100-3-7503(1)
MOTC-IOT-99-H2DA001-5-4

2009 年港灣海氣地象觀測資料年報
(海流部份) (上冊)

交通部運輸研究所

中華民國 100 年 3 月

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國家圖書館出版品預行編目資料

港灣海氣地象觀測資料年報. 二〇〇九年 / 蘇青和，廖慶堂，徐如娟編輯. --初版.-- 臺北市：交通部運輸研究所， 民 100.03

冊 ； 公分

含參考書目

ISBN 978-986-02-6918-5(全套：平裝)

1. 海洋動力學 2. 波動力學 3. 潮汐 4. 海流 5. 統計 6. 臺灣

351.94 100000171

2009 年港灣海氣地象觀測資料年報(海流部份) (上冊)

編　　輯：蘇青和、廖慶堂、徐如娟

出版機關：交通部運輸研究所

地　　址：10548 臺北市敦化北路 240 號

網　　址：www.ihmt.gov.tw (中文版＞中心出版品)

電　　話：(04)26587176

出版年月：中華民國 100 年 3 月

印 刷 者：九茹印刷有限公司

版(刷)次冊數：初版一刷 30 冊

本書同時登載於交通部運輸研究所網站

定　　價：全套八冊 1400 元

展 售 處：

交通部運輸研究所運輸資訊組•電話：(02)23496880

國家書店松江門市：10485 臺北市中山區松江路 209 號 F1•電話：(02)25180207

五南文化廣場：40042 臺中市中山路 6 號•電話：(04)22260330

GPN：1010000138　　ISBN：978-986-02-6918-5　(全套:平裝)

著作財產權人：中華民國(代表機關：交通部運輸研究所)

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交通部運輸研究所自行研究計畫出版品摘要表

出版品名稱：2009 年港灣海氣地象觀測資料年報(海流部份)(上冊)

國際標準書號(或叢刊號)	政府出版品統一編號	運輸研究所出版品編號	計畫編號
ISBN 978-986-02-6918-5 (全套:平裝)	1010000138	100-3-7503(1)	99-H2DA001-5-4

主辦單位：港灣技術研究中心
主管：邱永芳
編輯：蘇青和
助理編輯：廖慶堂、徐如娟
資料蒐集及處理：曾相茂、吳基、林柏青、林受勳、李俊穎、張富東
江金德、蔡金吉、李江澤
圖表繪製：廖慶堂、徐如娟
光碟製作：單誠基
行政助理：錢爾潔、張惠華、陳正義、馬維倫、張麗瓊
聯絡電話：04-26587175
傳真號碼：04-26571329

研究期間
自 99 年 01 月
至 99 年 12 月

關鍵詞：海氣地象資料、年報、2009 年、海流

摘要：

本報告包括基隆港、臺中港、高雄港、花蓮港、蘇澳港、臺北港、安平港及布袋港等8個港口。2009年海氣地象現場監測資料，項目包括風力(颱風)、波浪、潮汐及海流等資料。內容有觀測記錄表、月報表、原始資料、及各項重要統計量之統計表、統計圖。

出版日期	頁數	定價	本出版品取得方式
100 年 3 月	694	全套八冊 1400 元	凡屬機密性出版品均不對外公開。普通性出版品，公營、公益機關團體及學校可函洽本所免費贈閱；私人及私營機關團體可按定價價購。

機密等級：
□密 □機密 □極機密 □絕對機密
（解密條件：□ 年 月 日解密，□公布後解密，□附件抽存後解密，
□工作完成或會議終了時解密，□另行檢討後辦理解密）
■普通

備註：本研究之結論與建議不代表交通部之意見。

PUBLICATION ABSTRACTS OF RESEARCH PROJECTS
INSTITUTE OF TRANSPORTATION
MINISTRY OF TRANSPORTATION AND COMMUNICATIONS

TITLE: Oceanographical Observation Data --- Annual Report 2009 (Current) (Volume I)

ISBN (OR ISSN)	GOVERNMENT PUBLICATIONS NUMBER	IOT SERIAL NUMBER	PROJECT NUMBER
ISBN 978-986-02-6918-5 (pbk.)	1010000138	100-3-7503(1)	99-H2DA001-5-4

DIVISION: HARBOR & MARINE TECHNOLOGY CENTER
DIVISION DIRECTOR: Yung-Fang Chiu
PRINCIPAL INVESTIGATOR: Ching-Ho Su
ASSISTANT INVESTIGATOR: Ching-Tarng Liaw, Ju-Chung Hsu
PROJECT STAFF: Hsiang-Mao Tseng, Chi Wu, Po-Ching Lin, Chun-Ting Lee,Fu Ton Chang, Chiang-Tse Lee, Ching-Tarng Liaw, Ju-ChungHsu, Chin-Chi Tsai, Tommy Lin, Chen-Chi Shan, Wei-Lun Ma, Er-Jier Chien, Hui-Hua Chang, Cheng-Yi Chen and Lee-Chung Chang
PHONE: 886-4-26587175
FAX: 886-4-26571329

PROJECT PERIOD
FROM January 2010
TO December 2010

KEY WORDS: Oceanographical Data, Annual Report, 2009,Current

ABSTRACT:

This Annual report 2009 covers the observation data of winds, waves, tides and currents near the eight harbors (Keelung Harbor, Taichung Harbor, Kaohsiung Harbor, Hawlien Harbor, Suao Harbor, Taipei Harbor, Anping Harbor and Putai Harbor) in Taiwan. The contents in this Annual report include the records of observation, the monthly reports, the time series of data, statistical diagrams and tables.

DATE OF PUBLICATION	NUMBER OF PAGES	A SET OF EIGHT BOOKS	CLASSIFICATION
March 2011	694	1400	☐RESTRICTED ☐CONFIDENTIAL ☐SECRET ☐TOP SECRET ■UNCLASSIFIED

The views expressed in this publication are not necessarily those of the Ministry of Transportation and Communications.

2009 年港灣海氣地象觀測資料年報
(海流部份) (上冊)

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第一章 海流資料蒐集、處理及分析

1. 1 海流觀測位置、儀器安置及資料處理

本年度海流資料蒐集包括基隆港、臺中港、高雄港、花蓮港、蘇澳港、臺北港、安平港及布袋港等 8 個港口，各港其位置如附圖 1.1。

1.1.1 基隆港海流觀測位置、儀器安置及資料處理

海流之觀測本所港灣技術研究中心於 2001 年 6 月中旬安置挪威 NORTEK 公司之剖面海流與表面波浪(波高、週期及波向)即時傳送監測系統(AWCP，如照片 1.1)，安裝在基隆港東防波堤堤頭外水深 44 公尺處(稱測站 X0)，如附圖 1.2，2006 年 8 月因防波堤延伸工程，移至現址(稱測站 X1)。歷年觀測海流資料蒐集概況如表 1.1。

剖面海流流速的量測可以依照使用在不同水深即自固定在海床上之儀器位置到水表面來設定量測不同的間距，基隆港觀測站水深間距設定為 2 公尺；每小時連續量測 600 秒，再將總和平均代表其數樣每一間距層之海流流速、流向等資料，記錄在感應器內，並每隔 1 小時經由海底電纜傳訊回接收站之電腦中儲存。觀測海流資料記錄時間統計表如第二章附表 2.1.1，另針對 2009 年間有 4 個侵臺颱風期間，觀測海流資料記錄統計表如表 2.9.1。

1.1.2 臺北港海流觀測位置、儀器安置及資料處理

海流之觀測 1996 年 10 月至 2004 年 9 月舊觀測樁(稱測站 X0)，儀器為觀測樁水下 5 米之 Inter Ocean 公司 S-4ADW 潮波流儀。2004 年 12 月以後新觀測樁測站(稱測站 A)，如附圖 1.3，並改為安置 AWCP 即時傳送監測系統。歷年觀測海流資料蒐集概況如表 1.1。

S-4ADW 潮波流儀儀器收取每小時之前 10 分鐘之 V_E、V_N 速分量；取樣頻率為 2Hz，所得之數據加以平均得出該小時之平均流速、平均流向等資料。AWCP 潮位資料處理與基隆港測站相同。觀測海

流資料記錄時間統計表如第二章附表 2.2.1，另針對 2009 年間有 4 個侵臺颱風期間，觀測海流資料記錄統計表如表 2.9.2。

1.1.3 臺中港海流觀測位置、儀器安置及資料處理

海流之觀測臺中港務局北防波堤延長工程完成後，本中心隨即 2003 年 7 月安裝(挪威 NORTEK 公司)波高波向與剖面海流即時傳送監測系統，在臺中港北防波堤堤頭 150 公尺外，水深 25 公尺處(測站 X)，如附圖 1.4。歷年各站觀測海流資料蒐集概況如表 1.1。

臺中港觀測間距設定為 1 公尺，AWCP 資料處理與基隆港測站相同。觀測海流資料記錄時間統計表如第二章附表 2.3.1，另針對 2009 年間有 4 個侵臺颱風期間，觀測海流資料記錄統計表如表 2.9.3。

1.1.4 安平港海流觀測位置、儀器安置及資料處理

海流觀測較早於安平觀測樁(照片 1.3)水下 5 米處安裝 S- 4 ADW 潮波流儀，觀測樁測站位置(稱測站 X)，如附圖 1.5。因 S4 老舊目前已汰換，改為安置 AWCP 即時傳送監測系統。歷年各站觀測海流資料蒐集概況如表 1.1。

S-4 資料處理與臺北港測站相同，AWCP 資料處理與基隆港測站相同。觀測海流資料記錄時間統計表如第二章附表 2.4.1，另針對 2009 年間有 4 個侵臺颱風期間，觀測海流資料記錄統計表如表 2.9.4。

1.1.5 高雄港海流觀測位置、儀器安置及資料處理

本所港研中心 2000 年 12 月在高雄一港口與二港口間，亦即高雄市中區污水處理廠附近海域(稱測站 X0)，安裝 AWCP 剖面海流與表面波浪(波高、週期及波向)即時傳送監測系統，如圖 1.6。本站於 2005 年 8 月移至第二港口附近海(稱測站 X1)，水深約 18m，。歷年各站觀測海流資料蒐集概況如表 1.1。

高雄港觀測間距設定為 1 公尺，AWCP 資料處理與基隆港測站相同。觀測海流資料記錄時間統計表如第二章附表 2.5.1，另針對 2009 年間有 4 個侵臺颱風期間，觀測海流資料記錄統計表如表 2.9.5。

1.1.6 花蓮港海流觀測位置、儀器安置及資料處理

本所港灣技術研究中心在花蓮港東防波堤往南延長 380 公尺水深 34 公尺處(測站 X)，於 2000 年 9 月 8 日安裝挪威 NORTEK 公司剖面海流與表面波浪(波高、週期及波向)即時監測系統(AWCP)，如附圖 1.7。歷年觀測海流資料蒐集概況如表 1.1。

花蓮港觀測站水深 34 公尺，間距設定為 2 公尺，AWCP 資料處理與基隆港測站相同。觀測海流資料記錄時間統計表如第二章附表 2.6.1，另針對 2009 年間有 4 個侵臺颱風期間，觀測海流(測站 3)資料記錄統計表如表 2.9.6。

1.1.7 蘇澳港海流觀測位置、儀器安置及資料處理

本所港灣技術研究中心於 2002 年 7 月 19 日於蘇澳港港口外 700 公尺水深約 25 公尺處(測站 X)，安置挪威 NORTEK 公司剖面海流與表面波浪(波高、週期及波向)即時監測系統(AWCP)海流觀測站，如附圖 1.8。歷年觀測海流資料蒐集概況如表 1.1。

蘇澳港觀測站水深 25 公尺，間距設定為 1 公尺，AWCP 資料處理與基隆港測站相同。觀測海流資料記錄時間統計表如第二章附表 2.7.1，另針對 2009 年間有 4 個侵臺颱風期間，觀測海流資料記錄統計表如表 2.9.7。

1.1.8 布袋港海流觀測位置、儀器安置及資料處理

本所港灣技術研究中心於 2006 年 6 月 26 日於布袋港外附近(稱測站 X)水深約 7 公尺處設置挪威 NORTEK 公司之剖面海流與表面波浪即時傳送監測系統(簡稱 AWCP)之觀測站，如附圖 1.9。歷年之觀測海流資料蒐集概況如表 1.1。

AWCP 資料處理與基隆港測站相同。觀測海流資料記錄時間統計表如第二章附表 2.8.1，另針對 2009 年間有 6 個侵臺颱風期間，觀測海流資料記錄統計表如表 2.9.8。

1.2 海流資料分析

影響近岸域之流場，主要外力有潮汐作用、波力、風力等。潮汐可視為一種淺水長波，其引致之流場稱為潮流，潮流一般較為規則化。風剪力所引起之流場稱為風吹流，其影響之深度有限，而颱風產生之暴潮及流況則較複雜。另將波浪視為一外力，其引致之流場，稱為沿岸流，波場本身即為一複雜之現象，因此沿岸流較為複雜。影響流場之因素尚有流體剪應力、科氏力、地形邊界效應、底床摩擦力等項目，而流體密度變化、濃差效應，除某些特定地區造成較大影響，一般實際情形影響不大。

海流資料分析結果分別整理如下之月報表、統計表、資料圖及統計圖:

1. 流速及流向月報表：2009 年每月逐時流速及流向月報表，如第三章第 1 節～第 8 節，分別為基隆港、臺北港、臺中港、安平港、高雄港、花蓮港、蘇澳港及布袋港等 8 個港口，逐時流速及流向月報表，表中包括日平均流速、月平均流速，日最大流速(流向)，月最大流速(流向)。整點流速及流向表示該小時平均流速及流向(去向)。流向由正北為零度開始，順時針為正，表示海流之去向。
2. 海流逐時及 48 小時向量平均歷線圖：2009 年每月海流逐時及 48 小時向量平均歷線圖，如第四章第 1 節～第 8 節，分別為基隆港、臺北港、臺中港、安平港、高雄港、花蓮港、蘇澳港及布袋港等 8 個港口，每月海流之流矢、流速($cm/\sec$)，流向、東西分量流速(V_E)及南北分量流速 (V_N)逐時變化圖，其中流向指流之去向，流速以 cm/s 為單位。東西分量流速、東分量為正，西分量為負，南北分量流速，北分量為正，南分量為負。48 小時向量平均之定義為該時間往後取 48 小時之海流向量平均值，主要分析移除潮流後平均流之大小。
3. 海流重要統計量統計表及統計圖：2009 年及歷年流速及流向 8 個港口分月、分季、分年重要統計量，如第五章第 1 節～第 8 節表 5.1.1a, 表 5.1.1b….表 5.8.8。在流速及流向分佈分配方面，流速分

成 0,25,50,75 及大於 75cm/s 等 4 段，流向共分 4 個方位:N~E，E~S，S~W，W~N 等，重要統計量包括平均流速、最大流速(流向)等，如第 1 節～第 8 節表 6.1.1~表 6.8.1。流速分佈百分比之分月、分季、分年統計，如第 1 節～第 8 節表 6.1.2~表 6.8.2。在流速分佈中，流速分成 0,5, 10, 15,20,25, 30,35,40,45,50,50,60,70, 80, 90 cm/s 及大於 90cm/s 等 16 段。流向分佈百分比之分月、分季、分年統計，如第 1 節～第 8 節表 6.1.3~表 6.8.3。流向分 16 個方向(如 N，NNE，NE…等等)。2009 年及歷年分月、分季、分年之逐時流速平均值統計表，如第 1 節～第 8 節表 5.1.4~表 5.8.4。2009 年及歷年分月、分季、分年之逐時流速最大值統計表，如第 1 節～第 8 節表 5.1.5~表 5.8.5。2009 年及歷年分月、分季、分年之每日流速平均值統計表，如第 1 節～第 8 節表 5.1.4~表 5.8.4。2009 年及歷年分月、分季、分年之每日流速最大值統計表，如第 1 節～第 8 節表 5.1.7~表 5.8.7。統計圖則包括 8 個港口各測站於 2009 年及歷年分 12 個月、4 季、整年之流速、及流向等重要統計量統計圖。

4. 流速、流向聯合分佈統計表：2009 年及歷年分月、分季、分年 8 個港口之流速、流向聯合分佈百分比統計表，如第五章第 1 節～第 8 節。
5. 海流方塊圖：2009 年及歷年分月、分季、分年 8 個港口之海流方塊圖，如第七章第 1 節～第 8 節，包括 2009 年每月(季、年)海流方塊圖，歷年每月、每季與歷年 8 個港口之海流方塊圖。
6. 海流玫瑰圖：2009 年及歷年分月、分季、分年 8 個港口之海流玫瑰圖，如第八章第 1 節～第 8 節，包括 2009 年每月(季、年)海流玫瑰圖，歷年每月、每季與歷年 8 個港口之海流玫瑰圖。
7. 逐時海流向量點分佈圖及海流向量行進圖：2009 年 8 個港口每月逐時海流向量點分佈圖及海流向量行進圖，如第九章第 1 節～第 8 節，將各港觀測海流每月逐時之向量點置於 xy 平面，向量點至原點距離代表流速大小，原點至向量代表流向，其中流向指流之去向。則將各港觀測海流逐時累加之向量點置於 xy 平面，其連續逐時向量點連接之軌跡稱海流向量行進圖，假設觀測點附近海域

流場為均勻分佈，則此軌跡可代表該時段之海流移動方向及移動量大小。

8. 海流與風力及潮位相關分析: 2009 年每個月海流流速與流向相關圖、流速與風速相關圖、流速與潮位相關圖、流向與風向相關圖及流向與潮位相關圖等，如第十章第 1 節～第 8 節。
9. 潮流(潮位)調和分析: 選取 M2、S2、N2、P1、K1 及 O1 等 6 個分潮作調和分析，2009 年每個月 8 個港口各分潮之潮流及潮位重要調和常數統計量，如第十一章表 11.1~表 11.8。圖 11.1.1~圖 11.8.4 則為各港 6 個分潮流之潮流半長軸、長軸方向角、半短軸及潮位振幅等大小分佈圖。圖 11.1.5~圖 11.8.6 則為各港之代表性潮 6 個分潮流之調和常數譜圖及潮流橢圓圖(潮位變化圖)。
10. 颱風期間海流統計表及歷線圖：2009 年 8 個港口颱風期間最大流速統計表，如第十二章第 1 節。2009 年各港不同颱風海流歷線比較圖，如第十二章第 2 節。2009 年颱風期間 8 個港口海流歷線比較圖，如第十二章第 3 節。

表 1.1 台灣主要商港觀測海流資料蒐集概況表(統計時間至 2009 年 11 月)

序號	類別	港區名稱	測站	經度	緯度	觀測期間	觀測單位	備註(觀測儀器)	舊編號
1	海流	基隆港(KL)	X0	25°09'50"N	121°45'14" E	2001/06-2006/05	港研中心	AWCP	A
2	海流	基隆港(KL)	X1	25°44'58"N	121°44'58" E	2006/08-2009/11 (觀測中)	港研中心	AWCP	A
3	海流	台北港(TP)	X0	25°10'44"N	121°22'41" E	1996/10-2004/09	港研中心	S4 舊觀測樁	1
4	海流	台北港(TP)	X1	25°10'54"N	121°22'32" E	2004/12-2009/11(觀測中)	港研中心	S4 新觀測樁	A
5	海流	臺中港(TC)	**X0**	24°18'04"N	120°28'59" E	1999/10-2000/08	港研中心	AWCP	A
6	海流	臺中港(TC)	**X1**	24°17'54"N	120°29'39" E	2003/07-2009/11 (觀測中)	港研中心	AWCP	A
7	海流	安平港(AP)	X	22°56'37"N	120°08'10"E	1999/10-2009/11(觀測中)	港研中心	S4 觀測樁	1
8	海流	高雄港(KH)	X0	22°34'23"N	120°16'09" E	2000/12-2005/08	港研中心	AWCP	A
9	海流	高雄港(KH)	X1	22°32'20"N	120°17'31" E	2005/08-2009/11 (觀測中)	港研中心	AWCP	R
10	海流	花蓮港(HL)	**X**	23°57'59"N	121°37'33" E	2000/09-2009/11 (觀測中)	港研中心	AWCP	3
11	海流	蘇澳港(SA)	**X**	24°35'20"N	121°53'10" E	2002/08-2009/11(觀測中)	港研中心	AWCP	A
12	海流	布袋港(PT)	**X**	23°22'49"N	120°07'29" E	2006/06-2009/11(觀測中)	港研中心	AWCP	1

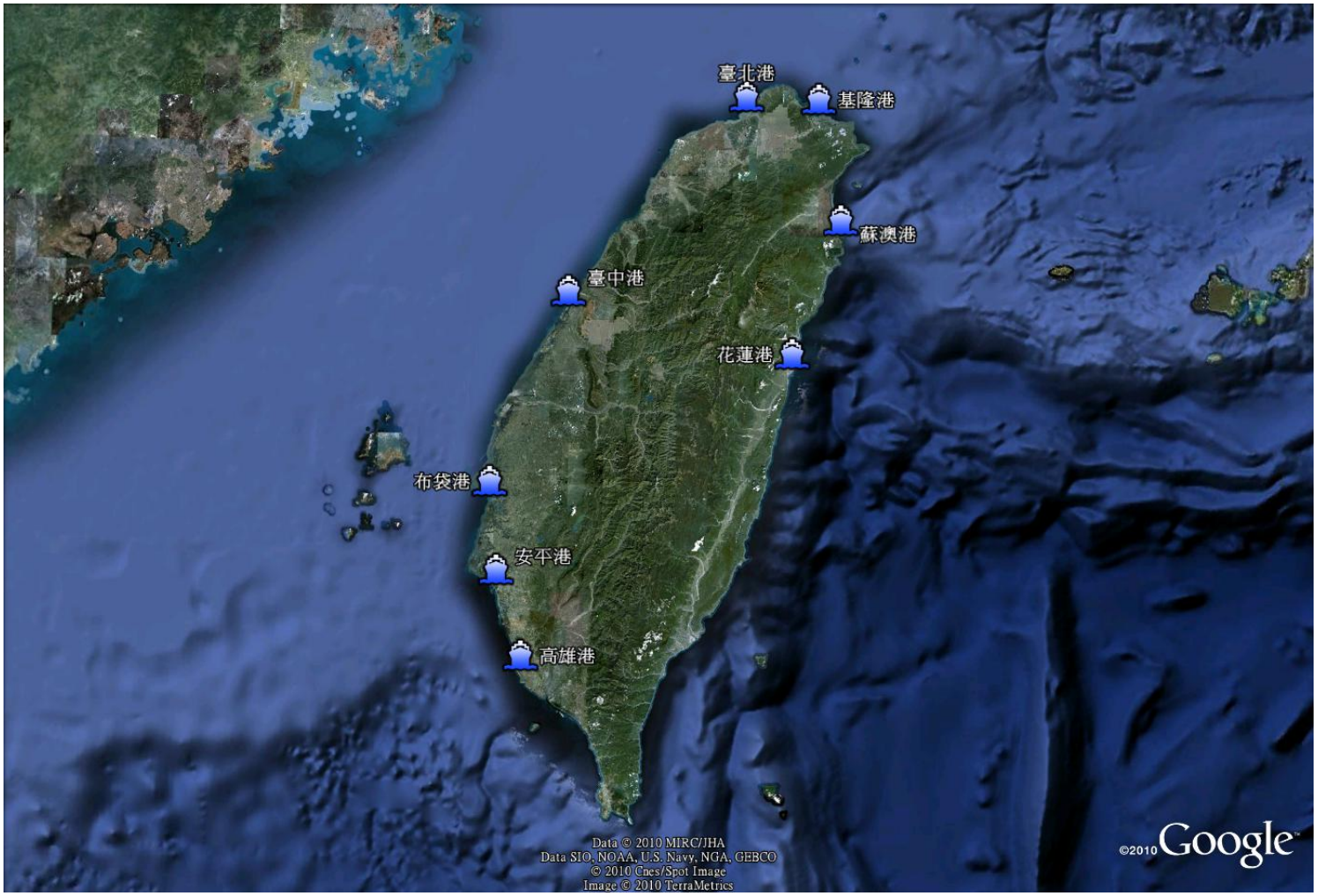


圖 1-1 臺灣 8 個主要商港位置圖



圖 1-2 基隆港海氣象觀測位置圖



圖 1-3 台北港海氣象觀測位置圖

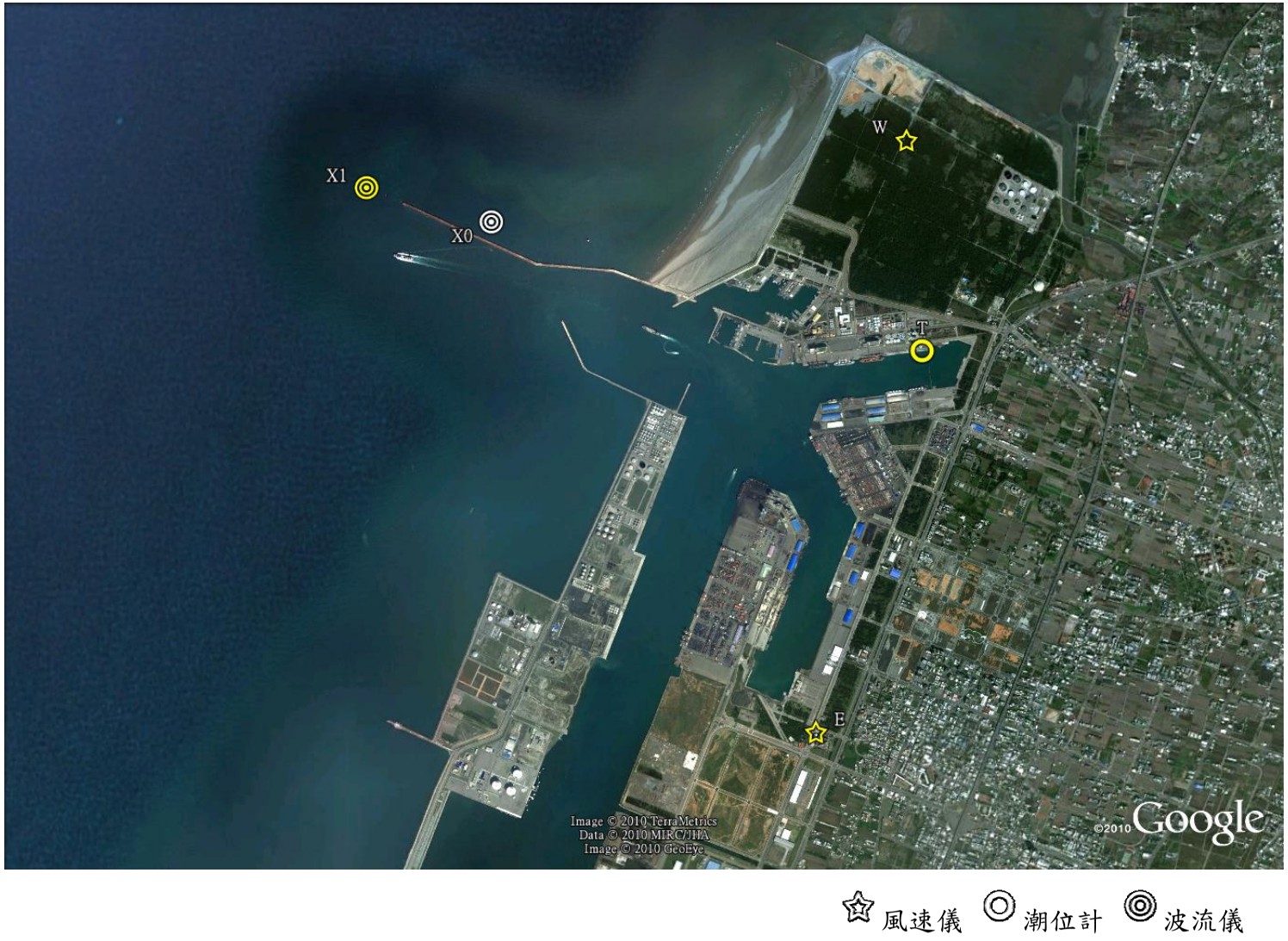


圖 1-4 台中港海氣象觀測位置圖



圖 1-5 安平港海氣象觀測位置圖



圖 1-6 高雄港海氣象觀測位置圖

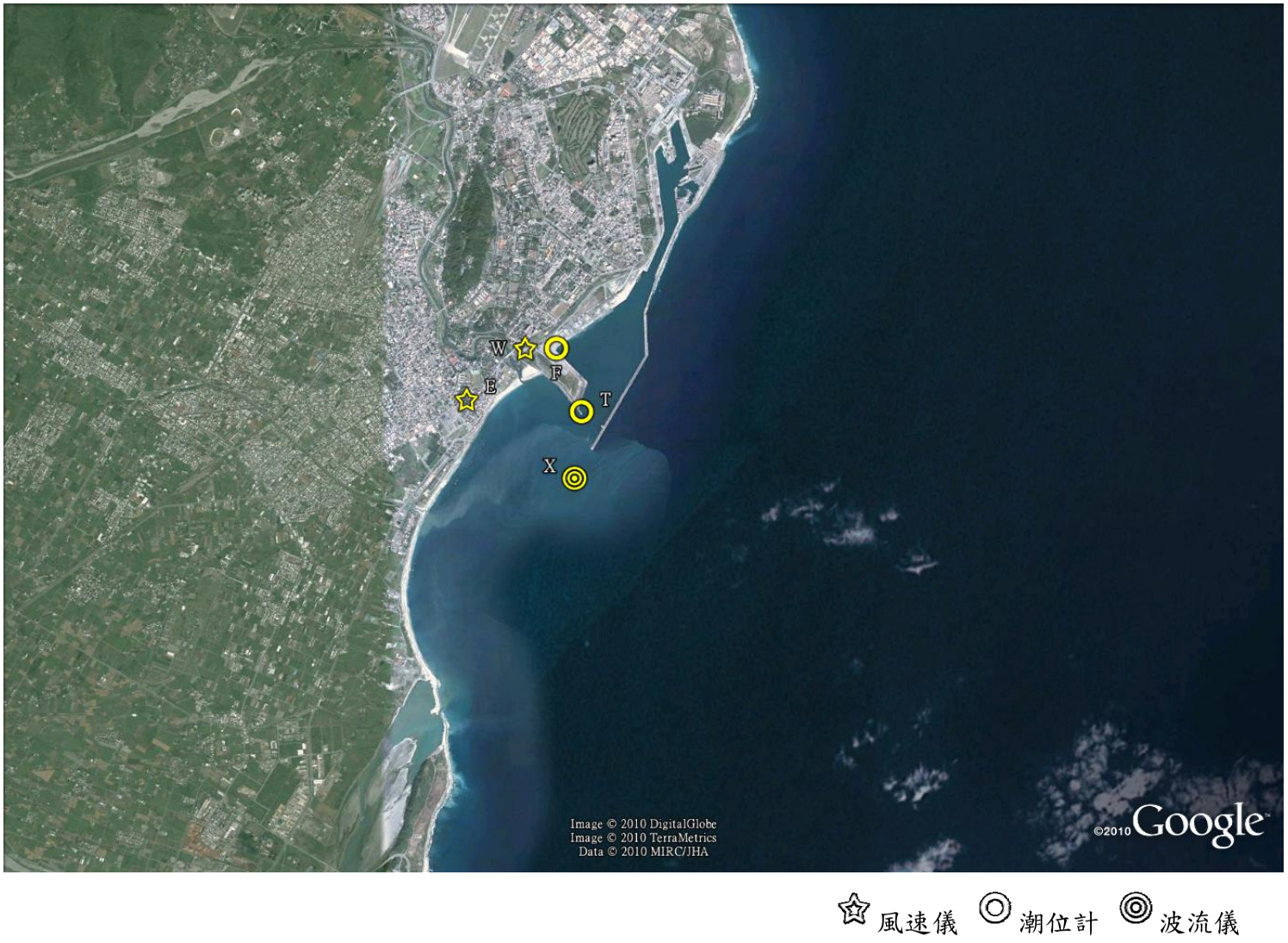


圖 1-7 花蓮港海氣象觀測位置圖



圖 1-8 蘇澳港海氣象觀測位置圖

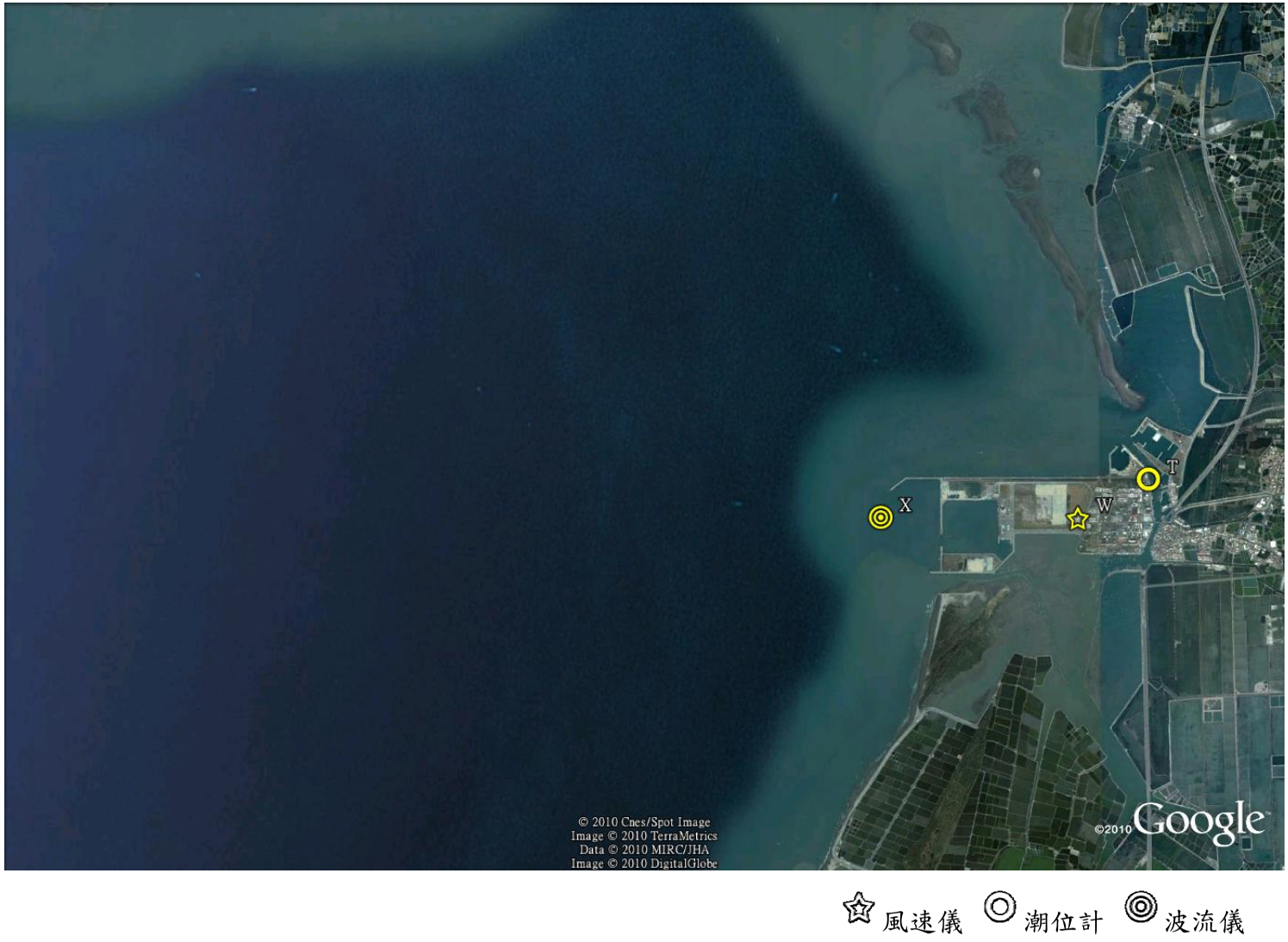
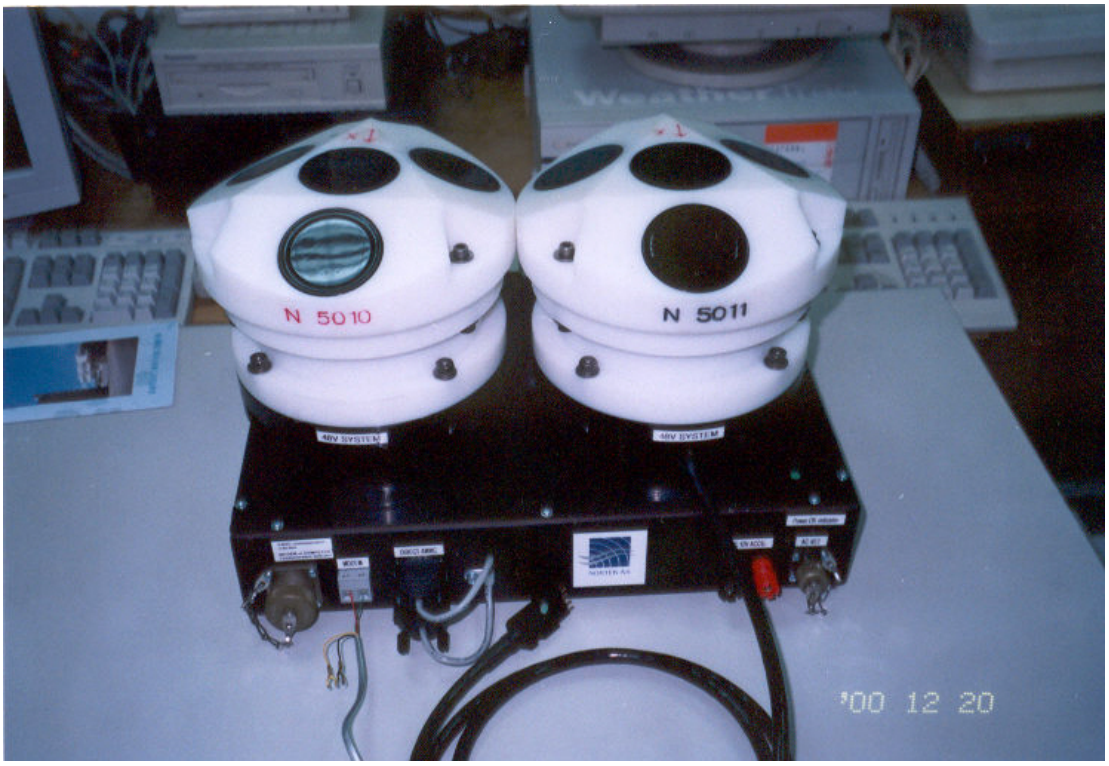


圖 1-9 布袋港海氣象觀測位置圖



照片 1.1　AWCP 外觀及介面箱正面配置圖



照片 1. 2　臺北港觀測樁



照片 1.3　安平港觀測樁

第二章 2009年各港海流資料記錄統計表

(基隆港)
(臺北港)
(臺中港)
(安平港)
(高雄港)
(花蓮港)
(蘇澳港)
(布袋港)

2.1　2009年基隆港海流資料記錄統計表

表2.1.1 基隆港2009年及歷年測站 X 現場觀測海流資料統計表

序號	測站	檔名	啓止時間 (年、月、日. 時:)	觀測天數	觀測筆數	缺失筆數	實際筆數	資料缺失日
1	X	C08CKLX0.1HA	2008/12.01/00:~2008/12.31/23:	31	744	0	744	
2	X	C091KLX0.1HA	2009/01.01/00:~2009/01.31/23:	31	744	0	744	
3	X	C092KLX0.1HA	2009/02.01/00:~2009/02.28/23:	28	672	0	672	
4	X	C093KLX0.1HA	2009/03.01/00:~2009/03.31/23:	31	744	0	744	
5	X	C094KLX0.1HA	2009/04.01/00:~2009/04.30/23:	30	720	1	719	14
6	X	C095KLX0.1HA	2009/05.01/00:~2009/05.30/23:	30	720	0	720	
7	X	C096KLX0.1HA	2009/06.01/00:~2009/06.30/23:	30	720	1	719	15
8	X	C097KLX0.1HA	2009/07.01/00:~2009/07.31/23:	31	744	0	744	
9	X	C098KLX0.1HA	2009/08.01/00:~2009/08.31/23:	31	744	29	715	1 ,10 ,13 -14 ,24
10	X	C099KLX0.1HA	2009/09.01/00:~2009/09.30/23:	30	720	13	707	1 ,21 ,25 ,30
11	X	C09AKLX0.1HA	2009/10.01/00:~2009/10.31/23:	31	744	5	739	1
12	X	C09BKLX0.1HA	2009/11.01/00:~2009/11.30/23:	30	720	1	719	10
13	X	C09WKLX0.1HY	2008/12.01/00:~2009/02.28/23:	90	2160	0	2160	
14	X	C09NKLX0.1HY	2009/03.01/00:~2009/05.30/23:	91	2184	1	2183	
15	X	C09SKLX0.1HY	2009/06.01/00:~2009/08.31/23:	92	2208	30	2178	
16	X	C09FKLX0.1HY	2009/09.01/00:~2009/11.30/23:	91	2184	19	2165	
17	X	C090KLX0.1HY	2008/12.01/00:~2009/11.30/23:	364	8736	50	8686	
18	X	C44CKLX0.1HY	2001/12.01/00:~2008/12.31/23:	241	5769	506	5263	
19	X	C441KLX0.1HY	2002/01.01/00:~2009/01.31/23:	217	5202	91	5111	
20	X	C442KLX0.1HY	2002/02.01/00:~2009/02.28/23:	177	4207	107	4100	
21	X	C443KLX0.1HY	2002/03.01/00:~2009/03.31/23:	187	4462	7	4455	
22	X	C444KLX0.1HY	2002/04.01/00:~2009/04.30/23:	230	5507	237	5270	
23	X	C445KLX0.1HY	2002/05.01/00:~2009/05.30/23:	217	5192	197	4995	
24	X	C446KLX0.1HY	2001/06.26/12:~2009/06.30/23:	211	5030	336	4694	
25	X	C447KLX0.1HY	2001/07.01/00:~2009/07.31/23:	247	5873	503	5370	
26	X	C448KLX0.1HY	2001/08.01/00:~2009/08.31/23:	260	6197	293	5904	
27	X	C449KLX0.1HY	2001/09.13/13:~2009/09.30/23:	198	4730	47	4683	
28	X	C44AKLX0.1HY	2001/10.01/00:~2009/10.31/23:	266	6364	156	6208	
29	X	C44BKLX0.1HY	2001/11.01/00:~2009/11.30/23:	270	6480	133	6347	
30	X	C44WKLX0.1HY	2001/12.01/00:~2009/02.28/23:	635	15178	704	14474	
31	X	C44NKLX0.1HY	2002/03.01/00:~2009/05.30/23:	634	15161	441	14720	
32	X	C44SKLX0.1HY	2001/06.26/12:~2009/08.31/23:	718	17100	1132	15968	
33	X	C44FKLX0.1HY	2001/09.13/13:~2009/11.30/23:	734	17574	336	17238	
34	X	C440KLX0.1HY	2001/06.26/12:~2009/11.30/23:	2721	65013	2613	62400	

2.2　2009年臺北港海流資料記錄統計表

表2.2.1 臺北港2009年及歷年測站 X 現場觀測海流資料統計表

序號	測站	檔名	啓止時間 (年、月、日. 時:)	觀測天數	觀測筆數	缺失筆數	實際筆數	資料缺失日
1	X	C08CTPX0.1HA	2008/12.01/00:~2008/12.31/23:	31	744	32	712	3 , 5 ,19 ,22 -23 ,26 ,30 -31
2	X	C091TPX0.1HA	2009/01.01/00:~2009/01.31/23:	31	744	59	685	2 - 4 , 6 -15 ,23 -25 ,27 -28 ,31
3	X	C092TPX0.1HA	2009/02.01/00:~2009/02.28/23:	28	672	24	648	1 - 2 , 5 - 6 , 8 ,13 ,16 -18 ,23 ,28
4	X	C093TPX0.1HA	2009/03.01/00:~2009/03.31/23:	31	744	2	742	9 ,17
5	X	C094TPX0.1HA	2009/04.01/00:~2009/04.17/23:	17	408	10	398	16 -17
6	X	C095TPX0.1HA	2009/05.07/06:~2009/05.31/23:	25	594	3	591	14 ,25 -26
7	X	C096TPX0.1HA	2009/06.01/00:~2009/06.30/23:	30	720	14	706	5 - 6 ,15
8	X	C097TPX0.1HA	2009/07.01/00:~2009/07.31/23:	31	744	2	742	7 ,29
9	X	C098TPX0.1HA	2009/08.01/00:~2009/08.18/15:	18	424	2	422	10
10	X	C099TPX0.1HA	2009/09.10/23:~2009/09.30/23:	21	481	2	479	17 ,19
11	X	C09ATPX0.1HA	2009/10.01/00:~2009/10.27/12:	27	637	2	635	19 ,23
12	X	C09BTPX0.1HA	2009/11.01/00:~2009/11.30/15:	30	712	7	705	6 ,16 ,18 ,28
13	X	C09WTPX0.1HY	2008/12.01/00:~2009/02.28/23:	90	2160	115	2045	
14	X	C09NTPX0.1HY	2009/03.01/00:~2009/05.31/23:	73	1746	15	1731	
15	X	C09STPX0.1HY	2009/06.01/00:~2009/08.18/15:	79	1888	18	1870	
16	X	C09FTPX0.1HY	2009/09.10/23:~2009/11.30/15:	78	1830	11	1819	
17	X	C090TPX0.1HY	2008/12.01/00:~2009/11.30/15:	320	7624	159	7465	
18	X	C44CTPX0.1HY	1996/12.15/13:~2008/12.31/23:	254	5997	644	5353	
19	X	C441TPX0.1HY	1997/01.01/00:~2009/01.31/23:	265	6234	116	6118	
20	X	C442TPX0.1HY	1997/02.01/00:~2009/02.28/23:	262	6202	290	5912	
21	X	C443TPX0.1HY	1997/03.01/00:~2009/03.31/23:	282	6712	1059	5653	
22	X	C444TPX0.1HY	1997/04.01/10:~2009/04.17/23:	296	7028	382	6646	
23	X	C445TPX0.1HY	1999/05.01/00:~2009/05.31/23:	268	6383	191	6192	
24	X	C446TPX0.1HY	2000/06.01/00:~2009/06.30/23:	260	6191	455	5736	
25	X	C447TPX0.1HY	1996/07.01/09:~2009/07.31/23:	308	7297	256	7041	
26	X	C448TPX0.1HY	1997/08.01/00:~2009/08.18/15:	346	8189	567	7622	
27	X	C449TPX0.1HY	1996/09.05/13:~2009/09.30/23:	327	7668	475	7193	
28	X	C44ATPX0.1HY	1996/10.01/01:~2009/10.27/12:	235	5533	421	5112	
29	X	C44BTPX0.1HY	1996/11.01/00:~2009/11.30/15:	228	5378	354	5024	
30	X	C44WTPX0.1HY	1996/12.15/13:~2009/02.28/23:	781	18433	1050	17383	
31	X	C44NTPX0.1HY	1997/03.01/00:~2009/05.31/23:	846	20123	1632	18491	
32	X	C44STPX0.1HY	1996/07.01/09:~2009/08.18/15:	914	21677	1278	20399	
33	X	C44FTPX0.1HY	1996/09.05/13:~2009/11.30/15:	789	18579	1250	17329	
34	X	C440TPX0.1HY	1996/07.01/09:~2009/11.30/15:	3330	78812	5210	73602	

2.3　2009年臺中港海流資料記錄統計表

表2.3.1 臺中港2009年及歷年測站 X 現場觀測海流資料統計表

序號	測站	檔名	啓止時間 (年、月、日. 時:)	觀測天數	觀測筆數	缺失筆數	實際筆數	資料缺失日
1	X		2008/12	0				
2	X		2009/01	0				
3	X		2009/02	0				
4	X		2009/03	0				
5	X		2009/04	0				
6	X		2009/05	0				
7	X	C096TCX0.1HA	2009/06.18/11:~2009/06.30/23:	13	301	15	286	20 -23
8	X	C097TCX0.1HA	2009/07.01/00:~2009/07.31/23:	31	744	1	743	3
9	X	C098TCX0.1HA	2009/08.01/00:~2009/08.31/23:	31	744	304	440	7 -19 ,22
10	X	C099TCX0.1HA	2009/09.01/00:~2009/09.30/23:	30	720	0	720	
11	X	C09ATCX0.1HA	2009/10.01/00:~2009/10.31/23:	31	744	0	744	
12	X	C09BTCX0.1HA	2009/11.01/00:~2009/11.30/23:	30	720	1	719	4
13	X		2009/冬	0				
14	X		2009/春	0				
15	X	C09STCX0.1HY	2009/06.18/11:~2009/08.31/23:	75	1789	320	1469	
16	X	C09FTCX0.1HY	2009/09.01/00:~2009/11.30/23:	91	2184	1	2183	
17	X	C090TCX0.1HY	2009/06.18/11:~2009/11.30/23:	166	3973	321	3652	
18	X	C44CTCX0.1HY	2003/12.01/00:~2006/12.31/23:	93	2232	6	2226	
19	X	C441TCX0.1HY	2004/01.01/00:~2008/01.31/23:	145	3469	46	3423	
20	X	C442TCX0.1HY	2004/02.01/00:~2008/02.29/18:	142	3403	389	3014	
21	X	C443TCX0.1HY	2004/03.01/00:~2008/03.31/23:	134	3202	50	3152	
22	X	C444TCX0.1HY	2004/04.01/00:~2008/04.30/23:	132	3151	9	3142	
23	X	C445TCX0.1HY	2004/05.01/00:~2008/05.31/23:	152	3648	283	3365	
24	X	C446TCX0.1HY	2004/06.01/00:~2009/06.30/23:	163	3901	69	3832	
25	X	C447TCX0.1HY	2004/07.01/00:~2009/07.31/23:	186	4463	250	4213	
26	X	C448TCX0.1HY	2003/08.01/00:~2009/08.31/23:	204	4873	414	4459	
27	X	C449TCX0.1HY	2003/09.01/00:~2009/09.30/23:	178	4267	189	4078	
28	X	C44ATCX0.1HY	2003/10.01/00:~2009/10.31/23:	155	3720	25	3695	
29	X	C44BTCX0.1HY	2003/11.01/00:~2009/11.30/23:	138	3305	48	3257	
30	X	C44WTCX0.1HY	2003/12.01/00:~2008/02.29/18:	380	9104	441	8663	
31	X	C44NTCX0.1HY	2004/03.01/00:~2008/05.31/23:	418	10001	342	9659	
32	X	C44STCX0.1HY	2003/08.01/00:~2009/08.31/23:	553	13237	733	12504	
33	X	C44FTCX0.1HY	2003/09.01/00:~2009/11.30/23:	471	11292	262	11030	
34	X	C440TCX0.1HY	2003/08.01/00:~2009/11.30/23:	1822	43634	1778	41856	

2.4　2009年安平港海流資料記錄統計表

表2.4.1 安平港2009年及歷年測站 X 現場觀測海流資料統計表

序號	測站	檔名	啓止時間 (年、月、日. 時:)	觀測天數	觀測筆數	缺失筆數	實際筆數	資料缺失日
1	X	C08CAPX0.1HA	2008/12.01/00:~2008/12.31/23:	31	744	14	730	2 , 4 , 8 ,10 ,15 -16 ,23 ,27 -29
2	X	C091APX0.1HA	2009/01.01/00:~2009/01.31/23:	31	744	54	690	4 - 7 , 9 ,14 -15 ,17 ,19 -21 ,24 ,27 -28
3	X	C092APX0.1HA	2009/02.01/00:~2009/02.26/02:	26	603	1	602	11
4	X	C093APX0.1HA	2009/03.06/20:~2009/03.31/23:	26	604	16	588	10 ,14 -16 ,18 -20 ,22 -23
5	X	C094APX0.1HA	2009/04.01/00:~2009/04.30/23:	30	720	1	719	30
6	X	C095APX0.1HA	2009/05.01/00:~2009/05.31/23:	31	744	56	688	8 -10 ,18 ,20
7	X	C096APX0.1HA	2009/06.01/00:~2009/06.30/23:	30	720	6	714	15 ,23 -24 ,28 ,30
8	X	C097APX0.1HA	2009/07.01/00:~2009/07.31/23:	31	744	17	727	7 , 9 ,11 ,14 -15 ,20 -21 ,25 -26 ,29 -31
9	X	C098APX0.1HA	2009/08.01/00:~2009/08.31/23:	31	744	7	737	1 , 3 - 6 , 9
10	X	C099APX0.1HA	2009/09.01/00:~2009/09.30/23:	30	720	1	719	22
11	X	C09AAPX0.1HA	2009/10.01/00:~2009/10.21/14:	21	495	70	425	13 -19 ,21
12	X	C09BAPX0.1HA	2009/11.18/16:~2009/11.30/15:	13	288	61	227	18 -30
13	X	C09WAPX0.1HY	2008/12.01/00:~2009/02.26/02:	88	2091	69	2022	
14	X	C09NAPX0.1HY	2009/03.06/20:~2009/05.31/23:	87	2068	73	1995	
15	X	C09SAPX0.1HY	2009/06.01/00:~2009/08.31/23:	92	2208	30	2178	
16	X	C09FAPX0.1HY	2009/09.01/00:~2009/11.30/15:	64	1503	132	1371	
17	X	C090APX0.1HY	2008/12.01/00:~2009/11.30/15:	331	7870	304	7566	
18	X	C44CAPX0.1HY	1999/12.01/00:~2008/12.31/23:	249	5903	356	5547	
19	X	C441APX0.1HY	2000/01.01/00:~2009/01.31/23:	290	6908	412	6496	
20	X	C442APX0.1HY	2000/02.01/00:~2009/02.26/02:	232	5495	62	5433	
21	X	C443APX0.1HY	2000/03.01/00:~2009/03.31/23:	207	4893	284	4609	
22	X	C444APX0.1HY	2000/04.01/00:~2009/04.30/23:	261	6212	615	5597	
23	X	C445APX0.1HY	2000/05.01/00:~2009/05.31/23:	260	6197	591	5606	
24	X	C446APX0.1HY	2000/06.01/00:~2009/06.30/23:	287	6816	505	6311	
25	X	C447APX0.1HY	2000/07.01/00:~2009/07.31/23:	218	5177	23	5154	
26	X	C448APX0.1HY	2000/08.01/20:~2009/08.31/23:	265	6308	877	5431	
27	X	C449APX0.1HY	2000/09.01/00:~2009/09.30/23:	240	5760	480	5280	
28	X	C44AAPX0.1HY	1999/10.01/00:~2009/10.21/14:	262	6262	1426	4836	
29	X	C44BAPX0.1HY	1999/11.02/01:~2009/11.30/15:	247	5849	260	5589	
30	X	C44WAPX0.1HY	1999/12.01/00:~2009/02.26/02:	771	18306	830	17476	
31	X	C44NAPX0.1HY	2000/03.01/00:~2009/05.31/23:	728	17302	1490	15812	
32	X	C44SAPX0.1HY	2000/06.01/00:~2009/08.31/23:	770	18301	1405	16896	
33	X	C44FAPX0.1HY	1999/10.01/00:~2009/11.30/15:	749	17871	2166	15705	
34	X	C440APX0.1HY	1999/10.01/00:~2009/11.30/15:	3018	71780	5891	65889	

2.5　2009年高雄港海流資料記錄統計表

表2.5.1 高雄港2009年及歷年測站 X 現場觀測海流資料統計表

序號	測站	檔名	啓止時間 (年、月、日. 時:)	觀測天數	觀測筆數	缺失筆數	實際筆數	資料缺失日
1	X	C08CKHX0.1HA	2008/12.01/00:~2008/12.31/23:	31	744	8	736	1 , 4 - 5 , 8
2	X	C091KHX0.1HA	2009/01.01/00:~2009/01.31/23:	31	744	109	635	5 , 9 ,11 ,16 -23
3	X	C092KHX0.1HA	2009/02.01/00:~2009/02.28/23:	28	672	19	653	2 , 5 ,10 ,13 ,16 -17 ,23 ,25
4	X	C093KHX0.1HA	2009/03.01/00:~2009/03.31/23:	31	744	207	537	4 ,12 ,18 -26
5	X	C094KHX0.1HA	2009/04.01/00:~2009/04.30/23:	30	720	3	717	13 ,21 ,23
6	X	C095KHX0.1HA	2009/05.01/00:~2009/05.31/23:	31	744	5	739	4 - 5 ,19
7	X	C096KHX0.1HA	2009/06.01/00:~2009/06.30/23:	30	720	3	717	15 ,21 -22
8	X	C097KHX0.1HA	2009/07.01/00:~2009/07.19/02:	19	435	0	435	
9	X	C098KHX0.1HA	2009/08.13/15:~2009/08.31/23:	19	441	0	441	
10	X	C099KHX0.1HA	2009/09.01/00:~2009/09.30/23:	30	720	115	605	14 -17 ,19 -24
11	X	C09AKHX0.1HA	2009/10.01/00:~2009/10.31/23:	31	744	10	734	10 ,20 ,24 -25 ,31
12	X	C09BKHX0.1HA	2009/11.01/00:~2009/11.30/23:	30	720	13	707	23 -25 ,27
13	X	C09WKHX0.1HY	2008/12.01/00:~2009/02.28/23:	90	2160	136	2024	
14	X	C09NKHX0.1HY	2009/03.01/00:~2009/05.31/23:	92	2208	215	1993	
15	X	C09SKHX0.1HY	2009/06.01/00:~2009/08.31/23:	68	1596	3	1593	
16	X	C09FKHX0.1HY	2009/09.01/00:~2009/11.30/23:	91	2184	138	2046	
17	X	C090KHX0.1HY	2008/12.01/00:~2009/11.30/23:	341	8148	492	7656	
18	X	C44CKHX0.1HY	2002/12.01/00:~2008/12.31/23:	135	3218	63	3155	
19	X	C441KHX0.1HY	2001/01.01/00:~2009/01.31/23:	154	3679	113	3566	
20	X	C442KHX0.1HY	2001/02.01/16:~2009/02.28/23:	165	3931	121	3810	
21	X	C443KHX0.1HY	2001/03.01/00:~2009/03.31/23:	201	4780	423	4357	
22	X	C444KHX0.1HY	2001/04.03/12:~2009/04.30/23:	208	4979	645	4334	
23	X	C445KHX0.1HY	2001/05.01/00:~2009/05.31/23:	204	4886	223	4663	
24	X	C446KHX0.1HY	2001/06.01/00:~2009/06.30/23:	244	5814	18	5796	
25	X	C447KHX0.1HY	2002/07.01/00:~2009/07.19/02:	236	5643	190	5453	
26	X	C448KHX0.1HY	2001/08.01/21:~2009/08.31/23:	246	5867	35	5832	
27	X	C449KHX0.1HY	2001/09.01/00:~2009/09.30/23:	266	6367	326	6041	
28	X	C44AKHX0.1HY	2001/10.01/00:~2009/10.31/23:	257	6155	57	6098	
29	X	C44BKHX0.1HY	2002/11.01/00:~2009/11.30/23:	235	5632	426	5206	
30	X	C44WKHX0.1HY	2001/01.01/00:~2009/02.28/23:	454	10828	297	10531	
31	X	C44NKHX0.1HY	2001/03.01/00:~2009/05.31/23:	613	14645	1291	13354	
32	X	C44SKHX0.1HY	2001/06.01/00:~2009/08.31/23:	726	17324	243	17081	
33	X	C44FKHX0.1HY	2001/09.01/00:~2009/11.30/23:	758	18154	809	17345	
34	X	C440KHX0.1HY	2001/01.01/00:~2009/11.30/23:	2550	60951	2640	58311	

2.6　2009年花蓮港海流資料記錄統計表

表2.6.1 花蓮港2009年及歷年測站 X 現場觀測海流資料統計表

序號	測站	檔名	啓止時間 (年、月、日. 時:)	觀測天數	觀測筆數	缺失筆數	實際筆數	資料缺失日
1	X	C08CHLX0.1HA	2008/12.01/00:~2008/12.31/23:	31	744	0	744	
2	X	C091HLX0.1HA	2009/01.01/00:~2009/01.31/23:	31	744	0	744	
3	X	C092HLX0.1HA	2009/02.01/00:~2009/02.28/23:	28	672	22	650	15
4	X	C093HLX0.1HA	2009/03.01/00:~2009/03.31/23:	31	744	1	743	16
5	X	C094HLX0.1HA	2009/04.01/00:~2009/04.30/23:	30	720	2	718	23
6	X	C095HLX0.1HA	2009/05.01/00:~2009/05.31/23:	31	744	0	744	
7	X	C096HLX0.1HA	2009/06.01/00:~2009/06.30/23:	30	720	4	716	15 ,21 ,24 ,30
8	X	C097HLX0.1HA	2009/07.01/00:~2009/07.31/23:	31	744	8	736	8 ,16 ,21
9	X	C098HLX0.1HA	2009/08.01/00:~2009/08.31/23:	31	744	2	742	10 ,14
10	X	C099HLX0.1HA	2009/09.01/00:~2009/09.30/23:	30	720	0	720	
11	X	C09AHLX0.1HA	2009/10.01/00:~2009/10.31/23:	31	744	2	742	20 ,23
12	X	C09BHLX0.1HA	2009/11.01/00:~2009/11.30/23:	30	720	0	720	
13	X	C09WHLX0.1HY	2008/12.01/00:~2009/02.28/23:	90	2160	22	2138	
14	X	C09NHLX0.1HY	2009/03.01/00:~2009/05.31/23:	92	2208	3	2205	
15	X	C09SHLX0.1HY	2009/06.01/00:~2009/08.31/23:	92	2208	14	2194	
16	X	C09FHLX0.1HY	2009/09.01/00:~2009/11.30/23:	91	2184	2	2182	
17	X	C090HLX0.1HY	2008/12.01/00:~2009/11.30/23:	365	8760	41	8719	
18	X	C44CHLX0.1HY	2000/12.01/00:~2008/12.31/23:	256	6133	99	6034	
19	X	C441HLX0.1HY	2001/01.03/10:~2009/01.31/23:	274	6555	283	6272	
20	X	C442HLX0.1HY	2001/02.01/00:~2009/02.28/23:	254	6096	295	5801	
21	X	C443HLX0.1HY	2001/03.01/00:~2009/03.31/23:	257	6168	460	5708	
22	X	C444HLX0.1HY	2001/04.01/00:~2009/04.30/23:	240	5758	223	5535	
23	X	C445HLX0.1HY	2001/05.01/00:~2009/05.31/23:	248	5951	850	5101	
24	X	C446HLX0.1HY	2001/06.01/00:~2009/06.30/23:	262	6255	566	5689	
25	X	C447HLX0.1HY	2003/07.01/00:~2009/07.31/23:	153	3650	62	3588	
26	X	C448HLX0.1HY	2001/08.03/16:~2009/08.31/23:	272	6486	124	6362	
27	X	C449HLX0.1HY	2000/09.08/11:~2009/09.30/23:	293	7021	527	6494	
28	X	C44AHLX0.1HY	2000/10.01/00:~2009/10.31/23:	310	7440	234	7206	
29	X	C44BHLX0.1HY	2000/11.01/00:~2009/11.30/23:	299	7145	104	7041	
30	X	C44WHLX0.1HY	2000/12.01/00:~2009/02.28/23:	784	18784	677	18107	
31	X	C44NHLX0.1HY	2001/03.01/00:~2009/05.31/23:	745	17877	1533	16344	
32	X	C44SHLX0.1HY	2001/06.01/00:~2009/08.31/23:	687	16391	752	15639	
33	X	C44FHLX0.1HY	2000/09.08/11:~2009/11.30/23:	902	21606	865	20741	
34	X	C440HLX0.1HY	2000/09.08/11:~2009/11.30/23:	3118	74658	3827	70831	

2.7　2009年蘇澳港海流資料記錄統計表

表2.7.1 蘇澳港2009年及歷年測站 X 現場觀測海流資料統計表

序號	測站	檔名	啓止時間 (年、月、日. 時:)	觀測天數	觀測筆數	缺失筆數	實際筆數	資料缺失日
1	X	C08CSAX0.1HA	2008/12.01/00:~2008/12.31/23:	31	744	2	742	9 ,22
2	X	C091SAX0.1HA	2009/01.01/00:~2009/01.31/23:	31	744	133	611	1 - 9 ,12
3	X	C092SAX0.1HA	2009/02.01/00:~2009/02.28/23:	28	672	79	593	7 -15 ,21
4	X	C093SAX0.1HA	2009/03.01/00:~2009/03.31/23:	31	744	3	741	11 ,18 ,30
5	X	C094SAX0.1HA	2009/04.01/00:~2009/04.30/23:	30	720	0	720	
6	X	C095SAX0.1HA	2009/05.01/00:~2009/05.31/23:	31	744	0	744	
7	X	C096SAX0.1HA	2009/06.01/00:~2009/06.19/00:	19	433	2	431	4 ,15
8	X	C097SAX0.1HA	2009/07.01/15:~2009/07.31/23:	31	729	7	722	2 - 3 , 7 , 9 ,20 ,30
9	X	C098SAX0.1HA	2009/08.01/00:~2009/08.31/23:	31	744	3	741	2 ,10
10	X	C099SAX0.1HA	2009/09.01/00:~2009/09.30/23:	30	720	1	719	23
11	X	C09ASAX0.1HA	2009/10.01/00:~2009/10.31/23:	31	744	12	732	14 -15
12	X	C09BSAX0.1HA	2009/11.01/00:~2009/11.30/23:	30	720	0	720	
13	X	C09WSAX0.1HY	2008/12.01/00:~2009/02.28/23:	90	2160	214	1946	
14	X	C09NSAX0.1HY	2009/03.01/00:~2009/05.31/23:	92	2208	3	2205	
15	X	C09SSAX0.1HY	2009/06.01/00:~2009/08.31/23:	81	1906	12	1894	
16	X	C09FSAX0.1HY	2009/09.01/00:~2009/11.30/23:	91	2184	13	2171	
17	X	C090SAX0.1HY	2008/12.01/00:~2009/11.30/23:	354	8458	242	8216	
18	X	C44CSAX0.1HY	2002/12.01/00:~2008/12.31/23:	217	5208	381	4827	
19	X	C441SAX0.1HY	2003/01.01/00:~2009/01.31/23:	203	4861	426	4435	
20	X	C442SAX0.1HY	2003/02.01/00:~2009/02.28/23:	177	4200	121	4079	
21	X	C443SAX0.1HY	2003/03.01/00:~2009/03.31/23:	217	5176	145	5031	
22	X	C444SAX0.1HY	2003/04.01/00:~2009/04.30/23:	210	5040	66	4974	
23	X	C445SAX0.1HY	2003/05.01/00:~2009/05.31/23:	190	4550	189	4361	
24	X	C446SAX0.1HY	2003/06.01/00:~2009/06.19/00:	180	4273	141	4132	
25	X	C447SAX0.1HY	2002/07.19/17:~2009/07.31/23:	230	5480	572	4908	
26	X	C448SAX0.1HY	2002/08.01/00:~2009/08.31/23:	248	5947	129	5818	
27	X	C449SAX0.1HY	2002/09.01/00:~2009/09.30/23:	222	5292	56	5236	
28	X	C44ASAX0.1HY	2002/10.01/00:~2009/10.31/23:	212	5052	440	4612	
29	X	C44BSAX0.1HY	2002/11.01/00:~2009/11.30/23:	240	5760	51	5709	
30	X	C44WSAX0.1HY	2002/12.01/00:~2009/02.28/23:	597	14269	928	13341	
31	X	C44NSAX0.1HY	2003/03.01/00:~2009/05.31/23:	617	14766	400	14366	
32	X	C44SSAX0.1HY	2002/07.19/17:~2009/08.31/23:	658	15700	842	14858	
33	X	C44FSAX0.1HY	2002/09.01/00:~2009/11.30/23:	674	16104	547	15557	
34	X	C440SAX0.1HY	2002/07.19/17:~2009/11.30/23:	2546	60839	2717	58122	

2.8　2009年布袋港海流資料記錄統計表

表2.8.1 布袋港2009年及歷年測站 X 現場觀測海流資料統計表

序號	測站	檔名	啓止時間 (年、月、日. 時:)	觀測天數	觀測筆數	缺失筆數	實際筆數	資料缺失日
1	X		2008/12	0				
2	X		2009/01	0				
3	X	C092PTX0.1HA	2009/02.26/10:~2009/02.28/23:	3	62	0	62	
4	X	C093PTX0.1HA	2009/03.01/00:~2009/03.31/23:	31	744	0	744	
5	X	C094PTX0.1HA	2009/04.01/00:~2009/04.30/23:	30	720	0	720	
6	X	C095PTX0.1HA	2009/05.01/00:~2009/05.31/23:	31	744	0	744	
7	X	C096PTX0.1HA	2009/06.01/00:~2009/06.30/23:	30	720	0	720	
8	X	C097PTX0.1HA	2009/07.01/00:~2009/07.21/10:	21	491	0	491	
9	X	C098PTX0.1HA	2009/08.25/17:~2009/08.31/23:	7	151	0	151	
10	X	C099PTX0.1HA	2009/09.01/00:~2009/09.30/23:	30	720	0	720	
11	X	C09APTX0.1HA	2009/10.01/00:~2009/10.31/23:	31	744	0	744	
12	X	C09BPTX0.1HA	2009/11.01/00:~2009/11.30/23:	30	720	0	720	
13	X	C09WPTX0.1HY	2009/02.26/10:~2009/02.28/23:	3	62	0	62	
14	X	C09NPTX0.1HY	2009/03.01/00:~2009/05.31/23:	92	2208	0	2208	
15	X	C09SPTX0.1HY	2009/06.01/00:~2009/08.31/23:	58	1362	0	1362	
16	X	C09FPTX0.1HY	2009/09.01/00:~2009/11.30/23:	91	2184	0	2184	
17	X	C090PTX0.1HY	2009/02.26/10:~2009/11.30/23:	244	5816	0	5816	
18	X	C44CPTX0.1HY	2006/12.01/00:~2006/12.20/09:	20	466	0	466	
19	X		歷年/01	0				
20	X	C442PTX0.1HY	2009/02.26/10:~2009/02.28/23:	3	62	0	62	
21	X	C443PTX0.1HY	2008/03.12/14:~2009/03.31/23:	51	1210	0	1210	
22	X	C444PTX0.1HY	2008/04.01/00:~2009/04.30/23:	60	1440	0	1440	
23	X	C445PTX0.1HY	2008/05.01/00:~2009/05.31/23:	62	1488	0	1488	
24	X	C446PTX0.1HY	2006/06.26/17:~2009/06.30/23:	70	1653	16	1637	
25	X	C447PTX0.1HY	2006/07.01/00:~2009/07.21/10:	107	2543	210	2333	
26	X	C448PTX0.1HY	2006/08.01/00:~2009/08.31/23:	66	1555	157	1398	
27	X	C449PTX0.1HY	2007/09.01/00:~2009/09.30/23:	60	1440	555	885	
28	X	C44APTX0.1HY	2006/10.16/12:~2009/10.31/23:	78	1860	0	1860	
29	X	C44BPTX0.1HY	2006/11.01/00:~2009/11.30/23:	90	2160	0	2160	
30	X	C44WPTX0.1HY	2006/12.01/00:~2009/02.28/23:	23	528	0	528	
31	X	C44NPTX0.1HY	2008/03.12/14:~2009/05.31/23:	173	4138	0	4138	
32	X	C44SPTX0.1HY	2006/06.26/17:~2009/08.31/23:	243	5751	383	5368	
33	X	C44FPTX0.1HY	2006/10.16/12:~2009/11.30/23:	228	5460	555	4905	
34	X	C440PTX0.1HY	2006/06.26/17:~2009/11.30/23:	667	15877	938	14939	

2.9　2009年 各港颱風期間海流資料記錄統計表

2009年侵臺颱風

1. 蓮花颱風
2. 莫拉菲颱風
3. 莫拉克颱風
4. 芭瑪颱風

表2.9.1 基隆港2009年測站 X 颱風期間海流資料統計表

序號	颱風名稱	檔名	年/月	啓止時間 (日. 時:~ 日. 時:)	觀測天數	觀測筆數	海流筆數	缺失筆數	資料缺失日
1	蓮花	P091KLX0.1HA	2009/06	19.00:00~22.23:00	4	96	96	0	
2	莫拉菲	P092KLX0.1HA	2009/07	16.00:00~18.23:00	3	72	72	0	
3	莫拉克	P093KLX0.1HA	2009/08	05.00:00~10.23:00	6	144	143	1	10
4	芭瑪	P094KLX0.1HA	2009/10	03.00:00~06.23:00	4	96	96	0	

表2.9.2 臺北港2009年測站 X 颱風期間海流資料統計表

序號	颱風名稱	檔名	年/月	啓止時間 (日. 時:~ 日. 時:)	觀測天數	觀測筆數	海流筆數	缺失筆數	資料缺失日
1	蓮花	P091TPX0.1HA	2009/06	19.00:00~22.23:00	4	96	96	0	
2	莫拉菲	P092TPX0.1HA	2009/07	16.00:00~18.23:00	3	72	72	0	
3	莫拉克	P093TPX0.1HA	2009/08	05.00:00~10.23:00	6	144	142	2	10
4	芭瑪	P094TPX0.1HA	2009/10	03.00:00~06.23:00	4	96	96	0	

表2.9.3 臺中港2009年測站 X 颱風期間海流資料統計表

序號	颱風名稱	檔名	年/月	啓止時間 (日. 時:~ 日. 時:)	觀測天數	觀測筆數	海流筆數	缺失筆數	資料缺失日
1	蓮花	P091TCX0.1HA	2009/06	19.00:00~22.23:00	4	96	83	13	20 ~ 22
2	莫拉菲	P092TCX0.1HA	2009/07	16.00:00~18.23:00	3	72	72	0	
3	莫拉克	P093TCX0.1HA	2009/08	05.00:00~10.23:00	6	144	57	87	7 ~ 10
4	芭瑪	P094TCX0.1HA	2009/10	03.00:00~06.23:00	4	96	96	0	

表2.9.4 安平港2009年測站 X 颱風期間海流資料統計表

序號	颱風名稱	檔名	年/月	啓止時間 (日. 時:~ 日. 時:)	觀測天數	觀測筆數	海流筆數	缺失筆數	資料缺失日
1	蓮花	P091APX0.1HA	2009/06	19.00:00~22.23:00	4	96	96	0	
2	莫拉菲	P092APX0.1HA	2009/07	16.00:00~18.23:00	3	72	72	0	
3	莫拉克	P093APX0.1HA	2009/08	05.00:00~10.23:00	6	144	140	4	5 ~ 6 , 9
4	芭瑪	P094APX0.1HA	2009/10	03.00:00~06.23:00	4	96	96	0	

表2.9.5 高雄港2009年測站 X 颱風期間海流資料統計表

序號	颱風名稱	檔名	年/月	啓止時間 (日. 時:~ 日. 時:)	觀測天數	觀測筆數	海流筆數	缺失筆數	資料缺失日
1	蓮花	P091KHX0.1HA	2009/06	19.00:00~22.23:00	4	96	94	2	21 ~ 22
2	莫拉菲	P092KHX0.1HA	2009/07	16.00:00~18.23:00	3	72	72	0	
3	莫拉克	P093KHX0.1HA	2009/08	05.00:00~10.23:00	6	144	0	144	5 ~ 10
4	芭瑪	P094KHX0.1HA	2009/10	03.00:00~06.23:00	4	96	96	0	

表2.9.6 花蓮港2009年測站 X 颱風期間海流資料統計表

序號	颱風名稱	檔名	年/月	啓止時間 (日. 時:~ 日. 時:)	觀測天數	觀測筆數	海流筆數	缺失筆數	資料缺失日
1	蓮花	P091HLX0.1HA	2009/06	19.00:00~22.23:00	4	96	95	1	21
2	莫拉菲	P092HLX0.1HA	2009/07	16.00:00~18.23:00	3	72	69	3	16
3	莫拉克	P093HLX0.1HA	2009/08	05.00:00~10.23:00	6	144	143	1	10
4	芭瑪	P094HLX0.1HA	2009/10	03.00:00~06.23:00	4	96	96	0	

表2.9.7 蘇澳港2009年測站 X 颱風期間海流資料統計表

序號	颱風名稱	檔名	年/月	啓止時間 (日. 時:~ 日. 時:)	觀測天數	觀測筆數	海流筆數	缺失筆數	資料缺失日
1	蓮花	P091SAX0.1HA	2009/06	19.00:00~22.23:00	4	96	1	95	19 ~ 22
2	莫拉菲	P092SAX0.1HA	2009/07	16.00:00~18.23:00	3	72	72	0	
3	莫拉克	P093SAX0.1HA	2009/08	05.00:00~10.23:00	6	144	142	2	10
4	芭瑪	P094SAX0.1HA	2009/10	03.00:00~06.23:00	4	96	96	0	

表2.9.8 布袋港2009年測站 X 颱風期間海流資料統計表

序號	颱風名稱	檔名	年/月	啓止時間 (日. 時:~ 日. 時:)	觀測天數	觀測筆數	海流筆數	缺失筆數	資料缺失日
1	蓮花	P091PTX0.1HA	2009/06	19.00:00~22.23:00	4	96	96	0	
2	莫拉菲	P092PTX0.1HA	2009/07	16.00:00~18.23:00	3	72	72	0	
3	莫拉克	P093PTX0.1HA	2009/08	05.00:00~10.23:00	6	144	0	144	5 ~ 10
4	芭瑪	P094PTX0.1HA	2009/10	03.00:00~06.23:00	4	96	96	0	

第三章 2009年各港逐時流速及流向月報表

(基隆港)
(臺北港)
(臺中港)
(安平港)
(高雄港)
(花蓮港)
(蘇澳港)
(布袋港)

3.1　2009年基隆港逐時流速及流向月報表

表3.1.1　2008 年 12 月 基隆港測站 X 觀測逐時流速及流向月報表

2008年**12**月 **1**日 **0**時 **0**分 ~ **2008**年**12**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
12/01	39/ENE	22/ENE	13/E	9/E	10/SW	13/WSW	18/SW	22/WSW	15/SW	7/NW	22/ENE	18/ENE	25/E	34/ENE	23/E	16/ENE	6/NNW	13/SW	13/SW	20/WSW	16/WSW	9/NNW	12/E	20/E	17	39/ENE
12/02	33/ENE	28/E	19/E	12/E	10/N	8/W	16/WSW	31/WSW	19/SW	13/WSW	12/E	10/ESE	8/NNE	10/NE	11/NE	12/NE	10/E	15/SW	23/WSW	22/SW	19/SW	18/W	9/NNW	19/E	16	33/ENE
12/03	14/ESE	21/ENE	21/ENE	11/ENE	15/ESE	12/SSE	11/SW	25/SW	19/SW	16/WSW	6/N	10/ESE	24/E	32/E	32/E	26/E	19/E	11/SE	13/SSW	21/SW	24/WSW	18/WSW	14/WNW	7/NW	18	32/E
12/04	14/E	17/ENE	19/E	10/NE	11/ESE	6/ESE	9/SSW	16/SW	21/SW	21/WSW	10/SW	11/NNW	13/ESE	19/E	36/E	35/E	21/SE	20/SE	16/SE	9/SE	11/SW	26/SW	28/SSW	13/W	17	36/E
12/05	8/NW	8/NE	16/E	17/ESE	18/E	18/ESE	8/NE	10/S	18/SSW	23/SW	32/SW	28/SW	17/WSW	6/N	13/ENE	11/E	11/ESE	16/E	15/SE	9/SE	8/S	14/SSW	15/SW	16/SW	15	32/SW
12/06	13/SW	9/NE	17/ENE	16/E	18/E	14/ESE	8/SE	9/SE	6/S	18/WSW	27/WSW	9/WSW	5/SSE	16/ENE	25/E	35/ESE	27/ESE	16/ENE	16/E	13/SSE	9/SSW	10/SSW	16/SSW	15/WSW	15	35/ESE
12/07	12/W	10/E	11/ENE	34/E	11/E	17/E	7/SE	8/NNW	8/WSW	7/SSW	10/SSW	10/SW	13/W	10/N	10/NE	8/ENE	10/ENE	13/NE	18/ESE	12/SSE	15/ESE	8/SSW	11/W	10/WSW	12	34/E
12/08	10/SW	10/WSW	9/WSW	10/SSE	10/ESE	18/E	15/NNE	32/ESE	18/E	10/ESE	10/WNW	30/WSW	15/W	15/W	18/NW	12/NW	12/NW	8/E	15/E	17/ESE	12/ESE	9/ENE	8/SSW	17/SW	14	32/ESE
12/09	22/WSW	23/W	15/WSW	11/WSW	13/N	15/E	18/E	30/E	15/ESE	12/E	11/SE	8/SSE	9/SW	17/SW	17/WSW	18/NW	12/N	16/E	26/E	37/E	25/E	17/ESE	10/SE	5/S	17	37/E
12/10	11/WSW	13/W	10/W	17/WSW	10/NNE	19/E	21/ESE	39/E	33/E	33/E	9/NE	7/SSE	14/SW	25/WSW	24/WSW	7/W	12/N	11/NNW	18/E	30/ENE	38/E	19/E	10/ENE	6/WNW	18	39/E
12/11	6/WNW	8/SSE	11/NE	9/WNW	8/WSW	11/W	9/NNW	22/E	44/E	49/ENE	22/E	9/ENE	18/SSE	8/SSW	14/SW	29/SW	23/WSW	16/WNW	23/ENE	12/ENE	24/E	38/E	24/ESE	10/ESE	19	49/ENE
12/12	11/SW	13/SW	9/S	9/W	8/W	18/W	6/NNW	16/ENE	32/E	40/E	42/ENE	28/ENE	16/E	6/SSW	14/WSW	28/SW	26/SW	15/WSW	11/NNW	20/E	25/E	22/E	30/ENE	15/ENE	19	42/ENE
12/13	10/E	9/WNW	22/WSW	23/SW	16/SW	14/NW	8/N	19/ESE	17/E	45/E	48/E	42/E	29/ENE	17/E	12/ESE	14/SSW	22/WSW	30/SSW	20/NW	15/N	21/ESE	33/E	50/E	41/E	24	50/E
12/14	25/E	16/ESE	9/WSW	31/SW	31/WSW	21/WSW	10/WSW	13/ENE	23/ENE	40/E	34/SE	23/NNE	31/SE	22/SE	15/SSE	16/SSW	19/SSW	21/SW	15/WSW	13/W	16/E	26/ENE	44/E	50/E	24	50/E
12/15	28/E	15/E	8/S	18/WSW	38/WSW	16/WSW	11/WSW	16/WNW	17/ENE	43/ENE	66/E	54/ENE	66/E	54/E	20/ESE	5/WSW	9/W	22/SW	14/SW	23/W	12/NW	23/ENE	31/ENE	49/E	27	66/E
12/16	58/E	19/ENE	18/E	9/NE	9/W	28/WSW	13/WSW	13/W	8/NW	12/ENE	19/E	28/E	35/E	38/E	33/ENE	10/NNE	6/WNW	13/W	13/WSW	23/WSW	9/NW	9/NNE	15/E	33/E	20	58/E
12/17	40/E	36/ENE	28/ENE	17/ENE	7/NNW	11/WNW	21/WSW	10/WNW	9/NW	12/NW	17/NW	14/ESE	15/ENE	34/E	27/E	29/E	11/NE	8/ENE	11/WNW	34/SW	13/WNW	5/N	13/NW	13/E	18	40/E
12/18	18/E	23/E	47/E	26/ENE	10/NNE	10/WNW	12/WSW	30/SW	17/WSW	10/WNW	10/NW	16/NE	21/E	23/E	43/E	37/E	24/ENE	24/ESE	7/SE	13/WSW	20/SW	22/W	9/WNW	10/NW	20	47/E
12/19	12/ENE	18/ENE	31/ENE	28/E	24/E	15/ENE	12/NNE	7/WNW	9/SW	16/WSW	9/W	14/WNW	16/ENE	18/E	29/ENE	37/E	39/E	15/ENE	11/NNE	9/N	9/WNW	13/WSW	8/W	9/WSW	17	39/E
12/20	11/WSW	16/ENE	11/ESE	22/E	25/E	19/E	10/N	9/NE	8/WSW	7/W	8/NW	14/W	16/SW	7/WSW	21/ENE	27/ENE	41/E	32/ENE	27/ESE	18/ESE	9/NW	11/SSW	11/WSW	13/WSW	17	41/E
12/21	15/WSW	11/WNW	15/WSW	9/SW	8/SSW	11/ENE	18/ENE	11/E	10/E	6/W	11/SW	19/SW	27/WSW	11/W	15/W	12/N	17/E	23/ESE	13/SE	16/ESE	21/SE	18/ESE	10/E	4/WSW	14	27/WSW
12/22	21/WSW	25/SW	9/WSW	6/WNW	22/NE	22/NE	28/NE	25/NE	31/NE	32/NE	21/ENE	14/ENE	9/ENE	13/SW	29/SW	11/W	9/NNE	24/NE	23/NE	22/NE	22/ENE	17/ENE	18/NE	9/ESE	19	32/NE
12/23	8/WSW	16/WSW	29/SSW	12/WSW	11/NW	13/ESE	20/E	24/E	28/E	36/E	26/ESE	12/SE	13/SW	22/SW	10/WSW	12/WSW	9/ENE	17/E	24/E	30/E	17/ESE	7/SW	7/NE	8/NNE	17	36/E
12/24	6/ESE	7/WSW	8/SSE	10/SW	10/WNW	15/ENE	12/SE	21/E	33/E	26/E	9/NNE	10/NW	7/W	10/WSW	13/W	13/SW	15/WNW	15/WSW	9/NNW	9/NNE	8/WSW	15/E	18/E	14/ESE	13	33/E
12/25	10/ENE	12/NW	15/WSW	22/SW	9/WNW	7/SW	8/W	10/ENE	12/E	20/ESE	19/ESE	16/E	16/SE	10/SSE	13/SW	18/SW	25/WSW	16/WSW	8/NNW	13/NE	15/ESE	15/ESE	13/ENE	23/E	14	25/WSW
12/26	17/E	8/SE	5/W	17/SW	26/SW	17/WSW	6/ENE	15/ESE	24/ENE	31/E	29/E	46/E	25/ESE	11/E	7/SW	16/SW	17/SSW	12/W	7/ENE	16/ENE	30/ENE	27/E	32/E	16/E	19	46/E
12/27	7/N	8/WNW	10/SW	8/WSW	11/SSW	8/SSW	5/WSW	15/E	16/ESE	28/E	15/NE	35/ENE	10/NE	8/ENE	8/S	7/S	11/WSW	20/SW	14/WNW	13/NW	18/ENE	22/E	26/ENE	10/NNE	14	35/ENE
12/28	13/E	22/E	4/W	15/SW	8/W	13/WSW	7/SE	17/WNW	8/E	17/E	18/ENE	22/E	17/NE	13/NE	12/N	9/SW	24/SW	17/WSW	19/W	21/W	7/NNE	18/E	21/E	28/E	15	28/E
12/29	25/E	12/NNE	6/ENE	11/SSE	12/WSW	17/SW	22/SW	13/W	10/N	23/ENE	31/E	48/E	45/E	29/E	22/E	19/SSE	17/SSW	24/SW	29/SW	15/SW	14/W	15/E	30/ENE	27/E	22	48/E
12/30	27/E	17/E	14/ENE	10/SSW	30/SW	36/WSW	17/WSW	9/NNW	13/ENE	18/E	22/E	50/E	68/ENE	33/E	21/E	11/E	7/SW	19/SW	11/SSW	6/NW	7/NNE	27/NE	27/ENE	43/E	23	68/ENE
12/31	52/E	35/E	18/ENE	6/S	26/WSW	48/WSW	22/W	14/SW	13/NW	16/E	17/E	49/E	49/E	52/E	25/E	9/E	8/ENE	13/SW	27/SW	16/SW	14/W	12/ENE	21/ENE	37/E	25	52/E
平均值	19	17	15	15	15	16	13	18	18	22	21	23	22	20	20	18	17	17	17	18	16	18	19	19		
最大值	58/E	36/ENE	47/E	34/E	38/WSW	48/WSW	28/NE	39/E	44/E	49/ENE	66/E	54/ENE	68/ENE	54/E	43/E	37/E	41/E	33/ENE	29/SW	37/E	38/E	38/E	50/E	50/E		

[註 **1**]: 月平均流速= **18cm/s**, 最大流速= **68m/s**, 其流向爲 **ENE**(去向)。流速分佈: <**25cm/s: 80.2%**,**25~50cm/s: 18.7%**,**50~70cm/s: 1.1%**,**75~100cm/s: .0%**,>**100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 33.1%**,**E~S: 23.1%**,**S~W: 30.4%**,**W~N: 13.4%**, 流向主軸: **E - W** (佔 **29.8%**), 主流向: **E** (佔 **23.9%**)。每小時記錄一次, 本月計 **744**筆 **(100%)**, 資料檔名:**C08CKLX0.1HA**。

港灣技術研究中心

表3.1.2　2009 年 01 月 基隆港測站 X 觀測逐時流速及流向月報表

2009年 **1**月 **1**日 **0**時 **0**分 ～ **2009**年 **1**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
01/01	46/ENE	29/E	16/ENE	6/N	9/W	11/WNW	19/SW	19/W	13/W	6/SSW	20/E	23/E	39/E	47/E	25/E	16/E	7/NNE	10/SSW	11/WSW	28/WSW	12/S	10/WSW	17/NE	11/NE	19	47/E
01/02	34/ENE	34/E	27/ENE	21/ENE	20/E	9/N	11/W	22/SW	12/WSW	12/W	12/NNE	14/E	24/E	54/E	52/E	18/ESE	18/ENE	7/NW	8/WSW	14/SW	13/WSW	15/SW	10/SW	8/E	20	55/E
01/03	15/NE	34/E	45/ENE	23/E	8/NW	8/E	8/NW	9/WSW	17/SW	12/W	11/W	13/ENE	19/ENE	27/E	56/E	32/E	9/N	10/ENE	8/ESE	8/NNW	8/WNW	9/WSW	14/SSW	9/N	17	56/E
01/04	7/NE	16/E	17/E	21/E	18/E	6/NE	9/NNW	12/WNW	15/W	19/WSW	13/W	7/WSW	15/E	18/E	30/E	42/E	30/E	17/E	18/ENE	8/ESE	8/WSW	13/WSW	17/SW	9/SSW	16	42/E
01/05	10/WNW	13/NE	14/NE	24/ENE	29/E	31/E	23/ENE	17/E	6/WNW	16/SW	13/W	12/WNW	18/WNW	6/SW	16/ENE	22/ENE	30/E	22/ESE	9/SE	8/WNW	10/WNW	11/WNW	15/WSW	8/WSW	16	31/E
01/06	9/NNW	9/WNW	12/NE	12/ENE	8/E	20/ESE	23/E	6/SE	11/ESE	8/ESE	8/N	7/S	6/SW	10/N	19/ENE	16/N	21/NNE	21/NE	28/ENE	13/ENE	15/ESE	18/SE	12/WSW	11/WSW	14	28/ENE
01/07	23/W	12/WSW	8/WNW	9/E	22/ENE	7/NNE	34/E	32/E	9/NNE	13/E	7/ENE	7/W	9/SW	14/WSW	6/E	7/NE	16/E	16/E	9/NNE	35/ENE	36/E	27/E	9/E	8/W	16	36/E
01/08	22/WSW	18/WSW	13/SW	9/SW	12/S	20/ESE	13/ENE	11/NE	44/E	29/E	25/ESE	17/SE	15/S	16/S	11/SSW	8/NNE	8/NNE	8/NE	15/NNW	24/E	30/E	19/E	24/ESE	12/ESE	18	44/E
01/09	15/WSW	32/WSW	13/W	7/SSW	7/SSW	10/S	20/E	47/E	45/E	53/ENE	31/E	5/SSW	7/NE	6/WSW	14/WSW	21/SW	11/WNW	8/N	14/N	31/ENE	28/E	20/ESE	23/E	16/ESE	20	53/ENE
01/10	10/W	10/WSW	11/WSW	18/W	16/WSW	19/WNW	16/E	29/ENE	48/E	68/E	51/E	21/ESE	17/ESE	8/SE	12/WSW	19/SW	18/SW	17/WSW	8/SW	16/NNE	9/WNW	26/ENE	33/E	17/ESE	22	68/E
01/11	10/SSE	9/SW	8/SW	13/WSW	11/SW	8/WSW	9/NNW	20/ESE	29/E	42/E	19/E	17/NE	31/E	6/NE	15/W	38/SW	17/W	6/W	15/WSW	16/E	48/ENE	29/E	54/E	34/E	21	54/E
01/12	8/ENE	9/NW	9/WSW	12/WSW	15/WSW	10/NW	12/WNW	12/NNE	19/ENE	51/E	43/E	53/E	53/E	19/ENE	12/E	8/SW	19/WSW	35/SW	13/W	18/WNW	14/NE	25/ENE	45/E	58/E	24	58/E
01/13	29/ESE	22/E	5/NW	25/S	14/SW	17/WSW	8/NW	6/NW	25/ENE	26/E	43/E	39/ENE	66/E	37/E	16/ESE	9/S	22/SW	24/SW	18/WSW	9/WSW	11/E	27/ENE	42/E	47/E	24	66/E
01/14	50/E	20/E	12/E	7/E	9/WSW	7/WSW	19/SW	15/W	8/ENE	21/ENE	36/E	44/NE	36/E	45/E	56/E	14/ESE	24/WSW	61/WSW	19/W	11/W	11/W	10/NNE	28/ENE	42/E	25	61/WSW
01/15	54/E	49/E	14/NE	12/E	10/WSW	50/SW	29/WSW	22/SW	9/W	6/ESE	22/ENE	36/E	59/E	62/E	38/E	10/ESE	8/NNE	8/WSW	22/SW	20/SW	14/SW	13/S	17/NE	19/E	25	62/E
01/16	39/E	54/E	27/ESE	11/E	6/WSW	9/WSW	13/WSW	21/SW	7/WSW	15/W	15/ENE	19/ENE	41/E	59/ENE	47/ENE	28/E	12/ENE	9/ENE	11/W	13/SW	9/WSW	7/SSW	8/WNW	8/ESE	20	59/ENE
01/17	19/E	28/ENE	32/E	21/E	9/NNE	7/NNW	8/ESE	11/WSW	12/WSW	16/WSW	7/SSW	10/W	17/E	24/ENE	37/E	29/E	12/NE	9/NW	9/SSW	12/WSW	16/SW	13/WNW	15/NW	10/NNW	16	37/E
01/18	13/NNW	14/E	20/ENE	24/E	20/E	12/NNE	13/WNW	11/SW	13/NW	14/WSW	14/SW	14/W	13/W	13/ENE	19/NE	30/ENE	26/E	14/NNE	13/NW	10/ENE	8/WNW	10/SW	14/SW	11/WSW	15	30/ENE
01/19	9/SW	8/WSW	8/E	15/E	16/E	29/E	14/E	10/NNE	10/WNW	8/SSW	18/SSW	27/SW	27/SW	14/SW	7/WNW	10/SE	15/SE	17/SE	15/ESE	14/ESE	15/SE	8/E	12/WSW	14/WSW	14	29/E
01/20	14/SW	19/SW	10/WSW	9/ESE	15/ENE	15/ENE	31/ENE	20/E	15/SSW	10/SW	8/WSW	8/SSW	14/SW	12/SW	12/WNW	8/S	18/E	20/ENE	24/E	16/E	14/E	18/ESE	12/ESE	7/WSW	15	31/ENE
01/21	9/WNW	8/WSW	14/WSW	11/WSW	10/SW	13/ESE	20/E	23/ESE	25/E	23/ESE	10/NNE	8/ESE	9/SE	10/SW	13/SSW	6/SW	6/WNW	15/WSW	7/NNW	12/NE	17/E	17/E	13/ENE	11/SE	13	25/E
01/22	10/SW	20/SW	17/SW	18/SW	17/SW	13/S	8/E	23/ESE	16/SE	23/ESE	22/ESE	15/ESE	8/ESE	13/SE	14/SW	19/SW	22/SW	11/W	9/W	8/E	16/E	18/E	15/ESE	15/ESE	15	23/ESE
01/23	11/E	9/SSW	14/WSW	16/WSW	20/SW	15/SW	5/NW	19/E	33/E	47/ENE	47/E	24/ENE	12/NE	7/SE	11/WSW	16/SW	23/SW	13/W	9/NW	12/NE	25/ENE	24/ENE	22/ENE	23/ESE	19	47/ENE
01/24	28/E	18/ESE	12/S	18/SW	31/SSW	12/WSW	8/N	21/E	24/E	54/E	47/E	31/E	10/ESE	13/ESE	8/SSE	12/SW	18/SSW	16/WSW	12/S	16/ESE	27/E	31/E	37/ESE	28/E	22	54/E
01/25	16/E	8/ESE	9/WSW	13/WSW	16/SW	6/ESE	8/WSW	19/ENE	32/ENE	33/E	38/E	22/ENE	13/NE	7/SSW	7/NNW	12/SW	10/SSW	11/SW	10/SSW	10/NNE	13/NE	10/NNW	33/ENE	19/E	16	38/E
01/26	18/ENE	22/ESE	12/NNE	13/WSW	12/SW	12/W	9/WSW	15/ENE	19/NE	33/E	36/E	41/E	19/ESE	14/ESE	16/SE	15/W	46/WSW	13/W	8/SSW	8/WNW	11/N	5/ESE	27/E	16/ESE	18	46/WSW
01/27	24/E	18/ESE	11/SSE	11/SW	28/SW	26/SW	16/SW	10/E	16/ESE	8/E	35/E	58/E	48/E	11/E	8/W	13/WSW	18/WSW	22/WSW	17/WSW	18/SSW	15/ESE	9/SE	28/E	31/E	21	58/E
01/28	16/ESE	13/ESE	11/ESE	9/NNW	10/WSW	15/W	14/WSW	12/W	10/SSE	19/E	35/E	38/E	25/ENE	31/E	12/SE	9/SSW	14/W	22/SW	19/WSW	13/WSW	7/N	17/ESE	20/E	25/E	17	38/E
01/29	34/E	20/E	14/E	8/SE	10/SW	27/SW	18/WSW	7/S	10/W	12/ENE	32/E	36/E	38/ESE	28/E	12/ESE	10/SSW	10/W	23/WSW	34/WSW	20/WSW	15/WSW	11/NNE	14/ESE	23/E	19	38/ESE
01/30	24/ENE	22/E	13/ENE	9/WSW	13/WSW	26/WSW	35/WSW	18/W	11/WSW	12/SW	16/NE	39/E	34/E	36/E	22/ESE	21/ESE	11/SE	15/SW	23/SW	23/SW	22/SW	9/SW	12/ESE	23/E	21	40/E
01/31	25/E	30/E	23/E	23/E	21/ESE	18/SSW	20/SW	20/SW	13/SW	10/S	8/ESE	18/ENE	33/E	35/E	33/ESE	15/SE	12/SE	12/SSW	20/WSW	17/SW	12/SW	12/W	8/ESE	27/E	19	35/E
平均值	21	20	15	14	15	16	16	18	19	23	24	23	25	23	21	17	17	17	15	16	17	16	21	19		
最大值	54/E	54/E	45/ENE	25/S	31/SSW	50/SW	35/WSW	47/E	48/E	68/E	51/E	58/E	66/E	62/E	56/E	42/E	46/WSW	61/WSW	34/WSW	35/ENE	48/ENE	31/E	54/E	58/E		

[註 1]: 月平均流速= **19cm/s**, 最大流速= **68m/s**, 其流向爲 **E** (去向)。流速分佈: **<25cm/s: 79.6%,25~50cm/s: 17.6%,50~70cm/s: 2.8%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 30.8%,E~S: 25.5%,S~W: 32.9%,W~N: 10.8%**, 流向主軸: **E - W** (佔 **31.6%**), 主流向: **E** (佔 **25.7%**)。每小時記錄一次, 本月計 **744**筆 **(100%)**, 資料檔名:**C091KLX0.1HA**。

港灣技術研究中心

表3.1.3　2009 年 02 月 基隆港測站 X 觀測逐時流速及流向月報表

2009年 **2**月 **1**日 **0**時 **0**分 ～ **2009**年 **2**月**28**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
02/01	27/E	33/ESE	35/ESE	19/ESE	8/S	13/SSW	17/SW	22/WSW	17/WSW	15/WSW	6/ESE	21/ENE	36/E	31/E	34/E	16/ENE	9/ESE	11/S	14/SW	18/SW	13/SW	15/WSW	11/WSW	7/W	19	36/E
02/02	20/ENE	29/E	31/E	21/ESE	9/WSW	9/NNW	11/SW	14/SW	14/SW	12/SW	10/S	9/S	18/ENE	18/ENE	29/E	20/E	15/ENE	6/S	10/S	11/W	21/SW	19/WSW	13/WSW	16/WSW	16	31/E
02/03	10/SE	11/E	31/E	29/E	20/E	14/ESE	10/WSW	14/WSW	16/SW	25/WSW	13/WSW	14/WNW	12/WSW	12/ENE	22/ENE	23/ESE	26/ENE	14/SW	11/SSW	10/SE	7/WSW	10/W	17/SW	11/W	16	31/E
02/04	8/SSW	11/SSE	13/SE	16/E	11/ENE	25/E	14/ENE	9/E	9/S	10/SSW	19/SW	22/SW	11/WSW	10/WSW	8/SE	16/E	7/N	18/E	23/E	11/E	8/E	8/S	8/SSW	10/WSW	13	25/E
02/05	7/SSW	8/N	8/ESE	15/ENE	18/ENE	26/E	29/ENE	12/NE	14/E	11/SE	9/SE	7/SW	12/SW	13/SW	10/SW	11/ENE	19/ESE	7/N	6/SSE	29/E	14/ESE	10/SSW	9/SSE	8/W	13	29/E
02/06	13/WSW	14/WSW	14/SSW	8/ENE	13/E	24/E	34/E	48/E	36/E	14/E	15/E	8/WSW	10/SW	13/SW	19/SSW	8/SW	8/NNW	13/ESE	9/NNE	21/E	17/E	10/ESE	17/E	14/ENE	17	48/E
02/07	9/N	9/WSW	12/WNW	12/NW	10/NNE	15/E	15/E	29/E	45/E	42/E	22/ENE	15/E	12/ESE	9/SE	12/WSW	16/SW	11/SSW	13/W	17/NNW	19/ENE	23/E	24/E	26/E	18/E	18	45/E
02/08	13/E	10/SSE	13/SW	8/WNW	9/NW	9/NE	20/NE	28/ENE	28/E	48/E	38/E	11/ENE	11/ENE	12/S	14/SW	22/WSW	10/WNW	12/SW	11/NNW	19/E	29/ENE	28/E	23/E	14/ESE	18	48/E
02/09	12/NW	7/W	12/ESE	10/NNW	8/W	9/N	11/NNE	13/E	34/E	41/E	30/NE	25/ENE	10/NNE	8/WNW	11/WSW	30/SW	14/W	7/W	6/SSW	10/ENE	23/ENE	39/E	17/ENE	29/E	17	42/E
02/10	13/N	8/NE	9/WSW	12/W	19/SW	14/SW	10/WSW	12/E	20/E	45/E	37/E	36/ENE	23/E	10/E	7/W	33/SW	28/SW	19/WSW	13/WNW	11/SSE	20/E	40/E	50/E	29/ENE	22	50/E
02/11	18/E	10/NE	8/WNW	7/S	10/WSW	9/WSW	9/WSW	10/WNW	21/ENE	38/E	59/E	33/NNE	43/E	24/ENE	11/N	18/SW	32/SW	34/WSW	20/W	15/WSW	7/ENE	19/E	37/E	35/ENE	22	59/E
02/12	30/ENE	16/ENE	10/E	7/WNW	12/SW	11/SW	9/WSW	9/W	10/NE	24/ENE	39/E	51/E	40/ENE	18/ENE	11/NE	7/SSW	13/SSW	12/SW	20/SW	10/SSW	9/WSW	16/E	32/ENE	41/E	19	51/E
02/13	44/E	25/ENE	13/NNE	8/N	16/WSW	36/WSW	26/WSW	18/WSW	10/NW	18/NE	22/E	29/E	40/ENE	26/ENE	15/NE	10/NNE	6/E	5/WSW	23/SW	16/W	13/WSW	16/W	16/ENE	30/ENE	20	44/E
02/14	39/E	31/E	14/E	14/E	7/WNW	6/WSW	17/WSW	27/WSW	23/SW	12/WNW	10/N	12/SE	21/E	30/ENE	30/E	26/ESE	14/SSE	11/WSW	15/SSW	21/WSW	21/SW	24/SW	14/WSW	14/ENE	19	39/E
02/15	14/ESE	21/E	21/ESE	11/SSE	12/ESE	15/SE	11/S	10/SW	20/SW	16/SW	11/SSW	12/E	11/E	24/E	36/ENE	17/E	6/ESE	9/WSW	13/WSW	19/WSW	18/SW	17/WSW	15/W	7/W	15	36/ENE
02/16	15/ENE	27/ENE	25/E	23/ESE	17/ESE	11/ESE	12/S	18/SW	25/SW	9/WNW	5/N	9/N	11/N	16/ENE	18/ESE	17/E	13/ENE	20/ESE	20/ESE	14/SSE	17/SSW	19/SW	29/SW	11/WSW	17	29/SW
02/17	9/WSW	9/SE	12/ENE	9/E	20/ESE	10/E	12/ENE	7/SSE	10/WSW	20/SW	25/SSW	10/W	8/W	17/E	15/ENE	19/E	19/E	16/E	11/ENE	12/SW	10/SW	20/WSW	20/SW	13/WSW	14	26/SSW
02/18	12/SW	6/S	9/NE	8/SW	16/NE	19/E	7/E	7/SW	10/WSW	10/SW	16/WSW	16/WSW	17/SSW	11/WSW	11/ESE	12/N	6/NE	23/ENE	19/E	8/WSW	9/WSW	8/WNW	10/W	9/WSW	12	23/ENE
02/19	10/SW	12/WSW	14/SW	8/SSW	11/E	9/WSW	9/SW	7/SSE	10/WSW	11/WSW	10/WSW	9/SSE	6/S	5/E	10/WSW	8/W	7/ENE	6/ENE	8/NE	6/NE	7/NE	6/NNE	6/NW	11/W	9	14/SW
02/20	7/W	18/WSW	23/WSW	11/SW	9/W	7/NW	5/WNW	8/SE	5/NNW	5/ENE	16/ESE	9/E	7/SE	9/SW	17/SW	21/SW	22/SSW	14/SW	7/WNW	6/SW	5/N	8/NW	7/NNW	9/NW	11	23/WSW
02/21	7/S	13/WSW	17/SW	17/SW	19/SW	9/SW	7/S	13/SSE	20/E	21/ESE	15/SE	6/SSE	13/SSW	13/SSW	17/SW	22/SW	10/SW	7/WSW	17/ESE	16/E	24/E	24/E	13/E	9/N	15	24/E
02/22	6/WSW	6/SSW	7/NNE	7/WNW	11/SW	9/WSW	8/E	15/ESE	26/E	26/E	16/E	14/NE	8/ENE	7/ENE	11/NW	12/W	22/W	24/WSW	8/NW	7/E	8/ESE	16/E	22/E	10/NNW	13	26/E
02/23	14/ESE	6/E	11/W	18/WSW	19/SW	13/WSW	12/SW	9/WSW	17/WSW	7/NNE	11/E	19/ENE	19/ESE	17/E	18/SSE	20/WSW	41/SSW	41/SW	18/SW	20/SW	9/E	15/ESE	20/ESE	18/ESE	17	41/SSW
02/24	10/E	9/ESE	8/SW	10/WSW	18/SW	17/WSW	8/N	8/ESE	19/E	37/E	50/ENE	32/E	13/E	6/ESE	10/WSW	33/SSW	18/WNW	6/WNW	16/WSW	8/ESE	28/ENE	36/E	48/E	28/E	20	50/ENE
02/25	13/E	10/E	5/W	9/WSW	28/SW	18/SW	12/SW	11/E	25/E	26/E	22/ENE	46/ENE	14/ENE	10/NNE	7/NNW	6/W	28/SW	19/W	14/W	12/NNW	10/ENE	20/E	30/E	40/E	18	46/ENE
02/26	26/ESE	11/SE	6/WSW	16/WSW	25/SW	36/SW	16/SW	12/WNW	7/ESE	21/E	25/E	42/E	20/ENE	8/NE	12/S	13/SSW	20/SW	19/SW	17/W	10/WNW	15/ENE	22/E	68/E	62/E	22	68/E
02/27	36/ESE	13/ESE	5/WNW	9/W	16/WSW	16/WSW	11/WSW	15/W	17/E	31/ENE	43/E	63/E	26/ESE	13/ESE	20/E	9/WNW	34/SW	18/W	14/W	14/NW	11/N	23/ESE	25/E	52/E	22	63/E
02/28	44/E	18/ESE	8/ESE	11/W	8/WSW	13/SSW	8/W	9/W	11/WNW	14/ESE	31/E	56/E	47/E	21/E	12/ENE	7/N	15/SW	35/SW	20/W	10/WSW	6/W	8/E	16/E	38/E	19	56/E
平均值	17	14	14	13	14	15	13	15	18	22	22	23	19	15	16	17	17	16	14	14	15	19	22	21		
最大值	44/E	33/ESE	35/ESE	29/E	28/SW	36/SW	34/E	48/E	45/E	48/E	59/E	63/E	47/E	32/E	36/ENE	33/SSW	41/SSW	41/SW	23/E	29/E	30/ENE	40/E	68/E	62/E		

[註 **1**]: 月平均流速= **17cm/s**, 最大流速= **68m/s**, 其流向爲 **E** (去向)。流速分佈: **<25cm/s: 83.0%,25~50cm/s: 15.9%,50~70cm/s: 1.0%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 28.6%,E~S: 23.7%,S~W: 37.1%,W~N: 10.7%**, 流向主軸: **E - W** (佔 **29.5%**), 主流向: **E** (佔 **23.2%**)。每小時記錄一次, 本月計 **672**筆 **(100%)**, 資料檔名:**C092KLX0.1HA**。

表3.1.4　2009 年 03 月 基隆港測站 X 觀測逐時流速及流向月報表

2009年 **3**月 **1**日 **0**時 **0**分 ～ **2009**年 **3**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
03/01	55/E	42/E	22/ESE	16/E	10/SSW	30/WSW	23/WSW	15/WSW	17/WSW	10/N	17/ESE	37/E	47/E	47/ENE	18/E	17/E	5/S	18/WSW	26/WSW	21/W	13/W	7/SW	22/E	24/E	23	55/E
03/02	43/E	56/E	27/ESE	15/SE	9/W	14/WSW	18/WSW	26/WSW	18/WSW	7/SSE	8/SE	24/E	32/E	41/E	18/ESE	8/NNE	9/WSW	7/W	18/WSW	21/W	20/W	17/WSW	12/W	19/ESE	20	56/E
03/03	17/ESE	29/ESE	39/E	40/E	22/ESE	11/S	16/W	29/SW	16/WSW	15/WSW	15/W	13/E	24/E	33/E	36/E	24/E	8/E	9/ESE	13/WSW	21/SW	20/WSW	11/NW	9/WNW	10/WNW	20	40/E
03/04	14/ESE	17/ESE	38/E	49/ENE	24/E	6/SSE	7/SSW	15/SW	14/SW	17/SW	17/W	16/WNW	15/E	15/SE	22/E	30/E	22/ESE	7/NW	7/S	7/W	10/W	22/WSW	20/WSW	10/W	18	49/ENE
03/05	10/WSW	6/NNE	15/E	17/ESE	28/E	20/ENE	7/SSE	12/S	14/SW	16/SW	23/SW	20/SW	13/WSW	8/WSW	13/E	14/E	12/ENE	24/E	11/NE	15/ESE	22/ESE	11/ENE	9/WNW	13/WSW	15	28/E
03/06	11/SW	21/WSW	12/WSW	7/WNW	7/SSE	10/SE	12/SE	17/E	20/ENE	13/ESE	12/ESE	15/S	15/SSW	26/SW	12/SW	17/WSW	5/S	12/E	14/ESE	18/E	20/E	21/E	11/E	6/W	14	26/SW
03/07	16/SW	19/SW	12/SW	7/N	15/E	15/E	29/E	47/E	35/ENE	5/NE	5/SE	9/SW	15/SW	19/SW	21/SSW	9/WSW	9/WNW	20/E	28/E	27/E	35/E	19/ESE	20/ESE	11/E	19	47/E
03/08	7/SW	12/WSW	10/WSW	9/S	14/ESE	23/E	27/E	51/E	35/ENE	36/ENE	10/NE	8/WSW	7/SW	12/SW	18/WSW	16/SW	15/SW	8/WSW	16/ESE	34/E	42/E	28/E	8/NE	8/SE	19	51/E
03/09	7/SSE	14/W	31/WSW	10/WNW	7/W	9/WNW	12/NE	18/NNE	31/E	47/E	24/E	6/NNE	14/ESE	6/SW	12/SW	27/W	14/WSW	8/WSW	16/E	28/E	44/E	47/E	16/NE	6/ENE	19	47/E
03/10	8/WSW	11/W	11/SW	13/SW	10/WSW	9/W	8/SE	19/ENE	35/E	60/E	31/ENE	14/ENE	6/NE	9/SW	11/SSW	22/SW	18/SW	14/SW	10/NNW	21/E	34/ENE	42/E	23/ENE	15/NE	19	60/E
03/11	7/ENE	8/WSW	9/WSW	15/SW	9/WSW	13/SW	8/WNW	14/E	31/E	53/E	47/ENE	20/ENE	8/N	8/WNW	13/W	30/WSW	32/WSW	19/SW	16/W	12/NW	20/E	35/E	50/E	25/ENE	21	53/E
03/12	10/NE	6/NNW	10/WSW	12/W	26/SW	15/W	7/NW	11/NNE	21/ESE	23/E	23/E	50/E	26/E	7/ENE	5/SE	7/W	19/WSW	23/WSW	20/WSW	11/NW	17/ENE	37/ENE	48/E	47/E	20	50/E
03/13	22/ENE	17/E	7/ESE	6/SW	16/WSW	23/WSW	19/WSW	11/WSW	19/E	25/E	42/E	34/ENE	31/ENE	14/ENE	8/ESE	4/ESE	9/WSW	26/SW	28/WSW	11/W	4/NNW	15/E	12/E	27/E	18	42/E
03/14	47/E	30/ENE	24/ENE	19/E	8/SSE	18/SW	32/SSW	19/WSW	17/SSE	21/ENE	42/ENE	45/E	33/E	15/ESE	16/E	14/SSE	20/SW	40/SW	22/WSW	13/NNW	8/WSW	11/ESE	40/E	58/ENE	26	58/ENE
03/15	49/E	51/E	22/ESE	6/SW	12/SW	14/SW	13/WSW	12/SW	13/WSW	11/E	16/E	37/ENE	51/ENE	32/ENE	12/NNE	9/NNE	7/SSW	10/SW	8/WSW	18/WSW	11/SW	6/N	14/E	25/E	19	51/E
03/16	36/ENE	37/E	27/E	9/NNW	7/NNE	9/SSE	12/WSW	34/WSW	12/SW	7/WNW	9/NE	12/NNE	11/ESE	9/ENE	22/E	11/E	10/SE	9/WNW	22/WSW	19/WSW	18/WSW	10/W	12/W	13/WSW	16	37/E
03/17	9/ESE	13/E	16/ENE	15/ENE	6/ESE	5/SSE	7/SSW	11/WSW	21/SW	22/SW	11/WSW	12/NW	8/SSE	11/E	22/E	16/E	11/SE	13/SE	9/E	4/NE	3/W	10/WSW	14/SSW	10/WSW	12	22/E
03/18	17/E	14/E	20/E	26/E	22/E	18/ESE	14/ESE	6/S	6/WSW	14/SW	16/SW	9/SW	5/SE	18/E	22/ENE	23/E	23/E	14/E	10/NNE	6/N	4/S	13/WSW	11/WSW	10/SW	14	26/E
03/19	10/SW	10/SE	17/E	17/E	30/E	28/E	17/ESE	6/NE	6/WSW	7/WSW	9/WSW	13/SSW	8/WNW	5/W	4/ENE	12/E	12/ENE	11/N	19/ESE	6/NNE	3/ESE	4/SE	20/SSW	27/SW	13	30/E
03/20	23/SW	19/WSW	6/WNW	6/WNW	8/SSW	15/E	12/E	12/E	13/E	10/E	3/N	4/S	7/WSW	14/SW	13/WSW	16/WSW	6/SW	7/S	10/SE	8/SE	9/E	10/E	7/S	6/W	10	23/SW
03/21	12/WSW	21/SW	15/SW	13/WSW	16/E	15/E	20/ESE	25/E	28/E	19/ESE	4/E	5/ESE	3/ESE	5/SW	12/S	14/NW	12/NW	14/ENE	22/E	19/E	18/E	17/ESE	15/E	5/ESE	15	28/E
03/22	8/W	6/WSW	12/SW	13/WSW	10/W	14/E	18/E	37/ENE	33/E	30/E	19/E	13/NW	9/WNW	7/WNW	9/WSW	12/SSW	12/W	17/WNW	7/N	18/E	28/E	27/E	22/ENE	13/E	16	37/ENE
03/23	5/NNE	16/WSW	25/SW	24/WSW	14/WSW	13/WSW	10/NE	12/E	14/E	23/E	18/ESE	12/SE	10/ESE	10/SSE	16/SW	21/SW	19/WSW	14/WSW	6/ESE	20/ENE	30/ENE	28/E	19/E	9/E	16	30/ENE
03/24	7/S	10/WSW	12/WSW	28/SSW	14/WSW	14/E	16/ENE	39/E	64/E	45/E	34/E	15/E	10/E	5/SSE	5/W	11/W	15/SW	9/SSW	9/ESE	24/E	23/E	35/E	35/ENE	13/ENE	21	64/E
03/25	18/E	23/E	8/W	19/WSW	21/WSW	7/NW	7/E	18/ENE	25/ENE	49/E	34/ENE	21/ENE	21/E	11/ESE	7/WSW	18/SW	15/SW	10/S	11/N	16/E	17/ENE	35/E	38/E	26/E	20	49/E
03/26	20/ESE	6/NE	10/W	27/SW	14/WSW	6/W	8/WSW	19/E	13/NNW	35/E	63/E	31/ENE	8/ENE	8/SSE	11/S	13/SW	9/WSW	9/WSW	7/N	19/E	21/E	20/ENE	6/NNW	32/E	17	63/E
03/27	10/NNE	7/NE	4/SSW	17/SW	16/W	18/WSW	11/WNW	13/NW	14/E	19/ENE	32/E	40/E	11/NNE	14/ENE	8/N	10/W	26/WSW	19/W	14/W	20/WSW	9/ENE	16/E	10/E	22/ENE	16	40/E
03/28	20/ESE	21/E	7/SE	13/SW	20/SW	32/WSW	30/SW	19/WSW	10/ESE	13/E	35/E	46/E	34/E	17/ESE	19/ESE	10/S	14/SW	30/SW	27/SW	7/NW	17/ESE	27/E	37/E	58/E	23	58/E
03/29	42/E	19/SSE	19/SSE	12/SSE	15/WSW	21/SW	31/SW	18/WSW	9/E	22/ENE	34/E	71/E	48/E	18/E	13/ESE	13/WSW	21/SW	19/SW	17/WSW	12/WNW	10/NNE	21/E	34/E	64/E	25	71/E
03/30	56/E	28/E	21/E	9/ESE	9/SSE	15/SW	23/SW	23/SW	15/WSW	10/ESE	18/E	38/E	58/E	38/E	27/E	8/ESE	17/WSW	34/SW	17/WSW	16/W	11/WNW	6/N	21/E	29/E	23	58/E
03/31	57/E	59/E	25/ESE	13/E	6/SSW	17/WSW	28/WSW	17/WSW	15/WSW	12/WNW	19/E	39/E	38/E	47/ENE	29/ENE	21/E	8/E	9/WNW	25/WSW	13/WSW	9/W	8/WNW	8/WNW	17/E	22	59/E
平均值	22	21	17	16	14	15	16	20	21	22	22	23	20	17	15	15	14	16	16	16	18	20	20	21		
最大值	57/E	59/E	39/E	49/ENE	30/E	32/WSW	32/SSW	51/E	64/E	60/E	63/E	71/E	58/E	48/ENE	37/E	30/E	32/WSW	40/SW	28/WSW	34/E	44/E	47/E	50/E	64/E		

[註 **1**]: 月平均流速= **18cm/s**, 最大流速= **71m/s**, 其流向爲 **E** (去向)。流速分佈: **<25cm/s: 79.3%,25~50cm/s: 18.4%,50~70cm/s: 2.3%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 27.8%,E~S: 28.8%,S~W: 34.5%,W~N: 8.9%**, 流向主軸: **E - W** (佔 **34.8%**), 主流向: **E** (佔 **28.9%**)。每小時記錄一次, 本月計 **744**筆 **(100%)**, 資料檔名:**C093KLX0.1HA**。

港灣技術研究中心

表3.1.5　2009 年 04 月 基隆港測站 X 觀測逐時流速及流向月報表

2009年 **4**月 **1**日 **0**時 **0**分 ～ **2009**年 **4**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
04/01	18/E	35/E	43/ENE	41/E	15/ESE	7/SW	9/W	27/SW	13/W	17/W	10/W	16/ENE	28/ENE	34/E	50/E	21/E	17/E	7/ENE	17/WSW	41/WSW	18/W	17/W	9/WNW	12/WNW	22	50/E
04/02	16/ENE	26/E	27/E	45/E	31/E	12/NE	7/ENE	7/WSW	12/WSW	13/SSW	12/W	11/W	13/E	21/E	20/E	20/E	11/SE	8/N	6/WSW	7/SSW	8/SW	9/WSW	8/WSW	8/SW	15	45/E
04/03	8/ESE	15/E	7/N	13/ENE	14/ENE	11/NE	7/N	10/ESE	8/ESE	9/SSE	7/W	15/W	9/W	12/WSW	9/ESE	9/E	15/E	19/E	10/N	9/NW	9/WNW	11/NW	15/WSW	14/WSW	11	19/E
04/04	4/WNW	10/WSW	17/W	7/N	11/ESE	18/E	22/ENE	19/SE	15/SE	11/E	7/N	6/WNW	7/W	17/WSW	21/SW	18/SW	5/E	17/ESE	16/E	18/ENE	14/E	10/ENE	6/NNE	9/W	13	22/ENE
04/05	29/WSW	20/WSW	11/WSW	10/NW	15/SW	12/E	18/ENE	29/E	15/SSE	15/SE	13/SE	8/ESE	5/SSW	19/WSW	22/SW	6/SW	6/W	17/E	29/ENE	37/ENE	34/E	15/E	12/E	5/S	17	37/ENE
04/06	15/SW	18/SW	20/SW	15/WSW	6/S	9/ENE	28/E	39/E	58/E	26/ESE	11/E	9/E	7/SW	31/SSW	17/W	15/WNW	8/N	14/ENE	30/ENE	26/E	58/E	38/ENE	19/E	5/E	22	59/E
04/07	14/W	24/WSW	23/WSW	18/W	18/W	24/ENE	24/E	27/E	56/E	33/E	30/E	22/E	6/NNW	15/WSW	30/WSW	24/WSW	9/SSW	10/WNW	24/E	25/ESE	47/E	53/E	32/E	8/E	25	56/E
04/08	3/W	9/WSW	13/WSW	20/W	8/W	12/NW	20/NE	23/ESE	31/E	48/E	51/E	30/E	12/E	6/W	19/SSW	18/SW	33/SSW	25/W	10/E	17/E	42/E	60/E	42/E	33/E	24	60/E
04/09	14/E	4/SE	10/SW	26/SW	30/WSW	23/W	15/W	30/ENE	36/E	41/E	62/ENE	37/E	19/E	7/WNW	23/WSW	14/W	17/W	20/W	15/N	24/E	36/E	54/E	61/E	25/E	27	62/ENE
04/10	12/E	9/WNW	14/W	14/SW	25/WSW	10/SSW	14/NNW	14/ENE	24/E	42/E	65/E	39/ENE	25/ENE	9/NNW	15/WSW	34/SW	32/WSW	29/WSW	22/WNW	15/NNE	26/E	38/E	61/E	38/ENE	26	65/E
04/11	27/E	16/E	5/SE	8/WNW	33/SW	18/WNW	3/WNW	7/N	29/E	32/E	48/E	48/ENE	28/E	15/ENE	3/E	14/W	26/WSW	43/SW	15/WSW	11/NW	24/E	25/E	42/E	49/E	24	49/E
04/12	46/E	12/NE	10/NE	4/NW	9/SSW	23/SW	13/W	4/N	11/N	21/E	37/E	41/E	45/E	32/E	19/ESE	7/SW	20/WSW	26/W	15/W	15/W	17/W	21/ENE	23/ESE	38/E	21	47/E
04/13	39/E	42/E	26/E	11/ENE	4/W	14/SW	30/SW	28/WSW	14/W	11/NNE	32/E	42/E	42/E	34/E	21/E	6/NNE	4/N	8/W	19/SW	24/W	19/WSW	16/W	25/E	18/E	22	42/E
04/14	3/WSW	5/ENE	3/SSE	9/E	9/N	5/NW	13/WSW	26/WSW	23/WSW	9/NW	13/N	*	30/E	47/ENE	35/E	16/E	12/SE	6/SW	22/SW	17/SW	21/SW	13/WSW	12/WSW	23/ENE	16	47/ENE
04/15	21/E	27/E	27/ENE	34/E	12/NE	3/NNW	5/WSW	12/WSW	26/SW	10/W	13/WNW	7/NNE	28/E	33/ENE	33/ENE	22/E	9/NNE	3/ENE	8/SW	14/SW	22/SW	8/SSW	6/WSW	17/ENE	17	34/E
04/16	23/E	27/E	37/E	39/E	29/E	23/ESE	4/S	6/SSW	9/SW	16/WSW	16/SW	13/WSW	6/E	15/E	24/ESE	32/E	28/E	22/E	6/ESE	12/SW	31/WSW	37/WSW	28/WSW	6/SSW	20	39/E
04/17	5/NNE	16/NE	22/ESE	17/SE	8/SE	7/SSE	4/SSE	7/SSE	7/SSE	8/WSW	11/SW	12/SW	15/W	15/NW	14/E	10/E	13/ENE	13/E	23/ESE	17/ESE	6/SE	6/S	9/SW	11/SW	12	23/ESE
04/18	4/WNW	23/ENE	23/E	33/E	42/E	43/ENE	21/ENE	8/NNE	5/W	6/WSW	12/WSW	21/SW	18/SW	8/NW	6/NNE	14/NE	8/ENE	10/E	7/NNE	7/E	5/ENE	3/NE	4/WSW	10/SW	14	43/ENE
04/19	8/SW	16/SSW	6/W	12/E	18/E	12/E	12/NNE	40/ESE	4/E	4/ENE	7/SE	5/SSE	4/SSW	6/SW	11/SSW	4/N	11/ENE	9/NE	6/E	12/ESE	4/ENE	8/NE	6/N	5/WNW	10	40/ESE
04/20	18/SW	14/SW	17/SW	16/WNW	7/W	9/SSE	14/ESE	9/ESE	11/ESE	19/SE	6/ENE	9/ESE	8/SW	14/WSW	23/SW	34/WSW	23/WSW	9/SW	7/ESE	9/SSE	8/ENE	10/NNE	10/ESE	6/ENE	13	34/WSW
04/21	5/S	9/WSW	20/SW	21/W	11/WNW	16/W	13/SSE	12/ESE	15/E	12/ENE	11/ENE	3/SW	8/SW	17/WSW	25/SW	8/W	9/N	13/N	7/E	5/SE	23/E	25/E	13/ENE	10/ENE	13	25/SW
04/22	4/E	14/W	22/SW	15/W	8/NNE	15/ENE	22/E	26/E	9/ENE	14/E	22/E	5/NNW	8/WNW	12/W	14/SW	14/SW	11/WNW	12/NNW	17/E	23/E	23/ENE	10/NNE	8/N	5/ESE	14	26/E
04/23	10/NE	7/SW	23/WSW	18/SW	17/WSW	6/W	20/E	8/ENE	6/NNE	12/ENE	16/NE	9/ENE	14/E	12/SSW	8/W	29/SW	13/WSW	7/WNW	12/E	15/NNE	13/NE	50/E	9/NE	7/NNE	14	50/E
04/24	9/NE	11/SSW	11/WSW	11/WSW	10/W	17/WNW	8/NNW	18/SE	12/NNW	13/NNE	32/ENE	27/E	15/ESE	6/S	8/W	7/W	46/SSW	39/SW	32/WSW	17/SW	9/ENE	10/ESE	6/SE	11/ENE	16	46/SSW
04/25	22/ESE	16/ENE	10/W	54/WSW	48/WSW	44/SW	45/WSW	29/WSW	12/S	18/ENE	13/E	23/E	26/E	14/SE	20/W	32/WSW	33/WSW	12/W	10/WSW	9/NNE	14/SE	12/ESE	13/E	5/NE	22	54/WSW
04/26	42/ESE	25/ESE	19/S	15/WNW	11/SSW	20/WSW	25/W	9/N	16/SE	29/ESE	15/ENE	17/E	7/NNW	5/NNW	7/WNW	12/SW	7/NW	8/NW	13/WNW	8/NW	22/E	32/E	16/ENE	36/ESE	17	42/ESE
04/27	38/E	15/E	12/E	6/NNE	10/WSW	26/SW	13/W	10/WNW	18/E	5/E	23/ENE	45/E	34/E	20/E	8/N	16/WNW	42/WSW	29/WSW	14/W	5/N	18/E	13/NNE	44/E	45/E	21	45/E
04/28	39/E	19/NE	11/ENE	7/NNE	6/SW	7/SW	6/SW	10/WSW	13/WNW	17/ENE	9/NNW	11/NNE	37/E	21/ENE	12/ENE	10/NNE	8/SSW	9/W	8/WNW	7/WSW	8/N	22/E	34/E	39/E	16	39/E
04/29	20/ESE	26/NE	12/NE	11/NE	8/ENE	8/S	12/SW	33/WSW	12/WSW	10/WSW	17/NE	16/ENE	34/E	34/E	24/E	10/ENE	8/NE	7/SW	9/ESE	8/S	13/SSW	9/N	14/ESE	26/E	16	34/E
04/30	38/E	53/E	32/ENE	15/ENE	6/NNE	7/ENE	12/WSW	28/SW	19/W	9/NW	8/SW	15/E	16/NE	9/NNE	28/E	15/E	7/NE	8/NE	7/SSE	20/SW	19/SW	20/WSW	8/WNW	10/E	17	54/E
平均值	19	19	18	19	16	15	15	19	18	18	21	19	19	18	19	16	16	15	15	16	20	22	20	18		
最大值	47/E	54/E	43/ENE	54/WSW	48/WSW	44/SW	45/WSW	40/ESE	58/E	48/E	65/E	48/ENE	46/E	47/ENE	50/E	34/SW	46/SSW	43/SW	32/WSW	41/WSW	59/E	60/E	61/E	49/E		

[註 **1**]: 月平均流速= **18cm/s**, 最大流速= **65m/s**, 其流向爲 **E** (去向)。流速分佈: <**25cm/s: 77.7%**,**25**~**50cm/s: 20.3%**,**50**~**70cm/s: 1.9%**,**75**~**100cm/s: .0%**,>**100cm/s: .0%**。

[註 **2**]: 流向分佈: **N**~**E: 34.2%**,**E**~**S: 21.7%**,**S**~**W: 31.0%**,**W**~**N: 13.1%**, 流向主軸**: E - W** (佔 **35.0%**), 主流向: **E** (佔 **26.0%**)。每小時記錄一次, 本月計 **719**筆 (**100%**), 資料檔名**:C094KLX0.1HA**。

表3.1.6　2009 年 05 月 基隆港測站 X 觀測逐時流速及流向月報表

2009年 **5**月 **1**日 **0**時 **0**分 ～ **2009**年 **5**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
05/01	19/E	26/E	27/ENE	35/E	18/E	10/E	13/ESE	6/SSE	11/SW	14/WSW	23/SW	11/WSW	5/N	13/ENE	8/N	15/NNE	31/E	23/ESE	8/NE	7/ENE	12/SSE	14/WSW	22/SW	16/WNW	16	35/E
05/02	14/WSW	10/ESE	17/E	22/E	34/E	33/E	28/ESE	15/SE	11/SE	5/SSE	20/SW	26/SW	15/WSW	7/ENE	16/E	15/ENE	9/N	14/NNE	11/ENE	8/NE	10/E	11/SW	16/SSW	21/WSW	16	34/E
05/03	21/WSW	28/WSW	15/SSW	16/NE	7/ENE	11/NE	18/NNE	17/ENE	21/SE	14/SSE	15/S	25/SW	25/SW	25/W	12/WNW	18/NE	16/E	11/E	19/ENE	24/E	16/SE	14/ESE	19/S	19/WSW	18	28/WSW
05/04	40/WSW	36/SW	24/W	8/W	11/E	14/E	31/E	40/ENE	16/ENE	15/ESE	21/SSE	15/S	9/SW	33/SW	25/WSW	13/W	9/NE	16/E	27/E	46/E	37/ENE	22/E	15/SE	15/SW	23	46/E
05/05	32/WSW	50/WSW	22/W	13/NW	17/ENE	22/E	31/E	43/E	32/E	33/ESE	22/ESE	13/S	9/WSW	17/SW	43/WSW	36/WSW	18/WNW	12/ESE	14/ENE	31/E	22/ENE	23/ENE	15/ENE	12/NE	24	50/WSW
05/06	8/WNW	25/WSW	15/W	21/WNW	12/WNW	6/ESE	15/ENE	30/E	27/ENE	22/NE	20/ENE	11/E	10/SW	14/WSW	12/SE	19/WNW	21/WNW	15/NW	16/E	27/ENE	35/ENE	44/E	31/ENE	23/ENE	20	44/E
05/07	8/ENE	16/SW	14/W	17/SW	21/W	13/WNW	10/ENE	27/E	23/ENE	28/NE	37/E	17/E	5/ENE	9/W	32/WSW	24/WSW	20/W	13/NNW	14/E	31/ESE	39/E	31/E	37/E	25/E	21	39/E
05/08	7/NE	9/W	17/WSW	30/WSW	8/WSW	18/WSW	14/N	7/E	24/ESE	41/E	38/E	31/E	13/ESE	5/NNE	27/WSW	31/SW	17/WNW	12/NW	7/N	17/E	24/ESE	35/E	5/E	9/NNE	19	41/E
05/09	13/NE	6/NNE	4/W	52/WSW	45/WSW	22/WSW	13/W	21/ENE	18/ESE	23/ESE	38/E	40/E	14/SE	4/NE	6/SSW	15/SW	39/SW	35/WSW	16/W	8/E	20/E	35/E	12/NE	13/NE	21	52/WSW
05/10	36/E	19/ENE	7/SSE	25/S	27/SW	43/SW	29/SW	22/WSW	7/S	7/NE	9/NE	26/ENE	26/ESE	19/ESE	14/SE	19/WSW	37/SW	41/WSW	46/SW	18/WSW	10/WSW	17/E	29/E	24/ENE	23	46/SW
05/11	43/E	33/ESE	34/ESE	17/SE	13/SSW	38/SW	26/W	10/WNW	10/W	12/SW	11/ENE	21/ENE	34/E	23/ESE	23/SE	13/SSW	22/WSW	5/SW	8/NNE	16/W	20/W	20/E	21/ESE	34/ESE	21	43/E
05/12	40/E	45/E	27/E	29/ESE	24/SE	13/SSW	29/SW	22/WSW	9/WSW	12/NNE	15/ESE	19/ENE	43/E	31/E	20/E	7/ESE	15/SW	37/SW	32/W	26/WNW	10/NW	7/NNW	13/E	31/E	23	45/E
05/13	24/ENE	38/E	37/E	26/E	11/SSE	22/SW	21/WSW	22/SW	15/WNW	23/W	14/WSW	16/NE	25/ENE	40/E	37/E	34/E	13/SSE	18/SW	49/SW	21/WSW	15/W	10/NW	8/NNE	23/ESE	23	49/SW
05/14	36/E	42/E	39/E	31/E	19/E	13/SE	12/SW	20/SW	25/SW	12/WNW	7/WNW	10/E	17/ENE	29/E	20/ENE	28/E	4/NNE	5/NE	12/SW	12/SW	15/WSW	11/SW	6/SSE	18/ENE	19	42/E
05/15	17/E	14/ENE	8/NE	7/N	9/NW	9/W	6/WSW	6/SSW	10/SW	22/WSW	12/WNW	8/WNW	13/NNE	15/NE	11/NNE	9/ENE	7/ENE	15/E	10/E	21/WSW	34/WSW	17/SW	14/WNW	7/NNW	13	34/WSW
05/16	2/SSE	13/E	18/E	25/E	11/N	7/NNE	5/WSW	4/NNE	9/SW	24/WSW	13/WSW	14/WSW	12/WNW	14/WSW	9/S	3/ESE	10/NE	7/E	5/NE	8/N	6/SW	29/SW	12/W	18/SW	12	29/SW
05/17	15/WSW	5/N	9/SSE	14/E	19/E	18/ENE	13/E	10/ESE	11/ESE	14/SW	17/SW	9/WSW	7/SSW	5/W	11/NE	16/E	22/E	19/ESE	10/E	8/NE	7/NW	18/WSW	27/SW	17/SW	13	27/SW
05/18	17/SW	9/N	10/N	12/SSE	11/ESE	14/ENE	22/ENE	10/NE	8/NE	4/SE	4/SSW	12/WSW	21/SW	10/WSW	5/W	6/SE	16/E	21/E	24/E	21/E	13/E	9/ENE	3/E	5/W	12	24/E
05/19	8/SW	10/WSW	13/WNW	17/ENE	23/E	25/E	7/NW	10/NNE	13/NE	4/WNW	3/ENE	6/WSW	3/N	7/W	9/ESE	15/NW	11/E	22/E	26/E	25/ENE	23/ENE	31/E	25/ESE	21/ESE	15	31/E
05/20	6/N	5/W	10/SW	7/WSW	12/ESE	15/E	24/E	40/E	31/ENE	12/ENE	12/ESE	11/SSW	16/WSW	14/WSW	16/WSW	5/SW	10/NW	27/E	20/E	32/E	30/ENE	32/E	5/SW	11/WSW	17	40/E
05/21	24/WSW	32/SW	16/SSW	7/WNW	8/NNE	9/NE	22/ESE	27/E	13/ENE	13/NE	8/NE	9/E	4/ENE	26/WSW	16/WSW	6/NW	5/S	16/ENE	15/E	25/E	28/ENE	34/ENE	6/NNE	11/SSW	16	34/ENE
05/22	16/SW	38/WSW	25/WSW	19/W	13/W	13/W	12/E	13/E	25/E	28/E	20/ENE	5/NE	21/WSW	37/WSW	28/W	20/W	7/WNW	17/WNW	19/NE	11/E	18/E	23/E	49/E	33/ESE	21	49/E
05/23	13/S	17/WSW	46/W	17/W	12/N	14/NW	10/ENE	26/ESE	37/E	7/NNE	9/N	5/NE	4/SSW	14/W	31/W	14/NNW	15/W	22/W	19/W	14/E	28/E	30/E	7/NE	11/E	18	46/W
05/24	14/NE	6/W	23/WSW	32/W	12/W	24/WSW	26/W	8/ESE	18/ENE	23/E	5/NNE	20/ESE	11/E	7/SW	51/SW	27/W	20/W	12/WNW	20/WNW	17/E	18/E	31/ESE	44/E	22/ENE	21	51/SW
05/25	20/ENE	13/N	12/W	27/WSW	27/W	13/NNW	16/W	13/NW	17/ESE	20/E	22/E	9/NNE	21/E	7/NNW	10/WNW	7/N	6/WNW	12/NW	10/NW	19/WSW	15/E	23/E	8/ENE	12/ENE	15	27/W
05/26	15/NE	6/NE	5/S	24/WSW	33/SW	11/W	16/W	15/WNW	15/NW	10/E	15/NE	26/NE	18/ENE	12/NNW	10/NW	6/SSW	19/W	7/NW	37/SW	29/WSW	15/W	3/SE	14/E	10/ESE	15	37/SW
05/27	16/E	37/E	8/ENE	16/E	6/S	15/SSW	24/SW	36/WSW	17/SW	22/E	27/E	40/E	40/E	21/ENE	16/ENE	13/ENE	6/WSW	10/WNW	23/WNW	10/NNW	18/WSW	11/NNE	19/E	20/E	20	40/E
05/28	27/E	33/E	20/E	6/NE	4/NNW	11/WSW	13/WSW	29/SW	23/W	19/WNW	20/E	20/ESE	41/E	40/E	20/ENE	8/NNE	6/ENE	6/NNW	11/SW	23/WSW	12/W	8/N	9/W	15/ENE	18	41/E
05/29	18/E	7/NE	13/E	7/ENE	5/NNW	10/SW	14/WSW	29/SW	23/WSW	15/W	14/WNW	7/NE	20/E	30/E	35/E	32/ESE	23/ESE	14/S	10/WSW	15/WSW	17/WNW	11/WSW	22/W	6/W	17	35/E
05/30	7/E	15/E	25/ESE	14/E	5/ENE	5/SW	10/WSW	15/WSW	28/SW	14/WSW	12/SW	15/W	14/NE	17/ESE	28/ESE	37/ESE	25/ESE	6/WSW	11/S	15/SW	14/WSW	26/WSW	9/SW	14/WSW	16	37/ESE
平均值	19	21	19	20	16	16	18	20	18	17	17	17	17	18	20	17	16	16	18	19	19	21	17	17		
最大值	43/E	50/WSW	46/W	52/WSW	45/WSW	44/SW	31/E	43/E	37/E	41/E	38/E	40/E	43/E	40/E	51/SW	37/ESE	39/SW	41/WSW	49/SW	46/E	39/E	44/E	49/E	34/ESE		

[註 1]: 月平均流速= **18cm/s**, 最大流速= **52m/s**, 其流向爲 **WSW**(去向)。流速分佈: <**25cm/s: 77.6%**,**25**~**50cm/s: 22.1%**,**50**~**70cm/s: .3%**,**75**~**100cm/s: .0%**,>**100cm/s: .0%**。

[註 2]: 流向分佈: **N**~**E: 30.6%**,**E**~**S: 24.2%**,**S**~**W: 30.6%**,**W**~**N: 14.7%**, 流向主軸: **E - W** (佔 **31.0%**), 主流向: **E** (佔 **22.6%**)。每小時記錄一次, 本月計 **720**筆 (**97%**), 資料檔名:**C095KLX0.1HA**。

港灣技術研究中心

表3.1.7　2009 年 06 月 基隆港測站 X 觀測逐時流速及流向月報表

2009年 **6**月 **1**日 **0**時 **0**分 ～ **2009**年 **6**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
06/01	4/ESE	11/N	13/SE	24/E	41/E	31/E	5/NE	5/NW	8/SW	20/S	20/SW	29/WSW	35/SW	31/WSW	7/WNW	4/E	13/NE	17/E	21/E	23/E	17/ESE	3/E	5/WSW	12/SW	17	41/E
06/02	19/SW	7/WNW	9/NW	9/SW	6/SE	5/ENE	13/ENE	12/ENE	10/NE	9/SE	11/S	30/SSW	35/WSW	39/WSW	22/WSW	5/S	7/E	15/ENE	16/E	20/ENE	23/E	19/ESE	14/ESE	8/SSW	15	39/WSW
06/03	8/WSW	15/SSW	11/NE	11/ENE	24/E	30/E	30/E	22/ENE	18/ENE	8/E	23/SSE	9/WSW	26/WSW	26/WSW	24/W	7/N	8/W	16/E	21/E	20/ESE	13/ENE	16/ENE	4/NE	6/SE	17	30/E
06/04	10/SSW	19/SW	36/SW	19/WSW	18/WSW	27/E	24/ESE	37/E	48/E	21/E	27/ESE	15/S	13/SW	29/WSW	30/WSW	20/W	9/NW	16/NNE	6/E	8/N	20/E	19/ENE	20/E	9/NE	21	48/E
06/05	7/N	23/SW	27/WSW	10/WNW	13/WNW	19/NE	17/E	16/NE	35/E	18/E	13/ENE	6/ESE	5/N	11/WSW	23/WSW	21/W	17/NW	11/N	22/E	13/E	24/ENE	4/W	8/NW	16/NE	16	35/E
06/06	9/ENE	4/E	7/SW	18/WSW	17/WSW	17/WNW	7/NNE	19/ESE	25/E	17/ENE	7/NNW	7/E	14/E	10/WSW	27/WSW	31/WSW	21/W	11/W	13/WSW	10/N	9/ENE	13/N	14/NE	13/NNE	14	31/WSW
06/07	12/N	4/ESE	13/SSW	20/SW	23/SW	17/WSW	16/NNE	14/ENE	14/E	33/E	32/E	6/NNE	4/SW	12/SSW	19/W	13/WSW	25/W	12/WNW	11/W	8/N	15/E	11/ESE	17/ESE	6/E	15	33/E
06/08	10/NE	8/NE	3/SE	10/SW	28/WSW	13/W	10/WNW	9/N	12/ESE	16/E	38/E	29/ENE	19/ESE	11/SSE	14/WSW	8/NNE	9/N	11/NNE	8/NW	21/WSW	8/NNW	14/E	15/E	20/E	14	38/E
06/09	23/E	4/SSE	3/SE	9/S	14/SSW	31/SW	26/SW	18/WSW	6/NW	12/SE	5/E	28/E	34/E	7/ENE	10/SSE	25/SSW	46/SW	28/WSW	20/WSW	8/WNW	9/NNW	21/E	11/ENE	26/E	18	46/SW
06/10	15/ENE	15/E	22/E	10/N	7/WNW	41/SSW	36/SW	38/WSW	21/WSW	6/N	18/ESE	17/ESE	9/E	9/E	9/E	10/S	16/WSW	41/SW	47/WSW	14/WSW	8/NNE	13/NNE	15/ESE	17/ENE	19	47/WSW
06/11	31/E	30/ENE	15/ENE	27/ESE	17/ESE	12/SSW	11/WSW	17/SW	39/WSW	16/WSW	11/SSE	13/E	17/E	15/E	13/E	12/E	2/W	28/WSW	29/SW	14/WSW	14/NW	7/WSW	17/ESE	18/ESE	18	39/WSW
06/12	30/ESE	14/ENE	13/NE	17/NE	4/WNW	19/S	13/SSW	6/SW	11/SW	9/WNW	10/NE	18/E	22/E	37/E	39/E	24/ESE	9/SSE	15/SW	16/SW	26/SW	16/NW	9/N	10/S	14/E	17	39/E
06/13	18/E	16/ESE	3/NNW	16/ENE	7/NE	5/SSW	7/WSW	11/SSW	33/SW	20/WNW	10/NW	5/WSW	13/ESE	19/E	23/E	15/ENE	7/NE	5/SSW	7/WNW	27/WSW	25/WSW	16/NNW	14/NW	5/N	14	33/SW
06/14	12/ENE	3/NNE	4/SE	5/E	6/ESE	4/WSW	4/SW	2/WSW	5/W	5/SW	13/SW	5/WSW	6/NW	22/ENE	19/NE	23/NE	13/NNE	3/NW	6/NNW	1/SSW	12/WSW	23/WSW	10/WSW	7/NW	9	23/WSW
06/15	15/ENE	18/E	39/ENE	13/NE	10/NNE	9/NE	3/NNW	4/E	4/WSW	*	3/W	9/SW	7/SSW	6/E	9/ENE	10/E	14/NNE	8/NNE	6/NE	6/NE	3/NW	3/NNW	11/SW	15/SW	10	39/ENE
06/16	11/WNW	7/ENE	20/E	22/ENE	34/E	13/NNE	10/N	5/N	8/ESE	4/SSW	13/SW	8/SW	14/SW	15/NW	9/NNE	9/ESE	12/ESE	10/E	9/ESE	13/ENE	9/ENE	6/E	4/WSW	6/S	11	34/E
06/17	11/WSW	8/N	13/NNE	18/ESE	22/E	24/ENE	33/E	17/SE	5/W	4/WSW	9/SW	10/SSW	10/WNW	12/W	10/NNW	6/NNE	7/N	6/N	14/NNE	25/E	6/S	5/ENE	7/NW	7/WNW	12	34/E
06/18	12/SSW	13/WNW	10/NNW	12/NE	17/E	27/E	32/E	32/E	23/ESE	14/SE	6/S	17/SW	33/WSW	7/SSW	10/W	8/NNW	11/E	15/E	32/E	34/E	14/NE	19/SE	4/N	2/SE	17	34/E
06/19	7/W	23/SW	23/WSW	13/NW	12/N	22/ESE	19/E	35/E	27/E	13/SE	10/SSW	7/SW	29/SW	16/WSW	13/NW	18/W	12/WNW	15/E	6/ESE	16/E	20/E	10/NE	3/S	4/E	16	35/E
06/20	11/SSW	24/SW	38/SW	25/WSW	16/W	14/SE	19/E	22/E	34/E	12/NNE	10/E	7/SSE	20/SW	29/WSW	21/WNW	13/WNW	8/NNW	12/E	17/ESE	21/E	32/ESE	28/E	16/ENE	5/NE	19	38/SW
06/21	5/S	27/SW	20/SW	28/WSW	24/W	12/NW	21/ESE	20/ESE	36/E	33/E	6/E	7/SSE	12/SW	29/WSW	27/W	20/WNW	10/WNW	12/WSW	6/SSW	6/ENE	12/NE	11/ENE	30/E	17/E	18	36/E
06/22	18/SE	14/SE	14/WSW	32/SW	9/NNE	11/NNE	14/NNW	11/SE	17/E	29/E	21/ENE	13/E	16/ESE	21/SW	35/SW	28/W	17/W	17/W	4/NE	36/E	47/E	30/ENE	61/E	46/E	23	61/E
06/23	14/E	8/W	33/SW	17/SW	20/WNW	13/W	18/W	13/NNE	33/E	31/E	13/NNE	14/NNE	24/E	10/ESE	18/E	9/SSW	14/WSW	3/SSW	10/NNW	13/NE	23/ESE	20/ESE	13/W	21/SW	17	33/E
06/24	30/E	27/E	13/E	5/E	4/W	13/WSW	12/S	6/NW	18/ENE	22/E	11/ENE	4/ENE	13/ESE	11/SSE	13/SW	26/W	27/WSW	22/W	10/W	10/W	18/ENE	17/E	39/E	44/E	17	44/E
06/25	25/ESE	38/E	11/NNE	5/N	4/NW	8/WSW	17/SW	8/W	16/W	16/NE	32/E	9/N	23/E	11/NE	4/ENE	5/NW	4/WNW	9/SW	8/WNW	5/WNW	9/NW	9/NE	15/ENE	11/ESE	13	38/E
06/26	6/ENE	8/E	13/ENE	12/NE	8/SSW	19/SW	32/SW	22/WSW	10/WNW	10/WNW	26/E	26/E	23/E	12/ENE	12/NNE	4/SW	15/WSW	47/WSW	34/WSW	8/WNW	21/WSW	33/WSW	3/S	12/NE	17	47/WSW
06/27	12/E	3/SSE	9/NNE	15/NE	15/NNE	7/SE	11/SSW	31/WSW	14/WSW	11/W	15/W	10/E	24/E	30/E	17/NE	19/ENE	5/SE	19/SW	60/WSW	18/WNW	13/WNW	30/WSW	23/WSW	14/SSW	18	60/WSW
06/28	8/NE	23/E	13/ENE	13/NE	8/E	5/WNW	16/SW	37/WSW	33/SW	7/W	4/SSE	16/WSW	6/S	18/ENE	19/ENE	13/NE	20/ENE	9/E	10/SSW	31/SW	24/WSW	16/WNW	18/W	7/WSW	16	37/WSW
06/29	14/SSE	12/ENE	18/E	10/NE	10/NNE	11/NE	13/ESE	12/SSE	9/WSW	14/SW	33/WSW	14/WNW	9/NNE	6/SW	10/ESE	11/NE	30/ESE	11/E	11/E	9/E	5/SE	26/SW	42/SW	20/W	15	42/SW
06/30	13/WSW	17/S	11/ENE	12/E	8/NE	5/NE	15/E	19/SE	10/SSE	16/SW	22/SW	13/SW	19/W	8/N	5/SE	8/NE	7/NE	19/E	29/E	24/E	21/ESE	12/SE	11/E	11/SSW	14	29/E
平均值	14	15	16	15	15	16	17	17	19	15	16	13	18	17	17	14	14	15	17	16	16	16	16	14		
最大值	31/E	38/E	39/ENE	32/SW	41/E	41/SSW	36/SW	38/WSW	48/E	33/E	38/E	30/SSW	35/SW	39/WSW	39/E	31/WSW	46/SW	47/WSW	60/WSW	36/E	47/E	33/WSW	61/E	47/E		

[註 **1**]: 月平均流速= **16cm/s**, 最大流速= **61m/s**, 其流向爲 **E** (去向)。流速分佈: **<25cm/s: 83.6%,25~50cm/s: 16.1%,50~70cm/s: .3%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 30.3%,E~S: 24.6%,S~W: 30.5%,W~N: 14.6%**, 流向主軸: **E - W** (佔 **26.8%**), 主流向: **E** (佔 **21.0%**)。每小時記錄一次, 本月計 **719**筆 **(100%)**, 資料檔名:**C096KLX0.1HA**。

港灣技術研究中心

表3.1.8　2009 年 07 月 基隆港測站 X 觀測逐時流速及流向月報表

2009年 **7**月 **1**日 **0**時 **0**分 ～ **2009**年 **7**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
07/01	24/W	12/NNE	8/NNE	15/ESE	25/E	7/N	6/NE	8/E	13/E	5/SSE	4/N	26/SW	17/WSW	36/W	5/NW	5/SSE	13/ESE	19/NE	37/E	36/E	25/E	7/WSW	4/S	10/WSW	15	37/E
07/02	14/SW	16/WSW	11/W	16/WNW	6/NNW	11/ENE	20/E	18/E	8/N	8/ENE	6/N	6/WNW	8/WNW	4/WSW	8/WSW	7/NW	13/E	21/ENE	33/E	42/E	33/E	18/ESE	6/ESE	6/NNW	14	42/E
07/03	6/WNW	6/SW	14/SW	11/W	7/ENE	17/E	21/E	26/E	31/E	5/NE	8/NNE	15/E	10/ESE	6/ESE	6/NNW	5/NNW	10/ENE	23/E	26/E	34/E	31/E	20/ENE	24/ENE	6/ENE	15	34/E
07/04	3/NNW	4/SSW	10/SSW	8/S	7/SW	4/W	20/E	17/ESE	24/E	12/NE	9/NNE	5/E	13/E	4/WNW	7/WSW	7/WSW	12/SSW	7/NW	12/E	23/E	48/E	22/NE	15/NE	14/ESE	13	48/E
07/05	9/SSW	8/SW	6/S	13/SW	17/SW	8/W	4/NW	16/E	24/ESE	22/ESE	28/N	10/E	14/E	10/ESE	4/W	9/NNW	26/SW	14/NW	10/ENE	9/ESE	19/E	15/NE	5/NW	11/WNW	13	28/N
07/06	11/N	14/S	13/WSW	29/WSW	21/WSW	14/W	15/W	17/E	13/ESE	22/E	7/N	31/E	23/E	11/ENE	9/SSW	19/WSW	8/WSW	5/N	10/NW	9/NNE	17/E	30/E	21/ESE	4/WNW	16	31/E
07/07	5/SW	15/ENE	5/ENE	8/SW	8/SW	27/SW	22/WSW	15/N	12/E	11/E	37/E	24/E	26/ENE	6/WSW	3/SSE	37/WSW	29/WSW	41/WSW	15/WNW	9/NNW	11/E	12/E	11/E	6/NW	16	41/WSW
07/08	4/W	16/NNE	8/NE	6/NNW	5/WNW	23/SW	40/WSW	10/WNW	5/NNE	9/NE	16/E	36/E	18/ESE	8/SSW	11/S	30/WSW	37/W	43/WSW	33/WSW	11/W	6/NNW	13/ESE	13/E	27/E	18	43/WSW
07/09	17/ENE	22/ENE	9/E	13/SE	5/ENE	13/WSW	33/SW	19/W	12/N	11/ENE	24/ENE	47/E	24/ENE	20/E	14/SE	16/W	38/WSW	21/WSW	12/W	12/WNW	9/NNW	16/E	21/E	16/ENE	19	47/E
07/10	6/WNW	4/NNW	16/ENE	7/NE	10/S	14/SW	32/SW	15/WSW	14/NW	22/ESE	15/ENE	10/NNE	39/E	35/E	4/NNW	9/WSW	15/WSW	10/W	31/WNW	10/WNW	23/SW	4/NNE	14/ENE	13/ENE	15	39/E
07/11	7/NE	5/W	12/W	14/E	13/N	5/NNW	19/WSW	23/W	19/WNW	9/NNW	5/SSE	15/E	20/ENE	39/E	11/NW	5/ENE	10/WSW	36/SW	20/W	22/W	21/W	17/W	18/SSE	7/NE	15	39/E
07/12	11/E	5/NE	6/NNE	36/E	22/SSE	19/S	33/WSW	28/SW	7/NNW	7/N	15/NW	16/SSE	10/ENE	14/ENE	16/NNE	8/E	11/WNW	6/WSW	16/WSW	20/SW	25/W	12/WNW	7/S	16/E	15	36/E
07/13	20/E	8/ENE	5/WNW	31/E	17/E	9/E	8/W	18/WSW	26/W	19/WSW	9/NW	16/E	6/NW	11/ENE	16/ENE	24/ENE	10/ENE	6/NW	12/W	21/SW	40/SW	12/NW	14/NW	11/E	15	40/SW
07/14	22/ESE	28/E	14/N	5/NNE	6/ENE	11/ENE	7/NE	8/W	22/WSW	8/NNW	16/W	13/W	8/WSW	13/SW	6/S	9/NNE	15/E	10/E	6/NNW	7/WSW	39/SSW	23/SW	23/WSW	15/W	14	39/SSW
07/15	4/NNE	12/ESE	11/E	19/E	19/E	14/E	19/NW	8/E	7/SW	24/WSW	23/WSW	32/WSW	30/WSW	20/SW	8/SSW	5/ESE	5/ESE	5/NE	9/ESE	6/ESE	5/SSE	7/SSW	12/WSW	31/WSW	14	32/WSW
07/16	21/SW	13/ESE	15/ESE	15/E	18/E	15/ESE	9/E	6/E	4/SE	7/SW	15/SSW	26/W	6/NNW	9/N	16/ESE	25/ESE	21/E	30/E	24/E	15/ESE	7/E	8/SE	6/WSW	8/S	14	30/E
07/17	13/WSW	11/NNW	21/ENE	28/E	28/E	30/E	13/NNE	8/NW	8/WNW	11/ESE	10/W	10/W	15/WSW	13/SW	15/N	16/ESE	23/E	23/E	17/E	9/NW	6/NNW	6/WSW	9/W	9/WSW	15	30/E
07/18	15/WSW	5/WNW	10/ENE	11/ENE	10/N	9/WNW	6/NNW	8/WSW	8/SW	5/WNW	12/NNW	20/WNW	5/WNW	13/SW	13/WNW	8/WNW	7/W	26/E	34/E	35/E	28/ESE	19/ESE	7/NE	6/W	13	35/E
07/19	29/SSW	27/SW	29/WSW	41/SW	38/WSW	25/WSW	15/WSW	8/S	5/E	9/ENE	5/SSE	16/WSW	34/SW	15/WSW	19/WSW	18/WSW	11/W	13/SSW	6/E	12/E	18/ENE	18/ENE	10/ENE	16/ESE	18	41/SW
07/20	9/SSE	21/SW	22/WSW	19/WSW	12/WNW	12/N	19/ESE	22/ESE	20/E	35/E	26/ESE	13/ESE	15/SW	24/WSW	14/W	11/NW	8/WNW	24/SE	18/ESE	29/E	22/ESE	13/SSE	10/S	14/E	18	35/E
07/21	16/E	6/WNW	10/W	20/WSW	10/WNW	12/NW	12/E	28/ESE	12/N	10/NNE	19/ENE	15/SSE	7/SSE	16/WSW	23/WSW	17/WNW	7/WNW	11/WNW	7/N	10/E	18/ESE	7/SW	10/SSW	21/SW	14	28/ESE
07/22	27/E	28/ESE	13/SSE	9/W	30/SW	16/W	14/WNW	8/NNE	39/ENE	38/E	8/NNE	40/E	14/N	6/SSW	13/W	47/WNW	32/WSW	31/WSW	21/W	9/SE	19/ENE	12/NNE	39/ESE	11/ESE	22	47/WNW
07/23	16/E	27/E	22/ESE	20/SSE	14/WSW	38/WSW	12/NW	7/W	10/E	16/ESE	13/NNW	15/ESE	8/ENE	12/E	10/S	36/WSW	22/W	20/WNW	9/WNW	30/WSW	15/NE	20/E	14/E	12/ESE	17	38/WSW
07/24	16/S	9/SE	22/E	11/NNE	6/WSW	18/WSW	49/W	15/W	5/NNW	9/ESE	13/SE	18/E	29/E	10/E	7/SE	13/S	22/SW	10/NE	7/NNW	24/SW	13/WSW	10/NE	24/E	14/E	16	49/W
07/25	33/ESE	7/SE	12/WNW	6/ESE	6/ESE	6/WNW	9/W	13/SSW	8/N	10/W	8/NE	14/NNE	9/SSE	10/SE	17/E	16/ESE	5/SW	23/WSW	17/W	8/NNW	37/SW	9/W	12/NE	17/SE	13	37/SW
07/26	34/ESE	11/ENE	11/E	28/SSE	12/SE	11/WNW	33/W	26/WSW	14/WNW	8/WNW	9/E	11/ENE	14/ESE	8/W	15/ESE	22/ESE	15/ESE	6/S	15/WSW	26/W	10/N	11/NW	14/W	5/NW	15	34/ESE
07/27	7/ESE	7/E	16/WSW	8/NNW	8/N	7/S	29/WSW	44/WSW	19/WNW	14/W	19/WSW	8/S	11/E	21/E	22/E	13/ENE	19/E	11/E	8/SSE	8/NNW	32/SW	13/NW	4/NW	14/NW	15	44/WSW
07/28	14/SSW	12/NE	15/E	12/NE	10/N	15/NNE	6/W	11/WSW	17/SW	11/NW	17/W	12/W	7/SE	10/E	13/E	10/NE	27/ESE	13/S	13/ESE	13/SSE	5/SE	4/WNW	26/SSW	12/N	13	27/ESE
07/29	14/NE	9/SSE	10/E	26/E	28/ENE	14/SSE	10/WNW	7/NW	14/WSW	29/SW	29/WSW	14/W	9/NNW	9/N	18/E	16/ESE	11/SE	6/ENE	5/ENE	6/ENE	7/E	7/S	7/WSW	8/WSW	13	29/WSW
07/30	15/WSW	17/NE	16/ENE	25/E	23/E	22/ESE	6/SE	13/ESE	8/E	5/W	10/SW	26/WSW	12/W	10/NNW	7/SW	15/E	20/ESE	6/N	6/ENE	10/E	25/ESE	22/ESE	13/SE	10/SSE	14	26/WSW
07/31	13/SW	19/SW	15/NW	12/NNE	15/ENE	12/ESE	6/NNE	9/WNW	9/NNE	7/NE	6/SSW	10/WSW	9/WSW	17/WSW	9/W	5/WSW	10/E	10/ENE	9/ENE	12/ENE	33/E	15/E	10/ESE	7/ESE	12	33/E
平均值	15	13	13	17	15	15	18	16	14	14	14	18	15	14	12	16	17	17	16	17	21	14	14	12		
最大值	34/ESE	28/ESE	30/WSW	41/SW	38/WSW	38/WSW	49/W	44/WSW	39/ENE	38/E	37/E	47/E	39/E	39/E	23/WSW	47/WNW	38/WSW	43/WSW	37/E	42/E	48/E	30/E	39/ESE	31/WSW		

[註 **1**]: 月平均流速= **15cm/s**, 最大流速= **49m/s**, 其流向爲 **W** (去向)。流速分佈: **<25cm/s: 85.6%,25~50cm/s: 14.4%,50~70cm/s: .0%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 25.5%,E~S: 26.9%,S~W: 28.2%,W~N: 19.4%**, 流向主軸: **E - W** (佔 **27.8%**), 主流向: **E** (佔 **19.2%**)。每小時記錄一次, 本月計 **744**筆 **(100%)**, 資料檔名:**C097KLX0.1HA**。

港灣技術研究中心

表3.1.9　2009 年 08 月 基隆港測站 X 觀測逐時流速及流向月報表

2009年 **8**月 **1**日 **0**時 **0**分 ~ **2009**年 **8**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
08/01	7/NE	11/SSW	6/S	10/W	7/N	12/ENE	9/ENE	15/NNE	11/ENE	7/N	10/E	6/W	7/S	9/W	8/W	7/SE	12/SW	8/NE	9/NE	*	6/NNW	14/ENE	9/ENE	7/SSE	9	15/NNE
08/02	8/WSW	8/ENE	10/SW	13/W	9/NW	15/NNW	9/N	11/E	10/NE	16/NE	14/E	8/NNW	6/W	12/W	11/W	9/WNW	11/NNW	11/NE	11/ENE	9/NE	11/NE	11/N	8/NNE	9/NE	10	16/NE
08/03	8/ESE	8/ESE	7/WSW	10/SW	6/NW	8/NNW	22/NW	14/ENE	11/ENE	14/NE	13/ENE	10/ESE	9/NNE	9/NW	8/ESE	21/SW	21/WNW	7/WSW	10/ESE	10/E	16/ESE	32/ESE	41/E	29/E	14	41/E
08/04	18/ESE	5/E	11/W	32/WSW	25/WSW	13/WNW	29/NW	10/ESE	14/ESE	16/ENE	28/E	9/SSE	10/SE	9/NNW	9/W	12/W	7/SW	5/W	10/W	19/ESE	27/ESE	35/ESE	32/E	10/NNE	17	35/ESE
08/05	8/E	9/NE	6/SSW	11/W	15/WSW	30/WSW	37/WNW	5/SSE	15/ENE	25/ESE	35/ENE	18/ESE	9/SE	9/SSE	10/SW	39/WSW	21/W	20/WSW	11/NNW	13/ESE	21/E	38/E	25/E	12/NE	18	39/WSW
08/06	35/E	17/E	18/S	20/WSW	33/WSW	18/W	39/WNW	6/N	8/S	11/E	22/E	39/E	41/E	35/E	21/ESE	30/WSW	41/WSW	59/WSW	34/SW	17/W	19/E	14/E	28/E	45/E	27	59/WSW
08/07	38/E	23/ENE	18/ENE	2/S	30/SW	24/SW	24/W	26/W	5/NW	17/NNE	23/ENE	62/E	59/E	29/ENE	7/N	13/WSW	6/SW	13/W	23/NW	9/WNW	33/NNE	30/ENE	18/SE	17/SE	23	62/E
08/08	17/SW	7/WNW	9/NW	19/NW	24/NW	20/NW	23/NNW	7/NNE	11/NE	3/NW	17/E	19/ESE	6/SE	6/SE	11/NNE	13/SE	9/SW	24/SW	14/SW	11/WSW	16/SW	9/ENE	12/E	28/ESE	14	28/ESE
08/09	38/E	21/NE	25/E	11/S	32/SSW	37/WSW	61/WSW	55/SW	43/WSW	18/WSW	23/WSW	6/SSE	10/SE	15/SE	10/ESE	8/SSE	36/SSW	50/SW	37/WSW	36/WSW	12/W	6/ESE	14/ENE	19/E	26	61/WSW
08/10	5/SSE	21/E	27/E	18/ENE	9/NW	20/SW	57/W	41/WSW	*	7/ESE	23/ENE	17/ESE	9/ENE	8/ENE	21/E	14/SE	7/SSE	24/WSW	33/WSW	17/W	16/W	14/SSE	11/ENE	10/ENE	19	57/W
08/11	15/ESE	5/ENE	13/NNE	10/E	16/S	14/SW	16/SW	10/NNE	19/SW	19/W	7/SE	15/NE	20/E	6/ENE	6/N	14/E	9/SSE	4/NW	23/WSW	23/NW	11/N	15/WSW	30/WSW	5/ESE	13	31/WSW
08/12	7/NNE	11/ESE	10/ESE	20/E	15/NE	12/SE	19/WNW	35/SW	21/WNW	37/WSW	18/WSW	18/WSW	5/SSE	17/ENE	16/NE	15/NE	12/NE	5/NNW	5/S	35/SW	30/WSW	13/NNW	24/W	26/SW	18	37/WSW
08/13	7/ENE	12/ENE	12/NE	35/E	32/E	6/WNW	10/N	20/W	16/W	32/SW	22/WSW	23/WSW	*	*	*	*	*	*	*	*	*	*	*	*	19	35/E
08/14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15/ENE	23/ENE	13/ENE	10/E	21/E	23/ESE	18/ESE	12/E	6/ESE	4/S	15	23/ESE
08/15	9/W	15/N	11/SSE	9/ESE	8/E	19/ESE	26/E	15/ENE	6/N	11/SE	6/SSW	5/W	19/SSW	18/W	8/SW	7/ENE	5/NNE	8/ENE	14/E	51/E	32/E	10/SSE	11/SSE	21/SSW	14	52/E
08/16	22/SW	10/WNW	10/NW	7/N	6/WSW	6/S	13/SSE	20/ESE	18/E	13/E	7/NE	12/WSW	18/WSW	20/WSW	31/WSW	19/SW	14/ENE	10/ENE	10/E	8/ESE	7/SSE	19/SE	24/E	15/E	14	31/WSW
08/17	5/E	7/W	9/SSW	14/W	5/NW	13/SW	18/SSE	12/SE	8/SE	15/ESE	11/ESE	22/SSE	25/S	15/W	7/W	11/NW	13/W	7/ENE	8/E	8/SE	12/W	14/W	13/ESE	19/ENE	12	25/S
08/18	11/NNW	24/WSW	27/W	23/WNW	25/WNW	9/ENE	14/NE	41/E	16/NNE	30/ESE	24/ESE	12/ENE	12/WSW	30/WSW	14/WSW	14/W	16/W	7/E	10/ENE	7/SE	8/E	5/E	16/NW	19/NE	17	41/E
08/19	14/E	5/WSW	16/WSW	37/SW	14/NW	22/NW	11/E	32/ESE	60/E	4/WNW	38/E	9/ENE	13/ESE	9/SW	23/W	30/W	10/NW	10/NW	12/WSW	11/ENE	18/ESE	11/WSW	18/WSW	11/WSW	18	60/E
08/20	21/NNE	10/SE	14/SSE	11/WNW	21/SW	20/W	14/NNW	7/SE	11/SE	13/E	8/WSW	8/WNW	11/N	8/ESE	9/W	51/SW	33/W	16/W	11/WSW	8/WNW	22/E	19/ESE	5/N	6/W	15	51/SW
08/21	8/ESE	7/NE	5/ESE	23/SW	7/SSW	14/NW	5/NE	17/W	10/N	10/E	33/E	16/E	29/ESE	21/ENE	10/ESE	11/W	14/SSW	18/SSW	7/E	25/WSW	15/SSE	10/NE	18/E	17/E	15	33/E
08/22	16/ESE	5/E	7/NE	4/WNW	16/S	19/NNW	13/NNW	10/W	12/NE	22/ESE	27/E	35/E	32/E	10/NW	8/SW	5/SW	13/W	24/W	20/WNW	41/WSW	20/W	8/NE	20/E	14/E	17	41/WSW
08/23	13/NNE	9/NNE	8/ENE	5/ENE	10/WSW	34/W	20/W	9/WNW	10/SW	22/W	10/E	14/E	14/E	8/NNW	13/N	7/NW	32/WSW	26/WNW	23/WNW	21/W	24/WSW	25/W	21/ENE	25/NE	17	34/W
08/24	20/E	12/NE	5/S	14/ESE	9/WSW	14/SE	8/W	9/E	34/WSW	15/W	13/ENE	*	13/ENE	12/NE	12/SSW	15/ESE	13/SSW	30/SW	35/WSW	15/WNW	20/WNW	14/NNW	10/ENE	10/E	15	35/WSW
08/25	7/NE	12/NE	16/NE	27/ESE	30/ESE	16/E	14/WSW	23/WSW	7/WSW	6/NNW	10/W	14/E	13/ENE	14/SE	11/S	27/ESE	27/ESE	8/S	19/WSW	32/WSW	13/W	20/WNW	12/NNW	24/ESE	17	32/WSW
08/26	27/ESE	25/E	20/ENE	11/ENE	29/ESE	14/ESE	10/W	29/SW	8/WNW	7/N	8/NW	8/NE	14/E	17/ENE	11/NE	14/NNE	34/E	8/SE	7/S	7/WSW	17/WSW	14/NW	7/NW	14/NW	15	34/E
08/27	13/NE	34/E	31/E	39/ESE	10/NNE	20/E	12/ESE	8/W	8/WSW	12/SW	8/WNW	8/N	8/W	10/SE	11/E	15/E	13/E	12/ENE	11/ESE	9/SSE	4/SE	6/SW	13/SW	8/WSW	14	39/ESE
08/28	6/WNW	5/N	16/ESE	16/E	24/E	19/E	12/E	14/E	7/SE	6/WSW	17/SSW	9/SW	12/WSW	6/W	8/NE	10/E	11/E	13/E	14/NE	13/ESE	8/SE	5/ENE	7/ENE	5/W	11	24/E
08/29	6/WNW	6/E	6/NE	12/E	10/ESE	11/E	14/ENE	17/ESE	13/E	8/ESE	8/E	11/SSE	4/NNW	8/SSW	7/SE	9/NE	10/SE	14/E	25/E	30/ESE	23/E	5/SSE	8/S	6/WSW	11	30/ESE
08/30	7/SW	8/SW	9/SSE	8/NW	4/W	11/ENE	12/E	10/ESE	10/E	6/SE	5/ESE	3/SSW	2/E	13/SW	17/SW	10/S	7/SSE	18/ESE	22/E	35/E	30/E	10/ENE	6/E	9/SSE	11	35/E
08/31	8/SSE	8/SSW	9/SSW	12/SSW	8/NW	6/NW	10/SE	8/ESE	7/SE	11/SE	7/E	6/SSE	11/WSW	15/SW	14/WSW	15/SSW	11/W	6/W	9/ENE	21/E	17/ENE	25/E	14/ENE	6/SW	11	25/E
平均值	14	12	13	16	16	17	19	18	15	15	17	15	15	14	12	16	16	16	17	19	17	15	16	15		
最大值	38/E	34/E	31/E	39/ESE	33/WSW	37/WSW	61/WSW	55/SW	60/E	37/WSW	38/E	62/E	59/E	35/E	31/WSW	51/SW	41/WSW	59/WSW	37/WSW	52/E	33/NNE	38/E	41/E	46/E		

[註 **1**]: 月平均流速= **16cm/s**, 最大流速= **62m/s**, 其流向爲 **E** (去向)。流速分佈: **<25cm/s: 85.0%,25~50cm/s: 13.6%,50~70cm/s: 1.4%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 27.0%,E~S: 29.7%,S~W: 25.6%,W~N: 17.8%**, 流向主軸: **E - W** (佔 **26.9%**), 主流向: **E** (佔 **16.9%**)。每小時記錄一次, 本月計 **715**筆 (**96%**), 資料檔名:**C098KLX0.1HA**。

港灣技術研究中心

表3.1.10　2009 年 09 月 基隆港測站 X 觀測逐時流速及流向月報表

2009年 **9**月 **1**日 **0**時 **0**分 ~ **2009**年 **9**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
09/01	10/SSW	8/W	10/SW	7/SW	7/SSW	10/W	8/N	7/E	9/NNE	9/E	7/S	*	9/W	12/SW	22/SW	*	12/W	9/SW	7/N	17/ESE	9/N	7/E	8/E	5/ENE	10	22/SW
09/02	9/NE	6/WNW	8/SSW	11/SSW	12/SW	10/SSW	11/SW	11/ENE	9/NNW	7/ESE	7/SSW	6/ESE	7/SSE	11/SSW	13/SW	14/SW	14/SW	14/SW	9/WSW	19/E	9/WNW	7/SE	6/NE	8/ENE	10	19/E
09/03	11/NE	8/NE	10/SSW	27/WSW	11/SSW	10/WSW	19/WNW	11/ENE	23/ESE	24/E	25/ESE	21/SE	15/ESE	7/S	15/SSW	21/SW	14/SW	10/WNW	9/WNW	15/ESE	7/SSW	9/SSE	7/E	12/S	14	27/WSW
09/04	18/E	6/NNE	20/SSW	12/SW	11/NW	9/WSW	10/SW	7/ESE	11/S	39/E	16/ENE	13/E	10/E	6/NNE	8/SW	17/WSW	19/SW	12/WSW	11/WNW	10/NE	13/SE	6/ENE	8/SE	14/SW	13	39/E
09/05	13/SE	16/NE	9/NW	10/W	18/SW	9/N	20/NW	14/W	11/E	29/ESE	26/E	7/S	7/NNE	7/NNE	10/SSE	12/WSW	19/WSW	16/WSW	15/WNW	7/WNW	12/NE	10/SE	22/ESE	8/WSW	14	29/ESE
09/06	10/SSW	15/E	9/NNW	10/SSW	29/WSW	15/WNW	11/W	11/W	9/NE	10/ESE	29/E	39/ESE	12/E	16/E	7/ESE	9/WSW	25/WSW	14/WNW	13/W	8/W	11/NE	14/ESE	23/ESE	5/NNE	15	39/ESE
09/07	7/S	12/E	10/ENE	6/W	29/SSW	19/WSW	10/SW	7/NNW	11/N	21/ESE	23/ESE	38/ESE	12/ESE	9/NE	8/N	9/SSE	32/WSW	23/W	10/W	16/W	12/WNW	13/NNE	20/ESE	14/NE	15	38/ESE
09/08	13/ENE	14/NNE	8/NNE	13/SSE	13/SW	15/WNW	12/WNW	10/WNW	9/W	13/NE	23/ESE	39/ESE	12/ENE	9/NNW	10/ENE	7/ESE	14/SW	50/WSW	27/SW	24/W	14/SW	11/NNW	26/E	26/E	17	50/WSW
09/09	33/ESE	15/ENE	13/ESE	7/S	16/SSE	10/WSW	29/SW	25/W	10/SW	9/SW	15/ESE	32/E	33/ESE	17/ENE	8/NE	7/SSE	16/SSW	25/SW	31/WSW	18/W	21/WSW	8/WSW	20/E	19/ESE	18	33/ESE
09/10	35/E	30/E	7/N	8/SE	13/SE	14/SSW	18/WSW	22/SW	16/SW	13/W	6/ESE	18/SSE	23/SE	6/ENE	7/NE	8/ENE	8/SE	13/SSW	17/SW	21/SW	20/WSW	14/WSW	15/WSW	12/E	15	35/E
09/11	15/E	6/NNE	10/NE	16/ESE	7/S	7/SE	9/W	30/WSW	13/SW	7/WSW	7/NW	9/W	14/ESE	8/N	7/E	14/SE	12/ENE	9/ESE	9/SE	14/SSW	29/WSW	12/SW	11/WSW	7/NW	12	30/WSW
09/12	9/N	18/ESE	21/ESE	23/E	11/ENE	7/NNW	6/N	17/SW	30/WSW	12/WSW	6/NW	9/NW	8/WNW	7/ESE	8/SSE	11/NE	9/NE	9/E	11/ESE	7/ESE	11/S	13/SW	25/SW	18/WSW	13	30/WSW
09/13	11/W	14/WSW	7/WSW	14/ENE	10/ENE	10/SE	6/WNW	6/ESE	12/SSW	20/SW	29/SW	15/SW	6/W	6/WSW	6/W	14/SE	20/ESE	24/ESE	31/ESE	20/ESE	15/SSE	11/S	11/SSW	19/SSW	14	31/ESE
09/14	16/SSW	12/WSW	6/ENE	15/ESE	17/ESE	27/ESE	15/E	13/ESE	7/SSW	4/W	9/SW	11/SSW	8/NW	6/NW	12/NNW	6/ENE	22/E	29/ESE	32/ESE	34/E	21/E	9/E	8/SSE	19/SE	15	34/E
09/15	12/SW	14/SW	11/WSW	11/NW	11/N	13/SE	18/ESE	26/E	17/ESE	7/ESE	7/ENE	9/W	37/SW	15/SW	7/W	6/NNW	5/NE	9/ESE	25/ESE	26/E	31/E	16/ENE	20/ESE	13/S	15	37/SW
09/16	15/S	17/WSW	30/SW	13/W	5/NW	8/SE	8/E	14/ENE	15/ENE	16/E	6/NNE	6/SW	12/WSW	27/SW	28/WSW	19/WSW	11/N	16/E	33/E	41/ESE	29/ENE	45/E	31/E	12/NE	19	45/E
09/17	6/N	10/SSW	19/SW	31/SW	14/NW	19/NNW	27/ESE	31/ESE	17/ENE	9/E	14/NNE	6/ESE	7/SE	5/WSW	19/SW	25/SW	11/W	7/W	23/ESE	22/E	6/ESE	5/ESE	7/NE	6/NE	14	31/SW
09/18	16/ENE	8/N	9/W	12/ESE	9/N	5/W	6/SSW	15/NE	30/E	4/WNW	4/SSW	5/W	17/ENE	10/S	17/SW	26/SW	20/WNW	7/W	8/NW	15/ENE	14/E	16/ESE	5/ENE	6/ENE	12	30/E
09/19	15/NE	9/N	9/SW	16/S	8/NE	11/NW	16/WNW	9/WNW	17/ENE	27/E	9/NNE	14/NE	12/ENE	8/E	19/SSE	11/SSW	33/SW	23/WSW	10/W	12/ESE	19/E	28/ESE	4/ESE	5/WSW	14	33/SW
09/20	13/ENE	4/NNE	6/SSW	20/WSW	20/W	14/WNW	14/WNW	15/NW	4/E	14/E	6/SSE	12/W	10/WNW	4/SSE	14/NNW	12/SSW	39/SW	44/WSW	24/SW	9/WNW	17/ENE	23/ESE	27/E	45/SE	17	45/SE
09/21	*	*	*	*	*	*	*	*	12/SW	10/W	7/ENE	6/SW	9/WSW	17/WSW	19/W	18/WNW	10/N	18/ESE	14/NE	4/N	6/SSW	6/E	12/ESE	11/SW	11	19/W
09/22	32/WSW	14/WSW	16/W	15/W	9/W	11/E	16/ENE	5/NE	10/SSW	7/W	14/ENE	15/E	5/E	4/SSW	9/SW	8/SE	8/S	27/WSW	43/WSW	22/WSW	24/W	8/NW	12/ESE	13/E	15	43/WSW
09/23	24/E	17/ESE	5/WSW	5/E	5/WSW	25/SW	20/WSW	21/WNW	9/W	11/W	11/ENE	19/E	14/NE	12/NE	6/S	11/SSW	10/ESE	17/SSE	16/S	23/SW	21/SW	18/WSW	10/WNW	18/ESE	14	25/SW
09/24	10/ENE	7/NE	8/NE	5/ESE	7/SE	8/SW	18/WSW	20/WSW	19/WSW	10/W	7/NW	8/SE	20/ESE	7/N	5/E	4/NNW	11/E	26/ESE	12/SE	5/SSW	9/WSW	20/SW	22/WSW	6/SW	12	26/ESE
09/25	13/E	19/E	20/E	21/ESE	4/NNE	4/SSW	12/SW	12/WSW	21/SW	14/WSW	13/WSW	11/ESE	17/ESE	5/NW	4/WNW	8/SSE	10/SSE	*	19/E	9/ESE	5/WSW	4/NW	6/SW	10/WSW	12	21/ESE
09/26	13/ESE	16/ESE	7/NE	8/ENE	6/ESE	5/NNW	6/ENE	4/NNW	8/WSW	10/SW	11/SW	13/SSW	11/WSW	5/NE	6/ENE	6/NE	7/NE	9/WNW	5/SSE	19/ESE	15/SE	6/S	7/SW	9/S	9	19/ESE
09/27	8/W	6/NNW	11/NE	9/ENE	7/NNE	4/ENE	7/NE	5/SE	7/S	5/WSW	6/WSW	10/SW	5/W	5/W	5/SSE	12/NE	24/E	17/NNE	7/NE	8/E	7/ESE	9/ENE	11/E	9/SE	9	25/E
09/28	5/ESE	8/SSE	5/ESE	5/E	10/ENE	8/ENE	8/E	6/E	6/SE	7/S	11/SSW	9/SW	15/SW	15/SW	13/SW	5/W	9/SW	15/E	9/ENE	8/ENE	5/NE	18/ENE	7/SSE	7/S	9	19/ENE
09/29	6/WSW	6/W	8/SSW	16/SW	13/WSW	10/ENE	19/SE	18/SE	22/SE	24/SE	9/S	12/SSW	12/SW	13/SW	18/SSW	16/WSW	10/WSW	12/ESE	19/ESE	6/S	6/ESE	13/SE	33/E	23/ESE	14	33/E
09/30	18/ESE	11/SSE	6/SW	6/E	12/SE	5/NNE	7/NNE	11/E	12/ESE	9/SE	13/ESE	11/SSE	9/SW	23/SW	19/SW	15/WSW	*	*	10/NNE	25/E	10/NNE	13/NE	16/ENE	6/NE	12	25/E
平均值	14	12	11	13	12	11	13	14	14	13	13	15	13	10	12	12	16	18	17	16	14	13	15	13		
最大值	35/E	30/E	30/SW	31/SW	29/WSW	27/ESE	29/SW	31/ESE	30/E	39/E	29/SW	39/ESE	37/SW	27/SW	28/WSW	26/SW	39/SW	50/WSW	43/WSW	41/ESE	32/E	45/E	33/E	45/SE		

[註 1]: 月平均流速= **13cm/s**, 最大流速= **50m/s**, 其流向爲 **WSW**(去向)。流速分佈: **<25cm/s: 91.2%,25~50cm/s: 8.6%,50~70cm/s: .1%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 20.8%,E~S: 31.1%,S~W: 33.7%,W~N: 14.4%**, 流向主軸:**ESE-WNW**(佔 **18.4%**), 主流向:**ESE**(佔 **13.3%**)。每小時記錄一次, 本月計 **707**筆 (**98%**), 資料檔名:**C099KLX0.1HA**。

港灣技術研究中心

表3.1.11　2009 年 10 月 基隆港測站 X 觀測逐時流速及流向月報表

2009年**10**月 **1**日 **0**時 **0**分 ~ **2009**年**10**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
10/01	7/SSE	13/SW	36/SW	35/SW	21/W	9/NNW	12/S	11/ESE	12/E	11/ENE	11/S	*	*	*	*	*	12/NW	12/NNW	21/E	34/E	54/E	66/E	47/E	26/E	24	66/E
10/02	21/ESE	16/SSE	22/SW	15/SW	24/WSW	9/WNW	12/ENE	28/E	39/E	18/NE	14/NE	11/ENE	14/ESE	15/WSW	24/SW	16/WSW	34/SW	23/WNW	14/N	26/E	48/E	61/E	66/E	31/ENE	25	66/E
10/03	12/NE	8/E	5/SSE	8/WSW	8/W	9/SSE	26/N	29/ENE	38/ENE	46/E	35/ENE	24/ENE	10/NE	4/NW	14/SSW	11/WSW	12/SSW	9/NW	9/NNW	23/ENE	50/ENE	41/E	6/NW	13/N	19	50/ENE
10/04	18/E	3/SSE	13/WSW	11/W	19/SW	27/W	15/NW	8/ENE	17/ENE	47/E	56/ESE	7/SE	6/WSW	21/E	7/WNW	9/WSW	33/SW	12/NW	8/N	22/N	19/NNE	31/E	36/ENE	22/NNE	20	56/ESE
10/05	18/NNE	22/W	21/W	16/SSW	17/WSW	9/S	14/NW	24/NNW	7/NNW	5/W	24/E	13/E	19/ENE	5/NW	5/WNW	6/SE	11/W	14/SSW	11/W	13/N	13/NE	4/WSW	27/E	30/E	15	30/E
10/06	35/ENE	3/N	7/N	8/SW	11/SW	6/S	7/W	5/SSE	12/ENE	27/E	36/E	26/E	10/S	20/SSE	32/E	8/ESE	4/NW	12/NNE	7/ESE	15/NE	16/NE	11/NNE	27/ENE	53/ESE	17	53/ESE
10/07	38/E	35/ESE	5/N	16/W	48/SW	20/WSW	15/SW	9/WNW	16/ESE	10/SE	8/ENE	36/ESE	10/WNW	4/NW	19/E	7/SSE	12/SE	11/WSW	23/SW	14/W	12/NNW	26/N	23/ENE	33/ENE	19	48/SW
10/08	35/E	13/ENE	23/ESE	9/NNE	13/W	15/W	13/SSW	31/WNW	12/W	6/SSW	16/ENE	11/NE	8/E	15/ENE	3/N	3/SSE	13/SSW	13/SW	16/SSW	11/W	13/W	12/WSW	11/NNE	15/NNW	14	35/E
10/09	25/E	19/E	11/NE	7/ENE	14/SW	27/W	14/WNW	10/WNW	11/WNW	8/NNW	6/ENE	8/E	4/WNW	7/E	47/E	26/E	7/ESE	9/SSW	8/W	30/SW	8/SSW	13/SW	8/ENE	7/ESE	14	47/E
10/10	19/ESE	21/E	34/ESE	15/ENE	7/SE	7/S	25/WSW	9/WSW	14/W	9/NW	11/WNW	13/S	9/SSE	10/ENE	9/ESE	10/E	4/NNE	6/SSW	7/SSW	18/SW	32/SW	14/WSW	10/SSW	7/SW	13	34/ESE
10/11	15/E	26/E	43/E	28/E	6/NNE	7/W	6/SE	22/SW	14/W	31/WNW	7/NNW	9/SSW	8/W	8/SW	8/SW	7/S	8/NNE	32/ENE	5/WSW	12/S	10/SW	11/WSW	17/SW	16/SSW	15	43/E
10/12	9/WSW	17/E	12/E	8/NNE	31/E	26/E	14/ESE	12/E	7/W	21/SSW	17/WSW	12/WNW	29/W	7/NNE	11/ESE	17/NNE	19/ENE	32/ENE	16/E	16/ESE	7/SE	8/SSW	14/SW	15/SW	16	32/ENE
10/13	11/SW	7/SW	12/W	9/NNE	15/E	23/E	22/E	23/E	18/ENE	5/ENE	7/WNW	20/WSW	11/WSW	10/WNW	14/NNW	13/ESE	21/ESE	31/E	24/ENE	17/ENE	10/NNE	6/SSW	16/SW	9/WSW	15	31/E
10/14	17/SW	21/WSW	14/W	15/NW	7/E	9/NNE	33/E	41/E	37/E	18/ENE	6/ESE	15/WSW	38/WSW	8/W	15/WNW	13/WNW	16/NW	21/ESE	38/E	47/ENE	43/ENE	6/NE	6/SW	8/W	21	47/ENE
10/15	11/W	28/SW	7/W	9/WNW	6/NNE	8/NNE	24/E	32/ENE	25/NE	14/N	9/N	9/WNW	49/SW	40/WSW	10/WNW	11/WNW	18/NNW	20/ESE	24/ESE	36/ESE	14/ENE	11/N	9/NNE	7/N	18	49/SW
10/16	5/WSW	30/SW	11/WNW	7/W	17/W	14/WNW	8/ESE	20/E	27/E	11/N	11/NNW	10/NNW	9/W	37/WSW	35/SW	18/WSW	10/W	13/NNW	18/E	11/E	7/E	15/E	36/E	13/NE	16	37/WSW
10/17	14/WNW	30/SW	3/WNW	22/W	8/NNW	20/W	10/NW	19/ESE	30/E	49/E	49/E	13/NE	6/NNW	18/SSW	23/WSW	30/WSW	26/WSW	14/W	6/ENE	16/ESE	16/E	16/ENE	19/ENE	11/NNE	20	50/E
10/18	11/N	9/W	16/SSW	38/SW	29/WSW	17/W	11/NW	7/N	24/E	32/E	37/E	31/ENE	29/E	12/E	9/SW	19/SW	24/W	4/NW	15/WNW	17/NE	22/E	18/E	27/NNE	20/ENE	20	39/SW
10/19	9/NNW	9/NW	12/WNW	29/SW	26/WSW	16/W	21/WNW	10/E	16/ESE	28/ESE	52/E	57/E	11/NE	14/ENE	3/NNE	19/WSW	33/WSW	26/W	11/NW	16/NW	18/NE	16/E	34/E	46/E	22	57/E
10/20	27/ENE	7/N	11/NW	39/WSW	32/WSW	40/WSW	9/NNW	19/WNW	15/N	20/ESE	18/ENE	27/E	29/ENE	13/ENE	8/N	13/S	18/SW	28/WSW	19/W	13/WNW	14/NNE	28/ENE	17/NE	38/E	21	40/WSW
10/21	48/E	31/E	11/E	11/WSW	30/SW	16/WSW	12/NW	17/W	12/N	17/E	26/E	41/E	42/ENE	27/E	10/ENE	14/N	8/W	13/SSW	14/WSW	23/WSW	4/NW	10/ENE	13/ENE	31/E	20	48/E
10/22	32/E	14/ENE	9/N	8/NNW	13/SSW	25/SW	35/SW	9/WSW	7/NW	15/NE	11/SE	18/ESE	50/E	48/E	35/E	10/NE	6/W	17/WSW	19/SW	14/W	11/W	5/N	18/NE	12/NW	18	50/E
10/23	50/E	43/E	16/ENE	10/NE	10/ENE	6/N	10/NW	18/SW	15/WSW	13/NW	16/ENE	16/E	42/E	43/ENE	24/ENE	7/WNW	6/WSW	11/SW	11/SW	21/WSW	12/WSW	9/SSW	10/E	4/SW	18	50/E
10/24	4/SSE	23/ESE	34/E	30/ESE	21/E	11/E	8/S	21/SW	28/WSW	5/W	8/WSW	9/NE	8/SE	33/ENE	29/ENE	12/ENE	25/ENE	28/E	21/ENE	7/S	9/WSW	9/WSW	23/W	11/NE	17	34/E
10/25	7/NNE	11/E	27/E	44/ESE	42/ESE	38/E	21/ESE	7/S	5/WSW	9/WSW	12/WSW	11/WNW	13/N	11/NE	26/E	39/ENE	29/E	28/ESE	27/E	8/E	22/SW	25/SW	13/W	14/NNW	20	44/ESE
10/26	6/WNW	8/ESE	12/NE	14/NE	28/E	16/ESE	8/E	3/S	12/W	28/SW	27/W	15/WNW	11/WSW	10/WNW	13/E	14/N	6/N	22/ENE	5/N	7/WNW	11/W	12/WSW	13/SW	17/SW	13	28/E
10/27	12/W	13/W	8/WNW	5/NNW	8/NNE	6/SSE	6/SE	6/W	8/WNW	7/WSW	8/WSW	24/SW	10/WNW	11/W	13/N	11/ENE	11/N	8/ENE	7/ENE	8/NW	5/SW	7/SSW	8/SW	10/SW	9	24/SW
10/28	22/SSW	19/SW	8/SW	5/SW	5/E	7/ENE	5/E	10/NE	10/NNE	6/NNE	5/NNW	10/W	15/WSW	20/SW	13/WNW	14/NNW	9/NNE	8/ESE	9/ENE	9/NE	11/N	6/N	4/SSE	7/SSW	10	22/SSW
10/29	14/SW	18/SW	18/SSW	5/NE	10/NNE	12/E	25/E	18/E	16/E	12/NNE	10/NNE	3/ESE	9/SSW	20/SW	40/SW	20/SW	14/SW	11/ESE	14/E	21/E	30/E	19/E	7/ENE	10/E	16	40/SW
10/30	9/S	7/WSW	17/SW	16/W	6/NW	13/E	19/E	24/E	35/E	28/E	12/ENE	4/NW	5/ESE	14/SW	13/S	13/SW	10/SW	7/NNW	25/ENE	31/E	39/ENE	38/ENE	25/E	22/ESE	18	39/ENE
10/31	20/ESE	4/SSE	7/WSW	13/SSE	8/NNW	14/NE	25/E	35/ENE	46/ENE	30/ENE	18/ENE	9/N	4/NE	11/SSW	10/WSW	5/N	14/SW	11/W	25/ENE	39/E	41/ENE	40/E	17/N	11/N	19	46/ENE
平均值	19	17	16	16	17	16	16	17	19	19	19	17	17	17	18	14	15	16	15	19	20	19	19	18		
最大值	50/E	43/E	43/E	44/ESE	48/SW	40/WSW	35/SW	41/E	46/ENE	50/E	56/ESE	57/E	50/E	48/E	47/E	39/ENE	34/SW	32/ENE	38/E	47/ENE	54/E	66/E	66/E	53/ESE		

[註 1]: 月平均流速= **17cm/s**, 最大流速= **66m/s**, 其流向爲 **E** (去向)。流速分佈: **<25cm/s: 78.2%,25~50cm/s: 20.4%,50~70cm/s: 1.4%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 31.8%,E~S: 19.6%,S~W: 30.2%,W~N: 18.4%**, 流向主軸: **E - W** (佔 **27.2%**), 主流向: **E** (佔 **18.8%**)。每小時記錄一次, 本月計 **739**筆 (**99%**), 資料檔名:**C09AKLX0.1HA**。

港灣技術研究中心

表3.1.12　2009 年 11 月 基隆港測站 X 觀測逐時流速及流向月報表

2009年**11**月 **1**日 **0**時 **0**分 ~ **2009**年**11**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
11/01	9/NW	4/N	5/WNW	14/W	11/WSW	17/W	18/N	18/E	30/ESE	20/ENE	12/NNE	11/E	25/E	23/ESE	11/SE	27/WSW	36/W	21/W	6/S	7/N	21/NE	18/ENE	53/E	39/E	19	53/E
11/02	16/ENE	8/SW	25/SW	31/W	16/W	14/N	21/NE	26/ENE	28/E	47/ENE	51/E	21/ESE	15/SE	8/SE	17/WSW	22/SSW	15/NW	15/N	17/NE	35/ENE	35/ENE	52/ENE	49/E	35/E	26	52/ENE
11/03	33/E	15/E	8/SW	23/WSW	12/W	12/WNW	22/NNE	20/E	33/E	57/ENE	54/ENE	37/ENE	30/E	27/ESE	8/SSE	10/NW	14/WSW	11/WSW	11/NNE	19/N	20/ENE	58/E	41/ENE	25/NE	25	58/E
11/04	7/N	6/NW	11/NNW	7/W	25/WSW	8/WSW	8/SW	11/SE	7/NE	52/E	38/E	19/NE	21/NE	10/NNE	4/ENE	5/NNW	13/S	10/WSW	5/SSW	12/W	10/NNE	8/NNW	22/ENE	39/E	15	52/E
11/05	21/E	9/NNE	6/SSW	5/NW	11/SW	10/SW	5/S	7/NNW	19/ENE	35/E	47/E	48/E	27/ENE	13/SSE	13/SE	7/NNE	11/S	20/SSW	41/SW	59/WSW	45/WSW	4/ESE	16/E	16/ENE	21	59/WSW
11/06	23/ESE	24/E	17/ESE	6/S	17/W	18/SSW	32/SW	39/WSW	22/WSW	9/NE	15/E	19/E	60/E	48/E	34/E	20/ESE	14/ESE	14/S	32/SW	42/WSW	13/W	13/NW	29/ESE	27/E	24	60/E
11/07	46/E	43/E	40/E	16/SE	14/SW	27/WNW	11/SW	47/WSW	38/SW	17/N	11/SSW	10/ENE	20/E	13/ENE	16/ENE	19/ENE	13/ENE	13/SSE	24/SSW	32/WSW	21/W	15/WNW	8/NNW	32/E	23	47/WSW
11/08	40/E	43/E	51/E	30/E	19/E	12/S	25/SW	48/SW	25/WSW	30/WSW	18/WSW	19/SSW	7/NE	5/NE	6/WNW	2/N	20/NE	15/ESE	19/S	17/WSW	38/SW	19/WSW	14/W	5/WNW	22	51/E
11/09	16/NE	25/ENE	37/E	38/ENE	27/E	26/ESE	20/SE	23/SW	43/W	34/WSW	33/SW	14/NNW	8/NE	16/E	12/E	13/E	10/NE	14/NE	18/E	11/SW	21/SW	15/SW	29/SW	20/WSW	22	43/W
11/10	12/NNE	6/SW	15/E	29/E	34/E	34/E	18/E	5/E	*	29/SW	35/SW	10/NW	10/NNW	5/NE	16/E	34/E	41/E	38/E	41/E	22/SE	21/S	14/WSW	19/SW	31/W	23	41/E
11/11	25/SW	24/W	5/NW	11/E	6/SE	27/E	41/E	39/E	21/ESE	16/S	23/SW	36/SW	24/WSW	14/WSW	12/NNE	15/NE	16/E	31/E	44/E	23/E	20/ENE	16/E	6/S	23/SW	22	44/E
11/12	25/SW	4/N	6/NNW	14/NNE	14/ESE	26/E	31/E	36/ENE	21/E	16/ENE	6/ESE	19/SW	30/SW	10/SSW	11/NNW	13/N	16/E	27/E	42/E	22/ENE	32/E	4/ESE	5/SSW	13/SW	18	42/E
11/13	6/WSW	20/WSW	12/W	15/SW	9/ENE	27/E	34/E	29/E	23/NE	10/NNE	5/N	9/S	33/WSW	30/W	24/W	20/NW	13/NNW	23/ENE	24/E	34/E	65/E	42/E	17/E	13/WSW	23	66/E
11/14	32/SW	31/WSW	33/WSW	12/WSW	9/WNW	18/E	28/E	37/E	54/ENE	46/E	17/E	5/E	9/WNW	21/SW	11/WSW	13/W	15/WNW	10/ENE	25/ENE	32/E	49/E	57/ENE	27/ENE	15/NE	25	57/ENE
11/15	11/NNW	11/WNW	16/W	13/WSW	14/WSW	6/WNW	21/ENE	35/E	37/E	33/ENE	17/ENE	8/NE	3/E	4/S	9/WSW	16/SW	18/SSW	12/WSW	15/ENE	16/N	40/E	9/ENE	5/E	8/SSW	16	40/E
11/16	4/ESE	18/SW	26/SW	20/WSW	17/W	14/W	11/SSE	19/ESE	22/ESE	8/E	11/NE	8/NE	6/NNE	9/WSW	20/WSW	28/SW	40/WSW	19/WSW	9/WNW	10/ENE	11/NE	25/E	41/E	25/E	18	41/E
11/17	35/ESE	19/SE	8/WSW	23/SSW	27/SW	16/WSW	9/NNE	21/ENE	35/ENE	47/ENE	42/NE	40/E	15/ENE	18/ENE	6/ENE	15/SSW	22/SW	22/WSW	20/WNW	14/NNE	39/NE	35/ENE	54/ENE	44/ENE	26	54/ENE
11/18	25/ENE	23/NE	13/WSW	54/SW	31/WSW	11/WSW	16/N	30/NE	26/ENE	62/E	54/E	49/E	62/E	20/E	9/NW	21/WSW	34/SW	11/W	11/W	5/NNW	21/ENE	15/NNW	14/NNE	35/ENE	27	62/E
11/19	11/NE	5/SSE	9/WNW	12/WSW	38/WSW	25/W	9/W	11/WNW	8/NNE	12/NNE	39/E	52/E	33/E	8/SSW	9/SW	14/SSW	30/SW	27/WSW	21/SW	9/SSE	10/SE	11/NNE	14/NNE	39/ENE	19	52/E
11/20	7/SW	39/ESE	20/E	8/NNE	16/WSW	17/W	7/W	11/SW	12/WNW	26/NE	4/W	40/E	44/E	45/ENE	11/NNE	15/E	8/S	11/SSW	28/SW	15/WNW	14/WNW	24/NNE	18/N	36/ENE	20	45/ENE
11/21	29/ENE	46/E	39/E	21/E	5/WSW	21/WSW	29/WSW	14/WNW	12/NW	8/WNW	20/ENE	10/NNW	6/E	12/ENE	14/ENE	9/E	8/SE	13/SW	26/SW	12/SW	9/SSW	7/E	9/ENE	6/ENE	16	46/E
11/22	8/ENE	26/NE	8/E	6/W	9/SE	8/WNW	16/WSW	19/WSW	9/SSW	11/W	14/ENE	10/ESE	28/E	50/E	43/E	27/E	28/ESE	21/ESE	8/NNE	17/W	11/SW	17/SSW	16/SSW	11/NE	17	50/E
11/23	7/NE	5/NE	48/E	34/E	28/E	13/E	6/ESE	18/SW	18/WSW	9/WSW	5/W	11/ENE	11/NE	5/NNE	15/ENE	18/E	6/E	5/SW	12/SW	11/SW	19/SSW	15/WSW	14/SSW	9/WSW	14	48/E
11/24	8/ENE	4/NNE	8/NE	26/E	28/ENE	23/E	6/N	11/W	19/SSW	16/SW	13/WSW	8/W	7/E	10/ESE	12/NNE	9/ENE	31/ENE	25/E	20/ENE	11/E	10/W	9/SW	11/WSW	6/W	14	31/ENE
11/25	5/E	7/ENE	13/ESE	7/ENE	14/E	31/E	14/E	9/ENE	4/E	10/WSW	7/WNW	12/S	8/NW	16/NNE	14/E	7/NE	9/ENE	7/NNE	7/NE	7/ESE	7/E	6/ESE	12/SW	13/SW	10	31/E
11/26	9/SSW	5/SW	6/ENE	9/NE	9/ENE	9/E	12/ENE	8/ENE	8/NE	6/ENE	4/WSW	11/SSW	5/SW	12/WSW	13/NNE	17/NE	6/NNE	12/E	12/NE	9/NNW	8/N	7/NNW	12/SW	18/WSW	10	18/WSW
11/27	16/W	6/SSW	5/SSW	8/E	14/ENE	5/E	6/NNW	9/N	6/SE	11/E	8/E	5/SW	10/WSW	14/WSW	21/W	6/NE	5/E	20/ESE	20/E	22/E	8/NE	27/E	7/E	15/SW	11	27/E
11/28	42/WSW	19/W	26/W	21/W	15/NNW	7/N	10/E	22/E	29/ESE	23/ENE	17/ESE	13/SSW	29/SW	43/SW	22/WSW	9/W	14/WNW	17/N	9/NNW	14/NE	44/E	30/ESE	10/E	8/SE	21	44/E
11/29	12/WSW	30/SW	8/WNW	17/WSW	13/NNE	12/E	23/ESE	54/E	49/E	30/E	7/NNE	5/WSW	10/SW	17/SW	11/WSW	9/WSW	4/N	14/ENE	37/E	39/ENE	36/E	36/E	28/E	13/ESE	22	54/E
11/30	15/W	32/WSW	15/W	5/S	12/WNW	20/ENE	25/ESE	48/E	48/E	31/ENE	20/E	15/ENE	8/W	8/W	8/WSW	10/SW	13/WNW	8/NW	9/ENE	7/NNW	13/NNE	32/ENE	17/ENE	14/ENE	18	48/E
平均值	19	19	18	18	17	17	18	24	24	25	22	19	20	18	14	15	18	17	20	20	24	21	21	21		
最大值	46/E	46/E	51/E	54/SW	38/WSW	34/E	41/E	54/E	54/ENE	62/E	54/E	52/E	62/E	50/E	43/E	34/E	41/E	38/E	44/E	59/WSW	66/E	58/E	54/ENE	44/ENE		

[註 1]: 月平均流速= **19cm/s**, 最大流速= **65m/s**, 其流向爲 **E** (去向)。流速分佈: **<25cm/s: 72.5%,25~50cm/s: 24.8%,50~70cm/s: 2.8%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 37.1%,E~S: 19.9%,S~W: 30.0%,W~N: 12.9%**, 流向主軸: **E - W** (佔 **29.8%**), 主流向: **E** (佔 **23.1%**)。每小時記錄一次, 本月計 **719**筆 **(100%)**, 資料檔名:**C09BKLX0.1HA**。

港灣技術研究中心

3.2　2009年臺北港逐時流速及流向月報表

表3.2.1　2008 年 12 月 臺北港測站 X 觀測逐時流速及流向月報表

2008年**12**月 **1**日 **0**時 **0**分 ~ **2008**年**12**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
12/01	25/ENE	49/ENE	67/ENE	72/ENE	60/ENE	31/ENE	29/WSW	42/WSW	69/WSW	59/WSW	55/SW	28/SW	11/S	17/E	45/ENE	52/ENE	66/NNE	42/NNE	49/N	63/NW	64/WNW	64/WNW	95/NW	33/W	49	95/NW
12/02	41/NNW	81/N	73/NE	86/NNE	67/NE	82/NNE	16/NE	59/NW	62/WNW	79/WNW	61/WNW	60/WNW	24/NW	79/N	48/NNE	54/NE	59/NE	82/NNE	71/N	19/N	39/W	63/WNW	54/W	49/WNW	59	86/NNE
12/03	36/NW	58/N	57/NE	86/NNE	74/NE	61/NE	41/NE	26/NNW	*	18/N	55/SW	*	*	40/SW	40/SW	40/SW	40/SW	40/SW	40/SW	55/SW	55/SW	55/SW	55/SW	40/SW	48	86/NNE
12/04	17/SW	3/ENE	18/ENE	33/ENE	66/ENE	60/NE	39/NE	22/ENE	16/WSW	32/WSW	49/WSW	35/SSW	44/SW	21/SSW	7/SSW	14/ENE	31/ENE	32/ENE	39/ENE	25/NE	1/NE	26/WSW	50/WSW	48/WSW	30	66/ENE
12/05	42/WSW	35/SW	13/WSW	6/NE	19/NE	28/NNW	*	25/NNW	20/S	42/WSW	67/SW	77/SW	68/SW	48/WSW	28/WSW	14/SW	9/ENE	13/NE	19/ENE	8/NE	13/NW	29/SW	45/SW	57/WSW	32	77/SW
12/06	59/WSW	49/SW	34/SW	16/SW	5/E	16/NE	18/ENE	15/ENE	3/NNE	44/W	42/WSW	54/SW	60/WSW	54/WSW	41/SW	20/SSW	0/SSE	19/ENE	29/ENE	35/ENE	31/NE	21/ENE	7/SE	28/WSW	29	60/WSW
12/07	35/WSW	47/SW	39/SW	28/SW	10/SSE	20/E	34/ENE	40/ENE	34/NE	44/ENE	19/ENE	11/SW	51/WSW	50/SW	47/WSW	37/SW	14/SSW	11/ENE	30/NE	55/ENE	60/ENE	57/ENE	39/ENE	14/NE	34	60/ENE
12/08	29/W	32/SW	42/SW	38/SW	18/SW	2/S	23/ENE	19/ENE	54/ENE	56/ENE	38/NE	21/NE	10/W	45/WSW	57/WSW	55/WSW	45/SW	14/SW	6/ENE	29/ENE	53/NE	56/NE	60/NE	41/ENE	35	60/NE
12/09	12/ENE	33/W	38/WSW	53/WSW	51/WSW	38/SW	12/SW	19/ENE	39/NE	23/NE	61/NE	44/NE	24/NE	12/W	48/WSW	67/WSW	55/SW	41/SW	19/SW	14/E	37/ENE	35/NE	73/ENE	60/NE	38	73/ENE
12/10	51/ENE	12/E	36/W	36/WSW	57/SW	52/WSW	34/SW	6/S	22/ENE	37/ENE	51/NE	62/NE	49/NE	36/NE	4/NW	47/WSW	63/WSW	48/SW	40/SW	15/SW	24/ENE	40/NE	62/NE	84/ENE	40	84/ENE
12/11	73/ENE	38/ENE	6/SW	48/WSW	52/WSW	62/SW	50/SW	36/SW	2/ESE	28/ENE	49/ENE	65/ENE	64/NE	50/NE	27/ENE	10/WSW	41/WSW	69/WSW	61/SW	43/SW	11/SW	29/ENE	55/ENE	82/NE	44	82/NE
12/12	93/NE	74/ENE	34/ENE	9/SW	52/WSW	69/SW	78/SW	63/SW	34/SW	16/S	27/ENE	44/ENE	70/NE	67/ENE	52/ENE	27/ENE	16/SW	50/WSW	68/SW	57/SW	35/SW	10/ESE	38/NE	57/NE	48	93/NE
12/13	92/NE	94/ENE	65/ENE	17/ENE	50/W	65/WSW	80/WSW	79/SW	61/SW	29/SW	12/E	32/ENE	43/NE	63/NE	65/NE	55/ENE	23/ENE	32/WSW	62/SW	74/SW	62/SW	38/SW	6/SE	36/ENE	52	94/ENE
12/14	59/NE	87/ENE	89/NE	75/ENE	20/E	58/W	63/SW	83/WSW	81/SW	51/SW	25/SSW	15/E	31/ENE	48/ENE	69/NE	57/NE	31/ENE	13/WNW	52/WSW	80/SW	74/SW	56/SW	25/SW	7/SE	52	89/NE
12/15	45/ENE	73/NE	85/NE	76/NE	53/ENE	7/E	47/WSW	79/SW	80/SW	71/SW	45/SW	20/SSW	21/ENE	43/ENE	56/NE	60/NE	48/NE	24/ENE	15/WSW	57/WSW	69/SW	62/SW	46/WSW	25/SW	50	85/NE
12/16	17/E	45/NE	75/ENE	85/NE	82/ENE	52/ENE	7/ESE	50/WSW	67/SW	70/SW	58/SW	36/SW	18/SSW	17/E	37/ENE	58/NE	72/NE	60/NE	32/ENE	12/WSW	48/WSW	66/SW	53/SW	40/SW	48	85/NE
12/17	11/SSW	26/ENE	56/ENE	81/ENE	87/NE	75/ENE	39/ENE	10/WSW	52/WSW	79/WSW	74/SW	60/SW	33/SW	17/SSW	17/E	33/ENE	65/NE	69/ENE	50/NE	33/ENE	2/SSE	52/W	65/WSW	53/SW	48	87/NE
12/18	34/SW	14/SW	23/ENE	50/ENE	62/NE	77/NE	54/NE	33/ENE	5/WSW	50/WSW	64/WSW	69/WSW	61/SW	32/SW	13/SSW	20/ENE	34/ENE	51/NE	54/NE	35/NE	7/NE	28/W	47/SW	58/WSW	41	77/NE
12/19	53/SW	43/SW	12/SW	15/E	42/ENE	65/NE	64/NE	56/NE	43/ENE	8/ENE	38/WSW	50/WSW	*	46/SW	27/SW	10/SE	29/ENE	*	*	*	*	*	*	*	37	65/NE
12/20	35/SW	22/SW	24/SW	9/W	10/ESE	18/ENE	38/NE	65/ENE	50/NE	26/NE	8/ENE	31/W	26/SSW	29/SW	27/SW	25/SSW	7/S	12/E	18/ENE	24/NE	57/ENE	44/NE	21/ENE	6/E	26	65/ENE
12/21	32/WSW	22/SSW	31/SW	26/WSW	23/WSW	6/S	13/NE	15/NE	36/NNE	46/ENE	24/NE	8/E	14/SW	21/SW	28/SW	32/SW	14/SW	10/SSW	14/ENE	19/E	47/NE	55/NE	46/NE	15/NE	25	55/NE
12/22	37/W	47/WSW	61/WSW	*	*	*	19/WSW	9/WSW	*	*	*	*	*	64/WSW	*	*	*	*	*	*	*	10/NNE	12/NE	12/NNW	30	64/WSW
12/23	8/WSW	36/WSW	55/WSW	66/WSW	61/SW	47/SW	*	*	8/E	20/ENE	29/ENE	25/NE	10/NE	47/W	36/WSW	52/WSW	52/SW	43/WSW	23/SW	4/S	20/NE	38/NE	60/NE	67/NE	37	67/NE
12/24	57/NE	37/ENE	32/W	31/WSW	36/SW	56/SW	42/SW	23/SSW	8/ESE	23/ENE	32/ENE	62/NE	67/NE	55/ENE	27/ENE	8/SE	33/WSW	32/SW	35/SW	19/SW	6/E	33/NE	30/NE	84/NE	36	84/NE
12/25	73/NE	59/ENE	25/ENE	39/W	45/WSW	63/SW	68/SW	44/SW	17/SW	5/N	18/NE	33/NE	51/NE	39/NE	17/NE	15/W	38/W	58/WSW	60/SW	58/SW	29/SW	4/SSE	23/ENE	43/ENE	38	73/NE
12/26	*	51/NE	29/NE	15/WNW	48/WSW	66/WSW	66/WSW	67/SW	45/SW	16/SW	5/SE	29/ENE	38/ENE	44/NE	28/NE	11/NE	51/W	55/WSW	64/WSW	53/SW	34/SW	7/SSW	20/ENE	47/ENE	39	67/SW
12/27	70/NE	72/NE	65/ENE	39/ENE	29/W	35/SW	52/SW	64/SW	49/SW	25/SW	4/SE	26/ENE	42/NE	57/NE	69/NE	55/NE	33/ENE	6/S	38/WSW	50/WSW	38/SW	25/WSW	1/NE	26/NE	40	72/NE
12/28	54/NE	87/NE	73/NE	52/ENE	12/ENE	54/W	52/WSW	65/SW	58/SW	44/SW	15/SW	14/NE	39/ENE	68/NE	62/ENE	70/ENE	46/ENE	9/E	40/W	39/WSW	46/SW	35/SW	17/SW	16/ENE	44	87/NE
12/29	34/ENE	73/NE	87/NE	63/ENE	36/ENE	6/WSW	54/WSW	59/WSW	70/WSW	59/SW	36/SW	14/SW	15/ENE	41/NE	56/NE	53/NE	36/NE	4/NE	46/W	53/SW	68/WSW	58/SW	33/SW	9/SW	44	87/NE
12/30	24/ENE	46/ENE	65/NE	67/NE	52/NE	16/NE	50/W	57/WSW	75/SW	66/WSW	49/SW	23/SW	9/SE	26/ENE	41/ENE	44/NE	*	4/NNW	40/WNW	68/SW	73/WSW	72/SW	47/SW	21/SW	45	75/SW
12/31	8/E	25/NE	47/NE	48/NE	*	9/NE	50/W	51/WSW	78/SW	72/SW	62/SW	37/SW	16/SSW	17/ENE	33/ENE	39/ENE	38/NE	15/NNE	60/W	67/W	74/WSW	64/WSW	54/SW	36/SW	44	78/SW
平均值	42	47	47	46	44	43	43	43	43	41	39	37	36	42	38	38	38	33	40	40	41	41	41	40		
最大值	93/NE	94/ENE	89/NE	86/NNE	87/NE	82/NNE	80/WSW	83/WSW	81/SW	79/WNW	74/SW	77/SW	70/NE	79/N	69/NE	70/ENE	72/NE	82/NNE	71/N	80/SW	74/WSW	72/SW	95/NW	84/NE		

[註 1]: 月平均流速= **41cm/s**, 最大流速= **95m/s**, 其流向爲 **NW**(去向)。流速分佈: **<25cm/s: 27.7%,25~50cm/s: 35.3%,50~70cm/s: 32.0%,75~100cm/s: 5.1%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 45.2%,E~S: 3.8%,S~W: 45.4%,W~N: 5.6%**, 流向主軸: **SW- NE**(佔 **44.8%**), 主流向: **SW**(佔 **24.4%**)。每小時記錄一次, 本月計 **712**筆 (**96%**), 資料檔名:**C08CTPX0.1HA**。

港灣技術研究中心

表3.2.2　2009 年 01 月 臺北港測站 X 觀測逐時流速及流向月報表

2009年 **1**月 **1**日 **0**時 **0**分 ～ **2009**年 **1**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
01/01	5/S	15/ENE	38/ENE	50/NE	51/NE	37/NE	34/WNW	35/WSW	62/WSW	72/SW	67/SW	44/SW	25/SW	8/E	30/ENE	45/ENE	51/NE	36/NE	10/NE	60/W	64/WSW	62/WSW	60/SW	53/SW	42	72/SW
01/02	20/SW	8/ENE	31/ENE	49/ENE	58/NE	54/NE	*	39/WNW	44/WSW	68/SW	63/SW	56/SW	35/WSW	13/SSW	13/ENE	37/ENE	49/NE	48/NE	33/NE	9/NE	50/W	51/WSW	55/SW	48/SW	41	68/SW
01/03	39/SW	10/SW	17/ENE	36/NE	56/NE	*	64/NE	40/ENE	6/ENE	30/WSW	56/WSW	66/SW	55/SW	27/SW	2/ESE	21/NE	42/NE	58/NE	59/NE	49/ENE	24/NE	54/W	45/WSW	55/SW	40	66/SW
01/04	52/SW	34/SW	13/SSW	20/ENE	42/NE	53/NE	65/NE	54/NE	27/ENE	17/W	31/WSW	44/SW	51/SW	43/SW	23/SSW	9/E	31/ENE	47/NE	57/NE	61/NE	48/NE	20/ENE	*	38/WSW	38	65/NE
01/05	51/SW	55/SW	35/WSW	11/SSW	16/ENE	38/ENE	48/NE	50/NE	41/NE	18/NE	52/W	46/WSW	63/SW	55/WSW	42/SW	24/SW	8/SE	22/ENE	35/NE	48/NE	42/NE	32/NE	2/E	46/W	37	63/SW
01/06	48/WSW	67/SW	47/SW	43/SW	22/SW	1/E	21/ENE	29/NE	33/NE	28/NE	*	23/WSW	41/WSW	64/WSW	56/SW	53/SW	24/SW	1/SSE	23/NE	40/ENE	46/NE	34/N	27/NNW	33/NW	35	67/SW
01/07	44/WNW	47/W	59/WSW	58/WSW	49/SW	19/SW	6/SSE	17/ENE	31/ENE	37/NE	36/NE	21/NNW	26/NW	26/W	52/WSW	55/WSW	46/WSW	30/SW	15/SW	*	*	48/NE	51/NE	26/NW	36	59/WSW
01/08	*	34/WNW	47/W	65/SW	61/WSW	55/SW	32/SW	7/S	4/NE	31/NE	*	32/NE	23/WNW	*	35/W	58/WSW	57/SW	50/SW	34/SW	14/SSW	*	*	*	60/NE	39	65/SW
01/09	51/NE	*	*	*	63/SW	69/SW	55/SW	29/SW	7/SSW	21/E	37/ENE	46/NE	39/NE	34/NE	51/WNW	*	62/SW	58/SW	51/SW	39/SW	9/SSW	27/ENE	51/NE	72/NE	43	72/NE
01/10	81/NE	80/ENE	*	36/W	53/W	78/SW	78/SW	53/SW	26/SW	8/S	27/ENE	44/NE	56/NE	*	*	*	*	49/SW	75/SW	60/SW	30/SW	4/ESE	28/ENE	65/NE	49	81/NE
01/11	87/NE	97/NE	*	43/E	*	47/SW	53/WSW	74/SW	49/SW	17/SW	12/NE	48/ENE	66/NE	73/NE	81/NE	66/ENE	37/ENE	55/W	43/SW	69/WSW	56/SW	23/SSW	15/ENE	55/NE	53	97/NE
01/12	87/NE	106/NE	94/ENE	63/ENE	*	59/WSW	82/WSW	86/SW	76/SW	44/SW	19/SSW	16/ENE	36/ENE	52/ENE	*	52/NE	*	*	41/SW	79/SW	71/SW	49/SW	22/SW	15/ENE	57	106/NE
01/13	44/ENE	*	*	85/ENE	*	1/SE	*	76/SW	79/SW	66/SW	37/SW	14/S	28/ENE	46/ENE	75/NE	78/NE	71/NE	*	*	71/W	70/WSW	62/SW	47/SW	14/SSW	53	85/ENE
01/14	22/ENE	60/ENE	91/NE	107/NE	*	42/ENE	3/SE	47/WSW	72/SW	78/SW	63/SW	21/SSW	12/SSE	29/ENE	46/NE	70/NE	72/NE	*	21/ENE	24/SW	60/SW	68/WSW	64/SW	41/SW	51	107/NE
01/15	9/S	27/ENE	59/NE	86/NE	*	*	*	18/WSW	51/WSW	81/WSW	68/SW	52/SW	25/SW	7/SSE	33/ENE	49/NE	*	*	59/ENE	15/ENE	*	56/SW	72/WSW	56/SW	46	86/NE
01/16	33/SW	6/SE	38/NE	52/NE	88/NE	90/ENE	61/ENE	33/E	26/WSW	45/WSW	57/SW	58/SW	43/SW	11/S	14/E	43/ENE	74/NE	80/NE	66/ENE	47/ENE	16/ENE	47/W	49/WSW	61/WSW	47	90/ENE
01/17	50/SW	28/WSW	7/E	33/NE	55/NE	83/NE	74/ENE	56/ENE	21/ENE	32/W	42/WSW	52/SW	43/SW	37/SW	12/SSW	22/ENE	42/NE	67/NE	79/NE	69/ENE	39/NE	17/ENE	33/W	38/WSW	43	83/NE
01/18	25/SW	27/WSW	6/SSE	9/E	26/ENE	33/ENE	67/ENE	60/ENE	40/ENE	13/E	29/WSW	34/WSW	35/WSW	37/SW	29/S	9/S	13/E	34/ENE	35/NE	60/ENE	47/ENE	13/N	7/SE	30/WSW	30	67/ENE
01/19	39/WSW	39/SW	42/SW	28/SW	6/SSE	16/E	25/NE	38/NE	28/ENE	18/ENE	5/WNW	37/WSW	56/WSW	57/SW	51/SW	33/SW	8/S	7/ENE	29/NE	47/NE	46/NE	45/ENE	27/ENE	25/WNW	31	57/SW
01/20	23/WSW	34/SW	50/SW	43/SW	24/SW	9/SSW	16/ENE	29/ENE	32/ENE	37/NE	29/ENE	18/ENE	15/WNW	25/WSW	32/WSW	36/SW	29/SW	10/SW	6/ENE	35/NE	50/NE	57/NE	44/NE	37/ENE	30	57/NE
01/21	15/E	17/WSW	24/SW	25/SW	29/SW	31/SW	12/SW	9/SSE	2/N	5/ENE	30/NE	25/NE	10/E	7/SSW	27/WSW	28/WSW	40/SW	36/SW	20/SW	4/S	11/NE	40/NE	46/ENE	60/NE	23	60/NE
01/22	41/ENE	19/ENE	23/W	28/SW	48/SW	39/SW	40/SW	21/SW	4/E	18/E	17/ENE	45/NE	43/NE	32/ENE	13/E	27/W	34/WSW	32/SW	35/SW	16/SW	3/SSE	29/NE	52/NE	64/ENE	30	64/ENE
01/23	65/ENE	50/ENE	19/ENE	42/W	53/SW	66/SW	49/SW	40/SW	22/SW	2/E	12/NE	22/ENE	31/NE	21/NNE	10/SE	*	*	72/WSW	62/SW	*	*	*	*	18/ENE	36	72/WSW
01/24	*	*	9/SSE	*	54/WSW	77/WSW	72/SW	58/SW	36/SW	18/SW	4/ENE	20/ENE	28/NE	25/NE	16/N	6/W	*	55/WSW	60/WSW	48/SW	29/SW	2/SSE	24/ENE	46/ENE	34	77/WSW
01/25	54/NE	*	49/ENE	20/ENE	23/W	37/SW	56/SW	57/SW	40/SW	17/SSW	12/ENE	33/NE	49/NE	66/NE	63/NE	49/ENE	12/NE	40/W	45/WSW	59/SW	41/SW	24/SW	17/ENE	36/NE	39	66/NE
01/26	68/NE	87/NE	77/ENE	40/ENE	4/SSW	61/WSW	73/WSW	65/SW	59/SW	30/SW	15/SSW	17/E	33/ENE	54/NE	49/NE	43/NE	18/NE	24/WSW	54/SW	68/SW	61/SW	41/SW	5/SSE	22/ENE	44	87/NE
01/27	48/ENE	*	75/NE	61/NE	32/ENE	*	44/WSW	72/WSW	75/SW	49/SW	24/SSW	3/SE	28/NE	47/NE	54/NE	50/NE	*	5/N	47/W	63/SW	62/WSW	49/SW	20/SSW	12/E	44	75/NE
01/28	40/ENE	70/NE	89/NE	91/NE	55/ENE	*	35/WSW	52/SW	61/SW	63/SW	36/SW	9/SSE	25/ENE	54/ENE	75/NE	76/NE	64/ENE	39/ENE	*	43/WSW	61/SW	47/SW	42/SW	7/S	51	91/NE
01/29	24/ENE	58/NE	97/NE	94/NE	74/ENE	38/ENE	21/WSW	41/SW	60/SW	70/SW	49/SW	13/SW	16/ENE	41/ENE	70/NE	82/NE	77/ENE	60/ENE	25/E	22/WSW	45/SW	36/SW	47/WSW	22/SW	49	97/NE
01/30	5/E	37/NE	79/NE	87/NE	80/ENE	66/ENE	14/ENE	39/W	54/WSW	68/WSW	69/SW	42/SW	7/S	23/ENE	33/ENE	68/NE	72/NE	58/ENE	40/ENE	11/SSE	48/WSW	77/WSW	69/SW	45/SW	50	87/NE
01/31	13/S	15/E	38/ENE	59/NE	66/NE	*	37/ENE	41/W	39/WSW	69/WSW	78/SW	53/SW	25/SW	6/E	27/NE	52/NE	62/NE	58/NE	*	14/NE	41/WSW	53/WSW	69/WSW	59/SW	44	78/SW
平均值	41	43	46	51	46	46	44	44	39	38	37	34	34	35	38	44	44	42	41	43	43	40	39	41		
最大值	87/NE	106/NE	97/NE	107/NE	88/NE	90/ENE	82/WSW	86/SW	79/SW	81/WSW	78/SW	66/SW	66/NE	73/NE	81/NE	82/NE	77/ENE	80/NE	79/NE	79/SW	71/SW	77/WSW	72/WSW	72/NE		

[註 **1**]: 月平均流速= **41cm/s**, 最大流速= **107m/s**, 其流向爲 **NE**(去向)。流速分佈: <**25cm/s: 26.1%**,**25**~**50cm/s: 38.8%**,**50**~**70cm/s: 28.6%**,**75**~**100cm/s: 6.1%**,>**100cm/s: .3%**。

[註 **2**]: 流向分佈: **N**~**E: 45.5%**,**E**~**S: 5.3%**,**S**~**W: 46.1%**,**W**~**N: 3.1%**, 流向主軸: **SW- NE**(佔 **49.9%**), 主流向: **SW**(佔 **27.0%**)。每小時記錄一次, 本月計 **685**筆 (**92%**), 資料檔名:**C091TPX0.1HA**。

港灣技術研究中心

表3.2.3　2009 年 02 月 臺北港測站 X 觀測逐時流速及流向月報表

2009年 **2**月 **1**日 **0**時 **0**分 ～ **2009**年 **2**月**28**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
02/01	31/SW	2/S	24/NE	40/NE	66/NE	69/NE	*	26/NE	47/W	49/WSW	68/WSW	67/WSW	29/SW	15/WSW	20/ENE	44/ENE	78/NE	92/NE	84/ENE	58/ENE	9/ESE	45/W	46/SW	59/WSW	46	92/NE
02/02	42/SW	25/SW	*	24/ENE	21/ENE	76/NE	75/ENE	55/ENE	20/ENE	36/W	39/WSW	42/SW	41/SW	32/SW	5/SSW	18/ENE	29/NE	80/NE	71/NE	74/ENE	41/ENE	2/NW	39/WSW	47/SW	41	80/NE
02/03	37/SW	39/WSW	26/WSW	8/SW	13/ENE	34/NE	64/NE	53/NE	38/ENE	24/ENE	28/W	29/WSW	35/WSW	49/SW	30/SW	11/SSW	13/ENE	33/ENE	71/NE	70/NE	55/ENE	30/ENE	5/SW	35/WSW	35	71/NE
02/04	48/WSW	52/SW	46/SW	24/SW	2/ENE	16/ENE	36/NE	53/NE	48/NE	36/NE	15/ENE	34/W	40/WSW	60/SW	49/SW	32/SW	10/SW	16/ENE	40/NE	55/NE	62/NE	65/NE	36/ENE	18/W	37	65/NE
02/05	24/WSW	35/SW	44/WSW	40/SW	26/SW	10/SW	11/ENE	27/NE	39/NE	47/NE	38/NE	18/ENE	26/W	33/W	44/WSW	48/SW	38/SW	13/SW	*	*	*	*	*	*	31	48/SW
02/06	*	41/W	41/WSW	61/WSW	67/SW	49/SW	16/SW	6/S	15/ENE	26/ENE	34/NE	32/NE	19/NE	7/SW	42/WSW	44/SW	53/WSW	47/SW	26/SW	7/SSE	20/ENE	47/NE	70/NE	75/NE	37	75/NE
02/07	57/NE	27/ENE	31/W	36/WSW	64/WSW	70/SW	51/SW	31/SW	7/SE	24/ENE	40/NE	42/NE	52/NE	36/NE	16/ENE	21/WSW	46/WSW	60/SW	51/SW	32/SW	6/S	29/ENE	52/ENE	84/NE	40	84/NE
02/08	83/ENE	74/ENE	29/ENE	39/W	44/WSW	58/SW	81/WSW	55/SW	28/SW	13/SSE	30/ENE	51/NE	69/NE	68/NE	54/NE	25/ENE	59/W	*	72/SW	58/SW	36/SW	5/ESE	35/NE	61/NE	49	83/ENE
02/09	100/NE	95/ENE	68/ENE	18/E	45/WSW	61/WSW	66/SW	77/SW	45/SW	17/SSW	19/E	41/ENE	71/NE	68/NE	79/NE	43/ENE	25/ESE	22/WSW	48/WSW	30/WSW	38/SW	19/SW	21/ENE	55/NE	49	100/NE
02/10	85/NE	96/NE	90/ENE	59/ENE	3/NNE	59/WSW	86/WSW	85/SW	70/SW	46/SW	11/SSE	21/ENE	46/ENE	66/NE	78/NE	73/NE	49/ENE	3/ESE	63/W	70/WSW	69/SW	42/SW	11/SSW	28/NE	55	96/NE
02/11	57/ENE	90/NE	109/ENE	94/ENE	42/NE	4/WSW	59/W	70/WSW	85/SW	63/SW	30/SW	16/ESE	39/ENE	66/NE	77/NE	86/ENE	67/ENE	31/ENE	14/SW	56/WSW	57/WSW	60/SW	36/SW	5/SE	55	109/ENE
02/12	33/NE	80/NE	84/NE	93/ENE	78/ENE	36/ENE	26/W	59/WSW	80/WSW	77/SW	52/SW	21/SW	18/ENE	43/NE	83/NE	68/NE	74/ENE	54/ENE	19/E	52/W	55/WSW	55/WSW	57/SW	25/SSW	55	93/ENE
02/13	*	43/ENE	81/NE	69/NE	99/ENE	65/ENE	23/ENE	50/W	57/WSW	73/WSW	69/SW	44/SW	13/SSW	21/ENE	59/ENE	92/ENE	100/ENE	77/ENE	44/ENE	5/S	53/WSW	68/WSW	53/WSW	48/SW	57	100/ENE
02/14	14/SW	17/ENE	41/NE	78/NE	89/ENE	86/ENE	52/ENE	11/ENE	45/W	59/WSW	50/SW	54/SW	28/SW	7/E	31/ENE	71/NE	90/NE	81/ENE	64/ENE	21/E	38/WSW	50/WSW	60/WSW	57/SW	50	90/NE
02/15	41/SW	9/SSW	21/NE	47/NE	72/NE	64/NE	49/ENE	28/ENE	12/WSW	41/WSW	56/WSW	52/SW	39/SW	11/SSW	16/ENE	43/ENE	62/NE	75/NE	61/ENE	44/NE	3/ENE	38/W	47/WSW	55/SW	41	75/NE
02/16	44/SW	21/WSW	3/SE	25/ENE	34/ENE	49/NE	40/NE	36/NE	8/N	51/W	48/WSW	57/WSW	57/SW	39/SW	18/SW	4/NE	*	*	*	31/NE	7/NNW	*	54/SW	*	33	57/WSW
02/17	61/SW	55/SW	35/SW	22/SW	3/E	9/ENE	*	*	*	14/WSW	40/SW	51/WSW	55/SW	45/WSW	29/SW	16/SW	6/E	11/NE	23/ENE	24/NE	12/NE	*	48/W	48/WSW	30	61/SW
02/18	51/WSW	44/SW	37/SW	*	12/SW	4/SE	9/ENE	17/NE	*	3/NNE	8/W	34/WSW	37/SW	40/SW	36/WSW	27/SW	9/WSW	10/NE	22/ENE	36/NE	40/NE	35/NE	22/ENE	11/NW	25	51/WSW
02/19	8/WSW	22/WSW	34/SW	17/SW	24/SW	12/SSW	8/ESE	16/ENE	24/ENE	29/ENE	32/ENE	36/ENE	23/ENE	3/NW	11/WSW	11/SW	15/SW	11/WSW	4/ENE	25/NE	43/ENE	47/ENE	59/ENE	38/NE	23	59/ENE
02/20	23/ENE	11/WNW	17/SW	27/WSW	33/SW	55/SW	52/SW	32/SW	14/S	10/E	16/ENE	8/ENE	6/SW	51/W	41/WSW	54/WSW	51/SW	44/WSW	37/SW	15/SW	2/SSW	13/NE	27/NE	25/NE	28	55/SW
02/21	14/NNE	47/W	59/W	60/WSW	65/WSW	59/SW	55/WSW	36/SW	9/SW	6/N	27/NE	37/ENE	34/ENE	26/NE	16/ENE	30/WNW	28/WSW	39/SW	35/WSW	24/SW	6/SSW	16/NNW	44/ENE	59/ENE	34	65/WSW
02/22	63/NE	58/ENE	31/ENE	21/W	31/WSW	36/SW	53/WSW	34/SW	32/W	4/S	11/ENE	28/NE	38/E	53/NE	36/ENE	34/ESE	33/SE	19/SW	23/SW	30/SW	26/SW	12/S	15/ENE	51/NE	32	63/NE
02/23	73/ENE	59/NE	57/ENE	12/ENE	36/W	41/WSW	32/WSW	46/SW	37/SW	*	7/NE	24/NE	54/ENE	46/NE	58/ENE	36/ENE	5/ESE	41/W	54/WSW	51/SW	51/SW	17/SW	11/ENE	34/NE	38	73/ENE
02/24	59/NE	77/NE	49/ENE	36/ENE	1/W	42/WSW	51/WSW	49/SW	49/SW	22/SSW	10/SSE	19/ENE	30/ENE	62/NE	67/ENE	40/ENE	29/ENE	11/S	41/WSW	35/SW	40/SW	19/SSW	11/E	26/ENE	36	77/NE
02/25	42/NE	65/NE	75/ENE	57/ENE	13/ENE	50/W	56/WSW	82/W	59/SW	36/SW	6/SW	14/NE	37/NE	69/NE	54/NE	57/ENE	21/ENE	17/ESE	53/WSW	73/SW	73/SW	48/SW	16/SW	18/ENE	45	82/W
02/26	51/ENE	75/NE	90/NE	77/ENE	36/ENE	10/W	54/WSW	74/SW	72/SW	55/SW	26/SW	9/ESE	34/ENE	54/NE	77/NE	67/NE	55/ENE	19/ENE	53/WSW	67/WSW	69/SW	58/SW	28/SW	8/ESE	51	90/NE
02/27	36/ENE	57/ENE	90/NE	83/ENE	60/ENE	12/ESE	52/WSW	58/WSW	69/SW	64/SW	37/SW	10/SSW	27/ENE	56/ENE	81/NE	81/NE	69/ENE	19/ENE	19/SW	42/WSW	67/SW	70/SW	47/SW	16/SW	51	90/NE
02/28	*	41/ENE	68/NE	75/NE	63/NE	38/ENE	14/SW	66/W	70/WSW	70/SW	52/SW	24/SW	10/ESE	34/ENE	53/ENE	68/NE	64/NE	43/NE	6/N	60/WSW	79/SW	72/WSW	60/SW	30/SW	51	79/SW
平均值	47	48	51	46	41	42	45	46	41	37	32	33	36	41	45	44	44	37	42	42	39	38	37	39		
最大值	100/NE	96/NE	109/ENE	94/ENE	99/ENE	86/ENE	86/WSW	85/SW	85/SW	77/SW	69/SW	67/WSW	71/NE	69/NE	83/NE	92/ENE	100/ENE	92/NE	84/ENE	74/ENE	79/SW	72/WSW	70/NE	84/NE		

[註 **1**]: 月平均流速= **41cm/s**, 最大流速= **109m/s**, 其流向爲 **ENE**(去向)。流速分佈: **<25cm/s: 28.1%,25~50cm/s: 35.0%,50~70cm/s: 28.7%,75~100cm/s: 7.9%,>100cm/s: .3%**。

[註 **2**]: 流向分佈: **N~E: 46.0%,E~S: 4.3%,S~W: 46.9%,W~N: 2.8%**, 流向主軸: **SW- NE**(佔 **45.2%**), 主流向: **SW**(佔 **24.8%**)。每小時記錄一次, 本月計 **648**筆 (**96%**), 資料檔名:**C092TPX0.1HA**。

表3.2.4　2009 年 03 月 臺北港測站 X 觀測逐時流速及流向月報表

2009年 **3**月 **1**日 **0**時 **0**分 ～ **2009**年 **3**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
03/01	7/S	22/ENE	48/ENE	62/NE	62/NE	40/NE	7/N	60/W	68/WSW	72/SW	64/SW	38/SW	16/SSW	17/ENE	44/ENE	61/NE	60/NE	46/NE	16/NE	63/W	59/WSW	73/SW	68/SW	56/SW	47	73/SW
03/02	28/SW	8/SE	29/ENE	44/ENE	51/NE	48/NE	27/ENE	11/WNW	49/WSW	70/SW	69/SW	52/SW	25/SW	3/SSE	32/ENE	58/ENE	73/NE	75/ENE	61/ENE	15/NE	52/W	50/WSW	64/WSW	58/SW	44	75/ENE
03/03	37/SW	12/SW	17/ENE	39/ENE	54/ENE	65/NE	56/NE	32/ENE	8/SW	47/WSW	54/SW	56/SW	39/SW	22/SSW	14/ENE	30/NE	52/NE	63/NE	60/ENE	42/ENE	8/NE	58/WSW	65/WSW	64/SW	41	65/NE
03/04	48/SW	35/SW	12/SSW	14/ENE	33/NE	62/NE	58/NE	50/NE	37/ENE	10/E	44/W	52/WSW	46/SW	33/SW	24/SW	7/SSE	14/ENE	70/NE	81/NE	76/ENE	58/ENE	20/ENE	38/W	47/WSW	40	81/NE
03/05	43/WSW	43/SW	29/SW	6/SSE	3/NNE	19/ENE	51/NE	54/ENE	47/NE	33/ENE	20/ENE	5/S	22/SW	29/SW	26/SW	17/SW	22/SE	30/E	61/ENE	75/ENE	62/ENE	46/ENE	26/NE	22/W	33	75/ENE
03/06	36/WSW	50/WSW	65/WSW	51/SW	28/SW	11/WSW	5/ESE	11/NE	25/ENE	24/NE	6/NE	47/WNW	38/WSW	56/WSW	57/WSW	60/SW	44/SW	18/SW	4/WSW	12/NE	29/NE	29/NE	20/NE	52/W	32	65/WSW
03/07	48/W	54/WSW	67/WSW	67/SW	64/SW	35/SW	17/SSW	5/SW	12/NE	28/ENE	33/NE	24/NE	1/WNW	53/W	38/WSW	56/WSW	52/WSW	39/SW	20/SW	5/E	24/ENE	46/NE	64/NE	64/NE	38	67/WSW
03/08	45/NE	21/NW	31/W	39/WSW	69/WSW	63/SW	44/SW	24/SW	7/ESE	28/NE	30/ENE	61/NE	55/NE	40/NE	45/W	35/W	47/WSW	63/WSW	54/SW	27/SW	2/SSE	29/NE	63/NE	86/NE	42	86/NE
03/09	78/ENE	74/ENE	29/E	31/WSW	52/SW	80/SW	67/SW	43/SW	17/SSW	*	37/ENE	59/ENE	76/NE	76/NE	57/ENE	12/NNW	33/WSW	54/WSW	72/SW	54/SW	30/SW	14/E	43/ENE	72/NE	50	80/SW
03/10	89/NE	101/ENE	70/ENE	22/WNW	29/WSW	66/WSW	70/WSW	69/SW	35/SW	9/SSW	27/NNE	59/NE	77/NE	86/NE	70/NE	53/ENE	15/W	41/WSW	58/WSW	62/WSW	49/SW	12/SW	22/ENE	50/NE	52	101/ENE
03/11	85/NE	97/NE	80/NE	47/ENE	33/W	46/WSW	58/WSW	58/WSW	55/SW	18/SW	9/ENE	41/ENE	77/NE	92/NE	103/ENE	66/ENE	17/ENE	52/W	66/WSW	75/WSW	67/SW	41/SW	11/SSW	26/NE	55	103/ENE
03/12	67/NE	95/NE	95/ENE	88/ENE	32/ENE	47/W	51/WSW	69/SW	58/SW	50/SW	21/SW	16/E	17/NE	82/NE	98/NE	88/ENE	49/ENE	4/ESE	48/WSW	65/WSW	53/WSW	56/SW	32/SW	8/SSE	54	98/NE
03/13	29/NE	73/NE	87/NE	97/ENE	60/ENE	19/ENE	48/W	63/WSW	62/SW	60/SW	40/SW	17/S	33/ENE	62/ENE	83/NE	103/ENE	73/ENE	20/ENE	25/WSW	64/WSW	78/SW	77/SW	50/SW	24/WSW	56	103/ENE
03/14	7/ESE	41/ENE	51/NE	58/NE	47/NE	17/NNE	41/W	63/SW	82/WSW	72/SW	57/SW	25/SW	8/ENE	38/NE	57/NE	65/NE	59/NE	34/NE	48/W	44/WSW	78/WSW	77/SW	65/SW	30/SW	48	82/WSW
03/15	2/SW	30/ENE	49/NE	78/NE	72/NE	56/NE	28/ENE	40/W	48/WSW	58/SW	60/SW	34/SW	5/E	26/ENE	41/ENE	86/NE	82/NE	76/ENE	28/E	34/W	61/W	55/WSW	49/WSW	41/SW	47	86/NE
03/16	19/SW	16/ENE	36/NE	64/NE	68/NE	73/ENE	47/ENE	20/E	36/W	46/WSW	35/SW	33/WSW	19/SSE	7/SE	28/NE	41/NE	82/NE	68/ENE	29/ENE	25/ENE	35/W	38/WSW	64/W	41/WSW	40	82/NE
03/17	21/SW	14/SW	9/ENE	27/ENE	51/NE	60/ENE	53/NE	36/ENE	17/E	21/WSW	24/SW	27/WSW	38/SW	*	10/SE	25/ENE	18/NE	65/NE	37/NE	25/ENE	18/E	28/W	30/WSW	20/SW	29	65/NE
03/18	29/WSW	33/SW	23/SE	5/ENE	9/ENE	27/ENE	48/ENE	35/NE	24/ENE	14/ESE	25/W	31/WSW	31/WSW	31/SW	17/WSW	3/W	23/NE	38/NE	58/ENE	38/ENE	39/ENE	24/ENE	15/WSW	27/SW	27	58/ENE
03/19	29/WSW	32/SW	35/WSW	17/SW	7/SSE	8/SE	13/NNE	19/NE	35/ENE	25/ENE	12/ESE	8/W	14/WSW	21/WSW	22/SE	11/S	7/E	20/ENE	36/ENE	53/ENE	40/ENE	18/E	17/ENE	10/WNW	21	53/ENE
03/20	20/WSW	24/WSW	28/WSW	25/SW	20/WSW	8/SW	7/ESE	18/NE	15/NE	36/NE	30/NE	7/NE	25/WSW	42/WSW	40/WSW	43/SW	21/SW	8/WSW	5/NNE	24/ENE	30/NE	33/NE	36/NE	17/NW	23	43/SW
03/21	16/WNW	21/SW	36/SW	28/SW	38/SW	25/WSW	10/SSW	6/E	16/ENE	36/NE	40/NE	36/ENE	20/ENE	20/ESE	15/SSW	17/WSW	19/SW	16/SW	9/S	8/NE	27/NE	54/ENE	54/ENE	55/ENE	26	55/ENE
03/22	42/ENE	33/ENE	12/ESE	25/SW	30/WSW	37/SW	27/SSW	10/S	24/ENE	48/ENE	72/ENE	80/ENE	70/ENE	42/ENE	13/ENE	4/SSW	24/WSW	24/WSW	16/WSW	7/SE	13/ENE	25/NE	49/NE	55/NE	33	80/ENE
03/23	39/ENE	18/ENE	20/WSW	51/WSW	66/WSW	61/SW	62/SW	37/SW	18/SW	8/ESE	28/ENE	42/ENE	46/NE	35/NE	12/ENE	19/WSW	42/WSW	54/WSW	53/WSW	43/SW	16/SW	9/E	32/ENE	45/NE	36	66/WSW
03/24	53/NE	39/NE	14/NE	55/W	51/WSW	75/WSW	66/WSW	50/SW	23/SW	11/E	25/ENE	49/ENE	58/NE	56/NE	39/ENE	14/ENE	42/W	47/WSW	61/SW	45/WSW	30/SW	4/SSE	28/ENE	47/ENE	41	75/WSW
03/25	70/NE	69/NE	49/ENE	14/ENE	51/W	57/WSW	58/SW	59/SW	45/SW	16/SSW	11/E	35/NE	54/NE	57/NE	44/NE	19/NE	58/W	57/WSW	70/WSW	52/SW	38/SW	11/SSW	15/ENE	45/NE	44	70/WSW
03/26	62/NE	70/NE	53/NE	36/NE	13/WSW	46/WSW	62/WSW	61/WSW	48/SW	22/WSW	12/NE	37/NE	61/NE	80/NE	70/NE	47/ENE	9/NNE	61/W	60/WSW	68/WSW	47/WSW	32/WSW	9/ESE	40/NE	46	80/NE
03/27	52/NE	69/NE	75/NE	38/NE	9/ENE	37/W	53/WSW	48/WSW	51/SW	31/SW	8/ESE	36/ENE	51/ENE	74/ENE	84/ENE	64/ENE	24/ENE	14/SW	47/WSW	67/SW	59/WSW	44/SW	9/SSW	13/ENE	44	84/ENE
03/28	45/ENE	71/NE	85/NE	67/ENE	41/ENE	3/S	49/WSW	60/WSW	55/SW	44/SW	21/SSW	14/ENE	46/ENE	75/NE	88/NE	88/ENE	51/ENE	5/SW	53/WNW	68/WSW	70/SW	67/SW	32/SW	8/S	50	88/NE
03/29	26/ENE	52/ENE	76/NE	72/NE	60/ENE	21/ENE	49/W	56/WSW	65/SW	62/SW	37/SW	5/SSW	23/ENE	54/NE	79/NE	85/NE	78/ENE	30/ENE	56/W	48/WSW	67/WSW	71/SW	51/SW	20/SW	52	85/NE
03/30	8/ESE	36/ENE	54/NE	74/NE	61/NE	47/NE	3/ESE	53/W	67/WSW	62/WSW	48/SW	27/SW	8/SE	36/NE	65/NE	82/NE	82/NE	60/ENE	12/ENE	40/WSW	60/WSW	71/WSW	59/SW	35/SW	48	82/NE
03/31	19/SSW	19/E	39/ENE	54/NE	69/NE	55/NE	37/NE	3/SSW	48/WSW	59/WSW	54/SW	40/WSW	21/SW	16/ENE	45/ENE	68/NE	77/NE	77/ENE	33/NE	7/WSW	55/W	53/WSW	65/SW	58/SW	45	77/ENE
平均值	39	44	45	45	43	42	41	39	39	37	34	35	36	45	47	46	44	43	43	43	44	41	40	40		
最大值	89/NE	101/ENE	95/ENE	97/ENE	72/NE	80/SW	70/WSW	69/SW	82/WSW	72/SW	72/ENE	80/ENE	77/NE	92/NE	103/ENE	103/ENE	82/NE	77/ENE	81/NE	76/ENE	78/SW	77/SW	68/SW	86/NE		

[註 1]: 月平均流速= **41cm/s**, 最大流速= **103m/s**, 其流向爲 **ENE**(去向)。流速分佈: **<25cm/s: 28.7%,25~50cm/s: 33.3%,50~70cm/s: 30.7%,75~100cm/s: 6.9%,>100cm/s: .4%**。

[註 2]: 流向分佈: **N~E: 46.8%,E~S: 5.8%,S~W: 44.3%,W~N: 3.1%**, 流向主軸: **NE- SW**(佔 **43.0%**), 主流向: **NE**(佔 **22.8%**)。每小時記錄一次, 本月計 **742**筆 **(100%)**, 資料檔名:**C093TPX0.1HA**。

港灣技術研究中心

表3.2.5　2009 年 04 月 臺北港測站 X 觀測逐時流速及流向月報表

2009年 **4**月 **1**日 **0**時 **0**分 ~ **2009**年 **4**月**17**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
04/01	37/SW	17/SSW	17/ENE	32/ENE	48/NE	49/NE	35/NE	4/NNW	57/W	58/SW	60/WSW	58/SW	31/SW	17/SW	16/E	35/ENE	53/NE	57/NE	44/NE	14/NE	61/W	55/WSW	70/WSW	72/WSW	42	72/WSW
04/02	55/SW	27/SW	19/SSW	12/E	25/ENE	30/ENE	26/NE	11/NE	12/W	33/WSW	58/SW	56/SW	43/SW	39/SW	11/WSW	14/ENE	36/ENE	50/ENE	49/NE	48/NE	24/NE	59/W	56/W	51/WSW	35	59/W
04/03	51/SW	48/WSW	31/SW	18/WSW	7/ENE	20/NE	30/NNE	57/NE	47/NE	35/ENE	25/E	8/SSE	17/SSW	18/SSW	21/SSW	12/SSE	16/SE	15/ENE	52/ENE	54/ENE	51/ENE	46/ENE	17/ENE	23/W	30	57/NE
04/04	28/SW	49/SW	40/SSW	41/SW	14/SW	5/ENE	14/NE	24/NE	34/NE	43/NE	29/NE	12/E	9/S	21/SW	24/SW	28/SW	36/S	16/SSW	8/NNE	25/NE	40/NE	57/NE	36/ENE	30/ENE	28	57/NE
04/05	5/ESE	29/WSW	39/WSW	35/SSW	44/SW	36/SSW	11/SSW	16/ENE	35/NE	41/NE	59/NE	49/ENE	34/NE	4/E	34/WSW	54/SW	50/SW	42/SW	23/SW	6/ENE	27/ENE	46/NE	63/NE	59/NE	35	63/NE
04/06	37/NE	7/NNE	34/WSW	58/WSW	68/SW	57/SW	34/SW	18/SW	11/ENE	29/ENE	42/NE	56/NE	45/NE	26/NE	15/WSW	54/WSW	62/SW	57/WSW	44/SW	24/SW	7/ESE	34/NE	46/NE	73/NE	39	73/NE
04/07	70/NE	55/ENE	12/NE	48/W	54/WSW	64/WSW	50/SW	40/SW	4/S	28/ENE	51/ENE	71/NE	76/NE	69/NE	36/NE	8/WSW	47/WSW	55/WSW	55/WSW	47/WSW	12/SSW	24/ENE	51/NE	78/NE	46	78/NE
04/08	94/NE	78/ENE	41/ENE	4/S	54/WSW	65/WSW	61/SW	51/SW	26/SW	9/ESE	36/NE	58/NE	82/NE	78/NE	63/ENE	24/E	52/WSW	50/WSW	77/WSW	62/SW	44/SW	10/SSW	23/NE	57/NE	50	94/NE
04/09	67/NE	84/NE	57/NE	35/ENE	11/WSW	50/WSW	63/WSW	67/WSW	45/SW	24/SW	16/E	41/NE	67/NE	82/NE	78/NE	42/ENE	5/WSW	60/WSW	73/WSW	73/WSW	54/SW	25/SW	10/E	39/NE	49	84/NE
04/10	69/NE	69/NE	82/NE	61/ENE	18/ENE	44/W	50/WSW	64/SW	51/SW	36/SW	10/S	25/ENE	59/NE	89/NE	90/NE	67/ENE	22/ENE	59/W	57/WSW	76/SW	72/SW	37/SW	14/SW	15/ENE	52	90/NE
04/11	46/ENE	65/NE	81/NE	64/ENE	51/ENE	7/ENE	43/WSW	54/WSW	56/SW	50/SW	25/SSW	17/ENE	39/ENE	67/NE	83/NE	82/ENE	46/ENE	2/ENE	57/WSW	58/WSW	76/SW	60/SW	36/SW	2/SSE	49	83/NE
04/12	30/NE	51/NE	66/NE	80/NE	66/NE	35/ENE	5/WSW	48/WSW	35/WSW	47/SW	26/SSW	5/SSW	21/NE	47/NE	71/NE	82/NE	52/ENE	28/ENE	5/W	36/WSW	56/WSW	48/WSW	48/SW	23/WSW	42	82/NE
04/13	3/ESE	19/ENE	55/ENE	62/NE	68/ENE	43/ENE	20/E	10/WSW	30/SW	36/SW	41/SW	16/S	11/NNE	41/NE	59/NE	83/NE	73/NE	53/ENE	10/NE	38/W	49/WSW	65/WSW	49/WSW	31/SW	40	83/NE
04/14	6/SW	20/ENE	35/ENE	67/NE	72/ENE	64/ENE	39/ENE	18/E	41/WSW	44/WSW	50/WSW	37/SW	13/WSW	17/ENE	33/NE	67/NE	69/NE	62/NE	31/ENE	27/W	37/WSW	56/SW	61/WSW	45/SW	42	72/ENE
04/15	23/SW	5/ESE	24/NE	32/NE	46/NE	53/NE	37/NE	15/NE	23/W	31/WSW	37/WSW	34/SW	31/SW	13/SW	17/NE	35/NE	69/NE	61/NE	51/NE	30/ENE	6/NNW	26/WSW	36/SW	38/SW	32	69/NE
04/16	38/SW	24/SW	4/SSW	*	*	*	*	*	*	8/WSW	24/WSW	36/WSW	38/SW	37/SW	17/SSW	14/E	30/ENE	62/ENE	66/ENE	48/NE	20/ENE	19/W	27/SW	34/SW	30	66/ENE
04/17	37/SW	30/SW	14/SW	4/E	7/ENE	17/ENE	26/ENE	31/ENE	21/ENE	6/S	22/WSW	36/WSW	*	31/WSW	27/WSW	8/SW	13/ENE	27/ENE	*	34/ENE	*	*	19/WSW	35/SW	22	37/SW
平均值	41	40	38	41	41	40	34	33	33	33	36	36	38	41	41	42	43	44	44	41	40	42	39	41		
最大值	94/NE	84/NE	82/NE	80/NE	72/ENE	65/WSW	63/WSW	67/WSW	57/W	58/SW	60/WSW	71/NE	82/NE	89/NE	90/NE	83/NE	73/NE	62/ENE	77/WSW	76/SW	76/SW	65/WSW	70/WSW	78/NE		

[註 **1**]: 月平均流速= **39cm/s**, 最大流速= **94m/s**, 其流向爲 **NE**(去向)。流速分佈: <**25cm/s: 29.1%**,**25**~**50cm/s: 37.7%**,**50**~**70cm/s: 27.9%**,**75**~**100cm/s: 5.3%**,>**100cm/s: .0%**。

[註 **2**]: 流向分佈: **N**~**E: 47.7%**,**E**~**S: 4.5%**,**S**~**W: 46.2%**,**W**~**N: 1.5%**, 流向主軸: **NE- SW**(佔 **46.5%**), 主流向: **NE**(佔 **25.9%**)。每小時記錄一次, 本月計 **398**筆 (**55%**), 資料檔名:**C094TPX0.1HA**。

表3.2.6　2009 年 05 月 臺北港測站 X 觀測逐時流速及流向月報表

2009年 **5**月 **7**日 **6**時 **0**分 ～ **2009**年 **5**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
05/07	*	*	*	*	*	*	29/SSW	58/W	2/SSW	19/NE	42/NE	72/NE	79/NE	66/NE	40/NE	7/W	66/W	69/WSW	84/SW	56/WSW	32/SW	8/SSE	31/ENE	53/NE	45	84/SW
05/08	59/NE	60/NE	33/ENE	10/NE	26/WSW	44/WSW	61/WSW	48/WSW	32/WSW	2/ENE	36/ENE	63/NE	72/NE	83/ENE	59/ENE	24/ENE	20/WSW	67/W	69/WSW	63/WSW	43/SW	12/SSW	23/ENE	45/ENE	44	83/ENE
05/09	67/ENE	61/ENE	62/ENE	35/ENE	11/ENE	23/WSW	34/WSW	49/SW	37/SW	24/SW	13/E	43/ENE	64/ENE	91/ENE	66/ENE	46/ENE	20/SSE	46/WSW	57/WSW	49/SW	55/SW	37/SW	9/SSE	30/ENE	43	91/ENE
05/10	48/ENE	56/ENE	56/ENE	52/ENE	28/ENE	7/NE	35/W	40/SW	46/SW	18/SW	11/S	27/ENE	50/ENE	67/ENE	83/ENE	58/ENE	32/ENE	12/SSW	54/WSW	70/WSW	68/SW	48/WSW	29/SW	10/ENE	42	83/ENE
05/11	33/ENE	61/ENE	63/ENE	71/ENE	41/ENE	12/ENE	15/WSW	41/W	42/SW	20/SSW	14/SW	8/ENE	36/ENE	52/NE	90/ENE	80/ENE	71/ENE	0/N	45/W	59/WSW	61/WSW	58/SW	40/SW	12/SW	43	90/ENE
05/12	18/ENE	42/ENE	61/ENE	57/ENE	51/ENE	31/ENE	5/ENE	49/W	50/WSW	50/WSW	20/SW	13/SSW	26/ENE	49/ENE	86/ENE	95/ENE	67/ENE	39/ENE	4/SSE	50/WSW	59/WSW	61/WSW	52/SW	31/SW	44	95/ENE
05/13	6/SSW	22/NE	41/ENE	46/NE	51/NE	49/NE	20/ENE	4/WNW	49/W	53/WSW	78/SW	50/SW	11/SSW	13/E	35/NE	64/ENE	61/ENE	54/ENE	18/ENE	56/W	60/WSW	70/WSW	66/WSW	49/WSW	43	78/SW
05/14	36/SW	7/SSW	17/E	30/ENE	25/NE	47/ENE	30/ENE	3/SSE	48/W	56/WSW	56/SW	44/SW	27/SW	10/SSW	19/ENE	*	62/NE	52/ENE	49/ENE	16/ENE	35/WSW	42/SW	69/WSW	56/SW	36	69/WSW
05/15	55/SW	27/SW	9/ENE	26/ENE	28/NE	49/NE	47/NE	27/ENE	17/ENE	38/WSW	34/WSW	36/WSW	24/SW	17/SW	13/E	34/ENE	65/NE	75/NE	64/ENE	50/ENE	24/E	29/WSW	24/WSW	44/WSW	36	75/NE
05/16	40/WSW	24/SW	9/SSW	9/NE	26/ENE	36/NE	59/NE	43/NE	31/NE	24/ENE	6/SSE	15/WSW	25/WSW	16/SSW	19/ESE	33/E	47/ENE	67/ENE	72/ENE	52/ENE	54/NE	6/NE	31/W	21/W	32	72/ENE
05/17	41/WSW	48/WSW	23/WSW	10/WSW	9/NE	26/NE	41/NE	51/NE	42/NE	36/NE	17/ENE	7/WSW	22/W	21/WSW	14/SW	15/ESE	18/E	29/ENE	23/E	56/ENE	34/NE	2/ESE	19/WSW	26/W	26	56/ENE
05/18	40/WSW	63/WSW	56/WSW	35/WSW	26/SW	7/SW	6/ENE	32/NE	36/NE	27/NE	10/ENE	42/W	38/WSW	58/WSW	57/WSW	33/WSW	23/WSW	23/SW	5/SSW	30/NE	31/NE	28/NE	0/NNW	9/NE	30	63/WSW
05/19	17/WSW	55/WSW	62/SW	53/WSW	57/SW	33/SW	11/SW	1/S	5/E	44/NE	16/NE	12/WSW	8/ENE	22/WSW	64/SW	56/SW	37/SW	46/SW	32/SW	12/SW	15/ENE	41/ENE	18/NE	4/W	30	64/SW
05/20	17/ENE	3/SW	27/WSW	32/WSW	35/WSW	17/SW	6/SW	7/NE	23/ENE	46/ENE	60/ENE	47/ENE	62/ENE	22/ENE	4/S	11/SSE	7/SE	21/SW	12/E	9/NE	17/NE	30/ENE	32/NE	35/NE	24	62/ENE
05/21	38/NE	27/ENE	16/NNW	13/NW	14/W	32/SW	19/WSW	2/S	19/ENE	41/NE	63/ENE	52/NE	62/ENE	53/E	6/ESE	21/WSW	24/SW	25/WSW	22/WNW	4/WSW	11/ENE	18/NE	26/NE	46/NNE	27	63/ENE
05/22	35/NE	21/ENE	12/ENE	31/W	25/WSW	15/SW	31/SW	16/SW	10/E	18/ENE	11/NE	8/NNE	33/NE	9/S	3/ESE	30/WSW	27/SW	63/SW	41/SW	27/SW	4/SW	7/NE	21/NE	34/ENE	22	63/SW
05/23	60/NE	39/NE	35/NE	8/NE	21/WSW	14/S	20/SSW	14/SSE	2/S	8/NE	11/NNE	15/NNE	49/NE	23/ENE	28/ENE	15/SSW	42/SW	36/SW	68/SW	48/SW	39/SW	6/SSW	23/ENE	31/ENE	27	68/SW
05/24	37/NE	51/ENE	23/NE	29/ENE	15/SSW	51/WSW	63/SW	58/SW	46/SW	11/S	21/ENE	39/NE	70/NE	58/NE	59/ENE	8/ENE	58/WSW	69/WSW	75/WSW	81/SW	47/SW	37/SW	10/SE	34/NE	44	81/SW
05/25	36/NE	23/NE	43/ENE	14/NE	20/SW	26/WSW	57/SW	49/SW	48/SW	24/SW	2/NNE	34/NE	50/NNE	77/NE	72/NE	*	9/N	66/W	57/WSW	73/WSW	64/WSW	40/SW	6/W	18/N	39	77/NE
05/26	25/N	43/NE	41/NE	50/NE	25/NE	11/E	7/W	7/WSW	15/SW	3/E	9/ENE	20/ENE	38/NE	58/NE	89/NE	50/ENE	31/ENE	14/SSW	37/SW	31/SW	76/WSW	72/SW	*	24/SSW	34	89/NE
05/27	20/ENE	26/ENE	26/NE	57/NE	41/NE	24/NE	7/SSW	46/WSW	53/SW	55/SW	38/WSW	25/SW	14/ENE	31/ENE	35/NE	56/NE	66/ENE	14/ENE	30/SW	67/WSW	63/SW	64/SW	56/SW	43/SW	40	67/WSW
05/28	13/S	24/NE	28/ENE	16/NE	53/ENE	29/NE	9/SW	17/WSW	52/WSW	65/SW	53/SW	38/SW	16/SSW	15/NE	31/NE	44/NE	59/NE	28/ENE	10/ENE	38/WSW	49/SW	49/SW	77/SW	52/SW	36	77/SW
05/29	31/SW	6/S	22/ENE	30/NE	21/NNE	17/NNW	13/NNE	11/W	13/SW	38/WSW	58/SW	55/SW	44/SW	10/SSW	18/ENE	39/ENE	69/NE	60/NE	57/ENE	12/ENE	28/SW	48/SW	45/SW	42/WSW	33	69/NE
05/30	49/SW	17/SSW	8/ESE	26/ENE	25/NE	26/NNE	53/NE	24/NE	7/WNW	5/S	40/WSW	38/SW	38/SW	50/SW	24/SW	10/SW	5/NE	11/N	31/NE	15/NE	20/ENE	19/SW	24/WSW	41/SW	25	53/NE
05/31	28/SW	37/SW	9/SW	6/SSW	16/ENE	26/NE	23/NNE	17/NNE	15/NE	17/SW	7/SSW	37/WSW	53/SW	49/SW	36/SW	32/SW	5/SW	3/W	5/NW	47/NE	28/NE	12/NNW	3/WSW	20/WSW	22	53/SW
平均值	35	35	33	31	29	27	28	29	30	30	29	34	40	41	42	37	40	40	41	43	41	34	31	32		
最大值	67/ENE	63/WSW	63/ENE	71/ENE	57/SW	51/WSW	63/SW	58/SW	53/SW	65/SW	78/SW	72/NE	79/NE	91/ENE	90/ENE	95/ENE	71/ENE	75/NE	84/SW	81/SW	76/WSW	72/SW	77/SW	56/SW		

[註 1]: 月平均流速= **35cm/s**, 最大流速= **95m/s**, 其流向爲 **ENE**(去向)。流速分佈: **<25cm/s: 37.7%,25~50cm/s: 36.9%,50~70cm/s: 22.8%,75~100cm/s: 2.5%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 47.5%,E~S: 4.1%,S~W: 45.7%,W~N: 2.7%**, 流向主軸:**ENE-WSW**(佔 **40.8%**), 主流向:**ENE**(佔 **23.5%**)。每小時記錄一次, 本月計 **591**筆 (**79%**), 資料檔名:**C095TPX0.1HA**。

表3.2.7　2009 年 06 月 臺北港測站 X 觀測逐時流速及流向月報表

2009年 **6**月 **1**日 **0**時 **0**分 ～ **2009**年 **6**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
06/01	29/WSW	10/W	33/SW	6/SW	8/ENE	18/NE	21/ENE	27/NE	61/NE	35/NE	41/ENE	45/E	9/WSW	19/ESE	14/S	17/SW	5/ESE	5/ENE	5/NNE	3/WNW	5/NNW	21/NE	17/NE	14/NE	20	61/NE
06/02	18/NE	12/NE	4/ENE	6/SW	4/W	1/SSE	14/NE	18/NNE	27/NNE	29/NE	27/NE	32/ENE	33/E	18/W	14/SE	11/SE	11/SW	12/E	12/NE	15/NE	28/NNE	34/NNE	33/NE	21/NNE	18	34/NNE
06/03	8/N	15/WNW	10/NNW	6/W	19/SW	8/WNW	1/ENE	14/ENE	23/NE	59/NE	66/NE	61/ENE	39/NE	13/ENE	30/W	25/WSW	19/SW	18/SW	21/S	13/ENE	35/ENE	36/NE	21/NE	54/ENE	26	66/NE
06/04	25/ENE	22/ENE	8/SSW	37/WSW	33/SW	33/SW	15/WSW	4/W	9/N	21/NNE	42/NE	44/NE	40/NE	47/E	19/WSW	36/SW	49/SW	33/SW	50/SW	28/WSW	14/WSW	5/N	25/NNE	19/NNE	27	50/SW
06/05	28/NE	22/NW	14/NNW	15/W	29/SW	37/SW	35/SW	37/SW	16/WSW	20/NE	14/NE	73/NE	64/NE	24/N	9/WNW	*	39/SW	56/SW	*	*	*	*	*	*	31	73/NE
06/06	*	*	*	*	*	29/SW	30/SW	8/W	7/SW	13/E	33/ENE	51/NE	73/ENE	62/NE	50/ENE	2/N	40/WSW	50/WSW	81/SW	68/WSW	32/WSW	32/SW	6/S	14/ENE	36	81/SW
06/07	39/NE	62/NE	52/NE	35/NE	4/NE	20/WSW	26/WSW	47/WSW	21/WSW	8/WSW	16/NE	40/NE	59/NE	75/NE	30/ENE	31/ENE	43/WSW	50/WSW	59/WSW	47/WSW	57/WSW	33/SW	6/S	37/NE	37	75/NE
06/08	44/NE	57/NE	59/NE	55/NE	31/NE	8/NNE	26/WSW	42/WSW	31/WSW	26/SW	3/SW	20/NE	53/NE	48/NE	61/ENE	30/E	8/E	34/W	46/WSW	71/WSW	73/SW	49/SW	31/SW	9/SSE	38	73/SW
06/09	22/NE	49/NE	55/NE	72/NE	40/NE	23/NE	20/WNW	32/WSW	48/WSW	45/SW	35/SW	2/ESE	20/NE	28/NE	69/NE	30/ENE	48/ENE	9/E	37/WSW	51/WSW	56/WSW	56/SW	41/SW	9/SSW	37	72/NE
06/10	15/ENE	30/NE	53/NE	50/NE	48/NE	41/NE	26/NE	24/W	25/WSW	28/WSW	21/SW	9/ENE	37/ENE	70/ENE	98/ENE	94/ENE	58/ENE	24/ENE	13/WNW	45/WSW	62/WSW	49/WSW	54/SW	23/SW	42	98/ENE
06/11	8/SW	21/NE	33/NE	57/NE	63/NE	46/NE	24/ENE	8/WNW	32/W	44/WSW	47/SW	44/SW	18/SW	15/ENE	35/ENE	75/NE	65/NE	48/ENE	2/SE	39/WSW	52/WSW	40/WSW	53/SW	22/SW	37	75/NE
06/12	12/SW	11/E	28/ENE	47/NE	46/NE	44/NE	29/ENE	14/E	18/W	26/WSW	35/WSW	12/SSE	4/S	21/E	57/ENE	92/ENE	90/ENE	67/ENE	29/ENE	1/ENE	29/WSW	52/WSW	36/WSW	37/WSW	35	92/ENE
06/13	21/SW	7/SSW	11/ENE	27/NE	52/NE	59/NE	42/NE	26/NE	5/E	32/WSW	25/WSW	29/WSW	9/SSW	16/E	33/ENE	45/ENE	77/ENE	63/ENE	43/ENE	28/ENE	32/W	36/WSW	32/WSW	43/WSW	33	77/ENE
06/14	30/WSW	15/WSW	3/ENE	23/NE	30/NE	23/NE	46/NE	24/NE	11/WNW	23/W	33/WSW	36/WSW	42/WSW	44/SW	19/SW	5/ENE	14/ENE	47/NE	39/NE	32/NE	21/NNW	14/WSW	20/WSW	29/SW	26	47/NE
06/15	46/SW	21/SW	9/WSW	6/ENE	20/NE	24/NE	30/NE	35/NE	29/NE	*	32/SW	39/SW	*	61/SW	53/SW	27/SW	3/ESE	18/NE	37/NE	32/NE	17/ENE	38/W	46/W	31/WSW	30	61/SW
06/16	46/WSW	37/SW	47/SW	11/SW	3/SSE	15/NE	19/ENE	25/NE	37/NE	15/NW	20/WSW	29/WSW	34/SW	37/SW	26/WSW	41/SW	19/SW	6/S	16/NNE	23/N	51/NE	28/NE	42/WNW	44/W	28	51/NE
06/17	31/WSW	32/SW	44/WSW	20/WSW	11/W	10/NE	15/NE	22/NE	28/NE	39/NE	18/NE	41/W	14/SW	31/WSW	42/SW	36/SW	46/SW	17/WSW	7/NNE	3/WSW	3/ENE	34/NE	14/ENE	20/WSW	24	46/SW
06/18	29/SW	24/SW	35/WSW	44/WSW	27/SW	9/SW	3/E	7/ENE	8/SE	53/NE	17/ENE	13/S	15/WSW	24/SW	61/SW	59/SW	52/SW	52/SW	25/SW	3/SSE	11/NE	16/NE	47/NE	34/NE	28	61/SW
06/19	19/NE	22/W	23/WSW	29/WSW	43/WSW	30/SW	6/SW	15/NE	33/ENE	60/NE	68/NE	46/ENE	41/E	6/E	30/WSW	53/SW	60/WSW	52/SW	25/WSW	12/SW	12/NE	20/NE	43/NE	56/NE	34	68/NE
06/20	37/NE	22/ENE	20/NE	8/WNW	30/WSW	43/SW	20/SW	0/NNW	24/ENE	34/ENE	27/NE	46/ENE	3/E	27/ENE	38/WSW	46/WSW	49/WSW	72/SW	62/WSW	29/SW	8/SW	12/NE	36/NE	44/NE	31	72/SW
06/21	49/NE	37/NE	1/E	25/WSW	39/WSW	42/WSW	45/SW	24/SW	4/ENE	21/NE	52/NE	28/NNE	52/ENE	17/ENE	13/E	43/WSW	43/WSW	64/SW	55/WSW	27/SW	23/SW	4/ENE	25/ENE	56/NE	33	64/SW
06/22	55/NE	71/NE	60/NE	35/ENE	23/W	40/WSW	34/WSW	35/WSW	28/SW	6/ESE	30/NE	76/NE	89/NE	84/ENE	65/ENE	22/NE	28/WSW	51/WSW	61/WSW	48/WSW	37/SW	4/SSW	22/ENE	51/ENE	44	89/NE
06/23	85/NE	83/ENE	71/ENE	49/NE	19/ENE	49/W	50/WSW	52/WSW	46/WSW	5/WSW	27/ENE	62/NE	104/ENE	103/ENE	80/ENE	45/ENE	5/SW	48/WSW	68/WSW	50/WSW	53/SW	41/SW	11/E	30/ENE	51	104/ENE
06/24	41/NE	73/NE	59/NE	64/NE	41/NE	25/NE	48/WSW	23/WSW	30/SW	35/SW	11/SSW	26/ENE	67/NE	78/NE	103/ENE	80/ENE	37/ENE	20/E	30/SW	55/SW	81/SW	67/SW	28/SW	5/ESE	47	103/ENE
06/25	21/ENE	30/NE	56/NE	56/NE	53/ENE	19/ENE	6/E	49/W	39/SW	50/WSW	32/SW	5/S	28/ENE	44/NE	52/NE	83/NE	38/ENE	9/E	34/W	68/WSW	47/WSW	57/WSW	54/SW	28/SW	40	83/NE
06/26	26/NE	24/ENE	35/NE	61/NE	48/NE	42/ENE	17/NNE	13/WNW	57/W	64/SW	61/SW	23/SW	11/E	9/SE	28/NE	49/NE	56/NE	18/E	25/ENE	50/WSW	35/W	63/WSW	49/WSW	41/WSW	38	64/SW
06/27	10/SW	11/NE	28/NE	41/NE	56/NE	41/NE	31/NE	5/NE	20/WSW	52/WSW	45/WSW	46/SW	49/SW	12/S	25/ENE	34/ENE	43/NE	49/NE	46/NE	21/ENE	30/W	39/WSW	48/WSW	37/WSW	34	56/NE
06/28	38/WSW	13/SSW	17/E	33/ENE	54/NE	46/NE	54/NE	27/ENE	9/NE	9/WSW	39/WSW	25/SW	44/SW	28/SW	13/ESE	39/ENE	65/ENE	85/ENE	77/ENE	56/ENE	21/NE	24/W	45/WSW	68/WSW	39	85/ENE
06/29	31/SW	44/SW	5/SSW	18/ENE	34/NE	38/NE	64/NE	52/NE	54/NE	15/ENE	28/WSW	34/WSW	41/WSW	34/SSW	21/S	22/E	39/ENE	50/ENE	69/ENE	57/NE	44/NE	38/NE	24/W	40/WSW	37	69/ENE
06/30	34/WSW	50/WSW	25/SW	3/SE	22/NE	29/NE	44/NE	63/NE	62/NE	51/NE	24/NE	27/W	30/WSW	31/WSW	25/SW	23/SSW	11/SE	31/ENE	43/ENE	62/ENE	56/NE	44/NE	39/NE	25/W	36	63/NE
平均值	31	32	31	32	32	30	28	26	28	32	32	36	39	37	40	41	39	39	39	36	35	34	33	32		
最大值	85/NE	83/ENE	71/ENE	72/NE	63/NE	59/NE	64/NE	63/NE	62/NE	64/SW	68/NE	76/NE	104/ENE	103/ENE	103/ENE	94/ENE	90/ENE	85/ENE	81/SW	71/WSW	81/SW	67/SW	54/SW	68/WSW		

[註 1]: 月平均流速= **34cm/s**, 最大流速= **104m/s**, 其流向爲 **ENE**(去向)。流速分佈: **<25cm/s: 36.8%,25~50cm/s: 43.2%,50~70cm/s: 16.9%,75~100cm/s: 2.7%,>100cm/s: .4%**。

[註 2]: 流向分佈: **N~E: 49.0%,E~S: 4.7%,S~W: 41.5%,W~N: 4.8%**, 流向主軸: **NE- SW**(佔 **44.9%**), 主流向: **NE**(佔 **27.6%**)。每小時記錄一次, 本月計 **706**筆 (**98%**), 資料檔名:**C096TPX0.1HA**。

表3.2.8　2009 年 07 月 臺北港測站 X 觀測逐時流速及流向月報表

2009年 **7**月 **1**日 **0**時 **0**分 ～ **2009**年 **7**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
07/01	14/W	32/WSW	38/WSW	27/WSW	14/WSW	15/NE	31/NE	51/NE	70/NE	65/NE	37/NE	18/ENE	11/W	26/W	38/WSW	29/SW	20/SSW	8/SE	21/ENE	27/ENE	37/NE	53/ENE	35/ENE	22/ENE	31	70/NE
07/02	8/N	26/WSW	23/SW	25/WSW	22/SW	16/S	15/ENE	27/NE	54/NE	69/NE	71/NE	63/ENE	17/NE	26/W	34/WSW	53/WSW	35/WSW	47/WSW	20/SW	5/ESE	12/ENE	13/ENE	53/NE	41/NE	32	71/NE
07/03	26/NE	14/WNW	17/W	22/WSW	26/WSW	18/NNE	5/NNW	15/N	19/NE	32/NE	62/NE	55/NE	60/ENE	27/NE	32/W	28/WSW	34/WSW	15/SW	27/SW	6/SW	19/ENE	26/NE	32/ENE	36/NE	27	62/NE
07/04	36/NE	33/NE	17/NE	13/WNW	13/WSW	18/WSW	31/WSW	7/N	7/NNE	24/ENE	58/NE	72/NE	75/ENE	48/ENE	24/ENE	34/W	32/WSW	53/WSW	37/WSW	33/WSW	2/WSW	9/NE	23/NE	31/NE	30	75/ENE
07/05	35/NNE	48/NE	29/NE	15/NNE	17/WNW	8/W	16/W	18/NW	9/N	10/ENE	18/ENE	61/NE	68/NE	69/ENE	43/ENE	4/ENE	27/WSW	38/WSW	59/SW	56/SW	22/SW	6/SSW	13/ENE	21/NE	30	69/ENE
07/06	43/NE	61/NE	46/NE	32/NE	26/NE	5/NNW	3/W	12/WSW	4/NNE	3/SE	13/ENE	26/ENE	59/NE	46/ENE	17/E	21/ENE	22/WSW	35/WSW	45/WSW	43/WSW	54/SW	24/SW	9/S	18/ENE	28	61/NE
07/07	25/NE	51/NE	74/NE	33/NE	25/NE	5/W	21/WSW	11/WSW	29/SW	3/SSW	4/ENE	17/NE	43/ENE	*	63/ENE	61/ENE	11/ENE	33/W	42/WSW	41/SW	53/WSW	36/WSW	20/SW	4/SE	31	74/NE
07/08	7/NNE	43/NE	46/NNE	44/NE	26/ENE	27/NE	8/W	17/WSW	25/WSW	10/SSW	5/S	9/E	30/ENE	50/NE	68/NE	27/E	27/ENE	18/SW	48/WSW	44/WSW	58/WSW	51/WSW	35/WSW	8/SW	30	68/NE
07/09	29/NE	34/NE	58/NE	61/NE	40/NE	33/NE	14/NE	12/W	19/WSW	34/SW	5/S	4/SE	19/ENE	34/ENE	43/ENE	43/NE	12/ENE	7/E	52/WSW	38/WSW	69/W	64/WSW	44/WSW	21/SW	33	69/W
07/10	11/ENE	32/NE	53/NE	23/NNE	47/NE	21/NE	35/NE	16/W	20/SW	42/WSW	32/SW	16/SSW	8/E	22/NE	54/ENE	79/NE	78/NE	52/ENE	6/WNW	47/WSW	60/WSW	58/WSW	58/WSW	30/WSW	37	79/NE
07/11	7/SSW	23/ENE	41/ENE	45/NE	46/NE	43/NE	19/NE	21/WNW	33/W	29/WSW	45/WSW	30/WSW	16/SSW	16/ENE	33/ENE	86/NE	86/ENE	59/ENE	30/ENE	14/SW	41/WSW	38/W	43/WSW	34/WSW	37	86/NE
07/12	14/SW	9/ENE	25/NE	50/NE	46/NE	43/NE	11/ENE	18/WSW	63/W	51/W	56/WSW	53/WSW	40/WSW	8/W	22/NNE	46/NE	75/NE	56/NE	27/NE	5/N	51/WSW	57/WSW	61/WSW	54/SW	39	75/NE
07/13	40/WSW	14/SW	15/ENE	40/ENE	37/NE	56/NE	26/NE	12/WSW	21/W	57/WSW	70/WSW	56/SW	40/WSW	16/WSW	19/ENE	42/NE	59/NE	63/NE	47/NE	21/NE	5/W	51/W	54/W	45/WSW	38	70/WSW
07/14	25/SW	29/SW	9/E	37/ENE	53/NE	67/NE	71/NE	48/ENE	14/ENE	15/SSW	46/WSW	43/SW	47/SW	53/SW	36/SW	9/SSE	22/ENE	43/ENE	33/ENE	32/ENE	11/NE	29/WSW	49/WSW	63/WSW	37	71/NE
07/15	62/WSW	43/SW	27/SW	11/E	36/ENE	37/NE	49/NNE	48/NE	33/ENE	14/ENE	46/WSW	61/WSW	65/WSW	50/SW	66/SW	35/SW	10/SSW	6/SSE	7/ENE	39/NE	24/NE	3/NNE	45/W	48/WSW	36	66/SW
07/16	46/WSW	48/SW	21/SW	8/SW	16/ENE	29/ENE	34/NE	53/NE	38/ENE	5/SSE	32/SSW	31/WSW	77/SW	64/SW	47/SW	32/WSW	12/WSW	11/NE	22/NE	36/NE	47/NE	30/NE	10/NE	51/W	33	77/SW
07/17	46/WSW	50/SW	45/SW	36/SW	18/SW	8/E	18/NE	40/NE	59/NE	42/NE	18/NE	7/NW	60/W	60/WSW	68/WSW	49/WSW	43/WSW	14/SW	5/ENE	21/ENE	21/ENE	38/NE	21/NE	7/NNW	33	68/WSW
07/18	38/W	48/W	57/WSW	51/WSW	34/WSW	10/SW	16/NE	40/ENE	59/NE	73/NE	69/NE	45/ENE	12/ENE	38/W	38/WSW	20/W	33/SW	6/WSW	4/S	17/E	28/ENE	31/NE	50/NE	40/ENE	36	73/NE
07/19	25/NE	4/SSE	27/WSW	38/SW	37/SW	44/SW	36/WSW	7/SW	18/NE	22/NE	63/ENE	36/NE	46/ENE	7/S	52/WSW	59/WSW	88/SW	71/SW	69/SW	30/SW	7/E	31/NE	32/ENE	28/NE	37	88/SW
07/20	47/NE	25/ENE	18/NE	29/W	35/SW	38/WSW	31/SW	17/SW	11/ENE	36/ENE	57/NE	83/NE	57/ENE	51/ENE	15/ENE	36/WSW	46/W	61/WSW	64/SW	42/SW	18/SSW	26/E	42/ENE	54/NE	39	83/NE
07/21	62/NE	57/NE	46/NE	37/ENE	9/W	14/SW	37/WSW	34/SW	6/WSW	25/ENE	56/ENE	91/NE	99/ENE	82/ENE	44/ENE	10/ENE	38/W	49/WSW	72/WSW	63/SW	22/SW	14/SE	38/ENE	56/ENE	44	99/ENE
07/22	76/NE	84/NE	76/NE	50/NE	11/ENE	46/WSW	55/WSW	50/WSW	40/SW	6/ESE	32/ENE	60/ENE	94/NE	114/ENE	77/ENE	44/ENE	15/WSW	60/WSW	46/WSW	86/WSW	68/SW	23/SSW	16/ESE	48/ENE	53	114/ENE
07/23	73/ENE	72/NE	67/NE	65/NE	44/NE	7/NW	63/W	66/WSW	58/SW	27/WSW	14/E	51/ENE	100/NE	102/NE	101/ENE	68/ENE	19/NE	28/WSW	74/WSW	70/WSW	85/WSW	61/SW	16/SSW	29/ENE	57	102/NE
07/24	63/ENE	85/NE	68/NE	81/NE	56/ENE	25/ENE	19/WSW	56/WSW	70/WSW	62/SW	26/WSW	19/E	53/ENE	103/NE	105/NE	99/ENE	65/ENE	20/ENE	61/W	43/WSW	87/WSW	79/WSW	56/SW	18/S	59	105/NE
07/25	36/ENE	66/ENE	84/NE	76/NE	69/NE	53/NE	17/ENE	56/W	57/WSW	57/WSW	56/SW	7/SSW	26/E	65/ENE	109/NE	116/NE	99/ENE	65/NE	10/N	60/W	48/WSW	84/WSW	63/SW	24/SW	58	116/NE
07/26	9/SSE	30/ENE	64/NE	68/NE	71/NE	66/ENE	28/NE	3/WSW	56/WSW	64/WSW	50/WSW	55/SW	9/S	32/ENE	64/ENE	97/NE	93/ENE	86/ENE	49/ENE	1/NNW	40/W	59/WSW	35/WSW	57/SW	49	97/NE
07/27	17/SW	11/ENE	33/ENE	63/NE	74/NE	68/NE	61/ENE	39/ENE	5/WSW	44/WSW	17/SW	36/SW	48/SW	5/SSE	23/ENE	45/ENE	72/NE	75/ENE	63/ENE	35/NE	5/NNW	44/W	23/WSW	58/WSW	40	75/ENE
07/28	29/SW	13/SW	4/ENE	27/ENE	52/NE	70/NE	72/NE	60/ENE	29/ENE	19/W	48/WSW	56/WSW	37/SW	44/SW	11/SSE	16/ENE	40/ENE	68/NE	74/NE	55/NE	9/ENE	14/WSW	37/WSW	54/WSW	39	74/NE
07/29	54/WSW	14/WSW	4/WNW	7/NE	29/NE	48/NE	64/NE	60/NE	33/ENE	19/ENE	34/W	42/WSW	29/WSW	41/WSW	47/WSW	*	11/SW	7/E	15/ENE	7/NE	33/NE	20/NE	6/ENE	39/WSW	29	64/NE
07/30	37/WSW	47/WSW	17/WSW	12/WSW	7/NNE	21/ENE	27/ENE	69/NE	61/NE	41/ENE	49/ENE	6/NW	28/SSW	35/SW	39/WSW	27/WSW	26/SW	17/SW	10/ENE	27/NE	43/NE	45/NE	25/NE	20/WSW	31	69/NE
07/31	44/WSW	37/WSW	40/WSW	16/SW	13/SW	5/W	16/NNE	22/NE	30/NE	53/NE	7/ENE	35/ENE	42/W	27/WSW	31/W	56/WSW	41/WSW	44/WSW	26/WSW	16/NNW	15/NE	9/ENE	31/NE	22/ENE	28	56/WSW
平均值	35	38	38	37	34	31	31	32	34	34	39	40	46	45	47	46	42	39	38	34	35	36	35	35		
最大值	76/NE	85/NE	84/NE	81/NE	74/NE	70/NE	72/NE	69/NE	70/NE	73/NE	71/NE	91/NE	100/*	114/ENE	109/NE	116/NE	99/ENE	86/ENE	74/NE	86/WSW	87/WSW	84/WSW	63/SW	63/WSW		

[註 **1**]: 月平均流速= **37cm/s**, 最大流速= **116m/s**, 其流向爲 **NE**(去向)。流速分佈: <**25cm/s: 33.6%**,**25**~**50cm/s: 37.3%**,**50**~**70cm/s: 24.0%**,**75**~**100cm/s: 4.2%**,>**100cm/s: .9%**。

[註 **2**]: 流向分佈: **N**~**E: 50.3%**,**E**~**S: 3.2%**,**S**~**W: 42.6%**,**W**~**N: 3.9%**, 流向主軸: **NE- SW**(佔 **43.5%**), 主流向: **NE**(佔 **25.9%**)。每小時記錄一次, 本月計 **742**筆 **(100%)**, 資料檔名:**C097TPX0.1HA**。

港灣技術研究中心

表3.2.9　2009 年 08 月 臺北港測站 X 觀測逐時流速及流向月報表

2009年 **8**月 **1**日 **0**時 **0**分 ~ **2009**年 **8**月**18**日**15**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
08/01	4/N	45/W	43/WSW	46/WSW	35/WSW	45/SW	31/SW	12/SW	20/NE	38/NE	54/NE	28/ENE	24/NE	52/W	56/W	61/WSW	81/WSW	59/SW	49/SW	26/SW	6/E	14/ENE	7/ENE	12/ENE	35	81/WSW
08/02	28/NE	14/ENE	16/WSW	48/WSW	49/WSW	39/SW	44/SW	15/WSW	10/NE	19/NE	45/NE	55/NE	41/NE	17/NE	54/W	58/WSW	63/WSW	73/WSW	57/WSW	44/SW	11/SW	15/ENE	24/ENE	24/NE	36	73/WSW
08/03	18/NE	37/NE	16/NE	17/WSW	49/W	45/WSW	38/WSW	35/WSW	14/SW	11/NE	23/NE	66/NE	72/NE	43/NE	38/ENE	0/E	43/WSW	26/WSW	40/SW	50/WSW	15/WSW	3/NE	21/E	34/ENE	31	72/NE
08/04	57/NE	53/NE	53/NE	17/E	3/W	31/W	27/SW	42/SW	24/WSW	3/SSE	18/ENE	28/NE	25/NE	53/NE	8/ENE	17/ENE	32/WSW	45/WSW	23/WSW	52/SW	36/SW	15/SSW	14/E	33/ENE	30	57/NE
08/05	49/NE	53/NE	59/NE	37/ENE	12/E	16/WSW	22/WSW	34/WSW	10/SW	9/WSW	11/ENE	40/ENE	41/ENE	80/NE	38/ENE	44/ENE	9/ESE	45/W	55/WSW	58/SW	55/SW	27/WSW	5/S	28/NE	35	80/NE
08/06	50/ENE	66/NE	60/NE	51/NE	20/NE	9/WSW	40/W	40/WSW	43/WSW	26/WSW	2/W	30/ENE	50/ENE	84/NE	81/ENE	56/ENE	20/ENE	24/W	54/WSW	67/WSW	65/WSW	46/WSW	22/SW	10/E	42	84/NE
08/07	34/ENE	50/ENE	54/ENE	36/ENE	50/W	54/W	65/WSW	76/WSW	75/WSW	59/WSW	31/SW	8/W	14/ENE	36/NE	44/WNW	61/WNW	49/W	45/W	62/WSW	84/W	89/WSW	65/WSW	27/SW	3/SE	49	89/WSW
08/08	24/ENE	26/NNE	28/N	32/NE	47/NW	81/WNW	49/WSW	48/SW	61/WSW	48/WSW	15/SW	23/ENE	49/ENE	87/NE	98/ENE	35/NNW	23/WNW	30/W	35/WSW	47/WSW	67/SW	69/SW	61/SW	23/SW	46	98/ENE
08/09	6/NE	34/NE	58/NE	78/NE	26/NNW	15/W	23/WSW	42/SW	54/SSW	48/SW	24/WSW	6/SW	30/NE	68/NE	103/NE	104/ENE	80/ENE	43/WNW	47/W	57/WSW	87/WSW	97/WSW	82/WSW	41/SW	52	104/ENE
08/10	8/WSW	24/NE	50/NE	71/NE	58/NE	24/NNE	25/WNW	25/WSW	43/SW	*	55/SW	22/WSW	*	54/ENE	87/ENE	103/ENE	83/ENE	45/NE	41/W	48/WSW	71/WSW	111/WSW	53/SSW	54/SW	52	111/WSW
08/11	12/S	20/E	39/ENE	58/ENE	84/ENE	56/NE	59/ENE	30/WSW	35/WSW	51/WSW	44/WSW	48/SW	16/SSW	29/E	51/ENE	72/ENE	88/ENE	82/ENE	49/ENE	39/WNW	43/W	79/WSW	55/WSW	65/WSW	50	88/ENE
08/12	29/WSW	5/SSW	19/NE	40/NE	67/NE	65/NE	35/NE	16/WNW	26/W	47/WSW	58/WSW	46/SW	55/WSW	36/SSW	10/SSE	41/E	37/NE	62/NE	39/ENE	25/NE	22/W	35/WSW	56/WSW	69/WSW	39	69/WSW
08/13	42/SW	26/SW	5/SW	33/ENE	40/NE	20/NE	31/NNE	36/WNW	18/WNW	29/WSW	50/WSW	34/WSW	49/SW	32/WSW	12/SW	12/SSE	35/ENE	40/ENE	27/ENE	54/NE	33/WNW	42/W	37/WSW	55/WSW	33	55/WSW
08/14	47/WSW	24/SW	34/SW	9/SSW	22/ENE	34/NE	39/NNE	32/NE	22/NW	13/WNW	18/W	28/WSW	21/WSW	36/WSW	16/SSW	21/SW	13/S	20/ESE	12/ENE	24/NNE	24/NE	23/NE	22/W	28/SW	24	47/WSW
08/15	43/WSW	72/WSW	34/SW	25/WSW	18/ENE	36/NE	50/NE	64/NE	50/NE	54/ENE	32/ENE	15/WSW	23/WSW	33/WSW	50/WSW	39/WSW	31/WSW	19/WSW	9/E	23/ENE	15/NE	6/WNW	31/NNE	17/W	33	72/WSW
08/16	29/W	29/SW	36/WSW	45/WSW	43/SW	16/SW	8/ESE	26/ENE	42/ENE	53/NE	36/NE	11/NW	22/W	31/W	52/WSW	58/WSW	60/WSW	71/SW	42/WSW	1/E	22/NE	34/ENE	35/ENE	42/NE	35	71/SW
08/17	37/ENE	20/WNW	22/W	30/SW	37/WSW	21/SSW	19/SW	18/SSE	27/E	51/ENE	57/NE	43/NE	50/ENE	28/W	29/W	32/WSW	52/WSW	65/WSW	96/WSW	61/SW	25/SW	23/ENE	20/NNE	33/NE	37	96/WSW
08/18	68/NE	41/NE	23/WNW	24/WSW	23/WSW	38/WSW	22/WNW	15/SW	16/SSE	35/E	41/ENE	48/NE	54/NE	44/ENE	42/W	51/WSW	*	*	*	*	*	*	*	*	37	68/NE
平均值	33	36	36	39	38	36	35	34	33	35	34	32	37	47	48	48	47	47	43	45	40	41	34	34		
最大值	68/NE	72/WSW	60/NE	78/NE	84/ENE	81/WNW	65/WSW	76/WSW	75/WSW	59/WSW	58/WSW	66/NE	72/NE	87/NE	103/NE	104/ENE	88/ENE	82/ENE	96/WSW	84/W	89/WSW	111/WSW	82/WSW	69/WSW		

[註 **1**]: 月平均流速= **39cm/s**, 最大流速= **111m/s**, 其流向爲 **WSW**(去向)。流速分佈: <**25cm/s: 30.6%**,**25**~**50cm/s: 42.4%**,**50**~**70cm/s: 20.9%**,**75**~**100cm/s: 5.2%**,>**100cm/s: .9%**。

[註 **2**]: 流向分佈: **N**~**E: 40.3%**,**E**~**S: 3.8%**,**S**~**W: 47.6%**,**W**~**N: 8.3%**, 流向主軸:**WSW-ENE**(佔 **43.1%**), 主流向:**WSW**(佔 **26.5%**)。每小時記錄一次, 本月計 **422**筆 (**57%**), 資料檔名:**C098TPX0.1HA**。

表3.2.10　2009 年 09 月 臺北港測站 X 觀測逐時流速及流向月報表

2009年 **9**月**10**日**23**時 **0**分 ~ **2009**年 **9**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
09/10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	58/WSW	58	58/WSW
09/11	42/SW	12/SW	21/ENE	36/NE	43/NE	75/NE	36/ENE	29/ENE	2/SSW	40/WSW	49/WSW	40/SW	34/SW	36/WSW	19/SSW	12/E	27/ENE	50/NE	36/NE	42/NE	26/NE	7/SW	36/WSW	30/WSW	32	75/NE
09/12	15/WSW	34/SW	6/ESE	18/ENE	27/ENE	43/NE	63/NE	33/ENE	11/NE	32/W	39/WSW	52/SW	43/SW	51/SW	53/SW	21/SW	3/ENE	17/ENE	23/NE	20/NE	24/NE	5/WNW	41/WSW	46/WSW	30	63/NE
09/13	52/WSW	63/WSW	41/SW	17/SW	10/ENE	20/ENE	29/NE	50/NE	27/NE	16/NE	59/W	54/WSW	61/WSW	59/WSW	55/WSW	44/SW	25/WSW	4/SSW	9/ENE	15/ENE	29/ENE	22/NE	18/NE	0/ENE	33	63/WSW
09/14	36/W	40/WSW	36/WSW	31/WSW	19/WSW	9/NE	15/NE	35/NE	68/NE	53/NE	49/ENE	17/E	29/W	30/WSW	42/WSW	27/SW	35/WSW	14/SSW	10/SSW	12/ENE	22/ENE	41/ENE	55/NE	39/NE	32	68/NE
09/15	33/NE	22/ENE	4/WSW	7/W	24/SW	8/E	5/E	18/ENE	29/NE	41/NE	63/NE	47/ENE	27/ENE	21/WSW	43/WSW	56/WSW	73/SW	51/SW	44/SW	12/SW	27/SW	39/ENE	50/NE	40/NE	33	73/SW
09/16	29/NE	8/SW	27/SW	29/W	40/WSW	45/WSW	42/SW	9/SSW	9/ENE	14/ENE	37/NE	71/NE	40/ENE	30/ENE	17/SW	70/WSW	78/WSW	91/SW	57/SW	40/SW	6/SE	20/ENE	46/NE	56/NE	38	91/SW
09/17	32/NE	37/ENE	9/SSW	11/SSW	52/W	42/WSW	46/WSW	33/WSW	6/S	*	45/NE	59/NE	78/NE	50/ENE	26/ENE	26/SW	58/WSW	58/WSW	80/SW	40/SW	18/SW	18/ENE	4/SE	58/NE	39	80/SW
09/18	58/NE	68/NE	22/ENE	9/NE	43/W	53/WSW	30/SW	83/WSW	31/SW	11/ESE	11/ENE	64/NE	58/NE	71/ENE	41/ENE	18/E	50/WSW	57/SW	98/SW	76/SW	56/SW	6/S	6/E	40/NE	44	98/SW
09/19	65/NE	71/NE	57/ENE	19/ENE	8/SW	56/W	84/WSW	75/WSW	74/SW	22/SW	23/SSW	*	75/NE	68/NE	66/ENE	53/ENE	5/WSW	73/WSW	73/WSW	92/SW	65/WSW	43/SW	7/ESE	4/SSW	51	92/SW
09/20	63/NE	58/NE	71/NE	42/ENE	18/ENE	28/WSW	54/WSW	74/WSW	71/WSW	60/SW	16/SSW	34/ENE	58/ENE	70/NE	75/NE	53/ENE	30/NE	23/SW	73/W	75/WSW	77/WSW	55/WSW	31/SSW	20/ENE	51	77/WSW
09/21	53/ENE	60/NE	53/NE	64/ENE	47/ENE	3/SSW	57/WSW	63/WSW	65/WSW	62/SW	39/SW	16/S	38/ENE	53/ENE	73/NE	75/NE	42/ENE	22/ENE	22/SW	62/WSW	74/WSW	68/WSW	50/SW	10/SSW	49	75/NE
09/22	34/ENE	58/ENE	54/NE	78/ENE	43/ENE	24/ENE	19/WSW	59/WSW	74/WSW	76/WSW	57/WSW	28/SW	13/ENE	40/ENE	64/NE	64/NE	60/NE	33/NE	10/N	62/W	63/WSW	61/WSW	59/WSW	37/SW	49	78/ENE
09/23	7/S	28/ENE	38/NE	50/NE	65/ENE	52/ENE	8/E	63/WSW	61/WSW	71/WSW	59/WSW	57/WSW	15/SW	11/ENE	41/NE	50/NE	38/NE	46/NE	13/NE	7/WNW	52/WSW	67/SW	53/SW	48/WSW	42	71/WSW
09/24	28/SSW	6/E	21/NE	39/NE	71/NE	48/NE	37/ENE	15/SW	54/WSW	53/SW	74/WSW	56/SW	54/WSW	21/SSW	12/E	28/ENE	31/NE	31/NE	27/ENE	8/N	52/WSW	58/WSW	58/WSW	48/SW	39	74/WSW
09/25	50/SW	23/SW	10/NE	16/NE	30/NE	56/NE	37/NE	31/NE	4/NE	45/WSW	52/WSW	41/WSW	45/SW	34/WSW	16/WSW	13/N	9/NE	19/ENE	40/NE	20/NE	3/SSW	35/WSW	49/WSW	47/SW	30	56/NE
09/26	47/WSW	39/SW	18/SW	3/NNE	6/SE	54/NE	39/ENE	23/NE	31/ENE	13/WNW	36/WSW	43/WSW	60/WSW	46/SW	46/WSW	21/WSW	6/WSW	5/NE	5/ENE	27/NE	22/NE	3/N	19/WSW	49/WSW	28	60/WSW
09/27	36/WSW	31/WSW	23/WSW	26/SW	10/WSW	4/SE	35/NE	37/NE	36/NE	14/NE	4/NNE	25/W	32/WSW	44/WSW	38/WSW	33/WSW	33/SW	15/SW	1/NW	4/N	8/NNE	21/NE	12/N	15/W	22	44/WSW
09/28	38/WSW	34/WSW	31/WSW	29/WSW	22/W	22/NW	15/SW	6/SW	29/ENE	29/NE	8/NE	16/WNW	38/WSW	43/WSW	51/WSW	53/WSW	51/SW	32/WSW	20/SW	10/SW	6/ENE	19/NE	28/NE	23/NNE	27	53/WSW
09/29	8/N	25/W	33/WSW	45/WSW	75/WSW	70/WSW	36/WSW	9/WNW	18/NE	27/NE	22/NNW	20/NNE	35/WNW	24/W	25/WSW	33/WSW	47/WSW	55/WSW	35/WSW	13/W	15/N	19/NE	32/NE	55/NE	32	75/WSW
09/30	31/NE	31/W	21/W	27/WSW	28/SW	25/SW	20/WSW	10/SW	9/ESE	18/ENE	28/ENE	48/ENE	37/ENE	15/NE	17/W	26/WSW	37/SW	40/SW	48/SW	25/SSW	12/S	23/E	36/ENE	60/NE	28	60/NE
平均值	38	37	30	30	34	37	35	38	35	37	38	42	44	41	41	39	37	37	36	33	33	31	35	37		
最大值	65/NE	71/NE	71/NE	78/ENE	75/WSW	75/NE	84/WSW	83/WSW	74/SW	76/WSW	74/WSW	71/NE	78/NE	71/ENE	75/NE	75/NE	78/WSW	91/SW	98/SW	92/SW	77/WSW	68/WSW	59/WSW	60/NE		

[註 1]: 月平均流速= **36cm/s**, 最大流速= **98m/s**, 其流向爲 **SW**(去向)。流速分佈: <**25cm/s: 34.0%**,**25**~**50cm/s: 36.7%**,**50**~**70cm/s: 25.9%**,**75**~**100cm/s: 3.3%**,>**100cm/s: .0%**。

[註 2]: 流向分佈: **N**~**E: 43.4%**,**E**~**S: 2.3%**,**S**~**W: 50.3%**,**W**~**N: 4.0%**, 流向主軸:**WSW-ENE**(佔 **42.8%**), 主流向:**WSW**(佔 **26.3%**)。每小時記錄一次, 本月計 **479**筆 (**67%**), 資料檔名:**C099TPX0.1HA**。

表3.2.11　2009 年 10 月 臺北港測站 X 觀測逐時流速及流向月報表

2009年**10**月 **1**日 **0**時 **0**分 ~ **2009**年**10**月**27**日**12**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
10/01	60/NE	37/ENE	21/E	31/WSW	43/WSW	44/WSW	37/WSW	24/WSW	4/W	16/ENE	37/ENE	72/NE	51/NE	27/ENE	26/ENE	30/WSW	49/WSW	57/SW	55/SW	59/SW	31/SW	4/SE	17/ENE	41/NE	36	72/NE
10/02	21/NE	39/NE	6/ESE	31/W	40/WSW	79/WSW	65/SW	67/WSW	30/SW	6/SSE	31/ENE	28/NE	63/NE	45/NE	36/NE	39/W	65/WSW	73/WSW	78/WSW	59/WSW	45/SW	7/SSE	26/ENE	35/ENE	42	79/WSW
10/03	63/NE	48/NE	38/ENE	3/ESE	63/WSW	80/WSW	72/WSW	69/WSW	38/SW	7/S	22/ENE	45/ENE	66/NE	57/NE	48/NE	24/ENE	61/WSW	73/WSW	81/WSW	70/WSW	46/SW	16/SW	21/ENE	41/ENE	48	81/WSW
10/04	69/NE	59/NE	48/ENE	21/NE	64/WSW	60/WSW	66/WSW	79/WSW	39/SW	2/NW	22/ENE	46/ENE	65/NE	68/ENE	50/ENE	21/ENE	61/W	72/WSW	90/WSW	84/WSW	62/SW	22/SW	9/ENE	40/ENE	51	90/WSW
10/05	52/ENE	70/NE	58/NE	24/NE	49/WSW	44/WSW	79/WSW	90/WSW	60/WSW	25/WSW	9/NNW	34/NE	53/ENE	65/NE	71/NE	59/WNW	86/W	42/W	72/W	78/WSW	74/WSW	44/WSW	15/NE	21/NNE	53	90/WSW
10/06	51/NE	37/NNE	36/NNE	37/NW	16/NW	22/W	36/SW	60/SW	85/WSW	60/WSW	22/SSW	5/ESE	39/ENE	49/NE	31/N	22/NNE	33/WNW	37/W	21/SW	52/WSW	68/WSW	57/SW	31/WSW	14/NE	38	85/WSW
10/07	48/NE	73/NE	81/NE	99/NE	16/NW	32/WNW	51/W	72/W	108/SW	87/WSW	39/WSW	9/SW	24/NE	34/ENE	75/NE	87/NE	83/NE	26/WNW	33/W	39/WSW	60/WSW	65/WSW	53/WSW	22/SW	55	108/SW
10/08	9/ENE	24/ENE	77/NE	76/NE	82/NE	23/NNE	28/W	33/WSW	64/WSW	92/SW	62/SW	13/SW	11/NE	31/ENE	50/ENE	62/NE	57/NE	50/NE	35/W	43/W	56/W	71/WSW	74/WSW	35/SW	48	92/SW
10/09	5/E	29/ENE	51/ENE	90/NE	86/NE	69/NE	37/ENE	27/W	41/WSW	71/W	98/SW	68/SW	23/SW	1/W	19/NNE	29/NE	42/NE	64/NE	45/NE	43/W	36/WSW	51/WSW	63/WSW	58/WSW	48	98/SW
10/10	36/WSW	2/NNW	20/ENE	47/NE	73/NE	58/NE	47/ENE	14/E	47/WSW	68/WSW	82/WSW	82/WSW	63/WSW	31/WSW	10/SSW	15/ENE	24/NE	40/ENE	40/ENE	24/ENE	38/W	40/WSW	55/WSW	68/WSW	43	82/WSW
10/11	55/WSW	30/SW	5/SE	22/ENE	32/ENE	65/NE	68/NE	51/ENE	50/W	26/WSW	61/W	72/WSW	78/WSW	47/WSW	20/SW	4/S	18/NE	28/ENE	46/NE	40/ENE	19/ENE	24/W	34/W	39/WSW	39	78/WSW
10/12	55/WSW	45/WSW	29/WSW	15/SW	12/NE	6/NE	65/NE	53/NE	21/N	23/WNW	30/WSW	35/WSW	51/WSW	79/SW	51/WSW	35/WSW	11/SSW	13/ENE	17/NE	20/ENE	44/ENE	35/W	52/W	19/W	34	79/SW
10/13	27/WSW	55/WSW	49/WSW	33/SW	26/WSW	2/E	4/E	27/ENE	65/NE	28/NW	20/NNW	28/W	36/WSW	41/SW	61/WSW	65/SW	46/WSW	23/SSW	10/NE	17/ENE	31/NE	38/NE	41/ENE	27/NE	33	65/SW
10/14	23/WNW	21/W	30/WSW	54/WSW	52/SW	40/SW	6/SW	21/ENE	29/ENE	59/NE	58/NE	51/ENE	49/W	52/WSW	53/WSW	69/WSW	69/WSW	47/SW	25/SW	6/ESE	26/ENE	37/ENE	68/NE	51/NE	41	69/WSW
10/15	46/ENE	43/W	38/WSW	46/WSW	68/WSW	56/WSW	33/SW	7/SSW	24/ENE	37/ENE	72/NE	62/NE	56/ENE	57/W	62/WSW	71/W	71/WSW	72/WSW	45/WSW	26/SW	16/E	25/ENE	57/NE	83/NE	49	83/NE
10/16	59/NE	48/ENE	26/W	34/SW	43/SW	60/SW	52/WSW	40/SW	8/SE	27/ENE	54/NE	63/NE	79/NE	62/ENE	23/E	49/WSW	57/SW	72/WSW	71/SW	56/SW	6/SSW	30/ENE	55/ENE	54/NE	47	79/NE
10/17	87/NE	19/ENE	32/ENE	42/W	55/WSW	66/WSW	54/SW	51/SW	22/SW	16/ENE	2/SSE	75/NE	69/NE	79/NE	40/ENE	0/ENE	61/WSW	68/WSW	86/WSW	65/SW	44/SW	7/ENE	11/S	72/NE	47	87/NE
10/18	67/NE	90/NE	46/ENE	26/NE	62/WSW	62/WSW	66/SW	73/SW	56/WSW	14/SSW	27/ENE	58/ENE	79/NE	88/ENE	63/NE	49/ENE	51/W	57/WSW	72/WSW	57/WSW	54/WSW	12/SW	23/ENE	55/ENE	54	90/NE
10/19	86/NE	98/NE	81/ENE	46/ENE	2/NNW	58/WSW	67/WSW	54/WSW	66/SW	29/SW	*	14/SW	8/S	75/NE	55/NE	63/ENE	33/ENE	62/W	58/WSW	86/WSW	69/WSW	53/SW	11/SSW	33/ENE	52	98/NE
10/20	43/NE	65/NE	90/NE	53/ENE	30/ENE	62/WSW	73/WSW	87/WSW	92/WSW	65/SW	32/SW	13/E	37/ENE	49/ENE	65/NE	52/ENE	32/ENE	15/WSW	70/WSW	82/WSW	81/WSW	58/WSW	38/SW	9/E	54	92/WSW
10/21	21/ENE	61/NE	87/NE	63/NE	55/ENE	13/ENE	34/WSW	71/WSW	71/SW	82/SW	44/SW	18/WSW	12/ENE	35/ENE	49/ENE	62/NE	37/NE	20/ENE	60/W	68/WSW	65/WSW	69/WSW	51/SW	23/SW	49	87/NE
10/22	15/E	23/ENE	74/NE	75/NE	74/NE	34/ENE	53/W	38/SW	70/SW	79/WSW	60/SW	41/SW	9/SSW	22/ENE	46/ENE	56/NE	60/NE	59/NE	22/ENE	57/W	73/WSW	74/WSW	59/WSW	36/SW	50	79/WSW
10/23	4/S	19/ENE	47/NE	68/NE	75/NE	64/ENE	26/ENE	34/WSW	53/W	70/SW	*	51/WSW	26/SW	4/SSE	23/NE	44/NE	38/NE	28/NNW	16/N	20/WNW	19/W	30/WSW	37/WSW	51/WSW	37	75/NE
10/24	35/WSW	3/WNW	9/ENE	57/ENE	73/NE	30/NE	17/N	25/W	26/WSW	44/WSW	54/WSW	85/SW	69/SW	18/WSW	4/NNW	15/NE	26/NE	31/ENE	31/ENE	14/NW	19/WNW	34/WSW	47/WSW	53/WSW	34	85/SW
10/25	41/WSW	22/WSW	8/ENE	27/NE	39/ENE	46/ENE	22/NNE	13/NNW	17/ENE	6/SW	38/WSW	44/SW	62/SW	40/WSW	22/SW	5/ESE	22/ENE	29/NE	34/ENE	27/ENE	10/NW	14/WNW	26/W	29/WSW	27	62/SW
10/26	39/WSW	37/SW	26/SW	6/ESE	28/NE	38/ENE	52/NE	61/ENE	18/NNE	9/NNW	18/W	30/WSW	45/WSW	63/SW	53/SW	32/SW	8/WNW	11/NNE	23/NE	28/ENE	21/ENE	14/NE	15/WNW	23/W	29	63/SW
10/27	26/WSW	34/SW	28/SW	23/SW	9/SSW	15/NE	30/ENE	43/NE	37/NE	24/NE	8/NNW	5/W	19/WSW	*	*	*	*	*	*	*	*	*	*	*	23	43/NE
平均值	42	42	42	43	47	45	46	48	46	40	40	42	46	47	43	41	46	45	48	47	43	36	38	40		
最大值	87/NE	98/NE	90/NE	99/NE	86/NE	80/WSW	79/WSW	90/WSW	108/SW	92/SW	98/SW	85/SW	79/NE	88/ENE	75/NE	87/NE	86/W	73/WSW	90/WSW	86/WSW	81/WSW	74/WSW	74/WSW	83/NE		

[註 1]: 月平均流速= **43cm/s**, 最大流速= **108m/s**, 其流向爲 **SW**(去向)。流速分佈: **<25cm/s: 25.4%,25~50cm/s: 33.5%,50~70cm/s: 32.8%,75~100cm/s: 8.2%,>100cm/s: .2%**。

[註 2]: 流向分佈: **N~E: 42.2%,E~S: 3.1%,S~W: 46.9%,W~N: 7.7%**, 流向主軸:**WSW-ENE**(佔 **45.4%**), 主流向:**WSW**(佔 **26.1%**)。每小時記錄一次, 本月計 **635**筆 (**85%**), 資料檔名:**C09ATPX0.1HA**。

表3.2.12　2009 年 11 月 臺北港測站 X 觀測逐時流速及流向月報表

2009年**11**月 **1**日 **0**時 **0**分 ~ **2009**年**11**月**30**日**15**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
11/01	71/NE	41/ENE	26/ENE	40/WSW	46/SW	60/SW	68/SW	48/SW	33/SW	12/SE	34/ENE	50/ENE	61/ENE	45/ENE	23/ENE	15/W	75/WSW	72/WSW	77/WSW	68/WSW	36/WSW	3/SSE	26/ENE	48/ENE	45	77/WSW
11/02	59/ENE	49/NE	27/NE	48/W	61/WSW	81/WSW	79/WSW	68/SW	43/SW	15/SSW	12/E	40/ENE	49/ENE	45/ENE	24/NE	71/NW	61/WSW	65/WSW	78/WSW	63/SW	42/SW	9/SSE	27/ENE	51/ENE	49	81/WSW
11/03	62/ENE	57/NE	27/NNE	47/NNW	33/SW	71/WSW	87/WSW	82/WSW	48/SW	15/SW	15/ENE	38/ENE	55/NE	69/NE	63/NE	33/NE	10/WNW	66/W	67/SW	73/WSW	58/WSW	20/W	19/N	37/NE	48	87/WSW
11/04	90/NE	101/NE	104/ENE	53/ENE	12/ENE	43/WSW	65/SW	76/WSW	74/WSW	35/WSW	8/NW	31/NE	62/NE	89/NE	99/NE	85/NE	55/ENE	4/WNW	71/W	72/WSW	75/SW	45/SW	11/SW	22/E	58	104/ENE
11/05	37/ENE	70/NE	95/NE	62/ENE	38/ENE	19/WSW	70/WSW	78/WSW	88/SW	64/SW	39/SW	16/SSE	11/ESE	53/ENE	76/ENE	63/NE	54/ENE	29/ENE	20/SW	52/WSW	76/SW	56/WSW	45/SW	11/S	51	95/NE
11/06	30/ENE	56/ENE	74/ENE	82/ENE	71/ENE	28/ENE	31/W	55/WSW	73/WSW	*	56/SW	25/SW	17/SSE	28/ENE	63/ENE	67/ENE	67/ENE	35/ENE	8/E	40/WSW	53/SW	53/SW	50/WSW	23/SW	47	82/ENE
11/07	10/ESE	45/ENE	61/ENE	93/NE	79/ENE	53/ENE	17/ENE	44/W	57/WSW	74/WSW	64/WSW	49/SW	11/SW	9/ESE	31/ENE	54/NE	63/NE	61/NE	30/NE	8/SW	33/W	47/SW	39/SW	42/WSW	45	93/NE
11/08	21/SW	9/E	31/ENE	43/NE	74/NE	77/ENE	49/ENE	7/ENE	49/W	58/WSW	69/WSW	53/WSW	40/WSW	17/SW	10/E	35/ENE	63/NE	64/NE	61/NE	36/ENE	15/ENE	14/W	39/WSW	30/WSW	40	77/ENE
11/09	17/SW	8/WSW	7/E	34/NE	54/NE	71/NE	66/NE	46/NE	17/ENE	41/W	50/WSW	48/WSW	57/SW	48/SW	29/SW	4/SSE	22/NE	48/NE	59/NE	54/NE	43/NE	25/ENE	4/ENE	36/W	37	71/NE
11/10	42/WSW	38/SW	25/SW	6/SW	21/NE	50/ENE	71/NE	67/NE	51/ENE	29/ENE	12/W	40/WSW	46/WSW	38/SW	47/SW	30/SW	8/SSE	23/ENE	53/ENE	61/NE	61/NE	54/NE	25/NE	19/SW	38	71/NE
11/11	50/W	61/WSW	56/SW	35/SW	19/SW	9/ENE	26/ENE	45/ENE	51/ENE	36/NE	13/NNE	60/W	63/WSW	71/WSW	67/WSW	56/WSW	43/SW	14/SW	11/E	27/ENE	52/ENE	49/ENE	38/NE	10/ENE	40	71/WSW
11/12	66/W	72/WSW	68/WSW	68/WSW	47/WSW	20/SW	10/ESE	22/ENE	58/ENE	65/NE	49/NE	41/NE	19/ENE	42/WSW	66/WSW	57/WSW	56/WSW	35/SW	10/SSW	30/ENE	42/ENE	52/NE	77/NE	47/NE	47	77/NE
11/13	34/ENE	4/ESE	38/WSW	50/SW	31/WSW	38/SW	12/W	10/ESE	42/ENE	62/ENE	76/ENE	65/NE	34/ENE	2/W	65/W	70/SW	69/WSW	61/WSW	39/SW	9/SSW	24/NE	47/ENE	63/ENE	63/NE	42	76/ENE
11/14	46/NE	18/ENE	51/W	75/WSW	76/SW	64/WSW	53/WSW	27/SW	7/ESE	24/ENE	49/ENE	66/NE	54/NE	0/N	9/W	63/WSW	68/SW	70/WSW	60/WSW	31/SW	6/S	27/ENE	54/ENE	70/NE	44	76/SW
11/15	72/NE	52/NE	20/ENE	39/W	58/WSW	74/WSW	71/SW	39/WSW	19/SSW	15/ENE	42/ENE	64/NE	77/NE	57/NE	42/ENE	4/ESE	54/WSW	61/SW	71/SW	55/WSW	24/SW	10/E	45/ENE	79/ENE	48	79/ENE
11/16	93/ENE	90/ENE	45/ENE	3/W	44/WSW	52/WSW	64/SW	57/WSW	28/SW	6/SSE	36/ENE	57/ENE	*	77/ENE	67/ENE	34/ENE	19/NW	55/WSW	61/SW	59/WSW	43/SW	8/SSW	28/ENE	54/ENE	47	93/ENE
11/17	77/ENE	81/NE	59/NE	22/NE	29/WSW	57/WSW	81/WSW	78/SW	58/WSW	33/WSW	7/SW	15/ENE	38/ENE	42/ENE	38/NE	55/N	30/SSW	59/WSW	79/WSW	84/WSW	67/WSW	36/WSW	7/SW	22/ENE	48	84/WSW
11/18	33/NE	47/NE	44/NE	60/WNW	57/WNW	61/WSW	75/WSW	85/WSW	63/WSW	49/SW	10/SW	10/E	29/ENE	*	*	*	*	44/W	59/WSW	69/WSW	65/WSW	48/WSW	19/SW	17/ENE	47	85/WSW
11/19	41/ENE	66/NE	74/NE	68/NE	52/ENE	36/W	39/W	56/WSW	82/WSW	72/SW	43/SW	9/S	32/ENE	53/ENE	56/ENE	54/NE	36/ENE	11/N	28/W	80/WSW	65/WSW	53/WSW	41/WSW	9/SW	48	82/WSW
11/20	16/NE	44/ENE	78/NE	84/NE	69/ENE	43/ENE	54/WNW	48/W	63/WSW	81/SW	55/WSW	20/SW	6/ENE	24/ENE	46/ENE	51/ENE	44/NE	20/NE	43/WNW	70/WSW	58/WSW	55/WSW	46/WSW	25/WSW	48	84/NE
11/21	6/NW	21/NNE	36/ENE	50/NE	46/NE	50/NW	55/WNW	40/SW	70/WSW	79/WSW	69/WSW	48/WSW	17/SW	4/NE	19/ENE	25/NE	29/NE	18/NNE	61/WNW	47/WSW	55/WSW	68/WSW	61/WSW	41/WSW	42	79/WSW
11/22	17/SW	10/ENE	33/ENE	54/NE	74/NE	60/ENE	11/NW	18/W	38/W	51/WSW	73/SW	61/WSW	27/SW	1/S	21/ENE	37/ENE	40/NE	46/NE	36/NE	50/W	53/W	50/SW	62/WSW	66/WSW	41	74/NE
11/23	36/SW	12/SSW	12/NE	28/NE	60/ENE	71/NE	56/ENE	30/WNW	43/W	57/W	57/W	70/WSW	54/WSW	27/SW	12/SSW	16/NE	12/NE	41/NE	30/ENE	28/NE	27/W	32/W	40/WSW	59/SW	38	71/NE
11/24	53/WSW	30/SW	9/SSW	21/ENE	36/NE	55/NE	66/NE	54/ENE	5/NNE	24/WSW	38/WSW	35/WSW	44/WSW	39/WSW	25/SW	10/SW	14/NNE	16/NE	52/NE	49/NE	22/ENE	15/WNW	21/W	34/WSW	32	66/NE
11/25	49/WSW	47/SW	30/WSW	5/WSW	6/N	7/ENE	55/NE	49/NE	48/ENE	19/W	34/W	28/WSW	58/WSW	67/SW	44/WSW	26/SW	9/S	15/ENE	15/NE	50/NE	43/NE	25/NE	18/NW	15/W	32	67/SW
11/26	25/WSW	54/SW	41/SW	26/SW	9/WSW	6/NW	3/E	45/NE	38/NE	34/NE	28/ENE	20/W	32/WSW	57/WSW	58/WSW	43/WSW	33/SW	14/SSW	10/NE	5/NE	58/NE	38/NE	18/NE	26/ENE	30	58/WSW
11/27	13/W	21/WSW	35/SW	31/SW	21/SSW	8/SW	6/NE	9/SW	19/NE	53/NE	20/NE	13/ENE	23/W	31/WSW	49/WSW	61/SW	50/SW	36/SW	9/SW	16/ENE	42/ENE	49/ENE	54/NE	35/ENE	29	61/SW
11/28	9/ENE	42/WSW	60/WSW	63/SW	56/WSW	38/WSW	16/WSW	4/ESE	25/NE	39/ENE	42/ENE	34/ENE	14/NNE	48/W	54/WSW	60/WSW	61/WSW	50/WSW	26/SW	9/E	*	48/ENE	56/NE	53/NE	39	63/SW
11/29	34/NE	40/W	33/WSW	60/WSW	66/WSW	60/WSW	42/SW	12/SSW	13/ENE	25/NE	49/ENE	52/NE	46/NE	27/ENE	41/W	56/WSW	64/WSW	58/WSW	42/WSW	19/SSW	17/ENE	40/ENE	60/NE	69/NE	43	69/NE
11/30	62/NE	35/ENE	55/W	38/SW	57/WSW	77/SW	51/SW	26/SW	6/S	29/ENE	52/ENE	64/NE	61/ENE	49/NE	15/ENE	56/W	*	*	*	*	*	*	*	*	46	77/SW
平均值	42	44	45	46	47	48	48	44	44	41	40	41	39	40	43	45	43	41	44	45	45	37	38	38		
最大值	93/ENE	101/NE	104/ENE	93/NE	79/ENE	81/WSW	87/WSW	85/WSW	88/SW	81/SW	76/ENE	70/WSW	77/NE	89/NE	99/NE	85/NE	75/WSW	72/WSW	79/WSW	84/WSW	76/SW	68/WSW	77/NE	79/ENE		

[註 1]: 月平均流速= **43cm/s**, 最大流速= **104m/s**, 其流向爲 **ENE**(去向)。流速分佈: **<25cm/s: 25.0%,25~50cm/s: 34.3%,50~70cm/s: 34.3%,75~100cm/s: 6.1%,>100cm/s: .3%**。

[註 2]: 流向分佈: **N~E: 45.0%,E~S: 3.1%,S~W: 47.4%,W~N: 4.5%**, 流向主軸:**WSW-ENE**(佔 **46.4%**), 主流向:**WSW**(佔 **23.7%**)。每小時記錄一次, 本月計 **705**筆 (**98%**), 資料檔名:**C09BTPX0.1HA**。

港灣技術研究中心

3.3　2009年臺中港逐時流速及流向月報表

表3.3.1　2009 年 06 月 臺中港測站 X 觀測逐時流速及流向月報表

2009年 **6**月**18**日**11**時 **0**分 ～ **2009**年 **6**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
06/18	*	*	*	*	*	*	*	*	*	*	*	60/ENE	42/E	38/ENE	46/NE	44/NNE	50/NNE	53/N	32/N	32/NNW	34/NNW	33/NNW	36/NNW	11/NNW	39	60/ENE
06/19	46/NNW	45/N	32/NE	33/N	48/N	53/N	50/NNE	49/NNE	53/NNE	51/N	53/NNE	35/NNE	53/NE	72/ENE	84/NE	97/NE	67/NNE	54/NNE	55/NNW	48/NNW	40/NNW	37/NNW	30/NNW	30/NNW	51	97/NE
06/20	28/NNW	35/NW	35/NNW	63/N	51/NNE	54/N	*	48/NNE	40/N	48/N	*	*	36/N	7/NE	*	13/E	5/SW	17/N	*	54/NNE	33/NNW	27/NW	21/NNW	18/NW	33	63/N
06/21	*	20/NNE	13/NNW	20/NNW	24/N	21/N	*	*	53/N	51/NNE	58/NNE	57/NNE	64/NNE	*	99/N	110/N	105/N	121/N	98/NNE	66/NNE	32/NNE	17/NNW	12/NW	*	55	121/N
06/22	35/NNW	35/NNW	55/NNW	76/NNW	85/N	83/N	89/NNE	*	*	75/N	86/NNW	87/N	87/N	*	96/N	129/N	180/NNE	189/NNE	152/NNE	141/NNE	89/NNE	45/N	39/NNW	28/N	90	189/NNE
06/23	*	24/N	32/NNW	55/NNW	79/NNW	94/N	*	79/NNE	83/NNE	74/NNE	75/N	68/NNW	76/NNW	85/NNW	83/N	85/N	108/N	144/NNE	170/NNE	158/NNE	83/NNE	35/N	15/NW	12/W	78	170/NNE
06/24	21/WNW	13/NW	20/NNE	28/NW	52/N	76/N	82/N	83/NNE	56/N	62/N	54/N	48/N	47/N	51/NNW	64/NNW	59/NNW	82/N	91/N	120/NNE	139/NNE	125/NNE	42/NNE	43/NNE	19/WSW	61	139/NNE
06/25	27/W	37/W	38/WNW	30/WNW	23/NW	10/NE	15/W	32/SW	20/SSW	17/NNE	39/N	38/N	38/N	35/N	37/N	47/NNW	24/WNW	61/WSW	73/WSW	36/WSW	42/W	40/WSW	14/WNW	15/NNW	33	74/WSW
06/26	7/N	4/SSW	17/WSW	17/WSW	14/NNW	7/NNW	23/NNW	43/NNW	33/NNE	16/NE	23/NNE	43/N	35/NNW	44/N	46/N	44/N	49/N	23/N	75/NNE	84/NNE	70/NNE	90/N	47/N	32/N	37	90/N
06/27	47/N	40/N	18/N	15/NNW	20/NNW	43/N	47/N	87/N	100/N	102/N	81/N	52/N	70/NNE	70/N	67/N	69/NNW	83/NNW	78/NNW	85/NNW	87/NNW	107/N	152/NNE	141/NNE	97/N	73	152/NNE
06/28	58/N	31/N	30/N	28/NNW	22/NNW	29/NNW	37/NNW	46/N	86/N	95/N	75/N	72/NNE	79/NNE	77/NNE	63/N	73/NNW	72/NNW	80/N	71/NNW	72/NNW	74/N	98/N	104/N	113/NNE	66	113/NNE
06/29	76/N	64/NNE	36/NNW	33/NNW	29/NW	35/NNW	42/NNW	41/NNW	55/N	73/N	81/NNE	71/N	81/NNE	76/NNE	81/NNE	67/N	68/NNW	63/NNW	61/NNW	64/NNW	46/N	60/N	74/NNE	91/N	61	91/N
06/30	88/N	56/NNE	63/NNE	51/NNE	47/NNE	41/N	35/NNW	52/NNW	46/NNW	45/N	57/N	71/NNE	95/NNE	100/NNE	77/NNE	76/NNE	57/N	59/NNW	59/NNW	56/NNW	53/NNW	47/N	64/N	73/N	61	100/NNE
平均值	43	34	32	37	41	46	46	56	57	59	62	59	62	59	70	70	73	80	88	80	64	56	49	45		
最大值	88/N	64/NNE	63/NNE	76/NNW	85/N	95/N	89/NNE	87/N	100/N	102/N	86/NNW	87/N	95/NNE	100/NNE	99/N	129/N	181/NNE	189/NNE	170/NNE	158/NNE	125/NNE	152/NNE	141/NNE	113/NNE		

[註 **1**]: 月平均流速= **57cm/s**, 最大流速= **189m/s**, 其流向爲 **NNE**(去向)。流速分佈: <**25cm/s: 15.0%**,**25**~**50cm/s: 31.8%**,**50**~**70cm/s: 26.2%**,**75**~**100cm/s: 19.2%**,>**100cm/s: 7.7%**。

[註 **2**]: 流向分佈: **N**~**E: 47.9%**,**E**~**S: .3%**,**S**~**W: 5.2%**,**W**~**N: 46.5%**, 流向主軸: **N - S** (佔 **36.0%**), 主流向: **N** (佔 **36.0%**)。每小時記錄一次, 本月計 **286**筆 (**40%**), 資料檔名:**C096TCX0.1HA**。

表3.3.2　2009 年 07 月 臺中港測站 X 觀測逐時流速及流向月報表

2009年 **7**月 **1**日 **0**時 **0**分 ～ **2009**年 **7**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
07/01	64/N	73/N	65/N	50/N	62/NNE	62/NNE	64/NNE	65/NNE	54/NNE	49/N	45/N	63/NNW	75/N	84/N	92/NNE	90/NNE	67/NNE	54/NNE	50/N	43/NNW	31/NW	22/NW	26/NW	29/NNW	57	92/NNE
07/02	85/N	75/N	56/NNE	71/NNE	72/NNE	64/NNE	55/N	50/N	56/N	60/NNW	61/N	76/N	107/NNE	121/NNE	96/NNE	82/NNE	55/N	59/NNW	53/NW	43/NNW	50/NNW	52/NNW	43/NNW	51/NNW	66	121/NNE
07/03	38/N	56/N	68/N	67/N	56/N	56/NNE	63/NNE	52/NNE	56/NNE	56/NNE	50/N	*	73/N	87/N	108/N	103/N	103/NNE	63/N	59/NNE	44/NNE	35/NNE	20/N	12/NNW	15/NNW	58	108/N
07/04	20/NNW	39/N	54/N	73/N	75/N	46/NNE	49/NNE	51/NNE	55/NNE	56/N	59/NNE	58/NNE	57/NNE	72/NNE	79/NNE	102/NNE	114/NE	94/NNE	67/NNE	46/NNE	41/NNW	24/NW	17/NW	16/W	57	114/NE
07/05	17/NNW	23/NNW	38/N	69/N	74/N	33/NNE	36/N	50/N	51/NNE	43/NNE	41/N	47/NNE	46/NNE	45/NNE	63/NNE	56/N	75/NNE	121/NE	95/NE	53/NNE	36/N	26/NNW	21/NNW	19/WNW	49	121/NE
07/06	24/NW	25/NNW	20/N	46/NNW	74/NNW	81/N	66/N	41/N	48/N	53/NNE	44/NNE	47/NNE	42/N	49/N	49/NNW	54/N	56/N	79/NNE	92/NNE	61/NNE	42/NNE	32/N	26/NNW	20/NW	49	92/NNE
07/07	18/WNW	14/WNW	16/N	35/N	63/N	81/N	74/N	53/N	47/NNE	63/NNE	54/NNE	54/NNE	59/NNE	56/N	61/N	65/NNW	58/NNW	47/N	57/NNE	65/NNE	39/NNE	37/NNE	25/NNE	27/NNW	49	81/N
07/08	14/NNW	15/NNW	26/NNW	21/N	39/N	67/N	83/N	49/N	39/N	72/NNE	64/NNE	46/NNE	46/NNE	48/NNE	42/N	42/N	40/NNE	42/NNW	45/N	37/NE	28/NNE	31/NNE	32/N	22/NNW	41	83/N
07/09	18/NW	13/NNW	19/NNW	32/NNW	25/NNW	33/N	57/N	61/NNE	40/NNE	57/NNE	70/NNE	64/NNE	57/NNE	51/N	48/N	41/N	31/NNE	33/NE	41/NNE	33/NE	19/NE	8/ENE	58/NNE	51/NNE	40	70/NNE
07/10	33/NNE	21/NNW	23/NW	33/NNW	48/NNW	21/NNE	40/NNE	73/NNE	59/NNE	46/NNE	66/NNE	59/NNE	52/N	50/N	44/N	51/N	33/NNE	49/NE	62/ENE	70/ENE	30/NNE	24/NNE	24/NNE	26/N	43	73/NNE
07/11	33/N	37/N	32/N	36/N	43/NNW	35/N	69/NNW	98/N	92/N	46/NNE	52/N	68/NNE	63/NNE	57/NNE	66/NNE	63/N	60/N	54/NNW	24/NE	45/ENE	31/NE	43/NE	29/NNE	59/NNE	51	98/N
07/12	62/NNE	38/N	34/NNW	31/NNW	34/NNW	42/NNW	7/N	24/SW	22/SSW	14/NNW	33/N	50/N	44/N	42/NNE	46/N	47/NNE	49/N	43/N	30/NNE	36/ENE	67/NNE	95/NNE	69/N	50/N	42	95/NNE
07/13	50/N	45/N	52/NNW	38/NNW	40/N	47/NNW	24/N	39/N	53/N	55/N	33/NE	39/NNE	61/NNE	63/NNE	64/N	58/NNE	57/N	60/N	52/NNW	86/N	99/N	104/N	88/N	59/NNE	57	104/N
07/14	58/NNE	59/N	51/N	48/N	43/N	50/NNW	52/NNW	62/NNW	76/N	88/N	87/NNE	74/NNE	63/NNE	67/NNE	53/N	55/NNW	57/NW	57/NW	57/NNW	33/N	47/NW	18/NW	8/WNW	14/WNW	53	88/N
07/15	14/N	38/N	41/N	45/NNE	50/NNE	50/N	52/N	40/NNW	10/WNW	23/NW	6/WSW	8/ESE	5/N	36/N	45/N	39/NNE	34/N	27/N	25/NNW	24/NNW	18/NNW	12/WNW	18/SW	22/SSW	28	52/N
07/16	9/ESE	20/NNE	28/N	22/N	23/NNW	26/NNW	24/N	30/N	24/NNW	12/WSW	20/SW	28/S	9/SSW	7/NNW	24/N	39/N	29/N	31/N	26/N	29/N	27/NNW	18/NNE	11/ESE	14/ESE	22	39/N
07/17	9/ENE	9/NE	23/NNE	40/N	44/N	43/N	51/N	49/N	52/N	21/N	19/E	31/ESE	38/E	39/E	26/E	35/NE	58/NNE	55/NNE	44/NNE	46/N	47/NNW	37/NNW	14/NNW	22/NW	36	58/NNE
07/18	43/NNW	49/N	43/N	34/N	61/N	71/NNE	75/NNE	77/N	70/N	63/N	48/N	67/N	91/NNE	115/NE	112/NE	69/NE	53/NNE	70/N	64/NNW	52/NNW	36/NNW	31/NNW	31/NNW	29/NNW	61	115/NE
07/19	19/NNW	20/NNW	40/NNW	24/NNE	44/N	63/N	54/N	44/N	48/N	49/NNW	45/N	28/N	6/WNW	8/S	15/ESE	37/ENE	23/E	19/NE	40/N	28/N	20/NNW	9/NNW	17/WSW	16/W	30	63/N
07/20	12/NNW	9/NNW	18/WNW	34/WNW	31/NNW	18/N	47/N	51/NNW	52/N	47/N	49/N	57/N	28/N	39/NNE	65/NE	75/NE	116/ENE	98/ENE	26/NE	55/NNE	43/N	27/NNW	19/NW	22/WNW	43	116/ENE
07/21	22/N	23/NNW	53/NNW	67/NNE	91/N	74/NNE	59/N	66/NNE	64/NNE	62/N	70/N	61/N	64/NNW	42/NNW	46/NNE	67/NNE	96/NE	86/NNE	134/NE	70/NNE	53/NNE	30/NNW	10/NW	7/NW	59	134/NE
07/22	14/WNW	21/N	40/NNW	57/N	90/N	101/N	73/N	62/NNW	71/NNE	54/N	65/NNE	58/N	59/N	66/NNW	68/NNW	75/NNW	86/N	101/NNE	141/NE	125/NE	61/NNE	44/NNE	25/N	11/W	65	141/NE
07/23	28/W	34/WNW	30/NNW	33/NNW	75/N	94/N	102/N	75/N	55/N	62/NNE	55/N	57/N	52/N	61/NNW	71/NNW	89/NNW	111/NNW	104/N	108/N	127/NNE	141/NNE	54/N	33/N	11/N	69	141/NNE
07/24	5/S	10/WNW	25/N	38/NNW	40/NNW	78/N	101/N	102/N	89/N	65/NNE	80/NNE	64/NNE	56/NNW	66/NNW	67/NNW	75/NNW	90/NNW	108/NNW	120/N	125/N	150/N	103/N	55/NNE	34/NNW	73	150/N
07/25	16/N	9/W	5/W	15/N	20/N	62/NNW	92/N	98/N	99/N	75/N	64/NNE	62/NNE	59/N	55/N	54/NNW	66/NNW	71/NNW	95/NNW	125/NNW	105/N	133/N	112/NNE	69/N	51/NNE	67	133/N
07/26	20/NNW	10/NW	7/WNW	3/W	19/N	20/NW	66/N	98/N	112/N	91/NNE	56/NNE	49/NNE	50/NNE	32/N	45/N	40/NNW	54/NNW	59/NNW	71/N	89/N	91/N	101/N	80/N	33/NNW	54	112/N
07/27	41/N	26/NNW	31/N	22/N	35/N	32/NNW	33/N	81/N	100/N	96/NNE	84/NE	47/NNE	49/NNE	33/NNE	40/N	37/N	36/NNW	53/NNW	52/NNW	51/N	74/N	84/NNE	82/NNE	53/NNE	53	100/N
07/28	38/N	37/N	28/N	32/N	30/N	41/N	40/N	53/N	81/N	93/NNE	99/NNE	79/NE	36/NNE	52/NNE	42/NNE	53/NNE	43/NNE	48/NNW	59/NNW	43/NNW	33/N	58/N	49/NNE	57/NNE	51	99/NNE
07/29	30/NNE	49/N	41/NNE	43/N	36/NNE	41/NNE	38/N	37/NNW	29/NNE	47/NNE	92/NE	62/ENE	38/ENE	24/NE	39/N	40/NNE	46/NNE	40/NNE	32/NNE	37/NNW	23/NW	20/WNW	24/WSW	22/WNW	39	92/NE
07/30	30/NNW	29/NNW	37/NNW	34/NNW	43/N	41/N	39/N	44/N	23/N	10/SSE	17/SE	26/SSE	15/SSE	6/NNW	13/E	26/N	29/N	34/N	23/N	26/N	18/N	17/NW	23/SW	17/S	26	44/N
07/31	24/SSE	11/E	4/NE	28/N	43/N	43/N	44/N	42/N	44/N	38/NNW	8/SSE	15/SE	19/SE	16/E	21/E	12/SSE	26/N	41/NNE	31/N	24/N	28/NNW	24/NNW	21/NNW	12/WNW	26	44/N
平均值	29	30	34	39	49	52	56	59	57	54	53	51	49	51	55	58	60	62	62	57	51	43	34	29		
最大值	85/N	75/N	69/N	73/N	91/N	102/N	102/N	102/N	112/N	96/NNE	99/NNE	79/NE	107/NNE	121/NNE	112/NE	103/N	116/ENE	121/NE	141/NE	127/NNE	150/N	112/NNE	88/N	59/NNE		

[註 1]: 月平均流速= **49cm/s**, 最大流速= **150m/s**, 其流向爲 **N** (去向)。流速分佈: **<25cm/s: 19.7%,25~50cm/s: 36.3%,50~70cm/s: 30.7%,75~100cm/s: 8.3%,>100cm/s: 5.0%**。

[註 2]: 流向分佈: **N~E: 51.3%,E~S: 2.7%,S~W: 2.0%,W~N: 44.0%**, 流向主軸: **N - S** (佔 **38.9%**), 主流向: **N** (佔 **38.4%**)。每小時記錄一次, 本月計 **743**筆 **(100%)**, 資料檔名:**C097TCX0.1HA**。

港灣技術研究中心

表3.3.3　2009 年 08 月 臺中港測站 X 觀測逐時流速及流向月報表

2009年 **8**月 **1**日 **0**時 **0**分 ~ **2009**年 **8**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
08/01	25/W	21/W	15/WSW	30/NW	6/W	17/NW	45/N	51/N	55/N	57/N	48/NNE	27/N	23/NNE	36/ENE	48/NE	35/NE	39/NE	34/NNE	15/N	45/N	42/N	53/NNW	35/NW	40/NNW	35	57/N
08/02	25/N	40/N	33/N	23/NNW	34/NNW	51/N	53/N	56/N	54/NNE	43/N	33/N	7/NNE	4/ESE	5/E	22/NNW	19/NNW	21/NNW	25/NW	25/NNW	26/NNW	24/NW	23/NW	19/WNW	23/WNW	29	56/N
08/03	29/NNW	17/NW	37/N	52/N	56/N	37/N	40/N	65/NNE	67/NNE	71/NNE	70/NNE	59/N	53/NNW	45/N	59/N	96/NE	88/NNE	90/NE	69/NNE	45/N	47/NNE	28/N	31/NW	22/W	53	96/NE
08/04	22/WNW	18/WNW	20/NW	5/NE	21/NNW	44/N	18/N	43/N	50/N	42/N	45/N	41/NNE	45/NNE	38/NNE	36/NE	56/NNE	50/NNE	45/NE	14/ESE	9/WSW	36/N	33/NNW	25/NW	16/WNW	32	56/NNE
08/05	17/W	16/WSW	19/NW	34/NNW	57/N	78/NNW	63/NW	24/NW	47/N	39/NNW	44/N	40/NNW	39/N	35/N	34/N	44/ENE	73/NE	74/ENE	105/N	74/N	29/N	40/N	32/N	20/NNW	45	105/N
08/06	17/NW	24/WNW	28/NW	18/WNW	45/NW	36/WNW	33/WNW	9/NNE	22/NNE	38/NNE	30/N	26/N	30/NNW	27/NNW	21/NNW	21/NW	38/W	67/SW	44/SW	29/WSW	36/WSW	45/W	45/W	53/W	33	67/SW
08/07	66/W	71/WSW	77/W	80/W	87/W	102/W	113/W	129/W	140/WNW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	96	140/WNW
08/08	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08/09	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08/10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08/11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08/12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08/14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08/16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08/18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08/19	*	*	*	*	*	*	*	*	*	*	47/NNW	48/N	51/NNW	58/NNW	32/N	29/ENE	43/NE	28/NE	19/N	69/NNE	65/NE	43/NNE	29/N	25/N	42	69/NNE
08/20	22/N	36/NNW	43/NNW	24/NNW	31/NW	18/NNW	29/N	55/N	58/N	48/NNW	43/N	45/NNW	43/NNW	55/N	64/N	52/NNW	55/NNE	86/NE	75/NE	46/NNE	76/NNE	52/NNW	40/NW	26/WNW	47	86/NE
08/21	17/W	8/NNW	25/N	40/NNW	25/N	40/N	27/N	38/N	50/NNW	46/NNW	40/NNW	40/NNW	37/NNW	38/N	48/N	55/N	29/NNE	43/NNE	50/ENE	30/ENE	45/NNE	61/N	40/N	28/NNW	38	61/N
08/22	55/N	29/NNE	43/NNE	50/ENE	30/ENE	45/NNE	61/N	40/N	28/NNW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	42	61/N
08/23	13/NW	11/WNW	17/NW	20/NNW	44/NNW	18/NW	27/W	19/WNW	11/W	41/N	38/NNW	30/NNW	15/W	17/NW	17/NNW	14/NNW	32/WNW	26/W	30/WSW	31/SW	19/NW	19/NNW	26/NNW	19/NNW	23	44/NNW
08/24	11/ENE	7/NNW	18/WNW	15/WNW	29/NNW	35/NNW	19/WNW	36/NNW	15/NNE	10/NNE	43/N	35/NNE	31/N	25/N	23/N	24/N	32/N	49/N	21/NNW	7/N	42/NE	43/N	42/N	48/N	28	49/N
08/25	35/N	39/N	40/N	35/N	42/NNW	54/NNW	50/NNW	19/NNW	22/N	12/NNE	33/N	48/N	44/N	40/N	42/N	39/NNW	36/NNW	47/N	49/NNW	35/WNW	25/WSW	18/WNW	33/NNW	48/NNW	37	54/NNW
08/26	44/N	38/N	31/N	41/NNW	38/N	47/N	63/NNW	33/N	24/NE	16/E	9/NE	45/N	61/NNE	60/NNE	45/NNE	40/N	41/NNE	42/NNW	54/NNW	54/NNW	26/N	23/N	30/N	50/N	40	63/NNW
08/27	60/N	51/N	58/N	58/N	58/N	65/N	63/NNW	62/NNW	31/NNW	24/NNE	15/NNE	29/NE	56/N	66/NNE	63/NNE	56/NNE	49/N	51/NNW	60/NNW	65/NNW	60/NNW	54/NNW	46/N	43/N	52	66/NNE
08/28	54/N	56/NNW	45/N	39/NNW	43/N	44/N	60/N	61/N	62/N	32/N	28/NNE	34/NE	37/NNE	60/NNE	61/NNE	52/NNE	35/NNE	24/NNE	29/NNE	33/NNE	35/N	40/NNW	36/NNW	36/NNW	43	62/N
08/29	38/NNW	38/NNW	43/NNW	45/N	48/N	46/N	50/N	49/N	53/N	47/NNW	37/NNW	12/NW	17/NW	23/NNW	34/N	33/N	27/N	22/N	20/N	26/NW	21/NNW	21/NNW	24/NNW	20/NW	33	53/N
08/30	10/WNW	10/NW	25/N	23/N	36/N	46/N	46/N	47/N	44/N	41/N	41/N	33/NNW	27/NW	20/NNW	22/NNW	25/NNW	26/NNW	25/N	20/N	20/WNW	18/W	23/W	28/W	28/W	29	47/N
08/31	24/W	21/WNW	17/WNW	21/NW	29/N	42/NNE	42/N	45/N	43/N	38/NNE	34/N	35/NNW	25/NW	22/W	18/WSW	18/WSW	24/WNW	27/NNW	17/N	23/N	19/NNE	13/NNW	12/NW	12/NW	26	45/N
平均值	31	29	33	34	40	45	47	46	46	38	38	35	35	37	38	39	41	45	40	37	37	35	32	31		
最大值	66/W	71/WSW	77/W	80/W	87/W	102/W	113/W	129/W	140/WNW	71/NNE	71/NNE	59/N	61/NNE	66/NNE	64/N	96/NE	88/NNE	90/NE	105/N	74/N	76/NNE	61/N	46/N	53/W		

[註 **1**]: 月平均流速= **38cm/s**, 最大流速= **140m/s**, 其流向爲 **WNW**(去向)。流速分佈: <**25cm/s: 27.0%**,**25~50cm/s: 51.8%**,**50~70cm/s: 18.0%**,**75~100cm/s: 2.0%**,>**100cm/s: 1.1%**。

[註 **2**]: 流向分佈: **N~E: 30.9%**,**E~S: .7%**,**S~W: 5.0%**,**W~N: 63.4%**, 流向主軸: **N - S** (佔 **35.0%**), 主流向: **N** (佔 **35.0%**)。每小時記錄一次, 本月計 **440**筆 (**59%**), 資料檔名:**C098TCX0.1HA**。

港灣技術研究中心

表3.3.4　2009 年 09 月 臺中港測站 X 觀測逐時流速及流向月報表

2009年 **9**月 **1**日 **0**時 **0**分 ～ **2009**年 **9**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
09/01	19/NNW	14/NW	14/NNW	10/WNW	19/NNW	30/N	43/N	45/N	44/N	44/N	44/N	43/NNW	40/N	31/NW	20/SW	17/WSW	23/WNW	35/W	35/W	24/WNW	22/WNW	18/W	30/W	25/W	29	45/N
09/02	27/W	24/W	20/W	12/SW	14/W	20/NW	40/N	44/N	49/N	44/N	45/N	42/N	43/NNW	40/NW	42/WSW	38/W	39/W	35/W	41/W	42/W	25/W	29/W	40/W	33/WNW	34	49/N
09/03	28/WSW	37/W	31/WNW	28/W	25/W	15/WNW	30/NW	39/N	37/N	39/N	36/N	42/N	36/N	32/NNW	22/W	47/W	50/W	41/W	35/W	49/WSW	45/WNW	16/W	30/W	17/SW	34	50/W
09/04	43/WSW	40/WSW	37/W	32/W	32/WSW	21/W	22/WNW	37/NNW	24/NNW	20/NNW	17/N	22/NNW	16/NW	20/WNW	40/WNW	50/W	50/W	45/W	33/W	39/W	33/W	22/WSW	35/WSW	25/WSW	32	50/W
09/05	24/WSW	35/W	31/WNW	25/W	22/SW	30/WSW	18/WSW	31/NW	31/N	17/NNW	16/NNW	12/NNW	10/WNW	15/W	29/W	36/W	47/W	53/W	44/W	32/W	33/W	22/WSW	20/SW	22/WSW	27	53/W
09/06	27/WSW	29/WSW	12/W	19/NW	15/WNW	25/WSW	26/WSW	17/W	25/N	16/N	8/WNW	11/W	23/WNW	21/W	22/W	19/W	25/W	30/W	33/WSW	22/WSW	18/WNW	3/NNE	17/WSW	25/WSW	21	33/WSW
09/07	29/WSW	36/W	36/WSW	23/WNW	18/WNW	15/SW	24/WSW	23/SW	10/NNW	33/N	23/NNE	13/NNE	9/N	7/NNW	14/NNW	7/NNW	31/NNW	34/WNW	32/WNW	26/WNW	26/W	19/NW	17/W	25/W	22	36/WSW
09/08	36/W	38/W	34/W	30/WNW	23/WNW	21/W	40/WSW	25/W	13/WNW	20/NNW	26/NNW	12/NW	15/WSW	25/W	34/WSW	38/W	37/W	47/W	40/W	27/W	18/WSW	17/W	9/WNW	11/SW	27	47/W
09/09	26/SW	28/WSW	35/WSW	21/WNW	15/NW	29/NW	30/WNW	23/WSW	17/NW	8/WSW	20/NNW	21/NNW	15/NW	21/WNW	27/WNW	35/WSW	42/W	42/WSW	68/WNW	56/WNW	48/WNW	36/W	33/W	34/W	31	68/WNW
09/10	26/W	31/W	25/W	18/WNW	22/NNW	39/NW	33/WNW	13/WNW	5/N	5/SSW	5/ESE	28/NE	15/ENE	11/WNW	13/WNW	17/WNW	22/WNW	32/WNW	29/WNW	42/W	17/W	21/WNW	21/NNW	38/NNE	22	42/W
09/11	35/NNE	38/NNE	37/NNE	37/NNE	40/NNE	45/NNE	50/N	37/N	65/NNE	75/NNE	38/NE	54/NNE	64/NNE	47/NNE	59/NNE	43/NNE	40/NNW	38/NNW	51/N	48/N	26/NNW	18/NW	28/NW	47/N	44	75/NNE
09/12	54/N	49/NNE	55/N	52/N	48/NNW	54/NNW	67/N	66/NNW	38/N	30/NNE	22/ENE	17/NNW	42/N	62/NNE	54/NNE	40/N	36/N	28/N	27/N	28/NNW	37/NNW	21/NW	18/NNW	29/NNW	41	67/N
09/13	47/NNW	43/NNW	48/N	45/N	46/N	49/N	51/N	55/N	44/NNW	31/NW	36/NNW	29/N	38/NNW	36/NNW	27/N	41/N	49/N	48/N	35/N	39/N	36/NNW	33/NNW	23/N	24/N	40	55/N
09/14	28/N	37/NNE	55/N	74/NNE	72/NNE	81/NNE	82/N	82/NNE	81/N	67/N	52/NNE	39/NNE	39/NE	44/NE	32/NNE	59/NNE	84/NNE	83/NNE	70/NNE	56/N	44/N	44/NNW	44/NNW	43/NNW	58	84/NNE
09/15	33/NNW	28/NNW	26/NNW	50/N	58/N	60/N	66/N	62/N	51/N	55/N	56/N	47/NNE	13/NNE	13/ENE	18/SE	9/SE	30/NNE	58/NNE	43/NNE	28/N	33/NW	26/NNW	26/WNW	23/WNW	38	66/N
09/16	29/NW	19/NNW	12/N	22/NNW	40/NNW	52/N	53/N	49/NNE	43/N	41/N	41/N	33/N	40/N	27/NW	18/NNW	12/SSE	11/SW	14/NNW	28/N	12/N	6/NW	20/WSW	33/W	20/WNW	28	53/N
09/17	25/WNW	15/NW	11/W	12/W	16/WNW	16/N	43/N	35/NNE	32/N	28/N	19/NNW	24/N	27/N	37/N	46/NW	28/NW	22/NNW	16/W	15/NNW	30/N	13/NNW	13/WNW	31/W	28/W	24	46/NW
09/18	15/WNW	26/WNW	27/WNW	22/W	15/WSW	6/SW	15/NNW	34/N	31/N	28/N	21/N	21/NW	25/NNW	29/N	51/NNW	31/NNW	28/SE	24/SSE	10/S	37/NE	27/N	14/N	10/NW	15/WSW	24	51/NNW
09/19	29/W	25/NW	33/NNW	20/NW	18/W	30/WSW	19/SW	20/N	27/NNW	11/NW	18/WNW	30/WNW	28/WSW	18/WNW	24/WNW	26/W	21/W	21/W	35/W	37/W	36/W	32/W	46/WSW	57/WSW	27	57/WSW
09/20	58/WSW	53/WSW	42/W	32/W	29/W	33/W	27/W	26/WNW	23/WNW	28/WSW	42/SW	45/WSW	45/WSW	42/WSW	43/W	31/W	29/WNW	37/WNW	26/W	19/W	17/WSW	20/W	32/W	29/SW	34	58/WSW
09/21	34/WSW	35/W	34/W	18/NW	26/WNW	23/W	5/W	8/SSE	5/E	22/N	9/NNW	17/W	19/WSW	33/W	26/SW	21/W	17/WNW	26/W	30/W	19/W	24/NNW	29/N	17/NNW	14/WNW	21	35/W
09/22	13/W	13/WSW	10/W	14/NW	29/NNW	34/WNW	29/WNW	39/WNW	9/NW	9/NW	30/N	21/NNW	10/NW	18/WNW	23/NW	18/NW	20/N	18/NNW	16/NW	14/NE	17/NNW	21/N	32/N	32/N	20	39/WNW
09/23	32/N	31/N	27/N	42/NNW	41/NNW	40/NW	21/NW	14/WNW	10/NW	24/NNW	31/NNW	34/N	26/NNW	22/N	12/NNW	17/WNW	19/NNW	11/NNW	17/WNW	23/WSW	11/NW	22/NNW	36/NNW	42/NNW	25	42/NNW
09/24	33/NNW	39/NNW	42/NNW	50/NNW	47/NNW	54/NNW	37/NW	22/NW	23/NNE	12/NE	18/N	43/N	40/N	35/N	29/N	16/NW	30/WNW	38/WNW	47/WNW	53/W	48/W	41/W	29/W	15/NW	35	54/NNW
09/25	21/NNW	24/N	31/N	32/NNW	42/NNW	48/NNW	54/NNW	35/NW	16/W	12/WNW	14/NW	33/NNW	48/N	38/N	35/N	30/N	25/N	25/N	21/NNW	17/WNW	35/WNW	38/W	40/W	32/W	31	54/NNW
09/26	18/WNW	15/NW	20/N	24/NNW	31/N	35/NNW	39/NNW	42/NNW	28/NW	13/WNW	11/N	15/NW	27/NNW	43/N	42/N	41/N	36/N	18/NW	19/NW	25/NW	29/NW	32/WNW	25/W	21/W	27	43/N
09/27	25/N	45/N	46/N	53/N	62/NNE	66/N	64/N	59/N	49/N	43/NNW	23/NNW	16/NW	25/NNW	36/N	49/N	48/NNE	47/NNE	48/NNE	52/NNE	46/NNE	52/NNE	48/NNE	43/N	37/N	45	66/N
09/28	46/N	62/N	66/NNE	68/NNE	75/NNE	77/N	77/N	62/N	65/N	66/N	49/N	35/N	30/NNW	26/N	27/N	46/NNE	58/N	65/N	61/N	57/NNE	51/N	43/N	39/N	27/NNW	53	77/N
09/29	29/NNW	42/NNW	37/NNW	37/N	59/N	72/N	77/N	68/N	69/N	72/N	57/N	44/N	25/NNW	13/NNE	31/NNE	43/NNE	53/NNE	82/NNE	89/NNE	72/NNE	75/NNE	70/N	69/N	70/N	57	89/NNE
09/30	63/N	45/N	44/N	54/N	67/N	82/N	77/N	83/N	84/N	77/NNE	75/N	64/N	61/N	31/N	23/NNE	17/NNE	38/N	37/NNE	49/NNE	32/NNE	27/NNW	26/NNW	29/NW	24/NW	50	84/N
平均值	32	33	33	33	36	40	42	40	35	33	30	30	30	29	31	31	35	38	38	35	31	27	30	29		
最大值	63/N	62/N	66/NNE	74/NNE	75/NNE	82/N	82/N	83/N	84/N	77/NNE	75/N	64/N	64/NNE	62/NNE	59/NNE	59/NNE	84/NNE	83/NNE	89/NNE	72/NNE	75/NNE	70/N	69/N	70/N		

[註 1]: 月平均流速= **33cm/s**, 最大流速= **89m/s**, 其流向爲 **NNE**(去向)。流速分佈: <**25cm/s: 34.0%**,**25**~**50cm/s: 51.9%**,**50**~**70cm/s: 11.7%**,**75**~**100cm/s: 2.4%**,>**100cm/s: .0%**。

[註 2]: 流向分佈: **N**~**E: 24.7%**,**E**~**S: 1.1%**,**S**~**W: 17.4%**,**W**~**N: 56.8%**, 流向主軸: **N - S** (佔 **25.8%**), 主流向: **N** (佔 **25.7%**)。每小時記錄一次, 本月計 **720**筆 **(100%)**, 資料檔名:**C099TCX0.1HA**。

港灣技術研究中心

表3.3.5　2009 年 10 月 臺中港測站 X 觀測逐時流速及流向月報表

2009年**10**月 **1**日 **0**時 **0**分 ～ **2009**年**10**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
10/01	16/NW	13/WNW	13/W	25/NW	15/NNW	31/N	51/N	44/N	39/N	34/N	32/N	29/NNW	39/NNW	35/NW	18/W	18/WSW	13/WSW	22/NNW	35/N	28/NNW	21/N	23/NNW	15/WNW	10/WNW	26	51/N
10/02	17/W	20/NW	8/WNW	20/W	43/NW	24/N	30/N	28/N	23/NNW	19/WNW	22/W	30/W	36/WNW	32/W	51/W	51/W	51/W	41/W	47/W	51/W	54/WSW	62/WSW	69/WSW	61/WSW	37	69/WSW
10/03	71/WSW	62/WSW	61/WSW	55/WSW	44/WSW	46/WSW	44/WSW	52/SW	56/WSW	70/WSW	71/WSW	75/WSW	69/WSW	64/WSW	59/WSW	61/WSW	69/W	60/WSW	63/WSW	71/WSW	74/WSW	77/WSW	80/WSW	78/WSW	64	80/WSW
10/04	80/WSW	85/WSW	77/WSW	69/WSW	70/WSW	62/WSW	60/WSW	67/WSW	72/WSW	77/WSW	90/WSW	90/WSW	96/WSW	87/WSW	86/WSW	90/WSW	81/W	83/WSW	81/WSW	89/WSW	106/WSW	115/WSW	125/WSW	128/WSW	86	128/WSW
10/05	122/WSW	119/WSW	111/WSW	95/WSW	81/WSW	78/WSW	71/WSW	66/WSW	68/WSW	71/WSW	86/WSW	85/WSW	85/WSW	80/WSW	78/WSW	69/WSW	62/WSW	43/WSW	61/W	59/W	47/WSW	57/WSW	74/WSW	70/WSW	77	123/WSW
10/06	68/WSW	76/WSW	83/WSW	76/WSW	67/WSW	77/WSW	78/WSW	77/WSW	89/WSW	96/WSW	114/WSW	111/WSW	118/WSW	124/WSW	119/WSW	126/WSW	118/WSW	117/WSW	111/WSW	106/WSW	111/WSW	115/WSW	125/WSW	120/WSW	101	126/WSW
10/07	120/WSW	122/WSW	110/WSW	111/WSW	99/WSW	82/WSW	81/WSW	77/WSW	80/WSW	98/WSW	102/WSW	100/WSW	101/WSW	110/WSW	101/WSW	98/WSW	93/WSW	94/WSW	79/WSW	83/WSW	83/WSW	88/WSW	91/WSW	100/WSW	96	122/WSW
10/08	96/WSW	100/WSW	101/WSW	92/WSW	93/WSW	76/WSW	71/WSW	63/SW	59/WSW	66/WSW	79/SW	87/WSW	92/WSW	93/WSW	86/WSW	95/WSW	94/WSW	76/WSW	70/WSW	63/WSW	57/WSW	50/WSW	65/WSW	55/WSW	78	102/WSW
10/09	60/WSW	43/WSW	47/WSW	43/WSW	50/WSW	39/WSW	26/WSW	30/W	27/W	27/NW	28/W	40/W	39/W	41/WSW	42/WSW	49/WSW	57/WSW	63/WSW	64/WSW	67/WSW	58/WSW	68/WSW	65/WSW	62/WSW	47	68/WSW
10/10	56/WSW	56/WSW	52/WSW	47/WSW	35/WSW	39/WSW	34/WSW	27/W	23/W	32/NW	46/NNW	53/NW	33/W	31/W	31/W	43/WNW	45/WSW	47/WSW	47/WSW	45/WSW	45/WSW	47/WNW	40/W	35/W	41	56/WSW
10/11	28/WNW	22/NW	30/NW	60/NNW	42/NNW	37/NNW	35/NNW	28/NNW	21/WNW	18/W	31/WNW	38/W	29/WSW	23/W	30/W	28/WSW	29/SW	41/SW	45/WSW	52/WSW	43/WSW	41/WSW	48/WNW	38/W	35	60/NNW
10/12	24/WNW	26/WNW	16/NW	23/NNW	30/NW	31/NNW	27/NNW	20/NW	21/W	10/W	20/WSW	22/WSW	18/WSW	26/WSW	29/W	14/WSW	35/W	32/W	32/WSW	33/WSW	37/WSW	44/WSW	48/WSW	45/W	28	48/WSW
10/13	27/W	20/W	9/NNW	19/NNW	26/NNW	34/NW	35/NNW	32/NNW	33/NNW	19/WNW	21/WSW	35/W	27/W	29/WNW	23/W	16/WNW	13/NW	29/WNW	18/WNW	32/WNW	45/WNW	41/WSW	42/WSW	43/WSW	28	45/WNW
10/14	46/WNW	29/W	23/W	15/WSW	15/NW	15/NNW	14/WNW	12/WSW	36/W	29/SW	43/SW	49/WSW	42/WSW	44/WSW	42/WSW	45/WSW	48/SW	51/WSW	54/WSW	66/WSW	79/WSW	77/WSW	76/WSW	67/WSW	42	79/WSW
10/15	59/WSW	46/WSW	36/W	20/W	20/W	28/NW	28/WNW	21/W	30/W	41/WNW	33/W	45/W	43/W	51/W	39/W	49/W	40/WNW	52/W	51/WNW	53/W	51/WSW	55/WSW	51/WSW	50/WSW	41	59/WSW
10/16	43/WSW	34/WSW	29/W	27/WNW	45/NNW	31/N	35/N	25/NNE	27/NNE	16/N	6/NNW	13/WNW	18/WNW	27/WNW	23/W	19/W	21/W	38/NW	15/N	15/NNW	16/NNW	9/NW	25/WNW	21/WNW	24	45/NNW
10/17	23/NW	20/NW	12/W	35/W	32/NW	15/W	18/N	29/N	16/N	23/WNW	34/W	34/WNW	46/W	49/W	48/W	44/WSW	58/WNW	42/W	34/W	40/WNW	30/W	39/WSW	37/WSW	43/WSW	33	58/WNW
10/18	43/WSW	43/W	32/WSW	27/WSW	32/W	22/WNW	14/W	15/NE	18/ENE	7/ENE	2/NNE	9/SSW	26/WSW	21/W	24/WNW	23/W	26/WSW	27/W	17/NNW	17/NE	27/NE	21/NE	17/NE	15/NE	22	43/WSW
10/19	15/N	16/NNE	19/N	52/NNW	57/NNE	74/NNE	59/N	21/N	58/NNE	36/NNE	19/N	13/NNW	12/NW	11/NW	25/NW	36/NNW	22/NW	28/WNW	17/WNW	28/NNW	30/N	25/N	21/NNW	16/WNW	30	74/NNE
10/20	23/WNW	29/WNW	24/WNW	23/NW	25/W	41/WNW	20/NNW	13/NNW	8/WNW	19/WNW	25/W	30/WSW	50/SW	54/WSW	50/WSW	53/WSW	58/W	49/WSW	60/W	49/W	41/W	38/WSW	36/WSW	42/WSW	36	60/W
10/21	39/WSW	40/W	40/WSW	38/WSW	49/WSW	44/WSW	58/SW	47/WSW	52/WSW	56/WSW	64/WSW	77/WSW	74/WSW	80/WSW	77/WSW	79/WSW	85/WSW	80/WSW	79/WSW	68/WSW	66/WSW	67/WSW	72/WSW	71/WSW	63	85/WSW
10/22	74/WSW	75/WSW	72/WSW	69/WSW	69/WSW	64/WSW	65/SW	65/WSW	60/SW	66/SW	75/SW	71/SW	91/WSW	90/WSW	83/WSW	88/WSW	77/WSW	92/WSW	88/WSW	69/WSW	74/WSW	67/SW	76/SW	76/WSW	75	92/WSW
10/23	84/WSW	82/WSW	66/WSW	79/WSW	71/WSW	67/SW	61/WSW	56/WSW	50/SW	52/SW	55/SW	62/SW	66/WSW	73/SW	76/WSW	90/WSW	92/WSW	88/WSW	82/WSW	83/WSW	71/WSW	65/WSW	74/WSW	76/WSW	72	92/WSW
10/24	71/WSW	70/WSW	65/WSW	73/WSW	61/WSW	60/WSW	61/WSW	52/WSW	50/SW	46/WSW	50/WSW	61/WSW	71/WSW	83/WSW	84/WSW	92/WSW	96/WSW	95/WSW	96/WSW	99/WSW	92/WSW	84/WSW	86/WSW	84/WSW	74	99/WSW
10/25	83/WSW	76/WSW	75/WSW	69/WSW	69/WSW	63/WSW	69/WSW	67/WSW	61/SW	57/SW	54/WSW	58/SW	68/WSW	71/SW	74/WSW	72/WSW	78/WSW	77/WSW	80/WSW	74/WSW	79/WSW	70/WSW	63/SW	71/WSW	70	83/WSW
10/26	62/SW	66/WSW	59/WSW	55/WSW	41/WSW	45/WSW	45/WSW	46/WSW	47/WSW	51/SW	40/WSW	38/SW	51/SW	53/SW	61/WSW	76/WSW	82/WSW	77/WSW	72/WSW	69/WSW	67/WSW	72/WSW	62/WSW	63/WSW	58	82/WSW
10/27	53/SW	57/SW	45/SW	49/SW	27/WSW	28/WSW	31/WSW	35/WSW	36/WSW	29/SW	22/SW	26/SW	22/SW	20/SW	20/WSW	19/WSW	16/WSW	19/WSW	27/WSW	27/W	25/W	21/W	20/WSW	22/WSW	29	57/SW
10/28	13/SW	7/NE	30/NNE	54/NNE	63/N	48/N	37/NNE	37/NNE	30/NNE	31/NNE	28/N	27/NNE	7/N	7/NE	21/NNE	41/NNE	56/NNE	54/NNE	50/NNE	42/NNE	35/N	38/N	41/NNW	40/NNW	35	63/N
10/29	27/NNW	20/NNW	32/N	52/N	65/N	61/N	61/NNE	53/NNE	54/N	47/N	46/N	44/N	31/NNW	5/NNW	5/ESE	8/NE	38/N	47/N	48/N	44/N	47/N	45/NNE	42/N	40/NNW	40	65/N
10/30	38/NNW	17/N	18/NE	32/NNE	36/NNE	64/N	66/NNE	50/NNE	46/N	38/NNE	42/NNE	33/N	44/N	26/NNW	21/NNE	17/NNE	24/NE	58/NNE	66/NE	56/NNE	42/NNE	45/N	42/NNW	36/NNW	40	66/NNE
10/31	40/NNW	27/NNW	14/WNW	37/NNW	18/NNE	25/N	57/N	55/NNE	45/NNE	37/NNE	36/NNE	36/NNE	39/N	30/N	11/NW	9/NNW	12/NNE	16/N	37/NNE	40/N	35/N	29/N	30/N	30/N	31	58/N
平均值	52	49	46	50	48	47	47	42	43	43	46	49	51	51	50	52	55	56	56	55	55	55	57	55		
最大值	123/WSW	122/WSW	111/WSW	111/WSW	99/WSW	82/WSW	81/WSW	78/WSW	89/WSW	98/WSW	114/WSW	111/WSW	118/WSW	124/WSW	119/WSW	126/WSW	118/WSW	117/WSW	111/WSW	106/WSW	111/WSW	115/WSW	125/WSW	128/WSW		

[註 1]: 月平均流速= **50cm/s**, 最大流速= **128m/s**, 其流向爲 **WSW**(去向)。流速分佈: <**25cm/s: 19.1%**,**25**~**50cm/s: 35.9%**,**50**~**70cm/s: 25.5%**,**75**~**100cm/s: 15.3%**,>**100cm/s: 4.2%**。

[註 2]: 流向分佈: **N**~**E: 12.0%**,**E**~**S: .1%**,**S**~**W: 60.2%**,**W**~**N: 27.7%**, 流向主軸:**WSW-ENE**(佔 **48.9%**), 主流向:**WSW**(佔 **48.7%**)。每小時記錄一次, 本月計 **744**筆 **(100%)**, 資料檔名:**C09ATCX0.1HA**。

港灣技術研究中心

表3.3.6　2009 年 11 月 臺中港測站 X 觀測逐時流速及流向月報表

2009年**11**月 **1**日 **0**時 **0**分 ～ **2009**年**11**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
11/01	35/NNW	32/NNW	17/NNW	7/WSW	13/WNW	5/WSW	40/N	41/NNE	29/N	22/NW	42/WNW	39/WSW	59/WSW	60/WSW	58/WSW	60/WSW	59/WSW	65/WSW	72/WSW	79/WSW	96/WSW	102/WSW	102/WSW	107/WSW	52	107/WSW
11/02	111/WSW	113/WSW	116/WSW	118/WSW	121/WSW	126/WSW	128/WSW	140/WSW	156/WSW	169/WSW	167/WSW	163/WSW	170/WSW	162/WSW	159/WSW	148/WSW	150/WSW	151/WSW	150/WSW	167/WSW	178/WSW	183/WSW	179/WSW	173/WSW	150	183/WSW
11/03	174/WSW	161/WSW	157/WSW	141/WSW	145/WSW	142/WSW	141/WSW	136/WSW	143/WSW	138/WSW	136/WSW	123/WSW	128/WSW	114/WSW	121/WSW	109/SW	88/SW	77/WSW	56/SW	48/WSW	36/WSW	33/W	32/NW	47/NW	110	174/WSW
11/04	65/NW	64/NNW	48/NW	55/NW	43/NNW	19/NNW	*	16/NNE	45/N	72/NNE	69/N	51/N	51/N	40/N	42/N	36/N	17/NNE	5/E	9/NW	19/NNE	62/NNE	68/NNE	56/NNE	55/N	44	72/NNE
11/05	63/N	73/N	77/N	79/N	50/NNW	34/NNE	74/NNE	74/NNE	33/NNE	65/NNE	65/NNE	42/NNE	38/NNE	17/NNW	27/NNW	32/NNW	45/NNW	37/NW	17/NW	26/NW	32/N	57/N	51/N	48/N	48	79/N
11/06	54/N	54/N	61/N	58/N	45/NNW	19/NW	11/N	23/NNE	6/SSE	19/N	44/NNE	33/NNE	24/NNE	13/NNW	13/NNW	10/WNW	13/NW	18/NW	21/NW	26/NNW	10/WNW	33/N	44/N	41/N	29	61/N
11/07	43/N	44/N	45/N	46/N	52/N	35/N	2/ESE	16/E	11/E	9/SSE	35/NNE	41/NNE	29/NNE	19/N	6/NW	11/W	8/NW	9/N	12/NNE	22/NNW	13/NW	19/N	52/NNE	49/NNE	26	52/NNE
11/08	54/N	49/NNE	55/NNE	56/NNE	55/N	56/N	39/NNW	21/WNW	17/WNW	11/NNW	6/W	32/NNE	51/NNE	28/NNE	26/NNE	16/N	17/NE	18/NE	18/NNE	26/N	18/NNE	13/NNE	27/NNE	47/NNE	32	57/N
11/09	48/NNE	53/NNE	56/NNE	54/N	55/N	53/N	53/N	44/N	14/NW	22/NW	28/N	9/ENE	33/NNE	37/NNE	27/NNE	17/NNE	13/NW	8/NE	10/NNW	14/NNW	28/NNW	22/NNW	25/N	42/N	32	56/NNE
11/10	47/N	58/NNE	54/NNE	56/NNE	48/NNE	49/NNE	46/N	53/NNW	62/NNW	29/NW	50/N	56/N	32/NNE	46/NNE	45/NNE	39/NNE	32/NNE	24/N	12/NNW	12/NNW	14/NW	21/NNW	10/NNW	12/WNW	38	63/NNW
11/11	13/NW	27/NNW	23/N	20/NNW	12/NW	16/WNW	30/W	35/WSW	41/WSW	43/WSW	40/WSW	42/WSW	43/WSW	50/WSW	58/SW	65/WSW	66/WSW	61/WSW	57/WSW	62/WSW	61/WSW	62/WSW	57/WSW	51/WSW	43	66/WSW
11/12	42/WSW	34/WSW	31/WSW	20/WSW	8/W	8/WNW	13/W	17/W	20/W	22/W	25/W	26/WSW	28/SW	34/SW	19/SW	14/WNW	25/NNW	28/NW	28/NW	17/WNW	18/W	19/WSW	21/WSW	25/WSW	23	42/WSW
11/13	27/SW	27/WSW	24/W	17/NNW	27/N	15/NNE	17/N	11/N	15/WNW	19/W	25/W	38/W	35/WSW	30/WSW	29/WSW	46/WNW	38/W	27/W	35/WSW	45/WSW	60/WSW	69/WSW	74/WSW	70/WSW	34	74/WSW
11/14	74/WSW	75/WSW	70/WSW	70/WSW	68/WSW	77/SW	83/WSW	82/WSW	89/WSW	87/WSW	91/WSW	80/WSW	81/WSW	66/WSW	63/WSW	53/WSW	49/WSW	47/WSW	49/WSW	55/WSW	51/WSW	49/WSW	44/WSW	34/WSW	66	91/WSW
11/15	42/WSW	32/WSW	30/W	33/WNW	30/NW	21/NW	16/NNW	26/N	30/NNW	40/NNW	33/NW	25/WNW	17/NW	15/NW	18/W	18/W	18/WSW	12/WNW	24/N	36/N	35/N	27/N	39/N	39/N	27	42/WSW
11/16	35/NNW	29/NW	23/WNW	29/N	66/N	44/N	9/NE	41/N	41/N	22/N	23/NNW	22/WNW	29/WNW	40/W	40/W	50/W	59/W	67/WNW	47/WNW	44/WNW	46/W	43/W	51/W	45/W	39	67/WNW
11/17	40/WSW	46/WSW	52/WSW	67/WSW	65/WSW	69/WSW	67/WSW	73/WSW	94/WSW	109/WSW	112/WSW	119/WSW	129/WSW	126/WSW	128/WSW	133/WSW	129/WSW	131/WSW	140/WSW	132/WSW	154/WSW	158/WSW	149/WSW	145/WSW	107	158/WSW
11/18	143/WSW	144/WSW	141/WSW	129/WSW	113/WSW	99/WSW	98/WSW	98/WSW	102/WSW	109/WSW	111/WSW	112/WSW	105/WSW	108/WSW	100/WSW	88/WSW	90/WSW	76/WSW	68/WSW	60/WSW	60/WSW	52/WSW	58/WSW	50/WSW	96	144/WSW
11/19	50/WSW	54/WSW	55/WSW	46/WSW	41/WSW	31/WSW	31/W	35/WNW	28/WNW	29/WNW	36/W	56/WSW	64/WSW	69/WSW	81/WSW	81/WSW	80/WSW	79/WSW	70/WSW	65/WSW	64/WSW	61/WSW	63/WSW	65/WSW	56	81/WSW
11/20	60/WSW	66/WSW	62/WSW	65/WSW	64/WSW	62/WSW	52/WSW	48/WSW	48/WSW	56/WSW	71/WSW	75/WSW	83/WSW	89/WSW	95/WSW	94/WSW	91/WSW	85/WSW	84/WSW	75/WSW	76/WSW	69/WSW	86/WSW	90/WSW	73	95/WSW
11/21	94/WSW	91/WSW	88/WSW	86/WSW	90/WSW	93/WSW	84/WSW	83/WSW	85/WSW	96/WSW	101/WSW	116/WSW	124/WSW	117/WSW	119/WSW	120/WSW	111/WSW	105/WSW	103/WSW	82/WSW	88/WSW	70/WSW	70/WSW	68/WSW	95	124/WSW
11/22	60/WSW	53/WSW	48/WSW	48/WSW	47/WSW	44/WSW	40/SW	40/W	31/WSW	36/W	31/WSW	42/SW	44/SW	58/WSW	60/WSW	72/WSW	67/WSW	72/WSW	76/WSW	74/WSW	66/WSW	59/WSW	54/WSW	49/WSW	53	76/WSW
11/23	57/WSW	52/WSW	60/WSW	54/WSW	54/WSW	52/WSW	41/WSW	40/WSW	30/WSW	33/WSW	25/W	25/WSW	27/W	39/WSW	45/WSW	48/WSW	62/WSW	61/WSW	57/WSW	56/WSW	44/WSW	41/WNW	27/W	20/W	44	62/WSW
11/24	18/W	17/W	10/W	12/W	11/W	19/WSW	25/W	33/WNW	40/W	41/WNW	32/W	28/W	25/WNW	29/W	35/W	42/WSW	50/WSW	52/WSW	46/WSW	41/WSW	40/WSW	37/WSW	39/WSW	34/WNW	32	52/WSW
11/25	24/W	20/W	21/W	17/WSW	14/WSW	13/W	18/WNW	19/WNW	20/W	19/W	18/WSW	23/W	26/WSW	11/W	23/WSW	25/WSW	26/WSW	34/WSW	38/W	38/WSW	38/WSW	38/W	42/W	28/W	25	42/W
11/26	21/WSW	8/NW	19/NNW	21/NNW	22/NW	26/NW	21/NW	17/WNW	13/W	20/W	15/WSW	18/W	19/SW	16/WSW	20/WSW	9/SW	10/SW	21/WSW	19/WSW	24/WSW	25/WSW	26/WSW	27/WNW	28/W	19	28/W
11/27	14/WNW	2/NE	21/NNW	29/N	14/N	14/N	13/N	10/N	9/NW	11/NNW	8/NW	14/W	15/WSW	13/WSW	23/W	16/W	14/WSW	19/WSW	25/WSW	36/WSW	45/WSW	43/WSW	49/WSW	52/WSW	21	53/WSW
11/28	46/WSW	45/WSW	39/WSW	45/SW	48/SW	53/WSW	57/WSW	58/WSW	67/WSW	70/WSW	66/WSW	69/WSW	69/WSW	66/SW	66/WSW	60/WSW	60/WSW	68/WSW	66/WSW	67/WSW	70/WSW	73/WSW	70/WSW	71/WSW	61	73/WSW
11/29	66/WSW	53/WSW	48/WSW	37/WSW	46/WSW	46/WSW	56/WSW	61/WSW	67/WSW	74/WSW	80/WSW	72/WSW	71/WSW	65/WSW	54/WSW	43/WSW	47/WSW	53/WSW	55/WSW	56/WSW	62/WSW	65/WSW	68/WSW	67/WSW	59	80/WSW
11/30	63/WSW	59/WSW	54/WSW	35/WSW	29/WSW	34/SW	44/WSW	56/WSW	64/SW	66/WSW	73/WSW	65/WSW	68/WSW	63/WSW	66/WSW	56/WSW	48/WSW	47/WSW	46/WSW	53/WSW	56/WSW	55/WSW	48/WSW	49/WSW	54	73/WSW
平均值	56	55	54	52	50	46	47	48	48	52	55	55	57	55	56	54	53	52	50	52	55	56	57	57		
最大值	174/WSW	161/WSW	157/WSW	141/WSW	145/WSW	142/WSW	142/WSW	140/WSW	156/WSW	169/WSW	167/WSW	163/WSW	170/WSW	162/WSW	159/WSW	148/WSW	150/WSW	151/WSW	150/WSW	167/WSW	178/WSW	183/WSW	179/WSW	173/WSW		

[註 1]: 月平均流速= **53cm/s**, 最大流速= **183m/s**, 其流向爲 **WSW**(去向)。流速分佈: <**25cm/s: 23.2%**,**25**~**50cm/s: 32.1%**,**50**~**70cm/s: 26.7%**,**75**~**100cm/s: 7.0%**,>**100cm/s: 11.0%**。

[註 2]: 流向分佈: **N**~**E: 15.6%**,**E**~**S: .8%**,**S**~**W: 59.8%**,**W**~**N: 23.8%**, 流向主軸:**WSW-ENE**(佔 **52.3%**), 主流向:**WSW**(佔 **52.2%**)。每小時記錄一次, 本月計 **719**筆 **(100%)**, 資料檔名:**C09BTCX0.1HA**。

3.4　2009年安平港逐時流速及流向月報表

表3.4.1　2008 年 12 月 安平港測站 X 觀測逐時流速及流向月報表

2008年**12**月 **1**日 **0**時 **0**分 ~ **2008**年**12**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
12/01	20/SSE	30/SSE	29/SE	32/SE	25/SSE	14/SSE	7/SW	13/N	38/NNW	38/NNW	43/NNW	28/NNW	4/NNE	11/E	21/SE	28/SE	30/SSE	30/SSE	24/SSE	11/SSE	2/WNW	10/NNW	8/WNW	2/W	21	43/NNW
12/02	12/SSE	33/SE	36/SE	39/SE	33/SE	19/SE	9/SSE	2/NNW	5/NE	14/N	10/N	16/NNW	5/NW	7/SSE	11/SE	29/SE	36/SE	33/ESE	*	*	14/SSE	9/S	14/ESE	11/SSE	18	39/SE
12/03	12/SE	24/SE	25/SE	39/ESE	39/ESE	33/SE	23/E	16/E	10/ENE	10/NNE	14/N	10/NNE	10/N	2/SE	8/SE	16/E	29/SE	34/SE	32/ESE	21/ESE	22/S	13/SSE	5/S	7/S	19	39/ESE
12/04	22/SE	17/SE	28/SE	33/SSE	28/ESE	31/SE	33/SSE	24/SE	12/SSE	3/ESE	*	7/NNE	7/N	4/ENE	19/SSE	25/SE	39/SE	47/SE	49/SSE	34/SE	22/SE	10/ESE	6/NE	7/S	22	49/SSE
12/05	8/SSE	15/SE	30/SSE	35/SE	38/SE	37/SE	37/SE	26/SSE	15/SE	6/ESE	5/N	10/N	6/N	9/N	7/ESE	18/SE	26/SE	34/SE	27/SE	22/SE	18/ESE	10/ESE	5/NE	4/NNW	19	38/SE
12/06	5/N	7/NNE	3/WNW	5/SSE	18/SSE	23/SSE	20/SE	13/SSE	10/SSE	5/SE	3/N	19/NNW	28/NNW	30/NNW	29/NNW	20/NNW	7/NW	7/SSE	4/SE	14/SSE	11/SSE	4/SSE	6/SE	7/NW	12	30/NNW
12/07	15/NNW	21/NNW	28/NNW	18/NNW	5/NNW	2/N	8/SE	12/ESE	15/SSE	16/SSE	6/SE	1/SE	10/N	22/NNW	11/NW	25/NNW	8/N	3/SE	18/SE	25/SSE	32/SSE	15/SE	12/ESE	3/S	14	32/SSE
12/08	*	18/NNW	32/NNW	36/NNW	33/NNW	27/NNW	9/N	2/N	9/E	9/SSE	16/SSE	13/SSE	10/S	8/WNW	19/NW	29/NNW	18/NNW	11/NW	5/SSW	13/SE	25/SSE	31/SE	29/SSE	20/SE	18	36/NNW
12/09	9/SSE	2/WSW	11/NW	21/NNW	22/NNW	17/NW	11/SSW	11/SSE	26/SSE	32/SSE	54/SSE	40/SE	35/SE	26/ESE	17/ESE	9/E	9/ESE	11/SSE	16/SSE	27/SSE	36/SSE	39/SE	46/SE	46/SSE	24	54/SSE
12/10	33/SE	20/SE	6/ESE	7/N	11/NNE	16/N	14/N	6/NW	9/S	24/SSE	28/E	30/E	34/SE	27/SE	*	17/E	11/SE	8/ENE	3/SE	9/S	20/SSE	22/SSE	43/SSE	41/SSE	19	43/SSE
12/11	31/SSE	25/SE	10/SE	4/SSW	17/NNW	32/NNW	35/NNW	31/NNW	19/NW	9/SSW	21/S	32/SSE	47/SSE	33/SSE	35/SE	27/SE	11/ESE	4/NNE	6/NW	6/WNW	9/SSW	19/S	28/SSE	32/SE	22	47/SSE
12/12	36/SE	28/SSE	23/SSE	12/SSE	3/SW	18/NNW	40/NNW	39/NNW	39/NNW	17/N	10/NNE	18/SE	25/ESE	25/ESE	21/SE	17/SE	10/ENE	14/N	16/NNW	25/NNW	15/NNW	2/ENE	8/ESE	21/ESE	20	40/NNW
12/13	37/SSE	40/SSE	34/SSE	15/SE	11/SSW	4/W	20/NNW	48/NNW	50/NNW	44/NNW	22/NNW	8/SSW	13/SE	25/SE	32/SE	29/SE	17/SE	3/NNE	7/NNW	14/NW	16/NNW	5/NNW	11/SSE	30/SSE	22	50/NNW
12/14	43/SSE	50/SSE	44/SSE	28/SSE	11/ESE	9/N	19/NNW	31/NNW	41/NNW	46/NNW	39/NW	17/NNW	8/S	19/SSE	25/SSE	36/SE	22/SE	7/SE	8/NNW	9/N	21/NNW	15/NNW	9/NW	6/SSE	24	50/SSE
12/15	21/SE	34/SSE	32/SSE	*	16/SSE	6/S	20/NW	40/NNW	52/NNW	65/NNW	48/NNW	21/NNE	6/NNE	10/ESE	28/SE	35/SE	35/SE	17/SE	11/SE	2/SW	7/N	19/NNW	19/NNW	4/WNW	24	65/NNW
12/16	11/SE	24/SSE	33/SE	35/SE	28/SSE	16/SE	8/S	14/NNW	32/NNW	46/NNW	48/NNW	40/NNW	16/NNE	12/NNE	13/ESE	27/SE	35/SE	37/SE	21/SE	6/ESE	3/S	*	*	13/NNW	24	48/NNW
12/17	8/WNW	9/S	18/SSE	31/SSE	32/SSE	30/SSE	12/SSE	13/SSW	14/NW	27/NNW	35/NNW	33/NNW	31/N	13/NNE	7/NNE	21/ESE	33/SE	41/SSE	35/SE	22/SE	5/ESE	5/NNE	6/NW	9/NW	20	41/SSE
12/18	7/NNE	13/SSE	18/S	32/ESE	38/SE	44/SSE	40/SSE	23/SSE	10/SSE	6/SE	7/NNW	14/NNW	15/N	15/N	1/ENE	8/SE	23/SE	32/SE	43/SSE	34/SSE	22/SSE	8/SSE	6/NNW	14/NNW	20	44/SSE
12/19	6/NNW	4/NW	5/ESE	20/SSE	26/SE	33/SSE	36/SE	19/SSE	12/SE	12/E	8/NE	5/NNW	7/NW	18/NW	15/NW	12/NNW	6/SW	6/S	24/SSE	27/SSE	23/SSE	16/SSE	10/SSW	10/SW	15	36/SE
12/20	16/NW	26/NNW	16/WSW	15/WSW	12/WSW	7/S	18/SSE	30/S	14/SSE	10/S	8/SSW	8/NW	20/NNW	29/NNW	9/NW	19/NW	4/WNW	13/SSW	18/S	24/SSE	13/SSE	14/S	4/S	5/W	15	30/S
12/21	18/NNW	26/NNW	33/NNW	27/NNW	28/NNW	16/NNW	2/NNW	7/NE	7/ESE	7/E	5/SSW	1/WNW	9/N	17/N	23/NNW	11/NNW	16/N	7/E	19/SSE	24/SSE	23/SE	24/SSE	24/SSE	16/SSE	16	33/NNW
12/22	12/S	6/WSW	9/WNW	13/NNW	13/NW	5/N	5/SSW	15/SSE	23/SSE	29/SSE	25/SSE	19/SE	8/ESE	4/E	7/NNE	4/NNE	4/NNW	2/ESE	4/SE	15/SE	18/SE	26/SSE	19/SE	12/SSE	13	29/SSE
12/23	9/SE	2/NNE	8/NW	11/NNW	9/NNW	4/N	10/NW	5/WNW	4/W	3/S	5/SE	6/S	1/ENE	3/WNW	14/NNW	27/NNW	28/NNW	28/NNW	18/NNW	5/NW	5/E	*	17/SSE	20/SE	10	28/NNW
12/24	11/SSE	10/SW	8/NW	19/NNW	37/NNW	38/NNW	39/NNW	21/NNW	8/NNW	2/WNW	8/SE	14/SE	16/ESE	19/SE	23/SSE	13/SSE	3/SE	7/WNW	7/WNW	5/SW	11/SSW	18/S	26/SSE	26/SSE	16	39/NNW
12/25	30/SSE	28/SSE	13/SSE	12/SSW	13/NW	5/NW	15/NW	24/NNW	26/NNW	7/NW	4/S	13/SE	25/SSE	31/SSE	19/SE	17/SE	3/SE	5/W	8/NW	14/WNW	11/W	10/SSW	18/SE	32/SSE	16	32/SSE
12/26	31/SSE	26/SSE	14/SSE	10/SSW	8/W	11/NW	23/NNW	27/NNW	17/NW	12/NW	2/NNW	9/ESE	20/SE	24/SE	25/SE	17/ESE	8/ESE	10/SSW	11/WSW	14/W	12/SW	17/SSW	9/SE	20/SE	16	31/SSE
12/27	34/SSE	31/SSE	30/SSE	19/S	14/SW	10/W	31/NNW	36/NNW	37/NNW	41/NNW	*	5/NNE	6/ESE	23/SE	24/SE	23/SE	19/ESE	18/SSE	7/WNW	18/WNW	18/NW	13/WNW	4/WNW	*	21	41/NNW
12/28	29/SSE	39/SSE	42/S	*	*	17/SSW	8/WSW	12/NW	30/NW	39/NNW	23/NNW	7/N	6/NE	15/ESE	24/SE	37/SSE	39/SE	30/SSE	23/SSE	4/ENE	2/WSW	1/WSW	17/SSW	17/SSE	21	42/S
12/29	30/SSE	36/SE	37/SSE	40/SSE	26/SE	13/S	12/SW	8/NW	17/NW	18/NW	14/WNW	5/SSW	*	26/SSE	45/SSE	52/SSE	33/SE	19/SE	5/SSE	3/W	9/NNW	8/W	6/SW	15/S	21	52/SSE
12/30	25/SSE	33/SSE	44/SSE	37/SSE	24/SSE	11/S	7/W	14/WNW	22/NW	30/NNW	22/NW	8/WNW	3/ESE	18/SE	36/SSE	38/SSE	30/SE	22/SE	5/E	2/NNE	12/N	11/WNW	11/WSW	14/SSW	20	44/SSE
12/31	16/SE	32/SE	39/SSE	34/SSE	30/SSE	15/S	7/SW	8/NW	21/NW	29/NW	28/NNW	20/NW	10/NW	6/SSE	22/SSE	23/SSE	23/SSE	11/SSE	3/ESE	7/NNW	7/N	12/N	13/NW	3/NNW	17	39/SSE
平均值	20	23	24	23	22	18	19	19	21	21	19	15	15	17	20	23	20	18	16	15	15	14	15	16		
最大值	43/SSE	50/SSE	44/SSE	40/SSE	39/ESE	44/SSE	40/SSE	48/NNW	52/NNW	65/NNW	54/SSE	40/SE	47/SSE	33/SSE	45/SSE	52/SSE	39/SE	47/SE	49/SSE	34/SE	36/SSE	39/SE	46/SE	46/SSE		

[註 1]: 月平均流速= **19cm/s**, 最大流速= **65m/s**, 其流向爲 **NNW**(去向)。流速分佈: <**25cm/s: 70.3%**,**25**~**50cm/s: 29.2%**,**50**~**70cm/s: .5%**,**75**~**100cm/s: .0%**,>**100cm/s: .0%**。

[註 2]: 流向分佈: **N**~**E: 7.9%**,**E**~**S: 53.0%**,**S**~**W: 8.4%**,**W**~**N: 30.7%**, 流向主軸:**SSE-NNW**(佔 **39.0%**), 主流向:**SSE**(佔 **22.5%**)。每小時記錄一次, 本月計 **730**筆 (**98%**), 資料檔名:**C08CAPX0.1HA**。

港灣技術研究中心

表3.4.2　2009 年 01 月 安平港測站 X 觀測逐時流速及流向月報表

2009年 **1**月 **1**日 **0**時 **0**分 ～ **2009**年 **1**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
01/01	5/NNW	11/ESE	21/SE	29/SSE	22/SSE	18/SSE	7/S	8/WNW	25/NW	35/NNW	48/NNW	46/NNW	34/NNW	15/NW	2/NE	15/SSE	14/SSE	13/SE	6/SE	6/W	9/NW	11/NNW	16/NNW	21/WNW	18	48/NNW
01/02	15/W	6/SW	17/SSE	25/SSE	26/SSE	17/S	13/S	8/SW	12/WNW	31/NW	40/NNW	36/NNW	30/NNW	10/NW	3/NE	8/SE	27/SSE	31/SSE	23/SSE	11/SSE	5/SSE	9/NW	20/NNW	23/NW	19	40/NNW
01/03	18/WNW	10/SW	3/ESE	13/SSE	16/ESE	18/SSE	13/SSE	11/SSW	10/WSW	10/WNW	12/NNW	20/NNW	18/N	14/NNW	5/NNE	11/E	22/E	30/SE	36/SE	33/SSE	22/SSE	19/SSE	9/ESE	2/ESE	16	36/SE
01/04	1/ESE	19/SSW	10/SE	18/SE	29/SSE	42/SSE	39/SSE	33/SSE	30/SSE	18/S	*	7/W	3/WNW	5/W	5/S	21/S	29/SSE	42/SSE	39/SSE	39/SSE	30/SSE	21/S	19/S	11/S	22	42/SSE
01/05	3/SW	5/WSW	6/SW	20/SSW	28/S	32/SSE	42/SSE	*	39/SSE	29/SSE	15/S	6/S	4/N	6/ENE	4/ESE	16/SE	24/SE	*	*	*	39/SSE	31/SSE	15/SSE	6/SW	18	42/SSE
01/06	5/W	6/NW	11/NW	5/W	4/W	8/ESE	13/SE	21/SSE	19/SSE	*	*	*	7/ESE	5/NNW	7/NW	1/SSE	13/S	24/SE	23/SE	21/SE	33/SSE	36/SSE	29/SSE	14/S	14	36/SSE
01/07	4/SSE	6/NW	10/NW	7/NW	8/WNW	5/NW	6/S	20/S	32/SSE	*	28/SSE	22/SSE	9/ESE	4/E	6/N	5/N	3/NNE	5/S	16/SE	25/SSE	32/SSE	29/SSE	27/SSE	24/SSE	15	32/SSE
01/08	11/SSW	5/NW	9/WNW	17/NNW	21/NW	16/NW	7/NW	3/W	15/S	25/SSE	30/SSE	28/SSE	18/SSE	10/SE	4/NW	6/NE	10/NNW	9/NW	5/W	11/S	15/SE	26/SE	32/SSE	32/SSE	15	32/SSE
01/09	*	10/ESE	4/SW	10/W	20/NW	22/NW	19/NW	13/NW	10/NNE	14/SE	31/SSE	36/SSE	38/SSE	28/SSE	18/SE	6/ESE	3/S	5/NW	8/NNW	0/W	7/S	22/SSE	25/SE	43/SSE	17	43/SSE
01/10	45/SSE	31/SE	18/SE	7/E	6/N	13/NW	18/NNW	15/NNW	12/NNW	4/E	15/SE	34/SE	38/SSE	38/SSE	40/SSE	35/SE	16/SSE	8/SSE	10/W	7/W	9/WSW	20/S	29/S	37/SSE	21	45/SSE
01/11	36/SSE	35/SSE	29/S	19/S	9/W	16/WNW	26/NW	36/NW	35/NW	28/NW	10/NNW	4/NNE	19/SSE	29/SE	28/SE	30/SSE	14/SE	11/SE	7/W	23/NW	11/WNW	10/W	16/SSW	16/SSE	21	36/NW
01/12	23/SSE	28/SSE	25/S	19/S	19/SW	21/WNW	33/NW	24/NNW	33/NNW	40/NNW	30/NNW	7/NNE	10/SE	25/SSE	43/SSE	45/SSE	19/SE	8/SE	6/NNW	13/NW	14/NNW	15/NW	5/NNW	11/SSE	22	45/SSE
01/13	27/SE	41/SSE	36/SSE	31/SSE	19/SSE	2/W	6/WSW	33/NW	48/NNW	42/NNW	32/NNW	24/NNW	4/NNW	12/SE	27/SSE	35/SSE	25/SSE	10/SE	5/NNW	13/NW	27/NW	32/NW	27/NW	20/NW	24	48/NNW
01/14	8/W	11/SE	31/SSE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9/SW	14/W	31/NW	*	17	31/NW
01/15	12/W	15/SW	21/SSE	29/S	37/S	31/SSE	16/S	11/SW	9/WNW	37/NNW	52/NNW	43/NNW	16/NNW	*	11/ESE	24/SE	39/SE	38/SSE	24/SSE	8/S	7/WNW	23/NW	23/NW	17/WNW	24	52/NNW
01/16	17/W	17/WSW	22/SSW	23/SSE	32/SSE	32/S	13/SSE	8/SSW	8/WSW	30/NW	40/NNW	35/NNW	30/NW	16/NW	4/NNE	10/SSE	28/SSE	34/SSE	24/SSE	18/S	10/SSW	13/W	23/WNW	30/NW	22	40/NNW
01/17	20/WNW	12/W	17/SSW	12/SSW	16/SSE	34/S	31/S	*	11/SW	13/SSW	8/WSW	9/NW	5/W	7/S	17/SE	25/ESE	34/SE	48/SSE	50/SSE	35/SSE	27/S	12/WSW	15/W	20/NW	21	50/SSE
01/18	6/N	10/WNW	13/W	13/SSW	17/S	14/SSE	31/SSE	34/SSE	32/S	15/SSE	10/S	8/SW	2/WSW	5/SE	21/SSE	25/SSE	33/SSE	38/SSE	49/SSE	43/SSE	42/SSE	32/S	12/SSE	7/NE	21	49/SSE
01/19	9/W	8/NNW	6/W	8/SSW	13/S	20/S	30/SSE	29/S	27/S	32/S	25/S	15/S	4/SW	6/S	*	*	23/SSE	29/SSE	30/SSE	28/SSE	23/SSE	25/S	17/S	12/S	19	32/S
01/20	13/SW	7/W	9/WNW	11/WNW	8/W	9/SW	18/SSW	20/SSE	21/S	20/SSE	20/SSE	15/SSE	20/SSW	*	*	*	*	15/SSE	25/S	28/SSE	11/SSE	22/SSE	19/S	22/S	17	28/SSE
01/21	12/SSW	13/SW	11/WSW	10/WNW	12/WNW	12/WNW	*	*	21/SSW	25/S	25/S	11/SSE	*	30/SE	22/SE	18/SSE	12/S	10/S	19/S	*	31/SSE	25/SSE	22/SSE	28/SSE	18	31/SSE
01/22	26/SSE	15/S	16/SW	10/WSW	15/WNW	18/NW	15/WNW	13/W	20/WSW	8/SSE	38/SSE	35/SSE	40/SSE	34/SSE	33/SE	23/SSE	13/S	2/NW	7/SW	14/S	18/S	23/S	26/SSE	26/SSE	20	40/SSE
01/23	25/SSE	21/S	16/S	9/SW	10/WNW	12/WNW	11/NW	6/NW	3/SSW	21/SSE	37/SSE	44/SSE	50/SSE	31/SE	27/SE	15/SE	8/ESE	3/S	7/S	2/W	6/ESE	14/SE	23/SSE	30/SSE	18	50/SSE
01/24	28/SSE	19/SSE	16/SSE	3/WNW	11/WNW	18/NW	21/NW	21/NNW	12/NW	6/NW	8/SSW	9/ESE	15/SSE	31/SE	9/SSE	4/W	15/NW	15/NW	30/NW	30/NW	*	15/WNW	9/SW	2/WSW	15	31/SE
01/25	5/S	10/SW	4/S	16/W	26/NW	40/NW	54/NW	43/NNW	39/NNW	22/NNW	9/NW	5/NNW	11/ENE	20/SE	28/SE	31/SSE	27/SSE	18/SSE	11/SSW	10/SW	13/SW	14/SSW	19/S	29/S	21	54/NW
01/26	28/SSE	30/SSE	34/SSE	28/S	18/SSW	15/WSW	24/WNW	35/NW	39/NW	33/NNW	28/NNW	6/NNW	6/SSE	20/SSE	35/SSE	30/SSE	19/SE	8/SSE	5/N	9/NW	12/WNW	8/W	8/SSW	12/SSE	21	39/NW
01/27	25/SE	30/SSE	43/SSE	26/SSE	15/S	*	12/WNW	*	*	27/NW	19/NW	2/S	*	*	45/SSE	42/SE	27/SE	12/ESE	*	*	*	*	*	21/S	25	45/SSE
01/28	31/SSE	38/SSE	37/SSE	37/SSE	28/SSE	17/S	7/WNW	13/NW	30/NNW	23/NNW	11/NNW	8/WNW	7/SE	19/SE	37/SE	*	*	*	4/S	5/S	13/WNW	22/NW	11/WNW	12/SW	20	38/SSE
01/29	21/S	19/SSE	31/SSE	34/SSE	28/SSE	18/S	11/WSW	23/NW	28/NNW	24/WNW	29/NW	24/NW	11/W	16/S	30/SSE	51/SE	36/SSE	24/SSE	7/S	9/NW	23/NNW	20/NW	18/NW	15/W	23	51/SE
01/30	19/SSW	11/S	19/SSE	30/SSE	28/SSE	19/S	10/SSW	14/WNW	31/NW	36/NNW	31/NW	28/NW	20/NNW	2/SSW	21/S	36/SSE	35/SSE	24/SSE	12/SSE	4/S	6/NW	24/NW	24/NW	16/NW	21	36/SSE
01/31	14/NW	5/WSW	13/SSE	28/SSE	26/SSE	16/S	8/SW	7/W	19/NW	34/NW	29/NNW	21/NNW	8/NNW	5/WNW	13/SSE	30/SSE	33/SSE	30/SSE	11/SE	2/S	12/NW	29/NNW	41/NNW	39/NNW	20	41/NNW
平均值	17	16	18	18	19	19	19	19	23	24	25	20	17	16	19	22	21	19	18	17	18	21	20	20		
最大值	45/SSE	41/SSE	43/SSE	37/SSE	37/S	42/SSE	54/NW	43/NNW	48/NNW	42/NNW	52/NNW	46/NNW	50/SSE	38/SSE	45/SSE	51/SE	39/SE	48/SSE	50/SSE	43/SSE	42/SSE	36/SSE	41/NNW	43/SSE		

[註 1]: 月平均流速= **19cm/s**, 最大流速= **54m/s**, 其流向爲 **NW**(去向)。流速分佈: **<25cm/s: 68.4%,25~50cm/s: 31.2%,50~70cm/s: .4%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 2.5%,E~S: 48.8%,S~W: 17.4%,W~N: 31.3%**, 流向主軸:**SSE-NNW**(佔 **38.0%**), 主流向:**SSE**(佔 **28.8%**)。每小時記錄一次, 本月計 **690**筆 (**93%**), 資料檔名:**C091APX0.1HA**。

港灣技術研究中心

表3.4.3　2009 年 02 月 安平港測站 X 觀測逐時流速及流向月報表

2009年 **2**月 **1**日 **0**時 **0**分 ~ **2009**年 **2**月**26**日 **2**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
02/01	12/WNW	11/SW	2/NNE	14/SSE	23/SSE	19/SSE	12/S	6/SSW	10/WNW	29/NW	37/NNW	40/NNW	17/NNW	7/NE	1/SW	19/SSE	29/SE	35/SE	27/SSE	11/SSE	5/W	18/NW	35/NW	35/NNW	19	40/NNW
02/02	31/NNW	21/NNW	6/WNW	13/S	17/SSE	23/S	21/SSE	12/S	6/SW	8/NW	21/NW	16/WNW	25/NNW	14/N	17/NNE	11/SE	23/ESE	26/SSE	27/SSE	20/SE	14/SSE	11/SW	17/NW	35/NW	18	35/NW
02/03	39/NNW	37/NNW	20/NNW	7/NW	3/SSW	11/S	15/S	17/S	7/SSW	7/SW	17/NW	10/WNW	15/NNW	11/N	9/N	13/SE	21/SSE	19/SE	27/SE	23/SE	16/SSE	8/S	12/WSW	19/WNW	16	39/NNW
02/04	28/NW	26/NW	26/NNW	17/NW	6/W	14/S	14/S	22/S	19/S	16/S	6/SSW	7/WNW	3/NW	14/NNW	10/N	8/NNW	6/SSW	14/SSE	13/SSE	27/SSE	23/SSE	15/S	9/SSW	12/SW	15	28/NW
02/05	17/WNW	23/WNW	29/NW	30/NW	21/NW	17/NW	7/W	3/SW	12/SSE	16/S	10/S	7/SSW	6/W	9/N	20/NNW	23/NNW	12/NNW	2/SSE	5/ESE	21/SSE	22/SSE	20/SSE	11/S	10/S	15	30/NW
02/06	10/WSW	5/WNW	12/NNW	14/NW	19/NNW	18/NNW	8/NW	6/NW	3/SSW	13/SE	20/SSE	27/S	16/SSE	13/SE	9/ESE	3/NNE	11/N	8/N	4/SSW	13/S	23/SSE	24/SSE	32/SSE	28/SSE	14	32/SSE
02/07	19/SSE	8/S	5/WSW	13/WNW	30/NNW	32/NNW	32/NNW	22/NW	9/NW	2/S	10/SE	21/ESE	29/SSE	23/SE	18/SE	17/SE	3/ESE	10/NNW	20/NW	17/NW	7/W	14/S	14/SSE	20/SSE	16	32/NNW
02/08	25/SSE	24/SSE	18/S	10/SW	23/NW	36/NNW	44/NNW	39/NNW	29/NNW	7/NW	12/S	33/SSE	30/SSE	38/SSE	28/SE	16/ESE	13/ESE	3/NNE	5/ESE	12/S	13/SSW	18/S	33/SSE	58/SSE	24	58/SSE
02/09	57/SSE	52/SSE	39/SSE	20/SSE	10/S	8/WNW	25/NW	48/NNW	48/NNW	41/NNW	18/NNW	4/S	21/SSE	26/SSE	28/SSE	28/SSE	15/SSE	11/SSE	8/NNW	15/NW	25/NW	9/NNW	4/NNE	9/ENE	24	57/SSE
02/10	32/SSE	33/SSE	26/SSE	29/SSE	13/S	11/W	24/NW	50/NNW	53/NNW	44/NNW	21/NNW	7/NW	16/SE	31/SE	38/SSE	31/SSE	20/SSE	3/SW	6/WNW	25/NW	32/NW	25/NW	19/NW	6/WSW	25	53/NNW
02/11	3/SE	27/SSE	26/SSE	22/SSE	17/SSW	14/WSW	33/NNW	49/NNW	57/NNW	54/NNW	33/NNW	17/N	14/NNE	13/ESE	30/ESE	39/ESE	34/ESE	*	16/E	11/NNE	20/N	21/NNW	19/NNW	11/WSW	25	57/NNW
02/12	9/SSW	18/SSE	28/SSE	32/SSE	27/SSE	17/SSE	10/W	22/NW	37/NW	44/NNW	38/NNW	20/NNW	11/NNE	13/E	30/ESE	33/SE	29/ESE	22/ESE	7/NE	13/NNW	34/NNW	42/NNW	33/NNW	27/NW	25	44/NNW
02/13	13/NW	4/SW	15/SE	18/SE	18/SE	11/SE	6/N	20/NNW	37/NNW	52/NNW	49/NNW	39/NNW	26/N	8/NNW	10/E	23/ESE	26/ESE	25/E	21/ENE	11/ENE	12/NNW	18/NNW	27/N	17/N	21	52/NNW
02/14	12/NNW	15/NNW	4/W	20/E	22/ESE	27/ESE	15/ESE	12/NE	12/N	22/NNW	26/NNW	23/N	19/NNE	7/ENE	13/SSE	16/ESE	23/ESE	26/SE	18/ESE	9/E	6/NW	25/NNW	29/NW	28/NNW	18	29/NW
02/15	16/WSW	21/SW	19/S	8/ESE	16/SE	21/SE	17/SE	6/ESE	6/WSW	15/WNW	18/WNW	19/NNW	23/NNW	14/N	8/E	11/SE	22/SE	25/SE	30/SE	22/SSE	15/SE	2/W	8/WNW	18/NW	16	30/SE
02/16	22/NW	19/NW	18/NW	8/WSW	15/SSE	20/SSE	22/SSE	18/SSE	15/SSE	9/SSW	11/NW	18/NW	18/WNW	12/NW	10/WSW	8/S	20/SSE	29/SSE	31/SSE	26/SSE	20/SSE	9/SSW	6/WSW	14/W	17	31/SSE
02/17	14/NW	13/NW	10/NW	9/SW	8/S	11/SE	15/SE	16/SSE	7/SE	1/SW	7/NW	14/NW	16/NNW	17/NW	9/NW	10/SSW	11/SSE	13/SSE	21/SSE	21/SSE	14/SSE	12/S	9/S	7/WSW	12	21/SSE
02/18	11/WNW	14/WNW	16/NW	9/NW	7/W	3/SSW	9/S	11/S	17/SSE	9/SSE	9/SSW	5/SW	6/SSE	5/SW	4/NW	2/W	5/SSW	12/SSE	10/S	11/SSE	15/S	13/S	9/SSW	5/WSW	9	17/SSE
02/19	14/WNW	23/NW	30/NW	39/NNW	33/NNW	23/NW	15/NNW	6/W	5/WSW	2/WNW	5/W	4/NW	10/WNW	7/NNE	8/NNE	8/N	10/N	9/ESE	11/ESE	23/SSE	26/SE	28/SSE	28/SSE	27/S	16	39/NNW
02/20	15/SSE	15/S	5/SW	10/W	15/WNW	15/WNW	15/WNW	9/W	8/SSW	17/S	22/SSE	21/SSE	24/SSE	23/SSE	14/SE	10/SE	5/SE	7/SE	11/SE	22/SSE	26/SSE	29/SSE	34/SE	32/SE	17	34/SE
02/21	24/SSE	16/S	11/S	12/SW	7/NW	8/NW	12/NW	18/NW	11/NW	12/NNE	9/ENE	15/E	18/ESE	12/ESE	10/SE	19/E	9/NE	17/N	7/NW	12/NNW	15/SW	15/SSW	21/S	22/SSE	14	24/SSE
02/22	23/S	23/S	18/S	18/SW	16/W	28/NW	35/NW	45/NNW	33/NNW	14/NW	8/SSW	18/S	20/S	20/SSE	12/ESE	7/NNE	11/N	26/N	20/N	21/N	16/N	15/N	6/E	13/E	19	45/NNW
02/23	16/ESE	19/ESE	18/E	15/NE	11/N	21/NNW	28/NNW	47/NNW	43/NNW	19/NNW	20/N	5/NE	14/E	22/E	26/ENE	20/E	21/ENE	14/NE	17/N	16/NNW	10/N	4/NNE	9/ESE	30/S	19	47/NNW
02/24	34/SSE	42/S	34/SSE	18/SSE	10/SSW	11/NW	22/NW	35/NNW	38/NNW	33/NNW	17/NNW	13/NNW	12/NE	16/ESE	19/ESE	17/ESE	10/ENE	1/ENE	15/NNW	20/NNW	21/NNW	16/NNW	6/NW	4/ESE	19	42/S
02/25	11/SE	13/ESE	7/E	4/ENE	8/NNW	18/NNW	37/NNW	51/NNW	52/NNW	43/NNW	25/N	2/NNE	9/ESE	19/ESE	18/E	20/ESE	15/ESE	7/ENE	1/N	22/NNW	18/NW	14/WNW	18/NW	15/SSW	19	52/NNW
02/26	12/S	21/SSE	31/SSE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	21	31/SSE
平均值	20	21	18	16	16	17	20	24	23	21	19	16	17	16	16	16	16	15	15	18	18	17	18	20		
最大值	57/SSE	52/SSE	39/SSE	39/NNW	33/NNW	36/NNW	44/NNW	51/NNW	57/NNW	54/NNW	49/NNW	40/NNW	30/SSE	38/SSE	38/SSE	39/ESE	34/ESE	35/SE	31/SSE	27/SSE	34/NNW	42/NNW	35/NW	58/SSE		

[註 1]: 月平均流速= **18cm/s**, 最大流速= **58m/s**, 其流向爲 **SSE**(去向)。流速分佈: <**25cm/s: 77.7%**,**25**~**50cm/s: 20.8%**,**50**~**70cm/s: 1.5%**,**75**~**100cm/s: .0%**,>**100cm/s: .0%**。

[註 2]: 流向分佈: **N**~**E: 10.6%**,**E**~**S: 37.9%**,**S**~**W: 14.8%**,**W**~**N: 36.7%**, 流向主軸:**SSE-NNW**(佔 **33.7%**), 主流向:**SSE**(佔 **17.6%**)。每小時記錄一次, 本月計 **602**筆 (**90%**), 資料檔名:**C092APX0.1HA**。

表3.4.4　2009 年 03 月 安平港測站 X 觀測逐時流速及流向月報表

2009年 **3**月 **6**日**20**時 **0**分 ～ **2009**年 **3**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
03/06	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	35/SSE	37/SSE	26/SSE	25/SSE	31	37/SSE
03/07	13/S	12/SW	6/WSW	16/NW	22/NNW	19/NW	19/NW	6/NW	1/WNW	6/S	3/SSE	4/SSE	6/NNW	20/NNW	15/SW	11/NW	16/NW	15/NW	17/WSW	5/SSW	6/ESE	20/SSE	26/SSE	24/SSE	13	26/SSE
03/08	19/SSW	11/SSW	14/WNW	22/NW	36/NNW	45/NNW	44/NNW	35/NNW	17/NNW	5/NW	4/ENE	11/SSE	14/SSE	11/SE	2/SW	12/NW	7/WSW	16/NW	11/NW	6/W	15/SSW	25/S	19/SE	30/SSE	18	45/NNW
03/09	26/SSE	15/SSE	8/S	12/W	29/NW	35/NNW	45/NNW	44/NNW	36/NNW	19/WNW	7/WSW	16/S	29/SSE	32/SSE	19/SSE	5/SSE	9/NNW	13/NW	22/NW	22/NW	23/W	14/SSW	13/SE	30/SSE	22	45/NNW
03/10	33/SSE	24/SSE	17/SSE	9/SW	11/N	27/N	36/NNW	48/NNW	42/NNW	26/NNW	10/NNE	9/NE	16/ESE	*	*	18/SE	4/ESE	7/NW	20/NNW	22/NW	29/NW	20/NW	21/WSW	14/S	21	48/NNW
03/11	10/SE	23/SSE	21/SE	13/SSE	7/WSW	19/NNW	41/NNW	54/NNW	36/NW	29/NW	12/NW	8/NNE	13/SE	31/SE	43/SSE	36/SE	16/ESE	5/NNE	8/NNW	17/NW	21/NW	13/WNW	10/WSW	21/S	21	54/NNW
03/12	16/SSE	30/SSE	32/SSE	23/SE	7/SSE	8/NNW	16/NNW	36/NNW	35/NW	38/NW	36/NW	9/W	5/ESE	20/SE	25/ESE	29/ESE	22/SE	12/ESE	3/WNW	19/NNW	21/WNW	25/NW	28/NW	16/NW	21	38/NW
03/13	5/W	11/ESE	25/SE	26/SE	15/SE	2/SSE	13/NNW	33/NNW	32/NW	42/NNW	36/NNW	21/NNW	9/NNE	13/ENE	21/ESE	27/SE	30/ESE	27/SE	10/SE	11/NW	22/NNW	32/NNW	24/NW	21/NW	21	42/NNW
03/14	*	*	42/SSE	47/SE	*	28/SSE	18/ESE	*	14/N	8/NNE	6/N	5/NW	11/ESE	25/SSE	37/SSE	*	24/SSE	17/SSE	6/SW	17/WNW	38/NNW	48/NNW	54/NNW	42/NNW	26	54/NNW
03/15	30/NNW	5/N	2/SE	9/SE	12/SE	9/SSE	7/NNW	20/N	19/N	34/NW	38/NW	30/NW	13/NW	8/ESE	*	24/SE	35/SE	33/SE	20/SE	10/SSW	13/NW	30/NNW	37/NNW	37/NNW	21	38/NW
03/16	30/NNW	4/SW	7/S	19/SSE	21/SSE	23/SSE	11/SSE	2/SW	15/WSW	17/W	17/WNW	13/NW	23/NW	6/NNE	15/SE	*	*	35/SE	34/SSE	25/SE	12/SSW	12/W	*	40/NNW	18	40/NNW
03/17	34/NNW	23/NNW	3/N	5/SE	15/SE	17/SE	6/ENE	5/SE	1/N	11/W	15/WNW	22/NNW	23/NNW	19/NNW	10/NNE	15/ESE	17/ESE	27/SE	30/ESE	21/SE	11/ESE	8/SW	14/WNW	31/NNW	16	34/NNW
03/18	46/NNW	41/NNW	22/N	7/N	4/E	9/ESE	*	11/SE	4/SSE	15/SW	14/SW	16/WNW	25/NW	26/NNW	17/NNW	7/NNE	12/ENE	19/ESE	24/SE	23/ESE	21/SSE	14/S	4/W	8/NNW	17	46/NNW
03/19	23/NW	32/NNW	31/NNW	26/NNW	16/N	15/N	*	10/NE	11/NE	11/NE	21/NNE	14/N	12/NNW	15/N	16/N	15/N	12/ENE	20/ESE	16/E	19/ESE	26/ESE	21/SE	11/SE	10/S	17	32/NNW
03/20	7/WSW	9/NW	21/NNW	25/NNW	17/NNW	6/WSW	5/NE	18/S	11/SSE	16/SE	10/SE	6/SE	6/S	10/SSE	12/SSE	17/SSE	18/SSE	*	32/SSE	23/SE	19/S	24/S	16/S	12/SSW	15	32/SSE
03/21	14/WSW	10/WSW	16/W	20/NW	22/NW	21/NW	18/N	14/NNE	17/NE	16/NE	12/ESE	11/SE	7/SE	7/ESE	21/SSE	7/SSW	5/SSW	9/SSW	9/SE	13/SE	13/E	15/SE	17/SE	10/ESE	13	22/NW
03/22	11/ENE	20/NNE	22/N	25/N	25/NNW	*	24/NNW	15/NNW	11/N	5/SE	15/SE	9/ENE	9/SE	13/NE	8/NE	13/NE	16/N	12/NNW	10/WNW	8/NW	3/SW	6/SSE	6/ESE	19/SSE	13	25/NNW
03/23	19/SSE	15/SSE	*	10/NW	26/NNW	37/NNW	38/NNW	28/NNW	23/NNW	19/N	5/N	14/ENE	13/ENE	12/E	13/ENE	11/ENE	4/ENE	7/N	12/NNW	7/SW	12/SSW	8/SSW	16/SSW	33/S	17	38/NNW
03/24	28/SSE	27/SSE	18/S	9/SW	15/WNW	22/NW	28/NW	34/NW	29/NW	16/NW	4/N	8/SE	18/SSE	18/SSE	17/SSE	6/SSE	4/N	9/WNW	18/NW	22/NW	17/W	10/SW	5/SSW	17/S	17	34/NW
03/25	34/SSE	31/SSE	29/SSE	12/SSE	5/ENE	10/NNW	19/NNW	22/NW	21/NW	12/NW	6/S	14/SSE	29/SSE	29/SSE	25/SSE	10/SSE	8/WNW	25/NW	29/NNW	35/NNW	27/NNW	24/NNW	5/WSW	13/SSE	20	35/NNW
03/26	23/SSE	21/SE	14/SE	3/ESE	10/NNE	21/N	38/NNW	42/NNW	42/NNW	34/NNW	10/N	6/ENE	13/E	21/E	25/ESE	22/ESE	10/ESE	8/N	17/NW	24/NNW	26/NNW	21/NW	10/NW	16/S	20	42/NNW
03/27	24/SSE	33/SSE	26/SE	19/SE	5/ESE	6/N	27/NNW	24/NNW	28/NW	23/NNW	21/NNW	10/N	14/ENE	22/ESE	30/SE	31/SE	19/SE	11/E	10/NNW	33/NNW	21/NW	24/NW	12/WNW	13/S	20	33/SSE
03/28	16/SSE	27/SE	31/SE	27/SE	15/ESE	4/ESE	9/N	17/NW	21/NW	16/NW	12/WSW	11/S	13/SE	33/SSE	49/SSE	46/SSE	27/SE	9/SE	3/NNW	21/NNW	33/NNW	30/NNW	13/NW	10/S	21	49/SSE
03/29	18/SSE	31/SE	47/SSE	43/SSE	32/SE	15/SE	5/N	10/NNW	25/NNW	18/NW	12/NNW	10/WSW	14/S	33/SSE	47/SSE	50/SSE	38/SSE	19/SE	10/SSE	6/N	16/NNW	19/NNW	22/NW	15/NW	23	50/SSE
03/30	6/S	18/ESE	36/SE	37/SE	30/SE	19/ESE	8/ESE	6/N	16/NNW	18/NNW	19/NNW	11/WNW	7/SSE	18/SE	32/SE	35/SE	30/SE	19/SE	10/SSE	8/NNE	25/NNW	35/NNW	37/NNW	28/NNW	21	37/SE
03/31	15/NNW	7/SW	17/SE	28/SSE	33/SE	24/SE	13/SE	7/E	4/WNW	21/NW	19/NW	20/NW	13/WNW	6/S	12/SSE	30/SSE	37/SSE	30/SSE	17/SSE	9/S	12/NW	25/NW	36/NNW	42/NNW	20	42/NNW
平均值	21	20	21	20	18	18	21	23	20	19	14	12	14	19	22	21	17	17	16	17	20	21	19	22		
最大值	46/NNW	41/NNW	47/SSE	47/SE	36/NNW	45/NNW	45/NNW	54/NNW	42/NNW	42/NNW	38/NW	30/NW	29/SSE	33/SSE	49/SSE	50/SSE	38/SSE	35/SE	34/SSE	35/NNW	38/NNW	48/NNW	54/NNW	42/NNW		

[註 **1**]: 月平均流速= **19cm/s**, 最大流速= **54m/s**, 其流向爲 **NNW**(去向)。流速分佈: **<25cm/s: 73.5%,25~50cm/s: 26.0%,50~70cm/s: .5%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 9.9%,E~S: 40.0%,S~W: 10.7%,W~N: 39.5%**, 流向主軸:**NNW-SSE**(佔 **34.5%**), 主流向:**NNW**(佔 **18.5%**)。每小時記錄一次, 本月計 **588**筆 (**79%**), 資料檔名:**C093APX0.1HA**。

表3.4.5　2009 年 04 月 安平港測站 X 觀測逐時流速及流向月報表

2009年 **4**月 **1**日 **0**時 **0**分 ～ **2009**年 **4**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
04/01	40/NNW	28/NNW	6/NNW	5/SSE	14/SE	20/SSE	22/SE	4/E	12/NNW	21/NW	29/NNW	30/NNW	25/NNW	9/N	9/SE	18/SE	27/SSE	29/SE	19/SE	12/ESE	5/SE	14/NNW	29/NNW	38/NNW	19	40/NNW
04/02	41/NNW	37/NNW	9/NNE	6/NNE	11/E	20/ESE	23/SE	17/ESE	18/SSE	15/SSE	3/S	1/N	1/NNE	11/SE	15/ESE	25/SE	42/SSE	43/SE	41/SE	37/SE	21/SE	10/SE	4/WSW	17/NW	20	43/SE
04/03	33/NNW	37/NNW	38/NNW	29/NNW	3/WSW	12/SSE	14/SE	14/ESE	13/E	3/ENE	17/S	6/SW	14/NNW	16/NNW	11/ESE	14/SE	19/SE	30/SE	29/SE	28/ESE	19/SSE	12/SE	12/SSW	13/NNW	18	38/NNW
04/04	15/NNW	15/N	19/NNW	26/NNW	16/NNW	13/SSW	21/SSE	27/SSE	33/SE	27/SE	20/SE	10/ENE	13/E	7/E	10/NNE	16/N	9/N	8/E	12/ESE	24/SE	31/SSE	32/SSE	30/SSE	24/SSE	19	33/SE
04/05	17/SSE	9/SSW	10/WNW	27/NNW	38/NNW	8/NNW	13/N	15/SSE	23/SSE	34/SSE	39/SE	31/ESE	23/ESE	36/SE	28/SE	13/SE	3/NE	1/WSW	2/ESE	17/SSE	26/SSE	30/SE	36/SE	32/SSE	21	39/SE
04/06	26/SE	15/SSE	2/NE	11/NNW	24/NNW	34/NNW	22/NNW	8/WNW	17/S	25/SSE	28/SE	36/SSE	38/SSE	21/SE	15/ESE	10/ESE	8/NNW	17/NW	15/NNW	13/NW	11/SSW	18/S	22/SSE	27/SE	19	38/SSE
04/07	22/SE	16/SE	6/ESE	9/N	29/NNW	28/NW	29/NW	26/NW	14/NNW	8/NNE	15/ESE	21/SE	23/SE	36/SE	27/SE	8/SE	13/NW	18/NNW	25/NW	29/NW	20/NW	10/S	21/SSE	24/SE	20	36/SE
04/08	29/SSE	21/SSE	12/SE	4/SE	13/NNW	27/NNW	25/NW	31/NW	19/NW	6/SW	21/SSE	32/SSE	25/SSE	33/SE	12/SSE	12/SE	6/SSE	7/NNE	20/NW	24/NW	23/NW	8/SW	12/SSE	28/SSE	19	33/SE
04/09	34/SSE	37/SE	27/SE	16/SSE	6/SE	7/NNW	19/NNW	23/NW	21/NW	10/WNW	15/S	14/SSE	25/SSE	34/SSE	35/SSE	17/ESE	6/ESE	10/N	23/NNW	26/NNW	26/NW	17/NW	7/W	15/SSE	20	37/SE
04/10	26/SSE	33/SE	29/SE	20/SE	9/SE	4/NNE	19/NNW	25/NNW	22/NW	19/NNW	7/NNW	15/SE	18/ESE	14/SE	29/SE	28/SE	14/SE	7/NNE	24/NNW	42/NNW	53/NNW	29/NNW	24/NW	4/S	21	53/NNW
04/11	16/SE	27/SE	32/SE	27/SE	21/SE	6/E	14/SE	3/E	9/NNW	8/NW	3/W	8/SE	24/ESE	28/SE	40/SE	44/SE	35/SE	15/SE	8/SE	8/NW	23/NNW	29/NNW	11/W	15/SW	19	44/SE
04/12	18/S	24/SSE	32/SSE	38/SSE	30/SE	16/SE	19/S	9/SW	13/WNW	20/NNW	14/NNW	1/ESE	16/SSE	33/SE	37/SE	38/SE	22/SE	19/SE	10/SE	6/SW	19/NNW	29/NNW	33/NNW	16/WNW	21	38/SSE
04/13	11/NW	7/N	4/E	14/SE	15/SE	9/SE	7/ENE	9/N	17/NNW	27/NNW	30/NNW	13/NW	10/N	15/NE	13/ESE	36/SE	25/SSE	26/SSE	13/S	14/SSW	13/NNW	30/NNW	40/NNW	42/NNW	18	42/NNW
04/14	38/NNW	15/N	11/NNE	10/E	17/ESE	16/E	10/S	4/WSW	4/NNW	9/NNW	7/WSW	10/WNW	5/WSW	8/SSW	14/SE	30/SSE	33/SE	33/SSE	16/SSE	12/S	8/SSW	12/W	22/NW	36/NNW	16	38/NNW
04/15	42/NNW	26/NNW	2/SSW	12/S	20/SSE	22/SSE	21/SSE	19/S	5/WNW	6/NNW	10/NW	11/NNW	18/N	8/NNE	9/E	13/SSE	16/ESE	21/SE	16/ENE	14/ESE	9/ENE	6/NNE	20/NNW	32/NNW	16	42/NNW
04/16	35/NNW	37/NNW	10/NW	13/N	8/NE	15/ENE	15/E	5/W	14/N	14/N	26/NNW	25/N	19/N	17/N	17/N	9/NNE	12/SE	13/SSE	15/SE	14/SSE	7/SSW	6/WSW	13/WNW	25/NW	16	37/NNW
04/17	30/NNW	30/NNW	22/NW	15/NNW	13/WSW	5/SW	6/SSE	21/S	23/S	17/S	14/SSW	10/WSW	9/SSW	10/SW	12/S	18/SSE	29/SSE	39/SSE	39/SSE	34/SSE	29/SSE	19/SE	7/SE	4/W	19	39/SSE
04/18	14/WNW	15/NW	14/NW	10/NW	8/WSW	8/S	8/SSE	18/SSE	18/SSE	13/SSE	10/SE	8/NE	6/E	9/SSE	7/SSE	8/SSE	12/SE	22/SSE	28/SSE	27/SSE	25/SSE	19/SSE	13/S	7/SW	14	28/SSE
04/19	7/WNW	11/NW	19/NNW	24/NNW	23/NNW	13/NW	7/WSW	7/S	8/E	10/SE	8/SE	5/SE	5/N	6/ENE	6/NNW	4/NNW	5/NW	3/WNW	1/W	8/SE	10/ESE	13/ESE	12/E	9/ENE	9	24/NNW
04/20	5/NNE	11/NNW	17/NNW	25/NNW	33/NNW	30/NNW	20/NNW	10/NNW	2/SW	7/ESE	11/E	12/E	15/E	10/ENE	8/E	4/NE	4/ENE	3/NE	2/ENE	11/ESE	13/ESE	18/ESE	19/ESE	18/E	13	33/NNW
04/21	16/E	15/ENE	10/E	4/SE	6/NW	8/NW	12/WNW	12/NW	6/W	7/SE	18/SSE	20/ESE	19/ESE	24/ESE	16/SE	6/SE	8/SE	5/E	12/S	6/SE	13/SSE	27/SSE	29/SSE	35/SSE	14	35/SSE
04/22	36/SSE	30/SSE	17/SSE	12/S	10/WNW	16/WNW	12/WSW	11/SW	4/WSW	15/NNW	13/SE	11/ESE	9/ESE	15/SSE	8/SSE	3/SSE	10/WNW	15/WSW	13/SSW	16/WSW	15/SW	21/S	17/SSE	24/SSE	15	36/SSE
04/23	27/SSE	28/S	20/SSE	13/SSW	9/WSW	17/NNW	11/W	10/WNW	14/SW	14/S	6/E	22/SSE	35/SE	39/SE	36/SSE	22/S	5/S	6/WSW	9/NNW	10/S	10/SSW	15/S	21/SSE	22/S	17	39/SE
04/24	34/SSE	35/SSE	20/SSE	11/SSE	7/WSW	19/NW	17/NW	18/NNW	14/N	2/NNE	13/SE	14/SE	24/SE	32/SE	27/SE	29/SE	13/SSE	5/SW	14/NW	10/W	3/SSW	5/WNW	11/S	16/SSE	16	35/SSE
04/25	15/SE	33/SSE	32/SSE	25/SSE	24/S	16/SSW	15/SSW	10/WNW	6/SE	10/SSE	31/SE	37/SE	38/SE	53/SE	56/SSE	45/SSE	26/SSE	1/S	5/NW	15/WNW	29/NNW	19/NNW	3/NNE	16/SSE	23	56/SSE
04/26	34/SSE	42/SSE	37/SSE	32/SSE	11/SE	5/NNW	9/N	24/NW	20/NW	18/NW	6/WNW	8/SSE	23/SSE	35/SSE	36/SSE	26/SSE	11/SE	3/N	19/NNW	26/NNW	36/NNW	39/NNW	40/NNW	20/NW	23	42/SSE
04/27	2/NNW	9/ENE	16/ENE	13/NE	8/ENE	10/NNW	27/NNW	35/NNW	37/NNW	41/NNW	22/N	13/N	8/NNE	16/NE	16/ENE	16/ENE	13/ENE	8/NE	14/N	25/N	39/NNW	48/NNW	45/NNW	23/NNW	21	48/NNW
04/28	6/N	13/SE	22/SE	28/SE	30/SSE	20/SSE	8/SW	14/NNW	24/NNW	32/N	22/N	17/N	13/NNE	6/ENE	12/E	24/E	22/E	20/E	11/E	12/NNE	27/NNW	14/N	43/NNW	40/NNW	20	43/NNW
04/29	29/NNW	11/NNW	3/ESE	16/SE	22/SE	11/ESE	13/ESE	11/W	10/NW	13/NNW	8/N	10/ESE	14/SE	22/ESE	28/SE	38/SE	36/SE	31/SE	29/SE	16/SE	6/SSW	12/N	33/NNW	37/NNW	19	38/SE
04/30	27/NNW	9/NNW	9/NW	11/SE	16/SE	11/E	16/ESE	12/E	9/N	11/NNE	13/NNE	15/N	12/NE	16/ENE	18/E	30/ESE	30/SE	24/ESE	21/SE	*	18/NE	17/N	24/N	33/NNW	17	33/NNW
平均值	24	23	17	17	17	15	16	15	15	15	16	16	18	21	20	20	17	16	17	18	20	19	22	23		
最大值	42/NNW	42/SSE	38/NNW	38/SSE	38/NNW	34/NNW	29/NW	35/NNW	37/NNW	41/NNW	39/SE	37/SE	38/SSE	53/SE	56/SSE	45/SSE	42/SSE	43/SE	41/SE	42/NNW	53/NNW	48/NNW	45/NNW	42/NNW		

[註 1]: 月平均流速= **18cm/s**, 最大流速= **56m/s**, 其流向爲 **SSE**(去向)。流速分佈: **<25cm/s: 73.6%,25~50cm/s: 26.0%,50~70cm/s: .4%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 11.5%,E~S: 47.0%,S~W: 10.6%,W~N: 30.9%**, 流向主軸: **SE- NW**(佔 **34.5%**), 主流向: **SE**(佔 **18.9%**)。每小時記錄一次, 本月計 **719**筆 **(100%)**, 資料檔名:**C094APX0.1HA**。

表3.4.6　2009 年 05 月 安平港測站 X 觀測逐時流速及流向月報表

2009年 **5**月 **1**日 **0**時 **0**分 ～ **2009**年 **5**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
05/01	39/NNW	20/NNW	19/NNW	8/NNW	8/NNW	8/N	15/E	12/E	11/ENE	19/N	20/NNE	20/N	29/N	24/N	14/NNE	15/ENE	22/ESE	21/SE	23/SE	26/SSE	18/SSE	2/ENE	10/N	20/NNW	18	39/NNW
05/02	38/NNW	55/NNW	38/NNW	30/NW	18/NW	9/N	8/SE	18/ESE	13/E	14/ENE	13/NNE	16/NE	17/NE	15/NE	17/ENE	14/ESE	23/ESE	23/SE	22/SE	23/ESE	22/SE	17/SE	12/ESE	5/E	20	55/NNW
05/03	13/N	13/N	25/NNW	32/NNW	20/NNE	15/NE	19/SE	16/ESE	20/ESE	25/SE	17/SE	17/SE	7/SSE	22/ESE	13/NE	11/NNE	14/ESE	20/SE	27/SE	26/SSE	29/SSE	26/SSE	26/SSE	16/SSE	20	32/NNW
05/04	15/S	5/WNW	14/NW	27/NNW	35/NW	15/WNW	16/WSW	25/SSW	15/ESE	19/SSE	20/SSE	27/SE	21/SSE	10/SSE	6/W	6/S	1/SW	4/SSW	16/SSE	24/SSE	13/ESE	19/SE	22/SE	14/SE	16	35/NW
05/05	10/E	4/WNW	15/NNW	27/NNW	33/NNW	3/SW	10/W	13/WNW	13/S	13/E	20/E	20/ESE	16/ESE	14/ESE	8/ESE	9/N	17/NNW	3/ESE	6/N	7/W	4/S	12/SE	17/SE	22/SE	13	33/NNW
05/06	18/SE	11/SSE	2/W	20/NNW	30/NNW	5/NW	18/NW	28/NW	12/W	4/SSW	20/SE	26/SE	23/SE	23/SE	19/SE	8/SSE	4/NNW	18/NW	21/NW	10/NNE	23/NNW	3/NNW	8/ENE	14/E	15	30/NNW
05/07	14/ENE	20/NE	21/NE	5/NE	13/N	31/NNW	41/NW	27/NNW	21/NNW	11/WNW	9/ESE	23/ESE	33/SE	34/SE	29/SE	19/SE	8/ESE	6/NNW	26/NNW	39/NNW	31/NNW	16/N	7/NNW	11/ESE	21	41/NW
05/08	16/ESE	15/SSE	13/ESE	4/ENE	11/NNW	25/NNW	25/NNW	34/NNW	35/NNW	17/N	2/NE	15/E	22/E	27/ESE	29/ESE	*	*	*	*	*	*	*	*	*	19	35/NNW
05/09	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05/10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6/NNW	21/NNW	33/NNW	34/NNW	12/NW	21	34/NNW
05/11	8/NW	10/WNW	26/SSE	27/SSE	14/SSE	19/SSW	15/SW	13/NW	11/WNW	7/SW	1/E	7/NE	24/ESE	26/SE	39/SE	42/SE	35/SE	31/SE	15/SE	8/SW	12/NW	29/NNW	23/NW	28/NNW	20	42/SE
05/12	10/NW	3/NNW	9/WNW	3/W	13/W	11/NNW	8/WNW	9/NW	5/W	9/NW	19/NW	17/NW	9/NNE	16/SE	27/SSE	30/SE	38/SE	27/SE	15/SE	5/S	13/NW	24/NNW	36/NNW	27/NNW	16	38/SE
05/13	12/N	23/N	13/NE	16/E	14/ESE	14/SE	6/E	6/S	7/NNW	11/WNW	12/WNW	12/NW	5/S	12/SE	29/SE	37/SSE	43/SE	38/SSE	27/SSE	10/S	9/WSW	16/W	18/WNW	21/NW	17	43/SE
05/14	24/NW	14/SSW	19/S	23/SSE	27/SSE	31/SSE	25/SSE	14/SSE	18/S	6/WSW	14/NNW	16/NNW	11/N	5/S	21/SE	25/SSE	32/SSE	35/SSE	28/SSE	15/SSE	11/SW	19/W	20/NW	28/NW	20	35/SSE
05/15	35/NNW	26/NNW	3/NNW	10/S	12/SE	13/SE	11/NE	4/ENE	6/N	6/N	9/N	18/NNW	8/NNE	10/N	5/S	23/SE	32/SE	37/SSE	31/SSE	15/SSE	10/SSE	10/SW	16/W	23/NW	16	37/SSE
05/16	34/NW	27/NNW	14/WNW	8/NNW	14/SSE	8/SE	12/E	13/NE	9/ENE	7/NE	4/ENE	13/NNW	18/NNW	12/N	9/NNE	15/ESE	25/ESE	22/ESE	23/SE	23/SE	13/SE	8/SSW	19/N	24/NW	16	34/NW
05/17	34/NW	36/NNW	32/NNW	12/NNW	14/N	7/NE	2/WSW	7/ENE	9/ENE	14/NE	14/N	17/N	27/NNW	27/NNW	27/N	24/N	13/NE	17/SE	21/SE	18/SE	18/SE	12/SE	4/SSE	3/WNW	17	36/NNW
05/18	6/SW	21/NW	27/NW	19/WSW	13/SSW	17/SSW	19/S	22/S	26/SSE	26/SSE	24/SSE	28/SSE	9/SSW	13/WSW	8/WNW	10/W	10/WSW	15/SSW	16/SSE	16/SSE	*	*	*	10/SSW	17	28/SSE
05/19	8/W	23/SSW	21/SW	18/SW	15/SW	17/SSW	16/S	17/SSE	21/SSE	17/SE	23/SE	23/SE	11/E	2/NNW	2/NNE	5/SSW	8/SW	9/S	13/S	22/SSE	23/SSE	29/SSE	26/SE	22/SSE	16	29/SSE
05/20	13/SSE	3/SSE	9/W	21/SW	16/W	14/NW	11/WNW	6/NW	4/E	13/ESE	18/SE	21/ESE	23/SE	16/E	4/ESE	9/N	10/NNW	4/WNW	11/SW	*	7/N	10/SSE	13/SSE	8/ESE	11	23/SE
05/21	8/NE	6/NE	8/NNE	13/N	24/NNW	29/NNW	26/NNW	15/N	19/N	11/ENE	20/E	22/E	13/E	19/ENE	14/NE	12/NE	12/NNW	23/NW	33/NNW	27/NNW	20/N	12/NE	19/SSE	16/SSE	18	33/NNW
05/22	11/SSE	6/SE	3/NNW	16/NNW	31/NNW	26/NNW	29/NNW	31/NNW	10/NNW	8/SE	14/SE	22/SSE	28/SE	29/SE	21/SSE	7/SSW	11/WNW	26/NW	33/NW	20/WNW	22/NNW	1/SE	19/SSE	21/SE	19	33/NW
05/23	13/SE	10/ESE	7/S	4/WNW	10/WNW	17/NNW	24/NNW	25/NNW	20/NW	9/NNW	14/ENE	13/ESE	18/SE	26/SE	27/ESE	19/ESE	5/S	8/WNW	28/NW	44/NW	31/NNW	10/NNW	2/W	17/SSE	17	44/NW
05/24	26/SE	34/SE	20/SSE	14/SSE	10/S	11/NW	23/NNW	30/NNW	27/NNW	10/NNE	7/SSE	27/ESE	29/SE	33/SE	28/SE	20/ESE	12/SE	8/NNW	26/NNW	57/NNW	62/NNW	18/N	10/NNE	16/SE	23	62/NNW
05/25	26/SE	37/SE	31/ESE	26/SE	20/SSE	15/SSW	9/W	10/NNW	11/NNW	7/W	5/SSW	25/ESE	36/SE	44/SE	44/SE	34/SE	22/SSE	10/S	11/WNW	31/NNW	50/NNW	43/NNW	22/NNW	11/N	24	50/NNW
05/26	4/NNW	10/E	29/SE	33/SE	32/SSE	11/S	7/WNW	13/NNW	25/NW	18/NW	21/NNW	2/NE	29/ESE	23/SE	40/SE	39/SE	30/SSE	20/SSE	12/SSW	14/W	25/NW	49/NNW	46/NNW	27/N	23	49/NNW
05/27	3/NNE	22/SSE	46/SSE	31/SSE	37/SSE	28/SSE	22/S	10/SSW	14/WNW	15/W	14/W	14/WSW	16/S	25/SSE	22/SSE	27/SSE	21/SSE	12/S	16/SSW	12/WSW	15/WNW	33/NW	70/NNW	49/NNW	24	70/NNW
05/28	35/N	13/N	12/ENE	25/ESE	29/ESE	30/SSE	31/SSE	19/SSE	11/S	10/WSW	18/NW	18/NNW	4/NNE	9/SE	23/SE	18/SSE	13/ESE	12/ENE	19/NNE	12/N	19/NNW	40/NNW	67/NNW	55/NNW	23	67/NNW
05/29	49/NNW	11/N	3/NE	17/SE	25/SE	25/ESE	27/SE	13/ESE	4/E	15/NNW	23/NNW	40/NNW	36/NNW	16/N	14/N	10/ESE	17/SE	19/SE	18/ENE	13/NE	7/NE	19/NNW	44/NNW	53/NNW	22	53/NNW
05/30	40/N	21/NNW	13/N	7/E	15/SE	21/SE	36/SE	27/SE	11/NE	12/NNE	14/NNE	20/N	22/N	21/N	11/NNE	15/ENE	27/E	26/SE	24/SE	28/SE	23/SE	16/ESE	10/NNW	37/NNW	21	40/N
05/31	61/NNW	41/NNW	21/NNW	13/N	9/ESE	18/SE	28/SE	26/SE	24/SE	14/ESE	15/NNE	15/N	28/N	19/N	20/N	19/NNE	21/NE	23/ENE	26/E	29/SE	35/SE	21/SE	12/E	7/NNE	23	61/NNW
平均值	21	19	18	18	19	17	19	17	15	13	15	19	20	20	20	19	19	18	21	21	21	20	23	21		
最大值	61/NNW	55/NNW	46/SSE	33/SE	37/SSE	31/NNW	41/NW	34/NNW	35/NNW	26/SSE	24/SSE	40/NNW	36/SE	44/SE	44/SE	42/SE	43/SE	38/SSE	33/NW	57/NNW	62/NNW	49/NNW	70/NNW	55/NNW		

[註 1]: 月平均流速= **19cm/s**, 最大流速= **70m/s**, 其流向爲 **NNW**(去向)。流速分佈: **<25cm/s: 75.0%,25~50cm/s: 23.7%,50~70cm/s: 1.3%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 16.0%,E~S: 40.4%,S~W: 9.6%,W~N: 34.0%**, 流向主軸:**NNW-SSE**(佔 **29.9%**), 主流向:**NNW**(佔 **17.7%**)。每小時記錄一次, 本月計 **688**筆 (**92%**), 資料檔名:**C095APX0.1HA**。

港灣技術研究中心

表3.4.7　2009 年 06 月 安平港測站 X 觀測逐時流速及流向月報表

2009年 **6**月 **1**日 **0**時 **0**分 ～ **2009**年 **6**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
06/01	19/N	46/NW	36/NNW	21/NNW	17/N	8/SE	16/ESE	22/SE	26/SE	33/SE	25/SE	12/NE	10/NNW	20/N	23/N	16/N	14/NNW	7/E	12/E	18/E	23/SSE	16/SSE	9/SE	5/SE	19	46/NW
06/02	6/NNW	21/NNW	35/NNW	34/NW	24/NNW	14/N	10/N	15/E	26/SE	35/SE	30/ESE	22/SE	15/ESE	5/E	8/NW	11/N	27/NNW	27/NNW	11/NNW	3/N	11/ESE	13/E	4/E	5/NNW	17	35/SE
06/03	7/N	9/NNW	23/NNW	42/NNW	38/NNW	28/NNW	22/N	10/NNE	18/ENE	28/ESE	33/SE	32/ESE	17/ESE	6/ESE	8/NW	23/NW	26/NW	24/NNW	13/NNW	8/NNW	26/NE	25/NE	18/E	13/S	21	42/NNW
06/04	8/ESE	6/E	8/N	10/NNE	10/N	11/NNW	8/N	3/ENE	15/ESE	24/ESE	27/ESE	32/ESE	32/SE	19/ESE	1/NE	11/NNW	22/NNW	17/NNW	26/NNW	24/NNW	16/NNW	6/S	11/ESE	21/SE	15	32/SE
06/05	20/SSE	12/SSE	5/SE	7/SW	14/WNW	24/NW	27/NW	19/NW	12/WNW	13/SSW	29/S	38/SSE	53/SSE	48/SSE	35/SSE	20/S	11/SW	14/WNW	20/NW	16/NW	16/NW	9/WNW	6/NNW	9/ENE	20	53/SSE
06/06	13/ESE	22/SE	15/SSE	6/ESE	6/SW	7/WNW	18/NNW	18/NNW	11/NNW	1/SW	17/ENE	28/SE	37/SE	44/SSE	29/SE	19/SSE	6/SSE	4/NNW	18/NNW	25/NW	31/NW	29/NNW	18/N	10/NE	18	44/SSE
06/07	17/E	10/E	18/E	17/E	12/ENE	4/N	14/NW	18/NNW	34/NNW	27/NNW	10/NNW	7/SSE	10/ESE	23/SE	30/SE	27/SE	13/ESE	3/N	24/NW	38/NW	47/NW	54/NNW	25/N	13/NNE	21	54/NNW
06/08	20/ENE	19/E	20/ESE	19/ESE	21/E	4/ESE	4/N	13/NNW	23/NW	15/NW	11/W	3/SSE	4/SSE	17/SSE	17/SE	18/SE	15/SE	10/S	14/W	27/NW	36/NNW	56/NNW	36/N	21/N	18	56/NNW
06/09	11/ENE	19/ESE	35/SE	37/SE	25/SE	16/SE	6/E	11/NW	15/NW	20/NW	30/NNW	12/N	9/ESE	18/ESE	14/SE	16/ESE	18/ENE	8/NE	13/NNW	33/NNW	50/NNW	59/NNW	44/N	23/N	23	59/NNW
06/10	10/N	14/ESE	21/ESE	22/ESE	19/SE	8/ESE	14/NW	26/NNW	39/NNW	13/N	15/N	13/N	16/NNE	11/ESE	23/ESE	26/E	16/E	17/ENE	9/NNE	16/NNW	36/NNW	59/NNW	43/NNW	26/NNW	21	59/NNW
06/11	13/NNW	1/S	12/SE	27/SE	30/SE	29/ESE	21/ESE	12/NNE	12/N	15/N	17/NNW	11/N	9/NNE	21/ENE	24/ESE	24/ESE	24/ESE	14/E	21/E	21/ENE	7/NNE	15/NNW	40/NNW	36/NNW	19	40/NNW
06/12	14/NNE	9/ENE	22/E	33/SE	35/SE	33/SE	24/ESE	22/ESE	22/E	17/NE	15/NNE	9/NE	5/N	7/S	23/SSE	26/SE	21/SE	21/SE	11/E	9/NE	12/NNW	11/N	19/N	36/NNW	19	36/NNW
06/13	31/NNW	11/NNW	8/E	21/ESE	21/SE	31/SSE	24/SE	16/ESE	7/SE	3/N	11/N	19/NNW	14/NNW	14/NW	2/WNW	10/SE	20/SE	19/SE	30/ESE	25/ESE	24/ENE	13/NE	35/NNW	42/NNW	19	42/NNW
06/14	46/NNW	19/N	10/N	12/E	23/ESE	25/SE	24/SE	25/SE	17/ESE	9/NE	19/NNW	24/NW	23/NW	22/NW	12/NW	9/WNW	6/SSW	15/S	12/S	5/ESE	1/SW	22/NW	29/NNW	51/NNW	19	51/NNW
06/15	49/N	40/N	26/N	18/N	11/ENE	22/ENE	17/SE	22/SE	20/ESE	15/ENE	4/NNE	17/N	24/NNW	*	18/NNW	10/N	2/ENE	4/S	11/SW	17/SW	19/SW	13/WSW	16/NW	25/NNW	18	49/N
06/16	41/NNW	43/N	33/NNW	23/NNW	11/N	9/SSE	19/SSE	27/SE	22/SE	20/SE	16/SE	6/E	9/WSW	14/WNW	13/WNW	11/W	8/SSW	13/S	23/S	21/S	8/ESE	7/SW	7/W	12/NNW	17	43/N
06/17	23/NNW	35/NNW	37/NW	15/N	21/N	13/NE	21/SSW	23/SSE	35/SSE	20/SSE	11/SSE	10/SSE	8/E	3/ENE	11/W	18/W	15/W	11/SW	8/SW	12/S	19/S	12/S	10/SSE	4/ENE	17	37/NW
06/18	17/NW	21/NNW	34/NNW	35/NNW	19/NNW	14/N	8/N	9/NE	13/E	17/SE	15/ESE	8/ESE	5/ENE	6/NW	31/NW	47/NNW	37/NNW	16/N	12/NNW	21/ENE	17/ESE	20/SSE	18/SE	15/ESE	19	47/NNW
06/19	7/E	12/NNW	32/NW	39/NNW	50/NNW	40/NNW	17/NNW	4/NNE	10/ESE	18/SSE	19/SE	23/SE	13/SE	3/N	34/NW	28/NNW	46/NNW	47/NNW	29/NNW	20/N	7/N	10/S	19/SSW	20/SSW	23	50/NNW
06/20	7/S	5/SSW	14/WNW	27/NW	38/NW	40/NW	30/NW	19/NW	14/W	8/SSW	31/S	71/SW	38/SSW	12/SSE	27/NW	50/NW	83/NNW	90/NNW	94/NNW	69/NNW	45/NW	20/WNW	17/WSW	31/SSW	37	94/NNW
06/21	47/SSW	53/SSW	32/SE	35/NNW	62/NW	69/NW	76/NW	76/NNW	58/NW	53/NW	50/NW	43/WNW	54/NW	67/NW	81/NNW	87/NNW	88/NNW	79/NW	80/NW	65/NW	41/NW	21/WNW	21/WNW	12/S	56	88/NNW
06/22	30/SW	29/SW	22/WSW	16/W	25/NW	40/NW	34/NW	29/NW	25/NW	19/WNW	12/S	23/S	30/SSW	23/S	22/S	5/SSE	32/NW	48/NNW	67/NW	57/NNW	64/NNW	45/NNW	16/N	6/ESE	30	67/NW
06/23	18/ESE	23/S	25/SSE	17/SSE	7/SE	7/WSW	*	23/NW	16/NNW	11/N	7/N	13/SE	22/SE	30/ESE	27/E	29/ESE	22/SSE	12/WNW	28/NNW	41/NNW	55/NNW	44/NNW	25/NNW	7/NW	22	55/NNW
06/24	10/E	24/ESE	20/ESE	28/ESE	19/E	8/N	14/NNW	23/NNW	41/NNW	42/NNW	32/NNW	16/N	18/NNE	17/E	15/ESE	22/E	20/ENE	15/NE	17/N	28/NNW	*	57/NNW	47/NNW	19/N	24	57/NNW
06/25	14/NW	5/NNE	24/ESE	33/SE	24/ESE	12/SE	5/SW	11/WNW	19/NNW	23/NW	22/NNW	21/NW	8/N	3/S	15/S	17/SSE	11/SSE	7/S	5/WNW	16/NW	42/NNW	59/NNW	50/N	48/NNW	21	59/NNW
06/26	20/N	13/NNE	22/E	24/E	26/ESE	24/SE	14/SSE	5/NNW	18/NNW	29/NNW	39/NNW	52/NNW	34/N	19/N	2/NW	8/SSE	12/S	14/S	0/S	20/NW	45/NNW	63/NNW	65/NNW	56/NNW	26	65/NNW
06/27	25/NNW	10/NW	5/S	20/SE	27/SE	30/SE	22/SE	14/SSE	3/W	29/NW	52/NNW	53/NNW	48/N	30/N	11/N	5/ENE	13/ESE	6/SE	6/SSW	18/NW	31/NNW	49/NNW	51/NNW	57/NNW	26	57/NNW
06/28	43/NNW	33/NNW	9/NW	14/SSE	23/ESE	41/SE	*	23/SE	8/SSE	9/WNW	28/NW	48/NNW	61/NNW	68/NNW	30/N	16/N	5/NNE	6/E	20/ESE	21/E	14/E	5/N	24/NNW	44/NNW	26	68/NNW
06/29	47/NNW	43/NNW	19/NNW	5/N	16/ENE	20/ESE	27/E	32/ESE	18/E	3/E	12/NW	34/NW	41/NW	39/NNW	44/NNW	36/NNW	16/N	10/E	20/ESE	27/SE	30/SSE	19/SE	2/S	8/NNW	24	47/NNW
06/30	20/WNW	38/NW	40/NW	27/NNW	26/NNW	15/NNW	*	21/SSE	14/ESE	14/E	5/ENE	7/N	16/NNW	24/NW	34/NW	32/NW	25/WNW	*	10/SE	16/S	11/S	15/SE	15/E	7/ENE	20	40/NW
平均值	22	21	22	23	23	22	20	20	20	20	21	24	23	22	22	23	22	20	22	25	27	28	25	23		
最大值	49/N	53/SSW	40/NW	42/NNW	62/NW	69/NW	76/NW	76/NNW	58/NW	53/NW	52/NNW	71/SW	61/NNW	68/NNW	81/NNW	87/NNW	88/NNW	90/NNW	94/NNW	69/NNW	64/NNW	63/NNW	65/NNW	57/NNW		

[註 1]: 月平均流速= **22cm/s**, 最大流速= **94m/s**, 其流向爲 **NNW**(去向)。流速分佈: **<25cm/s: 68.8%,25~50cm/s: 25.2%,50~70cm/s: 4.6%,75~100cm/s: 1.4%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 15.0%,E~S: 31.9%,S~W: 7.8%,W~N: 45.2%**, 流向主軸:**NNW-SSE**(佔 **28.6%**), 主流向:**NNW**(佔 **22.7%**)。每小時記錄一次, 本月計 **714**筆 (**99%**), 資料檔名:**C096APX0.1HA**。

港灣技術研究中心

表3.4.8　2009 年 07 月 安平港測站 X 觀測逐時流速及流向月報表

2009年 **7**月 **1**日 **0**時 **0**分 ～ **2009**年 **7**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
07/01	10/NNW	23/NNW	29/NW	33/NW	29/NNW	17/NNW	6/NNW	9/SSE	14/SSE	16/SSE	11/ESE	6/ESE	4/NNW	9/NNW	19/NNW	25/NNW	32/NW	29/NW	19/NW	11/WSW	19/SSW	17/S	14/SSE	22/ESE	18	33/NW
07/02	14/E	4/N	19/NNW	22/NNW	22/NW	18/N	19/N	15/NE	16/SE	16/SE	13/ESE	13/ESE	6/ENE	7/NNW	12/N	28/NNW	38/NNW	41/NNW	19/N	20/N	5/E	17/SE	22/SE	24/ESE	18	41/NNW
07/03	22/ESE	11/ESE	4/WSW	12/NNW	18/NNW	19/NNW	13/NW	15/NNW	9/S	9/S	11/S	13/SE	10/ESE	6/NNE	11/N	29/NNW	43/NNW	42/NNW	41/N	23/N	17/N	17/N	5/NNE	12/E	17	43/NNW
07/04	20/ESE	15/SE	3/S	13/NW	26/NNW	28/NNW	23/NNW	21/NNW	7/N	8/NE	8/SSE	9/SSE	8/NE	8/NE	11/N	21/N	33/NNW	52/NNW	53/NNW	33/N	28/N	23/NNE	16/NNE	18/E	20	53/NNW
07/05	18/ESE	17/ESE	15/SSE	5/S	14/NW	14/NW	18/NNW	15/NW	15/NNW	7/N	10/S	20/SSE	11/SE	15/SE	14/NE	7/NNW	21/NNW	36/NNW	55/NNW	65/NNW	52/NNW	27/N	21/N	20/ENE	21	65/NNW
07/06	30/E	24/ESE	23/SE	20/SE	7/SW	13/WNW	16/NW	21/NNW	19/NW	19/NW	10/NNW	5/SSE	5/ENE	9/ESE	18/E	10/E	8/N	19/N	51/NNW	66/NNW	73/NNW	44/N	30/N	18/N	23	73/NNW
07/07	21/E	33/ESE	32/SE	25/SE	21/SSE	3/E	*	11/NNW	11/NNW	9/N	5/N	13/NNE	11/SE	7/S	10/SE	12/SSE	16/ESE	6/E	18/NNW	38/NNW	48/NW	38/N	32/N	27/NNE	19	48/NW
07/08	14/NNE	16/ENE	16/SE	23/SE	13/SE	12/SE	3/ENE	20/NW	25/NNW	25/NNW	19/NW	14/N	7/SSE	24/SSE	18/S	24/SSE	24/SE	13/ESE	9/SW	22/NW	36/NNW	47/NNW	34/N	23/N	20	47/NNW
07/09	13/NE	24/E	31/SE	33/SE	30/SSE	24/SSE	*	11/SSW	12/SW	15/WSW	16/W	14/WSW	19/S	29/S	38/SSE	51/SSE	44/SSE	25/S	16/SW	20/W	27/NW	44/NW	37/N	30/N	26	51/SSE
07/10	9/NNE	14/ESE	25/SE	29/ESE	31/SE	25/SE	16/SSE	5/NE	6/W	10/NW	6/NW	6/SW	5/SE	17/SSE	29/SSE	37/SSE	40/SSE	23/S	14/SSW	15/W	25/NW	25/NW	48/NNW	30/N	20	48/NNW
07/11	21/N	9/ENE	16/SSE	24/SSE	33/SSE	23/SSE	*	18/S	15/WNW	31/NW	26/WNW	25/NW	5/NNW	8/SE	24/SSE	29/S	28/SSE	30/SSE	29/S	10/SW	16/WNW	33/NW	53/NW	50/NNW	24	53/NW
07/12	34/N	26/N	20/E	28/ESE	34/SSE	29/SSE	31/S	21/SSW	18/SSW	14/WNW	30/NW	25/NW	31/NNW	3/NNW	11/SE	29/SSE	36/SSE	36/SSE	33/SSE	16/SSE	21/SSW	15/W	27/NW	36/NNW	25	36/SSE
07/13	31/NW	10/NNW	3/E	19/SE	36/SE	33/ESE	30/SE	31/S	14/S	12/SW	21/NNW	25/NW	24/NW	28/NNW	15/N	2/ESE	19/SE	19/SSE	6/S	6/NW	22/NNW	47/NNW	70/NNW	66/NNW	25	70/NNW
07/14	52/NNW	31/NNW	13/NNW	3/NNW	12/SSE	17/SSE	17/SE	*	3/WSW	23/NW	40/NNW	48/NNW	42/NNW	30/NNW	14/NNW	2/N	8/SSE	16/SSE	13/S	8/W	12/WNW	24/NW	37/NW	44/NNW	22	52/NNW
07/15	30/NNW	22/NNW	16/NNW	3/NNE	14/SE	36/SSE	*	*	4/WSW	13/WNW	27/NNW	41/NNW	49/NNW	32/NNW	13/N	10/NNE	8/E	18/E	*	39/SSE	32/SSE	18/SE	9/S	6/WNW	21	49/NNW
07/16	20/NW	24/NNW	22/NW	10/WNW	11/SSW	18/SSE	30/SSE	44/S	44/S	31/S	9/SSE	5/NW	22/NW	27/NW	21/NW	12/WNW	7/SSW	19/SSE	31/SSE	40/SSE	44/SSE	46/SSE	29/S	15/SSE	24	46/SSE
07/17	20/NE	42/N	15/WSW	18/WSW	19/SW	21/S	13/ESE	27/SE	30/SSE	33/SE	18/SSE	24/SSE	8/S	9/W	8/NNW	7/NW	3/W	7/S	14/SSE	37/SSE	26/ESE	49/SSE	26/SE	34/SSE	21	49/SSE
07/18	9/S	4/WNW	8/NNW	12/N	12/NNW	1/W	6/ESE	27/SSE	35/S	45/SSE	37/SSE	26/S	6/SSW	24/NW	49/NW	76/NNW	69/NNW	75/NNW	51/NNW	25/NW	21/WNW	11/WNW	16/WNW	13/W	27	76/NNW
07/19	9/WNW	17/WNW	23/NW	30/NW	34/NW	22/NW	16/WNW	14/SW	14/SSE	22/S	23/S	22/SSE	10/S	7/W	31/NW	59/NNW	69/NNW	53/NNW	43/NNW	23/NNW	9/WNW	8/ESE	21/SE	29/ESE	25	69/NNW
07/20	30/ESE	22/SE	15/S	6/W	19/NW	31/NW	*	19/NNW	4/NW	7/ESE	18/ESE	23/SE	23/ESE	*	6/E	14/NW	38/NNW	49/NNW	52/NNW	35/N	24/N	12/NE	9/ESE	18/SE	22	52/NNW
07/21	25/ESE	17/SE	22/SE	8/S	18/WNW	43/WNW	38/NNW	44/NNW	32/NNW	18/NNW	3/E	11/E	16/ESE	*	24/E	12/ENE	13/N	39/NNW	51/NNW	53/NNW	49/N	42/N	22/NNE	15/ENE	27	53/NNW
07/22	22/ESE	23/SE	26/ESE	11/E	4/ESE	87/ENE	34/NW	40/NNW	33/NNW	28/NNW	8/N	9/ENE	17/SE	23/ESE	16/E	17/E	12/ENE	18/NNW	43/NNW	63/N	61/W	60/W	43/NW	24/WNW	30	87/ENE
07/23	14/WSW	39/SSW	34/S	92/WSW	29/S	59/W	74/W	31/NNW	49/NNW	44/NNW	23/N	10/S	23/SE	38/SE	38/SE	24/ESE	15/ESE	5/W	26/NW	52/NNW	66/NNW	54/NNW	55/NNW	30/N	39	92/WSW
07/24	16/NE	22/ESE	28/SE	37/SE	23/SE	23/ESE	9/S	8/N	37/NW	47/NNW	46/NNW	23/NNW	0/N	18/SSE	24/SSE	29/SE	27/ESE	21/E	5/NE	13/N	45/NNW	60/NNW	43/NNW	48/NNW	27	60/NNW
07/25	22/NNE	14/NNE	19/ESE	26/SE	20/SSE	15/SE	*	7/NNW	34/NW	49/NW	56/NNW	47/NNW	27/NNW	*	16/SE	33/SE	32/SE	26/ESE	9/ESE	7/WNW	28/NNW	55/NNW	61/NNW	59/NNW	30	61/NNW
07/26	40/N	22/N	7/NNE	16/ESE	21/SE	21/ESE	*	3/NNW	13/NNW	34/NNW	47/NNW	36/N	36/NNW	*	5/SE	15/SE	25/ESE	24/ESE	15/E	4/ESE	13/N	40/NNW	63/NNW	60/NNW	25	63/NNW
07/27	31/N	20/NNE	13/NNE	18/E	20/SSE	24/SSE	21/SE	4/SE	10/N	28/NNW	52/NNW	59/NNW	50/NNW	35/N	43/N	14/NNE	13/ESE	22/ESE	23/E	10/ESE	5/NNE	21/NNW	40/NNW	48/NNW	26	59/NNW
07/28	35/N	33/NNW	22/N	4/ESE	18/SE	21/SSE	22/SSE	28/SE	20/ESE	4/ENE	22/NNW	48/NNW	64/NNW	41/N	32/N	17/N	8/ENE	18/ESE	20/SSE	16/SSE	10/SSE	3/NE	17/NNW	28/NNW	23	64/NNW
07/29	37/NNW	39/NNW	34/NNW	16/N	9/NNE	15/ESE	17/SSE	*	22/SE	16/SE	2/NE	14/NW	31/NNW	42/NW	52/NNW	29/NNE	19/NNE	18/NE	23/E	28/SE	15/SE	16/ESE	4/SSE	10/WNW	22	52/NNW
07/30	28/NW	37/NNW	29/NNW	12/NNW	9/SSW	18/S	26/SSE	30/SSE	32/SSE	15/SSE	*	8/NW	22/NNW	36/NNW	40/NNW	30/NNW	12/N	8/NE	15/ESE	25/SSE	20/SSE	19/SE	18/SE	11/SSE	22	40/NNW
07/31	5/WSW	17/WNW	9/WNW	13/W	12/W	6/W	4/ESE	17/SE	25/SSE	30/SSE	27/S	7/SSW	8/WNW	16/NNW	20/N	*	18/NW	7/NNW	3/SSE	12/SSE	14/S	18/S	19/SSE	20/SE	14	30/SSE
平均值	23	22	19	20	20	24	21	20	20	22	21	21	19	20	22	23	25	26	27	27	28	31	30	29		
最大值	52/NNW	42/N	34/S	92/WSW	36/SE	87/ENE	74/W	44/NNW	49/NNW	49/NW	56/NNW	59/NNW	64/NNW	42/NW	52/NNW	76/NNW	69/NNW	75/NNW	55/NNW	66/NNW	73/NNW	60/NNW	70/NNW	66/NNW		

[註 1]: 月平均流速= **23cm/s**, 最大流速= **92m/s**, 其流向爲 **WSW**(去向)。流速分佈: **<25cm/s: 64.0%,25~50cm/s: 29.8%,50~70cm/s: 5.6%,75~100cm/s: .6%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 12.1%,E~S: 37.3%,S~W: 7.6%,W~N: 43.1%**, 流向主軸:**NNW-SSE**(佔 **35.4%**), 主流向:**NNW**(佔 **22.8%**)。每小時記錄一次, 本月計 **727**筆 (**98%**), 資料檔名:**C097APX0.1HA**。

港灣技術研究中心

表3.4.9　2009 年 08 月 安平港測站 X 觀測逐時流速及流向月報表

2009年 **8**月 **1**日 **0**時 **0**分 ~ **2009**年 **8**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
08/01	15/SE	13/ESE	2/ESE	13/SW	10/SSW	17/SSW	10/SW	9/NE	*	20/SSE	15/ESE	9/ESE	11/NE	9/N	23/NNW	38/NNW	47/NNW	27/NNE	27/N	15/NNE	15/E	23/SE	33/SSE	34/SE	19	47/NNW
08/02	40/SE	35/SE	28/SE	9/ENE	7/NNE	18/N	14/NW	6/WNW	7/W	3/WSW	6/SW	8/SSW	16/SSW	4/WSW	11/W	33/NNW	44/NNW	35/N	33/N	33/N	12/NNE	12/ESE	18/SE	23/SE	19	44/NNW
08/03	17/E	25/ESE	12/ESE	7/S	12/WSW	21/NW	31/NW	36/NW	*	20/NW	13/NW	4/NW	6/NW	10/NNW	19/NW	34/NNW	68/NNW	56/NNW	41/NNW	35/NNW	20/NNW	2/NW	9/SE	18/S	22	68/NNW
08/04	21/SSE	26/SE	17/SSE	14/S	12/SW	20/NW	31/NW	31/NW	24/NW	13/WNW	6/SW	12/SSE	21/S	*	17/SSW	6/SSW	23/WNW	58/NNW	66/NNW	42/NNW	43/NNW	19/NNW	4/S	15/SSE	23	66/NNW
08/05	21/SE	30/SE	38/SE	29/SE	23/SE	10/SSE	13/NW	22/NW	32/NW	22/NW	*	11/SE	21/SSE	21/ESE	30/SE	23/SSE	8/SSW	4/NNW	25/NNW	46/NNW	46/NNW	45/NNW	17/N	9/E	24	46/NNW
08/06	29/ESE	41/ESE	51/SE	47/SE	33/SE	24/ESE	16/ESE	4/E	12/NNW	11/WNW	13/WNW	10/SSW	33/S	*	54/SSE	51/SSE	39/S	24/S	15/SW	17/WNW	24/NW	28/NW	12/WNW	16/SE	26	54/SSE
08/07	50/SE	73/SE	71/SSE	73/SSE	70/SSE	49/SE	46/SE	29/SE	38/SE	31/SE	50/SSE	79/SSE	91/SSE	108/SSE	100/SSE	88/SSE	73/SSE	62/SSE	42/SSE	71/SSE	56/SSE	58/SSE	64/SSE	77/SSE	65	108/SSE
08/08	95/SSE	108/SSE	98/SSE	90/SSE	80/SSE	82/SSE	72/SSW	60/SSW	71/SSW	75/SSW	66/SW	82/SW	126/SSW	147/SSW	108/S	139/SSW	113/SSW	59/WSW	81/NW	106/NW	80/NNW	61/NW	59/NW	55/NW	88	147/SSW
08/09	36/NW	11/WNW	9/SW	45/SW	75/SSW	31/SW	34/WNW	53/WNW	49/NW	51/NW	49/WNW	37/WNW	12/W	19/WSW	49/SW	86/SSW	79/SSW	*	*	27/WSW	59/WNW	65/NW	73/N	83/NW	47	86/SSW
08/10	40/NNW	24/ENE	5/SE	26/WSW	40/SSW	33/SW	43/S	12/SE	22/W	30/NW	51/NNW	36/NNW	28/NNW	23/WNW	6/S	21/SSW	24/S	19/SW	25/WSW	27/SSW	25/NW	29/NW	44/NNW	49/NNW	28	51/NNW
08/11	43/NNW	56/NW	37/WNW	25/SW	30/S	30/SSW	19/SSW	17/W	30/WNW	38/WNW	40/NNW	34/NNW	38/NNW	22/NNW	45/WNW	34/WNW	12/WSW	5/SW	20/W	20/WNW	34/WNW	37/WNW	30/NNW	39/NNW	31	56/NW
08/12	30/NNW	55/NW	30/WNW	16/SW	21/SSW	24/SSW	23/SW	21/WSW	21/W	27/NW	35/NW	43/NW	28/NNW	24/NNW	16/NNW	23/NW	12/NW	12/SW	6/SW	8/W	15/WNW	22/NW	35/NW	44/WNW	25	55/NW
08/13	32/N	20/N	16/N	6/NNE	11/ENE	20/ENE	19/NE	19/NNE	4/NNE	21/NNW	20/NW	25/NW	31/NW	32/WNW	21/NNW	17/N	25/E	28/ESE	32/SE	32/SE	27/SE	6/SSE	12/WSW	30/WNW	21	32/N
08/14	35/NW	40/NNW	22/NNW	15/WNW	5/W	8/SE	13/E	11/ESE	9/ESE	3/NNW	7/WNW	19/NW	26/NW	31/WNW	16/WNW	27/N	20/N	11/SSE	24/S	25/SSE	24/S	21/S	16/SW	13/WSW	18	40/NNW
08/15	12/W	18/WNW	20/W	25/WSW	19/SW	19/SW	11/SSW	12/SSE	13/ESE	9/S	6/SSW	3/NW	13/NW	28/NNW	32/NNW	15/NW	24/NNW	7/WNW	14/S	14/SSE	25/SSE	41/SSE	30/S	17/S	18	41/SSE
08/16	15/SW	30/WSW	32/WSW	26/WSW	25/W	26/WSW	26/SW	26/SW	20/SSW	14/S	8/ENE	8/NNE	9/N	18/N	32/NNW	16/NNW	43/NNW	36/NNW	13/NNW	5/NNW	26/W	9/S	14/SSE	27/SW	21	43/NNW
08/17	13/NW	18/WNW	25/NW	22/W	21/WNW	19/WNW	9/WNW	1/NNW	5/SSE	27/ENE	25/ENE	24/NE	16/ENE	6/N	15/N	33/NW	29/NNW	52/N	45/N	23/N	9/NE	23/ENE	19/SSE	17/SSW	21	52/N
08/18	19/SSE	5/WSW	11/SW	22/WNW	25/W	32/WNW	32/NNW	13/WNW	20/N	15/NE	13/SE	15/SSE	13/ESE	20/ESE	14/SE	15/NW	28/NW	34/NW	36/NW	25/NNW	8/NW	7/SW	15/SSW	22/S	19	36/NW
08/19	24/SSW	19/SSW	11/SW	17/NNW	21/NW	29/WNW	50/NNW	31/NNW	11/NW	5/NE	20/SE	35/SE	43/SE	34/SE	43/SSE	30/S	14/WNW	31/WNW	36/NW	39/NNW	18/NW	12/ENE	24/SSE	29/SSE	26	50/NNW
08/20	25/SE	27/SE	27/SE	10/SE	10/NW	16/W	25/NW	19/NNW	23/N	13/NNE	17/E	40/SE	52/ESE	34/SSE	36/SE	30/ESE	26/SSE	7/WNW	32/NW	28/NNW	16/NNW	16/NW	15/SSE	25/SSE	24	52/ESE
08/21	27/SE	55/SE	35/SE	60/SE	23/SE	25/NE	16/NNW	26/NW	35/WNW	12/NNW	8/N	19/ESE	34/E	56/ESE	54/SSE	42/ESE	33/ESE	23/SE	10/W	17/NNE	32/NNW	22/N	18/N	15/ESE	29	60/SE
08/22	26/SE	47/SE	57/SSE	50/SSE	54/SE	39/SE	10/SW	19/N	10/WSW	30/NNW	35/N	17/ESE	34/ESE	51/ESE	45/SE	45/SE	46/SE	34/SE	16/S	5/SE	11/NNW	24/NNW	21/NNW	9/NW	31	57/SSE
08/23	18/SE	42/SE	59/SE	60/SSE	59/SSE	51/SSE	20/S	11/NW	24/NNW	20/NNW	22/N	10/N	17/E	38/ESE	53/SE	55/SSE	56/SSE	44/SSE	32/SSE	32/SSE	8/W	18/NW	29/WNW	36/NW	34	60/SSE
08/24	13/WNW	3/E	10/SSE	33/SSE	45/SSE	44/S	40/SSW	15/W	27/NW	34/NNW	29/N	21/N	10/E	30/SE	45/ESE	63/ESE	46/SE	33/ESE	19/ESE	17/SSE	5/S	22/WNW	31/WNW	21/NW	27	63/ESE
08/25	10/NNW	6/ESE	7/SSE	11/S	26/S	41/S	21/SSW	24/SSW	11/WSW	23/N	32/N	27/NNE	22/N	18/ENE	26/ENE	46/E	56/E	57/ESE	25/ESE	9/SSE	5/S	7/WNW	12/WNW	14/NW	22	57/ESE
08/26	17/W	15/WSW	6/SSE	21/SW	25/SW	14/SSE	11/S	13/S	29/SSW	7/W	25/NW	23/N	17/NNE	18/NNE	26/ESE	47/ESE	52/ESE	48/ESE	49/ESE	31/ESE	11/S	8/SSW	13/W	25/WSW	23	52/ESE
08/27	26/WSW	19/WSW	16/WSW	27/WSW	33/SW	23/SW	16/SSE	15/SSE	10/S	3/ENE	11/N	30/NW	31/N	12/NW	22/E	36/ESE	42/ESE	48/ESE	46/ESE	40/ESE	19/SSE	14/SSE	17/E	16/SSE	24	48/ESE
08/28	14/E	11/ESE	4/E	15/WSW	16/S	19/WSW	13/SW	12/SSW	12/SSE	14/ENE	19/ENE	25/NNE	15/NNE	22/N	18/N	26/ENE	24/E	43/ESE	46/ESE	36/ESE	27/ESE	16/SE	14/SE	6/SW	19	46/ESE
08/29	9/ENE	7/SE	5/SE	8/ESE	8/S	24/SW	19/SSW	19/SSW	5/ESE	10/ENE	23/ENE	29/ENE	14/NE	20/NE	13/NNE	17/NNE	24/ENE	19/ESE	37/ESE	41/ESE	33/ESE	20/SSE	14/SSW	21/S	18	41/ESE
08/30	23/S	9/W	18/W	10/WNW	21/W	27/WSW	25/W	35/W	27/WNW	9/SW	15/NNE	21/NNE	15/NE	22/NNE	18/NNE	18/N	19/N	16/N	14/ESE	21/S	24/SSW	3/SSE	24/W	25/W	19	35/W
08/31	31/WSW	11/SW	15/NNW	18/NNW	13/NNE	12/NE	9/NNE	9/ENE	25/ENE	16/SSE	11/E	16/ENE	23/E	25/ENE	22/E	6/NE	5/NNW	17/NNW	7/WNW	7/W	35/ESE	36/ESE	42/SSE	39/SE	19	42/SSE
平均值	27	29	26	27	28	27	24	20	22	20	23	25	28	31	33	37	37	32	30	29	26	23	25	28		
最大值	95/SSE	108/SSE	98/SSE	90/SSE	80/SSE	82/SSE	72/SSW	60/SSW	71/SSW	75/SSW	66/SW	82/SW	126/SSW	147/SSW	108/S	139/SSW	113/SSW	62/SSE	81/NW	106/NW	80/NNW	65/NW	73/N	83/NW		

[註 1]: 月平均流速= **27cm/s**, 最大流速= **147m/s**, 其流向爲 **SSW**(去向)。流速分佈: **<25cm/s: 56.4%,25~50cm/s: 32.6%,50~70cm/s: 7.6%,75~100cm/s: 2.2%,>100cm/s: 1.2%**。

[註 2]: 流向分佈: **N~E: 12.1%,E~S: 34.1%,S~W: 20.1%,W~N: 33.8%**, 流向主軸:**SSE-NNW**(佔 **22.1%**), 主流向:**SSE**(佔 **11.1%**)。每小時記錄一次, 本月計 **737**筆 (**99%**), 資料檔名:**C098APX0.1HA**。

港灣技術研究中心

表3.4.10　2009 年 09 月 安平港測站 X 觀測逐時流速及流向月報表

2009年 **9**月 **1**日 **0**時 **0**分 ～ **2009**年 **9**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
09/01	32/SSE	5/SE	16/W	20/W	31/WNW	28/WNW	21/WNW	22/WNW	17/WSW	6/SSW	13/ENE	12/E	16/ESE	31/ENE	29/ENE	19/E	13/NNE	14/NNE	29/NW	42/WNW	21/WNW	20/NW	21/W	16/WNW	21	42/WNW
09/02	5/SSE	28/S	29/W	30/WNW	28/WNW	33/WNW	34/WNW	30/WNW	22/W	7/NW	12/E	18/ENE	18/E	22/E	30/ESE	19/E	21/E	15/NNE	31/NW	13/N	20/NNW	35/WNW	16/WNW	26/NW	23	35/WNW
09/03	20/W	29/SSW	33/SSW	35/WNW	30/NW	27/WNW	38/W	32/W	16/W	13/WNW	12/NE	23/ENE	21/SE	29/E	34/E	32/ESE	24/ENE	4/E	18/NNW	31/NNW	33/NNW	38/NNW	32/NNW	27/WNW	26	38/W
09/04	16/SE	3/S	15/SSW	6/SW	38/W	30/W	32/WNW	36/NW	28/NW	16/W	15/ENE	37/E	29/SE	28/ESE	36/ESE	30/ESE	22/ESE	14/NNE	24/NNW	36/NNW	27/NNW	23/N	23/N	19/NNW	24	38/W
09/05	23/ESE	26/ESE	20/ESE	12/ESE	1/WSW	2/N	21/WNW	30/WNW	35/NW	21/NNW	15/NNW	13/NNE	23/ESE	29/ESE	29/E	36/ENE	23/E	9/NE	23/NW	49/NW	37/NNW	21/NNW	10/NNW	5/NE	21	49/NW
09/06	19/E	29/ESE	31/SE	30/ESE	24/SE	9/ENE	23/W	35/WNW	39/NW	29/NW	22/NW	31/WNW	25/W	17/E	19/ENE	22/NE	16/ENE	26/NNE	17/N	34/NNW	36/NNW	40/NW	37/NNW	14/NW	26	40/NW
09/07	10/N	19/ESE	15/SSE	18/SE	15/SE	28/SW	20/WNW	30/NW	22/NW	30/NW	25/N	25/N	25/E	22/E	32/SE	34/ESE	43/SE	26/ESE	14/SSE	13/WSW	15/WSW	14/W	23/NW	21/WNW	22	43/SE
09/08	7/NNW	20/NE	19/E	31/ESE	27/E	5/SSE	13/SSE	7/WNW	22/NW	17/N	31/NNW	28/NW	26/ENE	37/ENE	27/E	32/SE	35/ESE	30/SE	22/SE	7/WSW	17/NNW	25/NNW	17/N	15/NE	22	37/ENE
09/09	10/NNE	32/WSW	29/SSW	22/S	23/S	24/SSE	15/ENE	4/SE	31/WNW	46/NW	21/NNW	27/N	21/ENE	28/ESE	40/ESE	43/SE	39/SE	45/SSE	38/SSE	11/ESE	20/N	19/NNE	14/N	14/ENE	26	46/NW
09/10	13/NE	24/SW	29/WSW	25/SSW	33/SSW	20/SSW	21/S	26/WSW	23/WSW	25/WNW	33/NNW	26/NNW	21/NNW	11/NNE	12/ESE	25/SE	36/ESE	50/SSE	37/SSE	37/SSW	10/SSW	20/WNW	24/NW	24/NW	25	50/SSE
09/11	16/WNW	11/WNW	34/W	16/S	13/SSE	10/S	5/ENE	13/W	17/WNW	20/NW	23/NW	23/NW	19/NNW	21/NNW	13/N	14/E	27/ESE	35/SE	40/SE	29/ESE	28/SE	21/SE	3/ESE	14/ESE	19	40/SE
09/12	16/ESE	2/N	16/W	12/WSW	17/SSW	34/S	12/SSW	11/W	11/WSW	3/SW	9/NW	20/NNW	22/NNW	16/NNW	17/NNE	14/E	18/ESE	27/ESE	49/SSE	47/SSE	29/SSE	18/SE	18/S	18/S	19	49/SSE
09/13	20/SSE	18/ESE	16/ESE	12/ENE	15/SE	5/ESE	20/SSW	16/SSW	12/S	10/S	14/E	9/ENE	21/N	19/N	14/NNW	32/NW	21/NNE	17/ENE	14/SSE	37/SE	35/SE	30/SE	22/SE	7/SE	18	37/SE
09/14	4/WNW	5/WNW	15/NW	18/WNW	7/WNW	4/ESE	11/S	10/E	15/SSE	18/ESE	17/ESE	6/S	3/WSW	17/NW	29/NW	36/NW	31/NW	24/NW	15/NW	8/NNW	6/NNE	6/SSW	9/ESE	15/ESE	14	36/NW
09/15	5/E	7/WSW	11/WNW	11/NW	11/WNW	26/W	17/WSW	17/SW	10/SSW	9/SE	23/SSE	23/SE	13/ESE	4/SE	22/WNW	19/NW	31/NNW	24/NNW	19/NNW	11/NNW	8/ESE	19/SE	28/SSE	34/S	17	34/S
09/16	33/SSE	21/S	14/S	9/W	17/W	21/WNW	25/WSW	19/WSW	11/SSW	15/SSE	38/SSE	46/SSE	47/SSE	37/SE	32/SE	36/SSE	24/S	13/WSW	20/WNW	15/WSW	21/SSW	27/S	50/S	49/S	27	50/S
09/17	55/S	54/S	16/S	17/SSW	21/SSW	12/S	1/NNE	8/WSW	6/S	20/S	50/SE	30/SSE	49/SSE	52/SSE	44/SSE	42/SSE	24/SSE	11/S	13/SW	22/NW	18/NNW	11/SSE	11/SSW	28/SSE	26	55/S
09/18	29/SSE	10/SE	11/SE	19/S	19/SW	20/SW	8/WSW	15/SW	14/NW	16/N	19/E	44/E	43/S	51/SSE	48/SSE	40/SE	25/ESE	13/SSE	14/NW	18/NE	22/N	11/NNE	30/E	38/ESE	24	51/SSE
09/19	41/SSE	26/SE	31/SE	29/SSE	13/SE	34/SSE	11/SW	20/NW	13/NNW	10/NNE	12/SSE	24/SE	44/SSE	29/SE	26/SE	21/ESE	19/E	11/NNE	24/SSE	9/WNW	22/WNW	8/NW	5/WSW	14/S	21	44/SSE
09/20	32/SSE	15/ESE	22/SE	14/SSE	13/SE	6/SSW	26/S	19/WSW	38/NW	26/NW	19/NW	3/S	33/SE	48/SE	18/SE	28/SE	23/E	17/ENE	15/SSE	10/W	7/WSW	36/WNW	20/WNW	22/WNW	21	48/SE
09/21	17/W	24/WSW	4/NW	8/SW	10/SW	24/SW	30/WSW	40/WNW	37/NW	33/NNW	33/NNE	12/N	30/ESE	40/SE	25/SSE	62/SE	28/SE	56/SE	33/SSE	27/S	22/SW	22/NNW	14/WSW	7/SE	27	62/SE
09/22	27/SSE	30/S	21/SSE	37/SE	25/SE	14/SSE	9/S	10/WSW	26/WNW	28/NW	14/NNW	22/NNW	*	30/E	43/SE	54/SE	51/ESE	48/ESE	34/ESE	11/ESE	10/WNW	24/NNW	11/N	4/NNW	25	54/SE
09/23	12/NW	15/N	8/N	1/WSW	10/E	14/WSW	11/WNW	18/WNW	16/NW	29/NNW	29/NNW	25/N	17/N	26/E	33/E	40/SE	56/SE	53/SE	43/SSE	35/SE	23/SE	4/NNE	8/SW	3/E	22	56/SE
09/24	4/S	10/SSE	19/S	15/ENE	25/S	13/SSE	9/W	15/WNW	21/NW	33/NNW	31/NNW	25/NNE	38/NNE	29/NE	36/ENE	36/E	42/ESE	53/SE	49/SE	37/SSE	16/SE	8/SW	23/WNW	18/NNW	25	53/SE
09/25	10/NNW	3/W	8/ENE	19/E	15/ESE	37/S	25/S	7/E	9/W	21/NW	30/NW	18/NNW	9/NW	32/NE	23/ENE	25/NE	33/E	39/ESE	39/SE	42/SE	30/SE	14/SE	11/NNW	14/NW	21	42/SE
09/26	25/NNE	11/NNE	27/NNE	25/NE	25/SE	29/SE	25/S	15/S	19/SW	8/WSW	14/W	26/NW	18/NNW	33/NW	28/NE	13/NE	21/ESE	46/SSE	48/SSE	43/SSE	47/SE	33/SSE	19/SSW	14/SW	26	48/SSE
09/27	16/NW	15/SW	25/W	27/W	14/WSW	33/WSW	42/SW	28/SSW	25/S	22/SW	19/W	24/NNW	20/N	14/N	26/NNW	25/ENE	26/ESE	23/ESE	24/E	40/SE	34/SSE	17/SE	14/E	16/ESE	24	42/SW
09/28	8/NE	16/NNW	20/WNW	21/WNW	21/NW	8/NNW	35/WSW	21/SW	30/SSW	14/SSW	3/E	8/E	15/NNW	21/NNW	16/NNW	16/NW	8/NW	10/WNW	8/ENE	9/SE	13/SSE	18/SSE	17/SSE	0/WSW	15	35/WSW
09/29	10/W	20/WNW	19/WNW	34/WNW	32/WNW	22/WNW	38/W	22/WSW	26/WSW	6/SW	4/SW	3/NW	5/N	11/NNE	18/NNE	18/N	20/NNW	24/NW	18/NW	8/NW	8/S	4/SW	10/SW	6/SSW	16	38/W
09/30	9/SSW	8/NW	18/NW	23/NW	31/NW	29/NW	22/WNW	10/W	8/SSW	12/SSE	14/ESE	12/SSE	5/ESE	3/S	6/ENE	10/NNE	24/NNW	32/NW	16/WNW	19/NW	12/WNW	18/WSW	8/SE	6/ESE	15	32/NW
平均值	18	18	20	20	20	20	21	20	21	19	20	22	23	26	27	29	27	27	26	25	21	20	18	17		
最大值	55/S	54/S	34/W	37/SE	38/W	37/S	42/SW	40/WNW	39/NW	46/NW	50/SE	46/SSE	49/SSE	52/SSE	48/SSE	62/SE	56/SE	56/SE	49/SSE	49/NW	47/SE	40/NW	50/S	49/S		

[註 1]: 月平均流速= **22cm/s**, 最大流速= **62m/s**, 其流向爲 **SE**(去向)。流速分佈: **<25cm/s: 64.4%,25~50cm/s: 33.7%,50~70cm/s: 1.9%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 13.8%,E~S: 35.5%,S~W: 17.9%,W~N: 32.8%**, 流向主軸: **SE- NW**(佔 **21.1%**), 主流向: **SE**(佔 **10.8%**)。每小時記錄一次, 本月計 **719**筆 **(100%)**, 資料檔名:**C099APX0.1HA**。

表3.4.11　2009 年 10 月 安平港測站 X 觀測逐時流速及流向月報表

2009年**10**月 **1**日 **0**時 **0**分 ~ **2009**年**10**月**21**日**14**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
10/01	5/SE	15/WSW	11/W	26/WNW	32/WNW	27/WNW	34/NW	33/WNW	19/W	13/SSW	16/SSE	19/SE	29/SE	18/SE	14/SE	4/SW	13/WNW	32/NW	40/NW	31/NW	27/W	5/SSW	17/SSW	28/SSW	21	40/NW
10/02	40/SSW	24/SSW	12/SSW	16/SW	21/W	18/SW	20/SW	25/SSW	24/SSW	31/S	33/SSW	35/S	34/SSE	39/SSE	35/S	30/S	23/S	8/WSW	24/WNW	18/SSW	21/SSW	22/S	38/SSW	3/S	25	40/SSW
10/03	15/ESE	13/ESE	17/SSE	15/SSW	14/SW	26/WSW	24/SW	15/WSW	16/WNW	16/SW	23/S	14/SE	46/S	32/SSE	33/SSE	28/SSE	14/SSE	9/SW	26/SSW	17/WSW	20/WSW	14/SW	29/S	9/S	20	46/S
10/04	22/S	15/SE	9/SSE	17/S	10/SW	15/WNW	14/WSW	17/WNW	21/WNW	13/W	22/SW	19/S	16/SE	20/ESE	23/SE	23/SE	13/E	7/NW	19/NNW	26/NW	33/WNW	21/WNW	6/SW	9/SSE	17	33/WNW
10/05	18/SSE	13/ESE	19/E	15/ENE	9/SE	5/NW	20/NW	36/NW	29/NW	17/NNW	10/NW	6/S	21/ESE	22/ESE	27/SE	17/E	7/E	3/SW	24/W	27/NW	16/NW	8/W	9/WSW	14/S	16	36/NW
10/06	23/SSE	24/SSE	30/SSE	30/S	21/S	14/SW	14/W	25/NW	16/NW	19/NNW	9/WNW	7/S	20/SE	24/SSE	21/SSE	22/SE	22/S	12/S	9/WSW	21/WNW	30/WNW	28/NW	16/W	17/SW	20	30/S
10/07	18/ESE	30/SSE	14/SE	19/SE	23/S	21/SSW	18/SW	16/WSW	32/NW	30/NNW	22/WNW	20/WSW	9/S	21/SSE	33/SSE	32/SSE	26/SSE	14/SSE	21/S	9/SSW	17/WNW	17/WNW	14/NW	10/SW	20	33/SSE
10/08	14/SE	31/SSE	34/SSE	38/SSE	20/S	15/SW	17/SW	14/W	34/WNW	41/NW	23/NW	9/WNW	19/SSE	38/SSE	39/SSE	45/SSE	34/ESE	27/ESE	27/SSE	25/S	16/WSW	20/WNW	16/W	17/SW	26	45/SSE
10/09	17/SW	17/SSE	32/S	27/SE	32/SSE	30/S	31/SSW	27/SW	24/W	28/WNW	25/WNW	12/NW	8/ESE	29/SSE	37/SSE	48/SSE	37/SSE	32/ESE	37/SSE	21/SSE	14/S	15/NW	14/WNW	16/W	25	48/SSE
10/10	15/SW	22/SSW	19/SSW	40/S	25/S	32/S	23/SSW	29/SSW	8/SSW	8/NW	21/WNW	18/WNW	8/WNW	6/NNE	27/SE	44/SE	42/SSE	30/S	29/S	17/SE	24/SSE	12/SE	5/S	5/WSW	21	44/SE
10/11	10/WSW	10/SW	6/ESE	16/SSE	25/SSE	24/S	15/S	22/SSW	11/SSW	11/SW	9/W	21/NW	19/WNW	17/W	15/NW	12/SW	17/S	19/S	25/SSW	31/SSE	26/SSW	9/S	28/SSE	22/SSE	17	31/SSE
10/12	16/SSE	15/SSW	20/SSW	9/S	22/S	13/SE	21/SSW	31/SSW	22/S	19/S	13/SE	16/SE	9/SSE	27/NW	19/NW	17/NNW	8/N	4/N	20/SSE	37/S	28/S	16/S	21/SSW	25/SSE	19	37/S
10/13	23/SSE	19/SE	11/S	10/SSE	17/S	19/SE	25/S	37/SSE	17/S	22/S	14/N	89/W	6/SW	12/WNW	15/W	25/WNW	16/NNW	11/NNW	*	*	*	*	*	*	22	89/W
10/14	*	*	*	*	*	*	*	7/S	20/S	37/SSE	43/SSE	23/SSE	15/SSE	41/SE	19/SSE	4/N	26/NNW	31/NNW	*	*	*	*	*	*	24	43/SSE
10/15	*	*	*	*	*	*	*	5/N	15/SSE	31/SSE	46/SSE	68/SE	33/SSE	17/SSE	33/SE	5/E	23/NNW	44/NNW	*	*	*	*	*	*	29	68/SE
10/16	*	*	*	*	*	*	*	22/NNW	6/NW	20/S	34/SSE	61/SE	76/SE	73/SE	53/SE	23/ESE	*	26/NNW	36/NW	32/NNW	12/NNW	12/SSE	31/S	47/S	35	76/SE
10/17	51/S	45/SW	53/WSW	16/SE	11/NNW	40/NNW	49/NW	41/NNW	31/NNW	2/WSW	24/SSE	48/SSE	69/SSE	73/SSE	53/SSE	31/SSE	7/SSW	17/NNW	*	*	*	*	*	*	37	73/SSE
10/18	*	*	*	*	*	*	*	57/NNW	48/NNW	33/NNW	10/NNE	25/SE	43/SE	52/SE	50/SE	24/SSE	7/E	18/NNW	*	*	*	*	*	*	33	57/NNW
10/19	*	*	*	*	*	*	*	47/N	50/NNW	48/NNW	*	4/ESE	34/ESE	58/SE	72/SE	62/SE	54/ESE	*	*	27/NNW	33/NNW	35/NNW	10/NNW	14/SSW	39	72/SE
10/20	35/S	46/S	34/SSE	24/SE	21/SE	3/NNE	22/WNW	27/NNW	40/NNW	53/NNW	30/N	13/NNW	26/ESE	45/ESE	62/SE	63/SE	57/SE	22/SE	2/S	11/NNW	25/NW	32/NW	32/NW	13/NW	31	63/SE
10/21	17/S	34/S	38/SSE	39/SSE	22/SSE	8/S	11/NNW	31/NNW	36/NNW	44/NNW	62/NNW	*	20/NNE	9/NE	33/ESE	*	*	*	*	*	*	*	*	*	29	62/NNW
平均值	21	24	22	22	20	19	22	27	25	26	24	26	27	32	34	28	23	19	24	23	23	18	19	17		
最大值	51/S	46/S	53/WSW	40/S	32/WNW	40/NNW	49/NW	57/NNW	50/NNW	53/NNW	62/NNW	89/W	76/SE	73/SE	72/SE	63/SE	57/SE	44/NNW	40/NW	37/S	33/WNW	35/NNW	38/SSW	47/S		

[註 1]: 月平均流速= **24cm/s**, 最大流速= **89m/s**, 其流向爲 **W** (去向)。流速分佈: **<25cm/s: 62.4%,25~50cm/s: 32.2%,50~70cm/s: 4.9%,75~100cm/s: .5%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 2.8%,E~S: 42.1%,S~W: 26.6%,W~N: 28.5%**, 流向主軸:**SSE-NNW**(佔 **27.1%**), 主流向:**SSE**(佔 **17.6%**)。每小時記錄一次, 本月計 **425**筆 (**57%**), 資料檔名:**C09AAPX0.1HA**。

表3.4.12　2009 年 11 月 安平港測站 X 觀測逐時流速及流向月報表

2009年11月18日16時 0分 ~ 2009年11月30日15時 0分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
11/18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	27/SSE	*	*	*	*	*	*	*	27	27/SSE
11/19	*	*	*	*	*	*	*	7/W	20/WSW	17/W	15/WSW	17/S	*	45/SSE	58/SSE	49/SSE	44/S	30/S	22/S	15/S	16/SSW	17/SSW	20/S	18/S	26	58/SSE
11/20	29/S	42/S	54/S	23/S	19/S	16/S	12/S	11/S	28/SW	24/SW	25/SW	15/SW	10/S	34/S	38/S	*	42/S	38/S	29/S	17/SSW	4/WSW	14/WSW	10/W	13/SSW	24	54/S
11/21	18/SSW	30/SSW	44/S	23/SSE	21/S	21/S	14/S	7/SW	5/WSW	*	7/NNW	16/WSW	*	10/S	34/S	42/S	42/S	39/S	34/S	24/S	15/S	9/SW	13/SSW	19/SSW	22	44/S
11/22	22/S	26/S	36/SSW	45/S	46/S	16/S	12/SSW	6/SSW	5/WSW	*	15/NW	17/NW	*	5/N	23/S	37/S	48/S	45/SSE	39/S	32/S	29/SSW	20/S	16/SSW	10/SSW	25	48/S
11/23	20/S	26/S	30/S	39/S	48/SSW	46/SSW	14/SSE	*	*	4/ESE	13/SSW	13/SSE	*	11/ENE	11/SE	27/SE	35/SE	*	*	*	*	*	*	*	24	48/SSW
11/24	*	*	*	*	*	*	*	12/SSE	10/S	2/E	1/S	14/SSW	*	10/NW	7/SSE	9/SE	22/SSE	31/SSE	32/S	35/S	32/S	29/S	20/SSE	12/SSW	17	35/S
11/25	15/SSW	18/SSW	21/S	22/SSE	26/SW	23/SSW	41/S	14/SSE	*	11/SSE	31/SSW	15/SSE	*	7/ENE	10/ENE	19/NNE	7/SE	20/SE	27/S	34/S	38/SSW	38/S	35/SSW	29/SSW	23	41/S
11/26	21/SSW	17/S	13/S	12/S	17/S	24/S	32/SSW	38/S	*	4/SE	31/SSE	27/SSE	*	20/NNE	18/NNE	27/N	9/NNE	4/ESE	23/SSE	25/S	37/S	38/S	41/SSW	37/S	23	41/SSW
11/27	31/SSW	19/SW	22/SSW	15/SW	17/S	21/S	27/S	33/SSW	37/SW	*	39/SSW	33/SSW	*	6/SSW	8/NW	11/NNW	5/NW	5/SW	12/S	25/S	38/S	45/S	45/S	36/S	24	45/S
11/28	29/SSW	24/SSW	16/SSW	16/WSW	16/WSW	10/W	16/SW	22/SSW	35/SSW	*	43/SSW	46/S	*	14/SSE	7/SE	3/N	13/NW	11/NW	9/WSW	*	*	*	*	*	19	46/S
11/29	*	*	*	*	*	*	*	10/SW	24/SSW	38/SSW	44/SSW	47/S	*	33/SSE	21/S	10/S	6/SSW	5/W	10/S	14/SSW	25/S	39/S	46/S	55/SSW	27	55/SSW
11/30	22/S	20/S	11/SSW	10/S	29/SSW	24/SSW	13/SW	13/NW	10/SW	10/SSW	*	41/S	*	34/SSE	25/SSE	4/SW	*	*	*	*	*	*	*	*	19	41/S
平均值	23	25	27	23	27	22	20	16	19	14	24	25	10	19	22	22	25	23	24	25	26	28	27	25		
最大值	31/SSW	42/S	54/S	45/S	48/SSW	46/SSW	41/S	38/S	37/SW	38/SSW	44/SSW	47/S	10/S	45/SSE	58/SSE	49/SSE	48/S	45/SSE	39/S	35/S	38/S	45/S	46/S	55/SSW		

[註 1]: 月平均流速= **23cm/s**, 最大流速= **58m/s**, 其流向爲 **SSE**(去向)。流速分佈: <**25cm/s: 60.8%**,**25**~**50cm/s: 37.9%**,**50**~**70cm/s: 1.3%**,**75**~**100cm/s: .0%**,>**100cm/s: .0%**。

[註 2]: 流向分佈: **N**~**E: 4.4%**,**E**~**S: 34.8%**,**S**~**W: 54.6%**,**W**~**N: 6.2%**, 流向主軸: **S - N** (佔 **41.0%**), 主流向: **S** (佔 **39.6%**)。每小時記錄一次, 本月計 **227**筆 (**32%**), 資料檔名:**C09BAPX0.1HA**。

3.5　2009年高雄港逐時流速及流向月報表

表3.5.1　2008 年 12 月 高雄港測站 X 觀測逐時流速及流向月報表

2008年**12**月 **1**日 **0**時 **0**分 ~ **2008**年**12**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
12/01	16/SW	26/SSW	39/S	47/S	48/S	48/SSW	50/S	42/S	39/SSW	*	*	*	*	50/SSE	53/SE	61/SSE	60/SSE	53/SSE	47/SSE	46/S	37/S	24/S	5/SSW	4/SW	40	61/SSE
12/02	5/SSE	16/S	22/SSE	30/S	34/S	14/SSW	36/SSW	48/SSW	38/SSW	32/SSW	19/S	23/SSE	26/ESE	35/ESE	45/ESE	40/ESE	52/SE	36/SSE	16/SE	13/SE	10/SE	12/ESE	13/ESE	16/SW	26	52/SE
12/03	21/WSW	25/WSW	32/WSW	34/SW	46/SW	46/SW	50/SW	51/SW	48/SW	36/SW	29/SSE	34/SSE	34/SE	39/SE	47/SSE	55/SE	56/SSE	52/SSE	51/SSE	48/S	43/SSE	33/SSE	30/SSW	21/SW	40	56/SSE
12/04	17/SW	17/SW	23/SW	31/SSW	40/SW	49/SSW	59/SSW	52/SW	42/SW	49/SSW	*	40/SSW	27/SSW	37/SE	36/SE	33/SSE	40/SSE	51/SSE	60/S	55/S	47/SSE	41/SSE	33/S	32/S	40	60/S
12/05	21/S	12/SW	12/S	13/SSW	16/SSW	33/S	34/S	41/S	55/S	51/S	49/SSE	46/SSE	43/SE	*	33/ESE	31/SE	31/SE	35/SSE	46/SSE	53/S	54/S	45/SSE	38/S	37/SSE	36	55/S
12/06	27/SSE	20/SSE	14/S	15/SSE	14/SE	25/S	30/S	40/S	37/S	40/SSE	37/S	33/SSE	24/SE	30/SSE	19/S	18/SSE	23/SSE	36/S	37/S	40/S	31/SSW	41/S	42/S	37/S	30	42/S
12/07	31/SSW	28/S	19/S	25/S	20/S	29/S	32/S	36/SSW	32/SSW	35/SSE	38/SSE	36/SE	30/SE	23/SE	19/ESE	15/ESE	12/SSE	17/SSE	33/SSE	29/S	16/SSE	30/SSW	44/S	39/SSW	28	44/S
12/08	37/SSW	37/SSW	27/SSW	27/SSW	33/SW	29/SW	37/SSW	47/SSW	40/S	*	*	60/S	51/SSE	41/SE	41/SSE	34/SSE	21/SSE	17/S	27/S	32/S	48/S	55/S	55/S	60/S	39	60/S
12/09	49/SSE	53/S	39/S	35/S	26/S	32/S	34/SSE	35/SSE	48/S	45/S	42/SSE	55/SE	52/SE	47/SE	35/SE	34/SSE	17/SE	10/SSE	16/SSE	20/S	25/SSE	31/SSE	33/SSE	28/SSE	35	55/SE
12/10	37/SSW	39/SW	44/SW	39/SW	35/SW	31/WSW	37/SW	33/WSW	34/SSW	34/SSW	24/SSE	36/SE	52/SE	47/SE	42/SSE	31/SE	25/SE	13/SSE	6/ENE	10/ESE	16/SSE	29/SSE	41/SSE	51/SSE	33	52/SE
12/11	51/S	56/S	66/S	62/S	45/SSE	39/S	33/SSE	31/SE	40/SSE	40/SSE	24/SE	14/ESE	24/ESE	37/SE	28/SE	25/SE	22/SE	21/SE	15/SE	5/ESE	5/N	13/SSE	21/SE	21/S	31	66/S
12/12	28/SSW	45/SSW	46/SSW	35/SSW	45/SW	38/SSW	35/S	44/S	32/SSW	31/SSW	8/SE	7/ESE	5/SSE	21/NE	14/NE	22/ESE	29/ESE	30/SE	23/SE	17/ESE	11/ENE	17/NE	11/WSW	20/SW	26	46/SSW
12/13	35/SW	52/WSW	54/WSW	56/SW	51/SW	50/SW	22/WSW	38/SW	41/SSW	36/S	35/SSE	45/SSE	46/SE	56/SE	50/SSE	32/SSE	45/SSE	37/SSE	28/S	21/S	14/S	5/NNW	2/SSW	6/SSW	36	56/SW
12/14	13/SSE	25/S	33/S	50/S	48/S	47/SSE	32/S	29/S	36/S	33/S	41/S	44/SSE	56/SSE	58/SSE	5/NW	27/ENE	35/ESE	40/SSE	30/S	25/S	17/SSW	13/WNW	24/NNW	19/NW	33	58/SSE
12/15	11/WNW	15/S	30/SSW	41/S	40/SSW	37/S	40/S	34/S	34/S	30/S	39/SSE	37/S	46/SSE	52/SSE	59/SSE	64/SSE	51/SSE	47/SSE	44/SSE	35/S	22/S	11/W	22/NW	17/NW	36	64/SSE
12/16	16/W	17/SSW	29/SSW	34/SSW	25/S	29/S	36/S	36/SSW	35/SSW	33/SW	24/S	30/SSE	39/SE	46/SE	51/SSE	59/SSE	57/SSE	52/SSE	49/SSE	44/SSE	41/S	34/S	31/S	16/SW	36	59/SSE
12/17	4/SSW	21/SSW	35/SSW	40/SSW	45/SW	48/SSW	47/SSW	60/SSW	58/S	49/S	49/S	34/SSE	55/SSE	59/SSE	57/SSE	46/SE	59/SE	56/SE	59/SSE	48/SSE	46/SSE	39/S	31/S	29/SSW	45	60/SSW
12/18	27/SW	28/SW	38/SW	36/SSW	40/S	42/SSW	40/SW	51/SSW	27/S	35/SW	12/SSE	29/SE	11/ESE	33/ESE	38/ESE	40/ESE	38/ESE	26/ESE	21/SE	8/ESE	17/ESE	12/ESE	22/S	30/S	29	51/SSW
12/19	30/SSW	27/SW	32/SW	33/SW	41/SW	43/SW	47/SW	49/SW	46/SW	43/SW	30/S	37/SE	45/SSE	46/SSE	45/SSE	46/SSE	49/SSE	54/SSE	57/SSE	52/S	50/S	43/SSW	37/SSW	29/S	42	57/SSE
12/20	21/SSW	29/SW	31/SW	32/SW	36/SW	37/SSW	35/SSW	47/SW	51/SSW	59/S	51/S	49/S	36/SE	42/SSE	34/SSE	32/SSE	32/SSE	30/SSE	31/SSE	34/SSE	31/S	30/S	4/SSW	35/SW	35	59/S
12/21	35/SW	31/WSW	40/WSW	37/SW	38/SW	39/WSW	41/SW	42/SW	47/SSW	51/SSW	42/SSW	47/SE	46/SE	53/SE	45/SSE	41/SSE	34/SSE	31/SSE	30/SSE	31/SSE	33/S	18/SE	44/SSE	20/S	38	53/SE
12/22	40/SSE	35/SSE	39/S	40/S	32/SSE	37/S	37/SSE	40/SSE	37/SSE	43/SSE	45/SSE	49/SSE	41/SSE	46/SSE	46/SSE	45/SSE	33/S	26/S	3/W	11/WNW	9/WNW	9/WSW	25/SSW	30/SSW	33	49/SSE
12/23	26/SSW	30/S	31/S	35/S	35/S	35/S	36/SSW	36/S	39/S	27/S	18/SE	26/SE	22/ESE	31/SSE	32/SSE	19/SE	11/ESE	7/ESE	10/E	6/E	13/S	23/S	33/S	38/S	26	39/S
12/24	46/S	45/S	40/S	43/S	37/SSW	34/S	29/S	38/SSW	20/S	21/S	25/SSE	31/SSE	39/SE	35/SE	32/SE	30/SE	33/SSE	27/SSE	20/S	14/SSE	20/S	25/S	28/SSE	44/S	32	46/S
12/25	51/S	50/SSE	42/S	39/S	40/S	34/S	48/S	40/S	48/S	44/S	47/S	51/SE	57/SSE	45/SSE	48/SSE	40/SSE	40/SSE	37/SSE	33/SSE	30/SSE	20/SSE	15/SSE	28/S	33/SSE	40	57/SSE
12/26	41/SSE	42/SSE	42/SSE	47/SSE	41/SSE	48/SSE	41/SSE	47/S	42/SSE	42/SSE	38/SSE	43/SE	36/SE	47/SE	47/SSE	39/SE	32/SE	28/SE	15/SE	13/E	15/E	10/SE	16/S	25/SSE	35	48/SSE
12/27	36/S	28/SSW	24/SSE	21/S	41/SSW	45/S	33/S	26/SSW	34/SW	27/SW	4/SSE	20/E	31/ESE	46/SE	50/SE	46/SE	37/SE	38/SSE	29/S	26/SSE	21/SSE	19/SSW	22/SSW	14/SW	30	50/SE
12/28	5/S	16/SSW	36/SSW	33/SSW	42/SSW	38/SSW	16/S	31/SSW	31/SSW	28/SSW	22/SSW	20/ENE	30/ENE	39/E	41/SE	48/SSE	47/SSE	43/SSE	37/SSE	30/SSE	24/SSE	17/SSE	14/SE	15/SSE	29	48/SSE
12/29	21/SSE	26/SSE	20/S	3/SSW	11/NNE	14/ENE	37/SSW	29/SSW	34/SSW	30/S	21/SSE	38/SSE	39/SSE	27/S	13/SE	55/SSE	50/SSE	45/SSE	38/SSE	35/S	34/SSE	32/S	22/SSE	20/SSE	29	55/SSE
12/30	19/SSE	25/SSE	21/SSE	35/SSE	45/S	48/S	45/S	47/S	39/S	25/S	39/S	33/SSE	37/SSE	38/SE	51/SSE	57/SSE	52/SSE	50/SSE	41/S	38/S	35/SSE	27/S	25/S	29/S	38	57/SSE
12/31	22/S	11/S	11/SSW	22/SSW	12/SSW	21/SSW	33/S	36/SSE	36/S	31/S	26/S	33/S	36/SSE	42/S	43/SSE	54/S	55/S	48/SSE	47/S	42/S	30/S	30/S	19/SSW	15/SSW	31	55/S
平均值	27	30	33	35	36	37	37	40	39	37	31	36	37	42	39	39	38	35	32	29	27	25	26	27		
最大值	51/S	56/S	66/S	62/S	51/SW	50/SW	59/SSW	60/SSW	58/S	59/S	51/S	60/S	57/SSE	59/SSE	59/SSE	64/SSE	61/SSE	56/SE	60/S	55/S	54/S	55/S	55/S	60/S		

[註 1]: 月平均流速= **34cm/s**, 最大流速= **66m/s**, 其流向爲 **S** (去向)。流速分佈: **<25cm/s: 24.5%,25~50cm/s: 64.9%,50~70cm/s: 10.6%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 1.5%,E~S: 60.7%,S~W: 36.1%,W~N: 1.6%**, 流向主軸:**SSE-NNW**(佔 **28.9%**), 主流向:**SSE**(佔 **28.7%**)。每小時記錄一次, 本月計 **736**筆 (**99%**), 資料檔名:**C08CKHX0.1HA**。

港灣技術研究中心

表3.5.2　2009 年 01 月 高雄港測站 X 觀測逐時流速及流向月報表

2009年 **1**月 **1**日 **0**時 **0**分 ～ **2009**年 **1**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
01/01	5/SSW	17/S	18/S	26/S	26/S	32/S	40/S	34/S	34/SSW	26/S	17/SE	22/SE	26/SE	35/SE	38/SE	37/SE	39/SE	46/SSE	49/S	40/S	38/S	32/S	26/S	12/SSW	30	49/S
01/02	17/S	19/S	29/S	31/S	35/SSW	40/SSW	37/SSW	32/SW	34/SSW	23/S	24/S	23/SE	23/SE	35/SE	43/SE	47/SSE	53/SE	59/SSE	58/SSE	55/SSE	42/SSE	40/SSE	31/S	29/S	36	59/SSE
01/03	19/S	22/SSW	31/SW	31/SSW	23/S	33/S	43/SSW	44/S	43/SSW	38/SSW	28/S	25/ESE	29/ESE	34/E	41/ESE	41/SE	47/SE	49/SSE	26/SE	9/ESE	30/S	39/S	35/S	33/S	33	49/SSE
01/04	29/SSW	22/SSW	27/S	38/SSW	36/SSW	35/SSE	31/S	47/SSW	39/S	32/S	41/SSW	34/S	38/S	33/SSE	40/SSE	40/SSE	50/S	47/S	45/SSE	56/SSE	50/S	32/S	13/SSW	7/SSE	36	56/SSE
01/05	28/SSW	27/S	40/S	46/S	47/S	46/S	51/S	55/S	52/S	*	53/SSE	44/SSE	42/SE	42/SE	39/SE	32/SE	28/SE	27/ESE	35/ESE	26/ESE	26/E	8/SE	5/ESE	27/SSW	36	55/S
01/06	32/S	21/SSE	25/S	33/S	40/SSE	46/S	44/S	45/SSW	42/SSW	37/S	29/SE	35/SE	37/SE	35/SE	28/SSE	28/SSE	21/SE	19/SE	24/SSE	29/SSE	34/SSE	37/SSE	40/SSE	42/S	34	46/S
01/07	41/S	39/S	40/S	35/SSE	39/S	41/S	47/S	41/SSE	46/SSE	52/SSE	49/SSE	48/SSE	38/SSE	45/SSE	36/SSE	30/SSE	18/SSE	7/S	2/NW	8/SSW	11/SSW	15/S	17/S	30/SSW	32	52/SSE
01/08	31/S	35/S	43/S	32/SSE	32/S	43/S	41/S	43/S	47/S	50/S	51/S	52/S	49/S	39/SSE	36/SSE	29/SSE	23/S	11/SW	14/NW	9/WNW	8/W	10/WSW	12/WSW	19/SSW	32	52/S
01/09	29/S	32/S	36/SSE	37/SSE	39/S	37/S	40/S	30/S	31/S	40/S	44/S	53/S	50/S	*	37/SSE	27/S	17/S	13/SSW	16/WNW	14/NW	13/WNW	13/WNW	14/W	15/SW	29	53/S
01/10	31/S	34/S	32/S	51/S	46/S	52/SSW	46/S	40/S	41/S	44/S	48/S	53/S	55/S	51/SSE	33/SSE	25/SSE	21/SSE	8/SSW	10/N	17/NW	17/NW	9/WNW	15/SSW	25/SSW	34	55/S
01/11	37/S	38/SSW	46/SSW	50/SSW	50/SW	39/SSW	44/SW	38/SW	37/SW	30/SSW	41/S	*	48/SSE	47/SSE	45/SSE	41/SE	37/SSE	30/SSE	26/SSE	21/S	24/SW	7/WSW	14/W	23/SW	35	50/SSW
01/12	33/SSW	38/SSW	49/SW	55/SW	49/SW	45/SW	38/SSW	31/SW	28/SW	30/SW	33/S	46/SSE	53/SSE	54/SSE	58/SSE	54/SSE	49/SSE	45/S	41/S	36/S	23/S	20/SSW	15/SW	13/S	39	58/SSE
01/13	19/SSE	31/S	37/S	39/S	65/S	57/S	51/S	34/S	24/SSE	30/SSE	32/S	41/S	39/S	51/SSE	59/SSE	60/SSE	53/SSE	49/S	39/S	38/S	29/S	28/S	8/SSW	11/SSW	39	65/S
01/14	23/S	30/S	33/S	46/S	43/SSW	39/S	34/S	33/S	29/SSW	21/SSW	8/SE	28/ESE	30/SE	44/SE	50/SE	55/SE	52/SSE	39/SE	30/SE	41/S	38/SSE	29/SSE	30/S	26/S	35	55/SE
01/15	23/SSE	28/SSE	37/S	47/S	52/S	47/SSW	49/S	47/SSW	34/SSW	24/SSW	24/SSE	27/SSE	29/SE	34/SE	42/SE	55/SE	51/SE	61/SE	54/SSE	45/SSE	39/SSE	36/S	29/S	27/S	39	61/SE
01/16	21/S	27/SE	33/SSE	43/S	48/S	59/S	55/S	42/SSW	31/SW	22/SSW	40/SSE	36/SSE	34/SSE	37/SSE	*	*	*	*	*	*	*	*	*	*	38	59/S
01/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01/18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01/20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	36/ESE	34/SSE	17/WSW	30/WNW	41/NW	32/NNW	27/NW	21/WNW	21/NW	12/NW	27	41/NW
01/21	7/SSE	6/W	11/WNW	14/NW	10/NNW	7/N	5/NE	9/SE	23/SSE	23/SSE	21/SE	34/SSE	42/SSE	29/SSE	32/SSE	26/SSE	16/S	11/W	22/NW	*	*	28/NW	18/NW	12/WNW	18	42/SSE
01/22	9/W	15/WNW	*	*	*	*	*	*	*	16/SSE	26/SSE	33/SSE	48/SSE	47/SSE	51/SSE	43/SSE	40/SSE	30/SSE	26/SSE	15/SSW	22/W	34/NW	38/NW	24/NW	30	51/SSE
01/23	12/NW	9/WSW	8/SW	8/S	5/S	3/S	9/SE	15/SE	28/SSE	30/SSE	35/SSE	*	43/SSE	40/SSE	37/SSE	35/SSE	29/SSE	24/SSE	14/SSW	18/WNW	31/WNW	43/NW	52/NW	48/NW	25	52/NW
01/24	40/NW	33/WNW	16/NW	16/WNW	12/W	9/W	8/WNW	11/WNW	6/WNW	6/SSW	11/SSW	27/S	26/SSE	25/SSE	28/SSE	22/SSE	14/SSW	10/WNW	36/NW	50/NW	58/NW	56/NW	47/NW	37/NW	25	58/NW
01/25	26/NW	15/NW	10/WNW	6/WSW	8/WNW	1/ENE	6/SE	6/SE	9/SSE	22/SE	25/SE	32/SSE	38/SE	50/SSE	57/SSE	53/SSE	41/SSE	21/S	5/SW	44/WNW	68/NW	56/NW	50/NW	41/NW	29	68/NW
01/26	35/NNW	29/NW	25/WNW	20/WNW	8/WNW	7/NW	5/ENE	12/E	25/ESE	14/SSE	31/SE	22/ESE	54/SE	55/SE	63/SE	71/SSE	67/SSE	57/SSE	52/SSE	38/SSE	29/SSE	16/SSE	5/S	21/WNW	32	71/SSE
01/27	22/W	14/WNW	14/WSW	12/S	13/SSW	17/SSW	10/SSW	9/S	15/SE	27/SE	34/SE	44/SSE	61/SSE	60/SSE	54/SSE	51/SSE	45/SSE	49/SSE	40/SE	28/SSE	27/S	22/S	13/SSW	18/WNW	29	61/SSE
01/28	34/NW	45/NW	31/NW	24/WNW	10/WNW	10/WSW	10/WSW	9/W	7/WNW	10/NNW	12/ENE	13/ESE	13/ESE	18/E	20/ESE	25/SE	34/SSE	45/SSE	42/SSE	29/S	19/S	14/SW	29/WNW	37/NNW	22	45/NW
01/29	42/NW	28/NW	21/NW	15/NW	7/S	23/SSE	24/SSW	10/SSE	5/E	7/SE	7/ESE	7/SE	7/SE	12/SE	18/SE	26/SE	35/SSE	41/SSE	42/SSE	25/SSE	12/S	8/SSW	11/WNW	17/WNW	19	42/SSE
01/30	23/NNW	24/NW	20/NW	14/NW	2/N	8/SSW	13/S	16/SSE	19/SSE	9/SSE	7/SSE	10/SE	16/SE	18/SSE	30/SSE	38/SSE	50/SSE	56/SSE	49/SSE	40/SSE	29/SSE	18/SSE	14/SSE	9/S	22	56/SSE
01/31	15/WNW	36/WNW	43/NW	34/NW	17/NW	14/NW	14/NNW	7/NNW	7/WNW	6/N	6/NNE	11/ENE	11/E	12/E	16/ESE	13/ESE	17/SE	20/SE	20/SSE	16/SSE	6/SSE	4/SSW	7/W	11/WNW	15	43/NW
平均值	25	26	29	31	29	30	31	28	28	26	29	32	36	38	40	38	36	33	32	30	29	25	23	23		
最大值	42/NW	45/NW	49/SW	55/SW	65/S	59/S	55/S	55/S	52/S	52/SSE	53/SSE	53/S	61/SSE	60/SSE	63/SE	71/SSE	67/SSE	61/SE	58/SSE	56/SSE	68/NW	56/NW	52/NW	48/NW		

[註 **1**]: 月平均流速= **30cm/s**, 最大流速= **71m/s**, 其流向爲 **SSE**(去向)。流速分佈: **<25cm/s: 36.7%,25~50cm/s: 53.5%,50~70cm/s: 9.8%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 1.3%,E~S: 55.7%,S~W: 26.1%,W~N: 16.9%**, 流向主軸: **S - N** (佔 **26.8%**), 主流向: **S** (佔 **26.0%**)。每小時記錄一次, 本月計 **635**筆 (**85%**), 資料檔名:**C091KHX0.1HA**。

港灣技術研究中心

表3.5.3　2009 年 02 月 高雄港測站 X 觀測逐時流速及流向月報表

2009年 **2**月 **1**日 **0**時 **0**分 ～ **2009**年 **2**月**28**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
02/01	13/WNW	15/NW	17/NW	23/NW	19/WNW	13/W	6/W	7/S	9/SSE	1/S	7/ENE	11/ESE	10/ESE	8/ESE	3/ESE	4/SSE	9/S	12/SSE	17/SSE	16/SSE	15/S	10/SSW	6/SW	5/NNW	11	23/NW
02/02	10/NNW	14/NNW	22/NW	18/NW	11/WNW	11/W	12/W	7/WSW	*	*	11/S	13/ESE	12/SE	10/ESE	8/S	7/W	20/NNW	24/NNW	23/NW	23/NNW	9/N	11/NNE	8/NNE	12/ENE	13	24/NNW
02/03	7/NE	11/N	8/N	8/N	7/NNW	13/NNW	2/NNE	7/ENE	9/ESE	17/SE	19/SSE	26/SE	17/SSE	31/ESE	29/SE	20/ESE	13/SE	4/SE	9/ENE	4/ENE	1/N	7/NW	13/NW	11/NNW	12	31/ESE
02/04	8/NW	7/N	9/NNW	6/N	11/WNW	11/NW	13/NW	4/SW	3/SE	6/E	21/SE	20/SSE	32/SSE	24/S	27/SSE	30/SE	21/SSE	31/W	22/N	17/NNW	19/NW	8/WNW	5/W	7/SSW	15	32/SSE
02/05	6/SSW	1/W	5/NNW	10/NNW	11/NNW	17/NNW	9/NNW	7/NNW	*	9/S	8/SE	14/SE	23/SSE	21/SSE	13/SE	8/SSE	8/WSW	24/NW	34/NW	41/NW	51/NW	33/NW	27/NW	16/WNW	17	51/NW
02/06	7/W	13/W	7/NW	10/NNW	15/NNW	15/NNW	14/NW	10/NW	10/NW	3/NNW	10/SSE	16/SSE	20/SSE	23/SSE	25/SSE	19/S	13/S	5/SSW	15/NW	34/NW	42/NW	46/NW	27/NW	13/NW	17	46/NW
02/07	12/SW	20/SSW	24/S	17/S	17/S	4/SSW	2/E	1/W	7/ENE	7/E	13/ESE	12/SSE	26/SE	37/SE	45/SE	46/SE	35/SE	30/SSE	15/SSE	11/W	27/NW	35/NW	26/NW	28/WNW	21	46/SE
02/08	15/W	14/SSW	29/S	32/S	27/S	19/SSE	14/S	8/S	8/SE	11/SSE	15/SE	28/SE	48/SE	52/SSE	56/SSE	55/SSE	44/SSE	37/SSE	31/SSE	22/SSE	6/SSW	7/WNW	24/NW	22/NW	26	56/SSE
02/09	10/WNW	11/SSW	16/S	32/S	31/SSE	24/SSE	17/SSE	7/S	3/NNW	4/N	11/E	10/ESE	24/SE	26/SSE	38/SE	36/SE	39/SE	39/SSE	34/SE	28/SSE	23/SE	13/SE	6/SE	6/NNW	20	39/SE
02/10	12/N	13/NNW	6/ENE	24/SSE	35/S	30/S	35/SSE	23/SSE	19/SSE	*	*	*	21/ESE	*	*	*	*	26/SSE	*	*	17/SSE	11/SE	8/SW	14/W	19	35/S
02/11	21/WNW	23/NW	26/W	19/WSW	24/SW	24/SSW	20/SSW	16/SSW	12/S	5/SW	3/W	5/NNW	9/E	17/E	22/ESE	35/SE	37/SE	46/SSE	37/SSE	31/SE	23/SE	27/SE	21/SSE	10/S	21	46/SSE
02/12	13/W	18/NW	20/WNW	16/WNW	18/WSW	19/SW	14/SSW	10/S	8/S	4/S	6/WNW	10/NW	20/NW	27/NNW	24/N	6/NW	5/SE	3/NNW	2/S	4/N	6/ENE	8/NNE	10/NNW	23/NW	12	27/NNW
02/13	37/NW	41/NW	43/NW	31/NW	21/NW	7/WNW	20/SSW	14/S	12/S	19/SSE	12/S	2/SSE	3/NNE	12/NNW	15/NNE	17/NE	8/ESE	14/SE	21/SE	34/SSE	32/SSE	34/S	24/SSE	*	21	43/NW
02/14	16/SW	16/WSW	14/W	16/W	13/WNW	7/W	7/SSE	13/ESE	25/SE	36/SE	32/SE	26/SE	33/SSE	33/SE	24/SSE	13/S	12/S	5/S	15/SE	23/SE	27/SSE	24/S	35/SSE	18/SSE	20	36/SE
02/15	20/S	13/S	11/S	23/SSE	17/SSE	19/SSE	10/S	4/SW	6/SW	32/S	33/SSE	18/SSE	20/SSE	27/SSE	23/SSE	35/SSE	32/SSE	7/WSW	6/W	9/WNW	3/S	12/SSE	23/SSE	19/SSE	18	35/SSE
02/16	13/SSE	12/SSE	12/SSE	8/S	2/S	6/SW	9/S	14/SSE	18/SSE	*	23/SE	34/SE	31/SSE	*	*	22/SSW	20/W	33/NW	30/WNW	23/WNW	11/NW	7/NNW	6/S	7/S	16	34/SE
02/17	3/W	9/WNW	12/NW	5/WNW	6/W	8/SSW	8/SSW	13/SSE	18/SSE	13/SSE	23/SE	21/SE	29/SE	27/SE	16/SSE	13/SSW	*	24/NW	27/NW	21/NW	23/NW	13/NW	17/NW	9/NW	16	29/SE
02/18	9/NW	5/W	8/SW	6/W	4/WNW	3/WSW	12/S	9/SE	17/SSE	27/SSE	23/SSE	19/SSE	18/SSE	14/SE	3/S	5/NNE	14/NNW	14/NW	6/N	8/NNE	6/NNW	3/WSW	2/WSW	16/SSE	10	27/SSE
02/19	13/SSE	15/SSE	7/SSE	10/S	8/SSE	12/SSE	10/SE	13/SSE	17/SSE	22/SSE	18/SSE	12/SE	13/ESE	15/SE	28/SE	16/SSE	2/SSW	19/NW	25/NW	28/NW	31/NW	32/NW	36/NW	39/NW	18	39/NW
02/20	40/NW	30/NW	30/WNW	17/WNW	6/WNW	3/SW	16/SE	33/SSE	32/S	36/SSE	46/SSE	48/SSE	39/SE	50/SSE	51/SSE	44/SSE	43/SSE	33/SSE	28/SSE	24/SSE	17/SSE	12/S	8/SSE	2/NNW	29	51/SSE
02/21	12/SSE	20/SE	26/SE	25/ESE	21/ESE	20/ESE	27/SE	24/SE	9/SE	6/NE	9/NNE	21/E	22/E	28/ESE	28/SE	29/SE	24/ESE	18/ESE	14/ESE	12/SE	12/SE	10/SE	12/SE	13/SSE	18	29/SE
02/22	15/SSE	11/SSE	12/S	21/SW	16/SSW	10/W	11/WSW	12/SSW	13/WSW	10/S	9/S	10/SE	6/SSE	14/E	12/ENE	10/E	5/NNE	2/NE	5/E	5/NNE	14/NW	27/WNW	32/WNW	44/NW	14	44/NW
02/23	48/WNW	45/NW	45/NW	30/WNW	12/WNW	10/WNW	20/W	21/W	2/WSW	*	15/E	25/E	17/ENE	18/ENE	17/E	22/E	17/ESE	14/SE	22/SSE	18/SSE	13/SE	12/SSE	12/SSW	8/NNW	20	48/WNW
02/24	23/NW	17/WNW	22/WNW	12/WNW	8/NW	3/WSW	18/WSW	17/SW	7/SSW	2/SSW	3/S	8/NW	3/NNW	7/E	18/NE	10/E	13/E	11/ESE	4/ESE	1/SSE	3/WSW	18/SSW	10/W	27/NW	11	27/NW
02/25	39/NNW	47/NW	52/NW	42/WNW	36/NW	28/NW	21/WNW	13/NW	16/NW	12/NW	20/NNW	27/NNW	29/NNW	34/NNW	29/N	20/N	*	11/NW	5/N	11/N	7/NW	7/ESE	9/SSE	11/S	23	52/NW
02/26	7/SE	13/ESE	8/S	21/S	20/SSE	32/S	26/SSE	21/SSE	8/SSE	20/SE	26/SE	27/SSE	26/SSE	36/SSE	33/SSE	39/SSE	39/SSE	40/SSE	33/SE	26/SSE	30/SE	25/SE	20/SE	20/SE	25	40/SSE
02/27	10/SSE	17/SSE	19/SSE	30/SSE	17/SSE	25/SE	24/SSE	24/SSE	20/SSE	18/SSE	20/SE	18/SE	14/SE	16/SSE	25/SE	26/SE	31/SE	28/SSE	25/SE	25/SE	21/SE	22/SE	17/SE	16/ESE	21	32/SE
02/28	14/SE	17/SSE	23/SE	26/SSE	21/S	20/SSE	5/SE	27/SE	25/SE	24/SE	22/SE	20/SE	21/SE	29/SE	38/SE	40/SE	41/SE	41/SE	41/SSE	33/SSE	26/SE	24/SSE	21/SE	18/SE	26	41/SE
平均值	16	18	19	19	16	15	14	14	13	14	17	19	21	24	25	23	22	21	20	20	18	18	17	16		
最大值	48/WNW	47/NW	52/NW	42/WNW	36/NW	32/S	35/SSE	33/SSE	32/S	36/SE	46/SSE	48/SSE	48/SE	52/SSE	56/SSE	55/SSE	44/SSE	46/SSE	41/SSE	42/NW	51/NW	46/NW	36/NW	44/NW		

[註 **1**]: 月平均流速= **18cm/s**, 最大流速= **56m/s**, 其流向爲 **SSE**(去向)。流速分佈: <**25cm/s: 75.5%**,**25**~**50cm/s: 23.6%**,**50**~**70cm/s: .9%**,**75**~**100cm/s: .0%**,>**100cm/s: .0%**。

[註 **2**]: 流向分佈: **N**~**E: 6.6%**,**E**~**S: 50.5%**,**S**~**W: 14.9%**,**W**~**N: 28.0%**, 流向主軸:**SSE-NNW**(佔 **29.4%**), 主流向:**SSE**(佔 **22.7%**)。每小時記錄一次, 本月計 **653**筆 (**97%**), 資料檔名:**C092KHX0.1HA**。

表3.5.4　2009 年 03 月 高雄港測站 X 觀測逐時流速及流向月報表

2009年 **3**月 **1**日 **0**時 **0**分 ～ **2009**年 **3**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
03/01	16/SE	17/SSE	25/SSE	34/SSE	34/SSE	38/SSE	36/SSE	31/SSE	28/SSE	26/SSE	26/SE	23/SE	27/ESE	23/SE	34/SE	19/SSE	28/SSE	37/SSE	31/SSE	39/SSE	35/SSE	26/SSE	21/SE	18/SSE	28	39/SSE
03/02	21/SSE	23/SE	20/SSE	23/SSE	7/SE	25/SE	20/SE	10/SE	27/ESE	27/SE	24/SE	23/SE	9/ESE	14/ESE	18/SE	25/SE	27/SE	22/S	34/SSE	33/SSE	38/SSE	32/SSE	31/SSE	27/S	23	38/SSE
03/03	24/S	22/SW	18/S	30/S	35/SSE	32/S	36/SSE	29/S	17/SSE	11/SE	9/SE	19/SE	26/SE	24/SE	14/S	14/ESE	20/SE	25/SE	31/SE	32/SSE	39/SSE	32/SSE	35/SSE	32/SE	25	39/SSE
03/04	28/SSE	25/S	27/SSW	17/S	18/S	4/W	21/SE	33/SSE	11/S	5/ESE	18/E	21/E	20/ESE	*	18/ESE	11/ESE	18/E	24/SE	23/SSE	26/SSE	34/SSE	36/S	33/S	31/S	22	36/S
03/05	33/SSE	32/SSE	22/S	21/S	30/SW	27/SSW	15/SSE	4/SSE	4/SE	7/NW	15/NNW	12/N	14/NNE	9/N	12/N	17/NNW	17/NNW	22/NNW	12/NW	5/SE	19/SE	24/SSE	14/SSE	19/SSW	17	33/SSE
03/06	39/S	26/S	37/SSE	37/S	30/SSE	34/SSE	36/SSE	44/SSE	15/SSW	29/SE	37/SSE	37/SE	40/SSE	32/SSE	24/SE	27/SSE	20/SSE	17/S	18/SSW	15/S	10/SW	19/SW	19/W	27/WSW	28	44/SSE
03/07	44/NW	24/SW	33/SSE	36/SE	42/SE	40/SSE	41/S	40/SSE	41/SSE	41/S	33/SSE	35/SW	31/S	11/SE	8/SSW	20/ESE	18/SSE	24/SSE	19/S	14/S	15/SSW	24/SSW	16/SSW	21/SSW	28	44/NW
03/08	28/SSW	32/SSE	36/SSE	35/SSE	32/SSE	28/S	27/SSW	24/SSE	12/SSW	25/SE	36/SE	44/SSE	44/SE	39/SE	33/SSE	34/SSE	27/SSE	20/SSE	20/SSE	16/S	16/SSE	18/SSE	24/SSE	24/SE	28	44/SE
03/09	24/SSE	30/SSE	29/SE	36/SSE	14/SSW	25/SSE	30/SSE	30/SSE	31/SSE	34/SSE	39/SSE	41/SSE	47/SSE	48/SSE	47/SSE	39/SSE	41/SSE	29/SSE	28/SSE	23/SSE	28/SSE	26/SSE	25/S	27/SSE	32	48/SSE
03/10	29/SE	34/SE	33/SE	11/SE	3/SW	3/ESE	7/ESE	5/E	15/E	20/ESE	26/ESE	30/ESE	38/SE	45/SE	40/SE	38/SE	33/SE	25/SSE	23/SSE	17/SE	20/SSE	17/SSE	13/SSW	9/SSE	22	45/SE
03/11	6/SW	19/SSW	27/SW	32/SW	28/SSW	16/SSW	12/SSW	13/SE	10/SSE	17/SE	22/ESE	27/ESE	40/SE	17/E	27/ESE	24/ESE	24/E	23/ESE	20/SE	11/ESE	7/ENE	10/NW	18/NNW	22/NW	20	40/SE
03/12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03/13	23/NW	21/NW	20/WNW	10/NW	13/W	17/WSW	10/SW	4/WSW	5/W	11/NW	16/NW	14/WNW	24/NW	27/NW	41/NNW	36/NNW	24/NW	8/WSW	4/W	8/ENE	9/NE	9/NW	16/NW	26/NW	17	41/NNW
03/14	37/NW	24/NW	11/WNW	15/SW	34/S	37/SSE	27/SSE	23/SSE	24/SSE	16/S	10/S	6/NNW	23/NW	21/NW	18/WNW	10/NW	8/N	8/WSW	5/WSW	9/E	7/NE	9/NNW	13/N	18/NNW	17	37/SSE
03/15	15/NW	15/NNW	11/NW	27/NW	10/NNW	6/NW	2/SW	5/WSW	6/NW	10/NNW	19/NW	29/NW	41/NW	35/NW	27/NNW	14/N	2/NE	7/ESE	10/SSE	6/E	6/NE	5/N	7/N	7/NE	14	41/NW
03/16	5/NW	9/NW	16/W	15/W	12/SW	12/S	17/SSE	27/SSE	17/SE	15/SE	13/SSE	3/SE	3/ESE	21/WNW	23/N	14/N	9/NNE	15/ESE	16/ESE	2/N	4/SSE	4/SSW	3/SSE	6/ESE	12	27/SSE
03/17	8/ESE	7/WSW	20/WSW	19/WSW	18/SW	22/SSW	16/SSW	23/S	19/SSE	23/SE	32/SE	37/SE	34/SE	25/SE	20/ESE	16/ESE	8/ENE	4/SSW	8/SW	16/SE	28/SSE	22/SSE	20/SSE	20/SSE	19	37/SE
03/18	14/SSE	17/WSW	22/WSW	14/SSE	12/ESE	15/SE	21/SE	19/SSE	22/SSE	35/SE	40/SE	22/SE	19/SE	18/SE	12/SE	16/SE	10/SSE	15/WNW	*	*	*	*	*	*	19	40/SE
03/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03/20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03/21	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03/22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03/24	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03/25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03/26	*	*	*	*	*	*	*	*	7/NNW	24/NW	24/NW	10/NNE	9/ENE	15/ESE	25/SE	37/SE	28/SSE	25/SSE	19/SSE	8/SSE	10/NW	17/NNW	22/NW	17/NW	19	37/SE
03/27	22/NW	8/NNE	8/S	17/SW	16/SSE	10/SE	3/SE	4/NW	12/NW	18/NNW	18/NNW	26/NW	8/NNE	6/E	27/ESE	28/ESE	29/ESE	24/ESE	29/SE	18/SE	12/S	8/WNW	14/WNW	14/NNW	16	29/ESE
03/28	12/WNW	13/W	11/SW	20/S	19/SSE	21/SSE	20/SSE	20/SSE	13/SSE	6/SSE	2/N	18/WNW	10/ENE	3/NNW	11/SSE	39/S	43/SSE	57/SSE	56/SSE	46/SSE	29/SSE	26/SSE	22/SSE	14/SE	22	57/SSE
03/29	7/SE	5/SSE	13/SSW	19/SE	23/SSE	35/SSE	35/SSE	30/SSE	27/SSE	23/S	11/SSW	15/W	35/W	42/WNW	46/NW	30/NW	13/WSW	11/SW	17/SSW	10/S	10/S	9/SE	8/SW	3/SW	20	46/NW
03/30	3/WNW	7/WSW	7/SW	13/S	18/SSE	16/SSE	19/SSE	17/SE	12/SE	12/ESE	8/ENE	14/N	33/NNW	40/NW	42/NW	25/NW	4/NW	16/S	16/S	21/S	19/S	9/E	9/ESE	9/SE	16	42/NW
03/31	12/SSE	13/SSE	13/SSE	21/S	24/SSE	29/SSE	26/SSE	36/SSE	25/SE	26/SSE	21/SE	5/SSE	30/NW	26/NNW	34/NW	33/NNW	15/NW	4/SSE	12/S	17/S	23/SSE	12/SSW	18/SSE	19/S	21	36/SSE
平均值	21	19	21	23	21	22	22	22	18	20	22	22	26	25	26	25	20	20	21	18	19	18	18	19		
最大值	44/NW	34/SE	37/SSE	37/S	42/SE	40/SSE	41/S	44/SSE	41/SSE	41/S	40/SE	44/SSE	47/SSE	48/SSE	47/SSE	39/SSE	43/SSE	57/SSE	56/SSE	46/SSE	39/SSE	36/S	35/SSE	32/SE		

[註 **1**]: 月平均流速= **21cm/s**, 最大流速= **57m/s**, 其流向爲 **SSE**(去向)。流速分佈: **<25cm/s: 65.0%,25~50cm/s: 34.6%,50~70cm/s: .4%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 4.3%,E~S: 61.8%,S~W: 15.3%,W~N: 18.6%**, 流向主軸:**SSE-NNW**(佔 **34.3%**), 主流向:**SSE**(佔 **30.0%**)。每小時記錄一次, 本月計 **537**筆 (**72%**), 資料檔名:**C093KHX0.1HA**。

港灣技術研究中心

表3.5.5　2009 年 04 月 高雄港測站 X 觀測逐時流速及流向月報表

2009年 **4**月 **1**日 **0**時 **0**分 ～ **2009**年 **4**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
04/01	14/SSE	18/SSE	17/S	19/SSE	17/SE	17/SSE	26/SSE	23/SSE	18/SE	18/SE	14/SE	8/SE	19/NNW	49/NW	62/NW	63/NW	37/NW	8/NNW	14/SSE	26/SE	27/SSE	32/SSE	37/SSE	31/SSE	26	63/NW
04/02	20/SSE	24/SSE	17/SE	18/SSE	20/S	22/SE	32/SSE	30/SSE	26/SE	25/SE	33/SE	30/SE	17/SE	22/NW	30/NNW	27/NNW	30/NW	23/NW	16/N	7/N	3/SSE	6/S	10/SSW	16/SSW	21	33/SE
04/03	12/SSW	8/SSW	12/SW	12/SW	9/SSW	15/SE	13/SSE	17/SE	21/SSE	17/SSE	23/SSE	26/SE	25/SE	14/ESE	5/NNE	22/NNW	21/NNW	9/NNW	7/E	18/NE	24/NE	30/E	36/E	34/SE	18	36/E
04/04	38/SSE	32/S	22/S	14/S	8/WSW	2/WSW	4/SSW	8/SE	22/ESE	31/SE	21/ESE	16/ESE	14/SE	16/SE	14/ESE	9/E	13/NW	20/N	15/N	14/NNE	16/ESE	24/SE	33/SSE	27/SSE	18	38/SSE
04/05	30/S	24/SSW	16/S	8/SE	8/S	8/SSW	3/SSE	6/WSW	9/SE	17/SE	29/SE	26/SE	30/SE	31/SSE	29/SSE	19/SSE	16/S	4/S	5/SW	10/NW	7/NNW	12/SSE	24/SSE	28/SSE	17	31/SSE
04/06	36/S	37/SSE	32/SSE	24/SSE	17/SSE	12/S	3/E	3/E	11/SE	20/ESE	22/ESE	28/SE	27/SE	27/SE	26/SE	25/SE	23/SE	12/SE	2/ESE	12/NW	10/NNW	9/WNW	11/SSW	9/SSE	18	37/SSE
04/07	11/SSE	10/SE	4/SSW	3/E	3/NE	8/NNE	2/NNE	7/NW	4/N	5/ENE	12/NNE	22/ENE	23/ESE	25/SE	30/SE	29/SE	26/SE	22/SSE	13/S	6/WNW	10/NW	11/W	6/NE	8/SSE	13	30/SE
04/08	22/SSE	27/S	31/S	27/SSE	17/SSE	13/SSE	4/ENE	3/N	6/ENE	5/SW	13/SSE	9/SSE	25/SSE	33/SSE	41/SSE	37/SE	44/SSE	38/SSE	28/SSE	13/S	9/WSW	9/N	5/SSE	12/SE	20	44/SSE
04/09	21/SSE	24/SSE	19/SSE	14/S	11/SSE	10/SE	8/SE	1/ENE	8/NNW	14/NW	4/N	4/SSE	14/SE	26/E	23/E	25/E	14/SE	12/ESE	7/NE	9/NE	11/NNE	6/N	9/SW	7/SW	13	26/E
04/10	5/NW	4/NE	15/ESE	19/SSE	20/SSE	17/SSE	17/SE	12/SSE	7/ESE	6/NNE	8/NE	11/E	20/E	33/ESE	33/ESE	26/ESE	29/ESE	27/ESE	18/ESE	16/ESE	12/E	5/ENE	6/N	4/NNW	16	34/ESE
04/11	8/NNW	10/SSE	12/S	17/S	13/SSE	15/SE	20/SSE	24/SE	26/SSE	15/SSE	7/SE	7/N	9/NNE	7/ENE	17/SE	28/SSE	33/S	29/SSE	25/SE	23/SE	13/SE	11/SE	9/ESE	11/SE	16	33/S
04/12	17/SE	23/SSE	15/ESE	7/SE	27/SSE	30/SSE	18/SE	34/SSE	28/SSE	26/S	19/SW	13/W	24/NW	25/NW	14/NW	5/W	9/S	13/SSE	23/SE	14/SE	12/ESE	6/SSE	8/ESE	6/E	17	34/SSE
04/13	4/NNE	11/SW	4/SSW	8/SE	11/SSE	8/SSE	9/SSE	19/SSE	21/SSE	16/SSE	9/SW	21/WNW	25/NW	15/NW	9/N	6/N	*	22/SE	23/SE	20/SE	11/E	16/ESE	14/ESE	22/ESE	14	25/NW
04/14	18/E	25/ESE	24/SE	35/SE	38/SE	41/SSE	19/SE	27/SSE	27/SSE	25/S	18/SSE	17/S	12/W	16/WNW	33/NW	20/NNW	9/SE	12/S	33/SSE	24/SE	24/SE	21/E	13/E	8/ESE	23	41/SSE
04/15	8/ENE	1/N	16/ESE	11/ESE	15/SSE	13/ESE	11/ESE	29/SSE	19/SSE	23/SSE	19/SE	18/SE	3/SSE	2/NNE	21/NNW	36/NW	26/NNW	15/NNW	27/NNW	15/E	15/ESE	4/NNE	6/E	4/NE	15	36/NW
04/16	7/NNE	6/NNW	3/WNW	7/WNW	4/W	7/SSE	18/S	15/S	17/SSE	10/SE	10/S	5/SSW	10/WNW	18/WNW	16/WNW	24/NW	23/NW	10/NNW	7/NW	9/NNW	13/NNW	7/N	1/NNW	7/W	11	24/NW
04/17	16/SW	18/SW	13/SSW	22/SSW	21/S	21/SSW	18/S	18/SSE	25/SSE	21/SE	27/SSE	29/S	16/S	11/SW	24/WNW	26/NW	22/NW	19/NW	9/WNW	6/S	13/ESE	20/SE	24/SSE	28/SE	20	29/S
04/18	27/SE	28/SE	25/SE	16/SE	18/SSE	19/SSE	17/SSE	22/SSE	14/SE	17/SSE	13/SE	18/ESE	17/ESE	6/ENE	20/NW	43/NNW	41/NW	35/NW	29/NW	6/NW	11/E	11/E	9/SE	2/SW	19	43/NNW
04/19	8/ESE	4/SE	12/SE	18/SSW	14/SW	7/SSE	9/ESE	16/S	14/SW	9/S	14/SSE	4/SSE	9/SE	6/S	10/NW	16/NW	40/NW	46/NW	43/NW	39/NW	34/NW	30/NW	25/NW	16/NW	19	46/NW
04/20	17/NW	12/NW	11/W	13/WNW	6/WNW	9/NNW	5/NW	7/NW	7/WNW	5/WNW	7/WNW	1/SE	3/ESE	10/SE	14/SE	8/ESE	5/NNW	7/NNE	10/NE	9/NNE	3/ENE	3/NNE	2/ESE	6/E	8	17/NW
04/21	3/SE	30/SSE	26/SE	10/SSW	18/S	13/SSW	10/WSW	20/SW	*	15/W	6/WNW	5/SW	6/N	5/E	13/SE	19/SE	33/SE	28/SSE	27/SSE	13/SE	16/ESE	19/ESE	17/ESE	28/ESE	17	33/SE
04/22	29/SE	28/SE	37/SSE	20/SSE	28/SSE	19/SSE	20/SE	14/SSE	17/SE	20/S	15/SW	36/WSW	16/WSW	9/WNW	6/NW	7/E	3/NW	4/NNE	3/NE	5/NNE	5/NW	8/E	8/ESE	12/SSE	15	37/SSE
04/23	19/SSE	16/SSW	13/SE	6/SE	17/SE	18/SE	12/SE	9/SE	8/ESE	*	12/E	17/E	16/NE	13/ENE	10/E	13/ESE	11/ESE	11/SE	7/ESE	9/E	5/ENE	4/ENE	6/E	15/E	12	19/SSE
04/24	11/SE	15/SE	16/SE	10/SE	12/SSE	14/S	16/S	25/S	9/S	4/SSW	8/NNE	7/ENE	17/ESE	27/ESE	23/ESE	32/SE	39/SE	36/SSE	36/SSE	24/SE	32/SSE	26/SSE	12/ESE	13/ESE	19	39/SE
04/25	16/ESE	7/SE	25/SSE	16/SSE	11/S	22/SSE	23/SSE	28/SSE	31/SSE	13/SE	14/E	8/SSW	16/NW	12/WNW	22/SSE	37/S	49/SE	42/SE	32/SSE	25/SE	23/SE	13/S	21/ESE	15/SE	22	49/SE
04/26	21/ESE	24/ESE	24/ESE	20/ESE	36/SE	33/SE	38/SE	33/SE	27/SE	21/SE	13/ESE	11/ESE	14/NW	24/NW	15/WSW	32/WNW	8/NE	6/ESE	12/ESE	14/E	13/ENE	12/NNE	13/NE	15/ENE	20	38/SE
04/27	17/ENE	8/NE	22/ENE	17/E	17/ESE	17/S	21/SSE	27/SSE	19/SSE	3/SW	22/WNW	45/NW	45/NW	31/NNW	32/NNW	24/NNW	13/N	16/ENE	10/ENE	23/E	7/NE	12/WNW	12/WNW	14/WNW	20	45/NW
04/28	17/W	8/W	8/S	12/SSE	11/SE	15/SSE	24/SSE	33/SSE	30/S	17/SSE	3/WNW	29/NW	32/NNW	26/N	32/N	26/NE	30/E	40/ESE	35/SE	38/SE	26/ESE	14/E	7/ESE	11/ENE	22	40/ESE
04/29	11/SSW	19/SSW	23/SSW	43/S	33/S	36/SSE	34/SSE	46/SSE	38/SSE	30/SSE	23/SSE	11/ESE	9/WNW	18/NNW	19/N	16/E	23/ESE	35/SE	35/SE	8/NNW	14/NW	13/WNW	3/S	18/E	23	46/SSE
04/30	16/ENE	8/SSW	14/S	16/SW	16/SSW	15/SSE	39/SSE	19/SSE	28/SSE	36/SSE	29/SSE	14/SE	6/ESE	11/NW	37/NNW	26/N	17/NE	22/E	29/E	32/E	26/ESE	31/E	15/ESE	17/ENE	22	39/SSE
平均值	17	17	18	16	17	17	16	19	19	17	16	17	17	19	23	24	24	21	19	16	15	14	13	15		
最大值	38/SSE	37/SSE	37/SSE	43/S	38/SE	41/SSE	39/SSE	46/SSE	39/SSE	36/SSE	33/SE	45/NW	45/NW	49/NW	62/NW	63/NW	49/SE	46/NW	43/NW	39/NW	34/NW	32/SSE	37/SSE	35/SE		

[註 1]: 月平均流速= **18cm/s**, 最大流速= **63m/s**, 其流向爲 **NW**(去向)。流速分佈: **<25cm/s: 76.3%,25~50cm/s: 23.4%,50~70cm/s: .3%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 12.4%,E~S: 58.9%,S~W: 10.2%,W~N: 18.5%**, 流向主軸:**SSE-NNW**(佔 **26.9%**), 主流向:**SSE**(佔 **20.6%**)。每小時記錄一次, 本月計 **717**筆 **(100%)**, 資料檔名:**C094KHX0.1HA**。

表3.5.6　2009 年 05 月 高雄港測站 X 觀測逐時流速及流向月報表

2009年 **5**月 **1**日 **0**時 **0**分 ～ **2009**年 **5**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
05/01	9/ESE	14/SSW	18/SW	17/SSW	12/SSW	8/S	31/SSE	24/SSE	37/SSE	54/SSE	30/SSE	23/SSE	16/SE	8/ESE	11/NNW	15/N	15/NNE	13/NE	20/E	28/E	26/E	15/SE	22/E	18/ESE	20	54/SSE
05/02	23/S	24/SSW	15/SSW	13/S	19/SSW	30/S	26/S	23/SSE	32/SSE	19/SE	18/SE	26/SE	23/SE	27/SE	32/SE	18/ESE	12/ENE	10/NE	14/NE	19/E	26/ESE	31/SE	33/SSE	28/SE	23	33/SSE
05/03	21/SE	10/SSE	15/SSE	15/SSE	23/ESE	24/SE	15/S	22/SE	24/SSE	33/SE	41/SE	40/SE	37/SE	29/SE	26/SE	20/SE	19/SE	9/ESE	8/E	15/ENE	17/ENE	21/E	25/ESE	15/E	22	41/SE
05/04	22/SE	25/SSE	13/S	14/SSE	14/SSW	16/SSE	16/SSE	18/SSE	11/ESE	27/ESE	35/SE	47/SE	41/SE	50/SE	36/SSE	30/SSE	*	7/NNE	*	17/N	19/N	*	22/ENE	25/E	24	50/SE
05/05	33/ESE	17/ESE	24/SSE	27/S	17/S	25/SSE	18/S	13/S	11/ESE	20/E	40/SE	*	40/E	52/SE	42/ESE	40/SE	31/SE	23/SE	14/SE	11/ESE	11/E	9/NE	5/ENE	22/ENE	24	52/SE
05/06	27/E	36/ESE	28/ESE	33/SE	47/SSE	44/SSE	26/SSE	12/SSE	7/SSE	10/E	19/E	35/ESE	41/ESE	41/E	44/ESE	35/ESE	35/SE	47/SE	33/ESE	26/ESE	30/SE	32/ESE	39/SE	39/ESE	32	47/SSE
05/07	27/SE	32/SE	28/SSE	28/SSE	36/SSE	42/SSE	32/SSE	30/SSE	14/SSE	13/SE	7/NNW	16/SE	38/SE	47/SE	59/SE	53/SE	41/SE	33/SE	33/ESE	33/SE	21/ESE	18/SE	18/SE	27/ESE	30	59/SE
05/08	37/ESE	29/ESE	50/SSE	59/SSE	65/SSE	64/SSE	50/SSE	37/SSE	23/S	7/SW	16/WNW	11/NNW	19/ENE	20/E	32/SE	51/SE	46/SE	43/SE	42/SE	40/SE	28/SE	17/ESE	23/ESE	23/ESE	35	65/SSE
05/09	24/ESE	34/SE	55/SSE	64/SSE	50/SSE	58/SSE	59/SSE	49/SSE	30/SSE	7/SSW	14/NNW	8/NNW	12/NNE	25/E	34/ESE	50/SE	59/SE	46/SE	42/SE	42/SE	38/SE	28/SE	21/SE	29/SE	37	64/SSE
05/10	31/SE	49/SE	66/SSE	73/SSE	77/SSE	61/SSE	45/SSE	40/SSE	42/SSE	21/SSE	19/ESE	6/ENE	10/NNW	6/E	27/SE	54/SE	67/SE	72/SE	64/SSE	55/SE	51/SSE	35/SSE	19/SE	26/ESE	42	77/SSE
05/11	37/ESE	46/ESE	58/SSE	83/SSE	91/SSE	82/SSE	65/SSE	49/SSE	37/SSE	20/SSE	12/SE	6/NNW	10/WNW	6/WNW	19/SSW	42/SE	63/SE	77/SE	69/SSE	58/SSE	57/SE	39/SSE	45/SSE	45/SSE	47	91/SSE
05/12	40/SSE	56/SSE	66/SSE	77/SSE	79/SSE	74/SSE	70/SSE	60/SSE	47/SSE	36/SSE	32/SSE	30/SE	25/SE	27/ESE	40/SE	54/SE	69/SE	69/SE	71/SE	64/SE	52/SE	38/SE	36/SSE	21/SE	51	79/SSE
05/13	21/SE	30/SE	30/SE	54/SSE	56/SSE	44/SSE	42/SSE	37/SSE	33/SSE	27/SE	28/SSE	20/SSE	15/SSE	9/SE	14/ESE	23/SE	32/SE	47/SE	52/SE	47/SE	43/ESE	41/ESE	37/ESE	27/ESE	34	56/SSE
05/14	27/ESE	30/SE	26/SE	26/SE	18/SE	16/SE	19/SE	35/SSE	33/SSE	20/SSE	15/SSE	6/ESE	6/NNW	17/NW	20/NNW	14/N	2/ENE	16/SE	25/SSE	31/SSE	30/SE	29/ESE	15/ESE	12/SE	20	35/SSE
05/15	14/ESE	14/ESE	16/SE	23/ESE	26/SE	25/SE	32/SSE	29/SE	44/SSE	21/SSE	21/SSE	14/SSE	3/SSE	8/WNW	20/NW	21/NNW	14/N	5/E	21/SE	34/SE	45/SE	45/SE	45/SSE	26/SE	24	45/SSE
05/16	15/ESE	22/SE	16/SE	21/SSE	25/SSE	39/SSE	39/SSE	39/SSE	40/SE	41/SE	26/SE	19/SSE	18/SE	14/ESE	7/E	5/NNE	11/NNW	14/ENE	13/E	25/E	28/SE	30/SSE	24/SE	13/SSE	23	41/SE
05/17	13/S	15/S	20/S	22/SE	15/SE	29/SE	31/SSE	24/SSE	47/SSE	25/SSE	18/S	17/SSE	12/SSE	16/SE	9/ESE	5/ENE	4/NE	10/ENE	5/E	18/ESE	26/ESE	34/ESE	36/ESE	37/SE	20	47/SSE
05/18	25/ESE	35/SE	31/SE	24/ESE	29/SE	27/SE	24/SE	29/SE	30/SE	30/ESE	33/SE	26/SE	21/SSE	19/SSE	18/SSE	16/SSE	6/SSW	4/S	5/SE	16/ESE	21/SE	29/ESE	33/SE	30/SE	23	35/SE
05/19	22/ESE	17/SE	17/SE	24/SE	39/SE	24/SE	22/SE	31/SSE	27/SE	26/ESE	29/SE	42/SE	*	36/SE	44/SE	35/SSE	18/SSE	15/SSE	4/W	10/ENE	9/E	22/SE	27/SE	29/SE	25	44/SE
05/20	19/ESE	18/SE	13/SSE	28/SSE	25/SE	12/SSE	10/SE	7/S	9/S	10/SSE	5/SSE	15/ENE	30/ESE	25/ESE	25/SE	18/SE	10/SE	2/NNE	23/WNW	18/WNW	22/WNW	19/WNW	13/WNW	4/WSW	16	30/ESE
05/21	13/SSE	25/SSE	34/SSE	25/SSE	27/SSE	21/SSE	11/S	18/WNW	22/WNW	21/NW	19/NNW	18/NNW	12/N	15/WNW	17/NW	18/NW	21/NW	13/NW	19/NNW	37/NW	40/NW	24/NW	12/NW	4/NW	20	40/NW
05/22	13/SE	24/S	20/SSE	30/SSE	26/S	18/S	10/W	25/WNW	32/NW	25/NW	20/NW	14/ENE	6/ESE	20/ESE	28/SSE	30/SE	29/ESE	22/SE	20/ESE	11/ESE	12/ENE	13/ESE	14/E	13/SSE	20	32/NW
05/23	24/ESE	27/SE	33/SSE	41/SSE	39/SSE	19/SSE	13/W	25/NW	43/NW	34/NW	20/NW	7/NNE	18/E	25/ESE	29/SE	24/SSE	31/ESE	34/ESE	29/ESE	16/ESE	14/ENE	12/ENE	8/E	2/SSW	24	44/NW
05/24	16/ESE	14/ESE	19/SSE	19/SSE	19/SSE	15/SSW	29/WNW	39/NW	56/NW	51/NW	26/NNW	15/N	15/E	31/ESE	44/SE	43/SSE	36/SE	24/SE	17/ESE	8/ENE	11/NNE	11/NNW	5/N	8/ESE	24	56/NW
05/25	16/ESE	6/SE	7/SSE	14/SSE	20/SE	23/SSE	16/S	11/SW	24/NNW	35/NW	33/NW	23/NW	15/N	12/ENE	28/E	33/ESE	37/ESE	22/SSE	22/SSE	17/SE	14/ESE	18/ENE	9/E	9/W	19	37/ESE
05/26	11/SW	10/S	12/SE	25/SE	31/SE	26/SSE	33/SSE	30/SSE	16/S	14/W	33/NW	41/NW	30/NW	21/N	17/NE	29/E	28/ESE	37/SE	31/SE	23/ESE	16/ESE	17/E	14/ENE	14/E	23	41/NW
05/27	13/ESE	22/SE	27/SE	27/SE	32/ESE	34/SE	34/SE	40/SE	32/SSE	15/SSE	9/W	28/WNW	35/NNW	30/NW	35/NW	41/W	45/W	19/WNW	25/ESE	27/ESE	8/SSE	12/E	11/NE	13/NE	26	45/W
05/28	9/E	5/NNE	16/ESE	22/ESE	21/SE	21/ESE	26/SE	41/SE	39/SSE	31/SE	16/SSE	19/WNW	37/NW	52/NW	51/NNW	41/NW	33/NNW	14/NNW	22/NNW	4/N	19/SE	14/SE	3/W	3/NNW	23	52/NW
05/29	6/NNE	7/WNW	3/NW	9/SE	11/SE	20/SSE	37/SE	40/SE	45/SSE	44/SSE	33/SSE	25/S	10/WSW	40/WNW	51/NNW	40/NNW	26/N	14/NE	23/E	31/E	17/E	12/ESE	10/SE	11/ESE	24	51/NNW
05/30	12/E	8/E	15/ESE	20/SE	22/SE	20/SE	29/SE	30/SE	29/SSE	36/SSE	35/S	26/S	17/SW	27/WNW	49/NW	44/NNW	31/NNW	22/NNW	12/NNE	18/E	23/ESE	15/SE	19/SSE	16/SE	24	49/NW
05/31	22/SE	13/SE	14/SE	12/ESE	21/ESE	22/SE	29/SE	39/SE	40/SSE	42/SSE	34/SSE	31/SSE	25/SSE	11/SSW	27/WNW	49/NW	41/NW	22/NNW	14/N	12/ENE	13/SSW	34/SW	13/SSW	16/SSE	25	49/NW
平均值	21	23	26	31	33	32	30	31	31	26	24	22	21	25	30	32	30	26	26	26	25	24	21	20		
最大值	40/SSE	57/SSE	66/SSE	83/SSE	91/SSE	82/SSE	70/SSE	60/SSE	56/NW	54/SSE	41/SE	47/SE	41/SE	52/SE	59/SE	54/SE	69/SE	77/SE	71/SE	64/SE	57/SE	45/SE	45/SSE	45/SSE		

[註 1]: 月平均流速= **27cm/s**, 最大流速= **91m/s**, 其流向爲 **SSE**(去向)。流速分佈: **<25cm/s: 53.3%,25~50cm/s: 39.2%,50~70cm/s: 6.5%,75~100cm/s: .9%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 7.7%,E~S: 73.2%,S~W: 5.5%,W~N: 13.5%**, 流向主軸: **SE- NW**(佔 **33.6%**), 主流向: **SE**(佔 **28.6%**)。每小時記錄一次, 本月計 **739**筆 (**99%**), 資料檔名:**C095KHX0.1HA**。

港灣技術研究中心

表3.5.7　2009 年 06 月 高雄港測站 X 觀測逐時流速及流向月報表

2009年 **6**月 **1**日 **0**時 **0**分 ～ **2009**年 **6**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
06/01	19/SE	19/SE	16/ESE	9/ESE	15/ESE	13/ESE	20/SE	26/SE	29/SE	40/SSE	33/SE	32/SE	29/SE	17/SE	12/SSE	4/WSW	15/WNW	20/NW	6/N	9/WNW	15/WSW	14/SSW	18/SSE	20/SE	19	40/SSE
06/02	21/SE	21/SE	21/SSE	10/SSE	10/E	4/ENE	6/SSW	10/SW	13/SSE	16/SSE	33/SSE	14/SSE	26/SSE	19/SSE	23/SSE	12/S	6/SSE	10/WSW	26/WNW	19/WNW	14/W	9/SSE	14/S	23/SSE	16	33/SSE
06/03	31/SSE	24/SSE	30/SSE	24/S	13/SSW	17/W	24/WNW	27/NNW	14/N	8/NE	10/SSW	27/SSE	29/SE	36/ESE	43/SE	37/ESE	39/SE	22/ESE	22/SE	31/SE	24/SSE	18/SSE	24/SSE	14/SSE	25	43/SE
06/04	22/SE	27/SSE	38/SSE	41/SSE	48/SSE	38/SSE	31/SE	21/SSE	5/WSW	4/W	5/W	11/SSE	37/SE	42/SE	47/SE	62/SE	57/SE	57/SE	51/SE	46/SE	38/SE	42/SE	49/SSE	54/SE	36	62/SE
06/05	54/SE	47/SSE	47/SSE	50/SSE	44/SE	38/SSE	33/SSE	16/S	30/WNW	46/WNW	35/NW	14/WNW	18/S	41/SSE	45/SSE	47/SE	48/SE	46/SE	37/SE	36/SE	31/ESE	32/ESE	32/SE	34/ESE	38	54/SE
06/06	35/ESE	44/SE	42/SE	48/SE	46/SE	47/SE	35/SE	19/SE	16/WNW	43/NW	31/NNW	23/NW	11/NNW	21/SE	23/SE	21/ESE	13/SE	5/E	5/ESE	11/ENE	8/N	5/N	3/SSW	13/S	24	48/SE
06/07	11/S	18/SSE	22/SE	38/SE	34/SE	31/SE	25/SE	18/SSE	26/WNW	41/NNW	45/NW	34/NW	19/N	14/ENE	12/E	17/ENE	15/NE	16/E	21/ESE	25/ESE	29/ESE	20/ESE	10/SW	6/SW	23	45/NW
06/08	6/S	14/SW	18/SSE	28/SSE	29/SE	37/SSE	36/SSE	30/SSE	17/SSE	15/W	28/WNW	32/NW	36/NW	15/NNW	28/WNW	20/WSW	28/SSW	20/SSW	19/SW	17/W	15/W	1/N	4/E	5/ENE	21	37/SSE
06/09	3/SE	19/ESE	33/SE	33/SE	32/SE	23/SE	39/SSE	34/SSE	16/S	20/W	38/WNW	53/NW	60/NW	72/NNW	54/NNW	33/NNW	20/NNW	6/N	7/WNW	9/W	13/NNW	17/NNW	19/NW	21/NW	28	72/NNW
06/10	34/WNW	26/WNW	18/WNW	5/SSW	22/SSE	26/SSE	36/SSE	38/S	28/S	23/W	48/NW	60/NW	58/NW	45/NW	35/WNW	36/NW	29/NNW	7/N	2/S	6/SSW	8/ESE	8/SSE	4/SE	3/ESE	25	60/NW
06/11	9/SSW	10/S	15/S	18/SSE	31/SSE	36/SSE	49/SSE	52/SSE	48/SSE	37/SSE	21/S	16/W	35/NW	35/NW	11/NW	18/WNW	8/SSE	23/SSW	34/S	33/S	40/SE	39/SSE	24/SE	30/SSE	28	52/SSE
06/12	30/S	19/S	20/S	23/SSE	26/SSE	24/SE	42/SSE	47/SSE	64/SSE	50/SSE	34/SSE	25/SSW	15/SW	19/WNW	23/NW	6/NE	13/WSW	15/SW	15/S	25/SSE	23/SSE	23/S	17/S	12/WSW	26	64/SSE
06/13	8/SSW	5/WNW	5/W	5/WSW	13/S	7/SSE	12/SSE	8/S	19/SSE	21/SSE	25/SSE	28/SSE	18/SSE	15/SSE	5/WNW	33/NW	17/WNW	18/WSW	29/SSW	37/SSW	36/SSW	24/SSW	18/SW	7/SSW	17	37/SSW
06/14	6/SSW	6/WSW	6/WSW	12/W	14/W	9/WNW	7/W	11/SE	19/SE	29/SSE	21/SSE	17/SE	12/SSE	10/W	36/NW	46/NW	49/NW	27/WNW	6/N	9/SSE	34/WSW	30/WSW	21/SW	12/SW	19	49/NW
06/15	7/SW	12/W	22/WNW	24/NW	28/NW	16/NW	10/WNW	5/NNW	1/SSW	9/S	11/SE	7/SW	16/WNW	*	49/WNW	46/NW	41/NW	28/NW	13/WNW	12/SW	12/S	9/SSE	12/SE	10/ESE	17	49/WNW
06/16	5/ENE	6/NW	14/NW	34/NW	23/NW	20/NW	19/WNW	11/NW	6/SE	25/SSE	31/SSE	34/SE	33/SSE	34/SSE	22/S	10/WSW	4/NW	12/WSW	24/S	33/S	26/SSW	28/S	34/S	26/S	22	34/SSE
06/17	16/S	9/SW	13/NW	35/NW	29/NNW	27/NNW	17/NNW	13/WNW	11/W	10/NNW	11/E	8/ENE	13/ENE	11/ENE	3/ENE	9/NNW	22/NNW	15/NNW	7/WNW	10/ESE	19/SE	27/SSE	29/SSE	24/SE	16	35/NW
06/18	21/SSW	16/SSW	19/WNW	30/NNW	39/NNW	36/NW	29/NW	35/NW	22/NW	18/WNW	4/SSE	12/SE	11/SE	10/SE	3/ESE	18/NW	27/NNE	41/N	32/NNE	16/NNW	7/W	18/SSE	49/SSE	49/S	23	49/SSE
06/19	32/S	34/S	20/SSW	22/WSW	36/WNW	46/NW	47/NW	52/NW	38/NW	25/WNW	18/W	16/SW	12/N	18/ENE	18/E	18/ESE	12/NW	40/WNW	53/WNW	52/WNW	69/NW	55/WNW	40/NW	19/NW	33	69/NW
06/20	4/NW	4/SW	19/NW	43/W	50/WNW	70/WNW	76/NW	121/NW	122/NW	116/NW	104/NW	82/WNW	53/W	51/WNW	34/WNW	37/WNW	50/WNW	81/WNW	79/NW	70/NW	80/NW	96/NW	70/WNW	50/WNW	65	122/NW
06/21	55/WNW	42/WNW	52/WNW	56/NW	92/NW	130/NW	159/NW	167/NW	153/NW	121/NW	97/NW	*	45/NW	28/NW	15/N	7/NNE	8/E	8/NE	10/NNW	20/NW	28/NNW	29/NNW	21/NNW	7/NNW	59	167/NW
06/22	7/WSW	10/SSE	19/SSE	42/SE	45/SE	41/SE	18/SSE	43/W	68/NNW	*	102/NW	57/WNW	22/WNW	14/SSE	53/SSW	28/S	29/S	24/S	16/SSE	6/ESE	6/WNW	13/NW	12/NNW	10/N	30	102/NW
06/23	12/E	18/SE	26/SE	48/SE	58/SSE	49/S	43/S	32/S	15/W	68/NW	64/NW	60/NNW	28/NNW	9/NE	16/E	21/ESE	23/SE	18/ESE	14/SE	19/ESE	14/ENE	6/NNE	19/NE	14/NE	29	68/NW
06/24	11/E	12/ESE	17/SE	29/SE	33/SE	34/SSE	29/S	24/S	19/SSW	41/W	64/NW	59/NW	48/NW	33/NW	13/N	16/NE	12/ENE	21/E	9/ESE	4/S	4/N	7/NNW	13/NW	27/WNW	24	65/NW
06/25	27/NW	21/WNW	9/W	7/SSW	14/S	20/SW	17/WNW	33/NW	48/NW	58/NW	83/NW	132/NW	113/NW	108/NW	62/NW	43/WNW	22/WNW	7/WSW	17/SSW	20/SW	16/WSW	14/WNW	20/NW	22/NW	39	132/NW
06/26	20/WNW	36/NW	14/WNW	6/S	18/S	30/SSE	39/SSE	46/S	40/S	17/WSW	63/W	90/NW	93/NNW	101/NW	69/NW	54/WNW	31/WNW	14/W	39/SW	32/SSW	23/SSW	12/SW	15/W	29/WNW	39	101/NW
06/27	47/NW	44/NW	46/NW	36/NW	27/WNW	22/NW	13/NW	5/N	9/SSE	10/S	31/WNW	49/WNW	62/NW	85/NW	74/NW	61/NW	34/NW	26/W	25/SSW	21/SW	11/SW	9/SW	9/SW	6/SW	32	85/NW
06/28	18/NW	18/N	15/NW	14/NW	9/WNW	8/SSW	10/SSE	18/SSE	21/SSE	26/SE	29/SSE	16/S	21/W	30/WNW	43/NNW	30/NNW	12/WNW	15/NNW	10/E	18/E	24/ESE	28/SE	22/SSE	22/SSE	20	43/NNW
06/29	21/S	6/WSW	31/WNW	31/NW	23/NNW	12/NNW	11/NNW	2/WSW	3/E	9/ESE	15/ESE	17/ESE	12/SSW	14/WSW	26/NW	47/NW	29/NW	6/NW	8/WSW	19/S	35/S	40/S	35/SSE	36/S	20	47/NW
06/30	24/SSE	24/S	13/SW	24/WNW	27/NW	21/NW	37/NW	15/NNW	13/N	7/NNE	11/ENE	10/ENE	12/E	9/SE	6/SSE	12/W	13/WNW	12/NW	4/WSW	11/S	17/S	18/S	22/SSE	25/SSE	16	38/NW
平均值	21	20	23	28	31	31	32	33	31	33	38	36	33	33	30	28	24	22	21	23	24	23	23	21		
最大值	55/WNW	47/SSE	52/WNW	56/NW	92/NW	130/NW	159/NW	167/NW	153/NW	121/NW	104/NW	132/NW	114/NW	109/NW	74/NW	62/SE	57/SE	81/WNW	79/NW	70/NW	80/NW	96/NW	70/WNW	54/SE		

[註 1]: 月平均流速= **28cm/s**, 最大流速= **167m/s**, 其流向爲 **NW**(去向)。流速分佈: **<25cm/s: 56.6%,25~50cm/s: 33.5%,50~70cm/s: 6.3%,75~100cm/s: 1.7%,>100cm/s: 2.0%**。

[註 2]: 流向分佈: **N~E: 5.9%,E~S: 38.8%,S~W: 18.3%,W~N: 37.1%**, 流向主軸: **NW- SE**(佔 **29.4%**), 主流向: **NW**(佔 **17.0%**)。每小時記錄一次, 本月計 **717**筆 **(100%)**, 資料檔名:**C096KHX0.1HA**。

港灣技術研究中心

表3.5.8　2009 年 07 月 高雄港測站 X 觀測逐時流速及流向月報表

2009年 **7**月 **1**日 **0**時 **0**分 ~ **2009**年 **7**月**19**日 **2**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
07/01	34/SSE	38/SSE	30/SSE	16/SSW	20/W	22/NW	28/WNW	29/WNW	21/NW	15/NW	8/N	7/ENE	7/NE	9/E	15/ENE	5/ESE	10/S	12/S	13/S	21/S	23/SSE	26/SE	31/SE	30/SSE	20	38/SSE
07/02	42/SSE	36/SSE	33/S	20/S	11/SSW	13/WNW	22/NNW	27/NW	17/NNW	20/NNW	14/NNW	6/N	6/ENE	7/ENE	12/E	13/E	11/SE	15/SSE	19/SSE	15/SE	15/SE	17/SE	24/SE	26/SE	18	42/SSE
07/03	32/SSE	40/SSE	48/SSE	45/SE	30/SE	9/SSE	46/NW	51/NW	48/NW	25/NNW	15/NW	9/N	13/ENE	12/NE	7/NE	6/NE	9/ENE	18/ESE	15/SSE	14/SW	16/SW	20/SW	13/SSW	20/SSE	24	51/NW
07/04	21/SSE	23/S	24/SSE	19/SSE	8/S	30/WNW	40/NNW	56/NW	69/NW	63/NW	43/NNW	32/NNW	25/NNW	10/NNW	14/ENE	10/ENE	9/E	10/SSE	16/ESE	16/SE	13/SSE	16/S	14/S	12/SSE	25	69/NW
07/05	15/S	25/S	22/S	27/SSE	24/SSE	19/SSE	13/SW	39/NW	50/NW	75/NW	49/NW	46/NNW	23/N	16/NNE	23/ENE	14/ENE	13/E	11/ESE	13/SE	19/SE	16/SSE	16/SSE	11/SE	12/SSE	25	75/NW
07/06	16/SE	27/SSE	34/SSE	34/S	35/S	32/S	14/SSW	7/NW	56/NNW	74/NW	59/NW	46/NW	36/NW	24/N	17/N	11/W	9/WSW	18/WSW	22/SW	24/SW	21/SW	22/WSW	16/WSW	23/SW	28	74/NW
07/07	24/SSW	29/SSW	26/SSW	40/S	35/S	26/S	22/S	18/SW	34/WNW	62/NW	64/NW	56/NNW	29/NNW	17/N	17/NE	18/ENE	18/ENE	13/ESE	11/SSE	11/SSE	11/S	17/SW	14/SW	17/S	26	64/NW
07/08	21/S	21/SSE	33/SSE	40/S	38/SSE	37/S	28/S	20/SSW	35/WNW	60/NW	61/NW	57/NW	44/NW	22/NNW	8/NNW	4/ESE	12/SSE	26/SE	18/SE	20/SE	15/ESE	12/ESE	9/ESE	9/SE	27	61/NW
07/09	15/SE	21/SE	22/SE	23/SSE	29/SSE	40/SSE	46/SSE	39/SSE	27/S	24/W	50/WNW	66/NW	71/NW	52/NW	27/WNW	7/SW	25/S	19/S	28/SE	18/SE	11/SE	8/ESE	6/ESE	1/SW	28	71/NW
07/10	4/NNW	5/SE	10/SSE	22/SSE	33/S	41/SSE	43/SSE	49/SSE	43/S	31/S	32/W	69/NW	71/NW	66/NW	69/NW	32/NNW	14/N	11/NE	7/ENE	7/ENE	4/ENE	6/SE	4/SSW	14/NNW	29	71/NW
07/11	12/NW	8/WNW	11/SW	14/S	19/S	11/SSW	19/SSE	22/S	30/S	15/S	24/W	32/NW	70/NW	79/NW	69/NNW	53/NW	35/NW	12/WNW	3/WNW	13/S	24/SSW	5/SE	9/WSW	18/WNW	25	80/NW
07/12	6/N	5/N	2/S	11/S	21/SSE	24/SSE	30/SSE	42/SSE	42/SSE	30/SSE	14/SSW	22/WNW	47/NW	44/NW	39/NW	25/W	21/SW	45/S	40/SSE	39/SSE	36/SE	38/SSE	22/SSE	7/WSW	27	47/NW
07/13	21/WNW	11/WNW	11/W	13/ESE	17/SE	25/SE	30/SE	35/SSE	40/SSE	33/SSE	25/S	18/W	27/WNW	43/NW	35/NW	24/WNW	25/WNW	22/WNW	12/WSW	14/WSW	16/NNW	23/NNW	38/NNW	45/NNW	25	45/NNW
07/14	57/NNW	53/NW	49/NW	45/NW	43/WNW	43/WNW	28/WNW	15/W	10/WNW	11/NW	34/NW	48/NW	66/NW	78/NW	62/NW	47/NW	45/NW	34/WNW	33/NW	41/NW	36/NW	44/NW	47/NW	65/NW	43	78/NW
07/15	71/NW	69/NW	53/WNW	45/WNW	35/WNW	31/WNW	14/WNW	11/WNW	4/N	6/SSE	7/SE	5/SE	5/SW	16/WNW	18/NW	13/WNW	13/WNW	6/NE	5/E	11/SSE	33/SSE	29/SSE	27/SE	40/SSE	24	71/NW
07/16	27/SSE	24/S	18/S	9/S	6/S	13/SSW	10/SSW	14/S	19/S	14/SSE	13/SSE	16/ESE	20/SE	25/SE	21/SE	18/SSE	18/S	23/SSE	20/S	28/S	28/SSE	40/SE	43/SE	54/SSE	22	54/SSE
07/17	55/SSE	43/SSE	36/SSE	20/SSW	10/WSW	20/WNW	31/NW	20/NNW	8/NNW	4/NNE	1/E	6/SSE	7/S	9/S	15/S	20/S	14/SSE	14/ESE	17/SE	25/SE	26/SE	26/SE	29/SSE	35/SSE	21	55/SSE
07/18	43/SSE	39/SE	26/S	11/SW	41/WNW	56/NW	89/NW	115/NW	123/NW	117/NW	137/NW	138/NW	115/NW	115/NW	119/NW	128/NW	118/NW	106/NW	97/NW	77/NW	61/WNW	36/WNW	24/WNW	20/WNW	81	138/NW
07/19	15/WSW	12/WSW	17/SW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	17/SW
平均值	28	28	27	25	25	27	31	34	38	38	36	38	38	36	33	25	23	23	22	23	23	22	21	25		
最大值	71/NW	69/NW	54/WNW	45/SE	44/WNW	56/NW	89/NW	115/NW	123/NW	117/NW	137/NW	138/NW	115/NW	115/NW	119/NW	128/NW	118/NW	106/NW	97/NW	77/NW	61/WNW	44/NW	47/NW	65/NW		

[註 1]: 月平均流速= **29cm/s**, 最大流速= **138m/s**, 其流向爲 **NW**(去向)。流速分佈: **<25cm/s: 57.2%,25~50cm/s: 30.6%,50~70cm/s: 8.5%,75~100cm/s: 1.1%,>100cm/s: 2.5%**。

[註 2]: 流向分佈: **N~E: 7.6%,E~S: 40.2%,S~W: 16.1%,W~N: 36.1%**, 流向主軸: **NW- SE**(佔 **28.7%**), 主流向: **NW**(佔 **18.4%**)。每小時記錄一次, 本月計 **435**筆 (**58%**), 資料檔名:**C097KHX0.1HA**。

表3.5.9　2009 年 08 月 高雄港測站 X 觀測逐時流速及流向月報表

2009年 **8**月**13**日**15**時 **0**分 ～ **2009**年 **8**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
08/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	31/N	29/NNE	14/N	6/SW	4/WSW	5/SW	22/S	32/SSE	30/S	19	32/SSE
08/14	23/SSW	10/SSE	10/SW	28/W	29/WNW	34/NW	33/WNW	39/WNW	39/NW	24/NW	23/NW	22/NW	22/NW	22/NW	24/NW	21/NW	15/NW	9/WSW	12/SSE	20/S	31/S	36/S	37/S	38/SSE	25	39/NW
08/15	29/SSE	24/S	14/SSW	9/WNW	39/NW	47/NNW	54/NNW	41/NW	34/NNW	36/NNW	34/NW	33/WNW	24/WNW	15/W	13/SW	10/S	13/SSW	28/SSW	31/S	34/SSW	38/S	40/S	44/S	44/S	30	54/NNW
08/16	43/SSE	36/SSE	25/S	21/SSE	5/SSW	21/NNW	39/NNW	49/NW	49/NW	26/NNW	19/WNW	17/NW	11/WNW	11/WNW	5/WNW	15/NNW	5/NNW	9/NNW	6/WNW	6/SSW	12/SSE	23/S	24/S	31/SSE	21	49/NW
08/17	39/S	37/S	33/S	32/SSE	21/S	21/W	37/WNW	53/NW	58/NW	49/NW	48/NW	38/WNW	34/WNW	29/WNW	20/NW	18/WNW	16/NNW	18/WNW	25/NW	16/NW	11/WNW	6/NW	6/S	8/ESE	28	58/NW
08/18	26/SE	31/S	35/SSE	41/SSE	39/SSE	26/S	14/SSW	28/WNW	49/NW	54/NNW	90/NW	72/NW	46/WNW	37/WNW	27/WNW	18/WNW	28/NW	30/NW	44/NW	45/NW	36/WNW	32/WNW	18/W	9/NE	36	90/NW
08/19	9/ENE	5/ESE	23/S	38/SSE	42/SSE	30/SSE	24/WSW	30/WNW	58/NW	84/NW	100/NW	98/NW	62/NW	31/NW	26/NW	16/NW	9/W	19/SW	15/SW	12/WNW	29/NW	25/WNW	16/W	15/SSW	34	100/NW
08/20	14/S	19/S	29/S	39/S	46/SSE	51/SSE	49/S	31/SSW	30/W	46/NW	62/NW	74/NW	66/NW	55/NW	26/WNW	11/WNW	1/NE	21/SSW	28/S	20/S	15/WNW	15/NNW	16/NW	11/WNW	32	74/NW
08/21	12/SSW	22/S	27/S	27/S	31/S	49/SSE	52/SSE	41/SSE	29/SSW	18/WSW	47/NNW	57/NW	57/NW	46/NW	40/NW	21/WNW	26/SSW	42/SSE	38/SSE	35/SSE	22/SSE	17/W	24/NW	17/NNE	33	57/NW
08/22	6/NE	16/SE	19/S	21/S	33/SSE	42/SSE	58/SSE	66/SSE	52/SSE	24/S	25/WNW	54/NNW	60/NW	52/NW	33/WNW	17/WNW	15/SSW	34/SSE	39/SSE	43/SE	44/SSE	28/SSE	12/W	21/WNW	34	66/SSE
08/23	25/NW	11/NW	14/SSW	10/SSE	10/SSE	18/SSE	22/SSE	44/SSE	47/SSE	32/SSE	10/SSE	2/WSW	27/NW	31/NW	28/WNW	21/W	25/SW	25/SSW	39/SSE	53/SSE	47/SSE	33/SSE	25/W	38/NW	27	54/SSE
08/24	45/NNW	36/NW	29/NW	27/NW	22/NW	17/NW	11/NNW	5/NNE	7/SE	4/NNE	23/NNW	34/NW	38/NW	42/NW	36/WNW	28/WNW	20/WNW	17/SW	38/SSW	46/SSE	42/S	29/S	19/SW	36/WNW	27	46/SSE
08/25	51/NW	43/NW	36/NW	30/NNW	21/NW	20/NW	14/N	7/ENE	9/SSE	9/SSW	3/N	14/NNW	23/N	30/NNW	29/NNW	20/NW	11/NW	11/S	32/S	40/SSE	48/S	39/S	32/S	23/S	25	51/NW
08/26	14/W	30/WNW	39/NW	34/NW	26/NW	14/WNW	9/WNW	8/NNE	10/SSE	17/S	18/S	10/S	4/SW	10/W	7/NNW	10/W	18/SW	21/SSE	32/SSE	36/SSE	45/SSE	59/SSE	60/SSE	50/SSE	24	60/SSE
08/27	34/S	17/SSW	8/S	20/NW	26/WNW	20/NW	9/WSW	26/SSW	20/S	14/SSE	22/SSE	28/SE	22/S	17/S	18/SE	15/SE	17/SSE	22/SSE	41/SSE	40/SSE	53/S	60/SSE	64/SSE	61/SSE	28	64/SSE
08/28	62/SSE	56/SSE	47/SSE	34/SSE	19/S	22/W	9/SW	14/W	10/W	6/W	7/W	10/SW	12/S	16/SSE	28/SSE	35/SSE	33/S	29/SSE	30/SSE	27/S	37/S	54/SSE	65/SSE	68/SSE	30	68/SSE
08/29	79/SSE	77/SSE	71/SSE	63/SSE	45/SSE	27/S	14/WSW	6/SSW	12/SSE	20/S	26/SSE	30/S	31/S	20/S	27/SSE	32/SSE	37/SSE	36/SSE	36/SSE	38/S	38/S	40/SSE	61/SSE	70/SSE	39	79/SSE
08/30	65/SSE	84/SSE	85/SSE	71/SSE	51/SSE	34/SSE	22/W	44/WNW	48/NW	37/NW	36/WNW	36/WNW	27/NW	21/WNW	13/NNE	8/NE	7/ESE	14/ESE	19/SSE	30/SSE	28/SSE	27/SSE	37/SSE	49/SSE	37	85/SSE
08/31	57/S	56/SSE	61/SSE	53/SSE	35/SSE	25/SSE	13/SSW	30/WNW	34/WNW	31/NW	34/NW	19/NW	13/W	11/W	17/SSW	31/S	33/S	26/SSE	36/S	30/S	35/S	38/S	27/SSW	48/S	33	61/SSE
平均值	35	34	34	33	30	29	27	31	33	30	35	36	32	28	23	20	19	22	29	30	33	33	33	35		
最大值	79/SSE	84/SSE	85/SSE	71/SSE	51/SSE	51/SSE	58/SSE	66/SSE	58/NW	84/NW	100/NW	98/NW	66/NW	55/NW	40/NW	35/SSE	37/SSE	43/SSE	44/NW	54/SSE	53/S	60/SSE	65/SSE	70/SSE		

[註 1]: 月平均流速= **30cm/s**, 最大流速= **100m/s**, 其流向爲 **NW**(去向)。流速分佈: **<25cm/s: 42.4%,25~50cm/s: 45.4%,50~70cm/s: 10.4%,75~100cm/s: 1.6%,>100cm/s: .2%**。

[註 2]: 流向分佈: **N~E: 3.4%,E~S: 36.3%,S~W: 20.9%,W~N: 39.5%**, 流向主軸:**SSE-NNW**(佔 **30.6%**), 主流向:**SSE**(佔 **25.4%**)。每小時記錄一次, 本月計 **441**筆 (**59%**), 資料檔名:**C098KHX0.1HA**。

表3.5.10　2009 年 09 月 高雄港測站 X 觀測逐時流速及流向月報表

2009年 **9**月 **1**日 **0**時 **0**分 ~ **2009**年 **9**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
09/01	48/S	52/S	58/SSE	63/SSE	65/SSE	53/SSE	42/SSE	20/SSE	18/WNW	23/NW	30/NNW	29/NW	47/NW	21/NNW	14/NW	11/NW	2/NW	11/SE	17/SSE	15/SSE	12/S	11/S	14/SSE	21/SSE	29	65/SSE
09/02	35/SSE	37/SSE	53/S	55/S	45/S	23/S	11/SSW	31/WNW	39/NW	52/NNW	46/NW	45/NW	42/NW	17/NW	2/ESE	6/E	9/SE	20/S	25/S	11/S	8/SW	10/SSE	15/S	29/SSE	28	55/S
09/03	35/S	33/S	37/S	41/SSE	40/SSE	49/SSE	39/SSE	13/WSW	29/WNW	57/NW	57/NW	53/NW	39/NW	28/NW	24/WNW	14/WNW	3/N	4/ENE	5/E	9/NW	12/WNW	20/WNW	16/WNW	6/WSW	28	57/NW
09/04	7/SE	26/S	26/S	30/SSE	23/S	24/SSW	20/WNW	28/WNW	48/NW	59/NW	70/NW	60/NNW	49/NW	30/NW	32/NW	14/WNW	7/NW	9/SW	14/WSW	23/NW	34/NW	46/NNW	35/NNW	24/WNW	31	70/NW
09/05	4/SW	15/S	26/S	29/S	27/SSE	21/SSE	15/SSW	13/WSW	46/WNW	61/WNW	63/NNW	60/NW	48/NW	44/NW	36/NW	22/NW	4/NNW	16/ESE	33/SSE	32/S	26/SSW	16/W	17/NW	10/NNW	29	63/NNW
09/06	14/S	16/S	29/SSE	32/S	41/SSE	44/SSE	57/SSE	53/SSE	38/S	17/SSW	36/WNW	44/NW	33/NW	25/WNW	6/WSW	2/WNW	7/SSW	25/SSE	28/SSE	35/SSE	28/S	17/S	8/SW	9/NNW	27	57/SSE
09/07	3/WSW	10/S	15/SSE	20/SSE	24/SSE	32/SSE	28/S	31/S	20/S	15/WSW	26/WNW	37/NW	19/WNW	13/WNW	8/SW	29/S	41/SSE	55/SSE	61/SSE	60/SSE	45/SSE	20/S	14/W	30/NW	27	61/SSE
09/08	28/NNW	6/N	8/SE	16/SSE	19/S	18/SSE	24/SSE	30/SSE	26/SSE	13/SSW	7/WNW	25/NW	25/WNW	22/WNW	8/S	35/SSW	49/SSE	62/SSE	63/SSE	47/SSE	38/S	23/S	26/WNW	32/NW	27	63/SSE
09/09	32/NW	27/NW	16/WNW	11/SW	12/SW	26/SSW	19/SSW	13/SSE	4/SE	4/NW	18/NNW	31/NW	34/WNW	31/W	20/W	8/WSW	27/S	44/S	40/SE	47/SSE	37/S	33/S	12/S	27/WNW	24	47/SSE
09/10	41/NNW	39/NW	30/NW	25/WNW	22/W	19/WSW	12/WSW	12/NW	8/NNE	9/NNE	17/NNE	3/NNW	6/NNW	3/SW	12/SSW	30/SSW	29/SSW	41/S	57/SSE	54/SSE	67/SSE	57/SSE	32/S	23/SSE	27	67/SSE
09/11	5/W	43/WNW	28/N	29/NNW	22/NW	19/NW	13/WNW	14/W	17/SW	19/SSW	22/S	13/SE	13/SE	16/SE	23/SE	31/S	40/SSE	54/SSE	71/SSE	75/SSE	73/SSE	63/SSE	61/SSE	48/SSE	34	75/SSE
09/12	25/S	24/WNW	36/WNW	51/NW	46/NNW	28/NNW	15/NNW	12/W	17/WNW	10/WNW	4/WSW	22/SSW	27/ESE	23/SSE	25/SSE	33/SSE	32/SSE	39/SSE	56/SSE	57/S	68/S	65/SSE	64/SSE	61/SSE	35	68/S
09/13	54/SSE	41/SSE	19/SSE	6/WSW	25/NNW	41/NW	30/NNW	14/NNW	20/WSW	20/W	10/SW	19/SSW	24/SW	10/S	10/NE	11/N	16/NW	18/NW	16/NW	8/WNW	5/WSW	12/SSE	25/SSE	22/SSE	20	54/SSE
09/14	19/SSE	10/S	20/WNW	47/NW	72/NW	80/NW	66/NW	44/WNW	33/W	13/WSW	*	30/SW	22/SW	10/SSE	5/ESE	10/ENE	8/NNE	17/WNW	32/WNW	38/WNW	29/W	22/W	14/SSW	34/SSE	29	80/NW
09/15	39/SSE	45/SSE	35/S	19/SW	46/WNW	81/NW	110/NW	105/NW	*	*	28/WNW	19/WNW	21/SW	42/SSW	33/S	28/S	27/S	18/S	12/SSW	6/WSW	11/WSW	12/S	36/S	52/S	38	110/NW
09/16	52/S	59/S	65/SSE	62/S	54/SSE	39/S	22/S	14/W	46/WNW	70/NW	53/NW	*	*	28/S	46/SSE	*	64/SSE	61/SSE	44/SSE	24/S	4/SW	6/W	19/WNW	15/SW	40	70/NW
09/17	9/S	17/SE	29/SSE	37/SSE	44/SSE	36/SSE	20/S	21/W	57/NW	*	71/NW	47/NW	18/W	8/S	30/SSE	*	45/SSE	42/SSE	34/SSW	10/SSW	18/WNW	29/NW	29/WNW	18/W	31	71/NW
09/18	13/SSW	11/SSW	20/S	24/SSE	35/SSE	29/SSE	23/S	18/WNW	44/NW	66/NW	63/NW	58/NNW	25/NW	3/SSE	16/SSE	50/SSE	54/SSE	52/SSE	42/S	26/SW	27/WNW	43/NW	48/NW	37/NW	35	66/NW
09/19	*	10/WSW	20/SSW	*	33/SSE	41/SE	41/SSE	22/S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	28	41/SSE
09/20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09/21	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09/22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	18/ESE	41/SSE	59/SSE	58/SSE	63/SSE	71/SSE	43/S	27/WSW	61/NNW	49	71/SSE
09/24	65/NW	60/NW	45/NW	23/NW	10/WSW	13/SSW	12/SE	21/S	22/S	21/S	20/SW	18/WNW	20/WNW	*	*	24/ESE	33/SE	47/SSE	60/SSE	58/SSE	62/SSE	56/SSE	44/SSE	13/SSW	34	65/NW
09/25	30/NW	55/NW	57/NW	57/NW	41/NW	21/WNW	2/SSW	16/S	19/SE	23/S	26/SSE	23/SSE	20/SSE	14/SE	15/SE	20/SE	32/SSE	47/SSE	61/SSE	74/SSE	80/SSE	75/SSE	66/SSE	47/S	38	81/SSE
09/26	36/SSE	35/WNW	63/NNW	73/NW	57/NW	32/NW	19/W	10/S	23/S	24/S	22/S	23/SSE	31/SE	31/SE	28/SSE	25/SSE	33/S	43/SSE	43/SSE	59/SSE	61/SSE	63/SSE	71/SSE	66/SSE	41	73/NW
09/27	49/SSE	19/S	32/WNW	66/NW	56/NW	47/NW	23/NW	9/SW	15/S	20/S	17/S	20/S	10/SE	15/SE	18/SE	13/SE	19/SE	25/SSE	40/SSE	49/SSE	51/SSE	62/SSE	73/SSE	69/SSE	34	73/SSE
09/28	66/SSE	36/S	19/SSW	28/WNW	30/NW	42/NW	31/NNW	13/NNW	14/SSW	20/SSE	42/SSE	33/SSE	38/SSE	38/SE	35/SE	32/SE	34/SSE	31/SE	35/SE	37/SE	45/SE	60/SSE	63/SE	65/SE	37	66/SSE
09/29	50/SSE	63/SSE	52/SSE	46/SSE	23/SSE	8/SSE	30/WNW	43/WNW	25/S	25/ESE	29/SE	50/SE	46/SE	60/SSE	41/SE	28/SE	17/SE	10/ESE	11/ESE	16/ESE	17/SE	29/SE	51/SSE	52/SSE	34	63/SSE
09/30	58/SSE	63/SSE	64/SSE	60/SSE	49/SSE	40/SSE	25/SE	17/ESE	15/ESE	25/ESE	38/SE	56/SSE	71/SSE	59/SE	64/SSE	54/SE	37/SE	35/SSE	36/SE	23/SSE	16/S	25/S	36/SE	52/SE	42	71/SSE
平均值	33	33	35	38	37	35	29	24	27	29	34	34	30	25	23	23	27	34	38	37	36	35	35	36		
最大值	66/SSE	63/SSE	65/SSE	73/NW	72/NW	81/NW	110/NW	105/NW	57/NW	70/NW	71/NW	60/NNW	71/SSE	60/SSE	64/SSE	54/SE	64/SSE	62/SSE	71/SSE	75/SSE	81/SSE	75/SSE	73/SSE	69/SSE		

[註 1]: 月平均流速= **32cm/s**, 最大流速= **110m/s**, 其流向爲 **NW**(去向)。流速分佈: **<25cm/s: 42.8%,25~50cm/s: 37.7%,50~70cm/s: 18.5%,75~100cm/s: .7%,>100cm/s: .3%**。

[註 2]: 流向分佈: **N~E: 1.7%,E~S: 49.6%,S~W: 17.5%,W~N: 31.2%**, 流向主軸:**SSE-NNW**(佔 **33.1%**), 主流向:**SSE**(佔 **28.6%**)。每小時記錄一次, 本月計 **605**筆 (**84%**), 資料檔名:**C099KHX0.1HA**。

表3.5.11　2009 年 10 月 高雄港測站 X 觀測逐時流速及流向月報表

2009年**10**月 **1**日 **0**時 **0**分 ~ **2009**年**10**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
10/01	53/SSE	58/SE	67/SSE	72/SSE	70/SSE	63/SSE	39/SSE	20/SSE	26/NW	49/WNW	46/WNW	16/WNW	31/ESE	64/SE	70/SE	77/SE	89/SSE	82/SSE	54/SSE	39/SE	28/SE	24/SE	35/SSE	39/SE	51	89/SSE
10/02	48/SSE	54/SSE	67/SSE	69/SSE	72/SSE	58/SSE	37/SSE	24/S	34/WNW	57/NW	57/NW	35/NW	14/WNW	14/S	52/SSE	60/SE	75/SSE	63/SSE	46/SSE	21/S	21/W	34/WNW	37/NW	30/NW	45	75/SSE
10/03	4/NNW	17/SE	32/SE	46/SSE	57/SSE	49/SSE	36/S	20/SW	31/WNW	44/NW	50/NW	46/NW	26/NW	7/SSE	30/S	44/SSE	39/SSE	46/SSE	33/S	16/SW	27/WNW	48/NW	46/NW	34/NW	35	57/SSE
10/04	19/NNW	11/S	20/SSE	28/SSE	40/SSE	34/SSE	31/SSE	16/S	25/WNW	56/NW	61/NW	46/NW	17/NW	27/S	33/SE	41/SE	47/SSE	51/SSE	45/SSE	19/S	34/WNW	61/NNW	53/NW	37/NNW	36	61/NNW
10/05	14/NNW	23/SSE	39/SSE	35/SSE	24/SSE	33/SE	30/SE	3/ESE	42/W	66/NW	53/NW	38/NNW	15/WNW	30/SSW	33/SSE	35/SSE	37/SE	47/SE	41/SSE	20/SSW	35/W	68/NW	62/NW	59/NW	37	68/NW
10/06	32/NNW	34/W	8/SE	29/SSE	28/SE	34/SE	34/SE	16/ESE	7/ESE	39/WNW	48/NNW	33/NNW	22/NW	15/SSW	26/S	43/SSE	35/SSE	55/SE	43/SSE	70/SSE	65/SSE	57/SSE	24/S	38/WNW	35	70/SSE
10/07	64/NW	44/NW	21/NNW	5/WNW	6/SSE	16/SE	11/SE	10/SE	5/WSW	20/WNW	21/NNW	34/NNW	22/NNW	5/NNW	11/SSE	33/S	41/S	46/S	68/SSE	72/SSE	47/S	30/S	24/W	49/NW	29	72/SSE
10/08	67/NW	45/NW	19/NNW	7/SSW	17/SSE	22/SSE	27/ESE	16/SE	13/SSE	10/SE	7/WNW	15/WNW	8/W	4/NNE	8/S	20/S	37/SSE	66/SSE	84/SSE	77/SSE	65/SSE	46/SSE	11/S	42/NW	31	84/SSE
10/09	77/NNW	53/NW	26/NW	13/N	16/S	25/SE	12/ESE	16/ESE	19/SE	19/SE	21/SE	22/SE	19/SE	23/SE	36/SE	46/SSE	64/SSE	64/SSE	71/SSE	63/SSE	56/SSE	43/S	16/SSW	44/WNW	36	77/NNW
10/10	82/NW	82/NW	66/NW	40/NW	12/NW	2/E	30/SSE	12/SSE	*	15/SE	13/ESE	13/E	9/ESE	18/SE	33/SE	39/SSE	42/SSE	55/SSE	59/SSE	59/SSE	61/SSE	57/SSE	48/SSE	30/S	38	83/NW
10/11	29/WNW	51/NW	65/NNW	55/NW	35/NNW	23/NNW	13/N	11/NNE	11/NNE	7/NNE	11/NNE	12/NNE	10/NNE	8/NE	9/ENE	21/ESE	31/SE	33/SE	52/SSE	48/SSE	57/SSE	58/SSE	56/SSE	51/SSE	32	65/NNW
10/12	29/SSW	23/WNW	41/WNW	73/NW	68/NW	51/NNW	31/NNW	17/N	9/NNE	11/NE	9/E	13/E	11/E	14/ENE	15/ENE	15/ESE	16/SE	21/SSE	33/SSE	39/SSE	37/SSE	43/SSE	52/SSE	57/SSE	30	73/NW
10/13	56/SSE	38/SSE	14/SSW	33/WNW	54/NNW	50/NW	42/NW	23/NNW	13/NNW	5/ESE	15/ESE	24/ESE	16/ESE	18/ESE	17/ESE	12/ESE	7/ESE	10/SSE	8/NE	16/SSE	17/SSE	18/SSE	31/SSE	38/SSE	24	56/SSE
10/14	41/SSE	44/SSE	46/SSE	32/SSE	16/SSE	32/WNW	50/NW	33/NW	20/NNW	10/NNW	6/NE	16/SSE	18/ESE	22/ESE	25/ESE	22/ESE	23/SE	23/SE	19/SSE	21/S	16/S	16/S	18/S	34/SSE	25	50/NW
10/15	34/SSE	46/SSE	57/SSE	54/SSE	45/SSE	24/S	24/W	36/NW	32/NNW	13/NW	4/SE	11/SSE	21/SE	28/ESE	34/SSE	32/SSE	28/SSE	27/SSE	19/SSE	2/NE	7/WNW	8/WSW	2/W	10/ESE	25	57/SSE
10/16	17/SSE	20/SE	30/SSE	40/SSE	42/SSE	31/SSE	12/SW	32/WNW	42/NNW	30/NW	29/NW	5/WNW	12/SE	22/SE	39/SE	41/SSE	40/SSE	40/SSE	11/S	25/WNW	39/NW	32/NW	24/NW	14/NNW	28	42/SSE
10/17	3/E	9/SE	19/SE	19/SE	25/SSE	25/S	11/SSW	23/W	28/NNW	39/NW	26/NW	12/NNW	8/S	17/SSE	34/SE	51/SSE	53/SSE	48/SSE	34/S	15/SW	33/WNW	45/NW	48/NW	32/NW	27	53/SSE
10/18	12/NW	7/N	10/SE	19/SSE	25/SE	31/SE	28/SSE	23/S	14/S	21/W	19/WNW	16/NW	4/NNW	16/ESE	38/SE	59/SSE	74/SSE	71/SSE	71/SSE	56/SSE	35/S	33/WNW	56/NW	47/NW	33	74/SSE
10/19	31/NW	8/NNW	9/SSE	19/SE	20/SE	34/SE	28/SSE	25/S	7/S	20/WNW	18/NW	21/NW	11/NW	12/SSW	28/SE	51/SSE	60/SSE	72/SSE	84/SSE	75/SSE	62/SSE	39/SSE	27/WNW	47/NW	34	85/SSE
10/20	55/NW	33/NNW	11/N	6/S	22/SSE	32/SSE	33/SSE	33/SSE	33/S	*	17/W	19/W	11/W	16/WSW	21/SSE	42/SSE	65/SSE	67/SSE	75/SSE	65/SSE	48/SSE	36/SSE	14/SSW	35/WNW	34	75/SSE
10/21	47/NW	44/NW	34/NW	13/NNW	8/NE	14/ESE	18/SSE	19/SE	24/SE	17/SE	13/SE	6/S	5/S	8/SSE	13/SSE	35/SSE	44/SSE	62/SSE	70/SSE	71/SSE	50/SSE	35/SSE	12/SW	46/WNW	29	71/SSE
10/22	58/NW	64/NW	58/NW	39/NW	12/NW	8/E	19/S	20/ESE	13/SSE	9/SSE	1/E	13/WNW	6/W	4/WSW	14/SE	34/SSE	52/SSE	64/SSE	67/SSE	56/SSE	47/S	21/SSW	34/WNW	72/NNW	33	72/NNW
10/23	77/NW	79/NW	69/NW	30/NW	11/W	22/S	32/S	23/S	21/SSE	18/SSE	11/SSE	15/S	8/S	15/SSE	19/SSE	35/SSE	48/SSE	56/SSE	59/SSE	55/SSE	41/SSE	30/S	15/S	34/WNW	34	79/NW
10/24	56/NNW	60/NW	66/NW	57/NW	42/NW	17/WNW	8/SSW	19/SSW	21/S	19/SSE	21/SE	20/SSE	17/SSE	15/SSE	12/S	16/S	23/SSE	29/S	30/SSE	34/SSE	*	*	21/S	*	29	66/NW
10/25	*	*	58/NW	64/NW	54/NW	39/NW	14/WNW	7/SSW	4/S	2/SSE	5/E	8/SE	5/SE	8/NNE	15/N	9/NNW	4/ESE	15/SE	18/SSE	26/SSE	30/SSE	29/SE	28/SE	14/SE	21	64/NW
10/26	11/SW	28/NNW	47/NNW	61/NW	58/NW	48/NW	31/NW	12/WNW	3/SE	5/E	7/ESE	10/SSE	8/SSE	5/SE	2/SE	8/NE	6/NE	15/E	17/ESE	20/SSE	30/SSE	23/SSE	23/SE	18/S	21	61/NW
10/27	14/SW	18/NW	35/NNW	55/NNW	59/NW	43/NW	27/NW	15/NW	2/NNW	5/NW	6/E	12/ENE	15/ENE	16/ENE	14/NNE	9/NE	3/NNW	3/NW	6/SW	6/S	13/S	18/S	16/S	17/SSE	18	59/NW
10/28	16/S	3/SW	8/WSW	24/NNW	53/NW	51/NW	39/NNW	25/NNW	13/WNW	5/W	17/S	17/S	21/SE	15/SSE	15/SSE	10/SE	9/SE	6/SSE	3/ENE	3/E	8/SSE	15/SSE	14/SE	19/SSE	17	53/NW
10/29	16/SSE	8/S	5/SW	12/NW	23/NNW	31/NNW	32/NW	26/NW	17/NNW	7/N	3/E	9/SE	12/ESE	15/SE	17/SE	16/SE	13/SE	7/SSE	3/SSE	6/WNW	2/WNW	2/ESE	4/SE	8/SE	12	32/NW
10/30	11/SE	13/SSE	7/S	1/SE	12/NNW	24/NNW	33/NNW	32/NW	22/NW	17/NW	3/NNE	9/ESE	12/ESE	21/SE	25/SE	23/SSE	22/SSE	8/S	4/WSW	12/WSW	6/NW	10/NW	7/N	5/NNE	14	33/NNW
10/31	7/NW	5/W	4/S	5/WSW	15/NW	*	*	*	35/NW	26/NW	13/NW	8/NW	4/WNW	6/SE	11/ESE	23/ESE	19/SE	21/SSE	12/S	15/WSW	11/NW	19/N	11/NNW	9/NW	13	35/NW
平均值	36	34	34	34	34	32	27	20	20	22	20	19	14	16	24	32	37	41	40	36	34	33	28	34		
最大值	83/NW	82/NW	69/NW	73/NW	72/SSE	63/SSE	50/NW	36/NW	42/W	66/NW	61/NW	46/NW	31/ESE	64/SE	70/SE	77/SE	89/SSE	82/SSE	85/SSE	77/SSE	65/SSE	68/NW	62/NW	72/NNW		

[註 1]: 月平均流速= **29cm/s**, 最大流速= **89m/s**, 其流向爲 **SSE**(去向)。流速分佈: **<25cm/s: 51.2%,25~50cm/s: 31.5%,50~70cm/s: 15.7%,75~100cm/s: 1.6%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 5.3%,E~S: 54.5%,S~W: 8.2%,W~N: 32.0%**, 流向主軸:**SSE-NNW**(佔 **37.2%**), 主流向:**SSE**(佔 **29.8%**)。每小時記錄一次, 本月計 **734**筆 (**99%**), 資料檔名:**C09AKHX0.1HA**。

港灣技術研究中心

表3.5.12　2009 年 11 月 高雄港測站 X 觀測逐時流速及流向月報表

2009年**11**月 **1**日 **0**時 **0**分 ~ **2009**年**11**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
11/01	4/NW	2/ESE	4/SSE	6/SSE	8/SE	4/SSE	2/NNE	7/NNW	9/NNW	7/NNW	10/NNE	10/E	4/E	16/ESE	27/SE	44/SE	46/SE	44/SSE	40/SSE	19/SSE	11/WNW	31/NW	31/NW	29/NW	17	46/SE
11/02	20/NW	10/NW	4/SSW	8/SSE	14/SSE	8/SSE	7/SE	5/ESE	14/WNW	18/NW	18/NW	10/NW	9/WSW	10/SW	9/S	14/SSE	15/SE	11/ESE	2/N	20/NW	53/NW	69/NW	80/NW	66/NW	21	80/NW
11/03	45/NW	28/NW	20/NW	10/NW	11/NW	10/NW	20/NW	30/NNW	33/NW	36/NW	22/NW	16/WNW	6/SSW	15/S	22/SSE	18/SSE	11/SSE	14/W	34/NW	70/NNW	94/NW	86/NW	75/NW	40/NW	32	94/NW
11/04	24/WNW	17/W	8/W	13/SSW	18/SSW	19/S	16/SSE	13/SE	3/SSW	16/WSW	8/W	5/SSW	28/SE	38/SSE	51/SSE	60/SSE	58/SSE	49/SSE	38/SSE	22/S	19/WNW	55/NNW	59/NW	56/NW	29	60/SSE
11/05	35/NW	19/NW	2/WNW	19/SSW	27/S	20/SSE	18/SSE	14/SSE	17/SE	18/SE	16/SE	18/SE	24/SE	42/SSE	57/SSE	77/SSE	70/SSE	71/SSE	64/SSE	52/SSE	41/SSE	17/SSE	15/WNW	43/NW	33	77/SSE
11/06	49/NW	37/NW	25/NW	13/NW	2/N	11/SSW	12/SE	9/SSE	14/SE	16/SSE	12/SSE	17/SE	24/SE	30/SE	39/SE	58/SSE	56/SSE	63/SSE	65/SSE	53/SSE	45/SSE	34/SSE	14/S	34/WNW	30	65/SSE
11/07	48/NW	44/NW	30/NW	20/NW	9/W	16/S	14/S	13/SSE	16/SE	10/SE	11/SSE	12/SE	11/ESE	14/SE	23/SE	34/SE	49/SSE	63/SSE	64/SSE	70/SSE	62/SSE	56/SSE	40/SSE	23/SSE	31	70/SSE
11/08	8/SW	25/NW	33/NW	24/NNW	15/NW	2/ESE	12/SSE	17/SE	18/SE	36/SE	50/SE	39/SE	47/SE	50/SE	64/SE	61/SE	57/SSE	63/SSE	69/SSE	71/SSE	76/SSE	80/SSE	70/SSE	61/SSE	44	80/SSE
11/09	43/SSE	17/S	27/WNW	45/NW	38/NNW	20/NNW	6/NNW	14/SSW	22/SSE	20/SSE	32/SSE	37/SE	30/SE	30/SSE	29/SE	40/SE	38/SE	32/SSE	42/SSE	47/SSE	55/SSE	61/SSE	51/SSE	50/SSE	34	61/SSE
11/10	44/SSE	33/SE	31/SE	13/SSW	32/NW	39/NW	44/NW	24/NNW	2/NW	15/SE	27/SSE	36/SSE	48/SSE	49/SSE	51/SE	49/SSE	43/SSE	35/SSE	33/SSE	33/SSE	45/SSE	56/SSE	58/SSE	63/SSE	38	63/SSE
11/11	65/SSE	59/SSE	39/SSE	22/SSE	22/WNW	35/NW	37/NW	26/NW	9/NNW	5/SSE	29/SE	44/SE	49/SE	63/SSE	63/SSE	56/SSE	43/SSE	36/SSE	28/SSE	27/SSE	23/SE	41/SE	41/SSE	38/SSE	38	65/SSE
11/12	40/SSE	40/SSE	36/S	27/S	14/S	10/W	14/NNW	15/NNW	8/WNW	27/SSE	24/SE	37/SSE	39/SE	70/SE	73/SSE	76/SE	69/SSE	49/SSE	38/SSE	25/SSE	19/SSE	11/SSE	15/SSE	25/S	33	76/SE
11/13	34/SSE	28/SSE	30/S	18/SSE	12/SSW	3/W	7/NNW	16/WNW	11/NW	6/S	22/SSE	23/SSE	29/SSE	44/SSE	46/SSE	64/SSE	63/SSE	59/SSE	51/SSE	42/SE	24/SSE	8/W	8/SSW	14/S	28	64/SSE
11/14	31/SSE	25/SSE	37/SSE	32/SSE	19/SSE	5/SSW	12/W	5/N	7/N	3/NNW	5/S	10/SSE	24/SE	31/SE	51/SSE	58/SSE	62/SSE	54/SSE	43/SSE	17/SSE	36/NW	35/NW	28/NNW	24/NW	27	62/SSE
11/15	17/NNW	11/NNW	10/NNE	8/NNE	8/N	16/N	29/N	32/NNW	27/NNW	19/NNW	10/N	11/NNE	13/E	24/SE	40/SE	52/SSE	44/SSE	25/S	20/SSW	26/WNW	42/NNW	45/NW	34/NW	18/NW	24	52/SSE
11/16	9/NNW	2/SW	11/SSE	16/SE	16/ESE	9/SE	6/SSE	1/SSW	5/WSW	5/WSW	6/S	5/S	14/SE	30/SE	41/SSE	55/SSE	68/SSE	62/SSE	46/SSE	28/SSE	16/WSW	26/WNW	34/NNW	26/NW	22	68/SSE
11/17	16/NW	9/NW	13/S	20/SSE	22/SE	15/SE	14/SE	11/SE	12/ESE	9/ESE	9/SE	13/ESE	9/SE	7/SSW	14/SSE	27/SSE	43/SSE	60/SSE	54/SSE	36/SSE	21/SSW	37/WNW	46/NW	45/NW	23	61/SSE
11/18	49/NW	37/NW	17/NNW	2/NNE	11/ESE	18/SSE	16/ESE	17/SE	5/SE	7/SE	3/S	3/E	4/ENE	5/NW	4/ESE	12/ESE	16/SE	27/SSE	28/SSE	16/S	13/WSW	55/NW	80/NW	79/NW	22	80/NW
11/19	65/NW	43/NW	22/NW	3/WSW	13/SSE	34/S	29/SE	26/SSE	25/SE	27/SSE	24/SSE	24/SSE	21/SSE	31/SSE	32/SSE	42/SSE	53/SSE	57/SSE	59/SSE	49/SSE	32/S	10/W	50/WNW	60/NW	35	65/NW
11/20	65/NW	50/NW	34/NW	20/NNW	4/NNW	4/SSE	11/SE	15/SE	17/ESE	25/SE	28/SE	39/SSE	46/SSE	41/SSE	38/SSE	30/SSE	28/SSE	34/SSE	43/SSE	48/SSE	46/SSE	29/SSE	17/SW	36/WNW	31	65/NW
11/21	55/NW	63/NW	50/NW	37/NW	19/NW	4/WSW	11/SSE	22/SSE	21/SE	22/SE	25/SSE	25/SSE	25/SSE	28/SSE	25/SSE	23/SSE	20/SSE	17/SSE	19/SSE	28/SSE	32/SSE	27/SSE	8/SW	30/NNW	27	63/NW
11/22	69/NW	89/NW	78/NW	46/NW	26/NW	8/NW	5/SSE	18/S	27/S	25/SSE	24/SSE	21/SSE	28/S	31/SSE	31/SSE	24/SSE	28/SSE	30/SSE	32/SSE	39/SSE	42/SSE	28/SSE	12/SSW	19/NW	33	89/NW
11/23	38/NNW	66/NW	69/NW	55/NW	38/NW	24/NW	12/NW	5/SE	9/SSE	11/SSE	16/SSE	18/SSE	20/ESE	24/SE	24/SSE	23/SSE	17/SSE	*	*	*	*	*	*	*	28	69/NW
11/24	*	*	*	53/NW	43/NW	*	10/NW	4/WNW	10/S	8/SSE	12/SE	13/ESE	20/SE	24/SE	25/SSE	28/SSE	30/SSE	29/SSE	22/S	23/SSE	25/SSE	39/SSE	34/SSE	29/SSE	24	53/NW
11/25	25/S	10/W	26/NW	27/NW	32/NW	23/NNW	18/NNW	6/N	4/NNW	3/SSW	4/ESE	*	14/ESE	16/ESE	18/SE	22/SE	30/SE	31/SE	23/SSE	19/SSE	18/SSE	19/SSE	20/SSE	21/SE	19	32/NW
11/26	24/SSE	10/S	6/W	23/NW	29/NNW	29/NNW	22/NW	10/NNW	2/SSE	5/E	9/SE	15/SE	16/ESE	15/SE	16/SSE	23/SE	22/SSE	19/SSE	15/SSE	9/SSE	5/S	3/S	3/ESE	10/SE	14	29/NNW
11/27	11/SSE	11/SE	4/SE	7/NW	20/NNW	24/NW	26/NW	26/NNW	11/NNW	5/NNE	3/E	8/SSE	12/SE	24/SE	27/SE	45/SE	*	37/SSE	24/SSE	15/S	5/SSW	11/W	11/NW	9/NNW	16	45/SE
11/28	7/NNW	12/NNW	20/NW	24/NNW	31/NNW	32/NNW	26/NW	16/NNW	8/NNW	7/NE	7/ESE	11/ESE	11/SE	18/SE	27/SSE	34/SE	37/SSE	37/SSE	23/S	9/SW	17/W	19/NNW	12/N	12/NNW	19	37/SSE
11/29	4/WNW	3/WNW	4/WNW	4/NW	12/NNW	24/NNW	22/NNW	21/NW	21/NW	16/NNW	1/W	6/E	8/SE	12/SE	19/SE	25/SE	32/SSE	24/S	12/SSW	13/W	26/NNW	35/NW	38/NW	31/NW	17	38/NW
11/30	21/NW	14/NNW	5/N	4/E	3/WNW	8/NW	15/NNW	14/NNW	15/NNW	9/N	6/N	5/SE	5/SSE	17/SSE	24/SSE	26/SSE	29/SSE	22/SSE	12/SW	29/NNW	55/NW	57/NW	53/NNW	32/NNW	20	57/NW
平均值	33	28	24	21	19	16	17	15	14	15	16	18	21	28	34	40	41	40	36	33	34	37	36	35		
最大值	69/NW	89/NW	78/NW	55/NW	43/NW	39/NW	44/NW	32/NNW	33/NW	36/NW	50/SE	44/SE	49/SE	70/SE	73/SSE	77/SSE	70/SSE	72/SSE	69/SSE	71/SSE	94/NW	86/NW	80/NW	79/NW		

[註 1]: 月平均流速= **27cm/s**, 最大流速= **94m/s**, 其流向爲 **NW**(去向)。流速分佈: **<25cm/s: 55.0%,25~50cm/s: 31.8%,50~70cm/s: 11.5%,75~100cm/s: 1.7%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 2.5%,E~S: 58.3%,S~W: 8.3%,W~N: 30.8%**, 流向主軸:**SSE-NNW**(佔 **44.4%**), 主流向:**SSE**(佔 **35.8%**)。每小時記錄一次, 本月計 **707**筆 (**98%**), 資料檔名:**C09BKHX0.1HA**。

港灣技術研究中心

3.6　2009年花蓮港逐時流速及流向月報表

表3.6.1　2007 年 12 月 花蓮港測站 X 觀測逐時流速及流向月報表

2007年**12**月 **1**日 **0**時 **0**分 ~ **2007**年**12**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
12/01	9/NE	8/SSW	7/NW	11/S	9/SE	8/N	6/NNE	3/ENE	4/NNW	6/NNW	9/NNE	8/NNE	8/ENE	11/ESE	8/SE	7/SE	4/ESE	9/SE	9/NE	5/N	6/W	21/WNW	13/NW	10/NE	8	21/WNW
12/02	18/E	8/NNE	7/ENE	10/ENE	6/ESE	4/ENE	7/E	15/ESE	6/E	17/NE	16/ENE	5/ESE	13/NNE	13/NE	15/NE	13/NE	23/N	25/NNE	22/NNE	34/NNE	24/NE	11/NNE	11/NE	15/ENE	14	34/NNE
12/03	12/S	16/NNW	13/N	19/N	15/NNE	10/NNW	8/W	7/WNW	15/WNW	14/W	6/W	28/W	28/W	20/W	26/WSW	14/SSW	18/WSW	18/WSW	20/WSW	15/SW	17/WSW	16/SW	13/SW	3/SW	16	28/W
12/04	10/SW	10/ENE	8/ESE	14/SE	9/ESE	6/ESE	10/SW	18/ESE	10/SE	9/ESE	7/E	6/SSE	10/SE	13/ESE	19/E	13/SE	9/SSE	7/E	5/SW	12/SW	12/SSW	18/SSW	10/SSW	11/SSE	11	19/E
12/05	9/NW	5/SSE	5/SSW	3/SSW	8/S	8/WSW	13/SSW	7/S	9/S	8/S	10/SSE	4/NW	11/ENE	7/ESE	10/SE	9/SSE	12/ESE	10/SSE	11/ESE	6/W	5/S	13/S	15/WSW	12/S	9	15/WSW
12/06	18/WSW	13/WSW	8/W	19/WNW	13/WSW	14/SE	9/SSW	16/SE	7/SW	13/W	9/SSW	7/SSE	14/ESE	4/SW	14/ESE	8/SE	5/ESE	4/E	8/NW	10/WNW	20/W	9/W	5/WSW	12/E	11	20/W
12/07	17/ESE	14/ESE	10/NNE	18/ENE	20/ENE	3/WNW	15/WNW	10/SW	9/SE	12/SE	10/ESE	6/WNW	10/NE	10/NW	11/NW	18/N	7/N	14/WNW	34/W	23/WSW	21/SW	19/SSE	23/SSE	22/SSE	15	34/W
12/08	14/SSE	11/S	7/SSW	12/SE	4/SSW	8/SW	4/SSW	4/SSE	9/S	10/S	11/SE	10/S	15/S	5/SSW	15/ESE	14/SSE	18/ENE	17/E	4/ESE	17/S	13/WSW	11/SSW	10/SSW	10/S	10	18/ENE
12/09	7/SSE	15/ESE	7/SSE	11/S	5/S	8/SSW	14/WSW	22/W	11/SW	19/WSW	15/SSW	18/SW	21/E	18/SSE	11/ESE	16/SE	16/ESE	19/SE	14/ESE	8/SSE	3/SE	4/WSW	10/SW	3/NNW	12	22/W
12/10	10/ENE	17/ESE	12/SSE	14/SE	13/SE	8/ESE	13/ESE	17/E	18/E	10/SE	6/ESE	14/ESE	17/E	14/ENE	12/SSE	5/E	11/ENE	9/ENE	14/NNE	25/N	18/NNW	7/WNW	3/N	1/SSW	12	25/N
12/11	7/N	3/WNW	9/NNW	11/NNE	18/NE	15/ENE	7/SSE	11/NE	11/W	7/W	13/WNW	19/W	4/S	10/W	18/W	29/WNW	18/NW	5/NNW	27/WSW	44/W	36/SW	21/WSW	17/S	21/S	16	44/W
12/12	8/SE	7/ENE	8/SE	17/ESE	12/E	22/ESE	22/NE	6/E	51/WSW	16/W	23/WSW	23/S	21/SSE	12/SE	6/S	4/ESE	22/E	17/E	13/E	19/W	37/WSW	27/SW	11/SSE	19/ESE	18	51/WSW
12/13	12/S	12/WNW	11/E	9/SE	8/SSE	8/SSE	17/SE	13/WSW	12/NW	24/WSW	21/SW	16/S	17/SSE	18/SSW	11/SW	10/WSW	19/SW	29/SW	27/SW	45/SW	29/WSW	16/SW	15/SSW	22/S	18	45/SW
12/14	22/SSE	9/S	22/SE	27/SSE	15/S	15/SE	18/ESE	13/ESE	8/ESE	7/ESE	6/ESE	13/SSE	13/SW	26/WSW	17/SSW	17/SW	20/SSE	23/S	18/S	20/SSW	3/SW	12/SSE	21/E	8/SSW	16	27/SSE
12/15	24/SE	13/S	38/WSW	41/SW	20/SSW	27/SSW	22/S	15/SSE	18/SE	11/SSE	13/ENE	18/E	21/ENE	14/ENE	18/ENE	23/E	19/E	5/N	7/NNW	9/N	15/NNW	30/SW	25/WSW	14/SSE	19	41/SW
12/16	8/SE	26/SE	12/SSE	25/SSW	56/SW	27/WSW	22/SW	23/SSE	19/SE	7/SSE	18/SW	13/S	11/E	19/E	37/SW	16/WSW	14/S	11/SW	14/S	11/S	14/E	13/ESE	7/SSW	15/SSE	18	56/SW
12/17	15/E	19/E	21/SE	13/E	14/S	26/SW	11/NW	13/NNE	4/NNW	10/WSW	8/W	7/E	9/E	11/NNE	6/N	4/SE	15/NE	14/E	24/ENE	31/ENE	24/E	14/ENE	18/WNW	48/SW	16	48/SW
12/18	43/WSW	31/SW	18/SSE	26/SE	16/SE	24/WSW	42/SW	31/WSW	18/SSE	13/SSE	14/SSE	14/SE	9/E	14/SE	16/SE	15/E	7/E	10/E	9/ENE	16/NNE	15/S	6/WNW	28/W	15/SSW	19	43/WSW
12/19	9/SSW	19/SSE	22/SE	17/ESE	7/NNE	13/SSE	16/SSW	26/WSW	14/SSW	28/S	14/SSW	24/ESE	18/SSE	15/SSW	15/SW	16/ESE	9/ESE	16/E	14/ESE	18/SE	18/S	5/SSE	19/SW	11/S	16	28/S
12/20	23/SE	14/SSE	14/SSE	12/SE	20/SSE	12/SSW	19/SE	14/SSE	24/SE	23/S	20/S	13/SSW	22/SW	19/SW	18/SW	16/W	21/SSW	17/SW	12/S	15/S	19/S	26/WSW	18/SW	13/S	18	27/WSW
12/21	19/SSE	13/SSE	7/SSE	17/E	17/E	18/ENE	11/ESE	24/NE	12/E	13/ENE	3/WSW	15/SSE	8/S	18/NNW	27/N	22/N	6/NNW	22/SW	25/WSW	15/SW	10/WNW	14/SSW	15/S	17/SW	15	27/N
12/22	8/WNW	7/W	12/SW	13/ENE	27/W	31/WSW	46/WSW	57/WSW	46/SW	32/SSW	11/SSW	28/SW	13/SW	15/SE	14/SE	3/SSW	7/ESE	37/WSW	31/SW	21/S	30/SSE	17/SSE	17/S	17/SSW	22	57/WSW
12/23	17/SSE	9/S	10/SE	26/S	14/SSE	19/SW	10/WSW	24/SSW	13/S	9/S	19/SSE	24/SSE	19/ESE	15/ESE	10/SE	13/NE	7/ENE	11/NNW	30/WSW	43/SW	28/SW	16/SW	21/SW	39/SSW	19	43/SW
12/24	17/SSW	18/S	14/SSE	11/SW	13/WSW	21/SW	19/S	12/S	13/S	3/ESE	15/SSE	9/SSE	11/ESE	15/SSE	11/SSE	18/ESE	8/SE	13/S	10/W	21/S	18/SSE	19/S	15/SSW	17/SSW	14	21/SW
12/25	17/S	17/S	20/S	10/SSE	8/SE	13/W	13/SSW	15/SSW	15/SSW	20/SSW	15/SSW	21/WSW	12/SE	16/SE	14/SE	10/SE	14/ESE	7/ESE	26/ENE	7/N	16/NW	14/WNW	35/WSW	38/WSW	16	38/WSW
12/26	43/SW	31/SW	29/S	24/SSE	6/SSE	4/S	32/ESE	9/S	10/SE	11/S	11/SE	9/E	18/E	12/ESE	14/SSE	13/SSE	13/SE	15/ENE	16/ENE	9/NNE	9/SSE	12/SSE	24/W	52/WSW	18	52/WSW
12/27	23/SW	7/SSW	11/NNW	20/NE	16/NE	9/NE	18/NNW	19/W	14/NE	17/N	9/NW	20/NW	18/N	3/SW	11/E	15/SSW	26/SSE	12/S	13/E	10/SE	17/SW	43/W	48/WSW	32/SW	18	48/WSW
12/28	18/SSW	10/SSW	18/E	19/E	13/ENE	11/E	7/ENE	7/S	3/NE	10/SE	3/W	5/ESE	4/WNW	18/E	17/E	14/E	12/ESE	12/SSE	8/SE	8/S	9/NW	5/N	27/W	32/SW	12	32/SW
12/29	20/SSW	22/S	25/SSW	15/WSW	3/W	21/SSW	21/SSW	10/SW	11/SSE	9/S	4/NW	5/SSE	9/SW	18/S	14/SW	14/S	13/SSE	10/SE	2/S	10/S	6/E	7/S	35/WSW	20/SSW	13	35/WSW
12/30	25/SSW	28/SSW	18/SE	18/SSE	17/SSE	10/ESE	10/SE	9/ESE	10/SE	9/S	5/SSE	7/SE	5/ESE	6/SSE	13/SE	7/SE	12/SE	11/ESE	12/SSE	13/SSE	12/SSE	12/SE	9/E	15/SSE	12	28/SSW
12/31	22/SSE	12/SE	16/S	17/SSE	17/SE	14/SSE	13/SSE	19/SSE	14/SE	10/SE	13/SE	9/SSE	19/SE	15/ESE	7/S	10/SSW	8/W	14/SSW	15/WNW	15/WNW	29/ESE	19/ESE	30/SE	9/W	15	30/SE
平均值	17	14	14	17	14	14	16	16	14	13	12	14	14	14	15	13	13	14	16	18	17	15	18	19		
最大值	43/SW	31/SW	38/WSW	41/SW	56/SW	31/WSW	46/WSW	57/WSW	51/WSW	32/SSW	23/WSW	28/W	28/W	26/WSW	37/SW	29/WNW	26/SSE	37/WSW	34/W	45/SW	37/WSW	43/W	48/WSW	52/WSW		

[註 1]: 月平均流速= **15cm/s**, 最大流速= **57m/s**, 其流向爲 **WSW**(去向)。流速分佈: **<25cm/s: 89.8%,25~50cm/s: 9.7%,50~70cm/s: .5%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 13.8%,E~S: 42.9%,S~W: 32.9%,W~N: 10.3%**, 流向主軸:**SSE-NNW**(佔 **14.5%**), 主流向:**SSE**(佔 **12.4%**)。每小時記錄一次, 本月計 **744**筆 **(100%)**, 資料檔名:**C07CHLX0.1HA**。

港灣技術研究中心

名:C081HLX0.1HA。

表3.6.2　2008 年 01 月 花蓮港測站 X 觀測逐時流速及流向月報表

2008年 **1**月 **1**日 **0**時 **0**分 ～ **2008**年 **1**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
01/01	13/W	9/SE	27/E	31/E	22/E	33/E	31/ESE	11/E	12/ESE	8/SSE	8/ENE	13/SSW	11/SE	4/ESE	10/E	10/SE	9/SE	13/SSE	9/ESE	16/ESE	16/SSE	9/SSW	36/W	28/W	16	36/W
01/02	32/W	28/WNW	21/W	14/W	6/W	24/WSW	21/WSW	23/WSW	26/WSW	33/SW	22/WSW	13/W	17/WNW	12/W	19/WSW	22/WSW	17/WSW	12/W	14/W	6/SW	7/WSW	13/SW	5/S	21/NNW	18	33/SW
01/03	28/WNW	18/SW	21/W	21/W	20/SW	4/SSW	5/SSE	15/SSE	6/E	8/WNW	24/NW	13/NNW	11/NNW	11/N	12/ENE	9/SE	22/WSW	20/SW	17/S	23/SW	28/S	29/WSW	11/NW	9/ENE	16	30/WSW
01/04	4/ESE	24/ESE	20/ENE	6/SSE	9/NE	22/S	21/NW	14/ESE	11/ESE	16/E	11/E	17/NE	26/SSE	19/E	20/NE	17/S	11/SE	27/SSE	30/E	15/ESE	29/SW	20/SSW	32/NW	18/S	18	32/NW
01/05	31/S	13/S	8/S	5/NNW	21/ESE	20/E	42/E	41/NE	25/E	26/E	21/NNW	10/WSW	23/NNE	9/E	20/NE	21/ENE	15/NNW	46/WSW	68/SW	31/SW	21/SSW	42/SW	24/SW	8/S	25	68/SW
01/06	13/WSW	19/SSW	17/E	29/E	12/E	20/WSW	25/SW	21/WSW	12/SW	22/SSW	7/ESE	25/SSE	31/ESE	22/E	8/E	21/E	20/ESE	51/WSW	58/WSW	25/SW	25/WSW	17/WSW	17/SW	14/ENE	22	59/WSW
01/07	23/ENE	18/NNE	15/E	11/ESE	18/ESE	27/SE	12/S	19/ESE	26/ENE	20/SSE	8/ENE	13/NE	12/ENE	15/ENE	20/ENE	18/E	7/E	22/S	37/WSW	48/SW	20/SW	30/SSW	18/SSE	24/SW	20	48/SW
01/08	11/S	18/SSW	4/E	16/SSE	10/S	16/NW	12/S	23/SSE	14/SE	16/SSE	5/SW	26/E	20/E	6/N	7/E	16/NE	7/E	17/N	7/N	40/WSW	30/SW	10/S	20/SSE	10/E	15	40/WSW
01/09	16/E	21/E	25/ESE	25/E	9/NNE	16/SSE	23/E	36/E	9/S	8/NNW	12/NW	11/NNE	16/NNE	14/E	12/E	19/E	14/E	8/N	18/NE	2/WSW	39/WSW	26/SW	17/WSW	13/SSE	17	39/WSW
01/10	11/SE	15/NE	17/E	19/E	34/SE	16/SE	16/E	18/SSE	56/WSW	33/W	14/SW	9/WSW	6/SE	12/ENE	16/ENE	16/ENE	19/E	25/ENE	19/ESE	6/SSE	25/NE	8/NNW	13/SW	7/S	18	56/WSW
01/11	9/SE	5/NW	19/E	13/ENE	18/ESE	13/ENE	29/N	13/ESE	28/ENE	14/ENE	16/ENE	11/SSE	10/SE	11/N	13/NNW	13/NNW	13/NE	17/E	23/ESE	10/E	11/ENE	62/SW	64/WSW	17/S	19	64/WSW
01/12	20/SSE	21/SE	4/SE	6/E	13/ESE	18/E	6/W	15/SE	21/WSW	59/WSW	39/WSW	23/S	19/SSE	23/SE	24/ESE	21/E	21/SE	42/ESE	31/SSW	44/W	66/WSW	57/SW	32/S	27/SSE	27	66/WSW
01/13	30/E	9/WSW	13/SE	24/SE	22/SE	7/SSE	6/ENE	18/SW	12/WSW	14/SSE	19/SE	8/SSW	10/S	10/SSW	10/SW	11/W	18/ESE	22/E	14/E	10/S	8/SSE	8/S	19/ENE	28/E	15	30/E
01/14	26/ESE	25/ESE	24/ESE	14/SE	14/SE	20/SE	27/SSE	20/SE	10/SE	7/SSE	14/ESE	7/NE	7/NNE	1/N	10/ENE	11/ESE	19/SE	15/ESE	29/ENE	19/ENE	51/NNE	49/N	15/NW	31/WNW	19	51/NNE
01/15	36/W	21/WNW	14/W	37/NNE	32/N	28/N	53/NE	32/NE	44/NNE	35/N	24/N	13/NNW	20/NW	15/NW	10/NNE	11/ESE	16/ESE	11/WNW	19/WSW	7/SE	16/E	17/N	11/W	24/W	23	53/NE
01/16	37/W	37/WSW	13/SW	5/S	19/S	8/W	10/W	5/NNW	18/NW	20/WNW	29/WNW	55/WSW	63/WSW	48/WSW	37/SW	31/W	33/W	32/W	36/WSW	51/WSW	38/W	34/W	27/WSW	37/WSW	30	63/WSW
01/17	49/WSW	48/WSW	24/WSW	13/SSW	17/WSW	19/WSW	12/WSW	9/SSW	10/W	11/WSW	11/SW	7/SW	22/WSW	22/WSW	11/WSW	10/W	17/ENE	7/WNW	16/WNW	10/N	8/N	36/WNW	20/W	7/WSW	17	49/WSW
01/18	16/WSW	26/W	16/WSW	15/WSW	18/W	7/NW	13/WNW	33/NW	22/NW	12/WSW	8/NE	28/N	14/WSW	17/W	44/W	56/WSW	29/WSW	32/SW	20/SW	23/SSW	15/S	13/SE	24/ESE	12/E	21	56/WSW
01/19	18/E	16/ESE	7/NW	12/SW	22/WNW	19/WNW	7/N	12/S	13/E	14/NW	11/ENE	33/ENE	6/ESE	11/NNE	6/NE	4/SE	20/NW	9/N	18/W	41/WSW	17/WSW	20/WSW	14/W	4/WSW	15	42/WSW
01/20	6/S	11/SE	8/ESE	8/SSE	5/NW	25/SW	19/WSW	17/W	11/WSW	13/W	22/SE	10/ESE	10/SE	9/ESE	16/ENE	7/NNW	21/WNW	30/WSW	56/WSW	33/SW	24/SW	17/SW	4/NNE	7/E	16	56/WSW
01/21	4/E	10/E	12/ESE	2/N	4/WNW	17/ENE	17/SE	16/E	8/ESE	16/ESE	26/E	18/ESE	16/ESE	20/ESE	7/E	7/NNW	9/SW	39/WSW	8/WSW	19/SSW	13/S	10/SSW	12/SSW	10/SE	13	39/WSW
01/22	9/WSW	11/SE	11/ESE	4/S	22/E	8/WNW	15/WSW	27/WSW	14/SSW	16/SSW	22/S	13/SSE	22/SSE	29/E	27/SE	18/ESE	25/E	20/W	55/SW	46/SW	31/SSW	24/SSW	10/SSW	12/S	21	55/SW
01/23	13/SSW	29/WSW	8/NW	9/WSW	21/E	27/SW	26/W	23/SSW	27/SW	17/SSW	10/WSW	23/S	9/SSW	11/SW	18/ENE	26/ENE	36/E	12/NNE	16/WSW	47/WSW	46/WSW	33/SW	25/WSW	28/WSW	23	47/WSW
01/24	30/SW	24/SW	19/SW	20/SW	7/WSW	13/WSW	15/NW	60/WSW	48/W	32/WNW	30/W	21/W	19/WSW	25/WSW	15/WNW	14/ENE	11/ENE	30/NNE	24/NNW	40/WNW	49/W	64/WSW	37/WSW	29/SW	28	64/WSW
01/25	35/SW	35/SW	36/SW	20/SSE	16/W	30/W	7/W	20/SW	28/SW	14/SW	12/ESE	24/SSW	12/W	16/SW	7/N	8/WSW	13/NNE	11/NNE	13/N	13/NE	34/W	76/WSW	48/WSW	32/SW	23	76/WSW
01/26	22/SW	22/SSW	13/SW	14/ENE	25/E	41/ESE	15/SSE	23/WSW	67/WSW	31/WSW	35/SW	19/S	16/S	19/SSW	12/SW	12/E	37/ENE	21/ESE	19/ESE	47/E	20/WSW	80/W	66/SW	45/SW	30	80/W
01/27	35/SW	26/SW	32/SW	35/SW	19/SSW	6/SSW	5/E	22/ESE	21/SE	4/SE	9/SSW	9/W	10/WSW	11/SW	21/W	14/WSW	7/SSW	13/NNW	15/NW	21/WNW	25/W	64/WSW	42/SW	38/SW	21	64/WSW
01/28	34/WSW	29/WSW	25/WSW	15/S	14/ENE	11/SE	17/WSW	12/SW	4/SSW	8/NW	11/W	28/WSW	17/SW	12/SW	3/SSE	16/S	17/ESE	11/ESE	22/E	16/E	17/WNW	33/WSW	32/WSW	25/SSW	18	34/WSW
01/29	27/SW	20/WSW	16/SSW	11/SSE	22/W	10/W	13/SSW	6/ESE	38/SE	13/SW	26/SW	20/SSW	23/SW	31/SW	21/SSW	16/SSE	12/E	17/ESE	37/E	5/SW	26/WSW	27/W	44/WNW	45/W	22	45/W
01/30	55/W	32/W	33/WSW	25/SW	22/SW	19/SSW	4/WNW	6/E	13/N	6/NNE	12/NW	22/WNW	12/WSW	29/WSW	29/SW	21/WSW	16/SW	14/SSE	15/ESE	19/ESE	15/SE	12/SW	31/WSW	42/WSW	21	55/W
01/31	54/WSW	45/WSW	20/WNW	45/WSW	15/WNW	30/WNW	31/WNW	13/W	10/NE	13/SW	9/S	12/W	16/N	5/W	15/SW	7/S	12/S	9/ESE	6/SSE	10/NW	9/WSW	18/SW	6/WSW	9/SSW	17	54/WSW
平均值	24	22	18	17	17	19	18	20	22	18	17	18	17	16	16	16	18	21	25	24	25	31	25	21		
最大值	55/W	48/WSW	36/SW	45/WSW	34/SE	41/ESE	53/NE	61/WSW	67/WSW	59/WSW	39/WSW	55/WSW	63/WSW	48/WSW	44/W	56/WSW	38/ENE	51/WSW	68/SW	51/WSW	66/WSW	80/W	66/SW	45/SW		

[註 **1**]: 月平均流速= **20cm/s**, 最大流速= **80m/s**, 其流向爲 **W** (去向)。流速分佈: **<25cm/s: 74.2%,25~50cm/s: 22.3%,50~70cm/s: 3.2%,75~100cm/s: .3%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 17.5%,E~S: 26.2%,S~W: 41.5%,W~N: 14.8%**, 流向主軸:**WSW-ENE**(佔 **21.2%**), 主流向:**WSW**(佔 **16.0%**)。每小時記錄一次, 本月計 **744**筆 **(100%)**, 資料檔

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表3.6.3　2008 年 02 月 花蓮港測站 X 觀測逐時流速及流向月報表

2008年 **2**月 **1**日 **0**時 **0**分 ～ **2008**年 **2**月**29**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
02/01	5/SSE	7/NW	6/SW	10/SW	8/NW	8/SSW	15/SSE	23/ENE	12/N	18/NE	16/E	9/W	10/ESE	19/NNW	18/W	13/SE	16/SSW	13/S	19/SSW	4/NNE	3/ESE	12/SSE	14/E	9/S	12	23/ENE
02/02	9/SE	9/NNW	13/ESE	7/NNW	8/N	20/ESE	40/E	20/E	33/E	55/E	42/ESE	48/E	39/ESE	34/E	2/SSW	5/NE	8/NNW	9/NNW	16/ENE	19/ENE	10/S	11/WSW	7/WNW	9/SSW	20	55/E
02/03	7/S	12/WSW	15/W	7/WNW	22/NW	17/W	47/WSW	44/W	20/W	31/W	35/W	22/W	10/W	8/S	7/NW	23/SW	17/SW	17/SW	25/SSW	14/S	20/SSW	14/SSE	12/ESE	4/W	19	47/WSW
02/04	6/SSW	11/ENE	10/NW	7/SSE	9/NNW	5/WNW	8/SW	17/W	9/WNW	9/NE	14/ENE	14/NNE	9/NNW	10/NNE	27/NE	22/NE	29/NNE	15/ENE	14/ENE	4/NW	11/E	11/E	18/ENE	16/NE	13	29/NNE
02/05	2/E	11/N	30/NE	18/NE	16/NE	10/NNE	15/NNE	10/NW	13/NW	8/NW	4/E	21/ENE	16/E	16/NNE	22/NNE	42/NNE	25/NE	22/N	19/N	8/NE	9/SW	22/SSE	9/S	10/NW	16	42/NNE
02/06	14/WNW	13/NW	9/N	18/NW	8/SE	28/W	36/WSW	36/WSW	20/WSW	19/WSW	15/WSW	20/WSW	11/WSW	3/NW	4/WNW	3/N	3/WNW	20/WSW	25/SW	25/S	22/SSW	17/SSE	13/SSE	14/SE	16	36/WSW
02/07	17/ESE	15/SE	8/ESE	9/ENE	9/S	16/WSW	8/SW	14/SSE	12/S	13/SSE	10/SSE	12/E	14/E	15/ESE	26/E	14/E	28/E	21/E	4/WSW	19/WSW	27/WSW	16/W	16/SW	4/ESE	15	28/E
02/08	10/ESE	12/ESE	11/ESE	6/ENE	8/NNE	6/SW	35/WSW	37/WSW	20/WSW	20/SW	23/S	12/S	10/SSW	6/SW	17/E	20/E	14/E	6/N	16/W	29/W	56/WSW	22/SW	19/SSW	14/SSW	18	56/WSW
02/09	4/S	7/ENE	22/SSW	13/WSW	10/SSE	8/SSW	12/W	54/W	48/WSW	16/SW	22/W	9/WSW	14/W	12/WNW	5/NNE	12/ENE	10/NE	19/NNE	16/WNW	36/W	69/WSW	37/SSW	21/SW	22/SSW	21	69/WSW
02/10	21/S	8/SW	5/WNW	14/WNW	11/NW	7/WSW	29/WNW	25/SW	15/SSW	14/SSW	19/SSE	15/SSW	1/E	11/SW	9/SW	10/S	13/ESE	23/ENE	13/NW	29/W	57/WSW	49/WSW	24/SW	23/SSW	19	58/WSW
02/11	25/SW	15/WSW	4/SSW	18/ESE	13/E	15/ENE	25/ESE	4/WNW	30/W	33/WSW	26/WSW	10/WSW	17/S	15/S	7/S	17/SSE	15/ESE	6/SSW	20/ESE	13/NW	42/W	34/WNW	51/WSW	31/WSW	20	51/WSW
02/12	19/WSW	16/SSW	23/SW	16/S	8/SW	11/SSW	19/N	11/N	16/SSW	8/W	21/SW	28/SW	25/W	32/W	18/WSW	18/W	11/W	*	7/NE	6/ENE	25/W	41/W	38/WSW	26/SW	19	41/W
02/13	15/SW	16/SW	12/SW	17/SW	11/SW	10/SSE	9/S	4/S	5/E	16/WSW	33/SW	18/SW	14/WSW	14/WSW	22/WSW	11/WSW	15/WSW	4/W	17/ENE	5/SE	23/NW	24/W	6/NNW	10/W	14	33/SW
02/14	16/WSW	8/WNW	18/W	9/NE	16/E	23/NE	12/N	12/WNW	7/NNE	12/NW	20/W	10/WNW	17/W	5/NNE	12/NE	26/N	14/NW	22/NE	23/N	13/NNE	17/NE	18/NNE	13/WSW	24/WNW	15	26/N
02/15	43/W	27/W	27/SSW	21/SSW	10/SSW	11/NE	25/SE	15/NE	21/SW	48/W	60/WSW	55/WSW	45/W	25/WSW	29/WSW	24/WSW	30/W	21/WSW	24/WNW	20/WNW	19/WSW	19/WNW	8/W	7/N	26	60/WSW
02/16	23/WNW	30/W	8/WSW	22/WSW	11/SW	14/NNW	20/ENE	20/NE	22/N	15/N	24/W	32/WSW	21/WSW	18/S	20/W	12/SSE	24/SW	13/SSW	8/SSW	17/SW	8/NNW	5/ESE	9/NE	6/SE	17	32/WSW
02/17	8/SSW	7/N	13/SE	5/WNW	11/ESE	11/NNW	12/NNE	18/NNE	12/NNE	9/NNW	10/ENE	14/NNE	16/WSW	18/SW	14/WNW	12/NE	9/SSE	24/WSW	33/W	23/SW	15/SW	12/SW	20/SSW	17/SW	14	33/W
02/18	11/S	12/SE	10/NNE	6/SE	9/NW	14/WSW	10/S	5/WNW	5/NNW	8/N	9/WNW	6/WSW	10/NNE	15/ENE	7/ENE	13/N	10/NE	29/WSW	35/WSW	32/WSW	19/SSW	20/SW	26/SW	21/SSW	14	35/WSW
02/19	22/SSW	21/S	12/E	9/E	11/N	8/WNW	17/W	28/W	16/WNW	14/NNW	10/NE	3/SSW	4/WSW	5/ENE	16/W	26/W	19/W	19/SW	20/WSW	24/SW	30/SW	19/SSW	23/SW	22/SSW	17	30/SW
02/20	22/SSW	19/SSW	12/SSW	9/S	6/ESE	16/SSE	13/ESE	7/ESE	8/W	4/S	7/NW	16/SSW	9/S	10/ENE	11/NW	16/NNE	13/E	7/SE	14/WNW	28/WSW	19/SSW	31/SW	17/SSW	22/SSW	14	31/SW
02/21	26/SSW	20/SSW	20/S	12/E	22/E	5/ENE	5/NNE	7/WNW	15/W	24/W	9/WSW	9/SW	9/NNE	8/NE	16/NE	23/NNE	5/NNW	21/N	19/NW	32/WSW	19/WSW	17/WSW	13/W	5/WNW	15	32/WSW
02/22	7/SSW	7/ESE	10/ENE	21/ENE	13/E	5/NNE	7/ESE	10/NE	6/WNW	9/N	7/SW	13/ESE	14/E	6/E	9/E	5/ENE	7/ENE	11/NNE	7/E	7/E	14/WSW	39/W	16/WSW	6/WSW	11	39/W
02/23	12/SSE	15/E	6/ESE	8/NE	7/ENE	7/ENE	24/ESE	7/ESE	14/W	22/W	11/WSW	7/ENE	4/WNW	12/W	15/S	11/S	8/SSE	8/SW	51/W	22/SW	25/SSW	26/S	27/SSW	23/S	16	51/W
02/24	17/SSE	19/SSE	12/SSE	7/SSE	9/SSE	6/SE	4/E	3/SE	10/SW	6/S	10/SE	13/SE	13/S	14/SSE	3/NNW	12/SSW	11/SSE	11/SE	5/W	4/SSE	6/NNE	7/SW	5/SW	11/SW	9	19/SSE
02/25	5/SSE	9/NNE	15/E	18/ENE	6/S	9/ESE	15/SSE	8/NNW	10/E	8/E	4/NNW	2/NNE	5/E	5/S	8/SE	6/NE	8/E	2/N	6/N	12/N	6/E	10/WNW	12/NNW	6/N	8	18/ENE
02/26	12/E	6/E	16/N	19/ENE	15/NNW	14/N	16/NE	17/WNW	13/NW	28/SW	33/WSW	13/SW	11/WSW	15/WNW	10/W	24/WSW	27/WSW	24/WSW	38/W	43/W	23/SW	23/SSW	22/S	20/S	20	43/W
02/27	18/SSE	15/SSE	14/S	11/S	12/S	18/ESE	7/ESE	6/ESE	10/NE	7/SE	15/SSE	10/S	7/S	10/SE	12/ESE	27/ESE	10/WNW	8/NE	10/SSE	13/SSE	8/SSE	10/SSW	5/S	15/S	12	27/ESE
02/28	14/ESE	11/ENE	10/ENE	15/E	9/SW	17/E	9/SW	10/N	9/NW	13/ENE	14/E	13/ESE	8/ENE	15/ENE	6/E	9/ESE	8/N	11/NE	14/E	15/ENE	7/SSE	4/NW	11/NNE	14/NNE	11	17/E
02/29	22/N	12/NE	18/NNE	24/ENE	19/NNE	13/NNE	11/N	13/N	8/SSW	50/W	55/WSW	60/WSW	29/W	39/W	41/W	34/W	34/WSW	19/WSW	19/WSW	17/SSE	23/SSE	18/SW	7/NNE	8/WSW	25	60/WSW
平均值	15	13	13	13	11	12	18	17	15	19	20	18	14	14	14	17	15	15	19	18	22	20	17	14		
最大值	43/W	30/W	30/NE	24/ENE	22/NW	28/W	47/WSW	54/W	48/WSW	55/E	60/WSW	60/WSW	45/W	39/W	42/W	42/NNE	34/WSW	29/WSW	51/W	43/W	69/WSW	49/WSW	51/WSW	32/WSW		

[註 1]: 月平均流速= **16cm/s**, 最大流速= **69m/s**, 其流向爲 **WSW**(去向)。流速分佈: <**25cm/s: 86.0%**,**25**~**50cm/s: 12.4%**,**50**~**70cm/s: 1.6%**,**75**~**100cm/s: .0%**,>**100cm/s: .0%**。

[註 2]: 流向分佈: **N**~**E: 21.9%**,**E**~**S: 20.9%**,**S**~**W: 39.1%**,**W**~**N: 18.1%**, 流向主軸:**WSW-ENE**(佔 **17.7%**), 主流向:**WSW**(佔 **11.9%**)。每小時記錄一次, 本月計 **695**筆 **(100%)**, 資料檔名:**C082HLX0.1HA**。

名:C083HLX0.1HA。

表3.6.4　2008 年 03 月 花蓮港測站 X 觀測逐時流速及流向月報表

2008年 **3**月 **1**日 **0**時 **0**分 ～ **2008**年 **3**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
03/01	22/W	6/SW	10/SSW	10/S	20/WNW	13/NNW	8/ESE	6/S	12/ENE	7/SSW	16/S	22/W	16/WSW	18/W	20/WNW	25/W	36/WSW	28/WSW	23/W	20/WSW	5/S	6/SW	6/SSW	8/SSW	15	36/WSW
03/02	10/SSE	3/E	4/NE	12/NE	24/ENE	17/NNW	17/E	6/NNE	9/ESE	13/WSW	7/E	9/NNE	7/W	9/NW	11/SSW	10/SSW	23/W	24/W	26/W	27/SW	18/WSW	14/SSW	12/SSW	12/SSE	14	27/SW
03/03	16/WSW	21/ESE	10/WSW	4/N	23/E	18/E	31/E	9/SE	2/NNW	12/ESE	4/ESE	9/ENE	7/E	17/ENE	14/E	5/NNE	4/W	29/WSW	28/W	14/S	15/S	16/S	17/S	16/SW	14	31/E
03/04	10/SE	11/ESE	15/ENE	14/E	22/NE	18/E	2/SSW	10/N	12/NE	14/NE	10/ENE	15/NE	20/ENE	14/ENE	11/NNE	19/ENE	11/NNE	17/NW	19/SW	51/WSW	26/SW	16/SW	18/SSW	16/WSW	16	51/WSW
03/05	23/SW	14/WSW	16/SW	11/WSW	12/WSW	16/WSW	4/NNW	16/E	22/E	5/NNE	22/E	21/E	5/NE	10/ESE	11/ENE	11/SW	16/WNW	17/ESE	11/E	6/S	12/W	8/S	13/ENE	17/ENE	13	23/SW
03/06	29/ENE	28/NE	25/NNE	16/ENE	12/N	14/NW	8/WSW	26/NNW	15/N	5/WSW	4/SW	9/SSW	20/NNE	24/E	25/E	10/E	13/NNW	13/NE	8/NNW	19/W	21/W	11/NW	7/ENE	14/E	16	29/ENE
03/07	13/E	15/N	17/NNW	16/NE	16/WNW	20/NW	13/NW	7/WSW	30/WNW	15/W	15/W	12/S	12/W	2/NNE	20/WNW	6/WNW	7/NNW	6/N	17/WNW	16/WSW	21/W	8/W	31/WSW	30/W	15	31/WSW
03/08	15/NW	5/ESE	6/NE	8/WSW	5/E	6/SSE	13/SSW	11/WNW	11/WNW	9/SW	17/W	4/ESE	13/ESE	10/ENE	19/ESE	17/E	16/ESE	12/E	17/ENE	17/N	19/N	18/NW	12/NW	18/NW	13	20/N
03/09	17/NW	17/NNE	9/E	7/E	22/E	8/ENE	7/NNW	21/NW	26/W	17/W	20/SSE	9/SE	14/SE	13/S	13/NNW	7/SE	7/NNE	17/ENE	8/NNE	29/W	24/W	42/WSW	22/WSW	23/SW	17	42/WSW
03/10	19/SSW	24/WSW	22/W	15/NW	6/NW	14/NE	31/NNE	17/NNE	11/NW	12/SW	10/WSW	17/W	13/WSW	16/NNW	17/W	7/NNW	13/ESE	3/W	27/NE	37/N	29/NNW	23/WNW	17/W	11/WNW	17	37/N
03/11	30/WSW	24/SW	24/SW	18/W	6/WNW	8/N	7/ENE	6/NE	17/NNW	16/N	9/NNE	13/WSW	12/WSW	8/SSW	15/SW	8/SW	18/WNW	2/NE	18/NE	16/NE	6/NE	32/W	24/W	16/WSW	15	32/W
03/12	24/SW	6/WSW	8/SSW	12/SSE	16/SSE	16/SE	19/ESE	14/E	15/SW	17/W	6/S	15/SE	17/ESE	7/SE	3/NW	11/S	7/S	3/ENE	19/E	14/SE	15/W	25/SW	28/WSW	5/SW	13	28/WSW
03/13	9/S	6/SW	6/SSW	9/SE	15/SE	16/ESE	11/ESE	23/ESE	22/ESE	8/ESE	27/WSW	9/NW	16/S	20/SSE	5/NE	13/WSW	9/ESE	12/ESE	15/SE	12/ESE	9/NNW	5/NNE	12/NE	9/NE	12	27/WSW
03/14	18/E	19/ENE	18/ESE	6/SSW	7/SW	31/E	13/E	11/ENE	26/E	14/E	14/ESE	11/S	8/NNW	9/SSW	29/WSW	15/SSW	16/SSW	15/S	7/SSW	9/SE	15/SE	15/W	8/ESE	6/NW	14	31/E
03/15	6/S	9/E	10/ESE	20/E	5/SSW	31/E	18/E	29/ENE	12/E	4/SE	9/ENE	16/ENE	13/E	8/E	13/E	13/E	6/NW	12/SW	13/SE	7/S	6/E	10/NE	13/ENE	8/NE	12	31/E
03/16	14/ENE	18/E	17/E	10/ENE	13/E	7/ENE	6/NNE	19/NW	14/WNW	23/WNW	21/WNW	26/WNW	22/WSW	13/SW	26/SSW	19/SW	21/S	16/S	17/S	28/WSW	17/WNW	10/SW	7/WNW	8/NW	16	28/WSW
03/17	13/NE	18/E	17/ENE	3/NNE	10/SE	8/N	16/N	17/NW	25/W	16/WSW	13/WSW	3/ESE	8/SSW	16/WNW	9/NW	15/ENE	13/NE	8/ENE	32/WSW	24/SW	45/W	30/WSW	13/W	7/NNE	16	45/W
03/18	11/NNE	12/ENE	14/ESE	12/E	10/S	7/SSW	43/WSW	41/SSW	18/SSW	15/S	16/SSE	18/SSE	22/ESE	22/ENE	5/ESE	9/NW	20/ENE	69/WSW	23/SW	14/SSE	21/S	21/SSE	26/SE	25/SE	21	69/WSW
03/19	21/ESE	27/ESE	5/WSW	7/S	20/SW	29/SW	50/WSW	43/SW	23/SW	25/SSE	*	13/S	8/ESE	9/SE	5/SSW	16/SSW	48/WSW	27/SSW	19/S	28/SSE	19/SSE	16/SSE	14/S	14/S	21	50/WSW
03/20	20/S	10/S	8/SSW	3/NNW	4/ENE	11/ESE	6/ESE	12/ENE	22/ENE	15/E	7/E	5/SW	6/SSW	4/SW	9/SE	9/SSE	16/W	11/SW	11/SSE	32/ESE	43/E	38/ENE	32/ENE	33/ENE	15	43/E
03/21	32/E	34/NE	29/NE	25/NNE	34/NE	25/NE	16/ENE	18/ENE	25/ENE	19/ENE	4/SE	6/SW	8/NNW	11/ENE	14/ENE	15/ENE	10/ENE	2/ENE	7/NW	5/NW	4/ESE	10/E	16/ENE	27/ENE	17	34/NE
03/22	27/ENE	23/ENE	27/NE	22/NE	17/NNE	10/NW	17/NW	14/WNW	8/E	8/SSE	3/E	7/NE	2/ESE	2/E	13/E	12/ESE	14/ESE	9/ENE	2/NNE	17/W	25/W	32/WSW	15/WSW	11/SSW	14	32/WSW
03/23	8/SSW	3/S	7/ESE	4/ESE	6/ESE	10/E	9/NNW	11/W	37/WSW	33/SW	24/SW	20/SSW	19/SW	18/SW	10/SW	7/WSW	5/ESE	7/SSW	14/WSW	27/W	19/WSW	10/SSW	10/SSW	1/ESE	13	37/WSW
03/24	3/WNW	6/SE	3/NE	7/NE	5/E	6/WNW	6/ENE	13/WSW	14/W	7/WNW	3/SSE	9/S	7/SSW	7/SSW	3/ESE	6/SE	5/SSE	1/E	5/WSW	14/W	32/W	20/SW	13/SSW	16/S	9	32/W
03/25	6/ENE	14/E	4/SE	13/ENE	7/NE	15/ENE	10/ENE	1/E	5/WNW	10/WNW	20/WSW	15/SW	8/SSW	6/SW	10/WSW	5/WNW	5/NE	5/WNW	8/NNE	7/NW	37/WSW	46/SW	23/SW	17/S	12	46/SW
03/26	16/ESE	9/SE	4/WSW	13/SE	12/ENE	12/ENE	6/E	13/E	9/ESE	3/WSW	8/ESE	4/ESE	2/NE	3/NE	8/NNE	5/N	7/ENE	12/E	8/SE	7/NE	15/NNE	14/NNW	25/WNW	21/WNW	10	25/WNW
03/27	32/WSW	35/WSW	21/WSW	22/W	8/WNW	9/W	13/WNW	18/NE	11/ENE	3/WNW	7/WSW	19/WSW	12/WSW	21/WSW	33/WSW	23/WNW	12/WNW	10/NW	11/N	3/N	6/WNW	16/W	27/SW	18/S	16	35/WSW
03/28	15/SSW	10/S	11/SE	8/SSE	6/ESE	7/ENE	11/ENE	9/E	13/E	22/E	10/E	7/ESE	3/WSW	6/W	4/SSW	3/SSW	4/E	6/E	7/SSE	7/E	10/ENE	4/NE	8/NNW	9/NE	8	22/E
03/29	8/ENE	4/NNE	7/N	7/N	4/NE	3/NNW	4/NW	11/NE	16/E	21/ESE	10/SE	10/ENE	6/E	3/E	12/WSW	25/W	20/WSW	8/W	8/W	4/NNE	4/NE	6/NE	2/NW	17/W	9	25/W
03/30	25/WSW	26/SW	22/WSW	22/WSW	13/S	15/SSE	9/SE	4/E	17/ESE	17/E	17/E	7/SSE	26/WSW	50/WSW	66/WSW	47/SW	25/S	14/SSE	12/S	9/S	7/E	9/E	12/SW	15/W	20	66/WSW
03/31	12/WSW	14/SW	14/S	13/SSE	11/SSW	10/SSE	10/SE	22/WSW	13/WSW	12/WSW	13/WSW	18/WSW	33/WSW	37/WSW	39/WSW	33/SW	19/SSE	10/SE	17/ESE	12/ESE	11/E	11/ESE	12/E	11/E	17	39/WSW
平均值	17	15	13	12	13	14	14	15	17	13	12	12	12	13	16	14	14	14	15	17	18	17	16	15		
最大值	32/WSW	35/WSW	29/NE	25/NNE	34/NE	31/E	50/WSW	43/SW	37/WSW	33/SW	27/WSW	26/WNW	33/WSW	50/WSW	66/WSW	47/SW	48/WSW	69/WSW	32/WSW	51/WSW	45/W	46/SW	32/ENE	33/ENE		

[註 1]: 月平均流速= **15cm/s**, 最大流速= **69m/s**, 其流向爲 **WSW**(去向)。流速分佈: **<25cm/s: 88.4%,25~50cm/s: 10.9%,50~70cm/s: .7%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 25.0%,E~S: 25.2%,S~W: 32.4%,W~N: 17.4%**, 流向主軸:**WSW-ENE**(佔 **20.9%**), 主流向:**WSW**(佔 **11.4%**)。每小時記錄一次, 本月計 **743**筆 **(100%)**, 資料檔

港灣技術研究中心

表3.6.5　2008 年 04 月 花蓮港測站 X 觀測逐時流速及流向月報表

2008年 **4**月 **1**日 **0**時 **0**分 ～ **2008**年 **4**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
04/01	5/SE	4/SSW	9/ESE	4/SSW	1/S	3/SW	4/WNW	7/N	7/NE	12/ENE	16/ENE	7/E	4/NNE	12/NNE	23/NNE	25/N	17/NW	14/W	16/NW	12/NW	6/NNW	10/N	15/N	22/NNE	11	25/N
04/02	25/NNE	14/N	12/N	13/N	12/NNE	3/NW	20/WSW	25/WSW	10/SSW	7/SW	*	5/S	4/E	3/WSW	16/SW	16/SSW	44/WSW	22/SW	11/S	14/SSE	12/ESE	8/SE	8/SE	14/SSE	14	44/WSW
04/03	9/SE	9/E	8/NE	2/WNW	7/W	11/SW	28/WSW	23/SW	21/WSW	10/SW	15/SSW	3/S	10/E	12/ENE	11/E	12/ESE	10/SW	44/WSW	44/WSW	14/SSW	15/SSW	21/SSW	10/SSW	4/SSE	15	44/WSW
04/04	5/NE	4/S	7/SE	7/SE	19/WSW	35/WSW	22/SSW	15/S	9/SSW	3/W	6/SE	6/E	7/NE	12/ENE	8/E	11/ESE	2/NNW	37/SW	10/SSW	8/SW	11/SW	7/SW	7/SW	2/ENE	11	37/SW
04/05	6/S	5/ESE	8/E	7/E	9/E	4/SSW	3/ESE	5/S	8/SW	5/WSW	7/W	4/W	6/NW	9/NNE	5/E	12/ENE	19/NE	8/NNW	43/SW	14/WSW	12/NNE	10/E	5/SSE	7/NNE	9	43/SW
04/06	6/NE	18/ENE	13/E	8/ENE	9/NE	76/WSW	42/SW	31/SW	13/SSW	9/SSW	4/SSW	7/NW	5/N	3/NNW	11/NE	17/NE	20/NE	15/S	85/SW	16/W	27/WSW	13/S	17/SSE	8/S	20	85/SW
04/07	16/WSW	6/W	10/ENE	11/ESE	19/ESE	11/ENE	4/WNW	38/WSW	16/SW	7/S	9/S	15/SSW	14/SSW	16/SSW	9/WSW	4/N	9/NE	7/NE	3/W	54/WSW	17/SSW	23/S	18/SE	17/ESE	15	54/WSW
04/08	13/ESE	3/ENE	13/ENE	21/ENE	17/ENE	19/ESE	11/E	52/WSW	28/W	7/NW	4/SE	7/ENE	3/SW	14/WNW	3/NW	7/ESE	9/SE	8/SE	13/NNE	19/NE	21/WNW	29/WSW	29/SW	24/SSE	16	52/WSW
04/09	19/SSE	14/SSW	12/SSW	15/SE	12/ESE	14/E	43/SW	52/WSW	76/WSW	30/SW	31/SSE	14/S	22/SW	18/SW	11/ENE	9/NE	20/NNE	14/ENE	14/E	21/WSW	35/SW	54/SSW	17/ESE	24/ESE	25	76/WSW
04/10	22/SE	12/ENE	16/NE	16/ENE	18/ENE	24/ENE	14/E	10/NE	8/ESE	3/SW	16/W	52/SW	50/WSW	46/SW	24/SW	26/SSW	8/S	11/SSW	19/WSW	39/SW	45/SW	50/SW	11/S	10/SSE	23	52/SW
04/11	10/SE	19/E	11/ENE	24/ESE	18/E	16/E	6/E	13/E	9/ESE	4/S	8/ESE	44/WSW	49/SW	18/SSE	23/S	4/SSW	2/SW	6/WNW	5/N	5/WNW	3/NW	8/SE	12/SE	10/ESE	14	49/SW
04/12	2/S	8/WSW	20/WSW	20/WSW	10/SSW	17/SSW	12/WSW	10/W	8/SSW	9/WSW	10/ESE	4/SSE	40/SW	18/SSE	22/SE	14/ENE	11/ENE	11/ENE	11/E	41/E	22/NE	7/NE	17/SE	7/E	15	41/E
04/13	3/SSW	27/SSW	24/SW	12/WSW	6/SSW	4/E	6/NE	6/ESE	6/S	4/SE	6/W	9/NNW	9/SW	37/WSW	35/SW	22/S	19/SE	6/E	6/SE	8/W	4/SSW	6/SE	7/ESE	4/SE	11	37/WSW
04/14	6/SSW	8/W	6/SSW	6/S	7/SE	11/E	10/ESE	5/ESE	9/NE	7/N	17/N	12/NNW	13/NW	11/W	11/WNW	10/WNW	12/W	15/WSW	9/WSW	9/S	8/S	4/SSE	3/N	2/SSW	9	17/N
04/15	3/ENE	3/NE	2/S	10/NNW	12/NE	12/NE	15/ENE	11/ENE	13/ENE	12/ENE	10/E	11/ENE	11/NE	16/NE	18/NE	11/NNE	9/NNE	9/W	31/WSW	13/W	13/SSE	9/NE	13/ENE	12/ENE	12	31/WSW
04/16	10/NNE	21/E	17/ENE	7/ESE	29/WSW	65/WSW	30/WSW	12/WSW	7/NW	10/NNE	14/NE	9/NE	6/ENE	9/ENE	2/NW	5/SW	8/N	7/NW	36/WSW	16/WSW	5/W	13/ENE	13/ENE	14/ENE	15	65/WSW
04/17	13/E	7/NE	5/ENE	6/WNW	16/W	44/SW	60/SW	15/SSW	17/S	20/S	7/NNW	5/NW	4/NNE	7/SE	11/S	23/WSW	41/WSW	70/WSW	25/S	33/SSE	18/E	5/E	17/ESE	18/SE	20	70/WSW
04/18	12/SE	23/ESE	27/E	23/ESE	25/ESE	29/ESE	11/SE	12/E	20/E	14/E	14/SE	14/SE	11/SSE	11/ENE	14/E	17/ENE	8/E	22/SW	33/SW	14/SSE	16/E	18/E	18/ENE	14/E	18	33/SW
04/19	12/ESE	10/ESE	2/SE	5/SSW	4/SE	9/SSE	9/SSE	5/ESE	4/SSE	2/S	6/WSW	6/WNW	3/WNW	7/NNW	8/E	12/ESE	9/SE	11/SE	15/ESE	24/SW	20/WSW	3/WSW	10/SSW	7/SSE	9	24/SW
04/20	9/SSE	10/E	18/NE	14/NE	18/N	14/N	8/NNW	12/NW	12/W	14/W	9/NNW	11/NE	5/ENE	7/NW	4/NNE	10/E	21/NE	10/E	10/N	4/NE	10/NE	2/N	7/N	6/NNW	10	21/NE
04/21	9/NW	9/W	9/WNW	1/S	9/SSE	4/S	8/SSW	5/WSW	17/NNE	5/ENE	3/SSE	4/ENE	8/NNE	14/NNE	21/NNE	22/NE	18/ESE	14/E	9/WSW	72/WSW	79/WSW	57/WSW	33/WSW	26/SSW	19	79/WSW
04/22	11/SE	11/ESE	9/E	6/ENE	10/SW	33/WSW	17/WSW	24/SW	72/SW	65/SW	16/SSE	25/SSE	18/S	11/S	11/SE	7/SSE	7/SW	29/WSW	38/WSW	41/WSW	28/WSW	17/SW	15/SSW	15/S	22	72/SW
04/23	5/SSE	10/S	3/N	9/ENE	9/E	3/NNE	24/SW	56/SW	60/SW	16/SSE	17/S	14/SSW	12/SW	16/SSW	9/S	10/ESE	6/ESE	6/SSE	4/W	3/NNE	8/ESE	26/ESE	28/SE	16/SSE	16	60/SW
04/24	14/WSW	20/SSW	16/S	10/SSE	6/S	5/SSE	10/E	7/SE	34/SW	20/SW	4/SE	11/S	6/SSE	5/SW	8/S	8/S	8/S	6/SE	6/ESE	12/ENE	4/ENE	4/WNW	6/NW	5/NE	10	34/SW
04/25	4/N	5/NNE	10/NNE	14/NE	11/NE	9/NE	9/NNE	19/NNW	26/NW	24/WNW	30/NW	18/WNW	7/W	8/SW	13/SW	9/SW	14/NNE	16/NE	17/NNE	18/NNE	23/NNW	27/NW	39/W	38/W	17	39/W
04/26	36/WSW	29/WSW	17/SW	13/S	14/SE	24/E	28/NE	16/NNE	15/W	31/W	14/WNW	19/WNW	16/WNW	10/WNW	10/W	13/W	9/WSW	11/WSW	18/SW	17/SW	21/SW	24/WNW	17/WSW	9/WNW	18	36/WSW
04/27	16/SW	9/SW	9/SW	8/SE	8/ESE	5/NE	8/ENE	8/ESE	4/ENE	8/SSW	32/SSW	5/NW	5/WNW	5/NW	2/WSW	12/WNW	9/WNW	8/NW	8/N	10/NW	7/NNE	6/NNW	11/NNW	17/WNW	9	32/SSW
04/28	15/WNW	11/WNW	9/WNW	4/SSW	3/SSW	3/SSE	17/WSW	4/NNW	12/WSW	14/S	39/W	75/SW	57/SW	33/SW	23/SSW	21/SSW	20/SW	32/SW	13/S	9/ESE	5/ENE	5/SSW	23/WSW	22/W	20	75/SW
04/29	15/SW	20/SW	17/SSW	15/SSE	15/SSE	3/SSE	6/SE	9/SSW	7/SW	12/SE	15/E	9/WSW	4/SSW	42/WSW	55/SW	44/SW	26/SW	15/S	9/SSE	12/ENE	12/ENE	4/ESE	5/NE	7/E	16	55/SW
04/30	19/E	22/E	24/E	15/ESE	16/E	6/E	3/ESE	6/SSE	7/S	13/ESE	8/SSE	7/SE	9/WNW	4/NE	7/NNE	10/NNE	5/WSW	10/SW	13/WSW	26/WSW	11/SSW	3/NNE	6/NNE	11/NNE	11	26/WSW
平均值	12	12	12	11	12	17	16	17	18	13	13	14	14	14	14	14	14	16	19	20	17	16	15	13		
最大值	36/WSW	29/WSW	27/E	24/ESE	29/WSW	76/WSW	60/SW	56/SW	76/WSW	65/SW	39/W	75/SW	57/SW	46/SW	55/SW	44/SW	44/WSW	70/WSW	85/SW	72/WSW	79/WSW	57/WSW	39/W	38/W		

[註 1]: 月平均流速= **15cm/s**, 最大流速= **85m/s**, 其流向爲 **SW**(去向)。流速分佈: **<25cm/s: 87.3%,25~50cm/s: 9.6%,50~70cm/s: 2.5%,75~100cm/s: .6%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 23.4%,E~S: 27.7%,S~W: 34.5%,W~N: 14.5%**, 流向主軸: **SW- NE**(佔 **18.1%**), 主流向: **SW**(佔 **11.1%**)。每小時記錄一次, 本月計 **719**筆 **(100%)**, 資料檔名:**C084HLX0.1HA**。

港灣技術研究中心

名:C085HLX0.1HA。

表3.6.6　2008 年 05 月 花蓮港測站 X 觀測逐時流速及流向月報表

2008年 **5**月 **1**日 **0**時 **0**分 ~ **2008**年 **5**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
05/01	12/NNE	12/NE	11/NNE	8/W	16/WSW	12/SW	5/SE	12/SE	8/ESE	6/S	6/NE	9/ENE	7/NE	7/N	22/WNW	11/WNW	15/SW	13/SE	21/S	22/SW	26/WSW	25/WSW	9/SSW	4/W	12	26/WSW
05/02	9/NNE	12/ENE	15/ENE	13/NE	10/N	10/NNW	7/NE	11/WNW	8/WNW	4/SW	2/WSW	8/NNW	7/N	4/WNW	6/WNW	30/W	15/W	48/WSW	45/WSW	23/SW	14/SSW	18/S	7/SSE	6/SSW	14	48/WSW
05/03	8/NNW	14/SW	3/S	15/WSW	12/SSW	8/S	14/SSE	5/ESE	6/N	6/ENE	6/NW	10/WNW	15/W	19/WSW	17/WSW	27/WSW	22/WSW	32/WSW	51/SW	23/SW	14/SSW	12/S	6/SE	6/NNE	15	51/SW
05/04	4/S	4/SSW	11/W	1/E	4/WNW	18/W	12/W	12/SW	2/E	7/N	8/N	8/NNW	13/ENE	19/NE	33/ENE	37/NE	21/NE	11/NE	16/ENE	4/ENE	8/E	5/NE	8/NNE	8/NNE	11	37/NE
05/05	9/N	18/NNE	23/NE	26/NNE	25/NE	17/ENE	5/S	11/WNW	21/WNW	17/W	40/WSW	47/WSW	33/WSW	31/SW	45/WSW	50/WSW	27/NW	35/N	18/NW	9/WNW	23/WSW	20/W	19/WSW	11/W	24	50/WSW
05/06	5/NNW	7/W	9/W	9/W	12/N	43/NNE	24/NNE	18/N	18/W	13/W	7/W	16/WSW	18/WSW	22/SW	26/WSW	32/SW	23/SW	16/SW	13/SE	10/SSW	10/S	3/SW	11/S	6/S	15	43/NNE
05/07	6/SW	3/SSW	6/SW	4/NW	10/W	18/WSW	31/WSW	30/SW	15/S	19/SE	8/SE	10/S	17/SW	23/SW	8/SW	10/W	9/NNW	5/N	10/NNW	16/WSW	36/WSW	10/SSW	5/S	7/NNW	13	36/WSW
05/08	13/NNE	15/ENE	15/E	10/ESE	4/NE	15/ESE	15/S	26/WNW	17/WSW	23/SW	16/S	8/S	5/WSW	10/W	15/WNW	4/SE	7/N	4/W	9/W	17/WNW	37/W	32/W	48/SW	41/SW	17	48/SW
05/09	30/WSW	28/WSW	22/W	10/NNW	9/W	32/WSW	40/WSW	16/SW	36/SW	26/WNW	7/WNW	2/N	4/SW	21/SW	22/WSW	18/W	12/WNW	13/W	14/SW	53/WSW	48/SW	21/SSW	31/SSW	16/WSW	22	53/WSW
05/10	7/W	29/SW	40/WSW	32/WSW	25/SW	25/SW	31/WSW	28/SW	47/SW	59/WSW	23/SSW	21/SSW	23/SSW	53/SW	16/SSW	12/S	18/SSE	19/S	28/SE	16/SE	8/WSW	6/ENE	5/NNE	20/WNW	25	59/WSW
05/11	16/WSW	10/SSW	32/WSW	43/WSW	10/SSE	21/S	19/SSW	16/SW	12/SW	14/SSW	10/SW	12/SSW	11/SSE	13/SE	*	19/SSE	15/SSW	14/SSE	11/S	8/SSE	11/SE	12/SSE	14/SE	8/ESE	15	43/WSW
05/12	13/E	15/ENE	11/ENE	12/NE	10/NNE	9/NNE	11/NNE	15/NE	10/NNE	8/NNE	11/NNE	9/N	8/NNE	5/NNW	5/W	17/W	25/W	22/W	27/WSW	24/WSW	16/WSW	23/WSW	19/WSW	23/NNW	15	27/WSW
05/13	11/NNW	9/N	8/WNW	15/WNW	10/WNW	10/WNW	14/WSW	11/WNW	7/N	11/NNW	13/NW	15/NW	25/WNW	31/WSW	33/WSW	15/SW	32/SW	27/SW	33/SW	36/WSW	15/WSW	10/WNW	5/NW	11/NW	17	36/WSW
05/14	11/NNW	7/ENE	6/W	10/SW	31/W	29/WSW	21/WSW	18/WSW	15/WSW	8/WSW	9/W	18/WSW	31/W	26/W	28/W	41/WSW	37/SW	21/SW	25/SW	12/SW	6/WSW	4/NNE	13/ESE	13/E	18	41/WSW
05/15	15/E	16/ENE	5/NW	10/WNW	15/WSW	17/WSW	12/WNW	13/WNW	15/W	20/WSW	17/SW	5/WSW	12/WSW	18/W	21/W	35/WSW	39/W	41/WSW	58/WSW	29/SW	26/SW	38/SW	22/SW	10/S	21	58/WSW
05/16	3/N	4/NNW	6/WNW	9/WNW	13/WSW	14/W	20/W	12/NNW	18/W	38/WSW	22/WSW	17/WSW	18/SW	10/W	9/W	15/WNW	20/WSW	41/WSW	44/WSW	40/WSW	25/SW	20/SW	10/SW	10/WSW	18	45/WSW
05/17	8/WSW	7/S	13/ENE	7/N	6/ENE	3/W	17/WSW	5/WSW	18/W	1/S	12/W	4/ENE	9/NNE	5/E	6/NE	10/NW	7/NW	26/WSW	35/WSW	31/SW	22/WSW	20/SW	17/SW	7/S	12	35/WSW
05/18	11/S	5/SSE	6/ENE	8/NE	12/NE	2/SSW	24/WSW	27/W	12/WSW	17/WSW	13/WSW	12/WSW	7/WSW	7/WSW	11/N	6/N	15/WNW	17/W	25/WSW	19/SSW	9/S	11/SW	6/SE	8/SE	12	27/W
05/19	7/E	2/ENE	5/NNE	14/ENE	9/ENE	4/WSW	6/SSW	16/SW	59/SW	11/SW	5/S	9/SSW	27/SW	24/SSW	17/SW	15/SW	19/WSW	33/WSW	37/SW	21/SW	19/SSW	13/SW	14/SW	12/SW	17	59/SW
05/20	13/WSW	9/SW	8/SSE	7/SSE	10/SSW	22/W	16/W	25/WSW	24/SW	21/SW	21/SW	20/SW	19/SW	15/SW	6/SW	5/WSW	5/NE	10/E	8/N	12/WNW	22/WSW	21/SW	15/SW	7/SSE	14	25/WSW
05/21	13/SSE	9/E	10/ENE	14/ENE	6/ESE	6/SSE	6/SSE	4/S	14/SW	10/WNW	7/WNW	11/W	13/W	12/NW	7/NNW	8/ESE	6/ESE	13/N	19/NE	6/ESE	20/WSW	28/WSW	30/WSW	33/WSW	13	33/WSW
05/22	27/SW	23/SW	10/SW	15/S	12/SSW	7/SSE	10/S	20/WSW	28/WSW	28/SSW	13/SW	4/W	11/WNW	12/WNW	8/WNW	8/N	7/ESE	2/SE	10/N	16/NE	9/E	8/SW	24/WSW	20/WSW	14	28/WSW
05/23	17/SW	24/SW	4/SSE	6/SSW	10/WSW	6/SSE	5/S	10/WNW	28/W	50/WSW	37/WSW	30/WSW	14/SW	13/W	10/WSW	5/NE	2/ENE	9/ENE	6/NE	10/E	19/NE	10/ENE	7/WSW	28/WSW	15	50/WSW
05/24	29/W	26/WSW	26/SW	19/SW	10/SSW	14/SSE	11/SSE	10/WSW	24/WSW	27/WSW	17/WNW	23/NW	15/NW	19/W	16/WNW	7/WNW	7/N	2/NW	9/E	10/SSE	8/N	8/N	13/WNW	14/WNW	15	29/W
05/25	21/W	17/WSW	18/WSW	14/SW	12/SSW	5/SE	4/W	2/NNW	4/W	19/W	14/W	29/WSW	23/WSW	16/SSW	17/SSE	17/S	13/ENE	13/ENE	10/E	18/ENE	21/ENE	13/ESE	8/NNW	10/W	14	29/WSW
05/26	24/WNW	18/W	9/WNW	16/WSW	13/NW	6/N	5/SW	9/SSW	18/W	22/W	13/NNW	17/W	32/W	42/WSW	44/SW	31/SW	12/SSW	15/S	12/SSE	11/S	12/SSW	24/W	12/WNW	18/W	18	44/SW
05/27	28/SW	13/S	12/S	10/SW	8/ESE	7/S	10/ESE	5/E	4/ESE	5/NNE	10/NNW	18/NW	27/WSW	26/WSW	22/SW	13/SW	6/SE	8/E	5/ENE	3/SSE	9/ENE	5/ENE	6/NE	6/NNW	11	28/SW
05/28	7/NW	7/NW	8/NW	13/N	14/N	14/NE	11/ENE	7/SSE	7/E	20/N	18/ENE	12/ENE	16/ESE	9/E	5/S	20/WSW	26/WSW	15/SW	10/SSW	2/SE	7/NE	16/NE	17/NE	14/NE	12	26/WSW
05/29	6/ENE	18/SW	41/WSW	38/WSW	27/WSW	19/WSW	5/SW	2/SSW	6/SW	7/SW	5/NNW	11/SW	22/WSW	26/WSW	47/WSW	18/SSW	17/SW	18/SW	16/SSE	10/ESE	20/E	12/SE	6/N	6/NW	17	47/WSW
05/30	16/SW	34/WSW	32/SW	18/SW	63/SW	33/SW	23/WSW	5/SSW	14/ESE	12/ESE	4/ENE	5/ENE	8/SSE	13/SE	36/WSW	55/WSW	48/SW	33/SW	22/SW	13/SSE	12/E	7/E	2/NNE	4/SE	21	63/SW
05/31	31/WSW	22/WSW	9/S	15/SW	12/SSW	15/S	4/S	9/S	6/SSE	8/SE	11/SSE	9/SSE	11/ESE	5/NNE	6/SSE	9/WSW	17/W	10/SW	13/SSW	13/SSW	13/SSW	7/SSW	12/SSE	5/S	11	31/WSW
平均值	14	14	14	14	14	15	14	13	17	17	13	14	16	18	19	19	18	19	21	17	18	15	14	13		
最大值	31/WSW	34/WSW	41/WSW	43/WSW	63/SW	43/NNE	40/WSW	30/SW	59/SW	59/WSW	40/WSW	47/WSW	33/WSW	53/SW	47/WSW	55/WSW	48/SW	48/WSW	58/WSW	53/WSW	48/SW	38/SW	48/SW	41/SW		

[註 1]: 月平均流速= **16cm/s**, 最大流速= **63m/s**, 其流向爲 **SW**(去向)。流速分佈: <**25cm/s: 83.4%**,**25~50cm/s: 15.5%**,**50~70cm/s: 1.1%**,**75~100cm/s: .0%**,>**100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 16.4%**,**E~S: 14.0%**,**S~W: 51.4%**,**W~N: 18.2%**, 流向主軸:**WSW-ENE**(佔 **24.5%**), 主流向:**WSW**(佔 **19.1%**)。每小時記錄一次, 本月計 **743**筆 **(100%)**, 資料檔

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表3.6.7　2008 年 06 月 花蓮港測站 X 觀測逐時流速及流向月報表

2008年 **6**月 **1**日 **0**時 **0**分 ～ **2008**年 **6**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
06/01	8/E	4/ENE	5/NE	8/NNE	8/WNW	20/W	5/WSW	2/S	3/SSE	6/SW	5/W	5/SE	7/SE	9/ENE	10/ENE	14/NE	5/NNE	18/WSW	24/WSW	16/SW	5/SW	3/WSW	3/NNE	10/E	8	24/WSW
06/02	8/ENE	18/NE	18/NE	15/ENE	5/NNE	20/WSW	39/SW	11/SSW	22/SW	6/SW	15/SSW	13/SW	8/SSW	9/SE	6/ENE	7/NNE	5/WNW	33/WSW	38/WSW	41/WSW	37/WSW	24/WSW	15/SW	12/SW	18	41/WSW
06/03	8/NE	16/ESE	20/ENE	14/E	10/E	7/ENE	15/WSW	23/SW	15/SW	11/WSW	13/SW	20/SW	16/SW	16/WSW	6/SW	14/SSW	14/SW	12/W	28/WSW	28/SW	41/WSW	26/WSW	16/SSW	6/E	16	41/WSW
06/04	5/NE	5/E	10/E	4/S	10/E	4/WSW	37/WSW	24/NW	34/WSW	38/SW	6/SSW	5/S	1/W	2/NNW	6/W	17/WNW	16/W	23/WSW	24/SSW	18/SW	20/SSE	14/SE	13/ESE	19/E	15	38/SW
06/05	9/ENE	17/ENE	14/E	8/SSE	5/E	6/E	4/NNW	18/W	42/WSW	17/SSW	14/SSW	3/ESE	8/ENE	10/N	8/N	6/N	5/NNE	4/ESE	5/SSW	12/WSW	3/SW	10/SSW	6/SW	11/E	10	42/WSW
06/06	10/SE	10/E	13/E	10/ENE	15/NE	15/ENE	7/NE	10/NE	8/W	16/SSW	10/E	22/WSW	33/WSW	9/WNW	6/NW	5/WNW	6/E	11/ESE	9/SSW	13/SW	12/WSW	15/W	29/WSW	25/SW	13	33/WSW
06/07	8/SSW	8/NW	5/SW	12/SE	10/SE	5/S	8/N	9/NE	9/ESE	9/SSE	8/SSW	44/SW	18/SSW	24/SW	17/SSW	13/SSW	6/WSW	6/WSW	12/WSW	5/W	3/NNE	6/N	9/E	5/S	11	44/SW
06/08	17/SW	6/ENE	14/ENE	9/E	11/ESE	12/E	7/ENE	9/ENE	11/NE	12/ENE	5/SSE	8/SE	6/S	19/WNW	12/W	13/N	11/NNE	10/E	2/NE	17/NNE	27/NE	26/NNE	12/NE	13/ENE	12	27/NE
06/09	8/ESE	3/NE	12/NE	14/NNE	10/NE	9/E	10/N	14/NE	14/N	22/N	15/NNE	3/ENE	2/SE	9/WNW	7/WSW	5/E	12/NNE	11/NE	3/WSW	6/ESE	14/SSW	9/SSW	17/S	14/S	10	22/N
06/10	15/SSE	14/SSE	7/SSW	9/SSW	14/SW	1/ENE	3/SSW	7/WNW	7/SSW	4/E	5/SSE	12/E	15/SE	7/W	14/NNW	7/E	13/E	10/E	8/SE	3/SSE	12/E	10/SW	11/WSW	10/S	9	15/SE
06/11	8/ESE	7/ESE	8/E	11/ESE	6/ENE	11/NE	4/NNE	7/ESE	24/N	8/N	16/NE	15/ENE	4/E	10/NE	18/WSW	28/WSW	13/SW	15/SSW	9/SSE	7/WSW	11/WSW	29/WSW	33/SW	22/SSW	14	33/SW
06/12	25/SW	21/WSW	16/SW	11/SE	18/ESE	13/ESE	9/ESE	11/ESE	5/E	4/N	8/E	16/E	5/NNW	4/ENE	12/W	2/SSW	5/S	12/SW	5/SE	10/ESE	10/SSW	6/SW	18/W	24/W	11	25/SW
06/13	6/W	5/ESE	8/NNW	19/W	28/WSW	20/SW	17/SSE	6/SE	11/SE	6/SE	7/NNE	5/N	8/SW	21/WSW	29/WSW	16/WSW	23/SW	24/WSW	20/SW	10/S	18/E	12/E	14/E	9/SSE	14	29/WSW
06/14	7/ESE	16/ESE	5/ESE	15/ESE	19/ESE	14/ENE	18/NE	18/ENE	23/NE	14/NNE	14/NNE	9/NE	10/NNW	13/N	16/NNE	5/SW	19/WSW	40/WSW	38/SW	17/SW	7/W	2/ENE	12/SE	9/N	15	40/WSW
06/15	25/NNE	17/NE	10/NE	13/SE	4/SW	12/WSW	24/WSW	16/WSW	17/W	23/NNW	15/N	18/NNE	17/NE	16/NE	17/N	13/NNW	32/WSW	51/WSW	42/WSW	23/SW	12/SW	13/WNW	13/W	6/W	19	51/WSW
06/16	4/NNE	6/WSW	14/SW	12/WSW	23/WSW	30/WSW	35/SW	38/SW	13/WSW	4/SSW	17/SE	13/N	14/ESE	18/ESE	13/ESE	15/SE	13/ESE	12/ESE	10/ESE	12/ESE	15/E	12/ESE	5/ESE	10/ENE	15	38/SW
06/17	11/SE	6/ESE	12/ENE	6/N	16/ENE	12/E	4/E	16/W	49/SW	37/SW	18/W	3/SW	13/ENE	15/NNE	9/ENE	15/NE	9/NNE	11/NE	4/NNE	4/NNE	7/NE	7/ENE	13/ENE	11/ESE	13	49/SW
06/18	13/ESE	9/E	7/ENE	18/NE	22/E	26/ENE	24/ENE	17/ENE	9/NE	6/WSW	14/WSW	11/W	4/WSW	9/NNE	21/NNE	13/ENE	28/NNE	26/NE	10/ESE	12/NNE	1/SW	16/SW	7/WSW	4/SSE	14	28/NNE
06/19	7/ENE	5/N	15/NNE	22/ENE	12/ENE	15/ENE	13/ESE	14/S	55/WSW	37/WSW	21/SW	18/WSW	14/WSW	4/SSW	10/ENE	8/E	8/E	11/E	8/E	6/NE	17/N	6/N	3/SW	4/NE	14	55/WSW
06/20	3/NW	3/NE	5/E	7/NNW	19/N	15/NNE	6/NW	7/S	25/WSW	35/WSW	30/SW	13/SSW	21/WSW	19/W	14/NNW	12/NNE	6/NNE	10/WSW	13/SW	2/SW	7/NE	13/WSW	18/W	19/SW	13	35/WSW
06/21	12/SW	10/SSW	10/SSE	12/ESE	5/ESE	12/N	10/N	6/N	8/SW	19/WSW	15/S	11/S	12/W	29/W	27/W	8/ENE	6/SE	8/NE	5/ESE	4/SSE	11/ESE	5/SE	13/W	4/N	11	29/W
06/22	8/NNW	20/NNW	13/NNE	21/ENE	16/E	17/ENE	13/ENE	17/ENE	9/NNW	18/NW	12/WSW	10/WSW	8/WSW	37/WSW	33/WSW	12/WNW	15/W	12/NW	23/NNW	32/N	39/NNE	23/NNE	17/NE	2/S	18	39/NNE
06/23	11/WSW	13/WSW	19/W	8/WNW	7/NNE	15/NNE	30/NNE	22/NNE	*	21/N	3/SW	16/SW	4/S	11/NW	7/S	6/SSE	6/SE	4/N	2/S	2/ESE	24/SW	14/SSW	16/S	6/SSE	12	30/NNE
06/24	11/ESE	13/ESE	10/E	11/E	9/ENE	13/ESE	18/E	24/ENE	16/NE	24/SW	29/SSW	29/WSW	36/SW	23/W	12/WSW	9/SE	11/W	2/WNW	9/ESE	12/NE	19/NE	15/NE	11/E	6/SW	15	36/SW
06/25	12/SSW	3/SSW	11/W	9/SE	11/ENE	15/ENE	19/E	16/ESE	16/E	16/ENE	*	37/SW	14/SW	59/SW	41/WSW	35/WSW	12/SSW	12/N	7/ENE	11/ENE	16/NNE	16/ENE	5/S	10/WSW	18	60/SW
06/26	33/WSW	18/WSW	8/S	11/SSE	4/ESE	11/SE	10/E	16/N	19/NNE	9/E	21/SW	54/WSW	19/SSE	32/SE	23/ESE	20/ESE	6/NE	8/WNW	15/NE	5/ENE	5/SSE	11/ESE	10/NE	7/NE	16	54/WSW
06/27	4/WSW	23/W	1/NNW	3/N	9/NE	9/E	10/E	5/ESE	1/NE	7/NE	13/WSW	23/WSW	19/WNW	28/WSW	52/WSW	32/WSW	19/SW	18/SSE	19/SE	14/NE	16/ENE	9/ENE	16/E	11/ESE	15	52/WSW
06/28	8/ESE	12/WSW	34/SW	17/SW	13/SSW	12/SSE	16/WSW	11/W	9/SW	29/WSW	39/WSW	39/SW	25/SSW	22/S	19/ENE	38/ENE	23/E	8/ENE	12/ENE	12/E	5/ENE	16/ENE	12/NE	8/NNE	18	39/WSW
06/29	13/NE	16/NE	21/NE	28/N	19/NNE	15/ENE	17/ENE	15/ENE	14/N	19/NNE	20/NE	7/NW	42/WSW	40/WSW	20/SW	16/S	27/SSE	14/E	11/E	13/ESE	9/ESE	9/ESE	13/E	8/E	18	42/WSW
06/30	6/E	8/ENE	4/W	20/WSW	20/WSW	9/WSW	*	12/NW	8/N	11/WNW	12/NE	9/N	10/NNW	29/WSW	41/WSW	31/WSW	6/W	10/SSW	12/NW	14/WNW	8/W	5/SSW	23/SSE	19/ENE	14	41/WSW
平均值	11	11	12	12	13	13	15	14	17	16	14	16	14	18	18	14	13	15	14	13	14	13	13	11		
最大值	33/WSW	23/W	34/SW	28/N	28/WSW	30/WSW	39/SW	38/SW	55/WSW	38/SW	39/WSW	54/WSW	42/WSW	60/SW	52/WSW	38/ENE	32/WSW	51/WSW	42/WSW	41/WSW	41/WSW	29/WSW	33/SW	25/SW		

[註 **1**]: 月平均流速= **14cm/s**, 最大流速= **59m/s**, 其流向爲 **SW**(去向)。流速分佈: <**25cm/s: 89.4%**,**25**~**50cm/s: 9.9%**,**50**~**70cm/s: .7%**,**75**~**100cm/s: .0%**,>**100cm/s: .0%**。

[註 **2**]: 流向分佈: **N**~**E: 31.1%**,**E**~**S: 23.3%**,**S**~**W: 35.4%**,**W**~**N: 10.2%**, 流向主軸:**WSW-ENE**(佔 **24.3%**), 主流向:**WSW**(佔 **14.4%**)。每小時記錄一次, 本月計 **717**筆 **(100%)**, 資料檔名:**C086HLX0.1HA**。

港灣技術研究中心

名:C087HLX0.1HA。

表3.6.8　2008 年 07 月 花蓮港測站 X 觀測逐時流速及流向月報表

2008年 **7**月 **1**日 **0**時 **0**分 ～ **2008**年 **7**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
07/01	23/NE	18/NE	10/NNE	12/NE	5/NNW	13/NNE	5/ENE	7/WSW	12/WNW	8/NW	8/NNW	11/N	11/N	5/W	14/WNW	22/W	18/SSW	20/WSW	29/WSW	29/WSW	20/WSW	11/SSW	11/SSE	18/ESE	14	29/WSW
07/02	23/ENE	23/ENE	17/E	4/E	18/N	13/NNE	17/ENE	14/E	5/SW	23/SW	22/SW	8/WNW	7/NE	2/N	3/ENE	7/W	5/N	16/NNE	15/NE	9/ENE	13/NE	12/ENE	7/E	9/NE	12	24/ENE
07/03	19/ENE	15/ENE	16/E	16/E	10/ENE	5/N	6/SW	13/W	2/E	7/SSE	13/SSW	47/WSW	14/WNW	10/NNW	15/NW	5/SW	15/WSW	14/S	10/SE	23/SSE	7/SW	17/SW	23/SSW	6/WSW	14	47/WSW
07/04	14/SE	12/ESE	17/ENE	14/ENE	13/E	17/ENE	22/ENE	20/E	15/ESE	10/ENE	8/ENE	19/W	19/W	15/NW	12/N	9/ENE	4/ENE	9/W	8/WNW	28/WSW	40/W	37/SW	18/SW	13/SW	16	40/W
07/05	11/SSW	13/SE	21/ESE	14/ENE	20/ENE	17/N	5/ENE	6/WNW	20/WSW	35/SW	19/S	24/SSE	12/SW	10/NNW	11/NW	11/NNW	10/N	7/NW	10/NE	22/NE	10/NNE	4/SE	4/SW	5/NNW	13	35/SW
07/06	12/NNE	17/NNW	21/N	14/NE	5/ENE	9/ESE	9/NE	10/NE	14/W	51/WSW	30/WSW	25/S	24/SSE	25/W	16/WNW	9/WSW	3/SSW	27/N	35/NNE	26/NNE	31/NE	12/ENE	6/SSE	44/WSW	20	51/WSW
07/07	33/WSW	13/SSW	10/SSW	14/SSE	8/ESE	11/NNE	17/ENE	5/ENE	10/ESE	4/W	42/WSW	34/WSW	46/WSW	41/SW	25/SSW	14/S	11/ESE	3/SSE	12/S	4/SSE	8/WSW	66/SW	59/WSW	37/SW	22	66/SW
07/08	19/SW	26/SW	13/S	6/SE	12/NE	19/ENE	15/E	12/E	6/NE	21/WSW	52/SW	32/SW	14/S	19/SE	18/SW	5/S	6/ESE	3/E	18/W	36/WSW	43/SW	30/SW	17/SW	7/SE	19	52/SW
07/09	19/SSW	3/WSW	5/SSW	16/SE	10/E	8/SE	8/E	8/ESE	16/E	19/ESE	7/SE	26/WSW	16/S	47/SW	49/SW	14/SSW	4/S	36/E	22/ENE	28/E	19/ESE	20/E	14/ENE	10/E	18	49/SW
07/10	14/W	20/N	20/NNE	31/N	23/N	20/N	23/N	16/N	11/NW	9/WSW	11/NNW	25/W	35/WSW	35/SW	54/WSW	43/SW	37/SW	19/SSW	8/SSE	26/ESE	7/SW	15/SSW	14/SSW	12/WSW	22	54/WSW
07/11	41/SW	36/SW	27/SW	19/SW	30/WSW	14/SSW	9/S	11/SE	12/SE	8/SE	17/WSW	29/WSW	15/SW	10/SSW	20/SSE	6/SSW	5/S	6/SE	2/S	2/N	7/NNW	5/NNE	9/NE	9/ENE	15	41/SW
07/12	11/E	13/E	14/ESE	15/ESE	9/E	10/ESE	12/N	9/NE	7/W	7/NE	7/ENE	5/WSW	6/SSW	17/WSW	5/WNW	17/SSW	17/WSW	37/WSW	27/SW	24/SW	36/WSW	29/WSW	31/SW	18/S	16	37/WSW
07/13	16/SE	9/SE	9/E	8/NE	9/ENE	6/WSW	27/WSW	15/WSW	1/ENE	*	10/S	5/SE	10/NNE	15/NE	8/E	18/ENE	14/E	11/E	13/NE	8/ENE	9/E	15/E	15/E	8/ENE	11	27/WSW
07/14	31/NNE	22/NE	16/NNE	16/NE	12/E	5/S	42/WSW	19/SW	10/SSE	5/S	29/SW	31/SW	19/SW	22/S	18/WSW	6/W	11/ESE	17/ESE	15/E	14/E	6/SE	2/NNE	13/E	10/NE	16	42/WSW
07/15	7/NE	1/SSW	4/NNE	18/NE	11/NE	18/E	10/E	5/SE	7/WNW	28/WSW	36/WSW	43/WSW	39/SW	32/SW	21/SW	26/SW	17/SSW	16/ESE	12/ESE	33/E	31/ENE	31/E	28/ENE	17/E	20	43/WSW
07/16	11/ENE	5/ENE	11/ENE	12/E	16/ESE	26/ESE	17/E	11/ESE	6/SE	3/S	28/WSW	40/SW	33/WSW	35/SW	30/SW	10/SW	14/SSW	30/WSW	35/WSW	29/WSW	33/SW	20/SW	24/SW	18/WSW	21	40/SW
07/17	18/SW	20/SSW	6/SE	15/SSE	12/SE	15/ESE	13/ESE	7/SE	30/WSW	56/WSW	20/SSW	27/SSW	21/S	22/SSW	14/SSW	9/S	5/SE	12/ENE	6/E	15/E	19/ESE	20/ENE	14/ENE	11/E	17	56/WSW
07/18	4/SSE	13/ESE	14/E	9/E	5/SSE	4/E	6/NNE	16/NNE	6/NE	2/SE	8/WSW	7/WNW	2/NE	4/SE	8/SSE	9/S	6/WNW	25/WSW	12/S	18/S	13/S	5/S	7/SE	10/WSW	9	25/WSW
07/19	13/WSW	4/NNE	8/ENE	13/ENE	9/ENE	12/ENE	64/SW	49/SW	8/S	14/S	12/SSW	23/WNW	23/WSW	11/WSW	6/W	7/WSW	6/SW	19/W	31/SW	24/SSW	16/SE	8/SE	4/W	4/SE	16	64/SW
07/20	5/SSW	8/NNW	7/NNW	9/E	15/E	7/NNE	11/NW	48/SW	34/W	23/S	18/S	17/SW	42/SW	46/SW	22/SW	10/SSW	36/SW	36/SW	37/SW	28/SSE	32/E	35/ENE	12/SSE	12/SSE	23	48/SW
07/21	7/E	10/SW	7/WSW	11/SE	13/E	15/E	9/W	43/WSW	61/SW	31/SW	13/SSE	9/SE	30/WSW	11/SW	9/SSW	4/SSE	3/ESE	21/WSW	21/WSW	22/SSW	23/ESE	23/ESE	11/SSE	5/SSW	17	61/SW
07/22	20/WSW	23/WSW	5/SSE	6/SE	12/SSE	10/S	25/WSW	44/SW	33/SSE	21/ESE	22/ENE	6/NE	2/WNW	8/SSW	4/WNW	7/SW	2/WNW	9/ENE	12/E	23/ESE	46/NE	39/NE	41/NE	20/NNE	18	46/NE
07/23	25/NNE	19/NNW	60/NNE	48/NNE	19/N	22/WNW	20/N	8/NW	34/WNW	32/WSW	10/WSW	4/W	3/NNE	11/WNW	19/SW	14/W	6/NW	17/NNE	6/E	9/W	22/SSW	11/WSW	9/SSE	6/ESE	18	60/NNE
07/24	8/ESE	8/SE	3/NE	5/NW	22/NE	13/ENE	19/NE	14/ENE	19/E	14/SSW	50/SW	53/WSW	43/SW	30/SW	31/WSW	21/WSW	13/SW	6/SW	8/SSE	6/ESE	27/WSW	27/SSW	14/SSE	23/WSW	20	53/WSW
07/25	12/W	14/SSE	14/SW	4/E	12/SE	13/E	12/ENE	9/ENE	11/ENE	11/WSW	32/WSW	27/WSW	18/WSW	17/SW	30/SW	9/SSW	7/W	5/SW	5/W	5/SSE	13/WSW	13/W	15/E	22/ESE	14	32/WSW
07/26	9/E	5/ESE	10/SW	32/W	35/W	5/W	10/NE	7/E	5/E	8/SW	26/SW	32/WSW	31/SSW	11/SSW	28/WSW	22/WSW	26/SW	16/SE	15/SSE	25/E	32/E	35/ENE	35/E	21/E	20	35/E
07/27	22/ENE	12/ENE	17/E	11/SW	9/WSW	7/WSW	6/SW	8/SSE	3/W	5/W	19/W	12/SSW	24/SW	57/SW	20/S	19/S	20/S	7/SSE	14/SSE	14/SE	14/SE	14/SE	18/SE	23/SE	16	57/SW
07/28	21/ESE	30/SSE	21/SE	30/ESE	22/SE	42/SE	67/ESE	87/SE	51/SSE	30/SSE	38/SE	35/ESE	37/ESE	40/E	36/ESE	38/ESE	68/E	59/E	42/N	45/SE	38/SE	31/SE	48/SE	31/ESE	41	87/SE
07/29	39/ESE	30/ESE	*	25/SE	19/SSE	25/WSW	73/SW	36/W	21/SSW	19/SSE	19/SSE	16/SSE	40/E	36/NE	42/NE	15/E	18/NNE	19/NW	26/W	42/WSW	38/WSW	20/WSW	10/SSW	24/SW	28	73/SW
07/30	15/W	16/W	28/W	36/WNW	16/W	3/E	17/SSE	13/SSE	6/E	57/WSW	9/WSW	21/WSW	22/WSW	20/W	9/S	9/SE	6/SSW	18/W	17/NW	10/N	8/WSW	17/WSW	9/WSW	9/SW	16	57/WSW
07/31	6/WSW	6/NE	14/NNE	25/N	48/NNE	26/NNE	8/N	16/SW	9/SE	3/SSE	5/W	14/W	16/WSW	24/WSW	43/SW	41/SW	48/S	35/E	35/E	34/ENE	22/E	21/E	12/E	3/E	22	48/S
平均值	17	15	15	16	15	14	20	19	16	19	21	23	22	22	21	15	15	19	18	21	22	21	18	15		
最大值	41/SW	36/SW	60/NNE	48/NNE	48/NNE	42/SE	73/SW	87/SE	61/SW	57/WSW	52/SW	53/WSW	46/WSW	57/SW	54/WSW	43/SW	68/E	59/E	42/N	45/SE	46/NE	66/SW	59/WSW	44/WSW		

[註 **1**]: 月平均流速= **18cm/s**, 最大流速= **87m/s**, 其流向爲 **SE**(去向)。流速分佈: <**25cm/s: 76.5%**,**25**~**50cm/s: 20.9%**,**50**~**70cm/s: 2.4%**,**75**~**100cm/s: .1%**,>**100cm/s: .0%**。

[註 **2**]: 流向分佈: **N**~**E: 24.0%**,**E**~**S: 26.5%**,**S**~**W: 38.4%**,**W**~**N: 11.1%**, 流向主軸:**WSW-ENE**(佔 **21.4%**), 主流向:**WSW**(佔 **13.5%**)。每小時記錄一次, 本月計 **742**筆 **(100%)**, 資料檔

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表3.6.9　2008 年 08 月 花蓮港測站 X 觀測逐時流速及流向月報表

2008年 **8**月 **1**日 **0**時 **0**分 ～ **2008**年 **8**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
08/01	27/NE	19/ENE	16/E	25/ENE	30/E	8/SSW	21/SW	15/S	5/SSW	15/SE	18/WSW	24/WSW	24/WSW	31/SW	41/SW	25/SW	37/WSW	24/SSW	19/ESE	34/ESE	19/E	4/ENE	6/W	7/WSW	21	41/SW
08/02	5/W	12/WNW	14/NE	16/ESE	5/SSW	3/E	35/W	60/WSW	42/WSW	19/S	14/SSE	2/NNE	8/WNW	7/NW	8/ESE	11/SSE	10/S	3/ENE	26/E	37/E	25/ENE	21/E	16/NE	10/NNE	17	60/WSW
08/03	33/NNE	42/NNE	37/NNE	55/NNE	66/NNE	64/NNE	51/NNE	24/NNE	10/NNW	28/WSW	19/WSW	10/WSW	10/WSW	7/W	3/NE	2/NE	2/NW	18/NNE	20/ENE	11/SSE	47/SW	35/SSW	26/SSW	18/W	27	66/NNE
08/04	8/NW	8/ENE	9/E	7/ESE	7/NE	12/ESE	17/SE	7/SSE	23/W	41/WSW	28/SW	24/SW	43/WSW	39/SW	31/WSW	16/SW	7/SE	11/ESE	17/ESE	3/SSE	37/SW	48/SW	39/WSW	17/SW	21	48/SW
08/05	25/W	14/WSW	4/SE	16/E	14/E	14/ESE	11/E	26/E	13/SW	43/SW	49/WSW	17/SSW	13/SW	12/SSW	21/W	16/WSW	12/ESE	16/SE	1/SE	7/WNW	41/SW	20/WSW	19/SSW	20/SSW	19	49/WSW
08/06	8/SSW	5/SSE	11/SSE	15/NE	10/ENE	11/SW	31/WSW	25/WSW	14/SSW	11/SSW	12/WSW	13/SSW	30/SW	11/S	13/SW	8/SSE	13/S	6/NE	11/E	7/NNW	5/NW	37/WSW	47/SW	35/WSW	16	47/SW
08/07	16/SSE	23/ESE	26/SE	11/ENE	29/N	32/NE	12/E	6/NE	13/N	13/W	25/W	45/SW	26/WSW	25/WSW	15/WSW	10/ESE	20/E	27/N	28/NE	24/E	23/ESE	10/E	57/WSW	80/SW	25	80/SW
08/08	50/SW	35/SW	18/S	16/SE	17/ENE	20/NE	21/ENE	12/S	71/WSW	54/WSW	43/SW	33/SW	31/SSW	18/SSE	18/SW	8/SSW	8/E	5/ENE	6/ENE	23/E	28/SSW	16/W	52/WSW	24/SW	26	71/WSW
08/09	43/SW	20/S	18/SSE	12/ESE	12/E	17/E	17/E	12/E	7/ESE	58/SW	43/WSW	7/W	11/W	13/NNE	8/NNW	6/WSW	10/NNE	7/N	11/E	13/ENE	18/SE	9/ENE	8/NE	14/ENE	16	58/SW
08/10	14/SW	49/WSW	43/WSW	27/S	10/ESE	12/NE	5/NNE	11/ENE	5/ENE	6/NNE	13/WSW	9/W	12/W	3/ENE	24/N	29/NNE	27/NNE	23/NE	14/NE	23/NE	11/ENE	7/NNW	4/E	7/WNW	16	49/WSW
08/11	5/NNE	15/N	14/NNE	19/NE	12/W	18/WSW	19/W	13/NNW	6/ENE	1/SSE	5/SSW	13/SW	10/SSW	16/SSW	20/SSW	16/NW	8/NNE	12/ENE	9/SE	14/ESE	5/ESE	9/SE	9/ENE	16/N	12	20/SSW
08/12	11/NE	16/NNE	7/NNE	6/WNW	27/W	44/SW	17/SSW	12/SE	6/E	7/NE	2/SW	15/WSW	23/WSW	26/WSW	28/SW	40/WSW	42/SW	24/SW	15/SSW	22/SE	26/ESE	13/SE	7/SSE	9/S	18	44/SW
08/13	8/W	12/NE	15/ENE	10/ESE	40/SW	42/WSW	48/SW	15/SSW	22/SSE	9/SSE	4/SSW	2/SSE	6/NE	14/ESE	19/SE	23/ENE	29/ENE	28/E	21/ENE	15/ENE	14/ENE	8/ENE	8/ENE	9/ENE	18	48/SW
08/14	12/E	15/E	16/ESE	9/ESE	5/W	15/SW	28/WSW	35/SW	13/SSE	10/SE	5/SSE	8/SW	16/WSW	17/WSW	9/W	9/SSE	8/SSW	7/E	29/E	23/E	18/ESE	12/E	7/SE	11/ESE	14	35/SW
08/15	5/S	18/WSW	38/SW	14/NW	9/W	4/NNE	16/ESE	14/SW	5/SE	3/SE	10/ENE	4/WNW	11/NNE	5/NNE	4/SSW	6/S	6/NNE	10/NNE	16/W	14/W	10/WSW	4/SSE	7/SSE	6/E	10	38/SW
08/16	9/ENE	7/ESE	6/SE	5/E	3/S	9/W	13/WSW	34/SW	26/SSW	20/SW	14/SW	11/SSW	7/SW	8/N	3/SSE	10/E	8/ESE	7/E	29/NNE	13/NNE	9/W	7/S	8/SE	8/SSE	11	34/SW
08/17	7/ESE	9/SE	2/N	14/NE	9/NE	10/E	10/SSE	24/WSW	49/SW	26/SW	27/SW	7/W	13/ESE	7/WNW	3/S	13/NNE	23/ENE	25/ENE	12/ENE	21/E	14/SE	7/SE	10/SE	4/NNW	14	49/SW
08/18	2/ENE	3/W	5/NE	11/ENE	16/NE	8/ESE	15/NE	17/NNE	21/NE	9/ENE	6/SW	19/WSW	8/WSW	23/W	11/W	16/N	16/N	11/NNE	12/NE	10/NE	18/NNE	9/SE	5/W	9/NW	12	23/W
08/19	4/WNW	5/W	3/NW	2/NE	5/SSW	13/S	12/SE	19/SW	26/WSW	13/S	23/SW	9/W	15/W	13/WSW	5/WNW	9/NNE	4/ENE	8/E	23/NE	8/E	11/SSW	16/WSW	14/SSW	9/SSE	11	26/WSW
08/20	5/SE	3/N	7/NE	9/NE	5/SE	4/N	4/NNE	24/NNE	7/S	27/WNW	19/WNW	27/W	40/WSW	15/SW	7/SSW	7/NNE	11/NE	6/SE	13/SE	27/SSE	9/SE	23/SSE	20/S	7/SW	14	40/WSW
08/21	10/S	13/S	5/SE	5/SE	5/E	14/ESE	20/E	16/ESE	10/ENE	1/E	9/NW	7/W	*	11/SSE	12/WSW	*	*	8/ENE	5/ENE	3/SE	3/WSW	10/SE	7/N	18/NE	9	20/E
08/22	11/NE	9/NE	7/NNW	8/NNW	9/NNW	10/NNE	3/NNE	14/N	11/N	19/W	20/WSW	9/SW	18/SSW	18/SSW	12/WSW	7/SW	11/E	11/ENE	7/ENE	10/NE	15/NW	27/W	26/SSW	27/S	13	27/W
08/23	5/SSE	6/W	18/NNE	10/NNW	13/NNW	19/WNW	12/N	8/NNE	19/NW	24/SW	14/W	21/W	10/WNW	15/WNW	19/W	10/WNW	13/W	16/SW	8/SW	5/SE	9/SSE	6/SSW	2/NE	7/W	12	24/SW
08/24	15/WSW	7/SW	61/W	6/SSW	14/SE	19/E	31/ENE	24/ENE	12/NNE	*	4/SW	*	16/W	14/W	12/W	5/WNW	10/ENE	5/ENE	7/NNW	6/ENE	8/SSE	8/E	11/E	13/ESE	14	61/W
08/25	9/ESE	40/WSW	47/WSW	14/WSW	7/SE	20/ENE	21/ENE	20/ENE	17/NE	8/WNW	10/NNW	14/N	9/N	17/WNW	11/NW	13/NW	6/NW	4/NNW	3/W	3/NE	10/E	12/E	13/ENE	12/E	14	47/WSW
08/26	14/E	10/E	9/NE	10/WSW	21/W	3/NE	9/ESE	16/E	10/ENE	6/NE	6/NE	8/N	8/N	6/NNW	8/NW	22/WNW	22/W	19/W	15/WNW	7/WSW	9/ESE	12/E	12/ENE	13/ENE	12	22/WNW
08/27	14/E	16/ENE	19/ENE	11/ENE	6/E	5/WSW	7/ENE	10/E	18/ENE	4/ENE	3/NNW	14/NNW	16/NNW	8/NNE	6/E	5/E	12/E	5/SE	4/SE	5/E	4/N	9/ENE	11/NE	5/ENE	9	20/ENE
08/28	8/E	15/E	7/ESE	12/SE	39/WSW	30/WSW	11/SSE	17/SE	16/ENE	30/E	15/E	19/E	11/ENE	13/ESE	8/ESE	14/ENE	16/NE	6/NE	6/E	9/NNE	10/NNE	10/ENE	5/NNE	3/NNE	14	39/WSW
08/29	10/ENE	14/E	13/E	12/ENE	8/ENE	3/ENE	4/E	7/NE	14/WNW	14/WNW	18/NNW	28/NNE	26/NNE	13/NE	17/NE	12/ENE	13/NNE	22/WNW	21/WNW	4/NW	10/W	4/ENE	9/NE	5/NE	13	28/NNE
08/30	7/ENE	15/ENE	11/ENE	13/ENE	9/ENE	2/ENE	15/WNW	21/WNW	9/WNW	11/W	18/W	17/W	27/WSW	19/WSW	8/WNW	5/N	3/W	9/WNW	25/WSW	20/SW	43/WSW	8/SW	8/ENE	8/E	14	43/WSW
08/31	9/E	12/E	15/E	11/E	6/E	14/ENE	8/E	5/WNW	11/N	5/ENE	9/NW	19/NNW	22/NNW	21/NNE	18/NNE	12/NNE	12/NNE	7/NNW	17/W	7/SSW	2/N	16/SSE	6/NE	5/ESE	11	22/NNW
平均值	13	16	17	13	15	16	18	18	17	18	16	15	17	15	14	13	14	13	15	14	17	14	15	14		
最大值	50/SW	49/WSW	61/W	55/NNE	66/NNE	64/NNE	51/NNE	60/WSW	71/WSW	58/SW	49/WSW	45/SW	43/WSW	39/SW	41/SW	40/WSW	42/SW	28/E	29/NNE	37/E	47/SW	48/SW	57/WSW	80/SW		

[註 **1**]: 月平均流速= **15cm/s**, 最大流速= **80m/s**, 其流向爲 **SW**(去向)。流速分佈: <**25cm/s: 84.7%**,**25**~**50cm/s: 13.7%**,**50**~**70cm/s: 1.5%**,**75**~**100cm/s: .1%**,>**100cm/s: .0%**。

[註 **2**]: 流向分佈: **N**~**E: 34.0%**,**E**~**S: 22.2%**,**S**~**W: 29.1%**,**W**~**N: 14.7%**, 流向主軸:**ENE-WSW**(佔 **21.2%**), 主流向:**ENE**(佔 **11.5%**)。每小時記錄一次, 本月計 **739**筆 (**99%**), 資料檔名:**C088HLX0.1HA**。

港灣技術研究中心

表3.6.10　2008 年 09 月 花蓮港測站 X 觀測逐時流速及流向月報表

2008年 **9**月 **1**日 **0**時 **0**分 ～ **2008**年 **9**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
09/01	15/ENE	14/ESE	19/E	20/E	14/E	13/E	13/NE	3/N	4/SW	6/NE	5/N	7/WSW	21/WSW	26/WSW	23/SW	6/SSW	2/N	5/WNW	2/N	20/W	51/WSW	16/WSW	14/W	18/WSW	14	51/WSW
09/02	7/SSW	10/ENE	20/ESE	18/E	16/SE	6/E	12/ENE	7/ENE	11/WNW	18/WSW	26/WSW	29/WSW	29/WSW	28/SW	18/SSW	13/S	12/SSE	12/SE	11/SSE	9/WNW	59/WSW	28/WSW	19/SW	15/SSW	18	59/WSW
09/03	10/SSE	17/E	10/ESE	25/ENE	15/E	13/E	16/E	7/E	12/WNW	30/W	18/WSW	22/SW	25/SW	22/WSW	26/WSW	20/SW	17/SW	16/SSW	11/SSW	9/WSW	42/WSW	10/SW	3/SW	8/SW	17	42/WSW
09/04	4/ENE	10/E	24/ENE	29/E	27/ENE	23/E	25/E	15/ENE	2/NW	19/WSW	14/WSW	6/WSW	7/WSW	5/ENE	2/E	4/SSW	4/E	15/ENE	20/ENE	22/E	12/NE	7/N	29/W	27/W	15	30/E
09/05	9/NW	7/ESE	13/E	19/ENE	14/E	25/ENE	26/NE	19/ENE	9/E	19/W	10/W	7/NW	10/SSW	10/NNW	4/W	7/E	11/ENE	3/N	3/WNW	14/SE	8/SSE	6/SE	36/WSW	6/SW	12	36/WSW
09/06	24/WSW	7/NNW	10/ESE	27/SSE	14/ESE	11/E	10/E	20/ENE	11/ENE	8/W	16/WNW	17/W	15/W	16/W	16/W	15/W	9/E	2/S	14/ENE	13/E	9/NE	9/W	14/SW	7/SW	13	27/SSE
09/07	6/E	13/SE	19/ESE	27/E	17/E	23/ESE	13/ENE	27/ENE	14/E	3/NE	11/SW	7/SSW	10/WSW	17/WSW	15/WSW	15/W	9/WSW	11/SSW	2/S	4/SSE	19/E	12/N	9/N	4/NNW	13	27/E
09/08	2/SW	5/W	4/E	3/ESE	6/ESE	15/ENE	18/ENE	14/ENE	16/WSW	14/WSW	18/WSW	23/WSW	22/WSW	20/WSW	13/WSW	18/WNW	28/WNW	23/W	17/SW	17/SSE	6/W	10/E	11/ESE	6/WNW	14	28/WNW
09/09	9/ESE	13/SSE	4/E	5/E	14/SSE	15/E	28/E	21/ENE	20/ENE	7/WSW	25/WSW	20/WSW	22/WSW	22/W	15/W	10/WSW	17/S	20/SSE	8/SSW	10/SSE	12/SW	15/W	7/S	3/SE	14	28/E
09/10	8/WSW	4/S	6/WSW	26/WSW	24/WSW	8/E	15/E	12/E	18/S	26/SW	30/SW	26/SW	22/WSW	23/WSW	14/W	25/W	17/W	7/SE	20/SE	14/SE	10/SSE	14/ESE	10/SE	11/S	16	30/SW
09/11	13/S	37/ESE	19/E	16/SE	12/S	10/SSE	24/S	23/SSE	29/S	45/S	47/SSW	45/S	36/SSW	31/SSW	25/SSW	18/SSW	14/S	32/SE	23/SE	20/SSW	26/S	32/S	25/SSW	22/S	26	47/SSW
09/12	17/S	23/SW	10/W	22/SSE	17/SSW	5/SSW	14/ESE	30/ESE	26/E	34/ESE	36/SE	34/ESE	24/ESE	31/S	35/SSE	23/SE	17/SSE	13/SSW	11/SSE	26/SSE	15/ESE	17/SE	16/SE	19/ESE	22	36/SE
09/13	19/SE	17/ESE	33/E	19/E	2/ESE	9/SE	12/SE	9/SE	10/SE	10/SSE	16/ENE	18/ENE	27/E	13/E	7/SSE	7/WNW	11/WSW	15/W	15/WNW	11/WNW	6/NNW	20/SSW	19/ENE	21/E	14	33/E
09/14	12/ESE	11/ESE	24/ENE	18/E	12/NNE	21/W	24/SW	6/S	7/N	26/S	32/S	13/S	8/S	27/S	30/S	25/SSE	26/SE	23/SE	21/SSE	26/SE	23/SSE	24/SSE	21/SSE	17/E	20	32/S
09/15	10/E	5/N	14/SE	28/SE	21/SE	21/SE	19/ESE	12/ENE	6/E	13/SSE	26/E	14/ESE	16/S	19/SE	14/ESE	20/E	13/SE	16/N	26/NW	40/WNW	20/WNW	10/N	7/W	30/ENE	18	40/WNW
09/16	28/ENE	22/E	33/E	30/ENE	28/E	20/NNE	22/NNW	26/W	4/W	13/NE	9/NNE	14/SSW	33/WSW	15/WSW	24/SSW	16/SE	10/ENE	19/N	12/NNW	26/SW	11/SE	17/S	17/SSE	16/E	19	33/E
09/17	28/E	32/ENE	24/ENE	13/E	19/E	14/ENE	6/NNE	6/NNE	10/E	7/ESE	3/WNW	8/NW	15/N	23/NW	22/NNW	10/WSW	8/W	14/S	18/SE	10/S	21/W	20/W	7/WSW	13/SSW	15	32/ENE
09/18	5/ESE	6/SSE	5/SSE	20/E	20/E	16/ESE	16/ESE	9/ENE	4/W	13/W	9/NW	12/WNW	25/W	21/WSW	13/SW	9/WSW	12/SW	18/SW	14/SSE	14/SE	20/WSW	14/WSW	3/ESE	8/E	13	25/W
09/19	10/NE	11/ESE	19/E	15/ESE	26/ESE	19/E	13/ESE	4/SE	16/WSW	3/ENE	3/ESE	15/W	11/WNW	16/WNW	11/NW	5/NNW	4/N	5/W	7/W	15/WSW	27/WSW	25/WSW	24/SW	10/SSE	13	27/WSW
09/20	8/ESE	18/ESE	21/ESE	16/SE	13/ESE	19/E	28/ESE	15/ESE	14/WSW	3/ESE	11/E	*	21/ENE	22/NE	14/ENE	12/ENE	7/ENE	11/NE	25/ENE	12/ENE	12/NE	16/WNW	30/W	16/W	16	30/W
09/21	9/W	9/WNW	2/NNW	12/SE	11/ESE	19/E	23/ENE	22/ENE	12/ENE	20/W	18/WSW	23/W	24/WSW	19/WSW	16/WSW	20/SSW	15/SW	11/SSW	8/SSE	16/ESE	18/E	6/SSW	51/WSW	28/W	17	51/WSW
09/22	26/W	5/SSW	6/E	14/SSE	18/E	22/ENE	19/ESE	16/SSE	17/SSW	16/SSW	9/SSW	18/SW	16/W	16/SW	22/SSW	20/SSW	35/S	18/SSE	15/SSE	27/S	16/SSE	24/S	22/WSW	28/SSW	19	35/S
09/23	21/SSW	27/S	41/S	35/S	33/SSE	46/SSE	43/E	38/ESE	52/ESE	53/E	35/E	33/ESE	14/S	23/SSW	20/SSE	19/SSW	21/ESE	34/ESE	57/ENE	27/ENE	29/E	12/SE	10/S	6/ENE	30	57/ENE
09/24	9/SSE	10/WNW	26/W	11/WSW	8/NW	8/NNW	8/NNE	15/ENE	17/E	9/E	5/SE	20/ENE	12/NNE	1/W	11/NW	26/W	17/W	4/WNW	11/SSW	13/SSW	10/SSW	4/SE	12/NNE	9/ENE	12	26/W
09/25	9/ENE	6/ESE	5/SSE	16/WSW	51/WSW	20/W	3/SW	12/E	16/ENE	25/E	14/E	5/N	4/ESE	11/NNW	11/NW	33/W	19/W	6/W	8/SE	18/ESE	14/ENE	7/ENE	18/ENE	4/ENE	14	51/WSW
09/26	13/ENE	8/SE	6/SSE	19/N	10/NW	22/W	4/SW	8/ESE	4/SSE	12/E	4/S	4/N	9/WNW	18/WNW	11/NW	15/WSW	40/WSW	32/WSW	24/WSW	17/SE	11/SE	8/SSE	4/S	9/S	13	40/WSW
09/27	16/SSW	3/SW	8/SSE	17/NE	9/NNW	58/WSW	42/WSW	24/SW	20/SW	29/SSW	32/S	29/SW	38/WSW	32/SW	25/SW	30/SW	25/SW	33/SSE	32/SSE	30/SSE	37/S	43/S	38/S	50/S	29	58/WSW
09/28	44/S	37/S	41/SSW	42/SSW	50/SSW	52/SSW	60/S	53/SSE	67/S	68/S	83/S	79/S	76/S	60/ESE	89/SE	77/ESE	78/ESE	83/SE	65/SE	71/SSE	71/SE	59/SE	43/SSE	63/SE	63	89/SE
09/29	34/WNW	64/ESE	70/ESE	82/E	45/ESE	44/SE	35/SE	35/E	24/SSE	12/SSW	28/SSE	59/E	93/ENE	65/E	59/E	41/E	21/ESE	22/ENE	23/SSE	15/W	95/WSW	31/WSW	39/SSW	18/S	44	95/WSW
09/30	27/ESE	25/E	20/ESE	19/SSE	11/S	11/W	46/W	43/WSW	26/WSW	13/SW	11/SE	11/SE	18/SE	29/SE	22/E	25/SE	12/SSE	22/W	52/WSW	82/WSW	29/SW	30/SSW	14/SSE	40/WSW	27	82/WSW
平均值	15	16	19	22	19	20	21	18	17	19	20	21	23	23	21	20	18	18	19	22	25	18	19	18		
最大值	45/S	64/ESE	70/ESE	82/E	51/WSW	58/WSW	60/S	54/SSE	67/S	68/S	83/S	79/S	93/ENE	65/E	89/SE	77/ESE	78/ESE	83/SE	65/SE	82/WSW	95/WSW	59/SE	51/WSW	63/SE		

[註 **1**]: 月平均流速= **20cm/s**, 最大流速= **95m/s**, 其流向爲 **WSW**(去向)。流速分佈: **<25cm/s: 76.6%,25~50cm/s: 18.4%,50~70cm/s: 3.5%,75~100cm/s: 1.5%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 20.3%,E~S: 33.9%,S~W: 34.1%,W~N: 11.7%**, 流向主軸: **E - W** (佔 **21.0%**), 主流向: **E** (佔 **12.5%**)。每小時記錄一次, 本月計 **719**筆 **(100%)**, 資料檔名:**C089HLX0.1HA**。

港灣技術研究中心

表3.6.11　2008 年 10 月 花蓮港測站 X 觀測逐時流速及流向月報表

2008年**10**月 **1**日 **0**時 **0**分 ~ **2008**年**10**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
10/01	25/SW	20/SSW	24/SSW	9/ESE	3/NNW	16/WNW	68/WSW	23/WSW	20/SW	13/SSW	18/SSW	14/S	5/ENE	7/E	11/E	1/E	14/ESE	20/SE	12/ESE	40/WSW	16/W	7/ENE	8/NE	6/NE	17	68/WSW
10/02	13/ESE	19/SE	15/ESE	21/E	16/E	7/NNE	5/SSE	9/WNW	6/WNW	4/ENE	8/E	6/SW	12/SW	15/SW	9/S	12/S	10/S	7/SE	5/E	2/ENE	7/W	6/NE	10/ENE	11/ENE	10	21/E
10/03	23/E	23/E	10/SE	23/E	20/E	15/E	10/ENE	10/NW	21/W	21/WSW	10/W	7/S	9/WSW	7/WSW	4/NE	10/NNE	6/NE	9/E	8/ENE	6/NNE	20/W	5/WSW	3/S	6/E	12	24/E
10/04	11/E	17/E	30/E	14/ESE	31/E	27/E	20/E	22/ENE	2/N	4/NNW	8/SW	8/WSW	17/W	19/WSW	19/WSW	8/SSW	7/S	9/SSE	2/W	9/SSW	12/SW	16/W	23/WSW	25/W	15	31/E
10/05	16/WSW	8/SSE	7/S	2/NNE	4/ESE	3/ENE	2/S	10/ENE	1/SSW	11/W	22/W	8/WNW	10/WNW	7/NW	5/NNE	4/NNE	2/S	8/NE	6/N	4/SSE	14/W	18/W	9/WSW	8/E	8	22/W
10/06	13/ESE	3/S	7/SSE	15/E	4/SE	23/E	11/E	13/E	11/NE	6/ENE	5/WSW	3/N	3/WNW	3/NW	3/NW	2/SE	17/ESE	22/ENE	20/ENE	6/NE	8/NE	17/W	12/W	20/WNW	10	23/E
10/07	16/WNW	5/NNW	10/ENE	13/ENE	21/E	20/E	25/E	17/E	7/W	12/SW	23/SW	31/WSW	37/WSW	26/SW	33/SW	23/SW	28/SSW	24/SW	14/SW	22/SW	18/SW	13/SSW	7/WSW	3/NE	19	37/WSW
10/08	6/S	9/E	10/ENE	8/WSW	8/E	7/NE	16/SE	11/E	2/SW	18/WSW	19/WSW	15/WSW	23/WSW	25/WSW	21/WSW	21/WSW	22/WSW	15/WSW	11/WSW	2/S	6/SSW	13/ESE	14/ESE	13/SSE	13	25/WSW
10/09	12/ESE	14/SE	6/SSW	22/W	22/WSW	4/S	18/E	15/ESE	21/E	5/SE	19/SSW	18/SW	20/WSW	24/WSW	20/WSW	25/WSW	25/WSW	25/WSW	23/WSW	19/WSW	11/SW	8/SSE	6/SW	2/WSW	16	25/WSW
10/10	11/E	10/E	3/NW	14/WSW	25/WSW	23/WSW	13/E	26/E	23/ENE	8/SE	8/SSW	7/WSW	7/SW	13/SW	12/SW	11/SW	10/SSW	9/WSW	1/SW	9/SSE	14/SSW	11/S	12/SSW	8/SSW	12	26/E
10/11	3/SSW	5/SSE	7/E	5/S	19/W	28/WSW	29/SW	20/SSW	15/S	7/S	16/SW	18/SW	16/SSW	18/SSW	16/SSW	24/SW	25/SW	29/SW	29/WSW	31/SW	22/SSW	11/SSE	24/SW	16/SSW	18	31/SW
10/12	10/SW	15/SW	11/SSW	17/S	14/W	24/SW	17/W	23/WSW	22/SW	24/SW	25/SW	21/SSW	19/SW	12/SW	21/WSW	31/WSW	22/WSW	17/WSW	16/SW	15/SW	21/SW	24/SW	7/ENE	11/E	18	31/WSW
10/13	23/ENE	7/NNE	6/NE	8/SE	8/S	9/SSW	8/S	10/SSE	7/E	12/SW	13/WSW	13/WSW	14/WSW	10/SW	10/WSW	3/W	9/SW	27/WSW	23/WSW	11/SW	8/SW	13/SW	10/SW	18/ENE	12	27/WSW
10/14	23/ENE	20/ENE	19/ENE	16/ENE	4/SE	26/W	23/W	14/WSW	5/W	8/NNW	16/W	18/WSW	27/WSW	21/WSW	12/SSW	4/WSW	3/S	16/W	45/WSW	24/WSW	18/WSW	19/SW	25/SW	35/SW	18	45/WSW
10/15	18/S	16/SSW	17/SSW	7/W	12/NE	11/W	48/WSW	23/W	18/WSW	25/WSW	31/WSW	30/SW	32/SW	24/SW	10/WSW	11/WSW	12/S	9/SSW	54/WSW	41/W	29/WSW	31/WSW	31/SW	25/SW	24	54/WSW
10/16	16/SSW	12/SSE	10/SW	8/SW	12/WSW	11/WSW	53/WSW	41/W	45/WSW	30/WSW	*	14/WSW	8/E	4/WNW	13/SSW	4/SSW	21/NE	15/ENE	32/WSW	49/W	23/W	8/W	21/W	15/W	20	54/WSW
10/17	14/WSW	25/ENE	10/SSE	15/ESE	13/NE	21/ENE	9/N	8/SW	24/W	*	18/W	25/W	38/WNW	29/W	20/WNW	5/SW	4/S	10/S	19/W	58/WSW	72/WSW	33/WSW	27/SW	27/W	23	72/WSW
10/18	13/SE	24/E	35/E	16/ENE	15/NE	12/ENE	17/NNE	15/W	19/WNW	14/W	12/W	9/WNW	5/N	13/WSW	12/SSE	4/SSW	8/NNE	9/ENE	5/NNE	39/W	41/W	28/W	19/WNW	31/WNW	17	41/W
10/19	10/SE	17/E	24/ENE	17/E	22/ENE	20/ENE	14/E	9/ESE	7/ESE	9/SW	19/W	26/W	23/W	16/WNW	16/WSW	8/WSW	5/SSW	5/WSW	9/ENE	5/WSW	18/W	33/WSW	23/WSW	28/W	16	33/WSW
10/20	5/WNW	7/W	15/WNW	19/SSW	18/ENE	12/E	15/E	10/SW	4/SSW	5/WNW	9/NW	16/WSW	14/WSW	13/SW	14/SW	12/SW	13/SSW	14/SSW	7/S	4/ENE	3/ESE	1/E	3/NW	8/NNW	10	19/SSW
10/21	28/WNW	27/W	4/S	22/E	25/E	30/E	30/E	15/ESE	23/ENE	9/NE	5/NE	4/NE	3/WSW	5/WNW	4/NW	6/NW	9/NE	5/E	7/E	10/SSE	19/ENE	13/NE	9/ENE	11/ENE	14	30/E
10/22	6/NE	5/WSW	14/ENE	16/ENE	14/SE	29/E	23/E	30/E	28/E	22/ENE	11/NE	9/NNE	13/NNE	11/NNE	11/NE	14/NE	11/ENE	17/NNE	24/NE	14/NE	9/ENE	8/E	12/E	9/NE	15	30/E
10/23	10/NE	7/NNW	2/N	7/ENE	4/SSW	18/E	23/E	36/ENE	31/ENE	23/ENE	3/SE	7/N	11/N	8/NNE	13/NE	8/NE	3/SSW	6/ENE	11/NNE	5/NE	4/ENE	14/ENE	17/E	16/ENE	12	36/ENE
10/24	14/ENE	8/ENE	7/NE	9/ENE	6/NE	7/ENE	8/E	26/E	27/ENE	13/ENE	14/SW	17/SW	12/SW	9/WSW	10/SW	15/SW	14/W	17/W	17/WSW	15/SW	15/S	22/ENE	30/ENE	19/SSE	15	30/ENE
10/25	20/E	3/SW	18/WSW	29/WSW	21/WSW	13/W	11/ESE	7/E	18/ENE	36/ENE	26/ENE	9/WNW	7/NNW	7/NNW	3/NNE	3/S	12/SW	2/ESE	8/ESE	6/SE	18/ENE	24/ENE	24/E	29/E	15	36/ENE
10/26	23/ENE	15/ENE	14/ENE	13/ENE	11/NE	9/ENE	13/ENE	11/ENE	15/ENE	22/ENE	2/WSW	6/NNW	15/N	16/N	18/NNE	13/N	16/NNE	13/N	14/NE	6/NNE	9/SSE	17/S	33/SW	29/SSW	15	33/SW
10/27	28/SSW	16/SW	17/WSW	27/WSW	35/W	38/WSW	25/WSW	21/SW	20/SW	*	21/SW	21/SW	19/WSW	18/SW	40/WSW	27/WSW	17/WSW	21/SW	19/SW	17/SSW	13/SW	30/WSW	34/SW	30/SW	24	40/WSW
10/28	34/SW	27/SW	21/WSW	20/WSW	22/WSW	17/WSW	22/WSW	13/SW	16/SW	19/SW	25/SSW	22/SSW	18/SSW	17/SSW	15/S	8/S	8/E	6/ESE	7/SE	7/WNW	11/E	16/ENE	28/E	31/E	18	34/SW
10/29	38/E	36/ENE	32/ENE	15/E	12/E	7/NE	11/NE	4/E	13/ENE	15/ENE	10/NE	11/N	22/NNE	19/NNE	12/NNE	10/NNE	5/NW	7/NW	21/W	5/W	9/ESE	13/S	11/E	15/ENE	15	38/E
10/30	20/ESE	12/ESE	8/E	7/ENE	5/NNE	8/W	5/W	7/ESE	18/ENE	14/E	11/ENE	16/NE	18/NE	16/NE	10/NE	7/ENE	7/N	17/WNW	15/NW	10/NNW	9/NE	9/NE	13/NE	22/NNE	12	23/NNE
10/31	13/ENE	23/E	22/E	27/ENE	17/NE	6/NNW	10/NNE	7/NNE	9/N	9/ENE	7/N	9/NE	6/NE	5/NE	10/N	14/NNE	13/NE	12/ENE	19/NNW	40/W	19/WSW	15/WSW	24/SW	25/SSW	15	40/W
平均值	17	15	14	15	15	16	19	16	16	14	15	14	16	14	14	11	12	14	16	17	17	16	17	18		
最大值	38/E	36/ENE	35/E	29/WSW	35/W	38/WSW	68/WSW	41/W	45/WSW	36/ENE	31/WSW	31/WSW	38/WNW	29/W	40/WSW	31/WSW	28/SSW	29/SW	54/WSW	58/WSW	72/WSW	33/WSW	34/SW	35/SW		

[註 1]: 月平均流速= **15cm/s**, 最大流速= **72m/s**, 其流向爲 **WSW**(去向)。流速分佈: <**25cm/s: 86.9%**,**25**~**50cm/s: 12.4%**,**50**~**70cm/s: .7%**,**75**~**100cm/s: .0%**,>**100cm/s: .0%**。

[註 2]: 流向分佈: **N**~**E: 30.8%**,**E**~**S: 15.7%**,**S**~**W: 44.0%**,**W**~**N: 9.6%**, 流向主軸:**WSW-ENE**(佔 **27.9%**), 主流向:**WSW**(佔 **15.8%**)。每小時記錄一次, 本月計 **741**筆 **(100%)**, 資料檔名:**C08AHLX0.1HA**。

港灣技術研究中心

表3.6.12　2008 年 11 月 花蓮港測站 X 觀測逐時流速及流向月報表

2008年**11**月 **1**日 **0**時 **0**分 ~ **2008**年**11**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
11/01	28/SW	35/SW	36/SW	31/SW	32/WSW	34/WSW	32/WSW	13/SW	12/SSW	12/WSW	10/SW	6/S	6/SE	10/SE	4/S	11/WSW	11/W	4/WSW	10/E	22/WSW	30/SW	12/W	11/WSW	12/W	18	37/SW
11/02	7/WSW	20/NE	12/ESE	8/E	10/E	9/NE	5/ENE	11/ENE	21/ENE	14/E	19/E	13/E	7/NE	9/NE	16/ENE	9/E	13/ENE	15/ENE	16/E	14/ENE	3/E	13/WSW	9/SSE	4/E	11	21/ENE
11/03	9/ESE	15/ESE	21/ENE	16/ENE	31/E	14/ENE	13/NE	15/E	5/ENE	11/SW	17/SW	16/WSW	13/SW	18/SSW	22/SW	15/SSW	19/S	17/SSE	29/S	35/W	28/WSW	41/WSW	43/WSW	38/WSW	21	43/WSW
11/04	34/SW	28/SW	21/SSW	9/SSE	22/SE	7/ESE	3/ESE	4/NNW	3/NE	12/W	22/WSW	24/SW	18/SSW	25/SW	15/SW	11/SSW	12/S	8/SW	9/SSW	10/SSW	19/SW	42/WSW	53/WSW	19/WSW	18	53/WSW
11/05	16/SSW	10/SSE	3/SE	5/SE	5/SW	7/ESE	18/ENE	19/ENE	21/E	15/E	5/ESE	3/SSE	5/NE	7/E	6/S	4/ESE	4/SE	8/E	11/ENE	13/E	9/ENE	14/ENE	12/NNE	9/NW	10	21/E
11/06	11/NW	9/N	17/ENE	15/ENE	13/E	24/ENE	23/E	31/ENE	27/NE	21/NNE	11/N	14/NW	19/WNW	16/WNW	15/NW	13/WNW	14/W	6/NNW	3/NW	7/WSW	12/SE	17/ESE	16/ENE	8/ENE	15	31/ENE
11/07	32/WSW	24/W	6/E	12/SE	10/ESE	8/E	14/ENE	17/ENE	21/ENE	24/ENE	8/NE	9/NNW	10/N	17/NNW	16/NNW	5/NNE	8/NNE	2/NNW	8/NE	6/E	8/ENE	12/E	12/ESE	7/ENE	12	32/WSW
11/08	4/NNW	11/SW	19/W	9/NNE	5/W	6/WNW	10/E	23/E	16/E	19/E	3/S	17/SSW	13/SW	11/SSW	13/SSW	37/WSW	24/W	26/WSW	28/SW	28/SW	29/WSW	29/WSW	25/SW	28/S	18	37/WSW
11/09	17/S	13/SSW	9/S	8/SSW	10/SSW	16/SSE	26/SSE	28/SSE	16/S	5/S	6/SSW	13/WSW	17/SSW	15/E	9/SE	9/NE	4/E	3/NNW	8/SW	26/WSW	18/WSW	17/WSW	13/WSW	14/SW	13	29/SSE
11/10	9/SSW	11/NNW	12/ENE	11/E	12/SSE	14/S	13/S	7/S	27/S	14/SSW	21/SSW	15/SW	8/SSW	11/SW	4/NW	7/NNW	23/W	30/WSW	17/WSW	17/SW	16/SW	18/WSW	18/SW	22/SW	15	30/WSW
11/11	18/SW	12/WNW	9/NNE	6/NE	7/SE	5/SSE	7/SSE	1/SW	4/ESE	3/SW	17/SSW	15/SW	12/W	3/NNE	10/SW	10/WSW	29/W	28/WSW	26/SW	20/SW	18/SW	6/S	26/ENE	20/ENE	13	29/W
11/12	17/E	6/SE	3/SW	8/S	4/SW	8/WSW	9/WNW	5/NW	6/ENE	9/NNE	9/SSW	15/SW	13/WSW	5/W	7/WNW	6/W	30/WSW	17/W	21/W	18/SW	19/SSW	7/SE	20/E	17/E	12	30/WSW
11/13	25/ESE	25/E	9/ENE	5/NNE	5/N	22/W	11/NW	4/NW	11/ENE	17/E	4/WSW	18/W	18/WSW	16/WSW	12/WSW	11/WSW	9/WSW	31/W	48/W	25/W	24/WSW	21/WSW	12/SSW	25/ENE	17	48/W
11/14	36/E	41/ENE	30/ENE	22/ENE	4/E	15/WNW	7/SSE	12/SSE	9/ESE	9/ENE	10/ESE	9/W	9/NW	10/WNW	7/WNW	4/NNW	5/SE	4/SW	21/WSW	13/WSW	10/SW	6/SE	20/ENE	24/E	14	41/ENE
11/15	38/E	34/E	37/E	30/ENE	28/ENE	18/ENE	17/ENE	6/ESE	14/ENE	11/E	9/ESE	4/NW	11/WNW	13/W	13/W	7/NNW	6/W	3/WNW	8/WNW	8/W	9/NW	10/W	15/WSW	15/SW	15	38/E
11/16	4/SE	17/E	9/NE	19/WNW	13/W	6/NW	15/WSW	5/W	10/W	3/SW	11/SW	22/WSW	24/SW	23/SW	12/SSW	18/SSW	13/S	10/S	10/SSE	12/ESE	6/ESE	8/SE	6/S	4/WSW	12	24/SW
11/17	8/ESE	11/ESE	35/SSW	11/SSE	27/SSW	16/E	6/ESE	19/SW	15/SW	13/WSW	15/WSW	13/WSW	18/SW	22/WSW	20/WSW	19/WSW	18/WSW	14/SW	7/SSW	8/SE	6/SW	10/W	17/WSW	12/W	15	35/SSW
11/18	23/W	5/SSW	11/ENE	17/E	18/ENE	20/ENE	17/ENE	4/ESE	11/SW	12/SW	12/SW	11/SW	15/SW	13/SW	11/WSW	6/S	12/SW	10/SW	11/SW	7/S	7/SW	11/WSW	20/WSW	23/WSW	13	23/W
11/19	18/SSW	21/S	15/S	28/SSE	18/SSE	21/SSE	15/SSW	13/SSE	9/SSW	19/E	14/E	3/SW	13/W	18/WSW	16/WSW	18/SSW	17/SSW	13/SSW	3/SE	5/SE	7/S	6/S	6/SSW	5/SSW	13	28/SSE
11/20	9/W	3/W	10/ENE	6/NE	19/ENE	25/ENE	23/ENE	22/ENE	8/ENE	12/SSW	17/SW	14/SW	10/SW	14/WSW	10/SW	12/SW	12/SW	9/SSW	8/SW	6/W	9/NNE	13/NE	16/N	12/NNW	13	25/ENE
11/21	14/NW	10/NW	10/W	5/E	5/E	12/E	21/ENE	17/E	20/ENE	20/ENE	10/NE	20/WSW	21/WSW	24/WSW	29/W	30/W	31/W	19/WSW	24/WSW	20/SW	17/SW	18/SW	15/WSW	9/SW	18	31/W
11/22	12/W	11/NNW	18/W	13/WSW	10/WNW	13/SSW	10/ENE	18/E	3/SE	15/NW	13/NW	9/NNW	9/NNE	13/ENE	4/WSW	7/NW	4/NE	4/SSE	16/ENE	15/NE	10/N	6/ESE	13/NE	13/ESE	11	18/W
11/23	16/E	15/ENE	10/NE	6/NE	2/SSW	2/NW	14/ENE	10/NNE	13/NE	19/ENE	24/ENE	8/N	9/N	17/NE	10/NNE	9/W	16/WNW	8/NNW	10/N	6/ENE	7/ESE	24/ENE	20/ENE	24/ENE	13	25/ENE
11/24	21/ENE	20/E	10/ENE	9/ENE	7/NW	4/SSW	9/E	11/E	24/E	24/E	6/SSW	17/SW	15/SW	6/SW	6/SW	19/W	29/SSW	24/SSW	23/SSW	20/SSW	15/SW	19/SSW	23/SSW	23/SSE	16	29/SSW
11/25	25/SSW	18/SSE	17/SSW	9/WSW	2/SW	7/SSE	6/SE	4/NE	9/S	8/WNW	18/SW	21/SW	16/SW	15/SSW	9/SSW	10/SW	12/SW	11/WSW	17/WSW	17/SW	10/SSE	7/SW	7/SSE	21/E	12	26/SSW
11/26	5/NW	22/SW	20/SW	17/SW	12/W	4/WSW	7/WSW	3/NW	7/NE	9/E	14/E	*	24/SW	23/WSW	17/SW	4/W	8/NW	13/W	12/SW	5/SSW	4/NNW	10/SSE	23/SW	21/SSW	12	24/SW
11/27	19/E	23/E	19/E	7/ENE	10/W	10/WSW	9/WSW	8/SW	14/SSW	12/WSW	13/SSW	19/SW	18/SW	19/WSW	8/SSW	16/WSW	9/SW	13/WSW	8/WSW	12/SW	14/NW	17/SW	15/SW	14/SSW	14	23/E
11/28	24/SW	21/SW	14/SSW	11/SW	5/WSW	4/S	16/W	14/W	12/SW	8/SSW	3/E	6/ESE	8/SW	13/WSW	9/SW	15/WSW	12/WSW	13/WSW	24/W	17/WSW	16/SW	9/WSW	12/SSW	11/S	12	24/W
11/29	27/E	22/E	15/E	16/E	11/ENE	13/ENE	11/ENE	8/ESE	14/ENE	9/NE	10/WSW	11/WSW	18/WSW	17/SW	12/SW	9/SSW	5/ESE	3/S	16/W	56/W	14/SW	16/SW	9/SW	12/E	15	56/W
11/30	20/ESE	47/E	50/ENE	42/ENE	32/ENE	22/ENE	12/ENE	17/NE	14/NNE	9/NE	5/NE	14/WSW	15/SW	16/SW	12/SW	4/ESE	9/SW	8/W	7/WNW	16/WSW	31/W	20/WSW	12/SW	13/SE	19	50/ENE
平均值	18	19	17	14	13	13	13	12	13	13	12	13	14	15	12	12	14	12	15	16	14	15	17	16		
最大值	38/E	47/E	50/ENE	42/ENE	33/ENE	34/WSW	32/WSW	31/ENE	27/S	24/ENE	24/ENE	24/SW	24/SW	25/SW	29/W	37/WSW	31/W	31/W	48/W	56/W	31/W	42/WSW	53/WSW	38/WSW		

[註 1]: 月平均流速= **14cm/s**, 最大流速= **56m/s**, 其流向爲 **W** (去向)。流速分佈: **<25cm/s: 90.8%,25~50cm/s: 8.8%,50~70cm/s: .4%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 23.6%,E~S: 16.3%,S~W: 47.7%,W~N: 12.4%**, 流向主軸: **SW- NE**(佔 **25.5%**), 主流向: **SW**(佔 **17.0%**)。每小時記錄一次, 本月計 **719**筆 **(100%)**, 資料檔名:**C08BHLX0.1HA**。

3.7　2009年蘇澳港逐時流速及流向月報表

表3.7.1　2008 年 12 月 蘇澳港測站 X 觀測逐時流速及流向月報表

2008年**12**月 **1**日 **0**時 **0**分 ~ **2008**年**12**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
12/01	32/SE	44/SSE	31/SSE	43/SSE	28/SE	10/SE	11/ESE	4/NNE	2/NW	3/SSE	9/S	17/SSE	19/SSE	20/SSW	20/SW	14/SSW	7/WSW	7/WSW	15/NNW	14/E	17/NE	10/ESE	10/ESE	11/ESE	17	44/SSE
12/02	27/SE	41/SE	44/SE	44/SE	39/SE	26/SE	19/SE	14/NNE	22/NNE	12/NNE	11/N	8/S	19/SSE	15/SSE	16/S	18/S	6/SW	7/NNW	3/SE	13/ENE	16/ENE	14/E	16/ESE	13/ESE	19	44/SE
12/03	22/N	19/ESE	31/SSE	40/SE	24/SE	8/NW	23/NNE	23/N	32/N	28/N	31/NNW	23/NNW	4/NNW	14/SW	17/SW	16/NW	19/NNE	23/NNE	25/NNE	26/N	41/N	38/N	38/N	27/N	25	41/N
12/04	22/N	20/N	19/ENE	17/SSE	17/ESE	20/SE	12/E	11/ESE	6/NE	12/NNE	23/NNW	16/N	13/NNW	12/NNE	4/WNW	10/WSW	22/SSW	14/SSW	10/SSW	6/NW	17/NNW	13/N	9/NW	21/SSW	14	23/NNW
12/05	29/S	29/S	19/SSW	30/SSE	31/SE	31/SE	34/SSE	28/SSE	30/S	27/S	22/S	25/S	23/SSW	29/SSW	28/SSW	19/S	25/S	19/SSE	11/SSW	22/SSW	7/SSW	10/SW	14/SSE	11/SW	23	34/SSE
12/06	18/SSW	20/S	20/S	26/SSE	29/S	30/S	31/S	29/SSE	19/SE	17/SE	7/NE	15/N	23/NNW	15/NW	8/WNW	5/WSW	9/W	15/SSW	21/S	25/S	26/S	20/SE	13/ESE	12/ENE	19	31/S
12/07	13/ESE	10/ESE	12/SE	17/SE	22/SE	21/SE	34/SE	24/ESE	26/SE	13/SE	18/SSE	15/S	9/S	16/NNW	3/NE	10/NNW	6/NW	7/NNE	20/SSE	17/S	17/SSE	14/NNE	16/N	12/S	16	34/SE
12/08	5/S	6/E	3/SSW	7/SE	6/ESE	20/SSE	24/SSE	32/SSE	20/SSE	13/SE	18/SSE	21/S	16/SSW	11/SSW	9/SW	15/SSW	16/SSW	29/SSW	27/SSW	32/S	33/SSE	25/SSE	26/SSE	18/SSE	18	33/SSE
12/09	20/SSE	3/S	7/S	12/SSW	9/S	20/S	25/SSE	*	25/SSE	21/SSE	19/S	15/SSW	5/ENE	11/N	16/NNW	6/N	8/WSW	13/SSW	21/S	32/SSE	25/SE	29/ESE	30/ESE	25/SE	17	32/SSE
12/10	13/ESE	19/SE	11/SE	12/SE	21/SSE	12/SE	8/SSE	14/SSE	19/SE	24/SSE	19/SSE	19/SE	13/S	13/SW	11/W	12/WNW	5/W	8/NE	7/ESE	2/E	12/E	32/SE	33/SE	21/ESE	15	33/SE
12/11	32/SE	24/SE	13/SE	17/SSE	3/SSE	31/SE	11/SSE	11/S	12/SSE	16/SSE	25/S	17/SSW	16/S	13/WSW	9/W	15/NNW	20/NNW	17/NNW	19/ESE	13/SSW	29/SSW	39/S	41/S	48/SE	20	48/SE
12/12	43/E	44/ENE	31/NE	21/E	18/ENE	14/ENE	20/SSE	17/S	22/S	31/S	33/S	25/S	31/S	16/SSW	11/NNW	23/NNE	35/NNE	39/N	20/N	10/ENE	14/SE	23/SE	44/SE	44/SSE	26	44/SSE
12/13	29/SE	31/SE	38/SE	19/SSE	19/SE	12/SSE	19/E	15/ESE	11/SE	9/S	37/SSE	38/S	14/SSE	14/W	6/WNW	36/N	32/N	29/NE	17/N	18/SE	16/S	25/S	47/S	60/SSE	25	60/SSE
12/14	63/SSE	63/SE	56/SE	39/SE	32/SSE	12/SSE	10/ENE	6/ESE	15/ENE	20/SSE	34/SSE	24/SSW	15/SSW	12/E	13/SSE	7/S	8/WSW	27/N	40/N	38/N	7/WNW	43/SSE	17/S	38/SE	27	63/SSE
12/15	54/SSE	70/SSE	70/SE	57/SE	43/SE	29/SE	15/SSE	2/W	20/N	16/NNW	8/SW	27/S	33/S	22/S	19/S	19/SSW	20/SSW	20/W	28/NW	20/NW	27/N	27/NNW	7/S	16/ENE	28	70/SE
12/16	32/SE	48/ESE	50/SE	49/ESE	30/ESE	30/ESE	15/SE	9/S	4/SSW	7/WSW	10/SSW	16/S	13/S	16/S	14/SW	16/S	15/SSW	7/W	11/WSW	12/NW	27/NW	14/SE	4/WNW	13/S	19	50/SE
12/17	19/SSE	30/SE	51/SE	50/SE	31/SSE	33/ESE	27/ESE	22/SE	5/ESE	6/SW	13/SSE	10/SSW	19/S	32/S	25/SSW	21/S	19/S	11/SSE	3/SE	9/NW	10/S	8/ENE	9/ESE	6/SE	20	51/SE
12/18	20/SSE	17/SE	34/SE	33/ESE	30/E	31/ESE	33/ESE	22/E	11/NE	4/E	5/NW	3/NNE	8/SW	17/SSW	20/S	33/S	18/S	19/SSW	25/SSE	15/SSE	17/SSE	8/SSE	6/SE	13/ESE	18	34/SE
12/19	9/E	18/S	31/SE	36/SSE	30/SE	31/SE	32/SE	19/SE	8/ESE	4/NNE	28/N	26/NNW	14/N	9/NNW	9/N	13/N	19/NNE	18/N	17/NNW	13/N	13/NNW	19/NNW	11/NNW	9/ENE	18	36/SSE
12/20	7/ESE	7/E	17/SE	27/N	30/N	14/ENE	21/SE	16/SSE	3/WSW	19/N	33/NNE	34/N	31/NNW	14/NNW	4/NNW	7/N	16/N	13/N	16/N	11/NNE	10/NW	12/NE	19/NNE	24/N	17	34/N
12/21	20/N	21/NNE	20/N	2/SE	13/SSE	11/ESE	17/SSE	14/SE	9/SE	5/NW	14/N	22/NNW	16/NNW	15/NNW	8/NNE	8/WNW	5/W	7/WNW	22/SE	25/SSE	7/E	16/SE	18/SE	29/N	14	29/N
12/22	13/NW	9/SSW	12/SSW	25/S	25/SSW	24/SSE	20/SSE	18/SE	*	19/S	27/S	21/SSW	12/SSE	16/S	15/S	16/S	26/SSW	26/S	24/SE	40/SSE	43/SE	41/SE	36/SE	35/SE	24	44/SE
12/23	22/SE	11/SE	3/SSE	2/ESE	5/SSW	14/S	24/SSE	23/SSE	31/SSE	22/SSE	22/S	16/S	16/SW	11/SW	14/WSW	12/WNW	12/WNW	2/NNE	2/ESE	21/SE	27/SE	36/SE	35/SE	36/ESE	18	36/SE
12/24	36/SE	33/SE	30/SE	24/SSE	25/SSE	11/SSE	10/SE	8/SSE	8/SE	8/SW	7/S	7/WNW	7/WSW	12/W	20/W	16/WNW	12/NNW	21/NNE	17/NNW	9/ESE	23/SE	23/SE	33/SE	41/SE	18	41/SE
12/25	41/SSE	40/SE	32/SE	22/SE	21/SE	18/SSE	23/S	32/S	34/S	32/SSW	27/SSW	15/S	5/WSW	3/WNW	8/N	10/NE	8/NNW	13/WSW	15/WSW	8/SSW	18/SE	39/SE	43/SE	47/ESE	23	47/ESE
12/26	43/ESE	40/ESE	30/SE	27/SE	22/SE	3/NE	3/SW	6/SSE	13/SSE	19/SE	30/SSE	19/SE	17/SE	15/SSE	5/ESE	4/NNE	15/NNW	26/NNW	20/NNW	6/NW	4/NE	21/SE	24/ESE	35/SE	19	43/ESE
12/27	27/SE	28/SE	38/SE	27/SE	13/ESE	10/S	8/NNW	5/N	4/NNE	5/SSE	18/SSW	16/NW	14/NNW	10/NNE	15/NNW	14/NW	13/NNW	5/NNW	9/NNE	8/WNW	7/NNW	21/NNE	27/NNE	36/NNE	16	38/SE
12/28	15/N	34/N	31/N	38/N	41/N	50/N	35/NNE	23/N	10/N	2/NNE	9/NNE	10/NE	16/N	22/NNE	19/NE	13/N	12/NNW	16/N	19/N	21/N	15/N	7/NNW	13/ESE	19/SE	20	50/N
12/29	23/SE	8/SSW	12/NW	11/SE	18/SE	16/SSE	3/ESE	7/SSW	10/SSW	7/SSW	15/SSW	17/SW	25/SSW	22/SSW	9/SSW	7/SSW	9/SSW	4/SSE	14/NNE	17/NNW	10/NW	7/NNE	9/SE	26/SE	13	26/SE
12/30	26/SE	37/SE	51/SE	50/SE	36/SE	17/SE	10/SE	13/S	7/S	8/WNW	10/SSW	20/S	21/SSE	32/S	12/S	8/SSW	10/SW	13/SSW	8/WSW	5/N	17/NNW	22/N	6/NE	10/ESE	19	51/SE
12/31	24/ESE	32/SE	38/SE	41/SSE	33/SSE	24/SSE	14/SSW	17/SW	10/NNW	5/ENE	9/N	13/SE	27/SSE	30/SSE	33/S	30/S	21/SSW	13/SSW	13/SW	9/SSW	36/SE	13/SW	17/S	20/SSE	22	41/SSE
平均值	26	28	29	28	24	20	19	16	15	14	19	18	17	17	14	15	15	16	17	17	19	22	22	25		
最大值	63/SSE	70/SSE	70/SE	58/SE	43/SE	50/N	36/NNE	32/S	34/S	32/SSW	37/SSE	38/S	33/S	33/S	33/S	36/N	36/NNE	39/N	40/N	40/SSE	44/SE	43/SSE	48/S	60/SSE		

[註 1]: 月平均流速= **20cm/s**, 最大流速= **70m/s**, 其流向爲 **SE**(去向)。流速分佈: **<25cm/s: 73.0%,25~50cm/s: 25.3%,50~70cm/s: 1.6%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 13.7%,E~S: 48.0%,S~W: 21.3%,W~N: 17.0%**, 流向主軸: **SE- NW**(佔 **22.1%**), 主流向: **SE**(佔 **19.3%**)。每小時記錄一次, 本月計 **742**筆 **(100%)**, 資料檔名:**C08CSAX0.1HA**。

港灣技術研究中心

表3.7.2　2009 年 01 月 蘇澳港測站 X 觀測逐時流速及流向月報表

2009年 **1**月 **1**日 **0**時 **0**分 ～ **2009**年 **1**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
01/01	31/SE	40/SE	57/SE	50/SSE	40/SE	20/SE	*	15/N	4/NNW	7/W	17/SSW	20/S	32/SSE	33/S	43/S	30/SSE	21/SSE	13/SSE	12/SE	13/SW	9/SW	5/S	7/SE	21/SSE	24	58/SE
01/02	31/SSE	44/SE	48/SE	*	45/SE	*	15/ESE	15/SE	10/S	9/SSW	12/SSE	22/S	25/S	*	*	*	*	*	*	*	*	*	*	*	25	48/SE
01/03	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01/04	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01/05	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01/06	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01/07	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	35/SSE	38/SE	46/SE	54/SE	36/SE	36/SE	41	54/SE
01/08	31/SE	18/SE	12/S	3/SSE	6/SE	9/S	13/S	28/S	*	14/S	10/S	24/SSE	19/S	9/NW	11/N	15/NW	9/WNW	25/SSE	36/SSE	30/S	42/SSE	49/SSE	50/SSE	38/SSE	22	50/SSE
01/09	29/SE	25/ESE	33/SE	33/SSE	19/SSE	32/S	25/S	24/S	34/S	*	21/S	21/SSE	15/S	11/SSW	10/SSW	4/NW	12/N	13/N	5/N	20/SE	24/SSE	38/SE	40/ESE	42/ESE	23	42/ESE
01/10	41/SE	42/ESE	47/ESE	20/ENE	10/SSE	12/S	21/S	27/S	32/S	38/SSW	17/S	11/SSE	4/SE	8/E	16/W	21/NW	23/NW	10/NW	9/NW	9/SE	13/SE	29/ESE	45/ESE	50/E	23	50/E
01/11	55/ESE	48/E	48/ESE	35/SE	20/ESE	6/SE	11/SW	9/SSW	16/S	22/SSE	36/SSE	24/S	23/S	19/SSW	8/WSW	13/WSW	15/NW	13/NNW	7/E	14/NNE	11/ENE	11/SSE	18/ESE	35/ESE	22	55/ESE
01/12	45/ESE	48/ESE	39/SE	38/E	23/E	20/SE	17/S	22/S	22/S	19/S	*	22/S	28/S	25/S	24/SE	*	*	4/WSW	19/N	37/NNW	7/NNW	27/NW	12/SSE	27/S	25	48/ESE
01/13	46/SSE	55/SSE	52/S	54/SE	37/SE	24/SE	25/SE	5/NNW	9/NW	6/SSW	12/SSW	32/S	36/S	24/S	29/SSE	21/S	15/S	12/NNW	20/NNW	27/N	48/ESE	30/SE	22/SE	33/SE	28	55/SSE
01/14	45/ESE	49/ESE	46/ESE	49/E	39/ESE	37/ESE	27/SE	12/SE	24/ESE	25/SE	9/SSE	26/S	33/S	34/SSW	37/S	39/S	19/S	21/S	12/SSW	14/SE	48/NW	17/SE	5/S	31/SE	29	49/ESE
01/15	44/SE	55/SE	58/SE	55/SE	50/SE	41/SE	26/SE	11/E	6/NNW	9/NW	2/NW	15/S	18/SSE	29/SSE	31/S	26/SE	26/SE	19/ESE	12/SE	1/SSW	19/SE	9/N	13/ESE	21/SSE	25	58/SE
01/16	26/SSE	34/SE	41/SE	46/SE	43/SE	24/SE	27/SE	11/SE	5/SSE	7/SSW	4/SSW	10/S	13/WSW	5/SW	12/WNW	11/N	18/NNE	25/N	23/N	15/N	21/N	28/N	19/N	24/N	20	46/SE
01/17	22/N	31/N	27/N	27/NNW	29/NNE	29/NNE	24/SE	21/N	16/S	2/S	10/E	21/N	15/NNE	21/NNE	17/NNE	23/N	21/NNE	30/NNE	37/N	26/NNE	30/NNE	29/N	26/NNE	9/NE	23	37/N
01/18	19/SE	14/S	21/SSE	26/SE	25/SE	18/SSE	15/NE	11/NE	3/N	18/N	5/N	19/N	18/N	13/N	15/N	17/NNE	17/N	27/N	6/N	9/N	9/SSW	15/SE	18/SE	21/SE	16	27/N
01/19	18/SSE	23/SSE	24/SSE	30/SSE	34/SSE	18/S	25/SSE	17/SSE	23/S	23/SSW	17/SSW	17/S	9/SW	14/WSW	15/SSW	18/S	25/S	28/SSE	32/SSE	37/SSE	35/SSE	28/SE	18/SE	30/SE	23	37/SSE
01/20	23/SE	17/SE	26/SSE	32/SSE	43/SSE	26/S	24/SSE	18/SSE	13/SSW	18/S	14/SSW	12/SSW	9/SW	3/SW	7/SW	4/S	4/SSW	14/S	20/SSE	20/SSE	23/SE	25/ESE	25/SE	20/SE	18	44/SSE
01/21	11/E	8/SE	13/SSE	8/SSE	22/SSE	14/SSE	15/SSE	23/S	16/SSE	12/SSW	11/SSW	20/SW	11/W	9/WNW	7/WSW	13/SSW	20/SW	14/SW	20/SSW	24/SSW	33/SSW	34/SSW	30/SSW	23/SSW	17	34/SSW
01/22	19/S	26/S	20/S	13/S	2/ESE	2/E	12/S	4/NNW	7/S	16/S	11/SSW	11/SW	12/SSW	14/S	2/WNW	14/WNW	16/WNW	11/NNW	16/S	23/S	18/SSE	21/SSE	22/SSE	29/SE	14	29/SE
01/23	35/S	20/SSE	18/SSE	8/SE	10/S	6/SE	17/S	25/S	29/S	30/SSW	27/S	19/S	12/S	6/E	12/NNE	11/NNW	16/NNW	18/NNW	13/SW	31/S	38/SE	39/SSE	39/SSE	45/SE	22	45/SE
01/24	42/ESE	46/ESE	24/SE	19/SE	14/ESE	3/S	4/WSW	9/S	27/SSW	20/SSE	24/SSE	15/SSE	20/SE	13/ESE	9/E	7/NW	17/NNW	15/NNW	9/NW	3/WSW	21/ESE	38/ESE	52/ESE	57/ESE	21	57/ESE
01/25	54/ESE	46/ESE	44/E	29/E	15/ESE	17/ESE	5/NE	2/SW	15/SE	14/SSE	27/SSE	26/SE	31/SE	22/SE	22/SSE	13/SSE	27/NW	6/ESE	12/SSW	11/ESE	16/SSE	20/SE	33/SE	44/SE	23	54/ESE
01/26	33/SE	22/ESE	55/NNE	53/NNE	34/NNE	15/SE	4/SSE	3/WSW	13/SSE	18/S	21/S	27/SSE	29/S	38/SSE	14/S	10/SSW	19/SSW	21/SSW	20/S	13/ESE	15/SSW	25/SSE	34/SE	45/SE	24	55/NNE
01/27	64/SE	61/SE	53/ESE	38/SE	19/SSE	20/SSE	12/ESE	1/S	9/N	2/SSW	17/SSE	29/SSE	40/SSE	22/SSE	19/SE	9/SSW	5/NW	19/NNW	14/NW	4/WSW	9/SE	20/SE	31/SE	44/SE	23	64/SE
01/28	54/SE	64/SE	61/SE	47/SE	37/ESE	18/SSE	15/S	1/ESE	6/SSW	8/S	19/S	24/S	38/SSE	37/S	31/S	18/SSW	15/SSW	11/SW	18/NNE	16/NW	7/NW	7/WSW	16/SSE	14/SSE	24	64/SE
01/29	39/SE	33/SE	35/SE	38/SE	30/SSE	20/SE	8/ENE	8/N	15/NNW	3/WSW	16/SSW	6/SW	14/NNE	24/NNW	18/W	4/SW	14/SSW	22/SW	23/NNE	9/SSW	14/N	10/NW	5/WNW	16/SSE	18	39/SE
01/30	20/SSE	34/SSE	42/SSE	38/SSE	36/SE	21/SSE	20/S	7/S	12/S	11/N	8/NNW	14/SSW	27/SSW	37/SSW	32/S	21/S	5/SSE	6/NNE	5/NW	15/NNW	17/NNW	6/NW	9/NW	5/SSE	19	43/SSE
01/31	21/SSE	31/SE	44/SE	51/SE	42/SSE	29/SSE	24/SSE	16/SE	7/SE	15/S	9/SE	6/SSE	17/SW	26/SSW	32/SSW	29/SSW	29/SSW	23/SSW	13/WSW	10/SW	11/W	22/NNW	7/NNE	8/NNW	22	51/SE
平均值	35	36	38	34	28	19	17	13	15	15	15	19	21	20	19	16	17	17	17	18	22	24	24	29		
最大值	64/SE	64/SE	61/SE	55/SE	51/SE	41/SE	27/SE	28/S	34/S	38/SSW	36/SSE	32/S	40/SSE	38/SSE	43/S	39/S	29/SSW	30/NNE	37/N	38/SE	48/NW	54/SE	52/ESE	57/ESE		

[註 **1**]: 月平均流速= **22cm/s**, 最大流速= **64m/s**, 其流向爲 **SE**(去向)。流速分佈: **<25cm/s: 66.0%,25~50cm/s: 30.3%,50~70cm/s: 3.8%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 9.2%,E~S: 57.9%,S~W: 21.3%,W~N: 11.6%**, 流向主軸: **SE- NW**(佔 **23.9%**), 主流向: **SE**(佔 **20.0%**)。每小時記錄一次, 本月計 **611**筆 **(82%)**, 資料檔名:**C091SAX0.1HA**。

港灣技術研究中心

表3.7.3　2009 年 02 月 蘇澳港測站 X 觀測逐時流速及流向月報表

2009年 **2**月 **1**日 **0**時 **0**分 ～ **2009**年 **2**月**28**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
02/01	19/WNW	32/NNW	23/NNW	21/NNW	24/N	21/NNW	23/N	23/N	24/NNW	17/N	21/N	25/NNW	23/N	30/N	33/NNE	31/N	34/N	27/N	23/NNE	19/N	19/NNE	14/E	12/ENE	12/NE	23	34/N
02/02	8/N	10/SE	21/S	11/NE	26/NNE	21/NNE	22/ENE	16/ESE	11/ENE	16/N	23/N	35/N	39/N	26/NNE	20/NNE	22/NE	23/NE	30/NNE	28/NNE	22/NNE	24/NNE	6/ESE	22/N	25/N	21	39/N
02/03	33/NNE	8/SSE	9/SE	10/ESE	31/SE	23/SE	23/SE	29/SE	2/WSW	9/WSW	9/NNW	13/NW	17/NNW	35/N	30/N	16/N	20/NNW	8/WNW	17/SW	25/SE	25/SSE	31/SSE	30/SE	18/ESE	20	35/N
02/04	25/SSE	27/SSE	27/SE	28/SSE	33/SE	34/SSE	34/SSE	16/S	18/SSW	18/SW	9/WNW	19/N	6/NE	8/NE	15/N	26/NNE	36/N	38/N	29/N	27/N	24/N	27/N	15/N	16/N	23	38/N
02/05	18/SSE	18/ESE	11/SE	19/SE	17/SSE	22/SSE	22/S	26/S	15/SSE	19/SSW	10/SSW	7/S	6/NNW	3/SSW	15/NW	13/SW	16/NNE	6/S	17/NNW	14/SW	24/WSW	15/WSW	10/SW	19/WSW	15	26/S
02/06	16/WSW	17/WSW	10/WSW	8/W	9/SW	24/SSW	24/S	28/SSW	24/SSE	19/SSE	10/SSE	9/SSE	14/SSW	9/W	8/WNW	14/W	15/SW	20/SSW	20/SSE	24/SSE	35/SE	51/SE	61/SE	45/SE	21	61/SE
02/07	*	42/SE	19/SE	6/ENE	6/ESE	7/SE	*	13/S	10/N	8/SSE	18/WSW	29/SW	23/SW	24/SW	22/WSW	14/WNW	19/NW	2/SW	*	19/S	35/S	43/S	37/SSE	45/ESE	21	45/ESE
02/08	27/S	30/S	27/SW	22/SW	12/SW	16/SW	*	24/SSW	20/S	24/SSE	25/S	27/SSE	*	30/SSW	24/SW	14/WSW	4/SSW	4/NE	*	8/ESE	20/SE	41/SE	51/SE	57/SE	24	57/SE
02/09	*	73/SE	52/SE	28/SE	13/SSE	12/WNW	*	3/NNE	9/S	15/S	6/SSW	30/S	*	9/WNW	6/NNW	12/WSW	25/NW	41/NNE	*	23/N	13/NE	16/ESE	28/SE	43/SE	23	74/SE
02/10	*	43/S	15/SW	8/SSW	3/SSW	5/S	*	12/W	15/SW	18/SSW	26/S	23/S	*	14/SSE	8/ESE	33/ESE	23/NNW	*	*	*	*	*	*	*	17	43/S
02/11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02/12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02/13	*	29/WSW	25/SW	14/WSW	6/WNW	10/N	8/WNW	7/NNW	10/ESE	25/ESE	44/ESE	46/ESE	42/E	39/ESE	17/ESE	10/N	46/NNE	37/N	14/NNE	12/NNE	6/WNW	11/NW	4/NE	24/NE	21	46/NNE
02/14	32/NNE	30/NNE	25/NNE	37/NNE	41/NNE	43/NNE	14/NNE	8/SSW	12/NE	17/NNE	19/NE	28/NNE	43/ENE	34/NE	29/NE	17/NNE	28/N	28/N	9/NE	14/NNE	4/SSW	12/NNE	*	11/NNE	23	44/NNE
02/15	17/NNE	*	23/NNE	31/NNE	*	29/NNE	18/NNE	21/NNE	6/E	7/SSE	*	20/SSE	7/ENE	15/E	7/E	5/NNE	*	19/NNE	18/NNE	11/N	*	16/NNW	13/NE	8/ESE	16	31/NNE
02/16	6/NE	9/NNE	11/NNE	17/NE	4/NNE	12/NNE	20/N	12/NE	10/NW	3/N	5/W	8/W	18/WSW	12/SSW	29/SSW	28/SSW	27/S	26/S	29/S	31/S	27/SSW	21/S	19/SSW	17/S	17	31/S
02/17	24/SSW	27/S	25/S	20/SSW	27/S	27/SSW	22/SSW	18/SSW	16/S	14/SW	18/SW	13/S	10/SSW	12/SW	13/WSW	8/NNW	19/ESE	20/SSE	24/SE	20/SE	23/SE	32/ESE	32/ESE	28/ESE	20	32/ESE
02/18	8/ESE	18/E	16/ESE	14/SE	9/SE	27/S	16/SSE	10/SE	11/S	8/SSW	8/W	8/WSW	10/W	12/NNE	14/N	11/NNE	9/ENE	4/WNW	9/NNE	16/NE	20/NNE	27/NNE	28/NNE	35/NNE	15	35/NNE
02/19	39/NNE	39/NNE	46/N	13/ENE	9/S	8/N	9/N	6/N	9/W	10/NNW	13/NNW	11/N	13/N	25/N	25/N	24/NNE	19/NNE	13/NNE	13/NNE	14/N	13/ENE	23/E	18/ESE	14/ESE	18	46/N
02/20	7/N	12/N	13/N	13/NNW	13/NNW	13/ENE	14/S	32/S	35/SSW	22/S	18/S	25/S	25/SSE	25/S	33/SSW	17/SSW	16/SSW	12/SSW	6/E	17/ESE	23/SSE	35/ESE	40/ESE	36/ESE	21	40/ESE
02/21	32/ESE	28/SE	8/E	17/NE	4/ENE	7/NE	5/N	9/S	13/SW	14/NNE	13/NNE	13/NNE	22/NNE	21/NE	26/NNE	29/N	16/N	12/NE	14/NE	21/NNE	*	*	*	*	16	32/ESE
02/22	18/NE	11/ENE	31/NE	17/NNE	22/NE	41/NNE	45/NNE	23/NNE	35/N	19/NNE	11/NNW	9/NE	6/E	6/ESE	9/NNW	13/SSE	11/NNE	16/N	15/N	22/N	34/N	31/N	22/NNE	26/NNE	21	45/NNE
02/23	9/NE	12/NNE	12/ESE	24/E	5/SSE	7/E	6/ENE	5/NNE	10/W	7/NNW	12/N	9/N	8/W	3/WSW	16/N	27/NNW	29/N	27/N	22/NNE	7/N	5/NW	10/SSW	15/S	12/SE	12	29/N
02/24	26/WSW	15/WSW	21/SW	8/S	7/NW	32/N	25/NNE	10/NNW	5/SW	10/WSW	22/SW	25/SW	15/SSW	13/SSW	6/SW	3/WNW	11/N	29/NNE	24/N	3/NNW	26/N	18/N	22/N	17/NW	16	32/N
02/25	15/ENE	24/ENE	17/ENE	9/W	10/NNE	7/NNW	33/NNE	25/N	18/NNE	16/NNW	8/NNW	6/NNW	13/N	17/NE	9/N	18/N	20/NNW	29/N	26/N	15/N	10/SSW	11/SSW	17/S	23/SE	16	33/NNE
02/26	33/SE	33/SE	22/SE	19/ESE	2/WNW	42/N	28/N	21/N	10/N	21/SSW	21/SSW	26/SSW	27/SSW	10/NE	13/S	11/S	24/NNW	35/N	26/NNE	35/NNE	17/NNE	10/SW	21/S	35/SSW	23	42/N
02/27	39/SSW	35/SSW	22/S	18/S	10/SSW	6/N	28/N	31/N	28/N	23/N	5/S	25/SSW	36/SSW	30/SSW	18/SE	16/E	11/E	7/S	18/NNW	54/NNW	35/NNW	22/N	18/S	29/S	24	54/NNW
02/28	35/S	29/S	24/SSE	31/SE	17/SE	6/ESE	2/N	11/WSW	15/NNE	12/N	5/ENE	16/SE	25/SSE	31/SSE	27/SSE	25/SE	23/SSE	11/ESE	9/NE	3/N	8/W	10/W	28/N	5/NW	17	35/S
平均值	22	26	21	18	14	19	20	17	15	15	15	19	20	19	18	18	21	20	19	19	20	22	25	25		
最大值	40/NNE	74/SE	52/SE	37/NNE	41/NNE	44/NNE	45/NNE	32/S	35/N	26/ESE	44/ESE	46/ESE	43/ENE	39/ESE	33/SSW	33/ESE	46/NNE	41/NNE	29/S	54/NNW	36/NNW	51/SE	61/SE	57/SE		

[註 **1**]: 月平均流速= **19cm/s**, 最大流速= **73m/s**, 其流向爲 **SE**(去向)。流速分佈: **<25cm/s: 72.7%,25~50cm/s: 26.1%,50~70cm/s: 1.2%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 32.5%,E~S: 25.0%,S~W: 22.8%,W~N: 19.7%**, 流向主軸: **N - S** (佔 **26.0%**), 主流向: **N** (佔 **16.4%**)。每小時記錄一次, 本月計 **593**筆 (**88%**), 資料檔名:**C092SAX0.1HA**。

表3.7.4　2009 年 03 月 蘇澳港測站 X 觀測逐時流速及流向月報表

2009年 **3**月 **1**日 **0**時 **0**分 ～ **2009**年 **3**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
03/01	25/S	36/S	27/S	23/S	13/S	13/SSW	4/NNE	63/N	50/N	29/NNW	5/N	10/SE	17/SSE	31/S	29/SSW	29/SW	10/W	13/NW	33/N	22/N	40/N	21/N	7/NW	20/S	24	63/N
03/02	27/ESE	30/ESE	30/ESE	13/SSE	23/ESE	13/ESE	5/N	5/NNW	45/N	35/N	22/N	4/N	11/SE	27/ESE	21/S	24/SE	27/SE	12/SSE	12/ENE	23/NNE	36/N	22/N	19/N	10/NE	21	45/N
03/03	7/ESE	17/S	20/SSW	26/SSW	17/SW	8/SSW	6/SSW	11/N	8/NNE	10/NW	7/SSE	11/ESE	6/SSE	20/ESE	29/SE	47/ESE	30/SE	30/SE	13/E	18/ENE	20/NE	26/NE	13/NNE	9/ENE	17	47/ESE
03/04	9/SSW	20/SE	19/SE	20/ESE	21/ESE	16/ESE	12/ESE	12/N	13/N	19/N	29/N	20/N	7/N	10/N	14/N	20/NNE	13/NE	17/S	21/E	24/E	17/ENE	20/NE	18/ENE	16/ENE	17	29/N
03/05	5/ENE	4/ESE	8/ENE	3/SSE	10/SE	12/SSE	10/SE	13/ENE	10/N	9/NW	14/NW	17/NNW	11/NW	11/WNW	13/SSE	6/SW	9/NNW	8/S	10/SW	14/SSE	18/SE	22/SE	17/SSE	12/E	11	22/SE
03/06	5/NE	23/N	19/NNW	19/SSW	41/SSW	53/SSW	16/SSE	17/ENE	12/NE	18/NNE	25/NW	4/N	15/NNE	25/N	17/NNW	13/NW	5/SSW	15/SSE	20/SE	29/SSE	23/SE	33/SE	45/ESE	43/ESE	22	53/SSW
03/07	32/ESE	18/ESE	11/ESE	12/SE	7/SW	9/SSW	21/S	8/S	17/SE	8/ENE	5/SSE	5/NNW	16/N	26/N	37/N	10/N	12/NNE	10/NNE	14/E	24/ESE	36/ESE	46/ESE	44/SE	35/ESE	19	46/ESE
03/08	25/ENE	11/E	18/N	11/N	12/NE	15/NW	8/S	16/S	19/SSE	18/SSE	22/S	13/SSE	16/SW	12/S	3/E	8/NE	24/NNE	15/NNE	5/ENE	12/ESE	24/ESE	38/ESE	42/SE	54/ESE	18	54/ESE
03/09	41/E	34/ESE	23/ESE	10/SE	16/NNW	27/NNW	16/SSW	28/SSW	43/SSW	39/SSW	13/ESE	13/ENE	31/NE	52/NNE	29/N	18/N	12/N	14/NNW	7/NW	13/S	20/ESE	38/ESE	50/ESE	50/ESE	27	52/NNE
03/10	41/ENE	39/E	27/ESE	20/E	18/NE	6/E	8/E	6/SE	7/SW	11/SW	17/S	10/SW	14/NW	12/NW	13/WNW	16/NW	23/NW	8/NE	14/NNE	6/WNW	10/NNW	14/N	14/NNE	33/N	16	41/ENE
03/11	41/NNE	35/NE	28/NNE	23/NNE	27/NNE	36/N	28/N	16/NNW	18/NNW	17/NNE	10/NE	5/WNW	17/SE	20/SSE	19/SE	11/S	3/NW	37/N	28/N	*	28/N	10/WSW	17/SSW	19/W	21	41/NNE
03/12	28/NNE	20/N	10/NNE	20/ENE	26/NNE	23/N	19/NE	11/ENE	20/NNE	28/N	26/NNE	10/ENE	15/ENE	20/N	17/N	26/N	45/N	52/N	46/NNE	31/NE	10/E	11/NNW	8/N	24/SE	23	52/N
03/13	32/ESE	23/ENE	18/NE	15/NNE	15/NNE	36/N	33/N	10/NNE	9/NW	16/WNW	12/N	17/NE	8/ENE	9/E	12/ENE	14/NNE	10/W	7/S	20/SW	48/NNW	19/NNW	11/W	23/S	34/S	19	48/NNW
03/14	40/S	37/SSE	24/SSE	25/SSE	28/SSE	35/SSW	39/SSW	20/SW	21/NE	16/NW	6/SSW	23/SSE	27/SE	31/SE	30/ESE	30/SE	19/S	8/SE	9/NW	15/S	35/N	33/NNE	24/NNE	16/ENE	25	40/S
03/15	33/E	42/ESE	33/ESE	39/ESE	26/ESE	13/ESE	4/NNE	5/SE	4/ESE	13/WNW	11/WSW	12/NNW	14/N	9/NNW	15/W	16/N	8/NNE	10/WSW	17/NNE	14/NE	7/NE	10/NE	8/NNE	13/NE	16	42/ESE
03/16	12/E	17/SE	23/SE	10/SSE	12/ESE	6/SSW	6/N	8/SSW	6/NNW	13/NE	25/N	22/NNE	29/NNE	23/NNE	6/NNW	4/ENE	4/ENE	12/NE	22/NNE	18/N	10/NNW	11/N	16/NNE	26/N	14	29/NNE
03/17	18/N	20/N	12/N	8/ESE	8/ENE	4/ESE	4/NNE	4/N	10/NW	31/N	28/NNW	18/N	13/N	17/NNE	18/N	15/NNE	20/NNE	19/NE	19/NNE	25/NNE	22/NNE	28/NNE	42/NNE	34/NNE	18	42/NNE
03/18	20/NNE	6/NNE	11/E	4/E	4/ENE	4/SSW	6/NNE	3/NE	14/NNW	7/NNE	44/N	15/NNW	19/N	8/NNW	14/NNW	15/NNE	18/NNE	18/NE	15/N	16/NNE	*	24/NE	27/NNE	10/NE	14	44/N
03/19	10/ENE	5/SE	8/NNW	7/SE	6/E	9/SW	4/S	5/NW	7/NW	7/N	7/WSW	5/NW	6/SW	7/SSW	16/SW	18/SW	15/SSW	13/SSW	15/S	15/SSW	12/SE	9/ESE	9/ENE	12/ESE	9	18/SW
03/20	9/SE	11/E	13/SSE	12/SSE	11/SSE	7/ESE	8/SSW	15/SSW	9/WNW	11/NW	8/SW	7/SW	8/N	13/NNW	6/NE	8/SSW	8/SE	16/SSE	25/ESE	22/SSE	24/SSE	27/ESE	21/SE	13/ESE	13	27/ESE
03/21	13/ESE	7/NE	5/NNW	5/N	2/ENE	10/SSE	9/SW	10/SSW	10/W	10/WSW	12/WSW	22/SW	19/SW	10/SW	4/WNW	8/NE	12/N	8/NNW	5/SW	12/SW	14/SW	4/WSW	7/SE	8/N	9	22/SW
03/22	27/NNE	28/NNE	23/NNE	17/NNE	8/NE	4/SW	11/SSE	18/SW	19/SSW	8/WSW	10/W	10/WSW	7/W	4/NW	20/N	13/N	14/NNE	8/SSE	9/SSE	8/SSE	16/S	29/S	19/SW	24/S	15	29/S
03/23	21/SSE	15/SSE	10/SSW	2/SSE	13/NNW	9/NW	16/SSW	19/SW	25/SW	13/S	9/S	16/SSE	12/SE	11/WSW	5/SSW	10/N	34/N	17/N	8/NNW	10/S	19/S	25/SSW	26/S	22/S	15	34/N
03/24	14/ESE	12/E	8/NNE	17/NNW	23/NNE	37/N	28/N	13/NNW	5/S	12/S	19/SSE	24/SSW	16/S	11/SE	5/SSE	13/N	46/N	19/N	24/N	4/NNW	5/E	17/N	13/SE	29/ESE	17	46/N
03/25	35/ESE	21/E	13/ESE	23/N	26/NNE	23/NW	10/SW	19/SSW	23/S	24/S	22/SSE	10/ESE	16/SSE	8/W	16/NW	30/NNW	36/N	17/N	34/N	16/NNW	18/NE	21/E	38/E	37/ESE	22	38/E
03/26	40/ESE	36/ESE	23/E	21/ENE	12/NNW	24/N	15/NNE	4/S	12/SSE	3/NNW	12/WSW	15/NNW	21/NW	18/NW	21/NNW	15/NNW	15/NNW	16/NNE	8/ENE	9/E	9/N	14/NNE	18/NNE	22/NNE	17	40/ESE
03/27	26/NE	6/W	31/NNE	31/NNE	28/N	30/NNE	27/N	19/NNE	3/W	14/N	10/N	23/E	19/NNE	19/N	11/N	26/NNE	26/N	23/N	27/NNE	16/N	9/N	11/E	11/SW	13/SSW	19	31/NNE
03/28	10/SW	5/SSE	7/WNW	9/ENE	21/NE	16/ENE	32/NNW	25/N	12/N	12/S	21/SSW	30/S	25/S	3/SSW	13/NNE	6/S	19/N	39/NNW	27/N	14/N	6/W	8/W	28/SSW	35/SSW	18	39/NNW
03/29	24/SSW	23/SSW	19/S	9/NNW	5/WNW	20/NNW	35/N	47/NNE	24/N	17/N	10/W	21/S	36/SSW	38/SSW	25/SSW	24/S	23/SSE	11/SE	17/N	35/NNW	21/NW	21/N	5/ENE	16/SSW	22	47/NNE
03/30	22/SSE	23/SSE	22/SE	17/SE	8/SE	6/SSW	13/N	27/NNW	29/N	*	13/N	7/ESE	22/SSE	26/SSE	32/SSE	34/SSE	25/SE	13/S	5/N	7/NNW	17/NNW	13/NW	15/N	5/SE	17	34/SSE
03/31	14/ESE	16/SE	22/ESE	18/SE	12/ESE	2/S	11/NW	18/NW	13/N	28/N	19/N	4/NNE	16/SSE	29/SE	40/SE	38/SSE	31/SE	25/SE	26/SE	18/E	10/ESE	15/SE	4/NNE	8/E	18	40/SE
平均值	23	21	18	16	16	17	15	16	17	17	16	14	16	18	18	18	19	17	18	18	19	20	21	23		
最大值	41/E	42/ESE	33/ESE	39/ESE	41/SSW	53/SSW	39/SSW	63/N	50/N	39/SSW	44/N	30/S	36/SSW	52/NNE	40/SE	47/ESE	46/N	52/N	46/NNE	48/NNW	40/N	46/ESE	50/ESE	54/ESE		

[註 1]: 月平均流速= **18cm/s**, 最大流速= **63m/s**, 其流向爲 **N** (去向)。流速分佈: **<25cm/s: 78.5%,25~50cm/s: 20.6%,50~70cm/s: .8%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 31.6%,E~S: 30.0%,S~W: 17.0%,W~N: 21.5%**, 流向主軸: **N - S** (佔 **24.0%**), 主流向: **N** (佔 **17.0%**)。每小時記錄一次, 本月計 **741**筆 (**100%**), 資料檔名:**C093SAX0.1HA**。

港灣技術研究中心

表3.7.5　2009 年 04 月 蘇澳港測站 X 觀測逐時流速及流向月報表

2009年 **4**月 **1**日 **0**時 **0**分 ～ **2009**年 **4**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
04/01	16/SE	13/SE	20/ESE	26/E	15/ESE	4/SSW	4/SSW	11/WNW	6/NW	38/N	10/NNW	3/N	15/W	17/ESE	35/E	43/ESE	22/SE	52/E	38/E	37/E	39/NE	20/NE	13/E	13/SSE	21	52/E
04/02	8/SE	13/SE	27/SE	22/S	13/SSE	13/S	8/SSW	10/WSW	10/W	8/NW	7/N	6/NW	11/SSE	10/ESE	20/ENE	26/E	29/E	32/E	17/ESE	26/ENE	36/ENE	23/ENE	19/E	17/E	17	36/ENE
04/03	11/E	8/SE	5/SE	7/NNW	10/NW	9/W	7/SW	16/W	11/W	16/NW	9/NNW	10/NNE	19/NE	22/NNE	30/N	24/NNE	19/N	23/N	23/NNE	36/NNE	29/NNE	23/NE	15/ENE	13/ENE	16	36/NNE
04/04	10/E	9/ESE	9/S	4/S	14/S	25/SW	35/SW	11/S	9/NW	11/WNW	18/WNW	17/WNW	13/NW	15/N	19/NNE	17/NNE	32/NNE	24/NE	22/N	27/NNE	40/NNE	26/NNE	21/N	25/ENE	19	40/NNE
04/05	8/E	4/ENE	11/ENE	7/N	5/N	8/NNW	8/ESE	6/SE	6/SSW	18/SSW	37/WSW	28/WSW	24/WSW	16/W	9/N	9/ENE	6/SE	5/N	8/SSW	10/S	7/NW	16/S	11/S	13/SE	12	37/WSW
04/06	11/SSE	10/SSW	12/SW	8/SSW	10/SSW	14/WSW	10/SSW	22/S	16/ESE	20/SE	17/SE	18/SE	13/SSW	12/WSW	6/SSW	8/SSE	6/ESE	2/NNE	21/NE	17/E	23/ENE	29/ESE	37/ESE	44/E	16	44/E
04/07	38/E	26/ESE	8/E	7/SSE	7/SSE	6/SW	5/E	9/NE	12/E	9/SE	19/SE	24/ESE	14/ESE	5/WSW	5/WNW	13/WNW	3/N	4/ESE	11/NNE	26/NNE	11/ENE	16/E	31/ESE	28/ESE	14	38/E
04/08	31/E	29/E	13/SE	14/ENE	10/NE	12/NE	9/ESE	8/NNW	7/W	16/SSW	36/SSW	45/SW	45/SW	43/SW	33/SW	12/NW	47/N	30/NNW	17/N	16/WNW	16/S	21/S	26/SSE	30/SE	24	47/N
04/09	33/SE	25/SSE	9/SE	8/S	13/E	5/SE	8/ESE	7/SE	9/S	23/SE	23/SSE	38/S	35/SSW	36/SSW	25/SSW	21/SW	11/SSW	3/NNE	14/N	8/NNW	1/WNW	10/SSE	21/ESE	22/ESE	17	38/S
04/10	29/N	31/N	17/N	6/N	5/N	12/N	14/N	8/N	13/N	9/N	13/N	22/N	38/N	31/N	30/N	16/N	7/N	4/N	26/N	3/N	3/N	7/N	11/N	22/N	16	38/N
04/11	20/SE	16/SE	14/SE	13/S	8/NNE	43/N	21/N	20/N	6/NNW	10/SSW	11/SW	22/W	30/W	23/NNW	24/N	17/N	16/NNW	19/NNW	20/NW	13/N	5/NNW	13/NNW	12/NNW	9/N	17	43/N
04/12	5/WNW	19/E	17/ESE	6/SE	6/NE	11/NNE	44/N	9/N	9/WSW	7/SW	12/NW	12/NW	22/N	16/NNW	8/SW	27/NNE	28/NNE	37/NNE	19/N	19/NNW	15/N	8/N	10/NE	7/ESE	16	44/N
04/13	7/ESE	7/SSE	11/W	11/WSW	10/W	13/W	8/NW	4/WNW	13/NE	6/NE	14/NNW	12/NNW	9/SW	32/SW	21/S	28/ESE	17/E	5/W	41/NNE	16/NNE	25/N	12/NNE	12/N	3/WNW	14	41/NNE
04/14	12/WNW	9/WNW	4/SSW	11/SSW	8/WSW	15/W	8/WNW	4/NNW	5/SE	15/NE	18/NNW	6/NNW	22/W	18/SW	33/SW	35/WSW	23/WNW	17/WSW	7/SW	7/SW	7/W	5/W	3/E	11/E	13	35/WSW
04/15	10/SSE	15/SE	9/ESE	7/WSW	6/WSW	8/NW	7/N	4/NNE	12/NNW	20/NW	13/NW	13/NNW	10/NNE	17/NNE	23/NNE	32/NNE	59/NNE	45/NNE	39/NNE	28/NNE	27/N	15/N	17/N	10/NNE	19	59/NNE
04/16	13/NNW	8/NNE	7/WNW	5/W	6/NW	8/SW	2/S	5/W	9/NNW	10/NNE	17/NNE	21/N	10/N	11/NW	16/NNE	21/NNE	18/N	16/N	13/NE	31/NNE	36/NNE	33/NNE	14/N	4/WNW	14	36/NNE
04/17	6/W	7/S	5/S	18/WSW	13/S	22/WSW	18/WSW	16/W	5/N	4/S	12/WSW	7/NW	7/W	11/E	5/NE	13/SE	10/WSW	17/NE	30/ENE	12/E	40/E	29/E	18/ENE	11/ENE	14	40/E
04/18	5/NNE	4/WNW	4/SE	8/E	9/W	9/SW	6/SSW	6/NE	3/WSW	9/W	10/WNW	11/NW	14/NNW	13/NNE	7/NE	23/NNE	24/NNE	22/NNE	25/NNW	19/N	22/NNE	24/N	26/NNE	14/NE	13	26/NNE
04/19	13/NNE	15/N	17/N	9/NNE	6/NNE	8/WNW	8/S	23/WSW	21/WNW	25/W	19/WNW	10/NE	32/NNE	30/N	17/N	18/NNE	21/NNE	20/NE	28/N	48/N	39/N	36/N	36/NE	26/N	22	49/N
04/20	19/N	15/NNE	23/N	22/NNE	14/N	9/NW	4/N	15/W	7/SW	3/W	7/ESE	10/SSE	12/W	5/N	13/NE	10/NE	7/ENE	26/N	18/NNE	17/NE	13/ESE	12/SE	10/SE	24/SE	13	26/N
04/21	21/SE	17/SW	15/SW	5/SSE	9/SSE	5/SW	15/SSW	15/SE	8/SE	10/SSE	5/SE	5/ESE	7/N	5/E	8/NNW	21/N	10/NNW	11/N	4/SE	6/SSE	13/E	18/ESE	18/ESE	18/ESE	11	21/N
04/22	13/ESE	3/SE	5/S	7/SSE	6/WSW	4/SW	10/W	13/NW	11/NNE	13/N	17/ENE	23/E	3/NW	17/N	13/N	19/NNW	29/N	37/N	28/N	9/NW	8/ESE	5/WNW	16/NNE	13/NW	13	37/N
04/23	9/NNE	7/WNW	16/WNW	10/W	10/WSW	11/W	12/NNW	17/N	4/ENE	7/ENE	6/SW	9/NNE	10/NW	9/NW	6/WNW	13/WNW	11/WNW	13/N	14/N	21/NNW	16/N	13/NNE	6/N	12/NE	11	21/NNW
04/24	9/NNE	9/SW	8/SSW	4/W	15/N	38/N	23/N	22/NNW	15/N	16/N	8/SSW	15/NNW	18/NW	15/NNW	17/N	14/N	18/NNE	14/NNE	17/NNE	9/NW	11/WNW	3/ENE	12/E	8/SSE	14	38/N
04/25	12/WSW	5/W	3/NW	7/N	13/N	65/N	28/N	18/NNE	11/SW	11/S	25/SSW	28/S	25/SSW	27/SSW	25/S	10/SE	4/E	24/NNW	2/NW	8/SSW	10/S	9/SE	19/SE	12/ESE	17	66/N
04/26	20/SE	12/SE	15/ESE	10/WNW	18/WNW	24/WNW	5/NW	7/SE	11/S	13/E	24/ESE	34/SE	36/E	46/E	39/ENE	45/E	26/ENE	14/ENE	24/NNE	13/NE	17/NNW	10/N	6/ESE	15/ESE	20	46/E
04/27	25/ESE	16/SSE	8/ESE	8/WSW	16/W	15/NW	11/WSW	6/S	10/NE	4/SSW	17/ESE	31/E	38/ESE	29/SE	30/SSE	19/SSE	13/SE	7/SSW	6/SSW	7/NNW	4/ENE	2/SE	4/E	14/ESE	14	38/ESE
04/28	11/ESE	11/SSE	11/SSE	8/S	12/W	10/W	9/NNE	17/NE	30/N	10/N	15/W	12/WNW	23/W	40/W	45/WNW	34/WNW	26/NW	23/NNW	25/NW	16/WNW	6/WNW	21/NW	19/NW	14/N	19	45/WNW
04/29	16/NW	12/WNW	18/W	19/W	21/W	22/WNW	22/NW	47/N	37/NNW	31/NNW	30/NW	20/NNW	25/N	24/NNW	28/NNW	40/NW	33/NNW	34/NNW	25/N	13/N	11/NNW	16/N	22/N	20/NNW	25	47/N
04/30	11/W	17/WNW	21/WSW	17/WSW	17/W	21/WNW	15/WNW	18/N	36/NNW	26/WNW	20/WNW	17/NNW	21/NNW	18/N	20/NNE	23/NNE	29/NNW	23/NNW	58/N	58/N	34/NNW	15/N	14/NNW	9/NW	23	58/N
平均值	15	13	12	10	11	16	13	13	12	14	16	18	20	21	20	22	20	20	21	19	19	16	17	16		
最大值	38/E	31/N	27/SE	26/E	21/W	66/N	44/N	47/N	37/NNW	38/N	37/WSW	45/SW	45/SW	46/E	45/WNW	45/E	59/NNE	52/E	58/N	58/N	40/NNE	36/N	37/ESE	44/E		

[註 1]: 月平均流速= **16cm/s**, 最大流速= **65m/s**, 其流向爲 **N** (去向)。流速分佈: **<25cm/s: 81.9%,25~50cm/s: 17.4%,50~70cm/s: .7%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 30.0%,E~S: 21.9%,S~W: 17.6%,W~N: 30.4%**, 流向主軸: **N - S** (佔 **21.4%**), 主流向: **N** (佔 **17.1%**)。每小時記錄一次, 本月計 **720**筆 **(100%)**, 資料檔名:**C094SAX0.1HA**。

港灣技術研究中心

表3.7.6　2009 年 05 月 蘇澳港測站 X 觀測逐時流速及流向月報表

2009年 **5**月 **1**日 **0**時 **0**分 ～ **2009**年 **5**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
05/01	7/NW	5/N	11/NNW	9/NE	7/ENE	8/E	6/ESE	5/SSE	15/NNW	29/NW	26/NNW	18/NNW	22/NNW	24/NNW	20/NW	15/NNW	19/NW	11/WNW	21/NNW	20/NNW	35/N	22/NW	17/NNW	15/NNW	16	35/N
05/02	16/NNW	8/NNW	13/NNW	10/NNW	7/NW	6/SSW	7/SW	7/N	10/NNW	17/WNW	23/N	9/N	18/NNW	21/NNW	24/N	22/NNE	23/N	14/NNE	21/NNE	30/NNE	22/NE	28/NNE	15/N	16/N	16	30/NNE
05/03	11/NNW	4/NW	7/NW	14/NW	8/NW	10/NNE	12/NE	17/NNW	23/NNW	18/NNW	23/N	32/N	30/NNW	25/NNW	13/N	9/NW	15/N	10/NNE	12/ENE	23/ESE	29/ESE	33/ESE	22/ESE	14/E	17	33/ESE
05/04	5/E	12/SSW	17/SSW	10/SSW	15/SW	12/S	8/S	16/ESE	23/SE	26/E	13/ENE	12/ENE	23/NNE	11/NNE	7/NNW	3/E	4/SE	11/NE	14/ESE	23/E	35/E	34/ESE	27/E	18/E	16	35/E
05/05	12/E	10/NE	3/WNW	13/SSW	7/SW	3/NW	6/ESE	15/ENE	14/ESE	8/SSE	19/S	19/S	10/SSW	9/NNW	2/S	15/SSW	14/SW	10/SSW	8/WSW	15/S	21/SE	31/E	27/E	25/ENE	13	31/E
05/06	24/ENE	20/NNE	25/NNE	26/NNE	21/N	15/NNW	7/NE	4/NNE	19/ESE	25/SE	22/SE	20/SSE	21/SSE	10/SSW	4/W	12/WNW	8/W	9/SSW	8/WSW	8/SW	15/ENE	19/ESE	25/ESE	24/ESE	16	26/NNE
05/07	21/ESE	16/SSE	13/SE	3/SSW	21/NE	11/NNE	31/N	4/NNE	11/SE	12/S	17/W	21/WNW	23/NW	22/WNW	12/NNW	16/N	29/N	15/N	16/NW	7/NW	6/SSE	15/NW	13/NNW	12/E	15	31/N
05/08	16/N	7/SE	4/ENE	27/N	33/N	28/N	7/N	5/NE	9/SSW	11/WSW	30/NNW	33/N	34/N	25/NNW	22/N	18/NNE	26/N	29/NNE	28/N	20/NNE	8/WNW	5/N	7/E	11/N	18	34/N
05/09	15/NNE	18/N	12/N	17/N	19/N	13/NNE	23/N	5/N	4/NE	16/NNE	21/NNE	47/N	48/N	61/N	48/N	47/NNE	52/NNE	29/NNW	26/N	11/NNE	5/WSW	17/NW	25/N	25/N	25	61/N
05/10	19/N	16/NNE	19/N	18/N	16/NNW	14/NE	14/NNE	2/W	11/SW	7/SW	10/N	14/ENE	34/NNW	42/NNW	34/N	33/NNE	34/NNE	29/N	37/N	30/N	8/N	5/NW	3/WNW	6/ESE	19	42/NNW
05/11	7/E	7/S	7/SE	7/NW	19/N	26/N	19/N	16/NNE	13/NNE	12/NW	10/W	9/NNE	20/NNE	25/NNE	26/N	16/NNW	7/NNW	8/NW	14/NNW	21/N	19/NNE	5/ESE	9/SSE	9/SSE	14	27/N
05/12	12/SE	12/ESE	9/ESE	8/N	12/N	17/NNW	33/N	28/NNE	13/SSE	9/SSW	4/W	9/N	16/N	12/NNE	20/NNW	13/N	11/NNE	15/NNW	32/N	28/NNE	11/NW	3/NNW	6/S	20/SW	15	33/N
05/13	9/S	4/SSE	6/E	1/N	17/N	24/N	50/N	52/N	37/N	38/N	5/ENE	6/S	3/S	24/S	31/SSW	32/SSW	29/SSW	29/SSW	16/SW	15/N	11/WNW	5/WSW	6/WSW	12/SSW	19	52/N
05/14	23/SW	21/SSW	10/SSW	10/W	6/ENE	16/N	21/NNW	37/N	25/N	22/NNW	15/N	5/SW	11/S	15/SSW	15/S	18/S	11/SSW	9/S	5/WSW	12/SW	7/NNE	9/NE	10/SW	7/W	14	37/N
05/15	11/NNE	10/SSW	11/S	6/SSW	5/SSE	12/NNE	19/NNE	24/NNW	26/NNW	12/N	22/NE	11/E	12/NNW	9/N	5/NNE	10/NE	12/NE	34/N	36/N	43/NNE	28/NNE	9/N	6/W	10/WNW	16	43/NNE
05/16	6/N	6/WSW	16/SSW	9/SSW	4/W	7/NNW	18/NNE	27/NNE	26/NNE	28/N	24/N	18/NNE	17/NNE	18/NNE	16/NE	29/NNE	28/NNE	31/NNE	24/NNE	21/NNE	34/NNE	23/NE	11/NNW	7/NNE	19	34/NNE
05/17	4/N	5/ESE	14/S	22/SW	16/SW	19/WNW	13/NNW	10/N	20/NW	16/N	6/NNW	7/NW	13/NE	5/ENE	5/NE	15/N	4/WNW	7/WSW	11/ENE	4/SSE	8/SSW	2/NNW	9/NNE	8/NNE	10	22/SW
05/18	10/SE	8/SW	23/SSW	23/SW	17/SSW	7/ESE	12/ENE	8/ENE	8/NNE	9/N	7/N	9/NNW	11/NE	6/S	7/N	2/NW	14/SSW	10/SSE	10/SE	11/ESE	19/NE	9/SE	4/NNE	19/NNE	11	23/SSW
05/19	13/NNE	16/N	26/NNE	10/N	5/E	13/S	28/SSW	29/SSW	17/SSW	11/S	10/ENE	5/W	6/NNW	5/E	6/E	8/NE	9/N	4/ENE	12/SSE	17/S	18/SSE	21/S	12/S	17/SSW	13	29/SSW
05/20	6/S	9/SSW	15/S	14/S	13/SSE	6/S	5/NW	1/SE	3/SW	10/N	20/N	12/N	10/N	20/N	20/N	41/N	51/N	36/N	23/N	8/ESE	8/WNW	6/SW	5/NE	6/WNW	15	51/N
05/21	5/WSW	12/SW	8/S	6/SSE	14/NE	6/NNE	13/NNE	6/W	13/W	4/W	13/WNW	13/NNW	12/W	12/N	18/N	47/NNE	52/NNE	34/NNE	7/NE	7/SE	22/WSW	7/NW	9/SSE	6/SE	14	52/NNE
05/22	11/SSW	14/SW	26/WSW	11/S	20/ENE	25/NNE	21/N	1/W	3/SE	8/WSW	21/W	15/NNW	14/NNW	14/NNW	20/WNW	11/WSW	21/NE	24/NNE	15/N	4/S	12/W	12/N	15/N	17/N	15	26/WSW
05/23	30/NNE	31/N	31/N	36/N	34/N	32/N	19/NNE	7/NNE	6/WNW	6/W	32/N	36/N	20/NNE	31/N	57/N	46/NNE	28/N	16/NNE	9/NE	9/N	9/W	17/WSW	19/SSW	16/SSW	24	57/N
05/24	5/N	9/W	13/NNW	32/NNW	17/NE	28/ESE	17/ESE	5/WSW	14/SE	8/S	15/SSW	17/SW	34/SW	25/SSW	11/S	12/NW	26/NNW	20/NNW	12/N	12/N	13/N	4/ESE	9/SSW	12/ESE	15	34/SW
05/25	9/SE	14/SE	5/NE	11/NNE	17/NNE	19/ENE	7/N	21/NNE	10/NNE	6/E	10/ENE	25/E	13/ESE	5/N	17/NNE	7/SW	4/SSE	10/NNE	15/NNE	20/N	8/NE	8/NW	12/WSW	4/SSW	12	25/E
05/26	9/NE	7/ESE	8/ENE	3/WSW	13/SW	4/SE	3/N	8/ENE	13/SW	6/E	17/SSE	15/WSW	20/NW	18/NNW	33/NNW	34/N	32/NNE	28/NNE	22/N	7/N	8/E	27/N	10/SW	26/SSW	16	34/N
05/27	24/SSW	8/N	5/SSE	8/SSW	22/WSW	15/S	8/NNE	38/NNE	31/NNE	5/E	8/SE	21/S	32/SSE	39/S	32/S	23/S	18/SSE	26/NNW	13/NNE	9/NNE	6/SSE	10/SSE	9/SW	13/SE	18	39/S
05/28	15/S	11/SSE	9/SE	5/NE	10/N	16/NNW	11/NNW	24/N	14/NE	8/NNE	13/SSE	12/SE	5/ESE	13/ENE	14/SE	23/SSE	28/S	20/SSW	18/SSW	16/S	5/S	6/ENE	7/SE	5/WSW	13	28/S
05/29	15/SSW	24/SSW	26/SSW	30/SW	22/WSW	19/WSW	15/WSW	19/WNW	7/WNW	3/E	12/E	10/S	13/SSW	14/SSW	5/SE	12/SE	10/ESE	18/ESE	23/ENE	22/E	17/NE	4/N	6/SW	14/S	15	30/SW
05/30	11/SE	14/S	15/S	13/SSW	9/SSW	6/WSW	7/SE	9/NNW	11/NNW	19/NE	8/N	24/NW	12/W	14/WSW	15/SSW	16/S	11/SW	3/N	4/E	5/N	18/NNE	21/N	17/NNE	8/N	12	25/NW
05/31	5/SW	8/S	19/S	17/S	13/SSE	6/S	7/ENE	11/NNE	24/NNE	15/NNW	13/NNE	8/NNE	10/NNW	10/WNW	8/WSW	4/NNE	13/NNE	17/NNE	16/N	22/NNE	24/NNE	31/NNE	38/N	33/NNE	15	38/N
平均值	13	12	14	14	15	14	15	15	15	14	16	17	18	19	18	20	21	18	17	16	16	14	13	14		
最大值	31/NNE	32/N	31/N	36/N	34/N	32/N	50/N	52/N	37/N	38/N	32/N	47/N	48/N	61/N	57/N	47/NNE	52/NNE	36/N	37/N	43/NNE	35/E	34/ESE	38/N	33/NNE		

[註 **1**]: 月平均流速= **16cm/s**, 最大流速= **61m/s**, 其流向爲 **N** (去向)。流速分佈: **<25cm/s: 84.0%,25~50cm/s: 15.1%,50~70cm/s: .9%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 36.3%,E~S: 17.7%,S~W: 21.0%,W~N: 25.0%**, 流向主軸: **N - S** (佔 **26.5%**), 主流向: **N** (佔 **19.5%**)。每小時記錄一次, 本月計 **744**筆 (**100%**), 資料檔名:**C095SAX0.1HA**。

港灣技術研究中心

表3.7.7　2009 年 06 月 蘇澳港測站 X 觀測逐時流速及流向月報表

2009年 **6**月 **1**日 **0**時 **0**分 ~ **2009**年 **6**月**19**日 **0**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
06/01	13/N	4/S	4/SE	10/SSE	15/SW	5/SW	6/SE	2/SE	10/NW	28/N	16/N	20/NNE	13/NE	10/ESE	12/E	23/N	27/NNE	28/NNE	23/NNE	21/NNE	13/NE	13/NE	13/N	27/NE	15	28/NNE
06/02	62/NNE	38/N	19/N	16/NNE	5/E	12/WSW	10/SSE	7/WSW	14/NW	13/N	27/N	18/N	16/NNE	12/N	7/NE	5/NE	10/NNE	20/NE	15/NE	15/N	15/N	18/NNE	19/NNE	16/NNE	17	62/NNE
06/03	10/NE	5/E	4/NNW	6/NNE	7/E	2/SSE	4/ESE	10/WNW	14/WNW	15/WSW	8/WSW	2/S	6/NNW	6/SW	10/SSW	1/ESE	5/ENE	5/ENE	5/WNW	13/WNW	10/W	14/NW	21/W	11/WSW	8	22/W
06/04	13/WNW	17/WNW	11/N	12/WNW	10/E	6/N	15/N	6/NNW	7/NW	18/N	11/NNE	*	6/NNE	5/N	13/NE	6/NE	8/NE	11/ESE	8/S	5/S	16/SW	13/S	8/SSW	17/NW	11	18/N
06/05	16/NNW	26/N	25/N	20/NNE	18/NNE	22/N	7/N	3/N	12/SSE	15/SSE	11/S	3/W	8/NW	11/NW	20/N	8/NNW	8/N	14/N	11/NNW	6/W	6/NW	8/WNW	6/SSE	10/ESE	12	27/N
06/06	9/SE	13/ENE	21/ENE	20/NNE	21/NNE	12/NNE	4/SSW	12/E	4/WNW	6/S	10/WSW	7/W	4/N	16/N	18/N	17/NNW	18/NW	14/N	19/NNE	4/NNW	5/W	5/NNW	12/N	7/NE	12	21/NNE
06/07	6/NE	11/N	16/NW	2/SW	10/N	2/NNE	7/NNE	2/W	6/W	6/SSW	11/W	21/N	26/N	28/N	24/NW	20/NW	22/N	24/NNW	14/NNE	9/N	11/N	9/S	4/NNE	12/NE	13	28/N
06/08	19/NNE	16/NNE	10/NNE	14/NNE	17/N	7/WNW	6/NE	12/NNE	40/NNE	25/NNE	17/NE	21/NE	28/NE	33/N	40/NNE	38/NNE	36/NNE	38/NNE	39/NNE	38/NNE	19/NE	13/SSE	15/SSE	13/NW	23	40/NNE
06/09	22/NW	28/NNE	30/NNE	27/N	28/N	29/N	3/ENE	3/S	7/NE	9/N	10/E	20/ENE	16/NE	31/NE	20/NE	15/NE	29/NNE	28/NE	17/NE	8/NNE	5/E	3/SW	5/N	12/N	17	31/NE
06/10	9/NNW	12/N	8/NE	6/NNE	7/WNW	11/NNW	13/NNW	18/N	24/N	29/NNE	15/N	14/N	17/N	23/N	19/N	25/NNE	28/N	25/NNE	20/N	21/N	5/E	11/WNW	7/WNW	11/SW	16	29/NNE
06/11	4/SW	10/SW	10/SSW	9/SSE	16/NNW	19/NW	14/N	11/NE	7/S	5/SSE	9/WSW	15/SW	16/SSW	20/WSW	28/SW	26/WSW	23/WSW	8/WSW	8/S	9/WSW	7/NNW	9/NW	5/ESE	9/SSE	12	28/SW
06/12	15/SW	6/SW	10/WSW	9/SSW	4/SSW	11/SW	27/SW	12/SW	14/WSW	30/N	12/N	6/ENE	7/NNW	6/NNE	8/E	15/SSE	13/SE	4/NE	7/N	15/N	11/NE	35/N	27/NNE	12/NE	13	35/N
06/13	9/N	14/SSW	9/SSW	10/SSW	5/NW	20/NNE	10/NNE	14/NNE	18/NNE	19/N	15/NNW	8/WNW	8/WNW	4/SSW	1/ESE	7/SSW	7/SSE	7/S	19/SW	6/SW	6/WSW	4/SW	6/N	4/W	10	20/NNE
06/14	8/WSW	17/S	13/SSE	15/SSE	15/SE	6/SW	16/SW	19/SW	23/SW	8/SW	4/N	5/WSW	14/SW	29/S	31/SSW	32/SSW	27/SSW	18/SSW	12/SE	19/S	16/SW	6/SW	5/WNW	8/SSW	15	32/SSW
06/15	6/SW	14/S	8/S	7/S	9/SW	4/SSW	9/SSW	6/NE	6/NNW	*	15/WSW	10/W	14/NNE	6/NE	5/ENE	12/SSE	20/SSE	23/SSE	15/S	10/SSW	8/SW	2/WNW	8/SW	9/WNW	10	23/SSE
06/16	6/NNE	6/ENE	9/N	5/W	8/NNW	1/NNE	3/NNE	4/W	3/ENE	27/N	24/NNE	47/NNE	41/N	32/N	24/N	24/N	23/N	14/NNE	8/N	14/NNE	9/WNW	10/NW	12/NNW	12/NNW	15	47/NNE
06/17	20/N	19/NNE	14/NNE	2/N	7/N	10/SW	14/SW	11/W	14/WSW	5/NW	5/W	15/NNE	20/N	11/NNE	13/NNE	5/N	7/NNE	12/NNE	13/N	7/NNW	4/NNW	8/WNW	6/N	7/NNE	10	20/N
06/18	16/N	18/N	11/NNE	9/NNW	3/E	2/NE	3/E	14/S	15/SSE	7/S	5/W	7/NNW	22/N	22/N	15/NE	12/NNE	13/N	3/SSE	4/SSE	5/NNE	3/WSW	6/SW	5/N	16/N	10	22/N
06/19	15/N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	15/N
平均值	15	15	13	11	11	10	10	9	13	16	13	14	16	17	17	16	18	16	14	13	10	11	10	12		
最大值	62/NNE	38/N	30/NNE	27/N	28/N	29/N	27/SW	19/SW	40/NNE	30/N	27/N	47/NNE	41/N	33/N	40/NNE	38/NNE	36/NNE	38/NNE	39/NNE	38/NNE	19/NE	35/N	28/NNE	27/NE		

[註 **1**]: 月平均流速= **13cm/s**, 最大流速= **62m/s**, 其流向爲 **NNE**(去向)。流速分佈: <**25cm/s: 90.0%**,**25**~**50cm/s: 9.7%**,**50**~**70cm/s: .2%**,**75**~**100cm/s: .0%**,>**100cm/s: .0%**。

[註 **2**]: 流向分佈: **N**~**E: 42.2%**,**E**~**S: 11.1%**,**S**~**W: 21.8%**,**W**~**N: 24.8%**, 流向主軸: **N - S** (佔 **26.0%**), 主流向: **N** (佔 **21.1%**)。每小時記錄一次, 本月計 **431**筆 (**60%**), 資料檔名:**C096SAX0.1HA**。

表3.7.8　2009 年 07 月 蘇澳港測站 X 觀測逐時流速及流向月報表

2009年 **7**月 **1**日**15**時 **0**分 ~ **2009**年 **7**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
07/01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12/NNW	10/NNW	7/NNE	5/NW	4/NW	5/N	4/WSW	5/WSW	14/WSW	7	14/WSW
07/02	10/WSW	6/SW	7/W	5/S	6/SSE	13/S	*	5/SW	8/NNE	20/NNE	19/N	*	15/N	13/N	20/N	9/NNW	6/NNE	2/S	13/S	9/SW	16/SW	4/NW	14/N	12/N	11	20/N
07/03	23/NNE	35/NNE	*	21/N	23/NNE	15/NE	3/WNW	8/E	6/NNW	18/NNW	40/N	23/ENE	6/ENE	16/N	17/NE	11/NE	7/ENE	14/NNE	17/E	12/S	5/SSE	7/SSE	11/E	10/ENE	15	40/N
07/04	20/NNE	8/NNE	13/N	11/N	10/E	7/ENE	9/ENE	4/SSE	4/NW	17/N	29/N	27/NNE	27/N	13/N	15/NW	12/NNW	13/NW	8/NE	4/NNE	8/SE	6/ESE	2/ESE	14/ESE	15/SE	12	29/N
07/05	6/SSW	9/S	15/SSW	16/SSW	9/S	15/E	9/E	11/SE	16/SSE	22/S	19/SSW	11/WSW	6/S	3/NNW	1/W	6/NNW	5/NW	6/WNW	5/SSE	4/SE	17/SSW	9/SSW	4/ENE	6/N	10	22/S
07/06	8/W	6/NE	6/N	11/SSW	6/SSW	4/NNE	7/ENE	13/ESE	4/S	9/SW	30/NNW	39/NNE	46/N	40/N	32/N	20/N	28/NNW	33/NNE	32/NNE	19/N	15/N	12/NW	12/NNW	4/NNW	18	46/N
07/07	17/N	5/E	9/NNW	11/NE	7/NNW	15/WNW	4/N	5/SSE	6/ESE	7/WNW	12/NNW	25/NNW	40/N	41/N	42/N	*	38/N	33/NNE	26/N	34/NNW	43/N	16/N	8/WNW	19/N	20	44/N
07/08	24/N	20/NNW	18/N	9/N	10/NW	21/N	17/NNE	9/ENE	12/SSE	8/S	3/NW	9/SSW	20/NW	19/NNW	27/NNW	14/N	12/NW	17/N	16/NW	19/N	24/NNW	9/NNW	9/ESE	29/SW	16	29/SW
07/09	6/SW	15/NNE	10/NW	12/N	21/SW	10/NW	14/NNW	22/N	22/NE	11/S	5/S	*	13/SSW	26/SSW	24/S	10/SSW	5/SSW	3/NE	17/NNW	32/N	28/NNE	22/NNW	5/ENE	11/S	15	32/N
07/10	7/WNW	11/N	21/N	16/N	44/N	34/N	67/NNE	39/N	37/NNW	35/N	30/N	29/N	15/NNE	14/NNE	14/NNW	20/NNW	16/N	21/N	35/N	32/N	14/N	15/N	4/NNE	13/S	24	67/NNE
07/11	11/S	7/N	21/N	34/N	41/N	35/NNE	66/N	57/N	40/N	41/N	35/N	31/N	34/N	19/N	13/NNW	32/NNE	29/NNE	35/NNE	26/NNE	38/N	27/N	47/N	41/N	38/N	33	66/N
07/12	27/NE	14/NE	12/NW	15/NW	9/NW	15/NW	23/WNW	35/N	30/NW	27/NNW	28/NNW	18/N	20/N	23/NNE	18/N	24/N	20/NNW	17/N	14/N	13/N	15/N	24/N	13/NNE	13/N	20	35/N
07/13	9/E	15/SSW	9/SSW	8/SW	16/SSE	8/ESE	5/NNW	30/N	12/WNW	41/N	64/N	38/N	28/N	24/NNE	5/NE	6/E	5/NNW	6/ENE	14/NNE	19/NNE	47/N	44/N	45/N	30/NNE	22	64/N
07/14	17/NE	12/ESE	6/SE	11/ENE	11/NNE	8/NE	11/NNE	30/NNE	45/N	36/N	40/N	36/N	32/N	11/ESE	9/NE	16/N	9/ENE	14/NNE	13/NNE	9/E	8/NNE	19/NNE	26/N	25/NNE	19	45/N
07/15	20/N	19/N	22/NNE	10/N	7/WSW	18/N	23/N	18/NNE	19/N	19/N	22/N	18/N	17/N	17/NNE	11/N	16/N	6/WSW	15/NNW	22/N	22/N	18/N	25/NNE	20/N	11/N	17	25/NNE
07/16	4/E	5/SE	6/ENE	9/WNW	10/NW	5/W	5/NNW	9/NNE	9/N	7/NW	13/NNW	19/NNW	21/NNW	8/NE	4/ENE	6/SE	12/WNW	9/NW	18/NNW	14/NNW	26/N	21/N	22/NW	17/NW	12	26/N
07/17	35/N	29/N	30/N	20/NNE	30/N	17/N	11/NNE	16/N	15/NW	24/N	28/NNE	36/N	34/NNE	37/NNE	15/N	9/N	5/SE	13/S	9/S	16/SSW	9/NW	18/N	11/WNW	16/NW	20	37/NNE
07/18	14/WNW	16/NW	19/NNE	26/N	27/N	19/N	14/NNE	21/N	27/N	36/N	20/N	29/N	31/N	29/NNE	26/N	12/SE	19/SE	20/SSE	18/SE	24/SSW	12/SE	7/NNE	30/N	30/N	22	36/N
07/19	59/NW	28/NNW	34/NNW	27/NW	22/NNE	25/NNE	33/N	31/N	20/NNW	23/N	38/NNE	40/NNE	38/N	25/NE	12/NE	13/N	6/NE	12/NNE	7/W	24/SW	13/WSW	19/NNE	16/NE	11/NNW	24	59/NW
07/20	7/WSW	32/SW	25/WSW	20/WSW	15/W	9/NNE	1/NNE	9/N	*	18/N	46/N	44/N	40/N	19/NNE	20/NNE	21/N	25/NNE	24/NNE	19/NNE	8/SSW	25/WSW	12/WNW	13/N	13/NNE	20	46/N
07/21	7/NNW	9/SW	32/SW	7/WSW	18/WNW	44/NNE	38/NNE	24/NNE	8/NNE	22/N	35/N	54/N	66/N	64/N	46/N	27/N	11/NE	28/NNE	30/N	13/NNE	10/S	16/WSW	13/W	24/N	27	66/N
07/22	35/NNE	19/NNW	15/NW	19/SW	10/W	16/NNE	20/N	10/E	6/ENE	11/WNW	14/NNW	27/NNW	30/N	50/N	53/N	39/N	32/N	24/N	9/NNE	4/SSW	14/S	30/SW	15/WSW	7/SE	21	53/N
07/23	4/ESE	8/SSW	23/SW	16/SSW	20/SW	5/WSW	5/ESE	11/E	13/SE	7/W	8/NW	19/N	27/NW	31/NNW	32/N	20/NW	18/NNW	14/NE	10/NNE	15/NE	20/E	8/S	15/SW	9/SW	15	32/N
07/24	7/SW	12/ESE	12/NE	10/NNE	20/NNE	8/S	33/N	32/N	32/NNE	23/NNE	7/NNE	9/WNW	17/WSW	21/SW	4/NE	19/ESE	16/ESE	13/SE	21/E	16/E	8/SSE	11/N	6/SSW	14/SSE	16	33/N
07/25	10/SE	16/SW	7/SE	10/ESE	12/ENE	23/NNE	33/N	27/NNW	38/N	25/N	19/N	21/N	13/NNE	7/NE	19/N	24/N	42/N	23/N	13/N	13/E	8/N	27/NE	22/N	15/ESE	20	42/N
07/26	13/SSE	14/SSW	5/W	5/WNW	14/E	8/NE	5/N	18/NNE	15/NE	16/NNE	11/NE	12/NE	15/N	28/N	26/N	30/N	33/N	21/N	24/N	19/N	22/NNE	34/N	28/NE	14/E	18	34/N
07/27	8/NNW	13/WNW	6/SW	8/SSW	9/NNW	12/NE	15/ENE	19/NE	26/N	22/NNE	43/NNE	32/NNE	30/N	14/NNE	15/N	10/N	19/N	19/NNE	8/NNE	20/N	17/NE	30/N	23/NE	26/NE	19	43/NNE
07/28	16/NNE	19/N	9/NNW	6/N	19/N	15/N	14/N	7/E	14/NNE	14/NNE	9/NNE	19/N	20/N	29/N	25/N	4/WNW	16/N	26/NNW	21/NNW	13/N	9/NW	12/NNW	8/E	11/E	15	29/N
07/29	16/NNE	19/N	13/N	18/NNW	18/NNW	11/NNE	19/NNE	13/ENE	6/NE	15/N	23/N	19/NNE	16/N	14/N	10/NW	15/N	20/NNW	20/NNW	23/N	23/NNE	26/NNW	27/N	21/NNE	6/SW	17	27/N
07/30	13/S	7/SW	8/NW	8/N	5/N	8/ENE	6/WSW	11/SW	7/NW	29/N	32/N	18/N	19/N	12/NNE	15/NNE	14/N	14/WSW	*	11/NNW	14/N	6/NNW	24/N	18/NNE	24/N	14	32/N
07/31	29/N	18/NNE	8/ENE	5/E	10/SSW	13/S	12/SSE	5/WSW	12/NNW	8/N	25/N	25/N	17/N	15/NNW	12/NNE	10/NE	6/ESE	7/SE	7/N	5/SE	5/S	9/NE	5/NNW	9/SW	11	29/N
平均值	16	15	15	13	16	15	18	18	18	20	25	26	25	23	19	16	16	17	16	17	17	18	16	16		
最大值	59/NW	35/NNE	34/NNW	34/N	44/N	45/NNE	67/NNE	57/N	45/N	41/N	64/N	54/N	66/N	64/N	53/N	39/N	42/N	35/NNE	35/N	38/N	47/N	47/N	45/N	38/N		

[註 **1**]: 月平均流速= **18cm/s**, 最大流速= **67m/s**, 其流向爲 **NNE**(去向)。流速分佈: **<25cm/s: 77.6%,25~50cm/s: 21.1%,50~70cm/s: 1.4%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 44.0%,E~S: 10.5%,S~W: 12.9%,W~N: 32.5%**, 流向主軸: **N - S** (佔 **37.3%**), 主流向: **N** (佔 **33.7%**)。每小時記錄一次, 本月計 **722**筆 (**97%**), 資料檔名:**C097SAX0.1HA**。

港灣技術研究中心

表3.7.9　2009 年 08 月 蘇澳港測站 X 觀測逐時流速及流向月報表

2009年 **8**月 **1**日 **0**時 **0**分 ~ **2009**年 **8**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
08/01	8/SW	5/WNW	8/NW	8/NE	11/ENE	6/NNE	15/E	9/ESE	11/S	15/SSE	5/NW	5/WSW	12/SSE	7/E	6/NE	6/WSW	9/SSW	13/SW	14/SW	10/WSW	11/S	11/NNW	10/NNW	20/WNW	10	20/WNW
08/02	24/SW	22/SW	20/WSW	8/NW	13/NNW	13/NE	15/N	15/NNE	9/N	10/N	14/NNE	23/NNW	20/N	28/N	28/N	25/N	22/N	16/NNW	13/W	12/WSW	14/WSW	8/SW	*	10/SW	17	28/N
08/03	11/WSW	30/N	9/N	14/SSW	17/WSW	9/SW	10/SW	5/NNW	6/SW	10/WNW	7/WNW	7/NNE	9/NNE	29/NNE	20/N	6/NNW	9/N	12/NE	8/NE	4/S	18/SSW	4/SSW	14/SSE	9/ENE	12	30/N
08/04	22/NNE	24/NNE	27/N	35/NNE	21/NNE	18/NE	17/NNE	8/E	13/S	23/S	14/SSW	11/SW	7/SW	21/SSW	12/SSW	17/N	14/N	18/NNW	17/NNW	7/NNW	9/SSW	17/SSW	18/S	9/S	17	35/NNE
08/05	15/S	8/SSW	18/SSW	11/W	14/NNW	8/N	13/NNE	11/ENE	7/SE	14/SSE	20/SE	18/S	40/SSW	29/SSW	21/S	25/SSW	19/SSW	7/S	9/SSW	9/SSE	14/SW	23/S	27/S	12/S	16	40/SSW
08/06	20/S	10/S	34/SSW	36/SW	34/SSW	19/SSW	3/E	9/ESE	16/S	34/SSE	52/SSE	51/S	52/S	61/S	50/S	41/SSW	38/SSW	26/SSW	23/S	18/SSW	40/SSW	40/SSW	28/SSW	15/SSE	31	61/S
08/07	11/E	27/S	41/S	69/SSW	73/SSW	60/SSW	53/SSW	39/SSW	72/SSW	84/SSW	82/SSW	103/SSW	106/SSW	99/SSW	90/SSW	67/SSW	48/SSW	37/SSW	9/ESE	4/ESE	31/SSW	32/SSW	30/SSW	27/SW	54	106/SSW
08/08	55/SSW	41/SSW	20/SW	11/W	10/NNW	20/NNE	38/N	38/N	15/N	32/NNE	55/N	45/N	25/N	5/W	13/ENE	22/NNE	21/N	23/N	43/N	47/N	41/NNE	25/NE	17/ESE	15/E	28	55/N
08/09	9/NNE	8/NNE	14/SE	13/ESE	14/ENE	12/ENE	21/NNE	44/NNE	40/N	17/NE	32/NNE	17/E	14/ESE	5/SW	10/SW	7/NNE	6/N	14/NE	15/NNE	27/NNE	20/N	15/NE	18/N	11/WNW	17	45/NNE
08/10	10/W	7/S	12/SSE	23/S	10/SE	7/NNW	12/WNW	7/SSE	8/SW	*	*	15/SW	7/WNW	6/S	6/W	7/E	8/NNW	5/ENE	11/N	20/NNW	16/WNW	5/N	16/ENE	15/NNE	11	23/S
08/11	11/NNW	19/NNW	15/NNW	10/NW	10/W	8/NE	5/NNE	13/WNW	17/W	6/N	17/N	30/N	11/NW	4/W	9/WSW	23/S	19/S	13/S	8/SSW	32/SSW	21/SW	21/SSW	10/SW	7/NW	14	32/SSW
08/12	11/NNW	10/N	17/NNE	6/WNW	7/SSW	16/S	3/SSW	7/NE	16/NNW	7/W	5/W	5/NE	6/SSE	12/SSW	3/S	18/SSW	26/SSE	18/S	20/SW	22/SW	26/SSW	19/SW	13/W	7/N	13	26/SSE
08/13	13/ESE	6/SSE	9/ESE	4/SW	20/S	6/SSW	13/SW	5/SW	11/W	8/SW	5/ENE	4/E	10/NNE	21/NNE	19/N	19/N	26/N	22/N	6/NNE	19/SSW	36/SW	31/SW	22/SSW	5/W	14	36/SW
08/14	11/NE	5/NE	8/NNW	16/NNW	7/NW	5/SSW	10/NW	17/NNW	4/S	11/WNW	18/NNW	25/N	29/N	23/NNE	14/N	6/NNE	18/N	19/N	28/N	21/NNE	32/NNE	30/NE	22/NNE	20/NE	17	33/NNE
08/15	27/NE	16/ENE	14/ENE	6/SE	4/SW	8/WSW	8/WNW	16/WSW	9/SSW	1/N	13/NW	16/NNW	17/NNW	17/NNW	25/NNW	21/N	8/NW	13/NNW	18/NNW	23/NNE	15/NE	12/NNE	9/NNE	19/N	14	27/NE
08/16	26/SW	12/WSW	4/W	9/SE	2/NNE	8/W	15/W	13/NW	10/E	19/WSW	9/SW	26/N	18/NNW	12/NNW	7/NW	10/NNW	16/N	12/NE	30/NNE	27/NNE	21/NNE	10/N	12/NNE	7/SSW	14	30/NNE
08/17	6/WSW	30/SW	22/SSW	14/SW	15/ESE	6/S	10/SSW	15/WSW	11/SW	10/WSW	9/SW	15/NW	18/NNW	19/NW	14/NW	10/WSW	5/ESE	13/N	12/NNE	19/NNE	17/NNE	11/N	6/NW	7/W	13	30/SW
08/18	5/E	13/NE	16/NNE	22/NNE	9/ENE	9/SSE	13/SSE	4/SSE	8/SW	4/S	8/SE	6/W	16/NNW	19/NNW	22/NNW	19/N	10/NNE	7/ENE	14/NNE	14/NNE	11/NE	2/SSE	5/SE	6/E	11	22/NNE
08/19	4/NNE	7/ENE	23/NE	39/NNE	34/NNE	43/NNE	21/NE	7/E	11/SSW	8/SSW	9/WSW	5/W	14/W	17/W	9/W	9/W	6/NNE	15/NNE	11/NE	9/NNE	9/SSE	18/SSW	14/SW	12/WSW	15	43/NNE
08/20	7/SSE	21/NE	31/NNE	33/NNW	24/N	19/NNE	16/N	8/NE	6/NNE	8/S	7/SW	28/NNW	40/N	31/NNW	25/NNW	12/N	7/NNE	13/NNE	15/NE	13/SE	10/SW	15/SSW	15/SSW	12/SW	17	40/N
08/21	3/SW	4/SSE	8/N	31/N	41/N	33/N	38/N	34/N	29/NNE	7/E	16/SSW	15/SW	16/WSW	8/WNW	1/S	8/N	5/WNW	5/S	8/ENE	19/N	23/N	9/NNE	12/SSW	13/SSE	16	41/N
08/22	10/SSE	15/SE	4/N	4/W	19/NNE	31/NNE	62/N	48/N	32/N	26/N	8/SE	21/S	27/SSW	48/SSW	37/SSW	29/SSW	11/W	10/NNW	30/NNW	36/N	37/NNW	13/N	18/SE	19/SSE	25	62/N
08/23	29/SSE	21/SE	20/SSE	19/SE	11/ENE	21/NE	18/N	22/ENE	18/ENE	4/SW	10/SE	22/S	33/SSW	16/SSW	22/SW	27/SSW	22/SSW	8/WNW	12/NE	14/NE	9/E	22/S	8/SSW	12/SE	18	33/SSW
08/24	8/S	2/W	2/SE	13/NNW	6/S	8/ESE	17/N	35/NNE	25/NNE	35/NNE	15/N	8/NNE	12/NNW	17/N	28/NNW	26/NW	19/NNW	8/NW	13/N	31/N	34/NNE	12/ESE	10/SW	4/SE	16	35/NNE
08/25	17/N	7/WNW	10/SE	19/SSE	19/SE	9/ESE	13/ESE	10/NNE	6/NE	16/ENE	11/SSE	9/SW	18/WSW	16/WSW	16/SSW	12/NW	11/W	7/W	6/ENE	13/NNE	22/NNE	11/NE	6/SSW	18/NNE	13	22/NNE
08/26	4/W	8/SE	18/ESE	13/SE	19/SE	21/SE	20/SE	9/SE	4/WNW	11/NE	8/NNW	13/NNW	13/N	19/N	21/NNW	21/NNW	28/NNW	23/N	18/NNE	12/NNE	11/N	8/NE	11/E	9/SE	14	28/NNW
08/27	7/SW	5/SE	14/ESE	18/SE	15/ESE	21/SE	11/ESE	12/SE	9/WSW	9/SSE	2/E	9/NE	7/NNW	8/NNW	4/NNW	6/NNW	2/W	9/NNE	13/N	12/N	20/N	11/NNE	8/NE	14/NNE	10	21/SE
08/28	17/NNE	20/ENE	9/ENE	13/E	13/ESE	15/ESE	16/SE	5/SSW	7/WSW	13/SW	11/WSW	10/SW	12/SW	11/SW	14/SW	8/WSW	4/W	6/NNW	10/N	9/NNE	16/NNE	13/NNE	7/NE	11/S	11	21/ENE
08/29	8/S	4/E	7/E	14/E	12/SE	23/ESE	17/SE	17/ESE	17/SSE	20/SSE	12/SW	15/SSW	12/WSW	12/SW	13/SW	12/WSW	15/SW	11/SW	9/SW	9/W	4/WSW	11/NNE	17/NE	16/NNE	13	23/ESE
08/30	14/NE	21/NNE	20/NE	14/NNE	11/E	16/ESE	13/SSE	22/ESE	17/SSE	16/S	5/W	7/E	3/S	12/WNW	7/WNW	12/WSW	6/W	10/SW	16/WSW	12/SW	9/S	11/ESE	9/ESE	8/SE	12	22/ESE
08/31	9/SSE	11/SE	13/E	17/E	16/E	10/ESE	17/SE	13/ESE	18/SE	20/SSW	12/SW	19/WSW	8/SW	2/NW	11/W	7/WSW	4/WSW	5/SSE	16/SSW	17/SSW	11/SW	15/ENE	14/SE	11/SE	12	20/SSW
平均值	14	14	16	18	17	16	18	17	16	17	16	20	20	20	19	17	15	14	15	17	20	16	14	12		
最大值	55/SSW	41/SSW	42/S	69/SSW	73/SSW	60/SSW	62/N	48/N	72/SSW	84/SSW	82/SSW	103/SSW	106/SSW	99/SSW	90/SSW	67/SSW	48/SSW	37/SSW	43/N	47/N	41/NNE	40/SSW	30/SSW	27/SW		

[註 **1**]: 月平均流速= **17cm/s**, 最大流速= **106m/s**, 其流向爲 **SSW**(去向)。流速分佈: **<25cm/s: 84.3%,25~50cm/s: 13.0%,50~70cm/s: 1.9%,75~100cm/s: .5%,>100cm/s: .3%**。

[註 **2**]: 流向分佈: **N~E: 29.6%,E~S: 18.4%,S~W: 31.4%,W~N: 20.6%**, 流向主軸: **N - S** (佔 **23.5%**), 主流向: **N** (佔 **12.3%**)。每小時記錄一次, 本月計 **741**筆 **(100%)**, 資料檔名:**C098SAX0.1HA**。

港灣技術研究中心

表3.7.10　2009 年 09 月 蘇澳港測站 X 觀測逐時流速及流向月報表

2009年 **9**月 **1**日 **0**時 **0**分 ～ **2009**年 **9**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
09/01	27/SSW	28/SSW	22/SSW	17/SSW	18/S	10/SE	11/SE	16/ESE	13/SE	6/S	14/SSW	21/SW	11/S	29/SW	18/SW	15/SW	6/SSW	6/S	6/W	11/SW	11/S	12/SSE	13/SE	14/SE	15	29/SW
09/02	15/S	24/SSW	19/SSW	7/SSE	12/NW	5/ENE	9/SE	11/SE	20/SE	22/SE	27/E	27/NE	34/SE	29/SSW	28/S	20/S	17/SSW	16/SW	10/W	9/SSW	11/ESE	11/SSE	21/SE	17/NNE	18	34/SE
09/03	13/SSE	13/SE	7/SSW	9/NW	12/NE	6/E	5/NE	10/NNW	7/E	20/ESE	33/SE	36/SSE	45/SSE	41/S	28/S	17/S	4/SW	10/S	4/ENE	9/ESE	13/S	19/SSE	30/SE	31/SSE	18	45/SSE
09/04	15/SSE	18/SE	14/ESE	13/NW	4/S	10/SE	5/ESE	7/NE	8/ESE	17/ESE	30/SSE	49/SE	46/SSE	50/S	43/S	26/S	9/SSW	8/S	2/SE	8/E	9/SE	18/SSE	23/SSE	35/SE	20	51/S
09/05	44/SSE	29/SSE	16/SSE	11/SSE	5/WSW	18/SW	7/SW	3/WSW	15/NNE	20/S	27/SSE	41/SSE	45/SSE	44/S	38/SSW	33/SW	26/SW	8/SW	6/S	11/SE	11/SE	8/SE	20/SSE	27/SSE	22	45/SSE
09/06	39/SSE	37/S	23/SSE	15/SE	2/N	4/SE	6/SSW	6/NE	3/ENE	14/SSE	18/S	23/SSW	33/SSW	27/S	39/SSW	31/SSW	25/SSW	13/SSW	11/WSW	11/E	7/SW	5/ESE	17/SSE	18/SSE	18	39/SSW
09/07	16/SE	30/SSE	28/SE	27/SSE	15/S	8/ESE	15/NE	11/NNE	13/N	8/WSW	7/SW	21/SSW	22/SW	24/SW	21/SSW	17/SW	9/W	6/SE	14/NE	8/N	3/SSW	8/S	9/S	12/SSE	15	30/SSE
09/08	30/SE	38/SE	35/SE	21/SE	19/ESE	16/ESE	11/NNE	11/N	9/NE	7/NW	12/S	14/SSW	22/S	15/S	35/SSW	25/SSW	25/SW	12/W	13/NNW	20/NNW	15/N	6/NNW	9/SW	24/SSW	18	38/SE
09/09	24/SSW	31/SSW	30/SSW	29/SW	10/SW	10/SSE	34/NNE	27/NE	22/NNE	11/NNW	10/SW	15/SSW	23/SSW	23/SSW	30/SSW	21/SSE	3/N	42/NNE	44/N	51/N	43/NNW	17/N	16/N	19/NNE	25	51/N
09/10	12/NNE	22/SE	26/N	12/NNW	25/WNW	14/NW	29/N	34/N	11/NNE	6/SE	7/NNE	9/NNW	16/NNW	14/NNW	19/NW	10/WNW	13/NW	10/WNW	7/NNW	3/WNW	6/SE	13/ENE	14/NNE	19/NNE	15	34/N
09/11	20/NNE	21/N	31/N	36/N	42/NNE	41/N	34/N	27/N	21/N	21/NNE	15/NE	20/NE	21/NNE	12/N	7/N	20/NNW	18/N	17/NNW	16/NW	15/NW	9/NNW	7/NNW	10/ENE	17/NE	21	42/NNE
09/12	20/NE	11/ESE	12/NE	12/NE	21/SE	29/SSE	31/SE	16/SSE	6/SW	28/N	19/NNE	14/N	21/N	16/N	14/N	16/NNW	13/NW	17/NNW	18/NNW	19/NW	24/NW	25/N	26/N	26/N	19	31/SE
09/13	23/N	22/NNE	13/NNE	6/SSE	11/SSE	3/ENE	19/ESE	11/W	20/NNW	29/N	31/NNE	17/N	9/N	13/N	16/W	11/W	14/WNW	8/WNW	12/WNW	19/NNW	13/NW	32/N	22/N	20/NNE	16	32/N
09/14	18/NE	19/NNE	17/NNE	23/N	32/NNE	21/N	27/NNE	36/NNE	56/N	66/N	61/N	52/N	46/N	37/NNE	23/N	14/NNE	10/NE	15/NNE	7/NE	19/N	23/NNE	24/NNE	25/N	12/NNE	28	66/N
09/15	13/ENE	5/NW	9/N	13/NNE	15/NE	13/ESE	14/NNE	18/N	23/NW	19/NNW	17/WNW	5/WSW	16/SSE	13/NW	21/N	8/NW	9/S	10/SSW	11/SSW	16/SSW	7/S	7/WSW	6/SSW	10/S	12	24/NW
09/16	16/SSW	17/SSW	12/SSE	19/E	11/E	11/E	14/SE	8/SW	11/WNW	27/SSW	22/S	27/SSW	22/SSE	12/SSE	6/ESE	7/NNW	7/S	13/SSW	19/SSW	21/SSW	19/S	19/S	26/SSE	18/S	16	28/SSW
09/17	19/SW	23/SSW	21/SSW	9/SSW	16/ENE	14/N	15/SE	12/S	11/S	33/SSE	35/SSW	36/SSW	19/SSW	13/SSW	7/ENE	20/NNE	33/N	37/N	24/N	9/NNE	11/SW	11/S	14/SSE	23/SE	19	37/N
09/18	17/SE	7/ESE	6/SSW	11/N	16/NNW	10/N	3/WSW	11/S	15/SSW	17/S	26/SSW	24/SW	27/SSW	7/SW	17/NNE	21/NNE	36/N	37/N	36/N	18/N	4/ENE	5/SW	15/S	26/S	17	37/N
09/19	24/SSE	18/SE	19/ENE	26/N	49/NNE	37/N	33/N	30/NNE	12/NE	16/S	28/SSE	30/SSE	26/S	17/S	8/WNW	9/NNW	5/E	31/NNE	33/NNE	26/NE	20/SSW	12/SSW	34/S	31/SSW	24	49/NNE
09/20	22/SSE	33/SSE	23/SSE	15/SSE	7/SW	20/NW	30/NNW	22/N	10/NE	18/S	14/S	23/S	31/SSE	33/S	22/S	20/SSW	7/SW	21/NNW	27/N	29/NNE	9/NE	9/SSW	9/S	10/SSE	19	33/SSE
09/21	12/SSE	30/SSE	7/WNW	21/S	9/SSE	6/ESE	11/S	31/N	32/NNE	26/NNE	6/SE	15/S	9/SW	10/WSW	8/SW	8/SE	14/NNW	12/NW	38/NNE	48/N	31/N	13/ENE	10/SE	13/SSE	18	48/N
09/22	29/SE	31/SSE	28/SE	26/SE	25/NNE	35/NNE	31/NNE	20/NNW	26/NNW	24/NNW	16/N	9/N	9/NW	15/NNW	22/NNW	13/NNW	8/NE	18/NNW	12/NE	35/NNE	28/NNE	27/NE	12/ENE	17/ESE	22	35/NNE
09/23	17/SE	18/SE	24/SE	21/SE	22/SE	18/SE	10/ESE	5/NE	26/N	20/N	19/NNE	18/NNE	10/NNW	10/SSE	*	16/NW	5/WNW	16/NE	16/ENE	22/NE	27/NNE	24/N	40/N	33/NNE	19	40/N
09/24	21/NNE	30/N	28/N	32/NNE	23/NNE	18/SSE	19/E	19/ESE	8/ESE	12/NNE	19/NNE	26/NE	20/ENE	7/SSE	13/SSE	19/S	20/S	14/SSW	8/ENE	11/NE	16/NNE	23/NNE	31/N	16/NNE	19	32/NNE
09/25	11/E	20/N	18/N	27/N	29/N	18/N	12/ESE	11/SE	11/ESE	11/ESE	15/NNE	6/W	19/SSW	16/SSW	23/SW	22/SSW	17/SSW	12/SW	18/SW	8/W	8/WNW	6/N	15/ENE	18/E	16	29/N
09/26	19/E	11/SSE	17/ESE	6/SE	14/E	27/SE	23/E	21/ESE	12/E	7/ESE	11/N	16/NNW	6/WSW	10/NW	9/WSW	15/W	13/WSW	16/WSW	17/WSW	19/W	8/W	12/WNW	15/NNE	28/NNE	15	28/NNE
09/27	22/N	17/N	15/NNW	12/N	29/NNE	47/N	36/NNW	54/N	36/NNE	8/S	19/SE	7/NNE	18/NNE	11/N	11/S	18/SW	7/WNW	9/NE	17/NNW	17/NNW	7/NNE	10/WNW	11/NNW	13/E	19	54/N
09/28	16/ENE	9/ESE	16/N	16/N	14/ENE	14/ESE	21/SE	7/SE	20/SE	29/NNE	21/NNW	32/N	30/N	28/NNE	15/NNE	15/NNE	14/NNE	10/N	11/NE	16/NE	11/ENE	18/ENE	26/NNE	20/NNE	18	32/N
09/29	8/WSW	25/NNW	15/NNW	15/N	8/NNW	7/NE	10/NE	12/N	27/NNE	37/N	19/NNW	22/NNW	35/N	19/NNE	9/NNW	13/NNE	11/NNE	12/N	19/NNE	17/N	24/N	22/NNE	18/N	17/N	18	37/N
09/30	13/N	13/NNE	18/N	19/NNE	24/NNE	10/NNW	17/N	8/ENE	19/SE	27/SE	21/SE	12/SSE	14/WNW	15/WSW	16/W	10/NW	13/NNW	10/N	4/NE	13/W	23/WSW	13/WNW	9/SSE	5/SSW	15	27/SE
平均值	20	22	19	18	18	17	18	17	18	20	21	22	24	20	20	17	14	16	16	18	15	15	18	20		
最大值	44/SSE	38/SE	35/SE	36/N	49/NNE	47/N	36/NNW	54/N	56/N	66/N	61/N	52/N	46/SSE	51/S	43/S	33/SW	36/N	42/NNE	44/N	51/N	43/NNW	32/N	40/N	35/SE		

[註 1]: 月平均流速= **18cm/s**, 最大流速= **66m/s**, 其流向爲 **N** (去向)。流速分佈: **<25cm/s: 77.7%,25~50cm/s: 21.3%,50~70cm/s: 1.0%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 31.8%,E~S: 26.7%,S~W: 22.9%,W~N: 18.5%**, 流向主軸: **N - S** (佔 **23.8%**), 主流向: **N** (佔 **15.2%**)。每小時記錄一次, 本月計 **719**筆 **(100%)**, 資料檔名:**C099SAX0.1HA**。

港灣技術研究中心

表3.7.11　2009 年 10 月蘇澳港測站 X 觀測逐時流速及流向月報表

2009年**10**月 **1**日 **0**時 **0**分 ～ **2009**年**10**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
10/01	6/NNW	16/SW	10/WNW	53/N	38/NNE	32/NNE	10/NNE	16/ENE	9/NNE	18/NNE	23/N	18/NNW	22/N	11/NW	12/WSW	9/NNW	36/N	23/N	16/NE	14/NE	5/W	11/W	6/SW	21/SE	18	53/N
10/02	14/SW	13/SW	21/SW	19/S	6/ESE	6/NNE	8/E	14/SSW	14/S	27/SSW	41/SSW	33/SSW	43/SSW	32/SSW	26/SSW	8/S	36/N	24/NNW	22/NNW	11/NNE	22/S	27/S	34/SSE	17/SE	22	43/SSW
10/03	13/SSE	23/SSW	32/SW	29/SW	25/SSW	6/S	6/S	9/SSE	15/SSW	23/SSW	27/SSE	18/SE	15/SSE	12/E	6/ENE	14/NNE	29/N	34/NNE	23/NNE	15/NNE	7/WSW	26/SSW	31/SSW	39/SSW	20	39/SSW
10/04	23/SSW	10/SSE	9/NE	5/SSW	6/ENE	36/NNE	26/N	14/N	6/ENE	19/ESE	20/SSE	20/SSW	36/SW	31/WSW	23/W	33/NW	25/N	29/N	30/N	36/NNW	13/NNE	15/W	28/WSW	22/WSW	22	37/NNW
10/05	57/SSW	57/SSW	44/SSW	36/SSW	17/SW	27/SW	16/WSW	11/NNW	7/NW	53/S	66/SSW	57/SSW	65/SSW	55/S	51/SSW	49/SSW	29/SSW	27/S	22/S	23/SSE	33/S	65/SSW	89/SSW	92/S	44	92/S
10/06	108/SSW	94/SSW	29/SSE	43/SSE	45/S	14/SW	5/NE	6/SE	11/SSE	31/S	39/S	61/S	76/S	98/SSW	99/SSW	61/SSW	32/S	21/SE	11/E	6/NNE	16/E	20/SSE	36/SE	36/SSE	42	108/SSW
10/07	51/SSE	57/S	76/SSW	30/SSE	32/E	23/E	16/ENE	22/NNE	9/NNE	14/NE	25/S	54/SSW	50/SSW	62/SSW	59/SSW	28/S	15/ESE	16/SE	2/ESE	10/NNE	12/ENE	12/SE	12/ESE	21/SE	30	76/SSW
10/08	47/SE	45/SE	52/SSE	46/S	32/SSE	14/SSE	17/E	16/SE	23/SSE	17/S	16/SSE	23/S	27/S	20/S	24/S	37/SSW	27/SW	11/WSW	8/SE	6/E	15/N	16/NNE	16/NNE	16/SSE	24	52/SSE
10/09	10/SSE	29/SE	43/E	46/ESE	40/E	33/ESE	23/SSE	12/SE	14/SW	16/SSE	7/SW	6/E	11/S	18/SSW	22/S	18/SSE	19/SW	9/NNW	8/SSW	5/S	12/SE	8/ESE	13/SSE	6/SE	18	46/ESE
10/10	6/NE	23/E	23/ESE	35/ESE	40/E	37/ESE	26/ESE	26/SE	25/SSE	20/SE	15/SSE	21/SSE	15/S	24/S	25/SSW	36/S	37/SW	32/SW	14/SW	22/WSW	13/SW	15/WSW	4/NW	6/NNE	23	40/E
10/11	25/NNW	40/NNW	26/NNW	15/WSW	17/SW	29/S	35/SW	36/SSW	52/SSW	40/SSW	48/SSW	38/SSW	38/SSW	33/SSW	36/SSW	32/SSW	40/SSW	33/SW	34/SSW	18/SW	9/SSW	13/SW	7/S	4/NW	29	52/SSW
10/12	7/NW	8/SSE	16/S	36/NE	15/E	24/ESE	26/ESE	30/ESE	25/SE	19/S	26/SSE	17/SW	7/WSW	17/WNW	36/W	50/WSW	46/SW	29/SSW	34/SW	31/SW	30/SW	15/WSW	13/S	6/N	23	50/WSW
10/13	8/SE	8/NNE	14/NE	28/N	20/NNW	21/NNW	12/SW	27/SW	20/SW	29/S	16/S	30/SSW	28/S	24/SSW	14/SSW	9/SSW	14/WSW	9/SE	15/S	31/SSW	20/SSW	16/S	12/E	16/ENE	18	31/SSW
10/14	20/NE	17/ENE	19/NE	28/N	30/NNE	8/ESE	11/E	31/SE	31/ESE	43/SE	34/SSE	35/SSE	31/S	*	*	*	*	*	*	*	*	*	*	*	26	43/SE
10/15	28/SSW	47/SSW	56/SSW	46/SSW	23/SSE	3/WNW	8/NNW	8/NNW	11/N	11/NE	*	14/N	12/ESE	24/ESE	28/ESE	32/SE	30/SE	26/SSE	15/SSW	6/WSW	10/WSW	7/SE	7/NE	16/NNE	20	56/SSW
10/16	13/ESE	22/ESE	29/SSE	23/SE	17/SSE	21/N	18/NNW	12/ESE	19/SE	37/ESE	28/SE	31/SE	26/SSE	13/SSE	9/WSW	8/W	10/N	16/NE	5/N	3/W	11/SE	18/SE	22/SSE	23/SSE	18	37/ESE
10/17	16/SSE	8/SE	10/S	4/NNW	6/N	26/N	23/NNW	6/NW	10/SSW	14/SSE	24/SSE	36/S	31/S	16/SSW	19/SW	9/NW	9/N	7/ENE	6/SE	8/S	12/SE	14/ESE	32/SE	46/SE	16	46/SE
10/18	34/SE	21/SSE	15/E	9/NE	11/N	10/ENE	6/ENE	9/SW	7/WSW	8/ENE	6/SE	16/S	9/SSE	5/W	13/NW	29/N	28/NNW	30/NNW	15/NE	4/SE	8/SSE	16/SE	29/SE	52/SE	16	52/SE
10/19	56/SE	43/SE	22/SE	13/E	24/NNE	19/NNE	31/NNE	16/NNE	4/N	10/WSW	9/WSW	7/SSW	15/WSW	3/SW	7/WNW	20/NW	18/NW	13/N	7/NW	7/SSW	15/WSW	10/S	17/ESE	43/SE	18	56/SE
10/20	53/SE	60/SE	35/SE	24/ESE	10/ENE	17/NNE	50/NNE	26/N	19/NW	11/NNE	17/E	16/ESE	28/ESE	26/ESE	13/SE	15/SSW	14/WSW	35/NNW	61/N	57/N	27/NNW	7/N	20/ESE	31/SE	28	61/N
10/21	55/SE	64/SSE	63/SSE	40/S	38/SSW	9/SE	22/NW	5/W	15/NE	14/NE	15/S	19/SSE	34/SSE	36/S	33/S	21/SSE	42/SSW	18/SW	15/WNW	20/N	17/NNW	23/N	9/ENE	23/ESE	27	64/SSE
10/22	35/SE	41/SE	43/ESE	29/ESE	19/E	16/ENE	35/NNE	24/N	12/N	10/NNW	10/SSE	19/S	20/SSE	16/SSE	9/SE	12/E	6/ENE	36/N	36/N	35/N	32/N	16/NNW	4/WSW	14/S	22	44/ESE
10/23	6/SSW	28/SSE	25/ESE	27/ENE	31/E	12/SSE	12/ENE	7/NE	20/SE	27/S	30/SSE	25/SSE	46/S	30/S	27/S	30/S	68/SSW	50/SSW	11/WNW	11/ENE	7/NE	5/E	9/SSE	16/SE	23	68/SSW
10/24	22/SE	43/SE	29/SE	16/E	15/E	44/SE	22/SE	24/SSE	18/SSE	21/S	28/S	47/SSW	47/SSW	44/SSW	40/S	35/SSW	32/S	28/S	14/SSW	7/SE	5/ESE	5/ENE	22/ENE	26/N	26	47/SSW
10/25	9/SE	19/SSE	17/SE	27/SE	32/SE	28/SE	39/SE	25/SE	24/SE	28/SSE	34/S	39/SSW	47/S	49/SSW	47/SSW	39/SSW	43/S	31/SSW	38/SSW	28/SSW	26/SSW	15/SSW	10/SSE	14/S	29	49/SSW
10/26	12/SSE	21/SSE	17/S	13/SE	28/SE	31/SSE	29/SE	40/SSE	33/SSE	28/S	32/S	24/S	19/SW	27/SSW	26/S	18/SSW	21/SSW	32/SSW	28/SSW	18/S	18/S	12/S	12/SW	6/E	23	40/SSE
10/27	5/ENE	10/S	7/SW	9/ENE	16/E	16/ESE	24/ESE	23/ESE	16/ESE	14/S	20/SW	17/S	16/SW	24/SW	24/SW	20/SSW	15/SSW	16/SW	13/SW	12/S	11/SSW	23/WSW	28/SW	11/SW	16	28/SW
10/28	6/N	32/N	33/N	20/N	18/N	4/S	13/SE	17/SE	18/SW	6/WSW	16/W	13/W	20/SW	21/WSW	14/WSW	15/W	17/W	17/W	15/W	17/WSW	19/W	6/W	9/WNW	3/N	15	33/N
10/29	6/ENE	6/WNW	4/NE	19/NE	21/N	9/NNE	5/SE	11/ESE	10/ENE	16/NW	13/WNW	10/WNW	10/W	11/W	20/SW	9/WSW	9/SW	15/WSW	16/W	20/W	15/WSW	7/WNW	9/W	17/WNW	12	21/N
10/30	14/WNW	21/NW	9/NNW	14/N	6/NNE	8/NNE	14/NW	10/NE	13/ESE	8/NE	4/WSW	7/W	9/SW	16/W	12/WNW	17/WNW	14/NNW	13/NNW	5/NNW	8/SSW	25/SW	29/SW	9/S	8/SE	12	29/SW
10/31	4/NW	9/N	10/NW	5/NNW	2/ENE	9/NNE	16/NNE	16/N	6/N	9/WSW	10/SSW	16/WSW	14/SW	13/WSW	7/WNW	8/NNW	16/NW	17/NNW	12/N	19/NNW	13/NNE	9/NW	16/SE	16/SE	11	19/NNW
平均值	25	30	27	25	22	19	20	18	17	21	23	25	28	27	26	24	26	23	18	17	16	16	19	22		
最大值	108/SSW	94/SSW	76/SSW	53/N	45/S	44/SE	50/NNE	40/SSE	52/SSW	53/S	66/SSW	61/S	76/S	98/SSW	99/SSW	61/SSW	68/SSW	50/SSW	61/N	57/N	33/S	65/SSW	89/SSW	92/S		

[註 1]: 月平均流速= **22cm/s**, 最大流速= **108m/s**, 其流向爲 **SSW**(去向)。流速分佈: **<25cm/s: 65.4%,25~50cm/s: 29.0%,50~70cm/s: 4.5%,75~100cm/s: 1.0%,>100cm/s: .1%**。

[註 2]: 流向分佈: **N~E: 18.0%,E~S: 32.0%,S~W: 36.3%,W~N: 13.7%**, 流向主軸:**SSW-NNE**(佔 **18.9%**), 主流向:**SSW**(佔 **13.8%**)。每小時記錄一次, 本月計 **732**筆 (**98%**), 資料檔名:**C09ASAX0.1HA**。

港灣技術研究中心

表3.7.12　2009 年 11 月 蘇澳港測站 X 觀測逐時流速及流向月報表

2009年**11**月 **1**日 **0**時 **0**分 ~ **2009**年**11**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
11/01	8/SSW	12/SSE	3/E	7/NE	15/NE	13/NNE	12/NNE	6/NW	5/WSW	20/SSE	30/S	27/SSW	32/SW	21/W	11/NW	17/E	32/NE	29/NE	18/NE	10/NNE	7/ESE	11/SSW	20/S	23/ESE	16	32/SW
11/02	24/SSE	21/SSE	26/S	12/SSW	9/SSW	3/SW	10/SSE	10/SSE	16/SSW	23/S	29/S	27/S	18/S	13/S	5/NW	11/N	14/N	22/N	15/S	25/S	24/S	23/SSE	41/SE	39/SE	19	41/SE
11/03	17/ESE	23/ESE	40/SE	31/SSE	19/S	14/S	4/E	13/SSE	27/SSW	12/SSW	20/SSE	25/S	22/S	12/SSW	12/SSE	11/S	15/SSW	8/SW	11/ENE	29/N	14/N	12/SW	26/ESE	26/NE	18	40/SE
11/04	35/SE	40/SSE	50/SSE	35/ESE	11/WNW	16/N	22/N	6/W	12/N	13/WNW	10/W	6/SSE	9/WNW	6/WNW	10/WNW	15/W	12/WSW	8/SW	25/NNE	23/N	37/NNW	23/NNE	8/NE	32/SE	19	50/SSE
11/05	33/SE	48/SSE	60/S	36/SE	28/SE	11/SE	6/E	9/NNE	8/N	8/WNW	11/WNW	11/WNW	26/SW	10/WNW	9/NW	14/WNW	12/WNW	2/NW	6/SE	27/NE	57/N	40/N	17/NNW	15/NNE	21	60/S
11/06	7/NE	5/ESE	29/N	13/ENE	21/E	11/ESE	6/ESE	5/ENE	16/NNE	11/NW	12/WNW	14/W	17/WSW	10/WNW	12/WSW	13/W	17/WNW	17/WNW	12/NW	12/NNE	9/N	19/NNE	23/N	15/NNE	14	29/N
11/07	19/N	25/NNW	27/SE	10/W	14/ESE	14/E	14/ESE	12/E	8/WNW	19/NNW	13/NNW	11/NW	8/NNW	11/WSW	24/WSW	25/W	19/W	20/W	16/WNW	5/NW	5/N	12/N	17/NNE	33/N	16	33/N
11/08	28/N	43/N	32/N	19/NNE	18/NE	23/NNE	25/N	10/NNE	6/NE	16/NNE	13/NE	16/NNE	13/NNW	9/W	25/SW	19/SW	22/WSW	31/W	20/WSW	14/NW	5/N	19/ENE	12/NE	21/NNW	19	43/N
11/09	27/N	26/N	20/N	8/E	14/NNE	13/ENE	26/ESE	20/ESE	13/ENE	4/N	17/N	13/N	16/N	38/N	29/N	20/N	18/N	10/NNW	7/N	11/NW	11/NNW	13/N	19/NNE	30/N	18	39/N
11/10	19/N	9/NNW	11/NE	2/S	6/NE	8/NE	16/E	18/E	17/ESE	7/N	8/N	6/WNW	7/NNW	6/W	5/WNW	10/WSW	5/WSW	5/W	5/N	4/E	7/E	7/ENE	6/ENE	9/NE	9	19/N
11/11	13/NNE	9/NNE	16/N	6/NNW	10/SW	20/SSE	7/S	12/S	18/S	24/S	10/SSW	8/SSW	6/SSW	9/E	9/E	13/E	13/ENE	10/ENE	16/E	15/E	10/ESE	9/ENE	11/SE	7/E	12	24/S
11/12	8/ESE	9/NE	8/ENE	12/N	4/NNW	6/SSE	11/SSE	17/SSE	14/SSE	9/SSE	9/SSE	5/SSE	5/SW	5/W	8/NW	23/N	20/N	8/ENE	14/S	17/SSW	7/SSE	16/NW	14/NW	13/NNW	11	23/N
11/13	7/NW	12/NNW	29/N	35/N	25/N	6/NW	20/SSW	19/S	22/S	16/SW	15/S	7/E	11/ENE	17/N	8/WNW	29/SSW	22/SSW	21/SW	17/S	13/S	29/S	29/SSE	30/SSE	22/SE	19	35/N
11/14	20/S	26/SSW	15/S	12/SSW	9/S	11/SW	20/SSW	12/SSW	30/SSW	17/S	23/S	17/SSE	16/SSE	11/S	6/SE	4/E	4/W	10/SSW	10/S	14/S	17/S	23/SE	30/SSE	21/ESE	16	30/SSE
11/15	16/ESE	15/SE	7/ESE	5/W	7/NNW	13/NNE	3/NNW	5/NW	9/NNW	5/SE	6/SW	15/SSW	8/W	7/N	6/WNW	10/NNW	20/N	22/N	5/ENE	9/S	8/ENE	12/E	26/ESE	18/E	11	26/ESE
11/16	34/NNE	24/N	18/N	6/NE	4/SSW	7/S	3/SW	10/W	5/WSW	13/WSW	18/SW	18/W	25/NW	19/WNW	19/NW	18/NNW	14/N	18/NNE	12/NNE	10/NW	15/SW	24/S	29/S	44/S	17	44/S
11/17	33/S	17/SSE	5/N	7/NW	5/NNE	8/SSW	7/WSW	16/S	28/SSW	24/S	20/S	18/SE	19/SE	14/S	26/SSW	22/SSW	14/S	15/S	18/SSE	15/SSE	14/SSE	16/SSE	21/SE	29/SE	17	33/S
11/18	38/SSE	38/ESE	28/ESE	28/SE	20/SE	19/S	12/S	10/SSW	18/SSW	16/SSW	20/SSW	22/S	25/S	18/SSE	20/S	12/SSE	6/SE	6/NNW	4/ESE	8/WSW	5/SW	9/SSW	13/SE	29/ESE	18	38/ESE
11/19	35/ESE	43/SE	38/E	31/SE	19/SE	17/SE	13/ESE	12/SE	16/SE	15/SSE	26/S	34/SSW	29/SSW	29/SSW	20/SSW	14/S	7/SW	5/NNW	18/N	17/NNW	17/N	11/SSE	14/SE	24/ESE	21	43/SE
11/20	38/ESE	50/ESE	33/SE	49/ESE	33/SE	24/SSE	13/SSE	10/SE	6/E	12/SSW	9/SSW	32/SSW	21/SSW	24/SSW	20/S	11/S	9/NE	34/N	25/NNW	15/NNW	9/SE	8/SE	9/SSE	15/SE	21	50/ESE
11/21	22/ESE	28/SE	32/ESE	35/SE	27/ESE	28/ESE	22/ESE	13/SSE	12/S	18/S	12/SSW	15/S	16/S	3/W	12/ESE	10/SE	8/SE	4/N	14/NNW	14/WNW	17/NE	20/N	13/N	4/ESE	17	35/SE
11/22	13/SE	33/ESE	32/SE	35/SE	40/ESE	27/ESE	21/SE	19/SE	9/ESE	10/ESE	9/SE	14/S	19/SSW	30/SSW	32/S	23/SSW	28/SSW	21/SSW	34/SSW	21/SSW	22/SSW	11/SSE	26/N	8/NNE	22	40/ESE
11/23	6/E	14/ESE	21/ESE	35/SSE	30/ESE	21/ESE	27/SE	22/SSE	22/SSE	10/S	15/SSW	19/SSW	13/SW	13/SW	10/SSE	9/SE	9/SE	4/SSE	7/SSE	4/SE	2/NNW	7/W	19/NNE	19/N	15	35/SSE
11/24	13/NNW	4/NW	8/SE	12/SSE	15/ESE	18/ESE	21/SE	12/SE	6/SSW	4/SE	7/SSW	11/SW	19/SSW	24/SSW	21/SSW	37/SSW	26/SW	25/SSW	28/SW	23/SW	11/SSW	7/S	8/E	4/NNW	15	37/SSW
11/25	4/ESE	11/E	17/ESE	15/ESE	18/E	14/SE	21/ESE	18/ESE	7/E	10/SSE	8/SW	12/S	7/S	4/NW	7/E	16/WSW	28/SW	34/SW	31/WSW	23/SSW	19/SSW	21/SW	14/SW	13/S	16	34/SW
11/26	14/SW	8/WSW	16/N	32/N	34/NNW	15/NW	11/WSW	17/SW	23/SSW	19/SW	13/SW	19/SW	22/SW	13/SSW	14/SW	19/SW	17/WSW	9/WSW	13/S	21/SSW	28/SSW	13/S	9/SSE	8/SE	17	34/NNW
11/27	11/SSE	11/SE	7/N	18/N	14/N	15/ESE	19/SE	21/SSE	30/SE	16/SSE	17/S	10/SSW	7/W	12/W	5/WSW	5/NW	16/NW	10/WSW	24/SSW	35/S	40/SSW	48/SSW	41/SSW	30/SSW	19	48/SSW
11/28	25/SSW	17/S	6/SE	13/ESE	18/ESE	10/ENE	6/ESE	19/SE	33/S	33/SSW	28/SSW	27/SW	20/SW	21/SW	18/WSW	14/SW	13/SW	13/SSW	19/S	25/SE	26/SSE	27/SSE	31/SE	24/SE	20	33/S
11/29	21/SE	11/E	2/ENE	5/WNW	3/SSE	11/SSE	19/SSW	15/SSE	18/SSE	19/SSE	31/SSE	17/S	14/SW	13/W	15/WNW	6/WSW	6/SW	12/SW	12/SW	11/S	24/SSE	40/SE	30/SE	36/E	16	40/SE
11/30	34/SE	24/ESE	12/NNE	7/WNW	4/E	8/E	10/SSW	21/SSW	15/SSE	18/SSE	29/S	22/SSW	14/SW	17/WNW	22/W	19/WNW	8/WSW	14/WSW	16/SSW	18/S	21/SSE	31/SE	34/SSE	44/SE	19	44/SE
平均值	21	22	22	19	17	14	14	14	16	15	16	17	16	15	15	16	15	15	16	16	17	19	20	22		
最大值	38/SSE	50/ESE	60/S	49/ESE	40/ESE	28/ESE	27/SE	22/SSE	33/S	33/SSW	31/SSE	34/SSW	32/SW	39/N	32/S	37/SSW	32/NE	34/N	34/SSW	35/S	57/N	48/SSW	41/SSW	44/SE		

[註 1]: 月平均流速= **17cm/s**, 最大流速= **60m/s**, 其流向爲 **S** (去向)。流速分佈: **<25cm/s: 80.6%,25~50cm/s: 18.9%,50~70cm/s: .6%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 15.7%,E~S: 36.3%,S~W: 28.6%,W~N: 19.4%**, 流向主軸:**SSW-NNE**(佔 **21.0%**), 主流向:**SSW**(佔 **11.5%**)。每小時記錄一次, 本月計 **720**筆 **(100%)**, 資料檔名:**C09BSAX0.1HA**。

3.8　2009年布袋港逐時流速及流向月報表

表3.8.1　2009 年 02 月 布袋港測站 X 觀測逐時流速及流向月報表

2009年 **2**月**26**日**10**時 **0**分 ~ **2009**年 **2**月**28**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
02/26	*	*	*	*	*	*	*	*	*	*	11/WSW	8/ENE	22/S	36/SSW	36/SSW	36/SSW	23/SSW	12/SSW	14/NE	18/NNE	33/NNE	32/NE	30/NE	10/ENE	23	36/SSW
02/27	17/S	29/SSW	36/SSW	41/SW	23/SW	16/N	18/NNE	30/NNE	29/NNE	35/NNE	27/NE	11/ENE	21/N	37/SSW	40/SSW	36/SSW	24/SSW	13/SSW	7/NNE	22/NNE	28/NNE	34/NNE	32/NNE	21/NE	26	41/SW
02/28	10/S	25/SSW	33/S	32/SSW	33/SW	14/SW	13/N	23/NNE	26/NNE	31/NNE	35/NNE	18/NE	13/ESE	25/SSW	31/S	38/SSW	30/SSW	19/SSW	10/WSW	17/NNE	30/NNE	29/NNE	29/NNE	28/NE	25	38/SSW
平均值	14	27	34	37	28	15	16	26	27	33	24	12	19	33	36	37	26	14	10	19	30	32	30	20		
最大值	17/S	29/SSW	36/SSW	41/SW	33/SW	16/N	18/NNE	30/NNE	29/NNE	35/NNE	35/NNE	18/NE	22/S	37/SSW	40/SSW	38/SSW	30/SSW	19/SSW	14/NE	22/NNE	33/NNE	34/NNE	32/NNE	28/NE		

[註 **1**]: 月平均流速= **25cm/s**, 最大流速= **41m/s**, 其流向爲 **SW**(去向)。流速分佈: <**25cm/s: 45.2%**,**25**~**50cm/s: 54.8%**,**50**~**70cm/s: .0%**,**75**~**100cm/s: .0%**,>**100cm/s: .0%**。

[註 **2**]: 流向分佈: **N**~**E: 50.0%**,**E**~**S: 4.8%**,**S**~**W: 43.5%**,**W**~**N: 1.6%**, 流向主軸:**NNE-SSW**(佔 **59.7%**), 主流向:**NNE**(佔 **30.6%**)。每小時記錄一次, 本月計 **62**筆 (**9%**), 資料檔名:**C092PTX0.1HA**。

表3.8.2　2009 年 03 月 布袋港測站 X 觀測逐時流速及流向月報表

2009年 **3**月 **1**日 **0**時 **0**分 ～ **2009**年 **3**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
03/01	13/ENE	13/S	28/S	36/SSW	32/SSW	17/SSW	6/W	15/NNE	27/NNE	27/NNE	32/NNE	31/NNE	16/ENE	16/SSE	30/SSW	33/SSW	34/SSW	23/SSW	6/WSW	4/N	17/NNE	24/NNE	28/NNE	28/N	22	36/SSW
03/02	19/NE	7/ESE	18/SSW	34/SSW	33/SW	17/SSW	11/WSW	7/NNW	16/N	29/NNE	30/NNE	33/NNE	21/NNE	6/NE	14/SSE	33/SSW	37/SSW	39/SSW	21/SSW	9/SSW	11/NNE	19/NNE	27/NNE	28/NNE	22	39/SSW
03/03	26/NNE	14/NE	6/S	26/SSW	34/SSW	33/SSW	19/SSW	10/SW	6/NW	21/NNE	25/NNE	27/NNE	34/NE	15/NE	9/SSE	24/SSW	30/SSW	30/SSW	28/SSW	17/SW	10/W	15/NNE	10/N	25/NE	21	34/NE
03/04	30/NNE	28/NE	13/ENE	7/SSW	23/S	27/SSW	30/SSW	21/SSW	11/S	3/SSE	15/N	16/NE	24/NNE	20/NE	11/ENE	6/SE	24/SSW	29/SSW	37/SSW	28/SSW	26/SSW	13/WSW	6/NW	17/N	19	37/SSW
03/05	17/NNE	27/NNE	26/NNE	19/NE	7/N	16/SW	18/S	22/SSW	20/SW	17/SSW	5/SW	8/ENE	11/ENE	16/NNE	20/NE	16/ENE	2/N	12/S	23/SSW	30/SSW	39/SSW	23/SW	11/WNW	9/WSW	17	39/SSW
03/06	19/NNW	18/NNE	28/NNE	22/NNE	24/NE	4/E	12/S	22/S	12/SSW	22/SSW	7/N	7/WSW	9/N	20/NNE	18/NE	12/NE	13/N	6/SW	19/S	19/S	58/SSW	7/S	9/SSW	3/W	16	58/SSW
03/07	8/NE	10/N	28/NNE	31/NE	33/NNE	8/NE	15/NE	19/S	20/S	28/SSW	26/SW	18/SSW	10/SW	8/N	9/N	14/N	24/NE	21/NNE	13/NNE	14/S	25/S	25/SSW	26/SSW	27/SSW	19	33/NNE
03/08	24/SSW	12/WSW	10/NNE	13/NNE	28/NE	26/NE	23/NE	15/NE	9/E	22/SSW	27/SSW	28/SSW	28/SSW	18/SSW	5/SE	16/NNE	21/NE	21/NNE	22/NNE	19/NNE	3/NE	19/SSW	28/SSW	42/SW	20	42/SW
03/09	27/SW	24/SW	8/SW	19/NW	22/NNE	35/NNE	35/NNE	35/NNE	14/NE	10/SE	24/N	33/SSW	36/SSW	31/SSW	18/SSW	2/N	20/NNE	30/NNE	30/NE	29/NE	19/NE	7/N	20/SSW	36/SSW	24	36/SSW
03/10	34/SSW	39/N	19/WSW	15/WNW	24/N	33/NNE	37/NNE	45/NNE	35/NE	19/NE	8/SE	19/SSW	38/SSW	32/SSW	31/SSW	14/SSW	12/WNW	18/NNE	31/NNE	35/NNE	25/NNE	18/N	3/ESE	24/S	25	45/NNE
03/11	32/SSW	38/SSW	34/SSW	20/SW	16/WNW	25/N	24/N	37/NNE	34/NNE	30/NNE	11/NNE	20/SSW	36/S	41/SSW	42/SSW	23/SSW	4/SSE	12/N	25/NNE	35/NE	34/NNE	25/NE	14/ENE	11/S	26	42/SSW
03/12	30/SSW	38/SSW	34/SW	35/SW	11/W	20/NNW	10/NNE	36/NNE	35/NNE	35/NE	20/NNE	11/E	21/S	20/S	37/SSW	34/SSW	21/SSW	10/NW	14/N	25/NNE	28/N	39/NNE	20/N	11/NE	25	39/NNE
03/13	14/SSW	25/SSW	35/SSW	34/SSW	21/SW	25/WSW	18/WNW	16/N	22/NNE	37/NNE	28/NE	10/NNE	9/SSE	16/SSW	28/S	36/SSW	29/SW	22/SW	15/NNW	20/NNE	23/NNE	33/NE	23/NE	8/ESE	23	37/NNE
03/14	14/SSE	23/S	34/S	21/SSW	14/SW	3/SSW	8/NE	11/NE	19/NE	18/NE	16/ENE	16/NE	12/SSE	32/S	31/SSW	18/SSW	8/SW	13/NW	22/NNE	33/NNE	31/NNE	35/NE	29/NNE	24/NNE	20	35/NE
03/15	16/NE	18/S	28/SSW	37/SSW	31/SSW	17/SW	7/WSW	16/N	24/NNE	16/NNE	34/NNE	33/NE	24/NE	12/ESE	32/S	36/S	41/SSW	32/SSW	14/N	12/NNW	23/NE	32/NNE	37/NNE	32/NNE	25	41/SSW
03/16	16/NNE	2/N	14/SW	15/SW	24/SSW	20/SW	14/SW	4/SW	11/NNE	20/NNW	21/NNE	34/NNE	21/NE	13/ENE	18/SSW	29/SSW	37/SSW	29/SSW	25/SW	16/SSW	10/NNW	15/WNW	22/NNE	33/ENE	19	37/SSW
03/17	24/NNE	21/NE	7/ENE	14/S	17/SSW	25/SSW	23/SSW	38/WSW	2/N	19/W	8/N	19/NNE	21/NE	15/NNE	8/NE	6/ESE	21/S	18/SSW	26/SW	11/SW	21/W	6/NNW	19/NNE	34/NNE	18	38/WSW
03/18	29/NNE	32/NE	19/NNE	3/SSE	6/SSW	14/SW	17/SW	10/SSW	17/WSW	26/WSW	8/N	12/NNW	22/NNE	30/NE	22/NE	13/E	13/S	23/SSW	21/SSW	24/SW	11/WSW	17/WNW	13/N	21/NE	18	32/NE
03/19	34/NNE	38/NE	35/NE	22/NE	8/NNE	3/N	10/SW	19/SSW	13/SSW	14/SSW	6/SSE	6/NE	12/N	23/NNE	37/NE	23/NE	5/NNE	7/SSE	18/SSW	20/SW	19/SSW	16/SW	16/W	8/N	17	38/NE
03/20	9/N	22/NNE	20/NE	23/NE	22/NE	19/ENE	13/WSW	16/SW	17/SSW	10/SSW	2/SSW	4/SSE	6/SSE	5/SE	10/ENE	10/ENE	6/ENE	5/SW	13/SSW	24/SSW	32/SW	29/SW	18/SSW	24/SW	15	32/SW
03/21	17/WSW	10/WNW	11/N	20/NNE	15/N	20/NNE	13/NNE	1/N	4/WSW	12/SSW	18/SSW	17/SSW	10/S	9/SSE	3/NW	10/NNE	20/NNE	22/NE	16/NE	3/NE	2/WSW	11/SSW	14/SW	18/SW	12	22/NE
03/22	3/SSW	18/NNE	15/NNE	36/NNE	41/N	28/NNE	27/NNE	11/N	4/WSW	8/SSW	12/SSW	23/SW	19/SSW	9/SSW	11/ESE	16/ENE	12/NNE	27/NNE	17/NE	19/NE	10/NE	7/SW	14/SW	18/N	17	41/N
03/23	26/SW	17/WSW	13/WNW	16/NW	26/NNE	29/NNE	33/NNE	27/NNE	13/NNE	5/ESE	22/SSW	31/SSW	36/SSW	34/SSW	19/SSW	3/S	8/ENE	16/NNE	24/NNE	15/NNE	10/NNE	7/S	21/SSW	36/SSW	20	36/SSW
03/24	39/SW	33/SW	13/SW	3/NNW	13/NNE	18/NNE	26/NNE	28/NNE	24/NE	5/E	12/S	21/S	33/SSW	30/SSW	27/SW	7/WSW	6/NNE	20/NNE	23/NNE	28/NE	13/NE	4/NNE	17/S	34/SSW	20	39/SW
03/25	33/SSW	32/SSW	24/SSW	4/WSW	6/NNE	21/NE	27/NNE	26/NNE	23/NE	17/ENE	10/SSE	29/SSW	29/S	34/S	15/SSW	12/SW	10/NNE	29/NNE	35/NNE	34/NNE	24/NNE	16/NE	4/ESE	20/N	21	35/NNE
03/26	33/SW	34/SSW	23/SSW	10/WSW	4/NNW	18/NNE	28/NNE	33/NNE	35/NNE	24/NE	4/E	17/S	31/S	38/SSW	33/SSW	17/SSW	8/SW	10/N	24/NNE	27/NNE	35/NNE	17/NE	13/ENE	17/S	22	38/SSW
03/27	26/S	31/SSW	31/SSW	24/SW	17/WSW	11/NNW	25/NNE	20/N	33/NNE	12/N	11/NE	6/SSE	29/S	34/SSW	35/SSW	31/SSW	12/SW	1/ENE	16/NNE	27/NNE	22/NNE	17/NNE	20/NE	13/WSW	21	35/SSW
03/28	24/SSW	23/SSW	32/SSW	26/SW	17/SW	9/W	11/NE	25/NNE	27/NNE	33/NNE	19/NE	13/SE	29/S	35/SSW	39/SSW	31/SSW	17/SSW	5/WNW	16/NNE	21/NNE	30/NNE	28/NNE	29/NE	13/ENE	23	39/SSW
03/29	18/SSE	30/S	34/SSW	24/SSW	17/N	7/WSW	20/N	31/NNE	21/NNE	36/NE	26/NE	16/NE	15/SSE	33/SSW	41/SSW	42/SSW	16/SW	15/SW	12/NNE	24/NE	21/NE	30/NE	23/NE	24/ENE	24	42/SSW
03/30	16/SE	30/S	37/S	31/SSW	26/SSW	5/S	4/NE	25/NE	23/NNE	25/NNE	23/NE	15/ENE	13/SE	26/S	40/SSW	37/SSW	31/N	18/SSW	2/S	13/NNE	25/NNE	26/NNE	37/NE	29/NE	23	40/SSW
03/31	15/ENE	11/SE	26/SSW	32/SSW	34/SSW	23/SSW	6/SSE	11/NE	21/NE	21/NE	23/NE	18/NNE	14/ENE	12/SE	33/SSW	33/S	31/SSW	20/SSW	11/SW	5/NE	15/NE	20/NE	23/NE	28/NE	20	34/SSW
平均值	22	23	23	22	21	19	18	21	19	20	17	19	22	22	23	20	19	19	20	21	22	19	19	22		
最大值	39/SW	39/N	37/S	37/SSW	41/N	35/NNE	37/NNE	45/NNE	35/NE	37/NNE	34/NNE	34/NNE	38/SSW	41/SSW	42/SSW	42/SSW	41/SSW	39/SSW	37/SSW	35/NE	58/SSW	39/NNE	37/NNE	42/SW		

[註 1]: 月平均流速= **20cm/s**, 最大流速= **58m/s**, 其流向爲 **SSW**(去向)。流速分佈: **<25cm/s: 67.1%,25~50cm/s: 32.8%,50~70cm/s: .1%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 45.4%,E~S: 6.6%,S~W: 41.5%,W~N: 6.5%**, 流向主軸:**SSW-NNE**(佔 **46.0%**), 主流向:**SSW**(佔 **23.7%**)。每小時記錄一次, 本月計 **744**筆 **(100%)**, 資料檔名:**C093PTX0.1HA**。

港灣技術研究中心

表3.8.3　2009 年 04 月 布袋港測站 X 觀測逐時流速及流向月報表

2009年 **4**月 **1**日 **0**時 **0**分 ~ **2009**年 **4**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
04/01	26/NE	14/ENE	15/SSE	20/S	28/SSW	29/SSW	11/SSW	6/N	10/NNE	23/NNE	21/NNE	29/NNE	23/NE	19/NE	11/S	22/SSW	24/SSW	27/S	23/SSW	12/SW	8/NNE	15/NNE	24/NNE	33/NNE	20	33/NNE
04/02	32/NE	28/NE	12/NE	10/S	15/S	24/N	20/SSW	11/SSW	5/E	9/ENE	13/NNE	21/NNE	28/NE	21/NE	13/ENE	12/SSE	24/S	23/SSW	24/SSW	18/SSW	13/WSW	9/N	15/NNE	16/NNE	17	32/NE
04/03	23/NNE	27/NNE	30/NE	12/WSW	11/S	14/SSW	20/SSW	24/SSW	19/SSW	14/SSW	8/S	11/ESE	11/NE	24/NE	16/NE	12/ENE	7/N	17/SSW	21/SSW	23/SSW	26/SSW	19/SW	33/WSW	14/WSW	18	33/WSW
04/04	5/WNW	11/N	14/NW	13/NE	6/SE	7/SSE	15/S	21/SSW	24/SSW	15/S	15/SSW	5/SSE	16/E	6/NE	14/NE	12/ENE	14/ENE	14/NE	5/E	11/S	17/SSW	16/SSW	12/SSW	5/SW	12	24/SSW
04/05	7/N	7/NNE	6/NE	30/NNE	11/N	3/WSW	4/N	10/SSE	20/S	24/SSW	33/SSW	22/SSW	17/S	3/E	9/NNE	11/NE	17/NE	16/NE	9/NE	6/SE	21/S	32/SSW	36/SSW	29/SSW	16	36/SSW
04/06	15/SSW	5/ENE	10/NE	9/N	27/NE	25/NE	28/NE	5/ENE	13/SSE	30/S	36/S	31/S	20/SSW	8/SSE	13/NE	12/ENE	28/NE	32/NE	27/NE	18/NE	7/ESE	14/S	29/SSW	25/SSW	19	36/S
04/07	27/S	19/SW	21/WSW	11/WSW	15/NE	13/NNE	30/NNE	9/NW	18/NE	6/ESE	22/S	24/S	33/SSW	24/SSW	18/SSW	8/S	15/NE	11/N	30/NE	11/NE	18/ENE	10/SW	21/S	25/SSW	18	33/SSW
04/08	36/SSW	28/SSW	14/SSW	13/SW	7/NE	18/NNE	22/NNE	31/NE	16/NE	12/E	23/SSE	30/S	38/S	34/S	20/SSW	2/WSW	11/NE	21/NE	33/NE	31/NE	23/NE	17/ENE	12/SE	28/S	22	38/S
04/09	31/SSW	33/SSW	23/SSW	10/SW	3/ENE	14/NNE	24/NNE	31/NNE	34/NE	18/NE	15/E	27/S	26/SSW	36/SSW	31/SSW	13/SSW	9/ENE	13/NNE	28/NNE	36/NNE	33/NE	20/NNE	21/ENE	18/SSE	23	36/SSW
04/10	26/S	38/SW	28/SW	16/SSW	10/SSW	11/NE	10/W	17/N	10/WNW	12/ENE	20/ENE	20/ESE	23/S	35/SSW	40/SSW	26/SSW	13/SSW	6/ENE	8/NE	21/NE	22/NE	29/NNE	12/ENE	9/E	19	40/SSW
04/11	23/S	24/SSW	37/SSW	24/SSW	12/SSW	6/SW	16/NE	6/NNW	21/NNE	3/NE	11/ENE	10/ESE	20/S	32/S	35/SSW	35/SSW	18/SSW	6/SSE	3/N	16/ENE	24/NE	9/NNE	4/ESE	2/NE	17	37/SSW
04/12	10/ESE	18/S	18/SSW	25/S	15/SSW	6/S	1/NNE	13/W	10/W	6/SW	15/ENE	10/ENE	13/SE	24/S	26/S	27/SSW	20/SSW	16/SSW	6/S	15/NE	2/NW	26/NE	13/NE	8/NW	14	27/SSW
04/13	3/ESE	9/SE	8/SSE	10/WSW	18/SSW	5/SSW	10/S	13/SE	2/SW	23/NE	17/NE	12/NE	8/NE	10/SSE	37/SSW	30/S	31/SSW	29/SW	16/SW	10/NNW	3/E	14/NE	11/ENE	15/NE	14	37/SSW
04/14	29/E	11/SE	13/S	18/SSE	19/W	25/WSW	28/W	19/W	2/E	4/N	22/ESE	6/ENE	11/ENE	11/E	16/SSE	27/S	37/SSW	22/SW	16/SSW	8/W	12/NNE	6/WSW	23/N	2/WSW	16	37/SSW
04/15	17/NE	7/SSW	11/S	17/SW	27/SW	24/SSW	20/SSW	23/WSW	11/WSW	8/SSW	13/NNE	26/E	20/ENE	23/ENE	7/E	17/SSE	27/S	27/SSW	16/SSW	6/SW	6/SW	7/NE	15/ENE	31/NE	17	31/NE
04/16	13/NW	17/NE	17/W	21/W	4/N	7/SSW	18/S	16/WSW	10/WNW	15/NNE	11/NE	32/NNE	21/ENE	18/ENE	14/ENE	6/SSE	17/SSW	29/SSW	32/WSW	22/SW	20/WSW	17/N	4/N	12/N	16	32/WSW
04/17	23/NE	20/NNE	17/NNE	4/SSE	19/SSW	27/SSW	24/SSW	33/SW	21/SSW	13/SSW	5/SSE	5/ENE	8/ENE	7/ENE	8/ENE	12/SE	18/SSW	22/S	22/SSW	24/N	20/SSW	16/SSW	20/WSW	16/WNW	17	33/SW
04/18	21/NNE	25/NNE	22/NE	23/NNE	17/NE	2/NNE	13/SE	14/S	14/SW	10/SSW	14/SSE	13/SSE	4/ESE	13/ENE	15/ENE	11/ENE	6/ESE	13/SSE	23/S	26/SSW	23/SSW	22/SW	20/SSW	14/SW	16	26/SSW
04/19	13/WSW	10/NNE	11/NE	19/NNE	21/NNE	10/SSE	4/S	14/WSW	6/SW	19/SSW	23/WSW	23/W	2/SW	4/NNE	10/NNE	28/NE	28/NNE	29/NE	21/NNE	8/N	13/SW	13/SW	13/SW	21/WNW	15	29/NE
04/20	5/NNW	48/NNE	39/NNE	38/NNE	25/N	20/N	16/N	10/NNW	8/WSW	18/SW	14/SW	13/SW	3/S	9/NNE	33/NNE	34/NNE	33/NNE	24/NNE	13/NNE	15/NNE	8/SSW	18/SW	12/SSW	25/SSW	20	48/NNE
04/21	2/ESE	5/NE	10/NE	17/NE	31/NNE	17/NNE	19/NE	7/SSE	6/SW	10/S	21/SSW	33/SSW	29/SSW	21/SSW	10/WSW	0/N	17/ENE	17/NE	28/NNE	6/NE	3/ESE	18/SSW	28/S	36/SSW	16	36/SSW
04/22	34/SW	20/SW	15/SW	6/WSW	14/N	8/NNE	27/NE	4/NNW	2/N	6/S	7/SSW	31/SSW	17/SW	18/SSW	9/SW	7/W	24/NNE	19/NE	22/NNE	3/NW	5/E	16/S	28/SSW	29/SSW	16	34/SW
04/23	27/N	26/SSW	12/SSW	6/SE	15/NE	5/S	16/NNE	3/WSW	9/NE	5/ESE	20/S	30/SSW	35/SSW	34/SSW	30/SSW	7/SW	8/NE	19/NE	22/NNE	34/NNE	18/NE	13/ESE	19/S	27/SSW	18	35/SSW
04/24	38/SSW	39/SW	19/SW	16/SW	5/NNW	10/NNE	16/N	17/NE	14/NE	15/NE	14/SSE	17/SSW	43/SSW	38/SSW	23/SSW	23/SSW	10/SSE	11/ENE	27/NNE	49/NE	24/NE	17/NNE	9/SE	22/SSW	22	49/NE
04/25	18/SW	18/WSW	13/WSW	14/SW	9/NW	5/N	14/NNE	40/NNE	32/NE	25/NE	15/SE	31/SSW	46/SSW	43/SSW	36/SSW	21/SSW	6/NE	14/NNE	28/NNE	38/NNE	36/NNE	30/NNE	18/NE	18/SSW	24	46/SSW
04/26	22/SSW	24/SSW	37/SSW	22/SW	3/SSE	14/NNE	27/NNE	21/NE	30/NE	16/NE	17/ENE	17/S	31/SSW	28/SSW	42/SSW	32/SW	8/W	15/NNE	25/NNE	33/NE	41/NNE	37/NNE	21/NNE	12/NNE	24	42/SSW
04/27	10/SSW	19/SSW	29/SW	26/SW	15/SSW	7/WNW	6/NE	20/NNE	35/NNE	28/NNE	29/NE	8/NE	17/SSW	24/SSW	33/SSW	38/SSW	23/SSW	2/N	18/NNE	33/NNE	34/NNE	30/NE	32/NE	15/NE	22	38/SSW
04/28	8/SE	22/S	24/SSW	30/SSW	16/SSW	9/S	9/N	20/NE	26/NNE	18/NE	24/NE	6/NE	6/ESE	7/WSW	17/SSW	35/SSW	33/SW	21/SSW	6/SW	13/NNE	24/NNE	20/NE	27/NNE	27/NE	19	35/SSW
04/29	9/ENE	6/S	19/SSW	19/SW	34/SSW	19/WSW	21/WNW	19/NNW	18/N	24/NNE	35/NNE	26/NE	6/E	7/SE	12/N	31/SSW	38/SSW	29/SSW	19/SSW	10/SW	11/NNE	15/NE	37/NE	23/N	20	38/SSW
04/30	33/NNE	16/N	4/SW	19/SSW	18/WSW	21/W	12/SW	17/NW	17/NNW	17/N	30/NNE	18/NNE	28/NE	12/NE	8/N	18/S	31/S	38/SSW	28/SSW	28/S	5/WNW	18/NNE	7/NNE	23/NE	19	38/SSW
平均值	20	20	18	17	16	14	17	16	15	15	19	20	20	20	20	19	20	19	20	19	17	18	19	19		
最大值	38/SSW	48/NNE	39/NNE	38/NNE	34/SSW	29/SSW	30/NNE	40/NNE	35/NNE	30/S	36/S	33/SSW	46/SSW	43/SSW	42/SSW	38/SSW	38/SSW	38/SSW	33/NE	49/NE	41/NNE	37/NNE	37/NE	36/SSW		

[註 1]: 月平均流速= **18cm/s**, 最大流速= **49m/s**, 其流向爲 **NE**(去向)。流速分佈: **<25cm/s: 76.3%,25~50cm/s: 23.8%,50~70cm/s: .0%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 41.9%,E~S: 11.4%,S~W: 41.7%,W~N: 5.0%**, 流向主軸:**SSW-NNE**(佔 **36.8%**), 主流向:**SSW**(佔 **22.4%**)。每小時記錄一次, 本月計 **720**筆 **(100%)**, 資料檔名:**C094PTX0.1HA**。

表3.8.4　2009 年 05 月 布袋港測站 X 觀測逐時流速及流向月報表

2009年 **5**月 **1**日 **0**時 **0**分 ～ **2009**年 **5**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
05/01	32/NE	29/NNE	8/NE	4/N	9/SSW	11/SW	18/W	13/SW	11/NW	3/S	2/ESE	14/NNE	13/E	28/NE	24/NE	4/ESE	15/SSW	35/SSW	35/SSW	24/SSW	10/WNW	13/NW	16/N	9/ENE	16	35/SSW
05/02	27/NE	28/NNE	26/NNE	20/NNE	7/NNW	6/SSW	15/SW	26/SSW	14/N	12/SW	8/SSW	7/SSE	14/NNE	26/NE	30/ENE	20/NE	9/ENE	17/S	31/S	25/SSW	28/SW	20/SW	18/W	7/NW	18	31/S
05/03	15/N	29/NNE	31/NNE	26/NNE	10/ENE	3/SE	13/SSW	16/SSW	22/SSW	24/SSW	23/SSW	6/SSW	9/SE	4/NE	22/NNE	27/NE	21/NE	9/NNE	8/S	21/SSW	24/SSW	26/SSW	18/SSW	20/SSW	18	31/NNE
05/04	8/SSE	22/NNE	28/NNE	29/NE	24/NNE	20/NNE	5/ENE	12/SSW	26/S	30/SSW	30/SSW	24/SSW	10/SSW	5/NE	14/NE	20/NE	21/NE	17/NE	9/ENE	7/SSE	21/SSW	25/SSW	19/SSW	27/SW	19	30/SSW
05/05	12/SW	3/W	15/NE	29/NNE	33/NNE	30/NNE	24/NNE	14/NE	9/S	13/SSW	30/SSW	35/SSW	27/SSW	12/SW	4/W	12/NNE	24/NNE	27/NE	20/NE	14/NE	9/S	18/SSW	21/SSW	24/SW	19	35/SSW
05/06	32/SW	15/SW	7/NNW	21/NNE	18/NNE	29/NNE	23/NE	17/NE	8/NNE	12/S	32/SSW	34/SSW	27/SSW	19/S	14/S	2/SSE	18/NE	33/NNE	33/NE	25/NE	13/NE	8/SE	21/SSW	18/SW	20	34/SSW
05/07	17/SSW	19/WNW	9/W	12/N	26/NNE	35/NNE	40/NNE	27/NNE	19/NE	4/ENE	23/S	25/S	36/SSW	36/SSW	15/WSW	9/N	14/NNE	26/NNE	36/NNE	34/NE	17/NE	7/ENE	13/SSW	24/SSW	22	40/NNE
05/08	25/SSW	22/SSW	20/SW	10/WNW	21/NNE	29/N	37/NNE	48/NNE	24/NNE	16/NNE	3/NE	17/SSW	36/SSW	30/SW	23/SW	15/WSW	11/N	22/NE	34/NNE	35/NE	25/NE	17/NE	9/ENE	19/S	23	48/NNE
05/09	23/SSW	26/SSW	22/SSW	15/SSW	2/NNW	12/ENE	19/NE	42/NNE	21/ENE	18/NE	22/ESE	17/S	32/SSW	36/N	31/SSW	26/S	17/WNW	14/NE	26/N	33/NNE	22/NE	16/E	3/ENE	3/WNW	21	42/NNE
05/10	10/SW	13/SSW	14/WSW	14/WSW	12/WNW	10/NNW	18/N	33/NNE	18/NNE	13/NNE	15/NE	13/SSE	28/SSW	37/SSW	34/SSW	25/SSW	25/S	1/WSW	19/NNE	24/NE	36/NNE	22/NNE	15/N	7/N	19	37/SSW
05/11	5/SW	13/SW	17/SW	20/SSW	12/SW	9/NW	7/N	17/NNE	13/NNE	10/ENE	22/NE	10/SE	22/SSE	33/S	32/SSW	28/SSW	20/S	29/S	7/N	7/ENE	21/NE	18/N	19/NNE	16/NNE	17	33/S
05/12	4/NNE	9/SW	12/SSW	21/SSW	16/SSW	9/N	7/NNW	13/N	22/N	8/NNE	25/NE	13/ESE	22/SE	12/S	29/S	27/SSW	25/SSW	20/SSW	3/SSE	22/E	16/E	30/NNE	26/NNE	17/NNE	17	30/NNE
05/13	14/E	8/SSE	12/S	14/S	21/SSW	11/WSW	9/NW	9/NW	13/N	3/ENE	10/ENE	26/NNE	22/E	23/SE	24/S	40/SSW	35/SSW	23/SSW	12/SSW	2/NW	8/NNE	22/NNE	32/NNE	29/NE	18	40/SSW
05/14	17/NE	4/ESE	11/S	23/SSW	21/SSW	20/SSW	15/SSW	6/SW	4/N	12/NNE	22/ESE	21/ENE	23/NE	10/ENE	16/SSW	25/SSW	26/SSW	24/SSW	15/N	11/SW	7/SSE	9/NE	21/NNE	16/NE	16	26/SSW
05/15	21/NNE	8/NE	6/E	11/S	15/S	4/SSW	8/N	6/WSW	3/SSW	7/ESE	10/NE	25/ESE	27/NE	19/NE	6/E	11/SSW	27/SSE	28/SSW	26/SSE	14/S	14/SSE	8/ESE	10/NE	19/NNE	14	28/SSW
05/16	21/NNE	18/NNE	8/NNE	5/NNE	3/NE	6/S	7/SSE	10/S	7/SE	12/ESE	10/E	17/NNE	25/ENE	27/ENE	19/NE	6/E	18/SSE	33/SSW	28/SSW	28/SSE	13/S	13/SW	6/NNE	26/N	15	33/SSW
05/17	37/N	22/NNE	22/NNE	13/N	8/W	12/WNW	16/W	10/SW	17/SSW	10/SSW	5/SSW	12/E	20/NE	32/NE	20/ENE	16/NE	13/ESE	18/SSE	33/S	25/SW	14/SSW	13/SSW	9/SSE	6/E	17	37/N
05/18	13/NNE	18/NE	24/NE	10/ENE	8/NE	4/S	3/SSW	19/SW	23/N	17/SSW	5/SSW	16/SSE	8/NE	14/NE	22/NE	15/ENE	14/E	6/SSE	14/S	26/SSW	29/SSW	31/SSW	14/SW	2/SW	15	31/SSW
05/19	8/N	23/NNE	19/NNE	24/NNE	5/SW	7/NNE	2/WSW	4/NNW	10/SW	23/SW	18/SW	27/SSE	4/SSW	14/SE	14/NNE	19/NE	24/NNE	16/NE	2/SE	11/S	23/SSW	26/S	21/S	19/SW	15	27/SSE
05/20	7/S	5/N	7/N	14/NNE	28/NNE	14/NNE	16/NNE	3/ENE	11/SSW	21/SSW	25/SSW	23/S	13/SSW	4/SSE	5/NNE	16/ENE	21/ENE	28/ENE	17/ENE	10/ENE	6/SE	11/SSW	25/SSW	16/SSW	14	28/NNE
05/21	10/SSW	9/N	34/NW	29/N	34/NNE	23/NNE	20/NNE	11/N	4/WSW	18/SW	23/SSW	25/SSW	36/SSE	20/S	7/S	7/ESE	14/ESE	23/ENE	27/ENE	23/ENE	8/NNE	6/SSW	24/SSW	23/SSW	19	36/SSE
05/22	9/WSW	23/NW	23/NW	18/N	23/N	26/NNE	18/NNE	15/N	2/ENE	22/S	35/SSW	40/S	37/SSW	29/SSW	15/SSW	7/SSW	16/NE	34/NNE	27/NNE	31/NNE	22/NNE	5/N	16/SSW	25/SSW	22	40/S
05/23	34/SW	16/SW	16/S	8/NW	15/N	21/NNE	29/NNE	22/NNE	13/N	5/WSW	25/SSE	30/S	33/SSW	31/SSW	25/SSW	7/SW	16/ENE	27/NNE	39/NNE	37/NNE	30/NE	17/NE	9/SSW	22/SSW	22	39/NNE
05/24	21/SSW	19/SSW	21/SW	9/WNW	8/N	18/NNE	20/NE	27/NNE	28/NNE	15/NNE	3/WNW	20/SW	38/S	28/SSW	24/SSW	14/SW	9/NNW	22/NNE	32/NE	42/NNE	39/NE	29/NE	10/NE	12/SSW	21	42/NNE
05/25	27/SSW	25/SSW	19/SSW	13/SSW	6/SW	19/NNE	28/NNE	26/N	34/NNE	17/NE	6/ESE	25/S	38/SSW	37/SSW	31/SSW	27/SSW	12/WSW	9/NNW	26/NNE	32/NNE	38/NE	34/NNE	16/NE	6/NE	23	38/NE
05/26	15/S	30/SSW	32/SSW	19/SSW	7/WSW	6/NNW	22/NNE	30/NNE	24/NE	36/NNE	16/ENE	7/SE	28/SSW	42/SSW	39/SSW	33/SSW	29/SW	21/W	10/NNW	27/NNE	36/NNE	36/NNE	31/NE	18/ENE	25	42/SSW
05/27	7/ESE	24/SSW	27/SSW	25/SSW	13/SSW	7/S	11/NNE	23/NNE	28/NNE	33/NNE	39/NNE	19/NNE	1/WNW	29/SSW	25/SSW	30/SW	24/SW	10/SW	3/NNE	18/NNE	33/NNE	36/NNE	31/NE	31/NNE	22	39/NNE
05/28	14/NE	2/SW	24/SSW	28/SSW	28/SSW	17/SSW	10/S	9/NE	17/NNE	27/NNE	24/NE	26/NNE	19/NE	9/SSE	21/SSW	26/SSW	31/SSW	20/SW	12/SW	1/SSW	18/NNE	18/NNE	36/NNE	31/NNE	19	36/NNE
05/29	8/ENE	7/NE	9/SSE	25/S	22/SSW	25/SSW	14/SW	6/N	2/SE	20/NE	26/NNE	17/NE	34/NNE	15/NE	17/SSE	28/SSW	34/SSW	30/SSW	22/SW	12/SW	13/N	18/N	21/NNE	38/NNE	19	38/NNE
05/30	30/NNE	26/N	14/NNE	6/S	12/SSW	12/SW	22/SSW	3/WSW	3/WNW	6/NE	8/E	22/NNE	34/NE	31/NNE	15/NE	13/SSE	23/SSW	26/SSW	26/SSW	21/SSW	13/NW	21/NNW	20/N	22/NNE	18	34/NE
05/31	24/NNE	32/NNE	22/NNE	9/NNE	28/NNW	14/SSW	14/N	12/W	10/W	2/E	8/SE	14/ESE	16/NE	38/ENE	41/NE	24/NE	9/E	14/SSW	25/SSW	33/SSW	17/SW	14/WNW	23/NW	20/N	19	41/NE
平均值	18	18	18	17	16	15	16	17	15	15	18	20	24	24	21	19	20	21	21	22	20	19	19	18		
最大值	37/N	32/NNE	34/NW	29/NNE	34/NNE	35/NNE	40/NNE	48/NNE	34/NNE	36/NNE	39/NNE	40/S	38/SSW	42/SSW	41/NE	40/SSW	35/SSW	35/SSW	39/NNE	42/NNE	39/NE	36/NNE	36/NNE	38/NNE		

[註 1]: 月平均流速= **19cm/s**, 最大流速= **48m/s**, 其流向爲 **NNE**(去向)。流速分佈: **<25cm/s: 72.2%,25~50cm/s: 27.8%,50~70cm/s: .0%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 42.7%,E~S: 11.7%,S~W: 37.2%,W~N: 8.3%**, 流向主軸:**SSW-NNE**(佔 **43.3%**), 主流向:**SSW**(佔 **23.3%**)。每小時記錄一次, 本月計 **744**筆 **(100%)**, 資料檔名:**C095PTX0.1HA**。

港灣技術研究中心

表3.8.5　2009 年 06 月 布袋港測站 X 觀測逐時流速及流向月報表

2009年 **6**月 **1**日 **0**時 **0**分 ～ **2009**年 **6**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
06/01	29/N	29/N	36/NNE	21/N	17/N	25/NNW	10/SW	20/SW	15/W	16/SW	4/N	14/E	18/ESE	36/NE	45/NE	43/NE	19/NE	8/ENE	13/S	19/SSW	22/W	13/SW	18/SW	17/WNW	21	45/NE
06/02	18/N	17/N	29/NNE	38/N	24/N	20/NNE	15/NW	7/SSW	19/SW	31/SSW	22/SSW	16/SSW	3/WNW	20/NNE	30/NNE	40/NNE	37/NNE	17/NE	10/ENE	1/SSE	11/SW	21/WSW	20/SW	17/SW	20	40/NNE
06/03	15/NNW	27/N	34/N	37/NNE	37/NNE	26/NE	15/NNE	11/N	6/S	26/SSW	24/SSW	26/SSW	12/SSW	3/NE	22/NNE	34/NNE	43/NE	38/NNE	28/NNE	16/NNE	3/NW	7/W	18/SW	26/SW	22	43/NE
06/04	11/W	8/WNW	25/N	34/N	35/NNE	33/NNE	27/NNE	14/NE	11/WSW	12/SSW	27/SSW	27/SW	19/WSW	21/W	20/NNW	34/NNE	47/NNE	41/NNE	40/NNE	28/NNE	15/NE	13/SW	27/SSW	36/SSW	25	47/NNE
06/05	31/SW	22/SSW	5/SSW	6/NW	8/N	17/NNE	29/NNE	18/NNE	4/NNW	14/SW	31/SSW	39/SSW	37/SSW	24/SW	7/WSW	7/W	15/N	26/NNE	36/NNE	26/NNE	26/NNE	3/W	10/SW	24/SW	19	39/SSW
06/06	34/SSW	22/SW	14/W	13/NNW	30/N	26/N	28/N	33/NNE	23/NNE	14/NNE	16/SSW	28/SSW	33/SSW	33/SSW	24/SSW	16/WNW	19/NE	25/NNE	26/NNE	26/NE	32/NNE	22/NE	14/NNE	7/SW	23	34/SSW
06/07	16/SSW	33/SSW	15/SSW	19/WNW	11/N	18/N	30/N	20/N	22/NNE	23/N	10/SSE	26/SSW	37/SSW	35/SSW	32/SSW	21/SSE	14/WNW	14/NE	17/NE	40/NNE	25/NE	19/NE	15/NNE	2/W	21	40/NNE
06/08	13/SSW	22/SSW	33/SSW	15/SSW	15/NW	15/N	24/N	36/NNE	25/NE	27/NE	15/ESE	12/S	27/SSW	34/S	40/SSW	26/SSW	14/SW	12/NNW	15/ESE	14/NE	17/ENE	20/NNE	8/ENE	9/NE	20	40/SSW
06/09	9/SSW	20/SSW	29/N	34/SW	8/SW	7/W	17/N	22/N	27/N	35/NNE	28/NNE	13/ESE	12/S	30/SSW	33/SSW	32/SW	11/WSW	13/NE	26/NNE	54/NNE	47/NE	41/NNE	26/NNE	20/NNE	25	54/NNE
06/10	4/NNW	10/WSW	18/SW	31/SSW	12/SW	9/NW	18/NNW	26/N	35/NNE	32/NNE	23/NE	19/NE	13/ESE	7/SSE	21/S	27/SSW	24/SSW	19/W	20/NNE	35/NNE	44/NNE	36/NNE	30/NNE	29/NNE	23	44/NNE
06/11	10/NNE	6/WSW	9/SSW	16/SW	25/SW	11/W	13/NW	19/NNW	26/N	29/NNW	32/NNE	27/NNE	18/N	11/SSW	18/SW	30/SSW	18/WSW	5/W	11/NW	21/NNE	18/NE	37/NE	36/NNE	26/NE	20	37/NE
06/12	19/N	13/N	5/WNW	20/SW	26/SW	14/SW	14/WNW	21/NW	23/N	26/NE	30/NNE	38/NNE	34/NNE	28/NNE	14/W	30/SW	21/SW	20/WSW	14/WNW	13/WNW	24/N	33/NNE	51/NNE	41/NNE	24	51/NNE
06/13	36/NNE	23/N	13/NNE	3/ENE	12/WNW	27/SSW	13/W	18/NW	22/N	23/N	38/NNE	28/NNE	33/NNE	21/NNE	2/E	8/WSW	21/SSW	19/SW	27/WNW	38/NW	25/NNW	38/N	34/NNE	34/N	23	38/NW
06/14	35/NNE	20/NNE	16/NNE	5/NNE	4/WNW	17/SSW	21/SSW	10/S	6/NE	15/E	14/NE	32/NE	14/NE	18/NE	17/NE	13/S	16/SE	27/S	16/SSW	12/SW	16/NW	20/NW	21/N	26/NE	17	35/NNE
06/15	26/NNE	32/NNE	21/NNE	15/NE	12/NNE	6/SSW	12/N	17/SW	5/W	6/WNW	13/NNW	7/NE	20/NNE	20/E	16/ENE	9/ENE	11/SW	14/S	35/SSW	29/SSW	21/SW	13/W	5/NNW	16/NNE	16	35/SSW
06/16	5/NNW	28/NNE	9/NE	19/NE	6/ENE	11/SSW	25/SSW	31/S	20/SSW	11/S	7/S	8/E	10/E	15/NE	10/E	4/ENE	13/S	26/S	41/SSW	38/SSW	28/SW	15/SW	15/WNW	16/NNW	17	41/SSW
06/17	10/S	13/NE	11/E	17/ENE	26/NE	8/E	17/S	27/SSW	29/SSW	18/S	22/SSE	6/NW	14/ESE	11/ENE	20/NE	22/ENE	18/ENE	13/SE	18/S	28/SSW	26/SSW	22/SSW	11/SSW	13/NW	17	29/SSW
06/18	10/ENE	15/ENE	22/NNE	16/ENE	26/NNE	26/NNE	15/NNW	12/SW	16/SSW	27/SSW	10/SSE	17/WNW	9/N	12/NNE	24/E	22/NE	38/NE	33/ENE	20/E	20/SSW	9/S	34/SW	22/SW	22/W	20	38/NE
06/19	18/NW	19/N	30/NNE	30/NNE	48/NNE	24/NNE	14/NNE	6/NW	16/W	36/SSW	27/SW	20/W	27/W	8/NNW	31/NNE	43/NNE	54/NNE	34/NNE	24/NNE	7/NE	3/N	18/WSW	34/SW	26/SW	25	54/NNE
06/20	18/WSW	18/WNW	17/N	22/NNE	28/N	45/NNE	32/NNE	13/N	17/SW	33/SSW	18/WSW	18/WNW	28/NW	43/NNW	66/N	71/NNE	52/NNE	50/N	44/N	12/NNE	10/SSW	10/SSW	5/N	17/W	29	71/NNE
06/21	23/WNW	33/N	28/WSW	31/NE	66/NE	22/NE	37/NNW	25/NW	12/NNW	32/WNW	28/SSW	15/NNW	46/NNW	42/NW	42/ENE	32/NE	38/NNE	33/NW	24/NNW	23/NW	6/SSW	22/NE	13/WSW	5/WNW	28	66/NE
06/22	39/NNE	49/NNE	18/NNW	21/S	19/ESE	68/NE	81/NE	55/NE	78/NE	19/ESE	35/N	20/N	27/NW	28/NW	25/NE	34/WNW	35/ESE	28/NNE	32/WSW	57/NNE	13/SE	35/NNE	20/WNW	36/W	36	81/NE
06/23	14/SW	57/NW	33/N	12/WNW	12/WSW	38/NNW	12/NE	18/N	18/WNW	30/WNW	16/N	27/NNE	27/N	39/N	16/WSW	33/WNW	21/N	31/N	20/S	34/S	32/SW	17/NNW	37/NW	22/SSE	26	57/NW
06/24	19/NNE	9/NE	17/WNW	28/W	41/WNW	28/NNE	39/N	19/NW	13/N	39/NW	25/N	34/WNW	16/NE	5/N	23/SW	40/NNW	55/N	34/WNW	20/NNE	24/WNW	8/SSW	5/WSW	27/WSW	1/W	24	55/N
06/25	35/SSW	38/NNW	32/N	23/NNW	40/NW	14/NW	52/NNE	38/NNW	53/NNE	55/NNE	21/NNE	9/NW	29/N	9/SE	27/NNW	37/N	9/W	23/NW	20/N	25/NNW	6/ENE	22/NW	26/NNW	17/NNE	28	55/NNE
06/26	31/NNW	17/NNW	26/WSW	29/NE	13/WNW	45/N	40/NNW	35/NNW	42/W	48/N	1/N	56/N	23/SSE	20/WNW	27/NNW	33/NW	30/NNW	23/W	16/ENE	29/NNW	32/ENE	48/ENE	54/E	23/SE	31	56/N
06/27	25/SSE	8/ENE	30/NNE	37/NNW	39/WNW	24/WSW	50/N	41/NNW	22/WNW	19/NNW	52/N	12/W	27/NNE	12/NNW	27/WNW	36/NW	26/NW	18/W	26/NNE	50/NNW	28/NW	42/NNW	19/NW	36/WSW	29	52/N
06/28	16/WNW	10/SE	43/N	30/NW	10/NNW	30/N	29/NNW	62/NW	31/SSW	32/NNW	45/NW	27/W	38/NW	40/NW	40/NNW	28/E	6/WSW	31/NNW	12/N	13/N	29/NNW	21/SW	43/NNW	35/N	29	62/NW
06/29	27/S	40/NNW	17/SSW	26/WSW	29/NNW	7/WNW	43/NNW	14/SSW	38/NNE	23/WNW	35/NW	31/WSW	58/NNE	20/W	36/NNW	30/NW	40/NW	36/NE	10/ESE	26/NW	38/NNW	47/W	4/NNW	24/NNE	29	58/NNE
06/30	42/N	45/N	30/NNE	43/NNW	13/WSW	39/N	30/NW	35/WSW	27/NE	23/NNW	26/N	44/WNW	20/NW	27/WNW	37/NNW	49/NW	37/NNW	14/S	27/NNE	21/WSW	23/N	9/E	42/NNE	27/NNE	30	49/NW
平均值	21	23	22	23	23	23	27	24	23	26	23	23	24	22	26	29	27	24	23	26	21	23	24	22		
最大值	42/N	57/NW	43/N	43/NNW	66/NE	68/NE	81/NE	62/NW	78/NE	55/NNE	52/N	56/N	58/NNE	43/NNW	66/N	71/NNE	55/N	50/N	44/N	57/NNE	47/NE	48/ENE	54/E	41/NNE		

[註 1]: 月平均流速= **24cm/s**, 最大流速= **81m/s**, 其流向爲 **NE**(去向)。流速分佈: **<25cm/s: 55.1%,25~50cm/s: 41.7%,50~70cm/s: 2.9%,75~100cm/s: .3%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 40.0%,E~S: 5.3%,S~W: 27.4%,W~N: 27.4%**, 流向主軸:**NNE-SSW**(佔 **29.6%**), 主流向:**NNE**(佔 **18.3%**)。每小時記錄一次, 本月計 **720**筆 **(100%)**, 資料檔名:**C096PTX0.1HA**。

表3.8.6　2009 年 07 月 布袋港測站 X 觀測逐時流速及流向月報表

2009年 **7**月 **1**日 **0**時 **0**分 ～ **2009**年 **7**月**21**日**10**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
07/01	10/WSW	30/WNW	31/NNW	13/WSW	23/NE	24/N	26/W	23/NW	40/NNW	67/NNW	33/NNW	8/NW	36/W	30/SW	53/NNW	72/NNE	15/WNW	3/W	49/SW	14/WNW	42/NNW	8/WNW	12/NNE	39/WNW	29	72/NNE
07/02	16/N	30/NW	21/WNW	19/NNW	24/WNW	29/NNW	35/WSW	25/NNW	40/N	13/WNW	41/N	29/NW	57/NNE	5/ENE	12/NNW	13/NW	36/NW	11/NW	44/W	10/NNE	6/W	28/WSW	16/WSW	27/NNW	24	57/NNE
07/03	1/S	21/NW	15/NNW	23/NW	16/WSW	9/WNW	29/NNW	48/NNW	16/WNW	36/WSW	47/NNW	29/WSW	23/WNW	18/WNW	38/N	12/WSW	33/NNW	25/NNE	29/NNW	15/W	17/N	23/N	26/N	43/W	25	48/NNW
07/04	33/NNW	17/W	43/NNW	26/W	38/N	37/NNW	42/NW	29/N	16/WNW	51/WNW	10/SW	44/W	14/NW	16/WNW	55/N	57/N	28/N	12/WNW	47/NW	13/SSE	27/N	9/NNW	23/NNE	36/ENE	30	57/N
07/05	21/NNW	28/S	53/NW	31/N	23/NNW	30/WSW	21/NNW	35/N	46/N	26/NNW	22/WSW	10/ESE	21/NW	19/SW	30/NNW	31/E	27/WNW	41/NNW	44/NNE	15/WSW	28/N	31/NW	19/NNE	30/N	29	53/NW
07/06	16/W	24/WNW	65/WNW	25/WNW	38/NNW	14/NE	20/NW	25/W	26/SSW	46/SSW	43/W	31/WNW	69/NNW	29/N	1/ENE	17/NNW	29/WNW	14/W	16/NNW	9/NNW	50/N	28/NNW	33/NW	25/NNW	29	69/NNW
07/07	19/NW	25/WNW	43/NNW	27/NW	35/NNW	69/N	23/NNW	34/NNW	49/NNW	49/NNW	33/WSW	49/N	29/N	49/NNW	25/NNW	24/NNW	34/WSW	15/WSW	26/WNW	35/N	35/W	20/N	9/NE	64/NNW	34	69/N
07/08	55/NNW	34/W	23/NNW	9/NNE	42/SW	17/NNW	11/NNE	27/SW	29/NE	39/NNW	29/N	30/WNW	14/NE	28/WNW	11/W	48/N	38/N	19/NNE	27/NNW	30/WNW	11/N	28/WSW	11/N	20/NNW	26	55/NNW
07/09	46/NNE	23/WSW	35/NW	26/W	18/WSW	27/NNW	3/S	32/W	20/W	35/NNW	22/WNW	26/W	46/NNW	48/N	20/NW	31/WNW	27/NNW	37/NNE	20/SSW	34/NNW	17/NNE	45/NNW	20/SSW	21/NNE	28	48/N
07/10	4/NNW	50/N	28/NW	17/NNW	12/N	44/NW	32/NNW	45/N	36/NNW	7/E	38/NW	32/NW	55/N	15/SW	11/N	57/N	33/NW	54/N	23/NNW	3/S	26/ENE	35/NW	29/WNW	52/NW	31	57/N
07/11	33/NNE	29/WSW	46/N	36/N	20/N	31/NW	30/WNW	3/WNW	23/NW	29/WNW	15/NNW	44/W	27/NNW	44/NW	26/N	34/W	25/S	35/NNW	19/N	20/W	17/NNW	17/SSE	30/NNW	13/NNW	27	46/N
07/12	7/NNE	32/N	18/WNW	29/N	44/N	41/NW	23/NNW	36/NNW	31/NW	29/NNW	14/N	38/NNW	16/NNW	35/NW	16/NNW	23/W	39/NW	34/NNW	52/N	35/NNW	6/E	26/WSW	35/N	26/NNE	29	52/N
07/13	32/N	37/NE	24/W	37/NW	6/SW	31/WNW	23/N	33/NE	10/SSE	9/N	35/N	33/NNW	55/WNW	37/NW	1/SSW	15/NNW	7/SSW	29/N	11/WNW	23/E	37/NW	26/N	21/SW	33/NW	25	55/WNW
07/14	19/W	16/W	21/N	34/NNW	31/WNW	10/W	18/SSW	18/NE	20/N	10/SW	34/WNW	23/ENE	13/WNW	36/SW	13/NNE	19/N	25/WNW	3/S	10/W	24/S	5/WNW	25/SW	25/SW	37/NNW	20	37/NNW
07/15	16/WNW	15/SE	10/S	27/SW	27/S	13/S	19/S	35/SSW	37/SW	29/SSW	12/WNW	10/NNE	26/N	50/NNE	45/N	49/N	51/N	53/NNE	45/NNW	79/NNE	22/W	34/N	21/NNW	55/NNW	33	79/NNE
07/16	11/NNW	19/SW	18/SW	37/NW	21/NNW	53/NNW	11/NNW	36/N	24/NNW	19/SSW	22/NE	12/N	38/WNW	25/NNW	28/NW	43/WSW	23/NW	44/NNE	22/NW	33/NNE	22/S	22/NNW	44/NW	13/N	27	53/NNW
07/17	9/NNW	20/N	12/SW	24/NW	26/NNE	8/WSW	3/SW	14/WSW	12/NNE	34/N	58/SW	21/NW	38/N	33/NW	42/NNW	23/ENE	29/NNW	11/S	23/W	25/NNE	23/WSW	8/WNW	18/WNW	20/SW	22	58/SW
07/18	20/NNW	35/N	17/WNW	45/NNW	18/NNW	66/N	43/N	25/SSE	28/WNW	40/NNW	17/NW	23/NNW	49/NW	16/WNW	9/SW	33/SSW	20/ENE	32/N	39/NW	23/WNW	32/NNE	16/WSW	26/N	17/N	29	66/N
07/19	27/N	42/ENE	56/SSW	26/W	27/NW	11/N	24/SSE	28/E	12/N	24/WSW	46/NE	16/W	24/NNE	17/W	35/NNW	27/NE	11/SE	23/N	43/NE	15/E	30/E	19/ENE	17/SE	29/ESE	26	56/SSW
07/20	34/NE	24/SE	18/E	9/ESE	33/N	16/NE	34/NNW	20/N	9/SSW	16/NNE	19/SE	25/ENE	18/NE	4/WSW	15/S	25/N	12/NW	35/S	80/ENE	43/ENE	24/E	7/SSE	25/ENE	34/SSE	24	80/ENE
07/21	21/E	31/NE	19/SSW	28/E	31/NE	18/WNW	11/NW	18/SW	7/WSW	26/NNE	33/SSW	*	*	*	*	*	*	*	*	*	*	*	*	*	22	33/SSW
平均值	21	28	29	26	26	28	23	28	25	30	30	27	33	28	24	33	27	27	33	25	24	23	23	32		
最大值	55/NNW	50/N	65/WNW	45/NNW	44/N	69/N	43/N	48/NNW	49/NNW	67/NNW	58/SW	49/N	69/NNW	50/NNE	55/N	72/NNE	51/N	54/N	80/ENE	79/NNE	50/N	45/NNW	44/NW	64/NNW		

[註 1]: 月平均流速= **27cm/s**, 最大流速= **80m/s**, 其流向爲 **ENE**(去向)。流速分佈: **<25cm/s: 47.0%,25~50cm/s: 47.3%,50~70cm/s: 5.3%,75~100cm/s: .4%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 21.4%,E~S: 5.3%,S~W: 18.3%,W~N: 55.0%**, 流向主軸:**NNW-SSE**(佔 **21.6%**), 主流向:**NNW**(佔 **20.2%**)。每小時記錄一次, 本月計 **491**筆 (**66%**), 資料檔名:**C097PTX0.1HA**。

表3.8.7　2009 年 08 月 布袋港測站 X 觀測逐時流速及流向月報表

2009年 **8**月**25**日**17**時 **0**分 ~ **2009**年 **8**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
08/25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	34/W	34/SE	17/SW	32/S	32/SW	27/SW	38/NW	31	38/NW
08/26	15/ENE	29/WSW	12/WSW	16/NNW	43/SSW	50/SE	20/SSW	37/W	21/SSE	51/ENE	24/ESE	38/ENE	56/NE	37/ENE	26/E	30/NW	44/NW	36/S	18/SSW	17/WSW	20/N	13/ENE	25/NE	27/NNE	29	56/NE
08/27	14/NE	14/NNE	7/SSW	20/SW	28/SW	35/SSW	16/WSW	28/W	16/WNW	7/ENE	23/NNE	43/ENE	32/ENE	33/ENE	18/E	20/ESE	17/SSE	39/SSW	38/SSW	20/SSW	13/SW	1/N	6/ESE	32/ENE	22	43/ENE
08/28	18/E	26/NE	4/SE	10/SSW	14/SW	21/SW	25/SW	7/W	19/WSW	10/W	6/SSE	26/NE	60/NE	43/NE	25/NE	19/E	9/SE	17/S	29/SSW	23/SSW	24/SSW	9/SSW	8/S	6/E	19	60/NE
08/29	35/ENE	20/E	16/NE	16/NE	2/WSW	10/WSW	13/WSW	20/SW	12/WSW	17/W	7/SW	1/NNW	7/NNE	42/ENE	29/ENE	33/ENE	22/E	12/N	9/SSW	17/WSW	18/WSW	20/SW	9/SW	3/ESE	16	42/ENE
08/30	7/NE	40/ENE	27/NE	24/NE	14/NE	12/NE	6/NNW	13/W	11/S	10/W	18/W	8/WSW	11/N	33/ENE	28/NE	20/NNE	19/NE	13/NNE	2/SSE	14/WSW	20/SSW	19/SSW	20/SSW	10/SSW	17	40/ENE
08/31	7/NNW	9/N	29/NNE	46/NE	42/NE	35/NE	19/NNE	7/NW	12/SW	17/SSW	17/SSW	31/W	20/NW	30/NNE	54/NE	40/NNE	42/NE	27/NE	19/ENE	1/ESE	16/WSW	19/WSW	23/W	19/SW	24	54/NE
平均值	16	23	16	22	24	27	17	19	15	19	16	25	31	36	30	27	25	25	21	16	20	16	17	19		
最大值	35/ENE	40/ENE	29/NNE	46/NE	43/SSW	50/SE	25/SW	37/W	21/SSE	51/ENE	24/ESE	43/ENE	60/NE	43/NE	54/NE	40/NNE	44/NW	39/SSW	38/SSW	23/SSW	32/S	32/SW	27/SW	38/NW		

[註 **1**]: 月平均流速= **22cm/s**, 最大流速= **60m/s**, 其流向爲 **NE**(去向)。流速分佈: **<25cm/s: 64.2%,25~50cm/s: 32.5%,50~70cm/s: 3.3%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 **2**]: 流向分佈: **N~E: 37.7%,E~S: 12.6%,S~W: 39.7%,W~N: 9.9%**, 流向主軸: **NE- SW**(佔 **25.2%**), 主流向: **NE**(佔 **15.2%**)。每小時記錄一次, 本月計 **151**筆 (**20%**), 資料檔名:**C098PTX0.1HA**。

表3.8.8　2009 年 09 月 布袋港測站 X 觀測逐時流速及流向月報表

2009年 **9**月 **1**日 **0**時 **0**分 ～ **2009**年 **9**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
09/01	12/SW	16/WNW	5/N	27/NE	30/NNE	32/NNE	28/NE	15/NE	10/SSE	18/S	34/SSW	32/SSW	21/SW	18/W	18/SW	3/SSW	15/NNE	25/NE	26/NE	13/ENE	7/NE	10/S	14/SSW	25/SW	19	34/SSW
09/02	18/SSW	11/WSW	25/NW	28/N	40/NNE	42/NNE	39/NNE	22/N	4/E	30/S	36/SSW	45/SSW	47/SSW	34/S	24/WSW	9/SSE	13/NE	26/NNE	30/NNE	20/NE	23/NE	6/ESE	25/SW	28/N	26	47/SSW
09/03	33/SSW	15/WSW	35/NW	21/N	30/NNE	41/NNE	40/NNE	33/NNE	20/NNE	4/S	35/SSW	48/SSW	42/SSW	39/SSW	30/S	19/WSW	2/ESE	15/NNE	33/NE	61/N	42/NNE	23/N	8/SSW	31/SSW	29	61/N
09/04	33/SW	31/SW	17/WNW	14/NNW	21/N	31/NNE	32/NNE	36/NNE	17/NNE	12/ESE	31/S	47/SSW	54/N	40/SSW	14/SSW	27/WSW	16/NE	34/NNE	33/NNE	27/NE	23/NNE	21/NE	5/WSW	35/SW	27	54/N
09/05	35/SSW	37/SSW	19/WSW	28/W	19/NNE	30/N	46/NNE	39/NNE	31/NNE	10/NNE	10/SSE	50/SSW	59/SSW	54/SSW	41/SSW	17/SSW	4/ENE	13/NNE	31/NNE	34/NNE	45/NNE	33/NNE	15/N	7/WSW	30	59/SSW
09/06	35/SSW	33/SSW	27/SSW	22/W	11/WSW	29/NNE	35/NNE	43/NNE	24/NE	26/NE	10/ENE	14/S	36/SSW	40/SSW	40/SSW	19/SW	20/W	20/NNE	38/N	34/NNE	24/NNE	23/NE	7/NNE	11/SSE	26	43/NNE
09/07	29/SSW	40/SSW	36/SSW	7/WSW	28/W	16/N	31/NNW	34/NNE	35/ENE	26/NE	15/E	7/ESE	20/SSE	43/SSW	30/S	39/SSW	20/WSW	7/WSW	22/NNE	31/NNE	34/NNE	28/NE	10/N	7/SE	25	43/SSW
09/08	15/S	39/SSW	30/SSW	22/S	12/W	8/NNW	25/NNE	32/NNE	40/NNE	18/NE	24/NE	14/ENE	24/S	54/SSW	48/SSW	44/SSW	37/SSW	7/SSW	12/N	17/NE	38/NNE	15/NNE	29/NNE	12/NNE	26	54/SSW
09/09	10/S	26/SW	37/SSW	32/SSW	19/WNW	26/W	19/NNE	38/NNE	23/NNE	31/NE	23/ENE	15/E	11/SSE	30/S	51/SSW	53/SSW	35/SSW	18/SW	21/WNW	7/NE	29/NNE	28/N	38/NNE	28/NNE	27	53/SSW
09/10	8/NNE	14/SSW	39/SSW	23/SW	19/SW	8/WSW	12/WNW	11/N	35/NNE	22/NE	36/NE	21/ENE	24/NE	17/SSE	29/S	47/SSW	52/SSW	29/SSW	16/WSW	5/NNW	25/NNE	30/N	30/NNE	29/NNE	24	52/SSW
09/11	9/NE	3/SSW	14/SW	36/SSW	25/SW	21/SW	11/SSW	7/N	16/NE	31/NNE	23/NE	37/NNE	20/E	22/NE	25/SSE	29/SSE	37/SSW	32/SSW	22/SSW	12/WSW	3/NNE	16/NNE	8/ESE	29/NNE	20	37/NNE
09/12	24/NNE	9/ENE	8/S	16/S	32/SSW	24/SSW	7/NW	21/W	10/NNW	12/NE	17/ESE	21/E	36/NE	23/ENE	13/E	10/SE	18/S	40/SSW	27/SSW	26/SSW	7/SW	3/WNW	13/S	5/ENE	18	40/SSW
09/13	24/NE	13/ESE	11/E	9/E	10/SSE	25/SSW	12/WSW	13/SSW	14/SW	9/WNW	8/ENE	7/NE	43/NE	38/NE	17/NNE	17/NE	5/S	16/SSW	24/SSW	38/SSW	37/SSW	25/SSW	7/WNW	15/ENE	18	43/NE
09/14	11/E	18/ENE	35/NNE	18/ENE	14/ENE	14/SSW	29/SSW	38/SW	34/WSW	3/S	23/N	44/NNE	38/NNE	28/NNE	40/NNE	54/NNE	29/NNE	17/NNE	14/SW	38/SSW	34/SSW	24/SSE	7/SW	23/N	26	54/NNE
09/15	40/NNE	41/NNE	29/NNE	46/NNE	20/NNE	13/N	13/SSW	35/SSW	45/SW	58/SW	14/W	9/NW	33/NE	44/NE	32/NE	49/NNE	44/NNE	16/NNE	7/NNE	19/SW	16/SW	37/SSW	27/SW	29/WSW	30	58/SW
09/16	31/WSW	20/NNE	24/NNE	26/NNE	46/NNE	20/NNE	10/NE	9/SSW	28/SSW	39/SSW	28/S	28/SW	54/W	10/SW	19/ENE	16/NE	28/NE	27/NE	23/NE	9/SE	22/SSE	28/S	35/SSW	38/SSW	26	54/W
09/17	24/SSW	22/W	9/ENE	3/E	16/NE	22/ENE	21/NE	9/ESE	14/SSE	35/SSW	29/S	42/SSW	35/SSW	11/SSW	23/W	13/NE	19/NE	30/NE	36/NE	13/NE	6/ENE	12/S	25/SSW	22/SSW	21	42/SSW
09/18	25/SSW	23/SW	27/W	7/NE	17/WNW	24/NNE	20/NNE	20/ENE	11/ESE	16/SE	36/S	38/S	45/SSW	31/SSW	30/W	16/SSE	21/E	32/NNE	30/ENE	26/NNE	16/E	21/SE	23/SE	29/SSW	24	45/SSW
09/19	23/SSE	19/S	10/SSW	14/WSW	7/ENE	9/ESE	27/NNE	23/NE	18/NE	10/ESE	29/SSW	51/SSW	53/SSW	49/SSW	23/SSW	4/NNW	22/WNW	19/NE	29/NNE	33/NE	16/NE	9/NE	15/S	40/SSW	23	53/SSW
09/20	28/SSW	36/SSW	22/SW	12/SSW	14/SW	28/NE	36/NNE	27/NE	24/NE	11/NE	13/SSE	36/SSW	46/SSW	43/SSW	35/SSW	27/SSW	6/SSE	18/NE	25/NNE	31/NNE	34/NE	15/NE	2/ENE	7/N	24	46/SSW
09/21	33/SSW	18/SW	17/SSW	8/SW	36/WSW	8/NW	10/N	35/NNE	23/NE	14/ESE	17/ENE	14/SE	25/SSE	44/SSW	53/SSW	37/SSW	15/SSW	15/W	23/NNE	21/NNE	21/NNE	11/NNW	17/NNE	1/WSW	22	53/SSW
09/22	17/SSW	36/SSW	41/SSW	34/SSW	15/SSW	21/SW	15/ENE	25/NNE	10/E	29/NNE	18/ENE	17/ENE	22/SE	31/S	34/S	37/SSW	20/SSE	19/W	10/ENE	4/NNE	18/NNE	25/N	25/NE	16/NNE	22	41/SSW
09/23	1/NE	31/SSW	25/SSW	33/SSW	20/SW	17/W	22/WNW	12/NNW	23/NNE	30/NNE	33/NE	14/N	29/ESE	24/SE	32/SSW	39/S	35/SSW	25/SSW	2/WSW	4/SW	6/NE	23/NNE	30/NNE	29/NNE	23	39/S
09/24	4/N	11/WNW	27/SSW	11/WSW	16/SSW	11/SW	30/W	7/N	11/ENE	24/NE	26/ENE	44/ENE	21/E	13/ESE	25/S	44/SSW	44/SSW	39/SSW	25/SSW	6/WSW	9/ENE	10/NNE	9/NNE	21/NNE	20	44/SSW
09/25	18/NNE	6/NNW	12/S	28/SSW	33/SSW	17/WSW	12/W	18/WNW	26/NE	30/NE	40/NNE	29/NE	30/NE	28/E	18/ESE	15/SSE	22/SSW	26/SW	19/SW	4/SW	4/WSW	6/NE	12/NNE	16/NNE	19	40/NNE
09/26	13/NE	13/NNE	3/E	9/S	20/S	31/SSW	24/WSW	8/WSW	16/WNW	10/NNW	15/NNW	16/E	37/NE	29/NE	17/E	16/SE	22/S	22/S	30/SSW	25/SSW	14/S	2/SSW	6/WNW	12/NNE	17	37/NE
09/27	12/NNW	16/ENE	17/NNE	10/NNE	2/SSE	19/SW	28/SSW	27/SSW	15/SSW	2/WNW	4/NE	10/N	29/NE	17/NE	27/NE	19/E	10/E	12/SSE	16/SE	20/SW	18/SSW	15/S	12/ESE	2/N	15	29/NE
09/28	4/E	7/NNW	12/NNE	17/NE	13/NE	4/NNE	8/WNW	25/SSW	19/S	18/SSW	11/W	7/WNW	8/ENE	12/NNE	22/NNE	15/NE	15/NE	6/E	10/S	18/S	30/N	18/SSW	14/SSW	6/NW	13	30/N
09/29	10/NNW	10/N	15/NNE	21/NNE	23/NNE	19/NE	9/E	2/SW	14/SSW	33/SSW	29/WSW	14/SW	18/N	23/NE	18/ENE	16/NE	24/N	27/NE	22/NE	8/SSE	21/S	25/SSW	11/SE	4/W	17	33/SSW
09/30	18/NNE	21/N	29/NNE	36/NNE	25/NE	35/N	22/NNE	5/NNE	27/W	34/SW	37/SW	19/WSW	7/WNW	20/NNE	30/NE	25/NNE	25/NNE	24/NNE	31/NNE	18/NNE	14/W	25/SSW	25/SW	29/WSW	24	37/SW
平均值	20	21	22	21	21	21	23	22	21	21	23	26	32	30	29	26	23	22	23	21	21	19	17	20		
最大值	40/NNE	41/NNE	41/SSW	46/NNE	46/NNE	42/NNE	46/NNE	43/NNE	45/SW	58/SW	40/NNE	51/SSW	59/SSW	54/SSW	53/SSW	54/NNE	52/SSW	40/SSW	38/N	61/N	45/NNE	37/SSW	38/NNE	40/SSW		

[註 1]: 月平均流速= **23cm/s**, 最大流速= **61m/s**, 其流向爲 **N** (去向)。流速分佈: **<25cm/s: 59.7%,25~50cm/s: 38.3%,50~70cm/s: 1.9%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 43.6%,E~S: 10.6%,S~W: 38.1%,W~N: 7.8%**, 流向主軸:**SSW-NNE**(佔 **41.0%**), 主流向:**SSW**(佔 **21.1%**)。每小時記錄一次, 本月計 **720**筆 **(100%)**, 資料檔名:**C099PTX0.1HA**。

港灣技術研究中心

表3.8.9　2009 年 10 月 布袋港測站 X 觀測逐時流速及流向月報表

2009年**10**月 **1**日 **0**時 **0**分 ~ **2009**年**10**月**31**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
10/01	15/WSW	30/N	31/NNE	33/NNE	35/NNE	41/NNE	24/NE	19/NE	5/WNW	5/S	37/SSW	39/SSW	31/WSW	22/W	28/WSW	11/N	1/WNW	5/NNE	11/N	9/SW	16/S	27/S	26/SSW	32/SSW	22	41/NNE
10/02	26/SSW	28/WSW	14/WNW	8/NE	3/SE	9/NNE	5/NE	10/NE	7/S	30/SSW	50/SSW	52/SSW	48/SSW	37/SSW	14/SSW	7/NE	17/ENE	23/NE	24/NE	20/NE	9/N	17/S	42/SSW	41/SSW	23	52/SSW
10/03	37/SSW	22/SSW	7/WNW	10/NNW	26/NNE	23/NE	28/NNE	10/ENE	6/NE	15/S	46/SSW	50/SSW	46/SSW	30/SSW	9/SSW	21/WNW	16/NNW	28/NNE	35/NNE	38/NNE	15/NE	15/S	31/S	37/SSW	25	50/SSW
10/04	41/SSW	23/SSW	10/SW	13/W	12/NNE	30/NNE	32/NNE	33/NNE	23/NE	4/SE	29/SSW	56/SSW	47/SSW	36/SSW	15/SW	4/SSW	16/N	32/NNE	37/NNE	32/NNE	29/NE	8/ENE	20/S	33/SSW	26	56/SSW
10/05	39/SSW	25/SSW	18/SSW	17/WNW	14/N	20/N	26/N	40/NNE	39/NE	32/NE	6/ESE	33/SSW	59/SSW	46/SSW	27/SSW	5/NNW	16/NNW	24/NNE	26/NNE	39/NNE	35/NNE	16/NNE	11/SSW	47/SSW	28	59/SSW
10/06	64/SSW	48/SSW	31/SSW	21/WNW	13/WSW	28/NNE	32/NNE	42/NNE	33/NNE	27/NE	10/ENE	18/S	31/SSW	52/SSW	27/SSW	9/WSW	17/ENE	28/NNW	30/NNE	30/NNE	25/NNE	22/NE	4/ENE	30/N	28	64/SSW
10/07	46/SSW	42/SSW	36/SSW	23/WSW	34/WSW	27/NE	28/NNE	26/N	37/NNE	30/NE	18/NE	19/SSE	35/SSW	39/S	32/SSW	18/SSW	9/S	16/NE	27/NE	22/NE	22/NE	25/NE	16/ENE	10/SSE	27	46/SSW
10/08	32/S	46/SSW	33/SSW	20/SSW	13/N	5/NNW	18/NE	31/NNE	33/NNE	26/NNE	29/NNE	9/E	15/S	39/SSW	41/SSW	28/SSW	24/SSW	5/WSW	16/NE	33/NNE	27/NNE	33/NNE	25/NNE	12/NNE	25	46/SSW
10/09	14/S	47/SSW	39/SSW	35/SW	19/SW	23/NW	14/N	25/NNE	11/NE	46/NNE	36/NE	26/ENE	8/E	25/S	41/N	41/SSW	32/SSW	11/SSW	8/NW	19/N	24/NE	27/NE	26/NNE	22/NNE	26	47/SSW
10/10	6/E	15/S	36/SSW	39/SSW	36/SSW	22/SSW	13/W	3/WSW	3/NE	16/NNE	22/NNE	29/NE	12/ENE	12/E	21/SSE	29/S	34/S	29/SSW	18/SSW	8/SSW	2/N	8/N	17/NNE	16/NE	19	39/SSW
10/11	22/NE	5/E	13/N	29/S	50/SSW	13/S	12/SSW	29/WSW	12/WSW	9/NE	13/E	48/NE	32/NE	27/NE	12/ESE	15/SSE	28/S	36/SSW	38/SSW	29/S	15/SSW	4/SE	4/ENE	15/NNE	21	50/SSW
10/12	18/NE	16/NNE	8/NE	6/SE	21/SSW	33/SSW	25/SSW	21/SSW	15/SW	23/W	11/SSE	15/ENE	26/NE	26/ENE	20/NE	7/E	14/S	30/S	34/S	32/S	24/SSW	21/SSW	12/S	10/SSE	19	34/S
10/13	11/NNE	26/NNE	12/ENE	9/ENE	12/ESE	22/S	29/SSW	29/SSW	28/SSW	24/SSW	27/W	19/WNW	4/SSE	17/NE	31/NE	26/NE	14/ENE	7/SE	13/S	36/SSW	37/N	30/SW	27/SSW	4/SW	20	37/N
10/14	6/SW	1/N	13/NNE	5/N	7/NNE	9/NNE	10/SSW	25/SSW	36/SSW	39/SSW	26/SSW	25/WNW	16/W	7/NNE	17/NE	28/NE	24/NE	16/NNE	7/ENE	18/S	27/S	37/SSW	25/SSW	16/SSW	18	39/SSW
10/15	14/W	9/NNE	4/NNE	16/NNE	6/NNW	19/NE	22/NE	14/S	28/S	39/SSW	48/SSW	32/SSW	14/SSW	17/WNW	10/NE	23/NE	31/NNE	29/NE	15/ENE	2/N	20/SSW	30/SSW	35/SSW	30/SW	21	48/SSW
10/16	9/SSW	8/SSW	3/ESE	24/NE	13/NNE	12/NNE	20/NNE	11/NNE	14/SW	22/SSW	24/SSE	41/SSW	31/SSW	23/S	14/SSW	11/ENE	29/NNE	27/NE	21/ENE	14/ENE	14/S	28/SSW	31/SSW	28/SSW	20	41/SSW
10/17	23/SSW	11/SSE	13/SSW	9/E	23/NNE	22/NNE	25/NNE	13/NNE	6/N	28/S	40/SSW	38/SSW	33/SSW	26/SSW	9/SSW	11/NNE	25/NNE	22/NNE	30/NNE	14/NE	11/ENE	14/SSW	30/SSW	31/SSW	21	40/SSW
10/18	31/SSW	18/SW	7/WNW	16/N	16/WNW	19/N	22/N	18/NNW	14/NNE	12/SE	15/SSE	32/SSW	44/SSW	35/SSW	10/SSW	9/NE	27/NE	44/NNE	28/NE	31/NE	16/NE	10/E	13/S	30/SSW	22	44/NNE
10/19	38/SSW	28/SW	14/WSW	23/WSW	10/NNE	14/N	27/NNE	21/NNE	9/NNE	7/ENE	18/SE	34/N	39/SSW	46/SSW	35/S	12/SW	3/N	20/NE	16/NE	32/NNE	11/NE	7/E	13/SW	29/S	21	46/SSW
10/20	38/SSW	39/SSW	21/N	22/SW	9/NW	28/NNE	24/NNE	31/NNE	25/NNE	9/NNE	10/E	21/S	44/SSW	54/SSW	49/SSW	29/SSW	7/SSE	4/NNE	15/N	22/NNE	31/NNE	17/NE	5/ESE	17/S	24	54/SSW
10/21	45/SSW	51/SSW	44/SSW	26/SW	8/SSW	15/WNW	19/NNE	11/NNE	31/NNE	32/NNE	12/NE	6/ESE	22/SSW	38/SSW	33/SSW	22/S	12/SW	6/NE	19/NE	25/NE	22/NE	20/NNE	15/NE	7/E	23	51/SSW
10/22	21/N	42/SSW	41/SSW	31/SSW	14/SSW	17/NNW	5/NNW	18/NE	24/NE	30/NNE	29/NE	12/E	17/SSE	26/S	32/SSW	30/S	16/SSW	5/N	13/NNE	18/NNE	19/NNE	28/NNE	19/NNE	11/NE	22	42/SSW
10/23	7/ESE	29/SSW	39/SSW	45/SSW	23/SSW	5/SW	15/W	19/NNE	26/NE	30/NE	28/NE	22/ENE	14/SE	25/S	30/S	35/SSW	32/SSW	21/S	6/SSE	3/E	11/NE	10/NE	16/ENE	12/ENE	21	45/SSW
10/24	10/SE	22/S	28/S	37/SSW	24/SSW	19/SSW	7/SSW	6/NNW	17/NNE	27/NNE	21/NNE	20/NNE	11/E	16/SSE	22/S	33/S	31/S	17/SSW	16/S	4/E	9/NE	19/NNE	24/NE	19/NE	19	37/SSW
10/25	17/NE	5/NE	11/S	22/S	37/SSW	24/SSW	10/SSW	4/SSE	11/NNE	20/NE	17/NE	20/NE	18/NE	11/ENE	11/SSE	19/S	18/S	42/SSW	28/SSW	18/SW	5/S	3/S	17/NNE	16/NE	17	42/SSW
10/26	18/NNE	13/NE	2/NE	11/SSW	29/SSW	25/SSW	22/SSW	17/SW	10/SW	3/NW	10/NE	13/ENE	17/NE	23/ENE	14/ENE	4/SSE	12/SE	13/S	26/SSW	24/SSW	17/SSW	5/SSE	2/NNE	4/N	14	29/SSW
10/27	18/NNE	25/NNE	10/N	3/N	7/N	26/WSW	25/SSW	24/SW	12/SW	5/WNW	5/ESE	16/E	24/ENE	34/ENE	28/ENE	36/E	9/ENE	4/ESE	8/W	23/W	15/SSW	15/N	13/WNW	3/NW	16	36/E
10/28	5/NNE	9/NNE	29/NNE	25/NNE	16/NNE	12/WNW	14/WNW	14/WNW	13/SSW	18/SSW	2/WSW	20/ESE	18/ESE	15/E	35/ENE	25/ENE	21/ESE	11/ESE	9/SSE	13/SSW	20/SW	17/SSW	7/WNW	20/WNW	16	35/ENE
10/29	13/NW	3/ENE	2/SE	17/NNE	6/NNW	11/NW	6/NW	5/SSW	20/S	16/SSW	17/S	14/SE	18/ESE	27/ESE	19/ENE	43/NE	33/NE	20/ENE	8/ENE	8/E	4/S	14/W	22/SW	17/WNW	15	43/NE
10/30	14/W	11/NW	12/N	15/N	16/N	15/WNW	10/WNW	9/W	13/WSW	12/SW	38/SSW	35/S	20/SSW	5/SSE	7/E	17/NNE	25/NNE	30/NE	20/ENE	6/E	6/S	12/SSW	34/SSW	27/SSW	17	38/SSW
10/31	16/SSW	9/WSW	4/W	15/NNE	10/NNE	32/NNE	11/NE	4/E	12/N	24/SSW	38/SSW	44/SSW	28/SSW	25/SSW	13/S	8/NE	20/NE	25/NNE	17/NE	7/NE	4/S	22/S	25/SSW	30/SW	18	44/SSW
平均值	23	23	19	20	18	20	19	19	18	21	24	28	26	28	23	20	20	20	20	20	18	18	20	21		
最大值	64/SSW	51/SSW	44/SSW	45/SSW	50/SSW	41/NNE	32/NNE	42/NNE	39/NE	46/NNE	50/SSW	56/SSW	59/SSW	54/SSW	49/SSW	43/NE	34/S	44/NNE	38/SSW	39/NNE	37/N	37/SSW	42/SSW	47/SSW		

[註 1]: 月平均流速= **21cm/s**, 最大流速= **64m/s**, 其流向爲 **SSW**(去向)。流速分佈: <**25cm/s: 63.6%**,**25~50cm/s: 35.3%**,**50~70cm/s: 1.1%**,**75~100cm/s: .0%**,>**100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 42.2%**,**E~S: 9.9%**,**S~W: 39.7%**,**W~N: 8.2%**, 流向主軸:**SSW-NNE**(佔 **42.5%**), 主流向:**SSW**(佔 **25.7%**)。每小時記錄一次, 本月計 **744**筆 **(100%)**, 資料檔名:**C09APTX0.1HA**。

港灣技術研究中心

表3.8.10　2009 年 11 月 布袋港測站 X 觀測逐時流速及流向月報表

2009年**11**月 **1**日 **0**時 **0**分 ~ **2009**年**11**月**30**日**23**時 **0**分

時 日	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	日平均 (cm/s)	日最大 (cm/s, 去向)
11/01	23/SSW	16/WSW	24/W	7/NW	21/NNE	9/N	32/NNE	11/NE	8/SSE	20/S	39/SSW	40/SSW	41/SSW	26/SSW	7/SSE	15/NE	23/NNE	30/NE	31/NNE	18/NNE	11/E	12/SSE	27/N	30/SSW	22	41/SSW
11/02	35/SSW	6/SSE	3/NNW	14/NE	23/NE	30/NE	34/NE	31/NE	21/NE	11/SSE	27/S	12/SSW	8/WSW	1/SE	3/E	8/N	11/ENE	19/NE	27/NE	36/NE	27/NE	11/NE	1/W	9/N	17	36/NE
11/03	16/N	9/NW	5/NNE	13/NE	9/NW	19/W	5/NE	13/NE	20/NE	14/E	25/S	30/S	37/SSW	26/S	24/WSW	12/NNE	20/ENE	23/NNE	23/NNE	21/N	26/NE	5/N	12/SSW	42/SSW	19	42/SSW
11/04	50/SSW	33/SW	28/WNW	33/WNW	16/NNE	20/NNW	25/N	22/N	18/NE	15/E	23/SE	22/S	39/S	48/S	34/SSW	26/SSW	10/S	10/S	13/NE	6/E	12/NNE	19/NNE	4/NNE	9/SW	22	50/SSW
11/05	34/SSW	37/SSW	32/SSW	28/WSW	20/WNW	10/NNE	4/WNW	16/NNE	6/NNW	34/NNE	15/ENE	20/SE	24/SSE	38/S	40/SSW	33/SSW	11/S	2/S	7/SE	20/NNE	11/ENE	15/NE	6/SSE	9/SSW	20	40/SSW
11/06	23/SSW	22/SW	27/SSW	21/WSW	17/W	13/WSW	12/NNE	14/NW	39/ESE	43/NNE	32/NE	18/ENE	13/ESE	23/SSE	36/S	45/SSW	37/SSW	31/SSW	8/SW	3/SE	16/NNE	34/NNE	25/NNE	24/NE	24	45/SSW
11/07	9/ENE	9/SSW	37/SSW	44/SSW	37/SW	23/SW	37/W	12/WNW	26/NNE	25/NNE	34/NE	17/NE	13/ENE	12/ENE	14/S	27/S	46/SSW	32/SSW	29/SSW	16/SSW	4/NNW	14/NNE	31/NNE	20/NNE	24	46/SSW
11/08	18/NE	8/ENE	16/SSW	34/SSW	37/SSW	39/SSW	23/SW	34/W	9/NNW	22/NNE	32/NE	44/NNE	26/NNE	15/E	13/E	19/SSE	26/SSW	37/SSW	38/SSW	21/SSW	15/SSW	13/NW	10/NNE	26/NNE	24	44/NNE
11/09	25/NNE	22/NNE	6/NE	14/SSW	22/SSW	35/SSW	31/SSW	22/SW	24/WNW	16/WNW	28/NNE	33/NNE	40/NNE	21/NE	15/ENE	9/ENE	15/SSW	17/SSW	20/SSW	31/SSW	12/SSW	13/NW	13/N	21/NNE	21	40/NNE
11/10	36/NNE	25/NNE	21/NNE	15/NNE	5/S	13/SSW	26/SSW	27/SSW	18/SW	23/W	9/NNW	30/NNE	42/NE	40/NNE	26/NNE	14/NNE	5/N	3/SSW	18/SSW	28/SW	26/SW	22/SSW	9/WSW	13/N	21	42/NE
11/11	3/WNW	18/NNE	35/NE	20/NE	6/ENE	5/SSW	19/SSW	38/SSW	31/SSW	30/SW	20/SW	13/NW	12/N	19/NE	31/NNE	28/NE	19/ENE	8/E	16/S	27/SSW	36/SSW	36/SSW	26/SSW	13/WSW	21	38/SSW
11/12	13/WNW	13/N	14/NNE	21/NNE	17/NE	16/NNE	6/ENE	15/SSW	39/SSW	32/SSW	26/SW	6/SW	12/WNW	10/NNE	22/NNE	29/NE	52/NNE	31/NNE	12/N	12/S	28/SSW	28/N	34/SSW	22/SW	21	52/NNE
11/13	30/WNW	10/WNW	17/NNE	22/NNE	35/NNE	33/NNE	19/NE	6/ESE	20/SSW	42/SSW	44/SSW	34/SSW	20/SW	7/SW	8/NNW	16/NE	31/NE	37/NNE	25/NE	10/ENE	18/S	29/SSW	37/SSW	35/SSW	24	44/SSW
11/14	26/N	5/SW	10/NE	23/N	28/NNE	35/NE	30/NE	24/ENE	8/ESE	23/S	32/SSW	34/SSW	31/SSW	13/SSW	19/WNW	22/NNE	30/NNE	31/NNE	40/NNE	21/NNE	9/E	20/S	34/SSW	43/SSW	24	43/SSW
11/15	32/SSW	16/SW	18/W	18/NNE	28/NNE	34/NNE	32/NNE	36/NNE	21/NE	8/ESE	27/S	31/SSW	34/SSW	34/SSW	19/SSW	4/WSW	9/N	15/N	28/NNE	33/NE	22/NE	7/SSE	25/S	38/SSW	24	38/SSW
11/16	44/SSW	36/SSW	25/WSW	23/WNW	26/NNE	7/N	39/NE	34/NNE	19/NE	15/NE	20/S	41/SSW	46/SSW	48/SSW	24/SSW	10/S	7/NE	20/NNE	13/NNE	26/NE	20/NE	13/ENE	14/S	32/SSW	25	48/SSW
11/17	45/SSW	36/SSW	27/SW	14/W	9/NE	11/N	23/NE	27/NE	29/NE	21/NE	13/N	22/S	30/S	23/SSW	8/S	6/NNE	13/NE	32/NNE	32/NE	15/NE	22/NE	14/NE	11/SE	24/S	21	45/SSW
11/18	35/SSW	23/SSW	13/SSW	9/WSW	6/ESE	14/NNE	25/N	20/NNE	21/NNE	27/NNE	21/NE	7/ESE	25/S	30/S	32/S	21/S	9/SSE	14/N	24/NNE	21/NNE	26/NNE	25/NE	15/ENE	14/SSE	20	35/SSW
11/19	34/SSW	35/SSW	32/SSW	31/SSW	13/SW	19/W	10/NNE	22/N	26/NE	27/NE	22/NE	7/E	19/S	32/S	31/SSW	28/SSW	14/SSW	6/E	16/NE	25/NNE	21/NNE	24/NNE	18/NE	10/NE	22	35/SSW
11/20	13/S	31/SSW	40/SSW	32/SSW	18/SSW	12/S	7/NW	16/NE	28/NNE	29/NNE	28/NE	22/NE	8/ESE	20/S	30/SSW	32/SSW	19/SSW	10/SSW	11/NE	23/NE	24/NNE	23/NE	25/NE	17/ENE	22	40/SSW
11/21	9/ESE	20/S	33/SSW	28/SSW	28/SSW	15/SW	14/W	26/NNE	26/NNE	28/NNE	23/NNE	26/NE	19/ENE	10/SE	19/S	20/S	15/SSW	4/SW	15/NNE	26/NNE	34/NNE	29/NNE	29/NE	22/NNE	22	34/NNE
11/22	10/ENE	11/SSE	26/SSW	35/SSW	35/SSW	24/SSW	9/SSW	8/W	12/NNE	17/NNE	27/NNE	24/NE	18/NE	9/ESE	16/S	23/S	26/SSW	22/SSW	8/S	5/SE	12/NE	15/NNE	18/NE	23/NE	18	35/SSW
11/23	24/NE	11/ENE	14/SSE	21/S	27/SSW	25/SSW	18/SW	7/W	6/NNW	7/ENE	16/NE	20/NE	32/NE	23/NE	11/ESE	14/SSE	22/SSW	26/SSW	21/SSW	14/SSW	3/SSW	5/NNW	14/NNE	21/NNE	17	32/NE
11/24	22/NNE	13/NNE	5/N	11/S	19/SSW	27/SSW	22/SSW	19/SSW	19/SSW	7/ENE	8/NE	17/NE	23/NNE	24/NE	21/NE	9/SE	13/SSE	25/SSW	20/SSW	20/SSW	15/SSW	7/SW	7/NNE	10/NE	16	27/SSW
11/25	17/NNE	26/NNE	8/E	5/SE	12/SW	13/SSW	25/SSW	24/SSW	19/SSW	21/SW	12/W	3/NNE	13/N	18/NE	28/NE	16/NE	10/SE	16/S	27/SSW	33/SSW	26/SSW	15/SSW	2/NW	5/NNE	16	33/SSW
11/26	14/NNE	13/NE	19/NE	19/NNE	2/E	6/SSW	9/SSW	21/SSW	36/SSW	25/SSW	14/SSW	6/SW	2/NW	9/N	15/NE	26/NE	12/NE	4/E	15/S	20/SSW	25/SSW	24/SSW	16/SSW	9/SW	15	36/SSW
11/27	4/NNE	9/NNW	10/NE	16/NNE	18/NE	12/ENE	12/SSE	22/SSW	27/SSW	30/SSW	21/SW	16/SSW	5/SW	8/NE	13/NE	18/NE	18/ENE	13/ENE	9/SE	19/S	24/SSW	27/SSW	23/SSW	18/SSW	16	30/SSW
11/28	14/SSW	7/ENE	10/NE	24/NNE	22/NE	20/NE	7/E	12/S	21/S	23/SSW	28/SSW	23/SSW	10/S	6/N	16/NNE	21/NE	21/NNE	26/NE	11/ENE	4/SSE	17/N	21/SSW	24/SSW	14/SSW	17	28/SSW
11/29	12/SW	6/NNE	11/NNW	17/NNE	30/NE	23/NE	20/ENE	6/ENE	13/SSE	18/S	31/SSW	21/SSW	10/S	2/N	14/NE	25/NNE	24/NE	30/NNE	26/NE	17/ENE	11/SE	21/SSW	21/SSW	29/SSW	18	31/SSW
11/30	24/SSW	4/SW	13/NW	12/NNE	20/NNE	28/NNE	23/NE	25/NE	8/E	13/S	35/S	29/SSW	27/SSW	12/SSW	2/ESE	17/NNE	18/NNE	22/NE	29/NNE	19/NE	8/E	17/S	31/SSW	33/SSW	20	35/S
平均值	23	18	19	21	20	20	20	20	21	22	24	22	23	20	20	20	20	20	20	20	19	19	19	21		
最大值	50/SSW	37/SSW	40/SSW	44/SSW	37/SSW	39/SSW	39/NE	38/SSW	39/SSW	43/NNE	44/SSW	44/NNE	46/SSW	48/S	40/SSW	45/SSW	52/NNE	37/SSW	40/NNE	36/NE	36/SSW	36/SSW	37/SSW	43/SSW		

[註 1]: 月平均流速= **20cm/s**, 最大流速= **52m/s**, 其流向爲 **NNE**(去向)。流速分佈: **<25cm/s: 67.4%,25~50cm/s: 32.4%,50~70cm/s: .3%,75~100cm/s: .0%,>100cm/s: .0%**。

[註 2]: 流向分佈: **N~E: 45.1%,E~S: 9.3%,S~W: 38.9%,W~N: 6.7%**, 流向主軸:**SSW-NNE**(佔 **44.3%**), 主流向:**SSW**(佔 **26.0%**)。每小時記錄一次, 本月計 **720**筆 **(100%)**, 資料檔名:**C09BPTX0.1HA**。

第四章 2009年各港逐時海流月歷線圖

(逐時觀測海流歷線圖)

(逐時純潮流歷線圖)

(逐時非潮流歷線圖)

(48時向量平均海流歷線圖)

(基隆港)

(臺北港)

(臺中港)

(安平港)

(高雄港)

(花蓮港)

(蘇澳港)

(布袋港)

4.1　2009年基隆港逐時海流月歷線圖
(逐時觀測海流歷線圖)
(逐時純潮流歷線圖)
(逐時非潮流歷線圖)
(48時向量平均海流歷線圖)

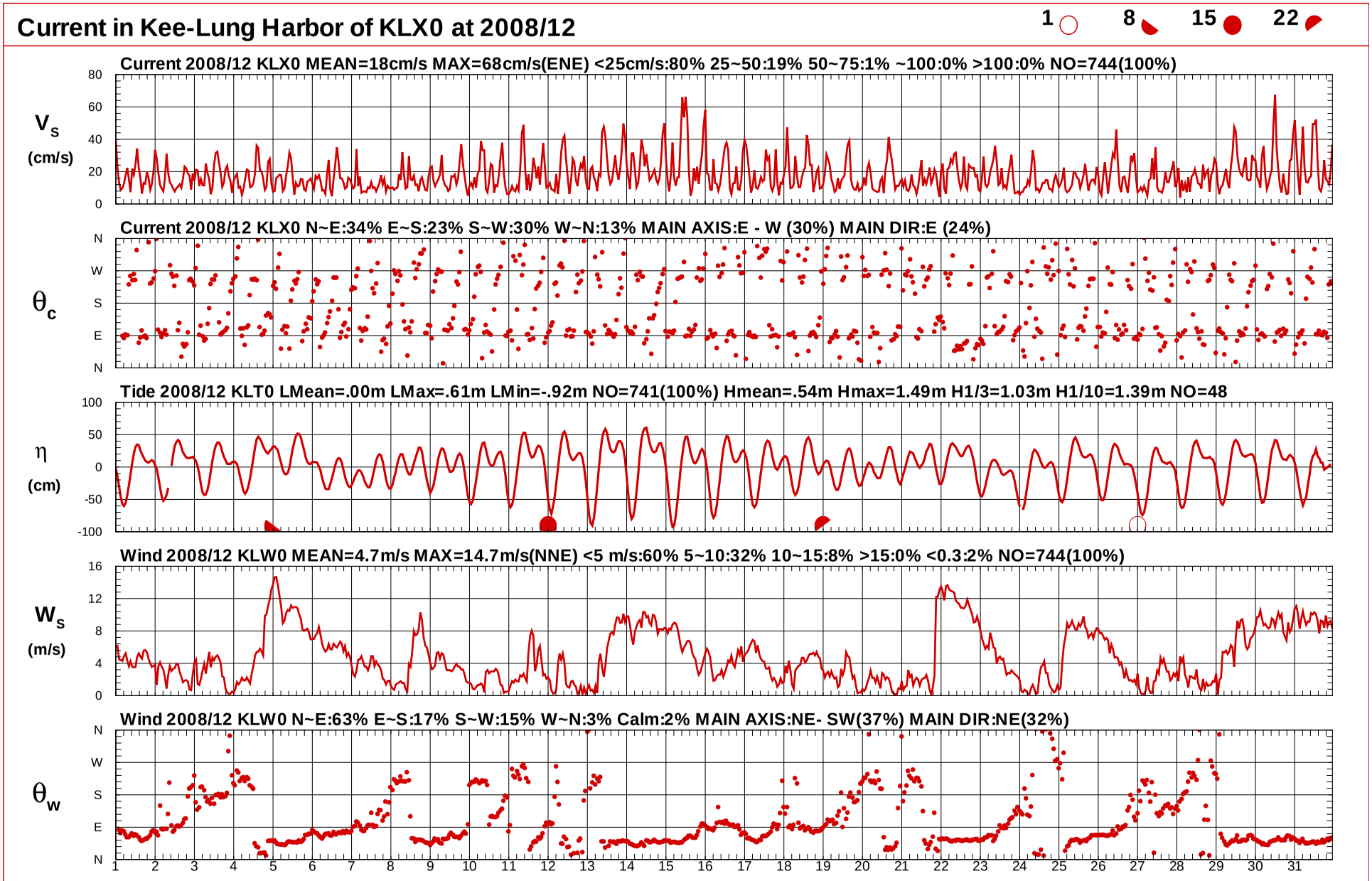


圖 4.1.1　2008年12月基隆港測站 X 海流 (潮位及風) 歷線圖

C08CKLX0.1HA　T08CKLT0.1HA　W08CKLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/09

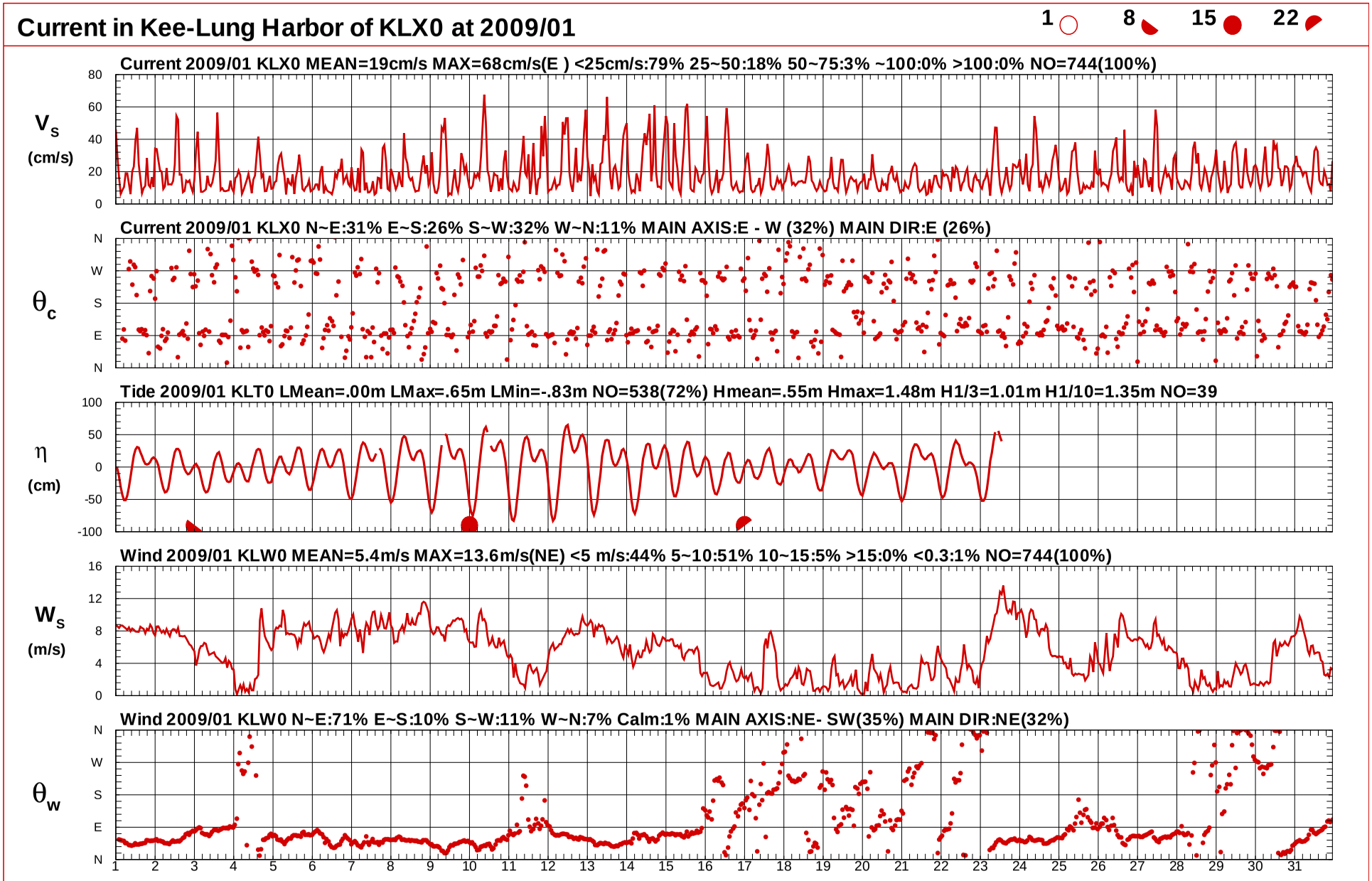


圖 4.1.2 2009年 1 月基隆港測站 X 海流 (潮位及風) 歷線圖

C091KLX0.1HA T091KLT0.1HA W091KLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/09

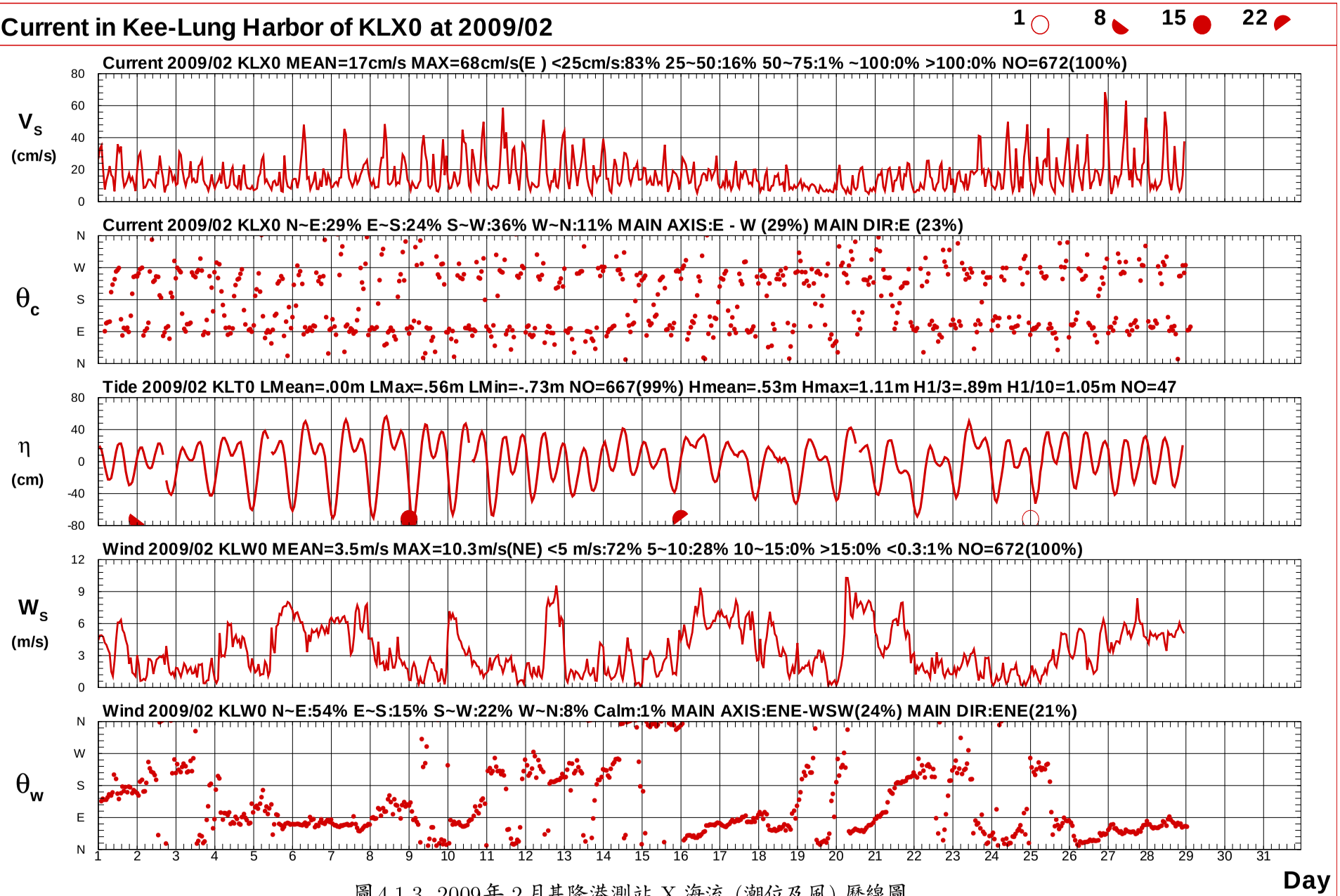


圖 4.1.3 2009年 2月基隆港測站 X 海流 (潮位及風) 歷線圖

C092KLX0.1HA T092KLT0.1HA W092KLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/09

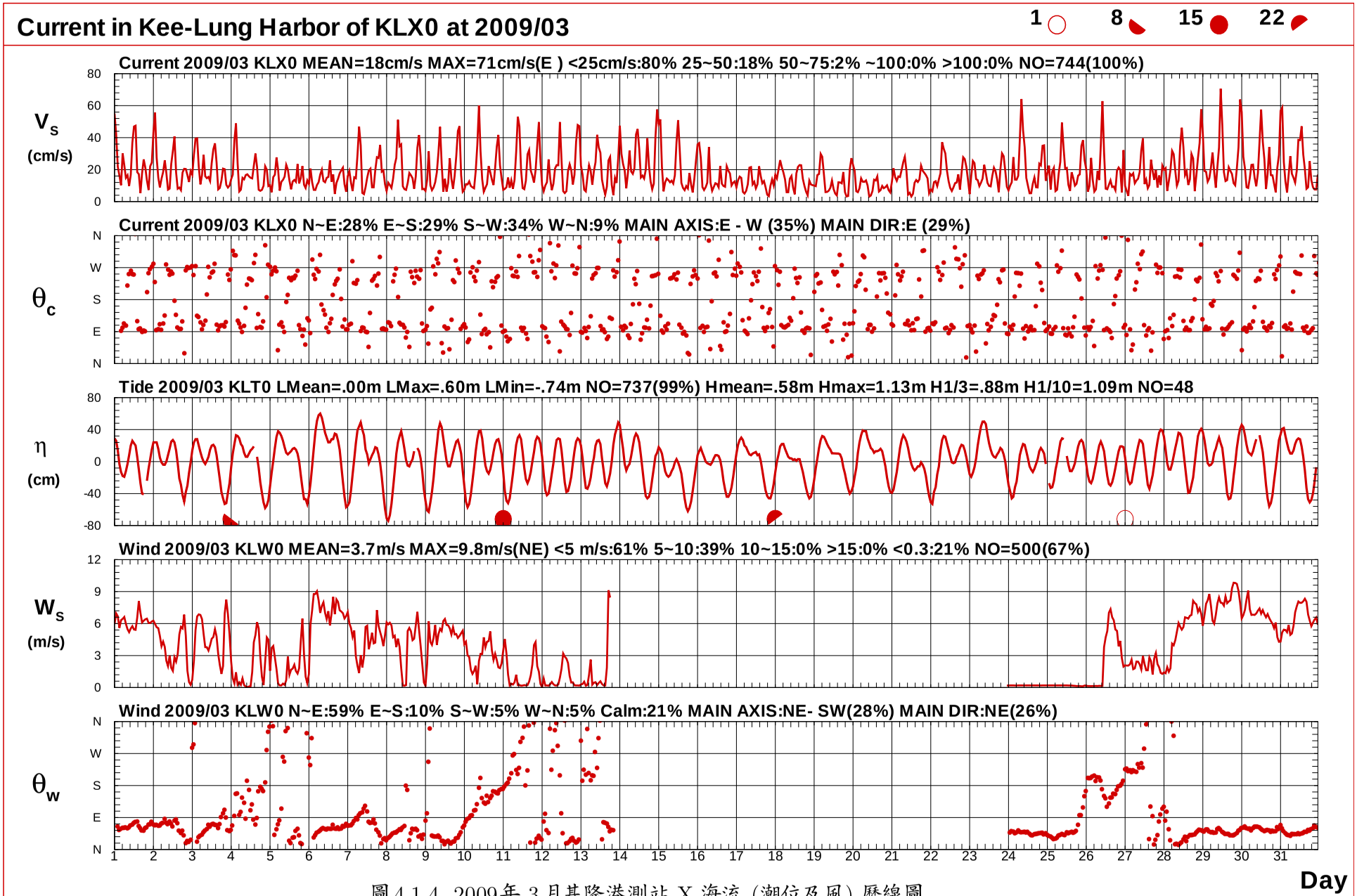


圖 4.1.4 2009年 3 月基隆港測站 X 海流 (潮位及風) 歷線圖

C093KLX0.1HA T093KLT0.1HA W093KLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/09

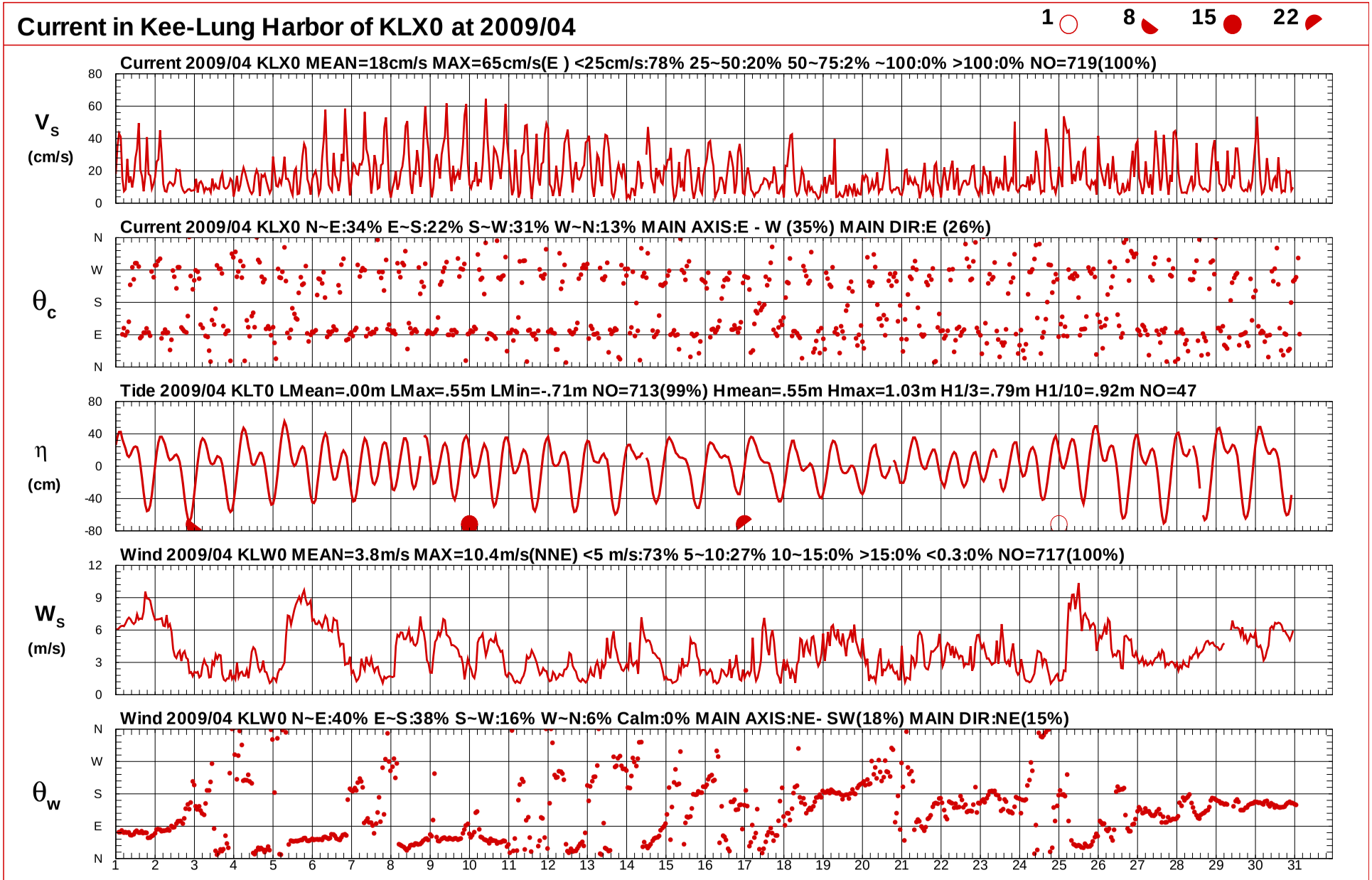


圖 4.1.5 2009年 4 月基隆港測站 X 海流 (潮位及風) 歷線圖

C094KLX0.1HA T094KLT0.1HA W094KLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/09

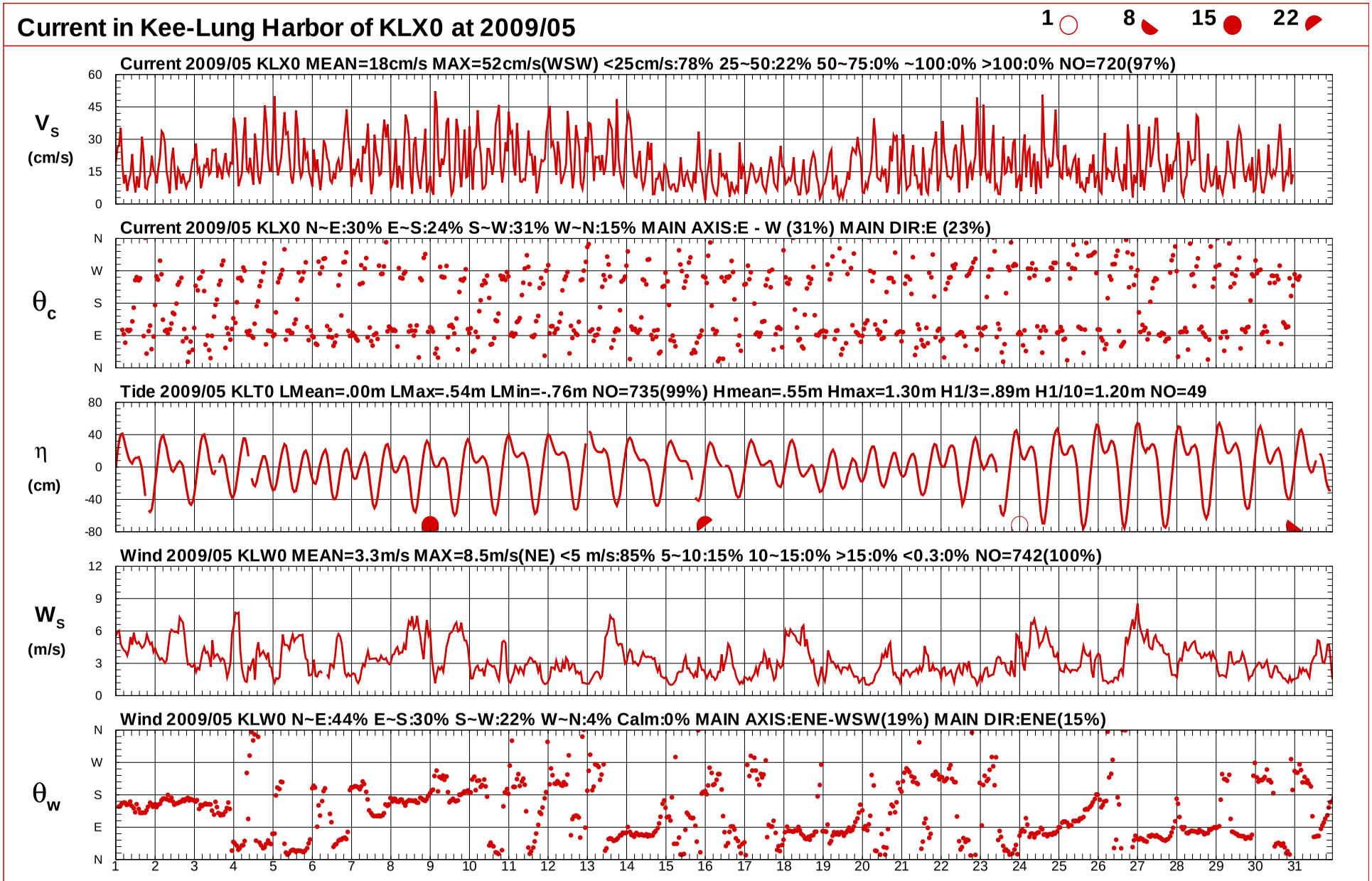


圖 4.1.6 2009年 5 月基隆港測站 X 海流 (潮位及風) 歷線圖

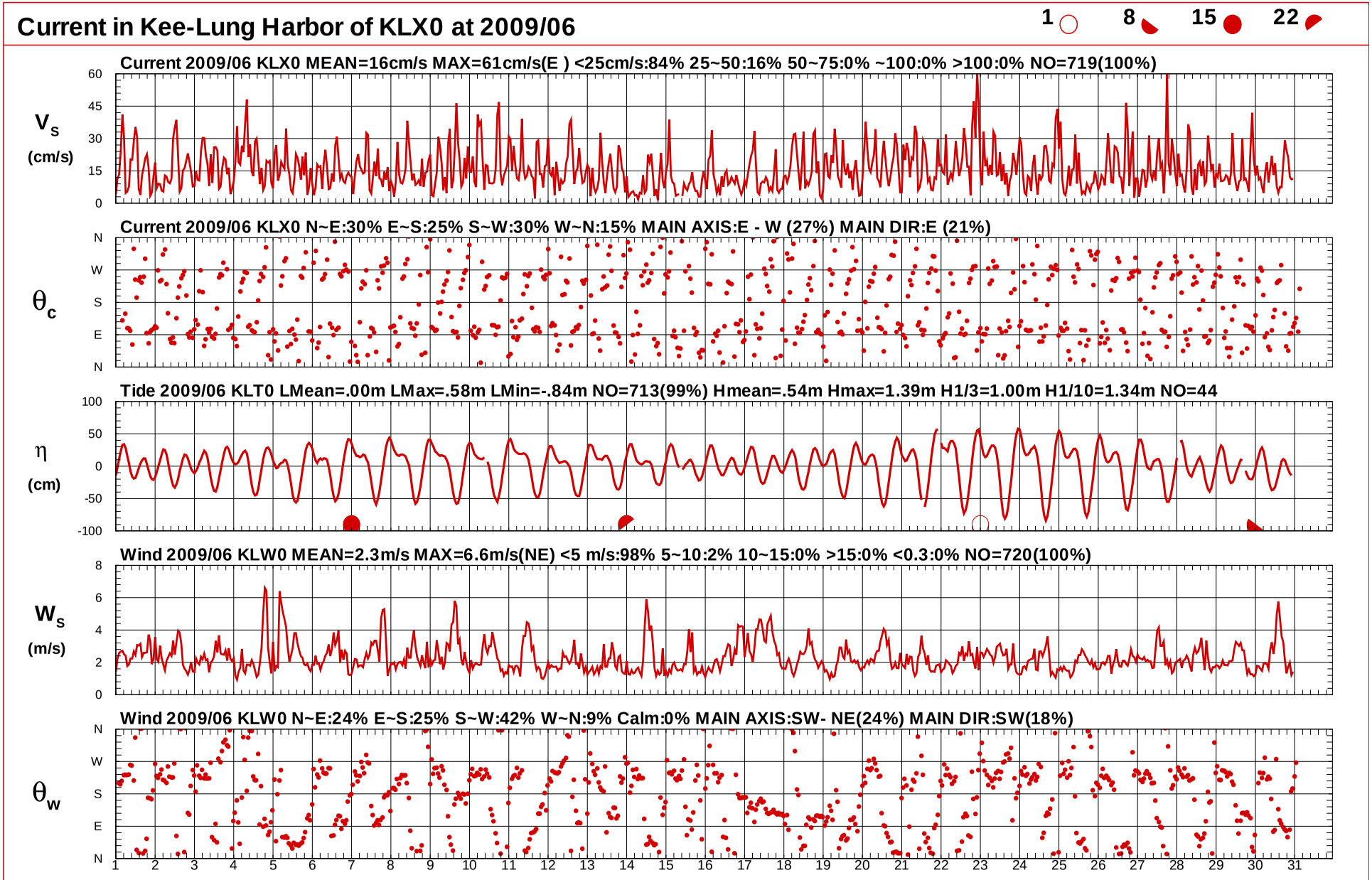


圖 4.1.7 2009年 6 月基隆港測站 X 海流 (潮位及風) 歷線圖

C096KLX0.1HA T096KLT0.1HA W096KLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/09

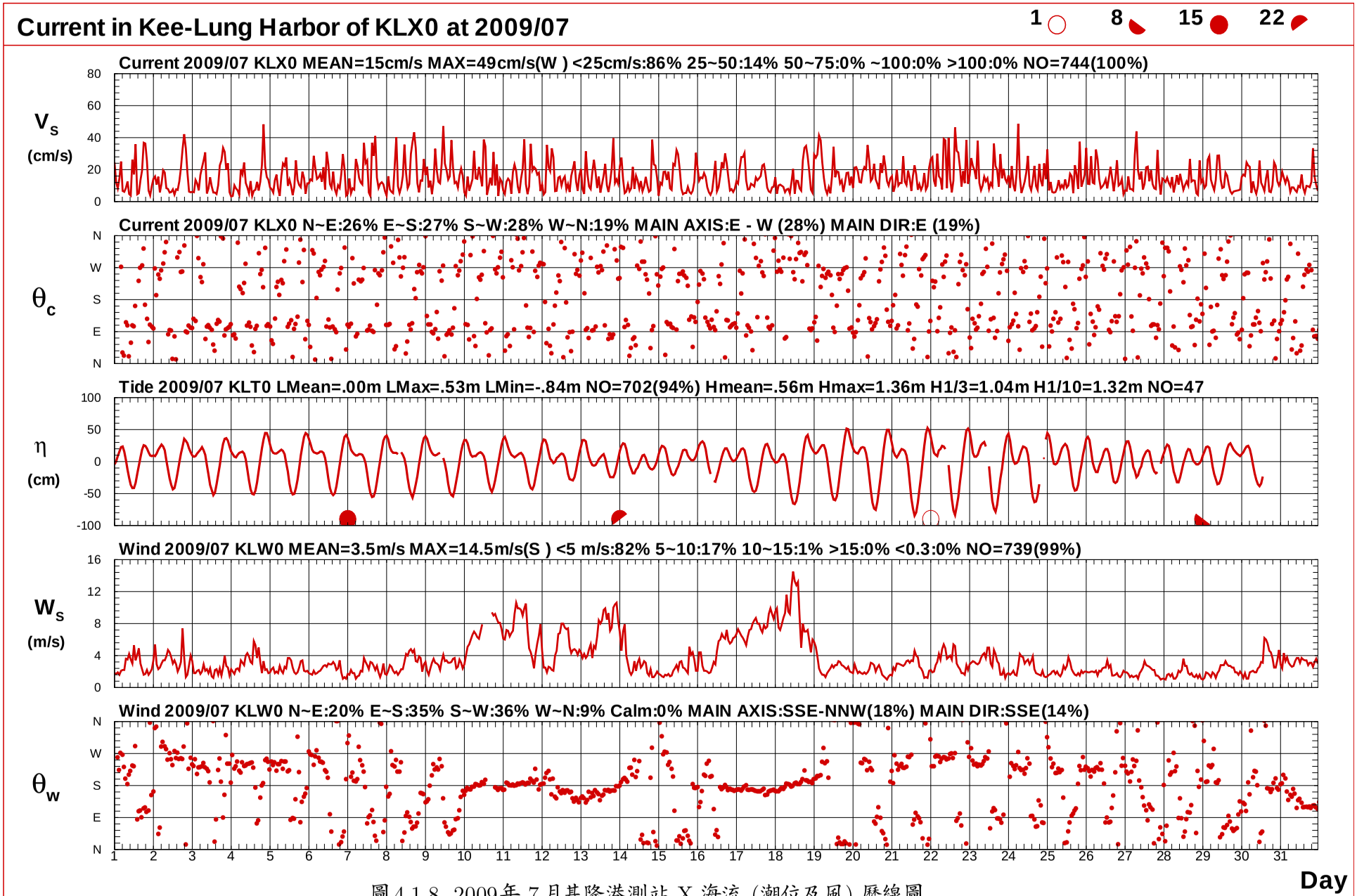


圖 4.1.8 2009年 7月基隆港測站 X 海流 (潮位及風) 歷線圖

C097KLX0.1HA T097KLT0.1HA W097KLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/09

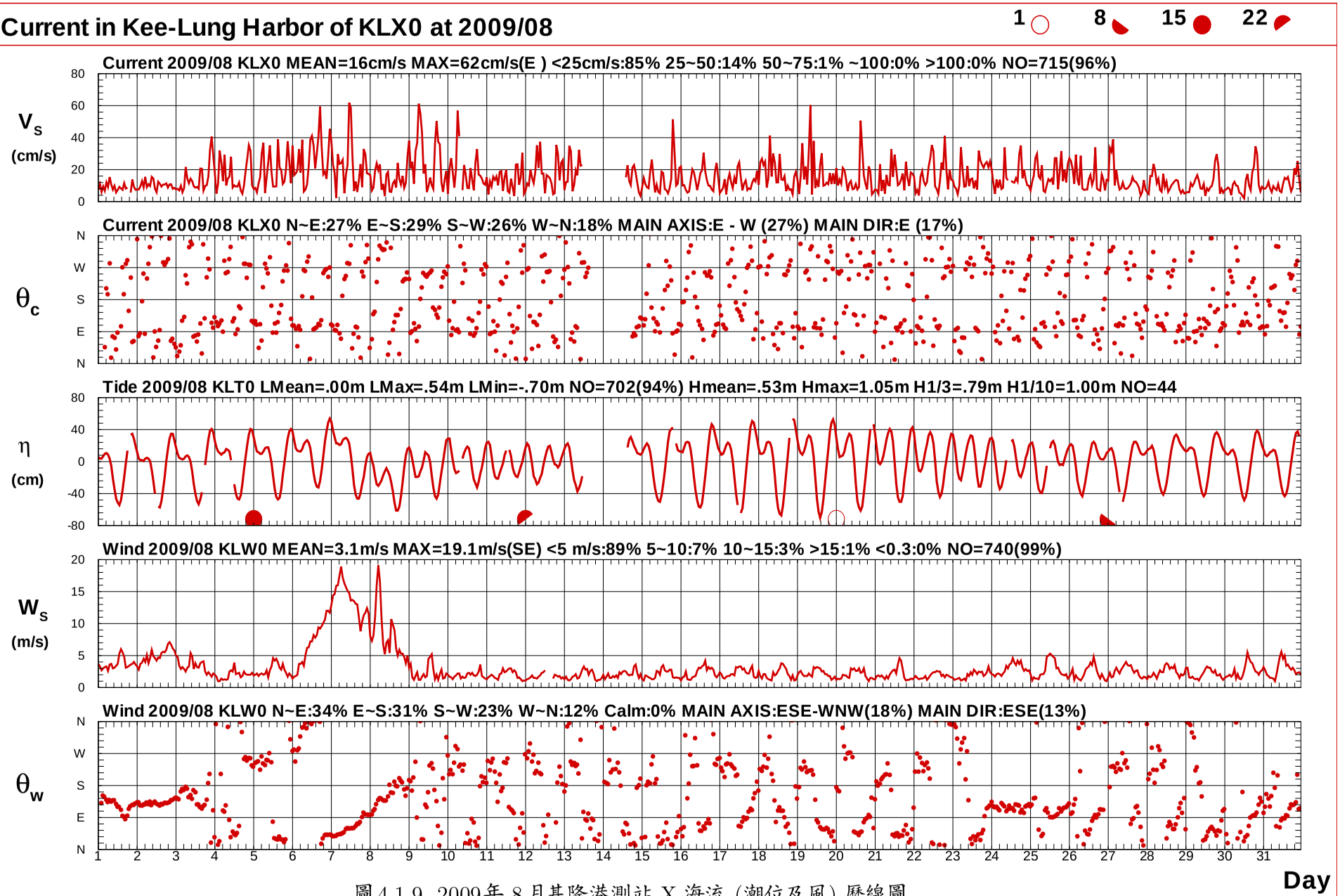


圖 4.1.9 2009年 8 月基隆港測站 X 海流 (潮位及風) 歷線圖

C098KLX0.1HA T098KLT0.1HA W098KLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/09

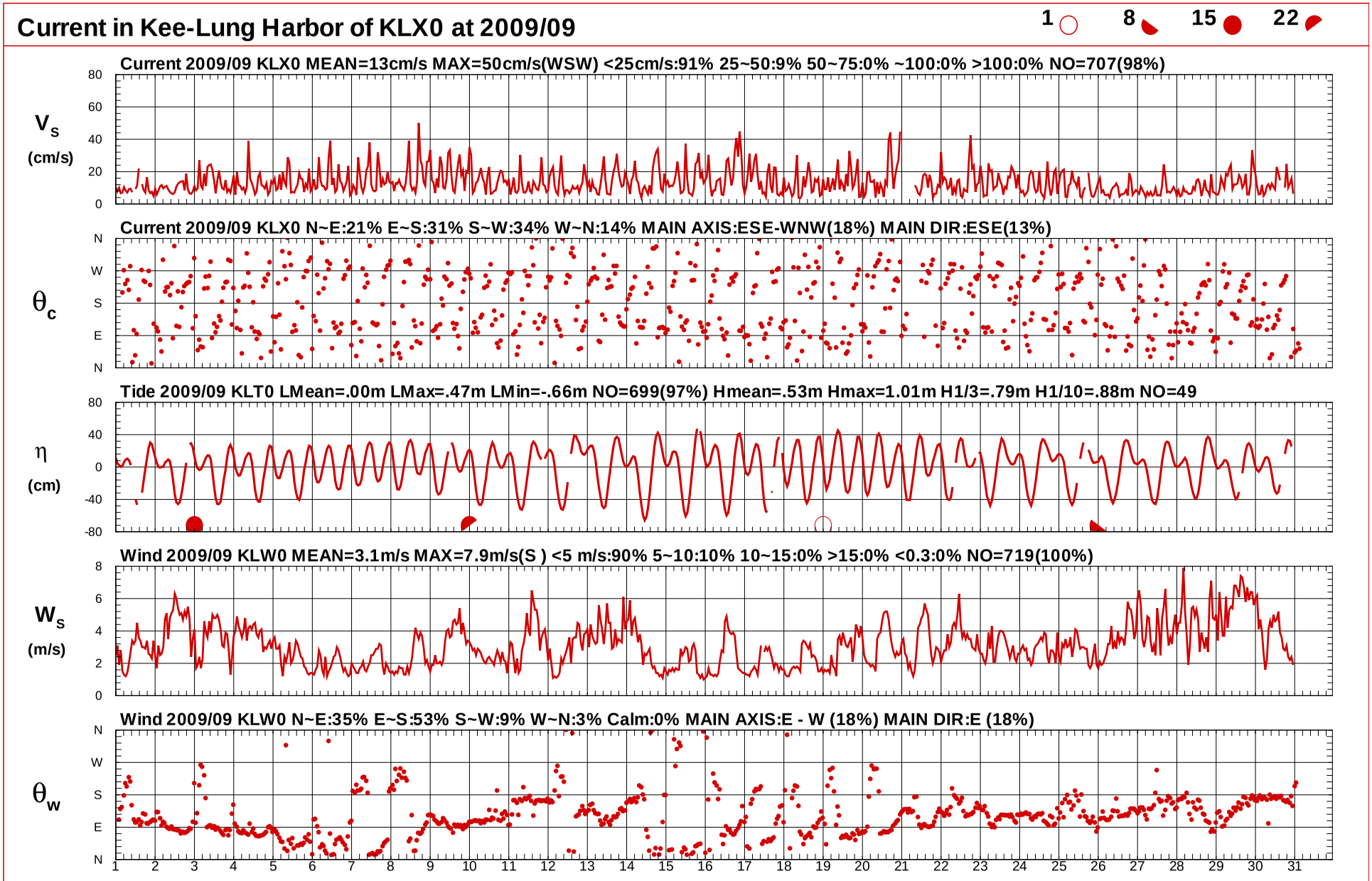


圖4.1.10 2009年 9月基隆港測站 X 海流 (潮位及風) 歷線圖

C099KLX0.1HA T099KLT0.1HA W099KLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/09

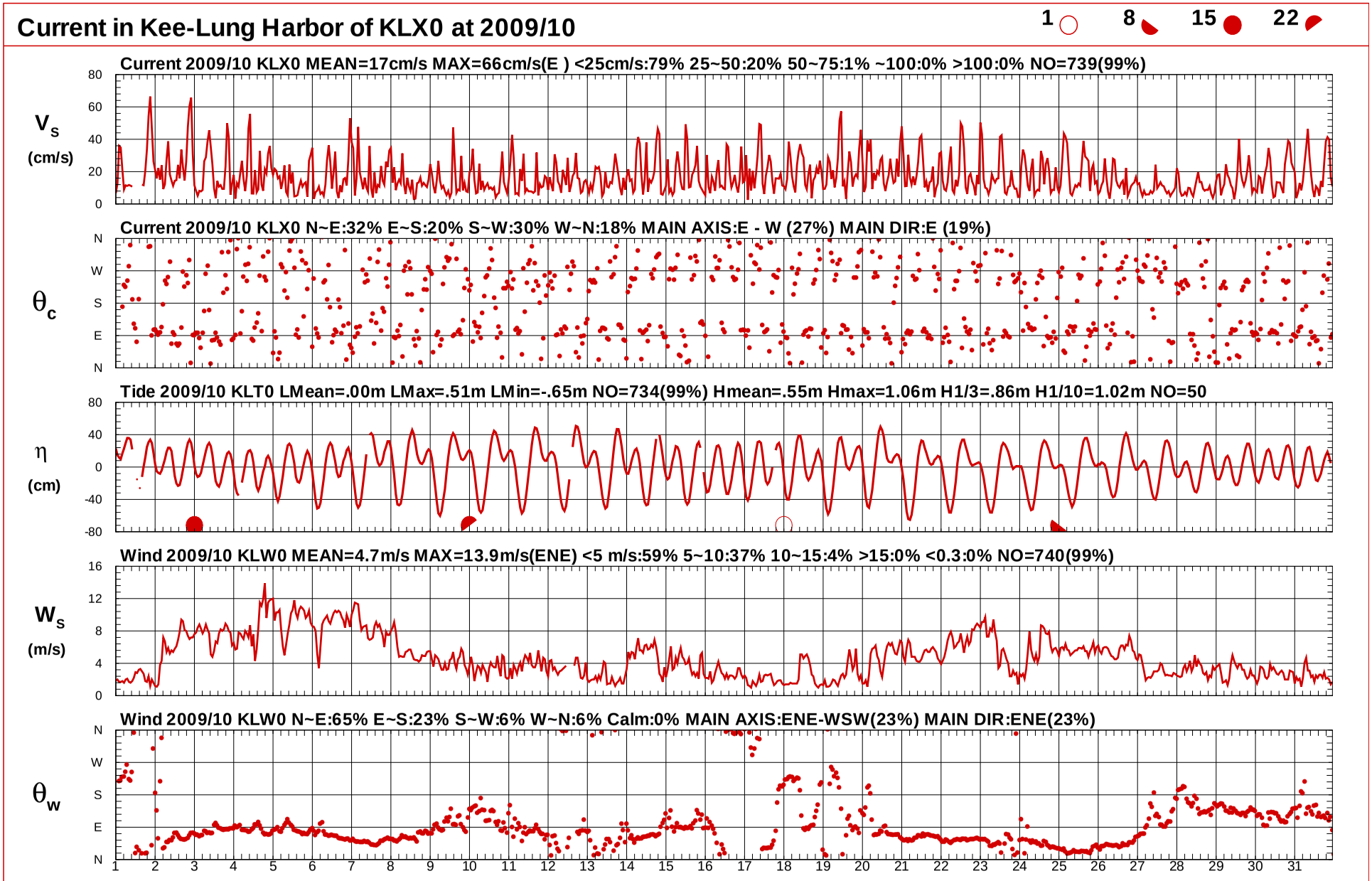


圖 4.1.11　2009年10月基隆港測站 X 海流 (潮位及風) 歷線圖

C09AKLX0.1HA　T09AKLT0.1HA　W09AKLW0.1HA

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CURC1X.BAT(CURC1XH.DAT)

2010/11/09

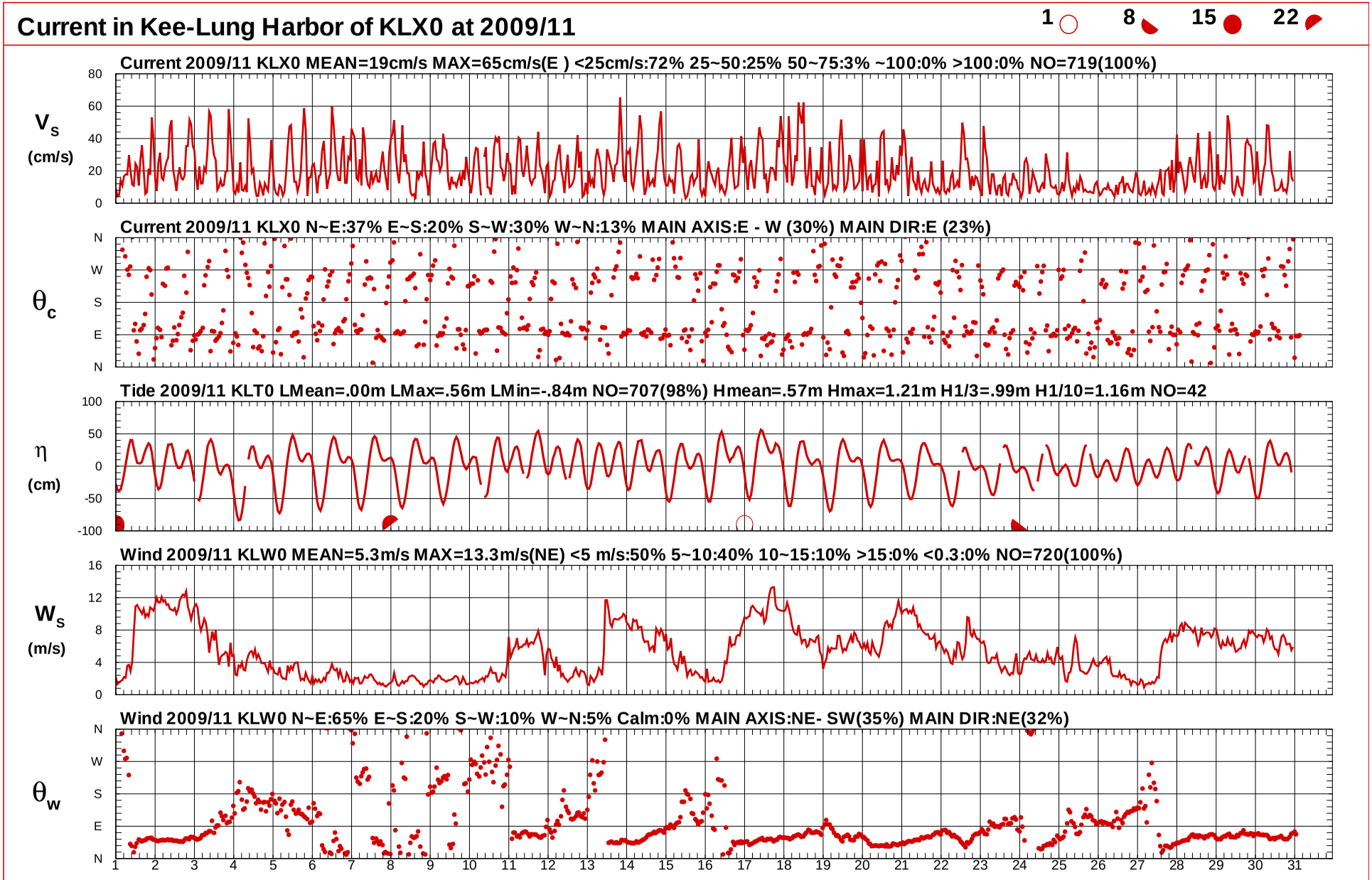


圖 4.1.12　2009年11月基隆港測站 X 海流 (潮位及風) 歷線圖

C09BKLX0.1HA　T09BKLT0.1HA　W09BKLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/09

Current Speed in Kee-Lung Harbor of KLX0 at 2009

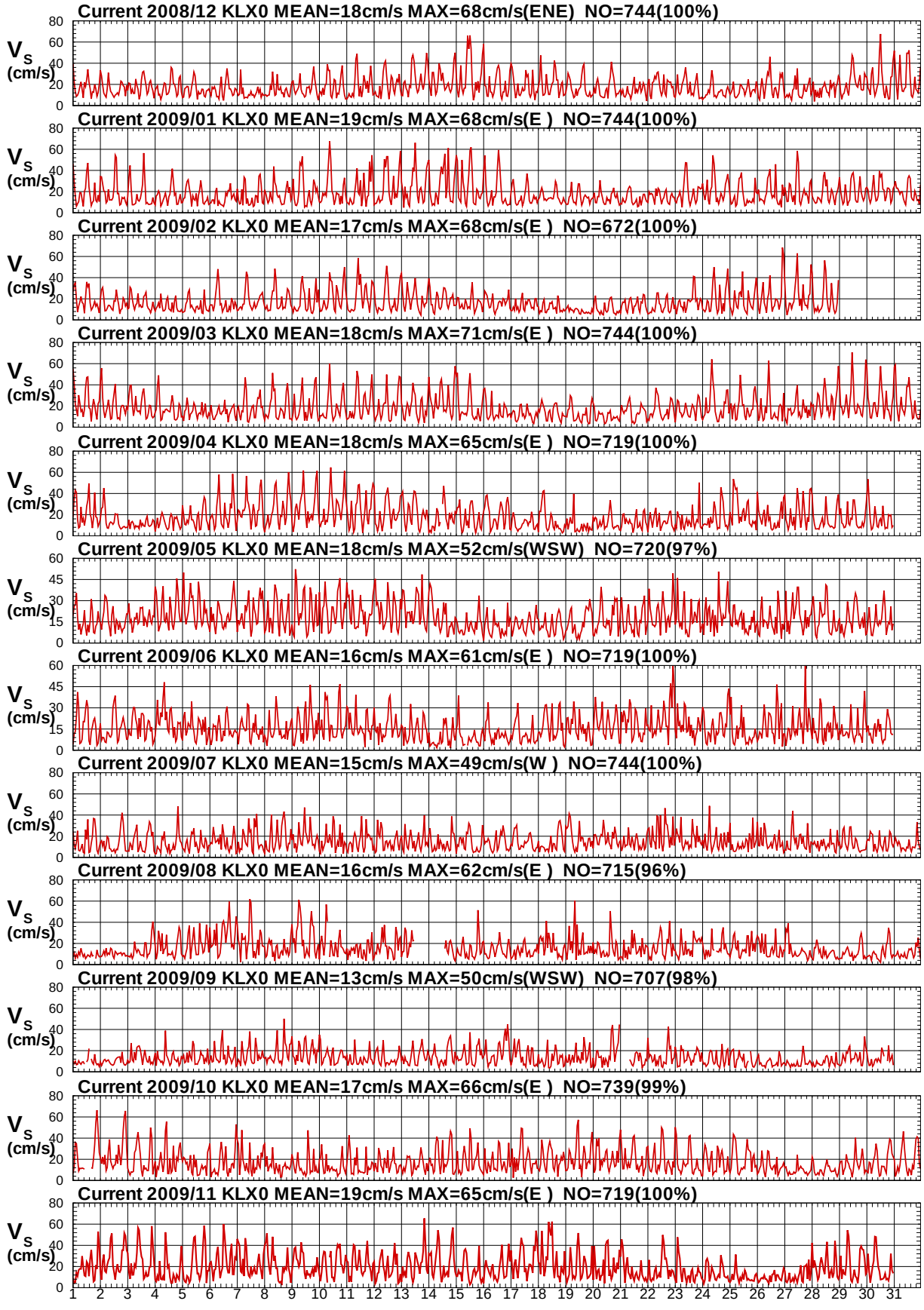


圖 4.1.13　2009年基隆港測站 X 觀測流速歷線圖

C08CKLX0.1HA C091KLX0.1HA C092KLX0.1HA C093KLX0.1HA C094KLX0.1HA C095KLX0.1HA
C096KLX0.1HA C097KLX0.1HA C098KLX0.1HA C099KLX0.1HA C09AKLX0.1HA C09BKLX0.1HA

Institute of Harbor & Marine Technology

Current Direction in Kee-Lung Harbor of KLX0 at 2009

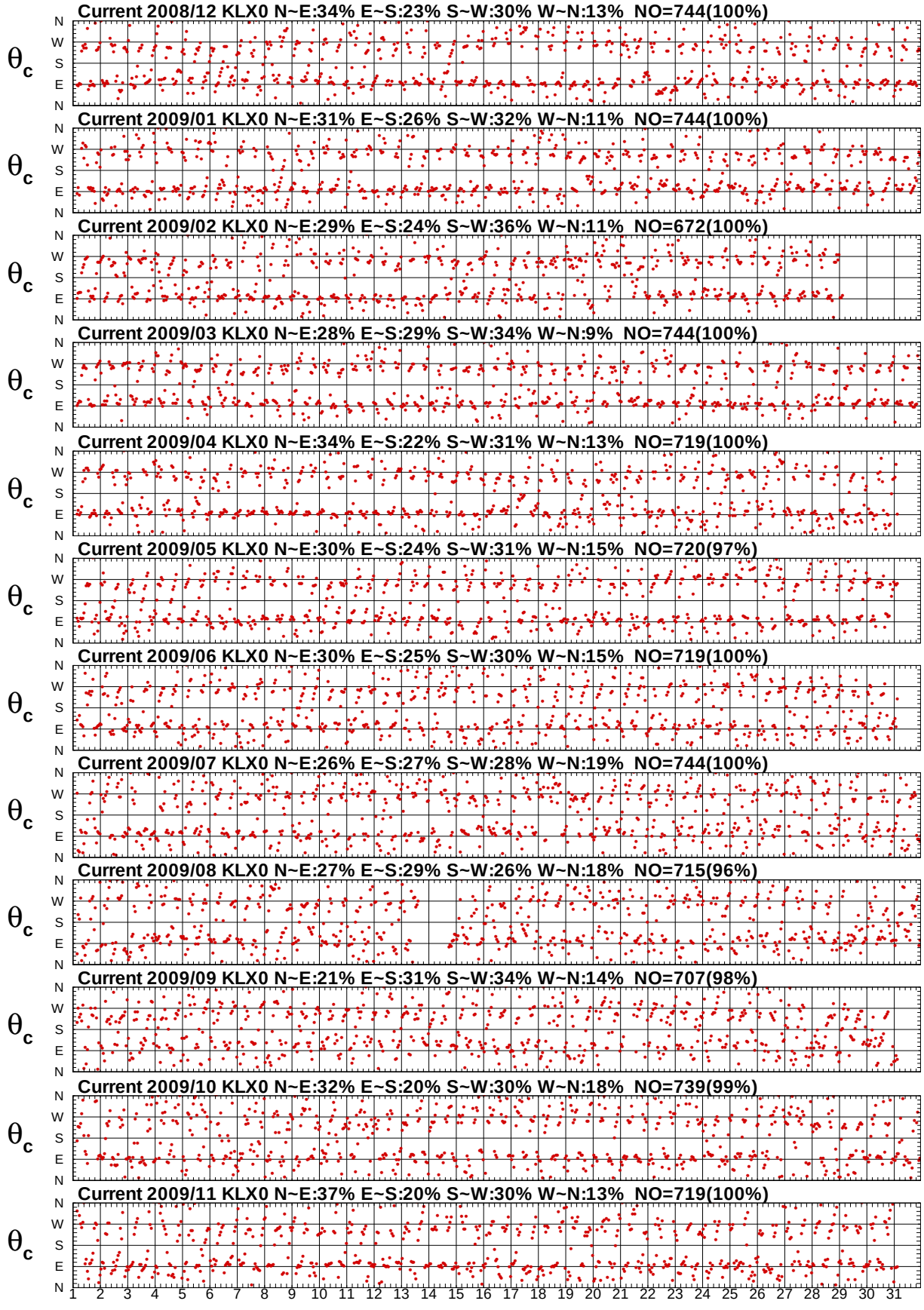


圖 4.1.14　2009年基隆港測站 X 觀測流向歷線圖

C08CKLX0.1HA C091KLX0.1HA C092KLX0.1HA C093KLX0.1HA C094KLX0.1HA C095KLX0.1HA
C096KLX0.1HA C097KLX0.1HA C098KLX0.1HA C099KLX0.1HA C09AKLX0.1HA C09BKLX0.1HA

Institute of Harbor & Marine Technology

Current Vector in Kee-Lung Harbor of KLX0 at 2009

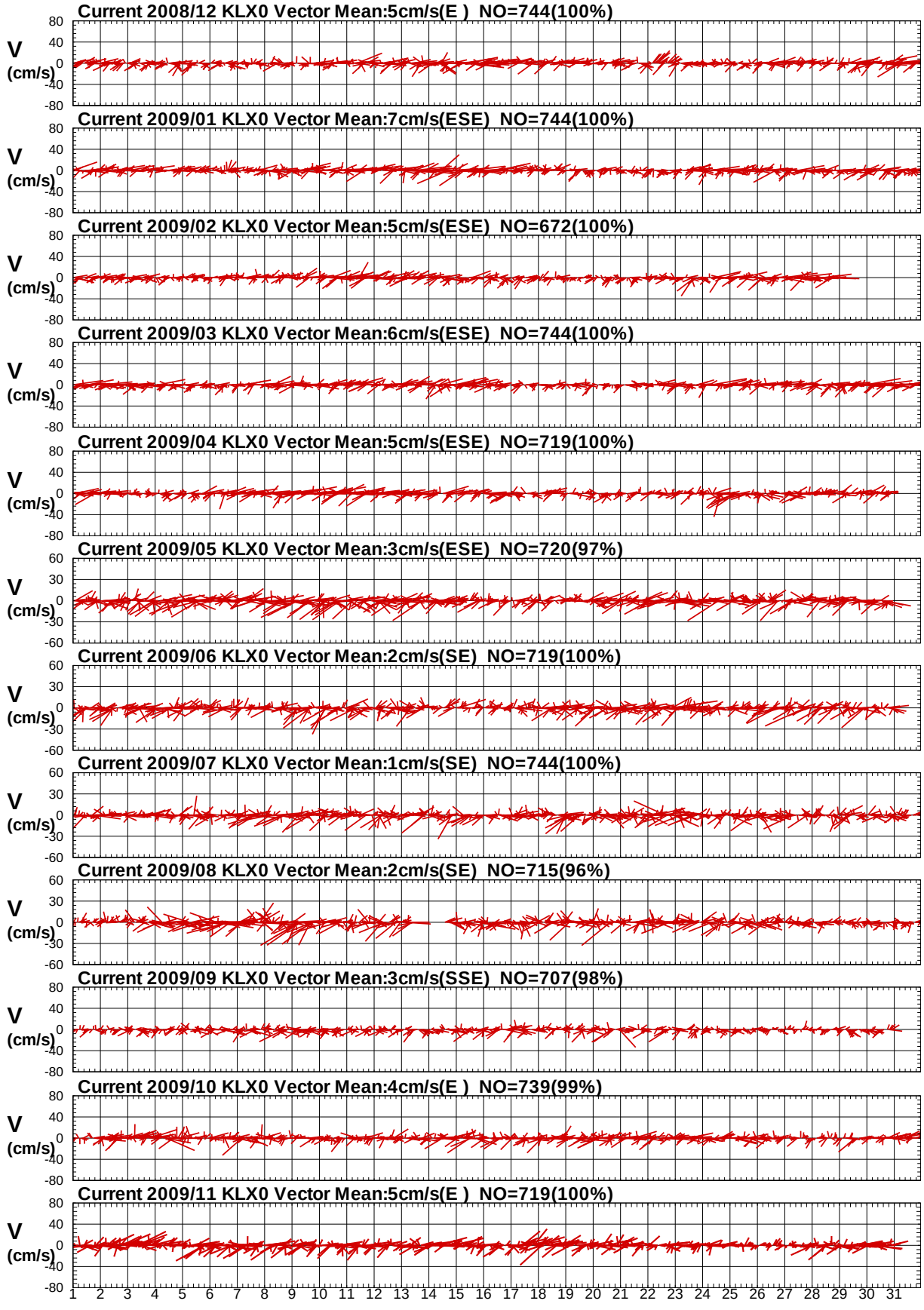


圖4.1.15　2009年基隆港測站 X 觀測流矢圖

C08CKLX0.1HA C091KLX0.1HA C092KLX0.1HA C093KLX0.1HA C094KLX0.1HA C095KLX0.1HA
C096KLX0.1HA C097KLX0.1HA C098KLX0.1HA C099KLX0.1HA C09AKLX0.1HA C09BKLX0.1HA

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Current Speed in Kee-Lung Harbor of Cal. at 2009

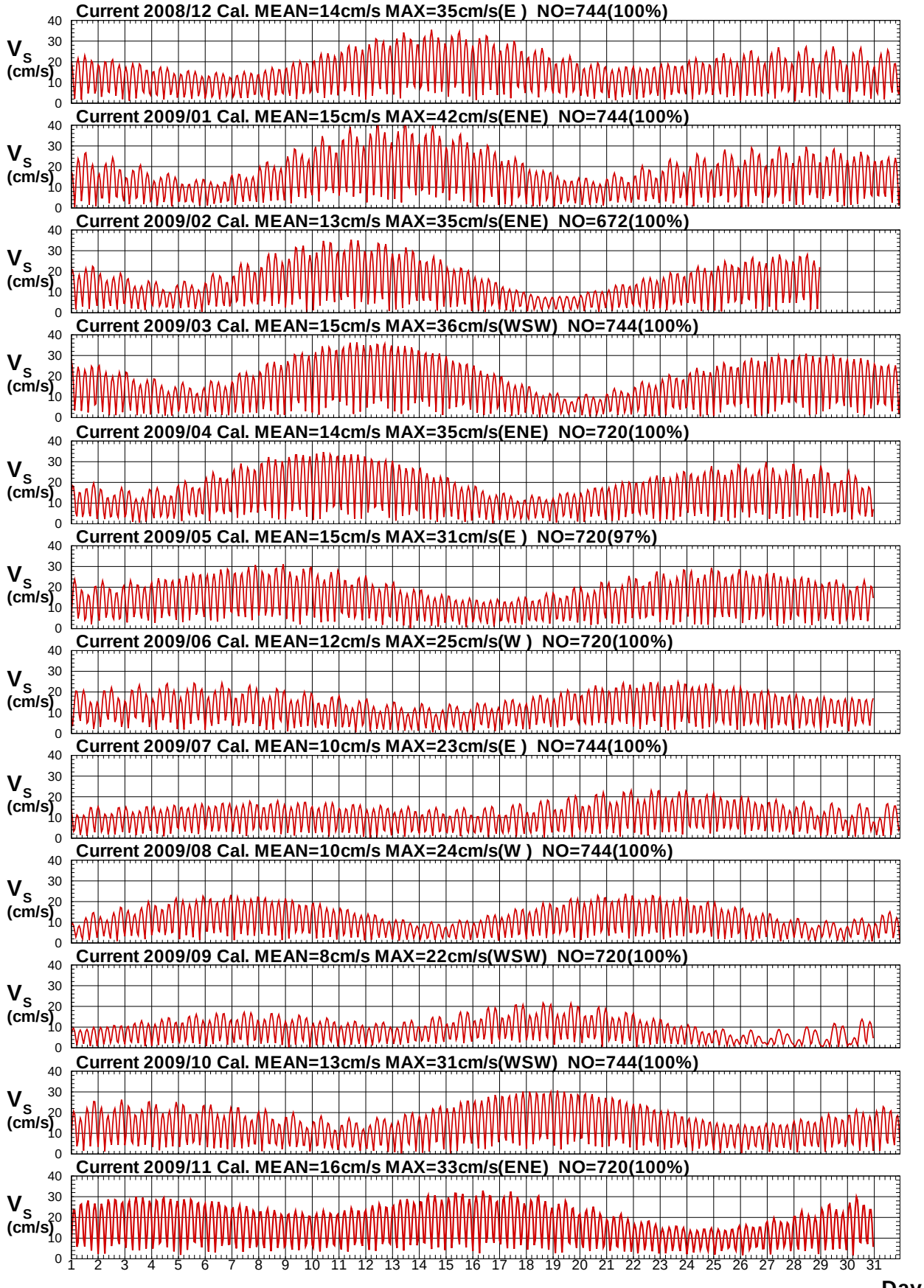


圖 4.1.16　2009年基隆港測站 X 潮流流速歷線圖

C08CKLX0.1HC C091KLX0.1HC C092KLX0.1HC C093KLX0.1HC C094KLX0.1HC C095KLX0.1HC
C096KLX0.1HC C097KLX0.1HC C098KLX0.1HC C099KLX0.1HC C09AKLX0.1HC C09BKLX0.1HC

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Current Direction in Kee-Lung Harbor of Cal. at 2009

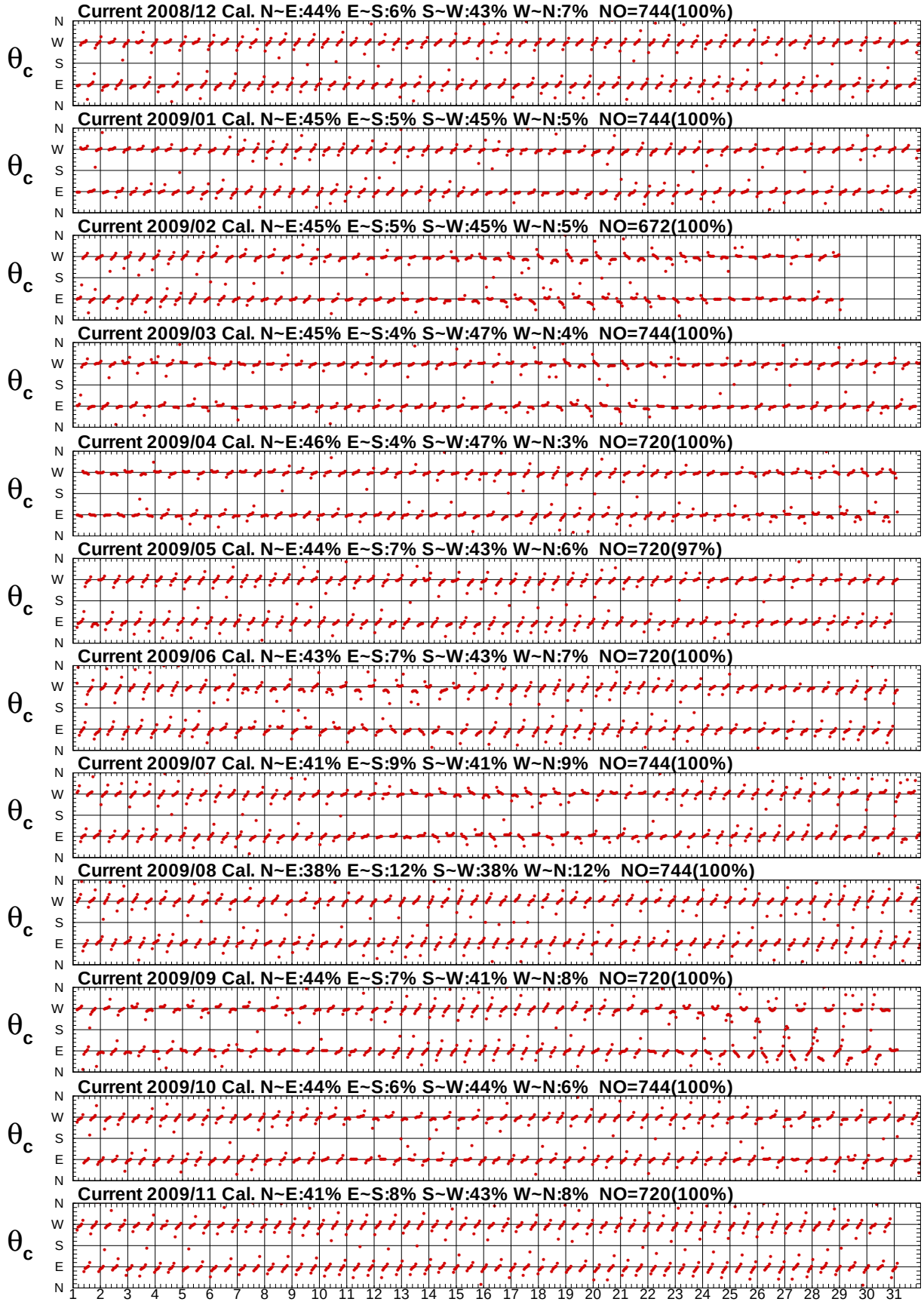


圖 4.1.17　2009年基隆港測站 X 潮流流向歷線圖

C08CKLX0.1HC C091KLX0.1HC C092KLX0.1HC C093KLX0.1HC C094KLX0.1HC C095KLX0.1HC
C096KLX0.1HC C097KLX0.1HC C098KLX0.1HC C099KLX0.1HC C09AKLX0.1HC C09BKLX0.1HC

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Current Vector in Kee-Lung Harbor of Cal. at 2009

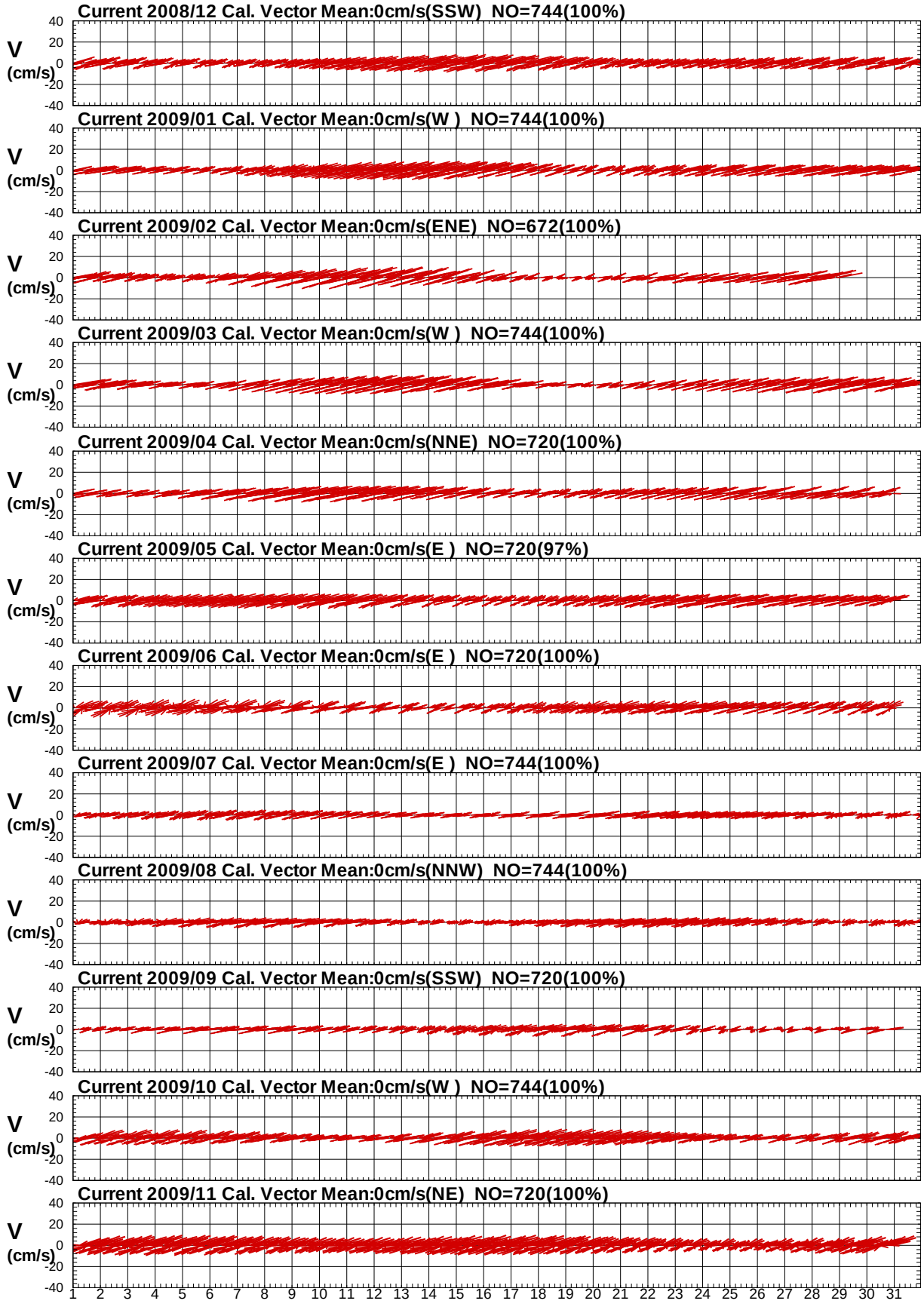


圖4.1.18　2009年基隆港測站 X 潮流流矢圖

C08CKLX0.1HC C091KLX0.1HC C092KLX0.1HC C093KLX0.1HC C094KLX0.1HC C095KLX0.1HC
C096KLX0.1HC C097KLX0.1HC C098KLX0.1HC C099KLX0.1HC C09AKLX0.1HC C09BKLX0.1HC

Institute of Harbor & Marine Technology

Current Speed in Kee-Lung Harbor of KLX0 at 2009

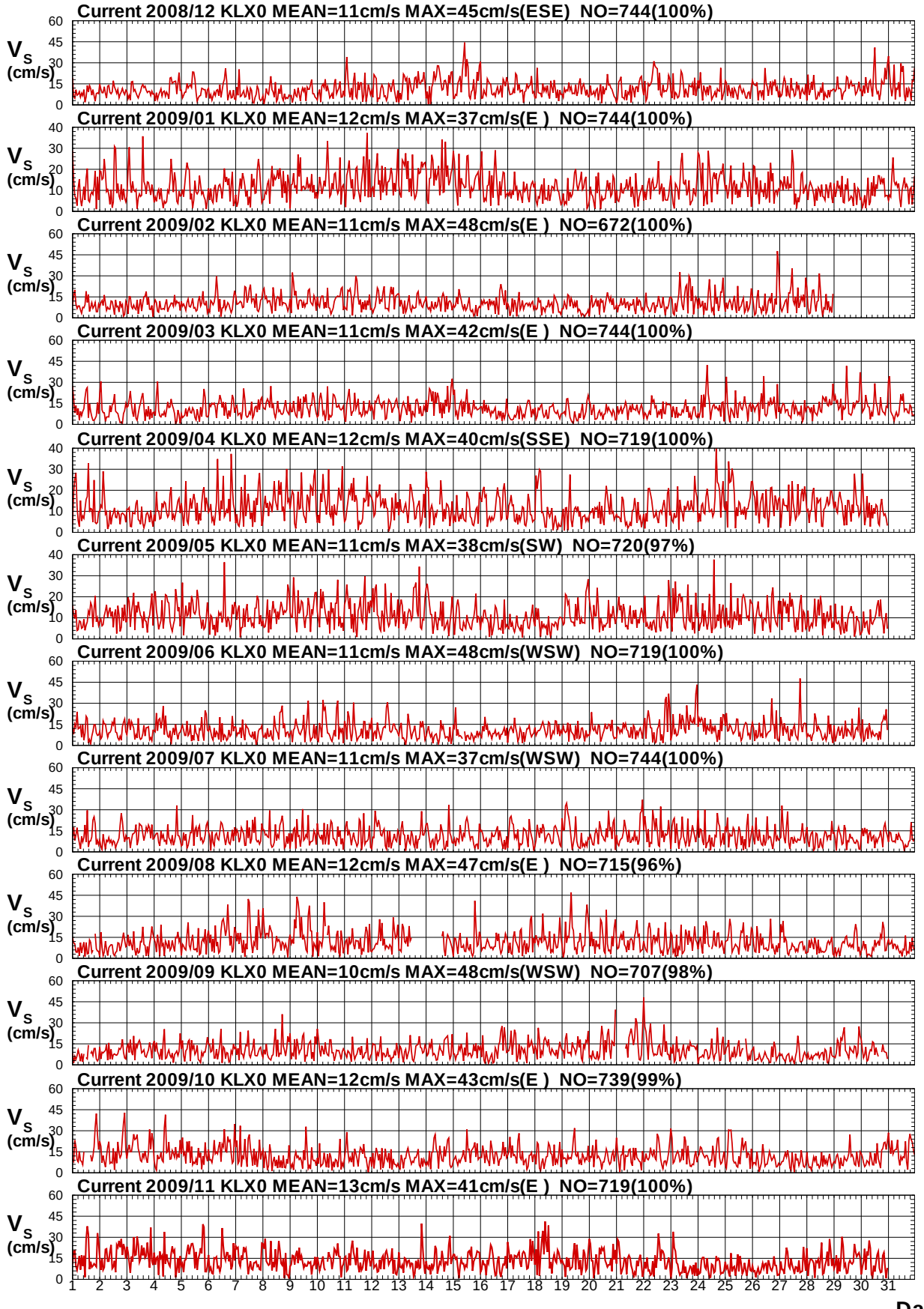


圖 4.1.19　2009年基隆港測站 X 非潮流速歷線圖

C08CKLX0.1HR C091KLX0.1HR C092KLX0.1HR C093KLX0.1HR C094KLX0.1HR C095KLX0.1HR
C096KLX0.1HR C097KLX0.1HR C098KLX0.1HR C099KLX0.1HR C09AKLX0.1HR C09BKLX0.1HR

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Current Direction in Kee-Lung Harbor of KLX0 at 2009

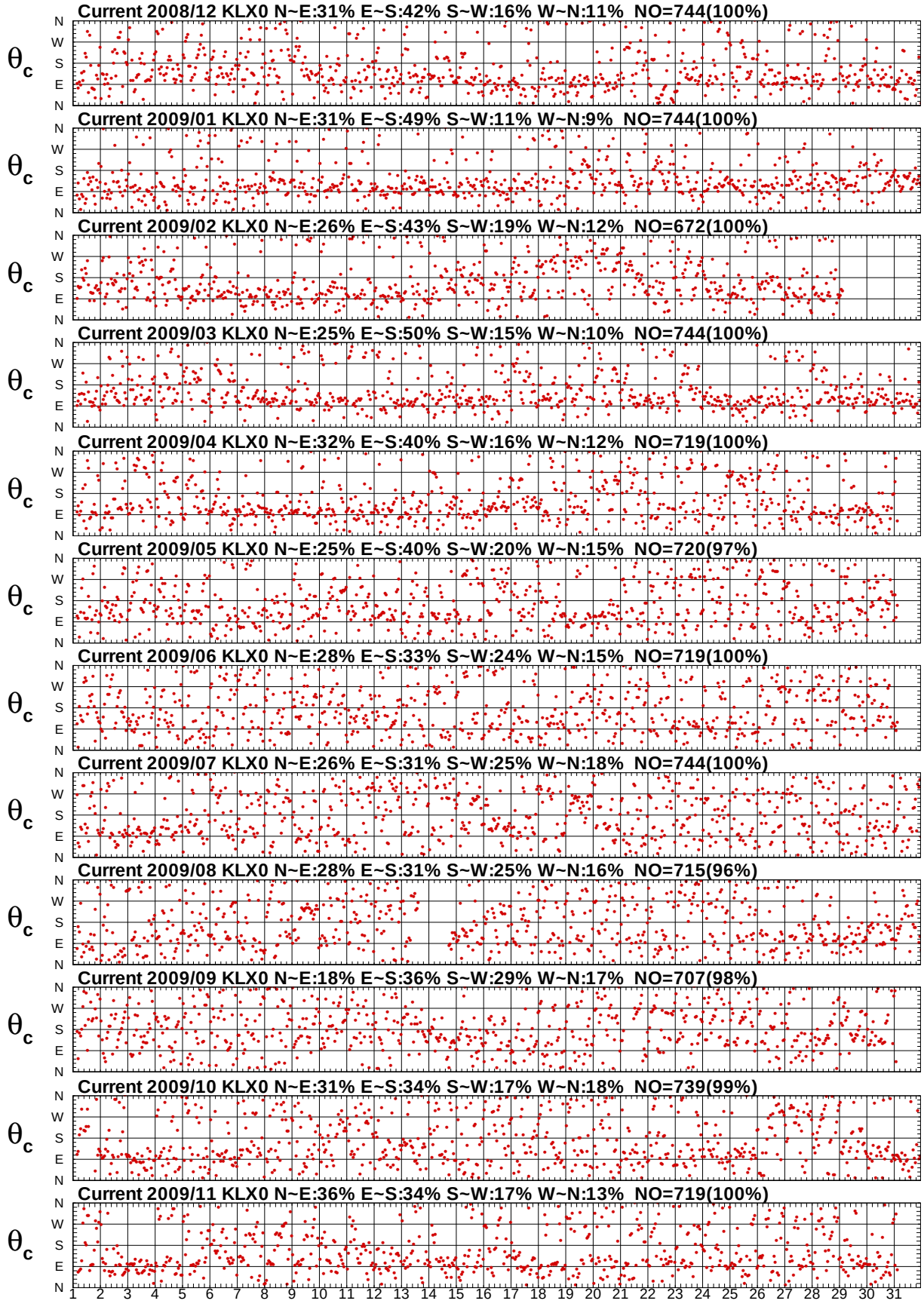


圖 4.1.20　2009年基隆港測站 X 非潮流向歷線圖

C08CKLX0.1HR C091KLX0.1HR C092KLX0.1HR C093KLX0.1HR C094KLX0.1HR C095KLX0.1HR
C096KLX0.1HR C097KLX0.1HR C098KLX0.1HR C099KLX0.1HR C09AKLX0.1HR C09BKLX0.1HR

Institute of Harbor & Marine Technology

Current Vector in Kee-Lung Harbor of KLX0 at 2009

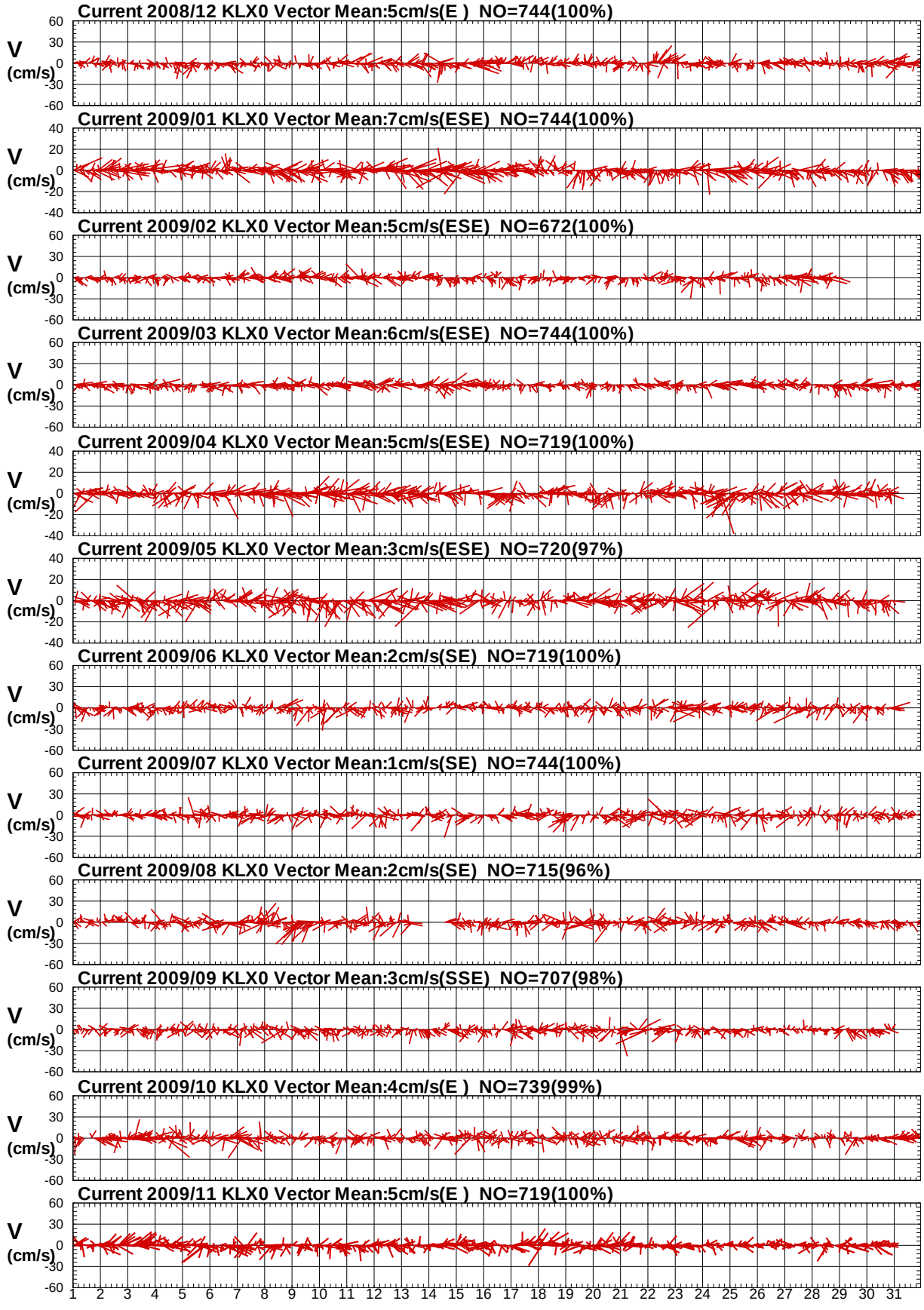


圖 4.1.21　2009年基隆港測站 X 非潮流矢圖

C08CKLX0.1HR C091KLX0.1HR C092KLX0.1HR C093KLX0.1HR C094KLX0.1HR C095KLX0.1HR
C096KLX0.1HR C097KLX0.1HR C098KLX0.1HR C099KLX0.1HR C09AKLX0.1HR C09BKLX0.1HR

Institute of Harbor & Marine Technology

Current Speed in Kee-Lung Harbor of KLX0 at 2009

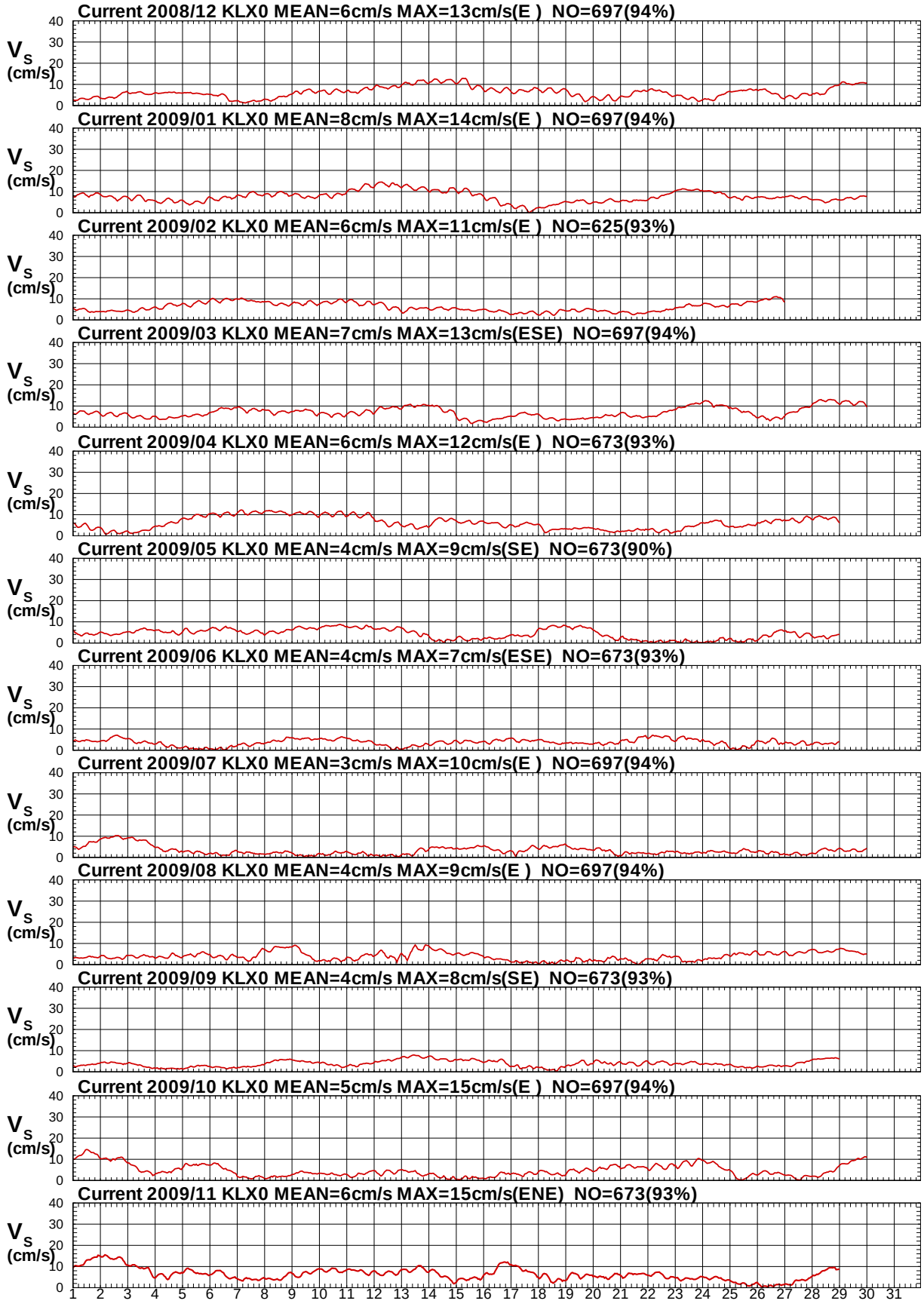


圖 4.1.22　2009年基隆港 X 站48時平均流速歷線圖

C08CKLX0.48H C091KLX0.48H C092KLX0.48H C093KLX0.48H C094KLX0.48H C095KLX0.48H
C096KLX0.48H C097KLX0.48H C098KLX0.48H C099KLX0.48H C09AKLX0.48H C09BKLX0.48H

Institute of Harbor & Marine Technology

Current Direction in Kee-Lung Harbor of KLX0 at 2009

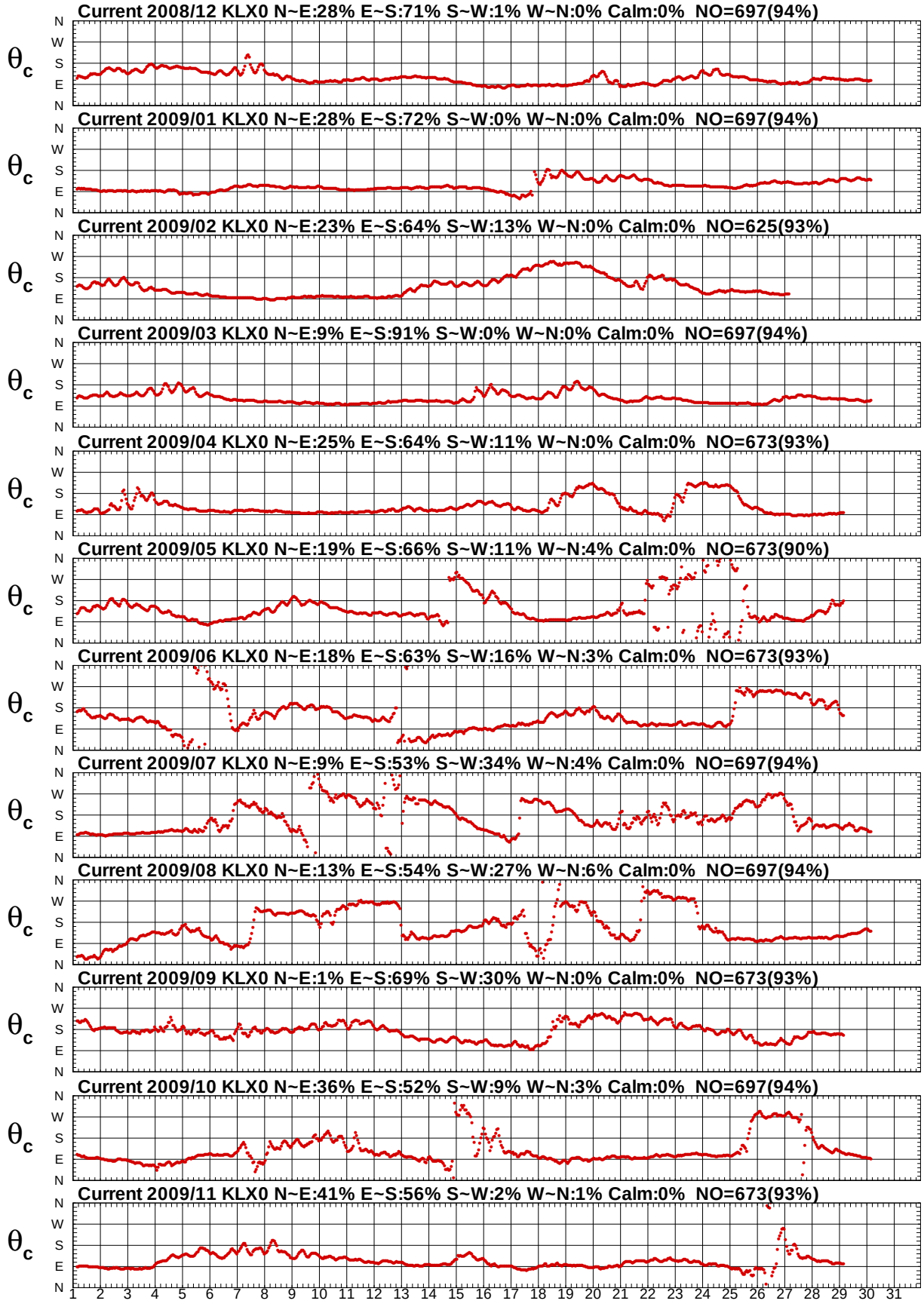


圖 4.1.23　2009年基隆港 X 站48時平均流向歷線圖

C08CKLX0.48H C091KLX0.48H C092KLX0.48H C093KLX0.48H C094KLX0.48H C095KLX0.48H
C096KLX0.48H C097KLX0.48H C098KLX0.48H C099KLX0.48H C09AKLX0.48H C09BKLX0.48H

Institute of Harbor & Marine Technology

Current Vector in Kee-Lung Harbor of KLX0 at 2009

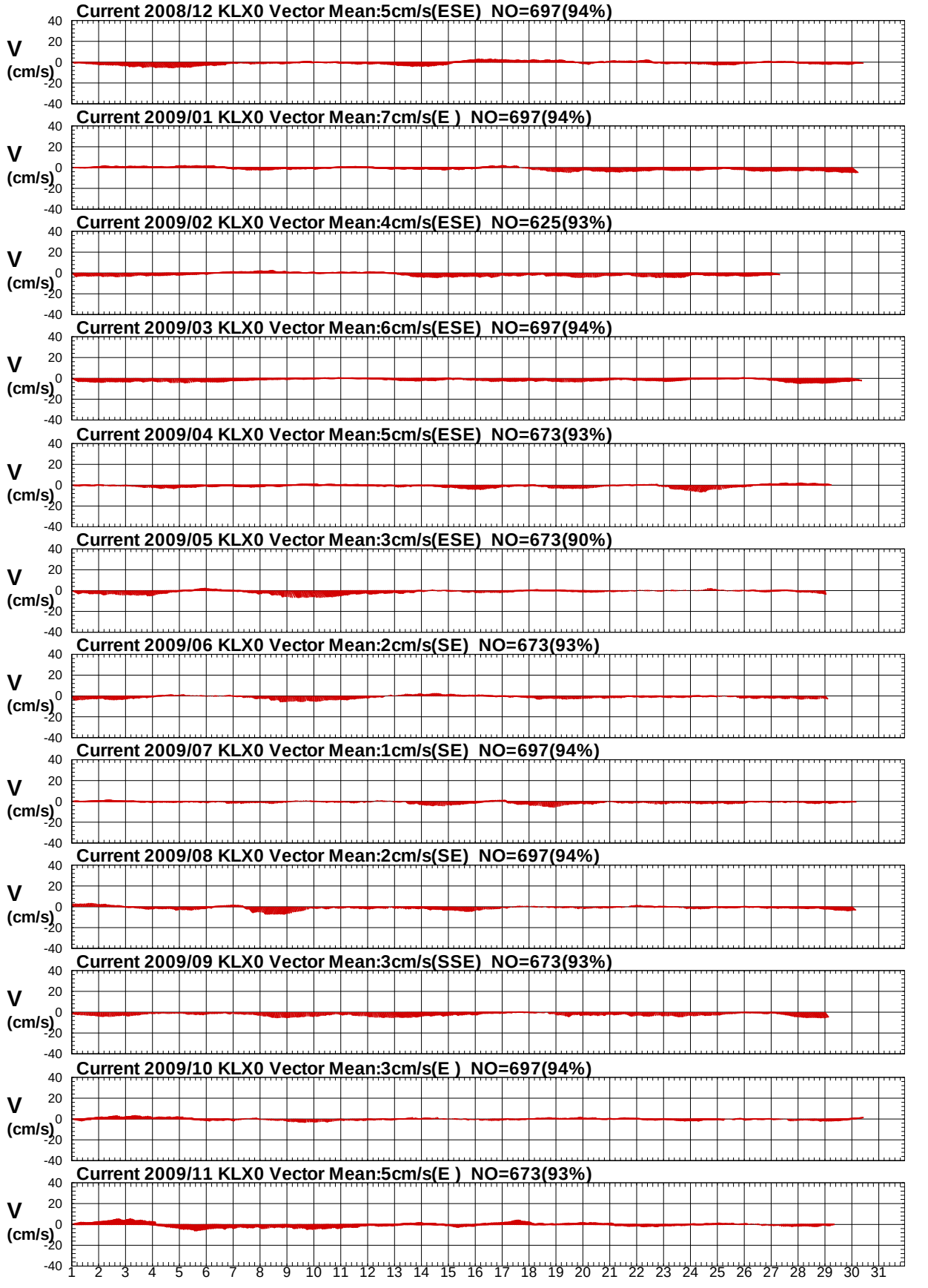


圖 4.1.24　2009年基隆港 X 站48時平均流矢圖

C08CKLX0.48H C091KLX0.48H C092KLX0.48H C093KLX0.48H C094KLX0.48H C095KLX0.48H
C096KLX0.48H C097KLX0.48H C098KLX0.48H C099KLX0.48H C09AKLX0.48H C09BKLX0.48H

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4.2　2009年臺北港逐時海流月歷線圖
(逐時觀測海流歷線圖)
(逐時純潮流歷線圖)
(逐時非潮流歷線圖)
(48時向量平均海流歷線圖)

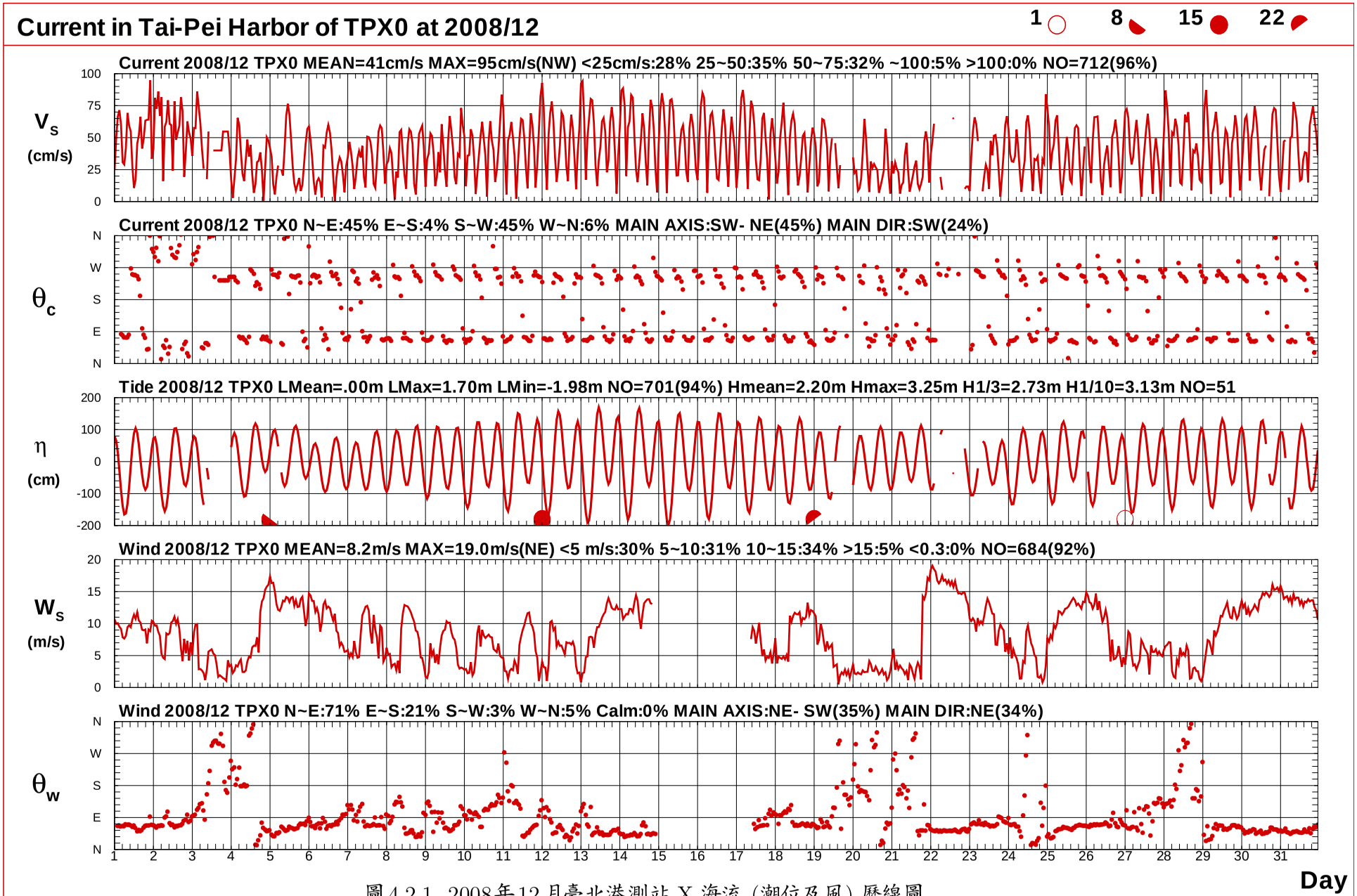


圖 4.2.1 2008年12月臺北港測站 X 海流 (潮位及風) 歷線圖

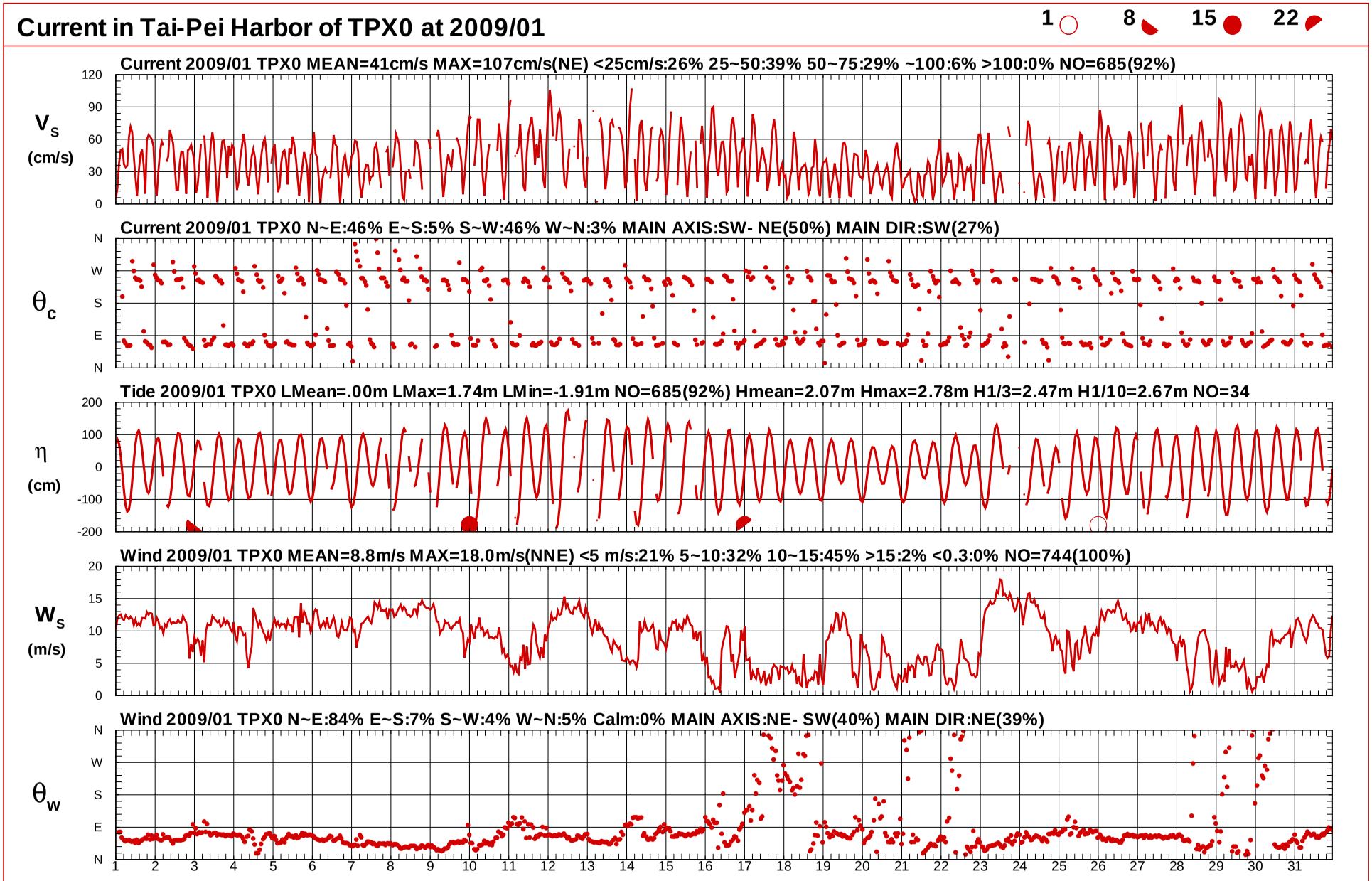


圖 4.2.2 2009年 1 月臺北港測站 X 海流 (潮位及風) 歷線圖

C091TPX0.1HA T091TPX0.1HA W091TPX0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

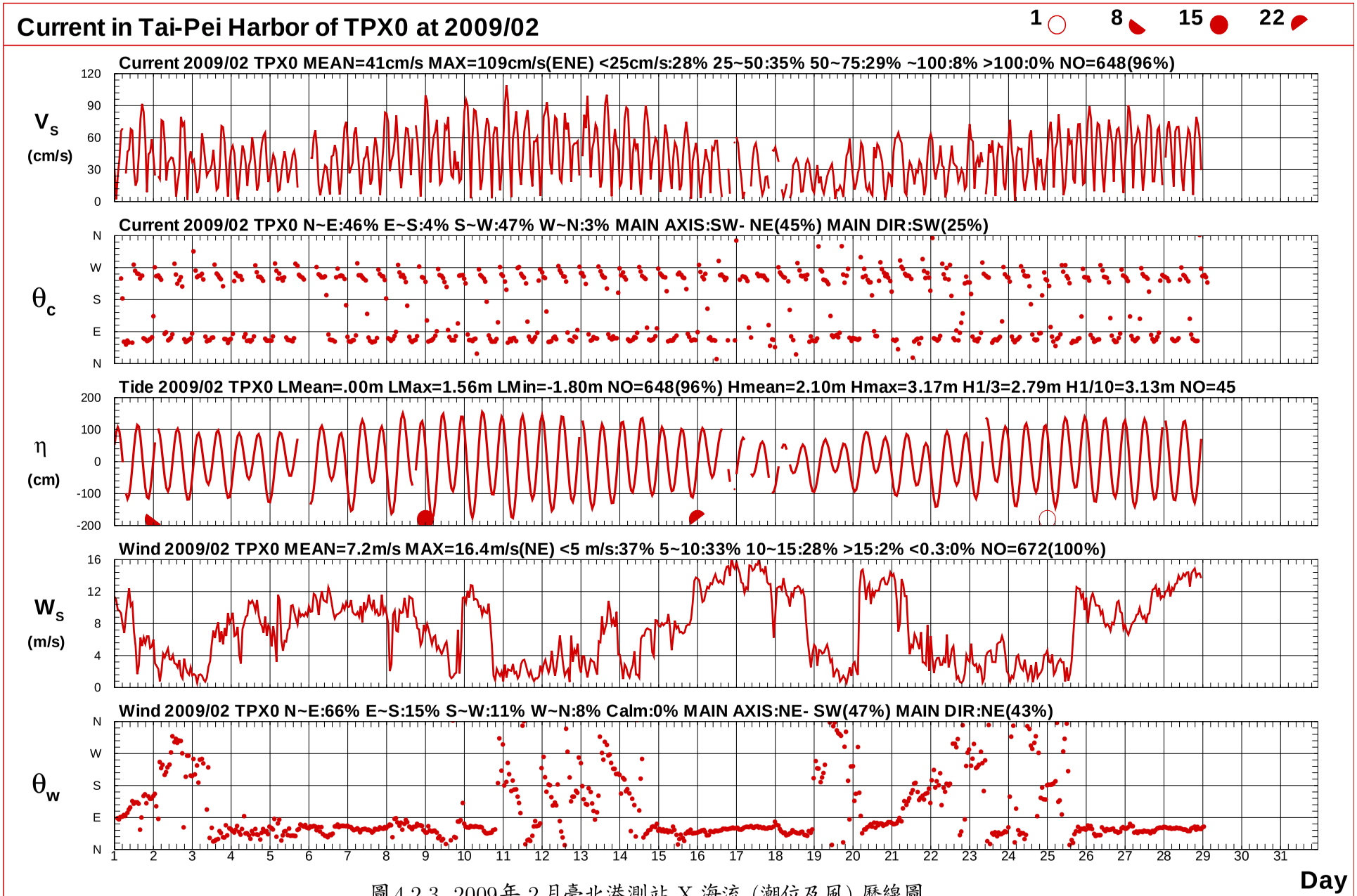


圖 4.2.3 2009年 2月臺北港測站 X 海流 (潮位及風) 歷線圖

C092TPX0.1HA T092TPX0.1HA W092TPX0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

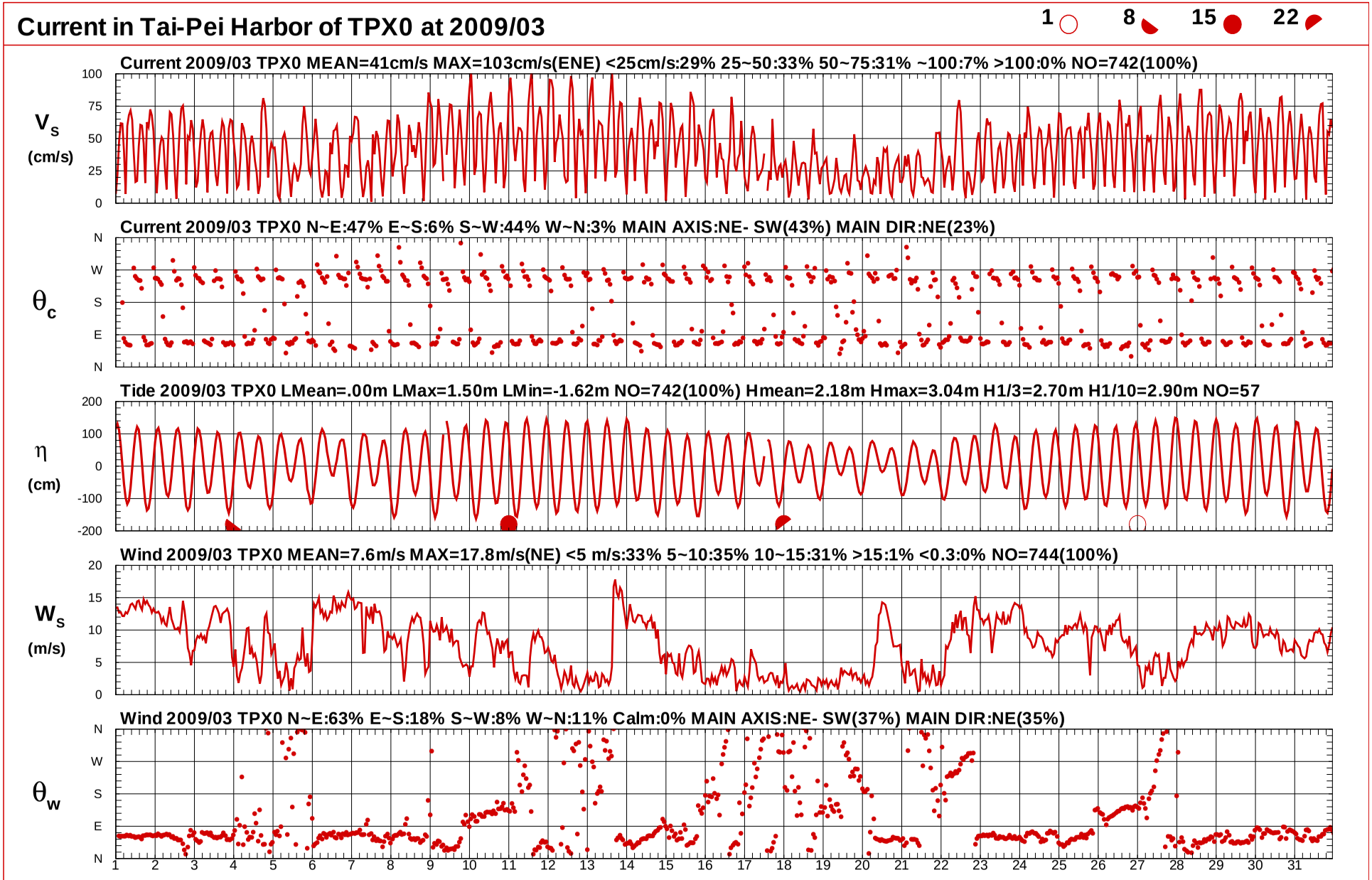


圖 4.2.4 2009年 3 月臺北港測站 X 海流 (潮位及風) 歷線圖

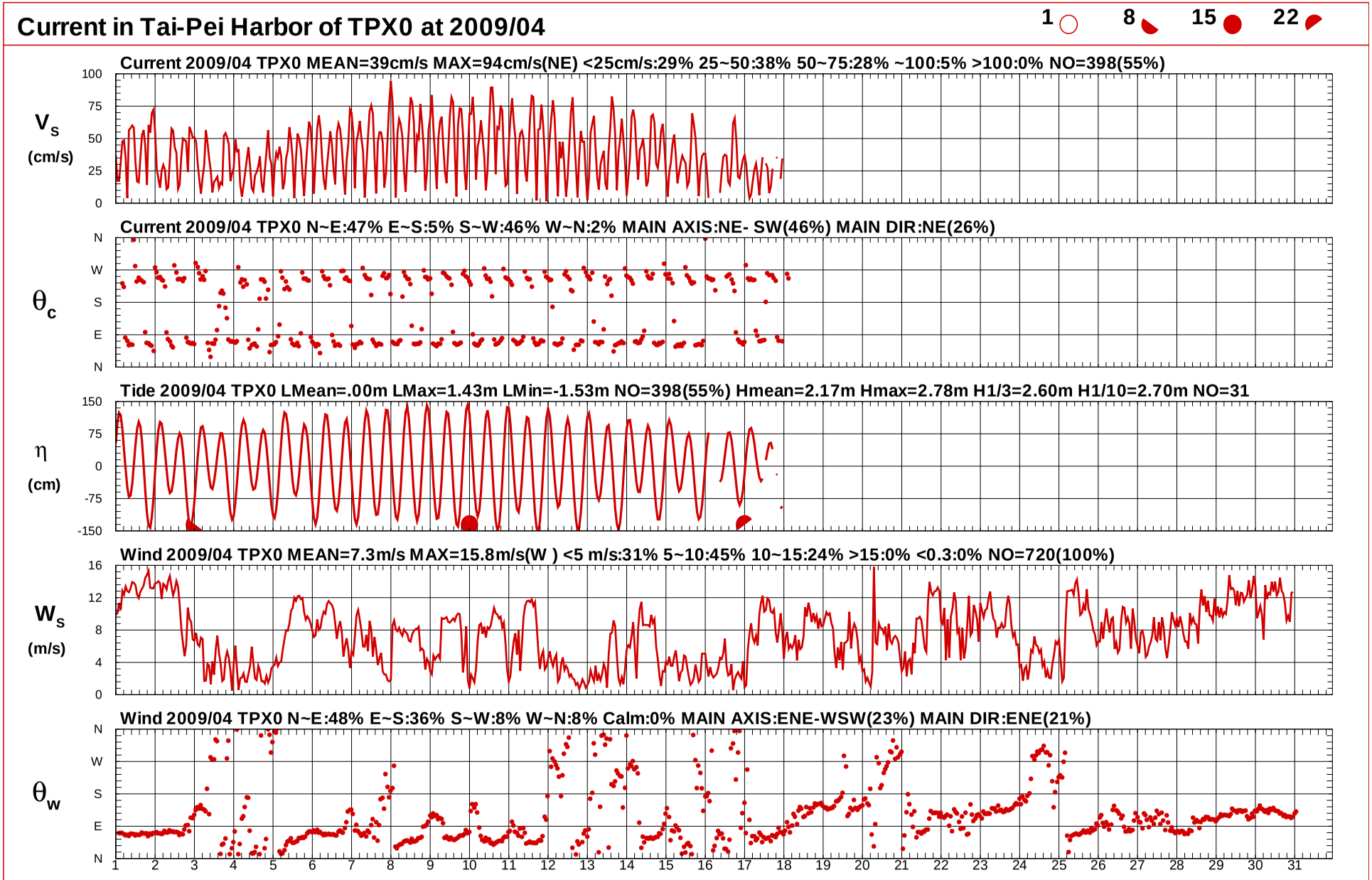


圖 4.2.5 2009年 4 月臺北港測站 X 海流 (潮位及風) 歷線圖

C094TPX0.1HA T094TPX0.1HA W094TPX0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

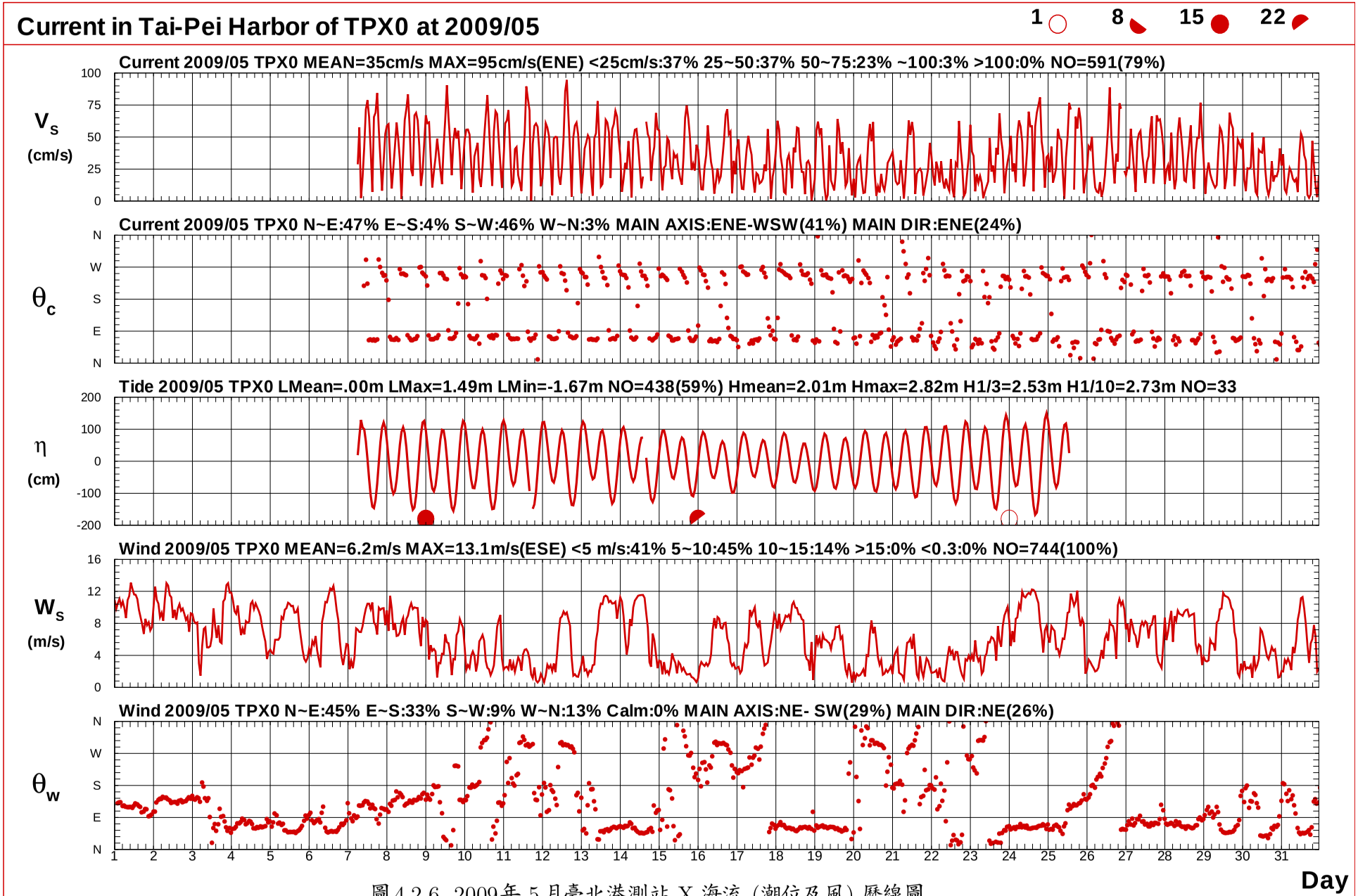


圖 4.2.6 2009年 5 月臺北港測站 X 海流 (潮位及風) 歷線圖

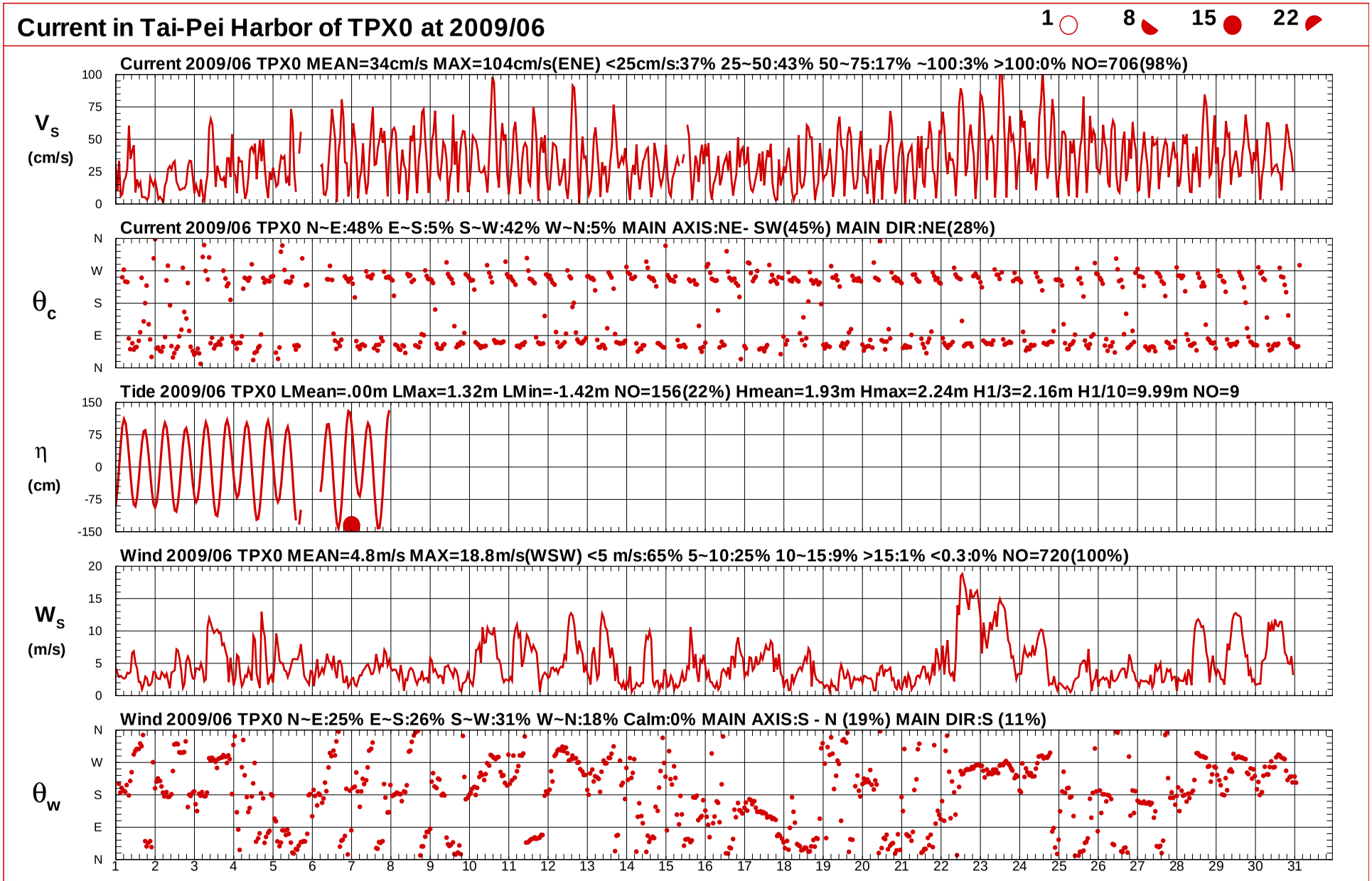


圖 4.2.7 2009年 6 月臺北港測站 X 海流 (潮位及風) 歷線圖

C096TPX0.1HA T096TPX0.1HA W096TPX0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

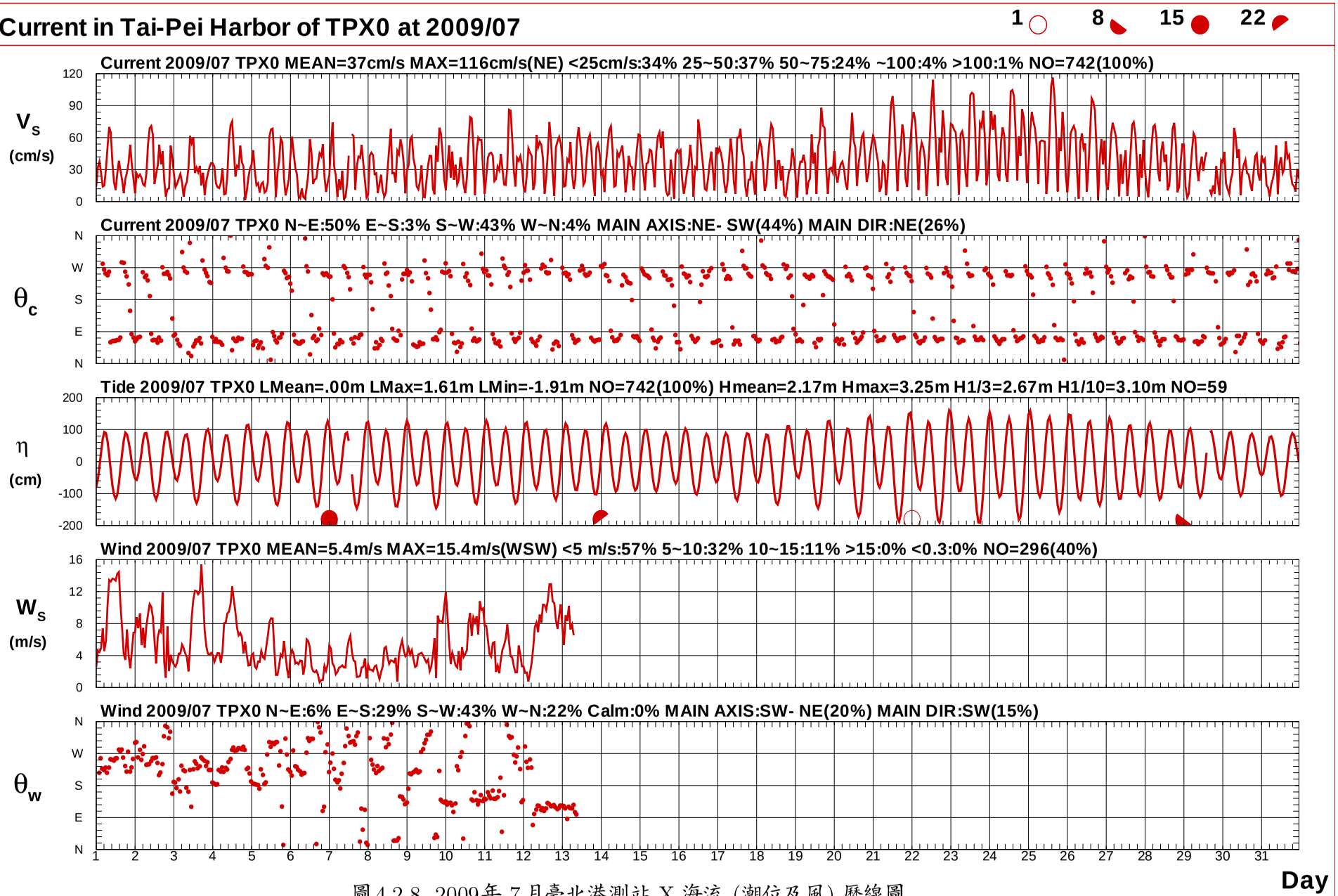


圖 4.2.8 2009年 7月臺北港測站 X 海流 (潮位及風) 歷線圖

C097TPX0.1HA T097TPX0.1HA W097TPX0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

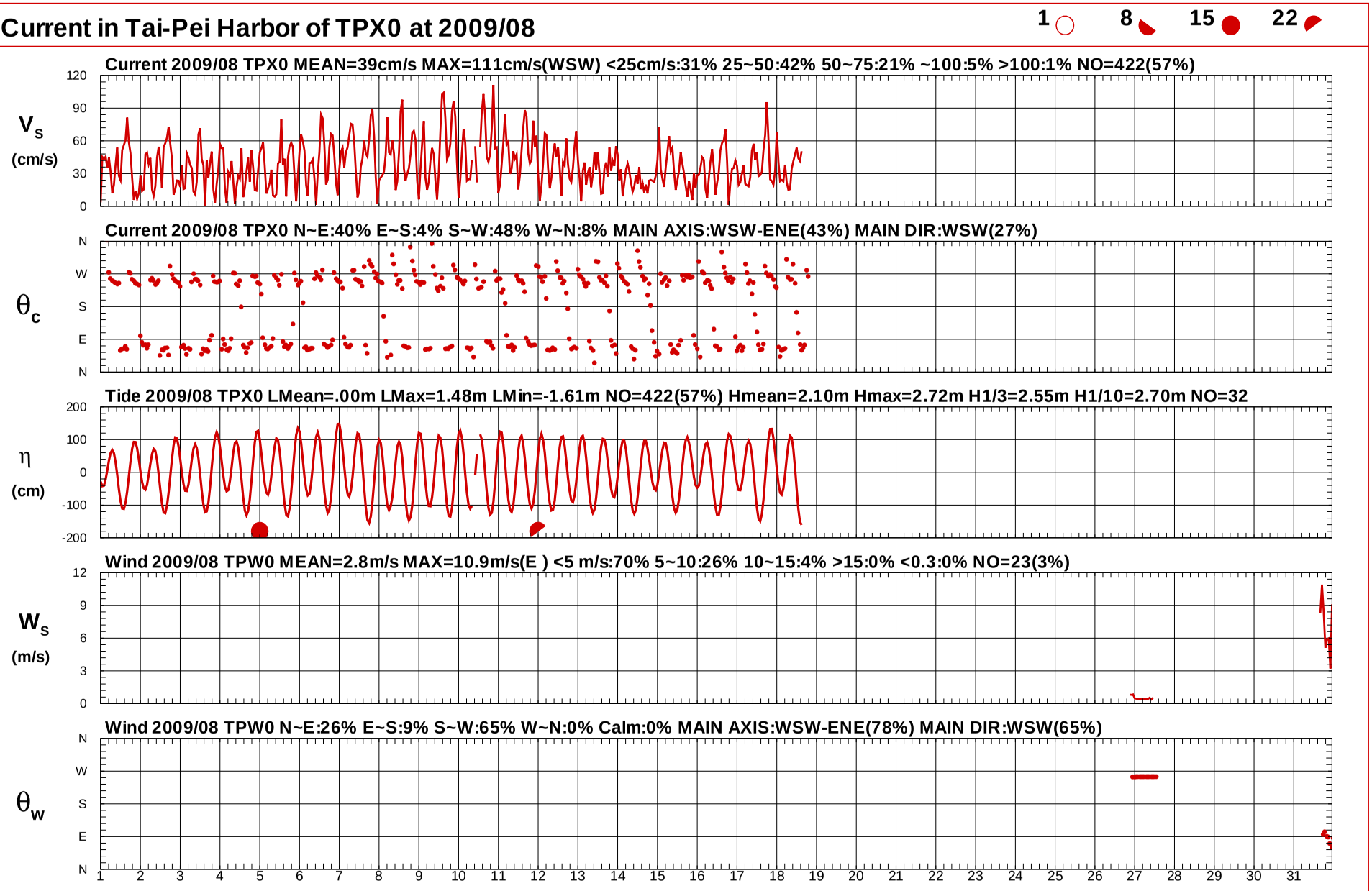


圖 4.2.9 2009年 8 月臺北港測站 X 海流 (潮位及風) 歷線圖

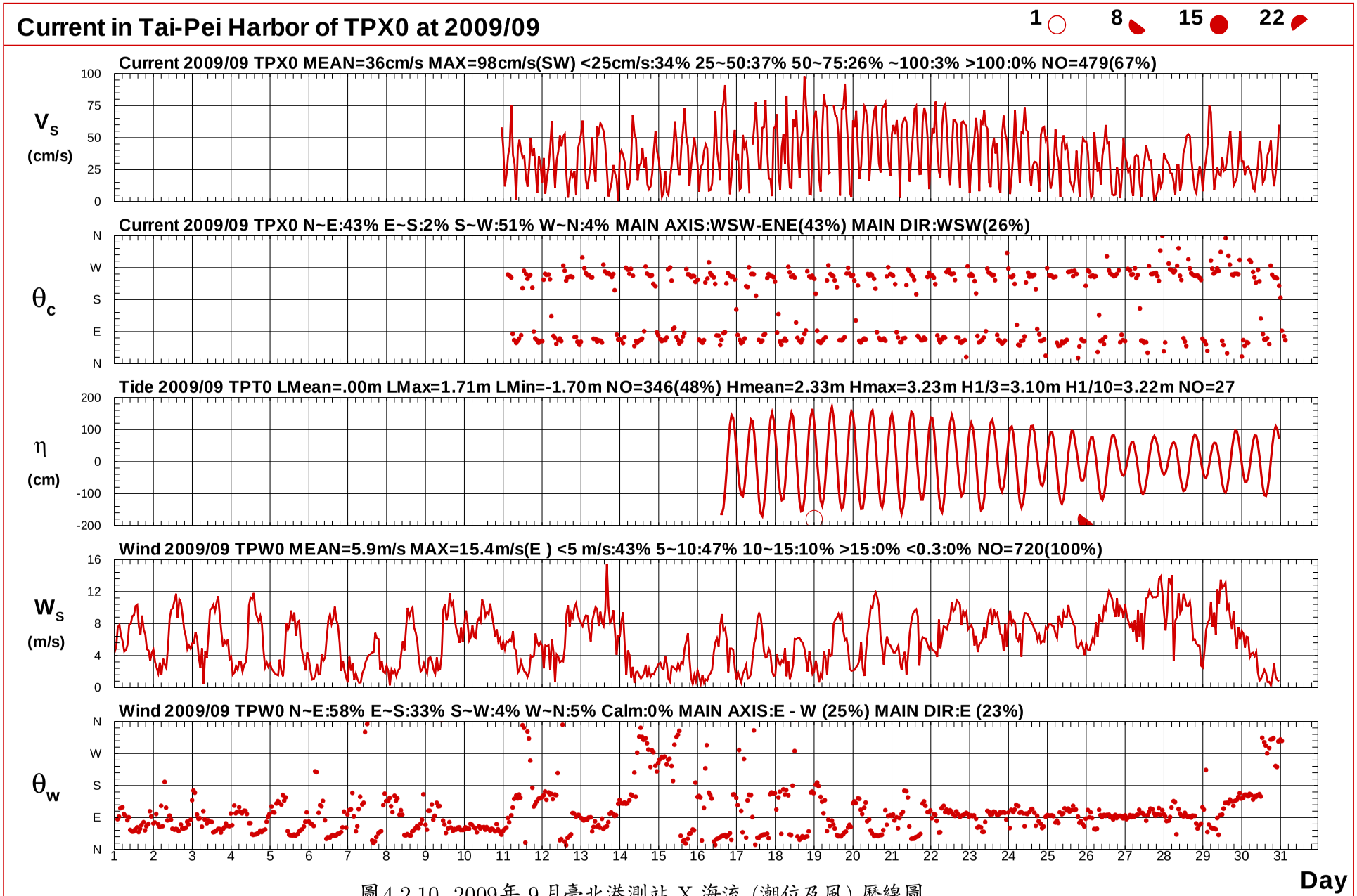


圖4.2.10 2009年 9月臺北港測站 X 海流 (潮位及風) 歷線圖

C099TPX0.1HA T099TPT0.1HA W099TPW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

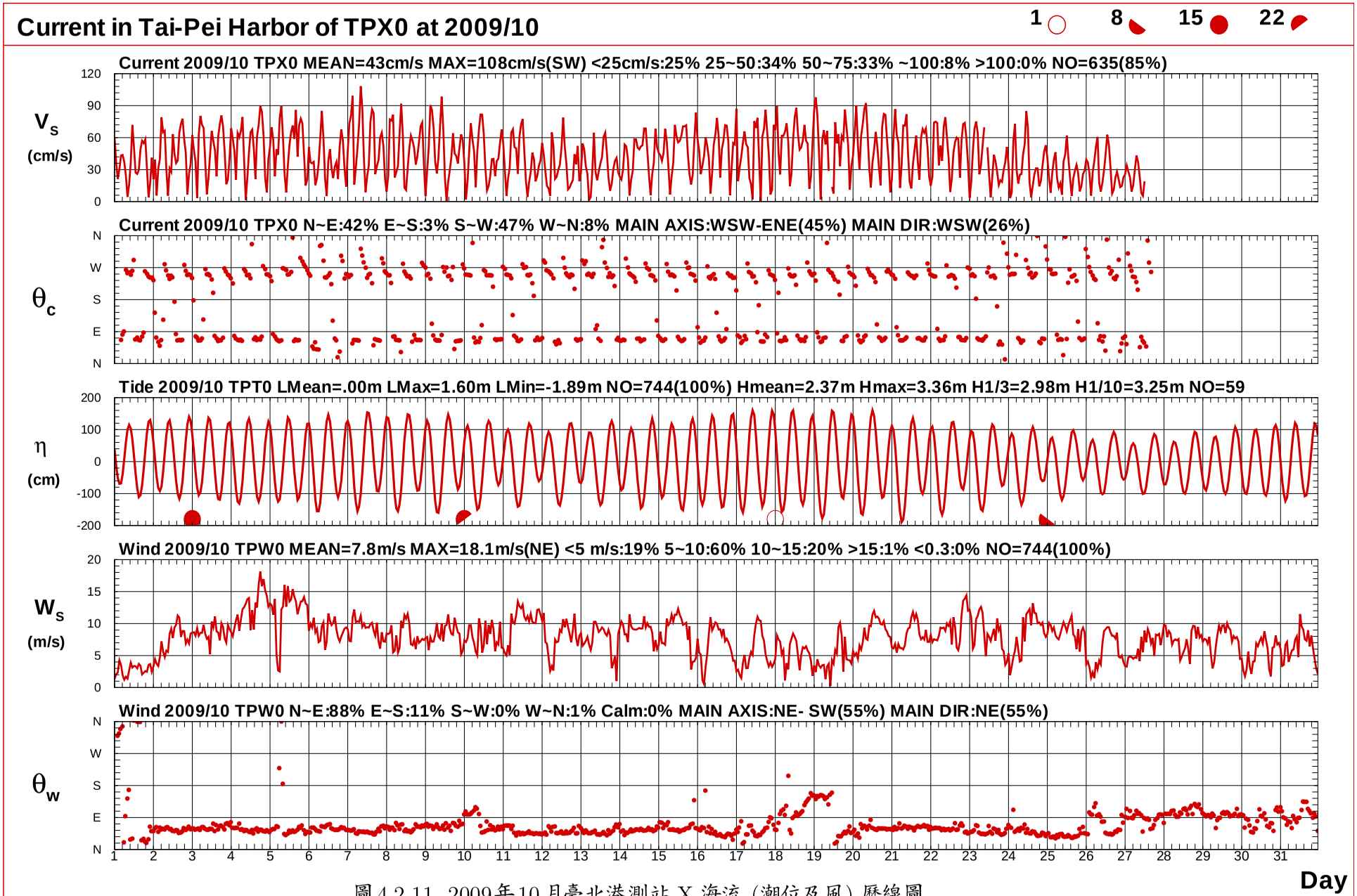


圖 4.2.11 2009年10月臺北港測站 X 海流 (潮位及風) 歷線圖

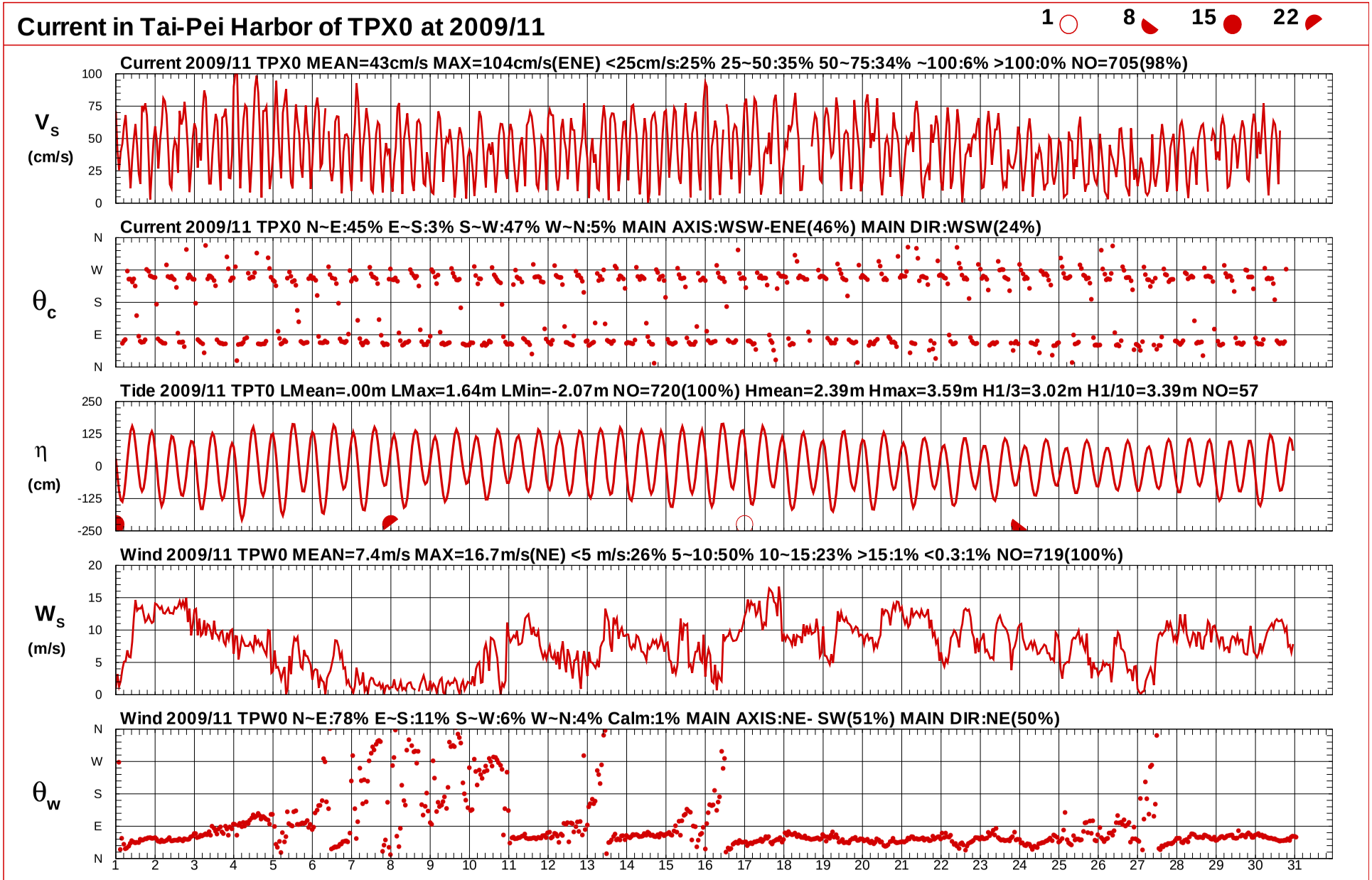


圖 4.2.12 2009年11月臺北港測站 X 海流 (潮位及風) 歷線圖

Current Speed in Tai-Pei Harbor of TPX0 at 2009

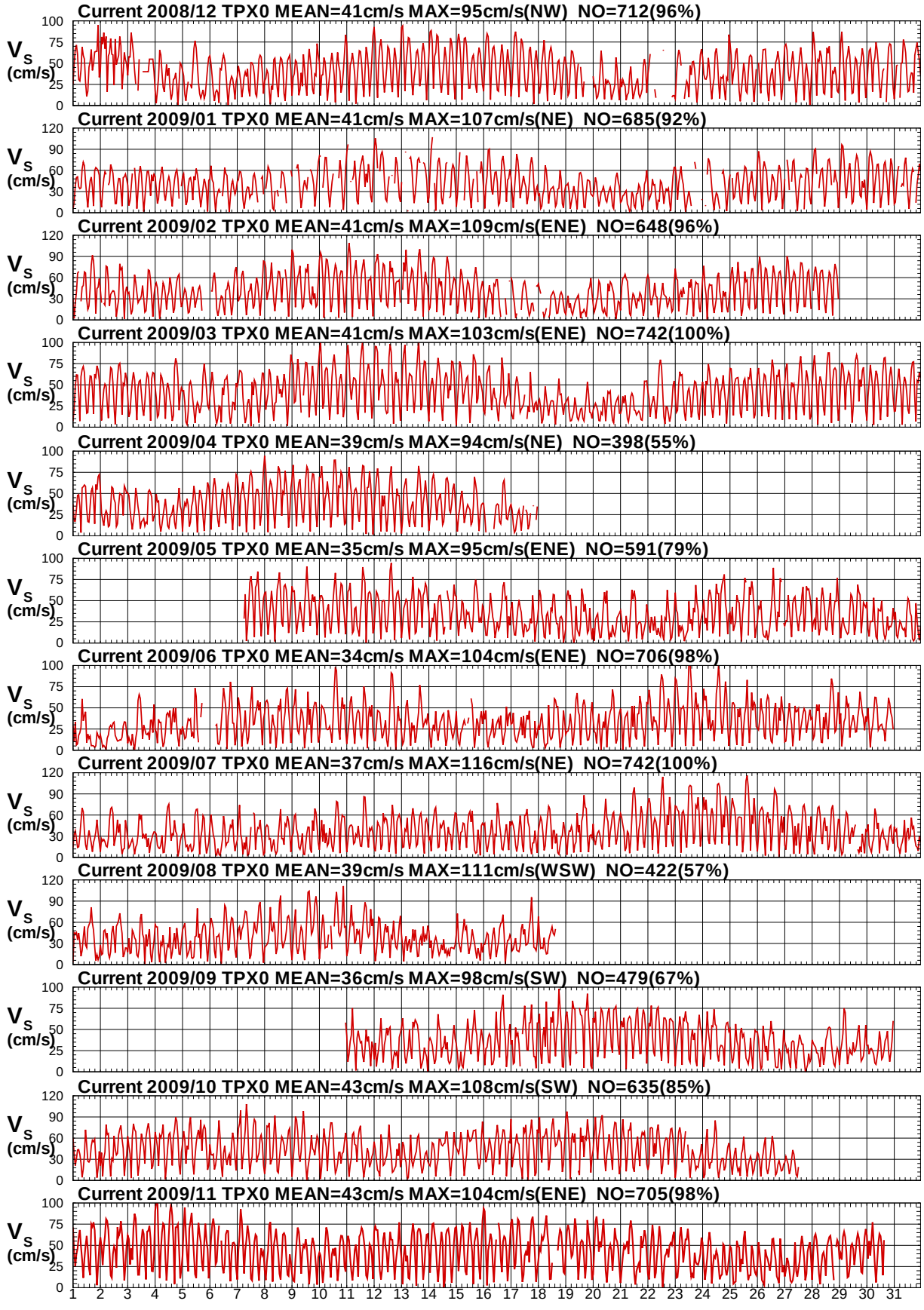


圖 4.2.13　2009年臺北港測站 X 觀測流速歷線圖

C08CTPX0.1HA C091TPX0.1HA C092TPX0.1HA C093TPX0.1HA C094TPX0.1HA C095TPX0.1HA
C096TPX0.1HA C097TPX0.1HA C098TPX0.1HA C099TPX0.1HA C09ATPX0.1HA C09BTPX0.1HA

Institute of Harbor & Marine Technology

Current Direction in Tai-Pei Harbor of TPX0 at 2009

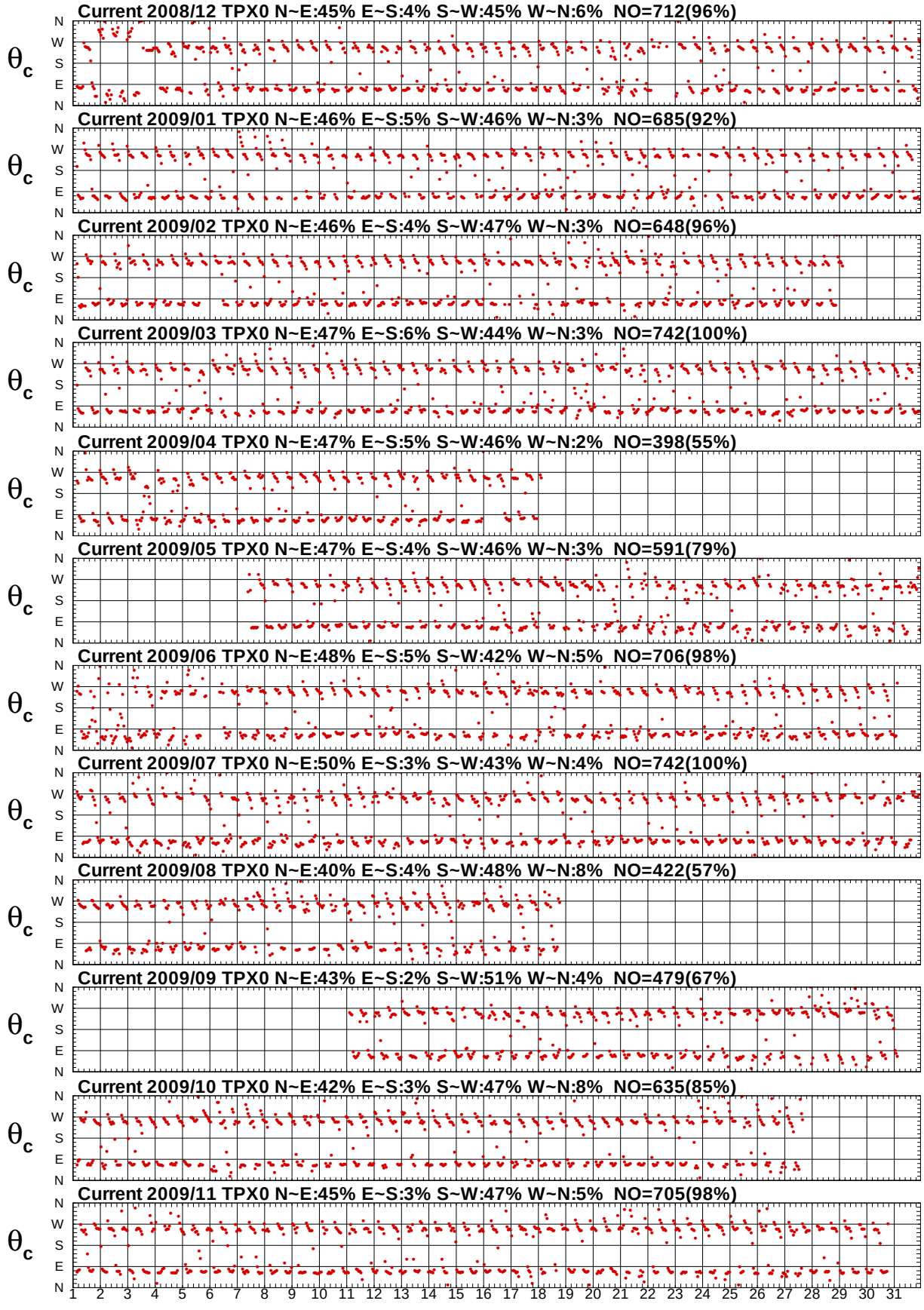


圖 4.2.14　2009年臺北港測站 X 觀測流向歷線圖

C08CTPX0.1HA C091TPX0.1HA C092TPX0.1HA C093TPX0.1HA C094TPX0.1HA C095TPX0.1HA
C096TPX0.1HA C097TPX0.1HA C098TPX0.1HA C099TPX0.1HA C09ATPX0.1HA C09BTPX0.1HA

Institute of Harbor & Marine Technology

Current Vector in Tai-Pei Harbor of TPX0 at 2009

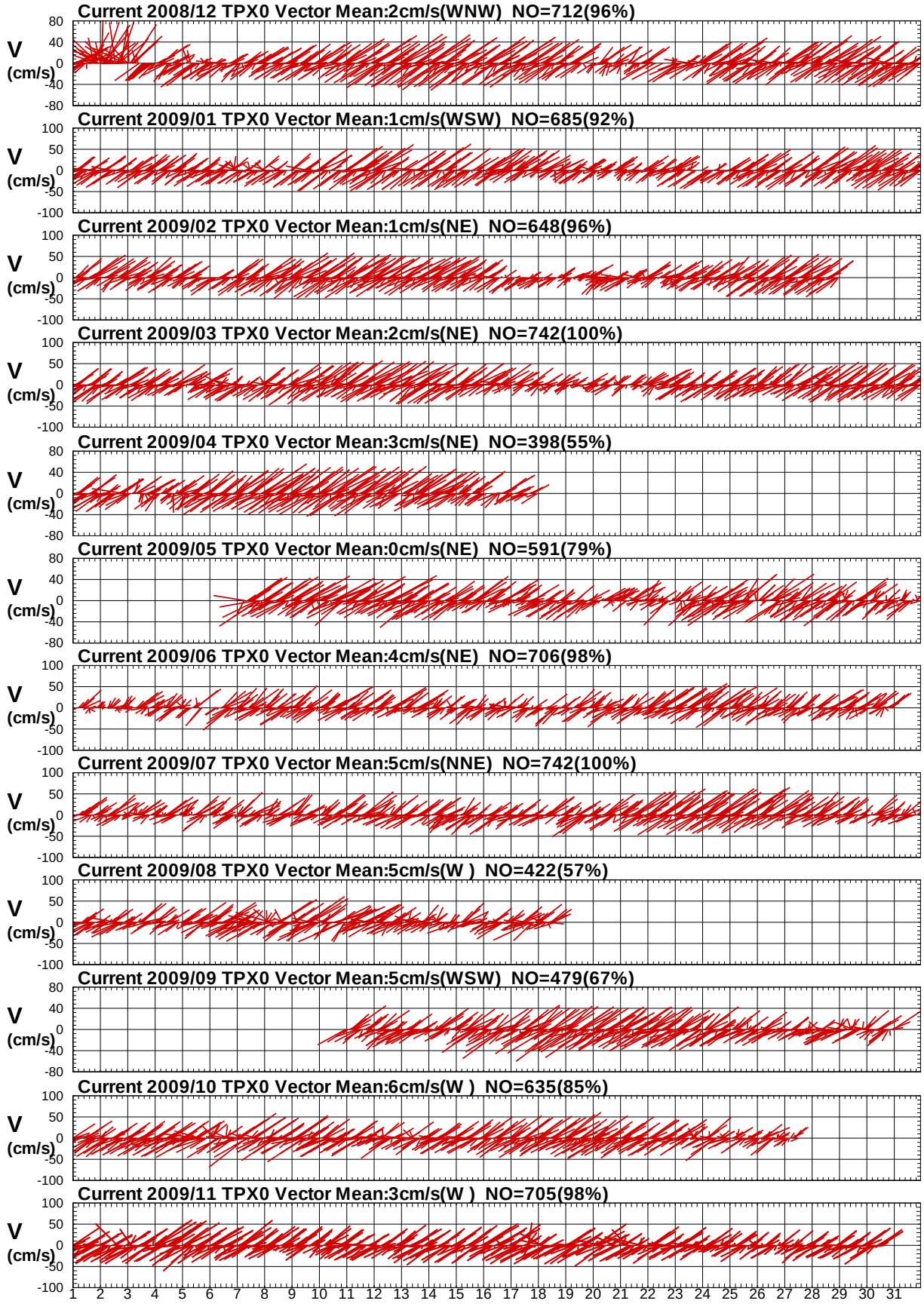


圖4.2.15　2009年臺北港測站 X 觀測流矢圖

C08CTPX0.1HA C091TPX0.1HA C092TPX0.1HA C093TPX0.1HA C094TPX0.1HA C095TPX0.1HA
C096TPX0.1HA C097TPX0.1HA C098TPX0.1HA C099TPX0.1HA C09ATPX0.1HA C09BTPX0.1HA

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Current Speed in Tai-Pei Harbor of Cal. at 2009

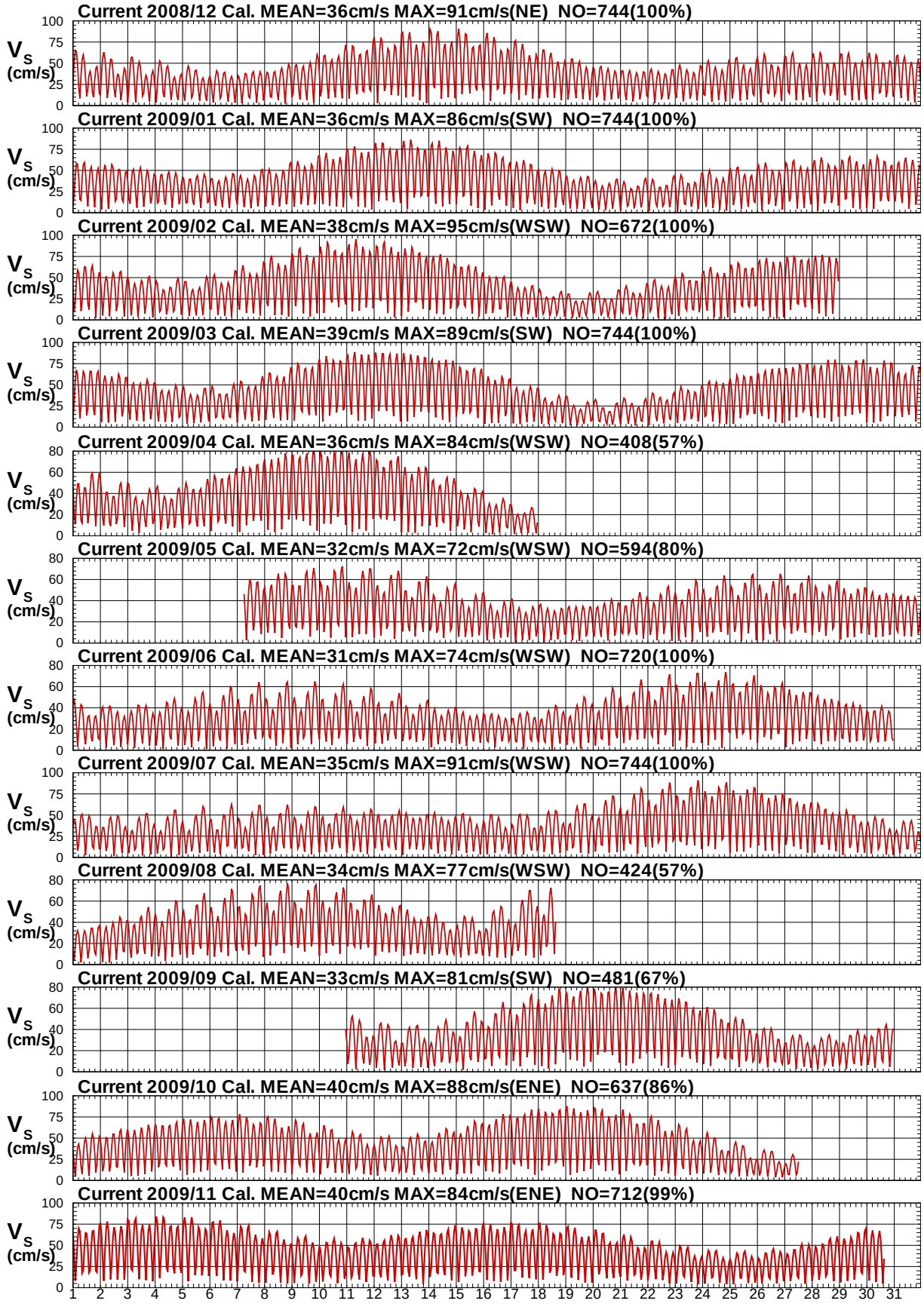


圖 4.2.16　2009年臺北港測站 X 潮流流速歷線圖

C08CTPX0.1HC C091TPX0.1HC C092TPX0.1HC C093TPX0.1HC C094TPX0.1HC C095TPX0.1HC
C096TPX0.1HC C097TPX0.1HC C098TPX0.1HC C099TPX0.1HC C09ATPX0.1HC C09BTPX0.1HC

Institute of Harbor & Marine Technology

Current Direction in Tai-Pei Harbor of Cal. at 2009

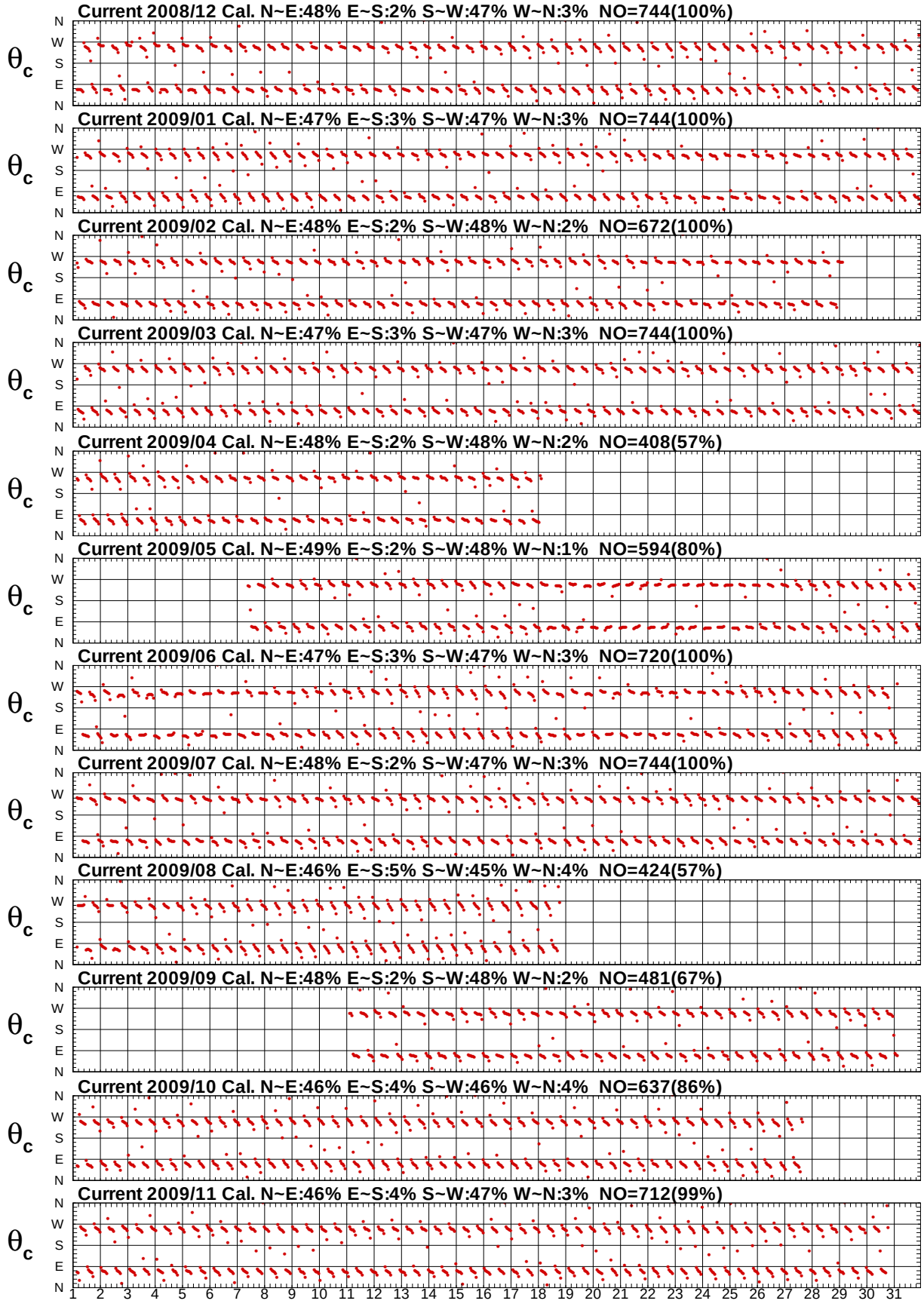


圖 4.2.17　2009年臺北港測站 X 潮流流向歷線圖

C08CTPX0.1HC C091TPX0.1HC C092TPX0.1HC C093TPX0.1HC C094TPX0.1HC C095TPX0.1HC
C096TPX0.1HC C097TPX0.1HC C098TPX0.1HC C099TPX0.1HC C09ATPX0.1HC C09BTPX0.1HC

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Current Vector in Tai-Pei Harbor of Cal. at 2009

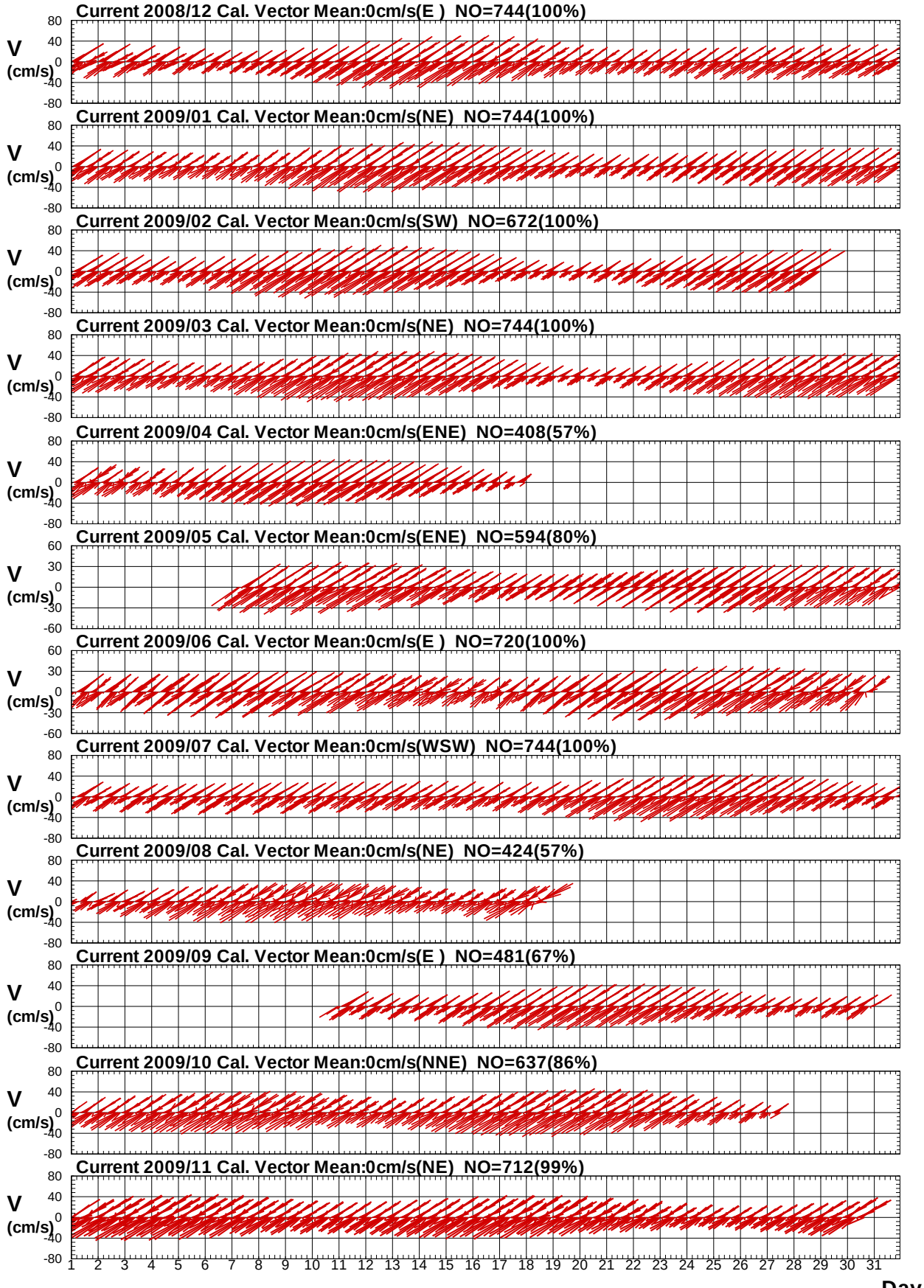


圖4.2.18　2009年臺北港測站 X 潮流流矢圖

C08CTPX0.1HC C091TPX0.1HC C092TPX0.1HC C093TPX0.1HC C094TPX0.1HC C095TPX0.1HC
C096TPX0.1HC C097TPX0.1HC C098TPX0.1HC C099TPX0.1HC C09ATPX0.1HC C09BTPX0.1HC

Institute of Harbor & Marine Technology

Current Speed in Tai-Pei Harbor of TPX0 at 2009

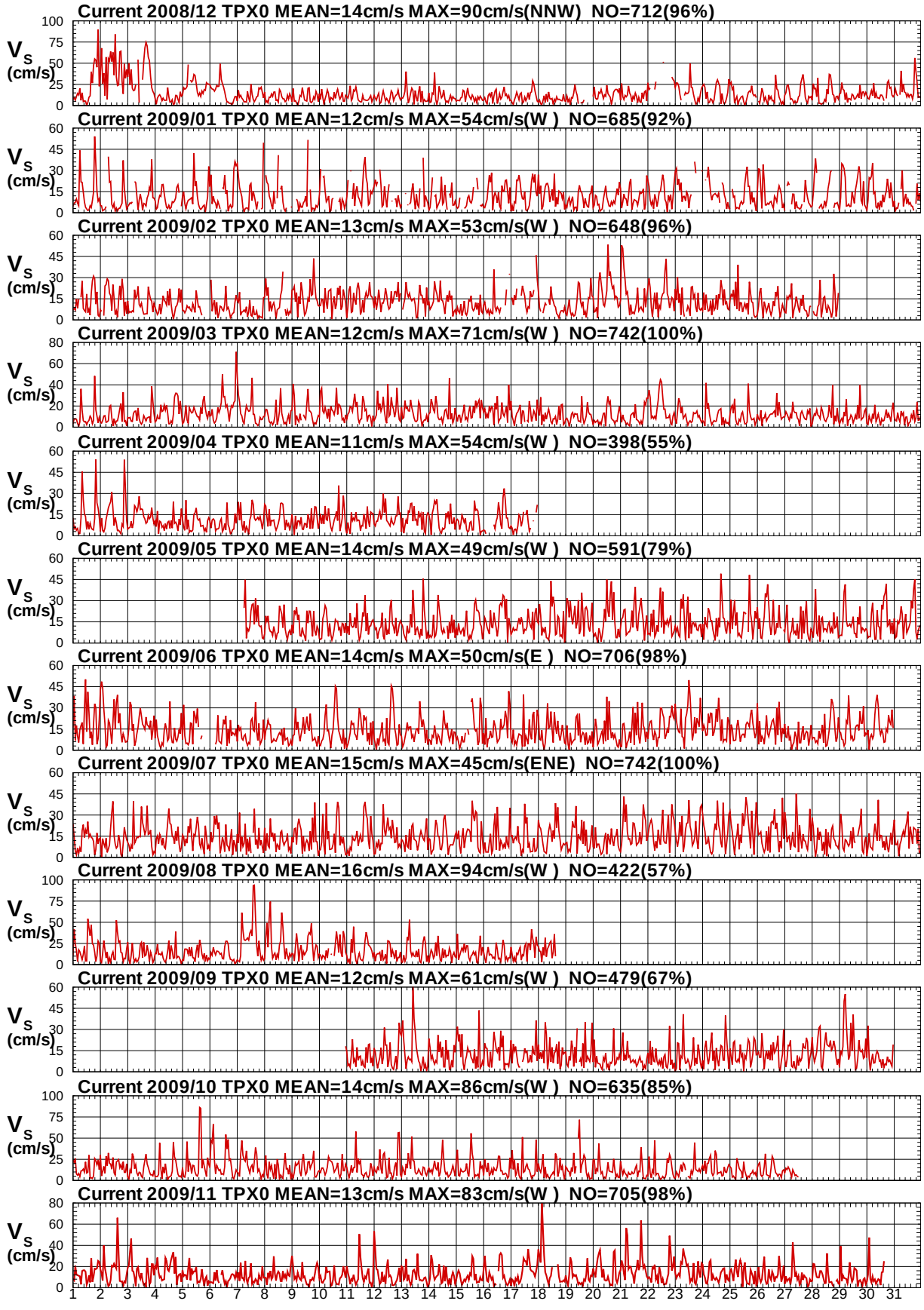


圖 4.2.19　2009年臺北港測站 X 非潮流速歷線圖

C08CTPX0.1HR C091TPX0.1HR C092TPX0.1HR C093TPX0.1HR C094TPX0.1HR C095TPX0.1HR
C096TPX0.1HR C097TPX0.1HR C098TPX0.1HR C099TPX0.1HR C09ATPX0.1HR C09BTPX0.1HR

Institute of Harbor & Marine Technology

Current Direction in Tai-Pei Harbor of TPX0 at 2009

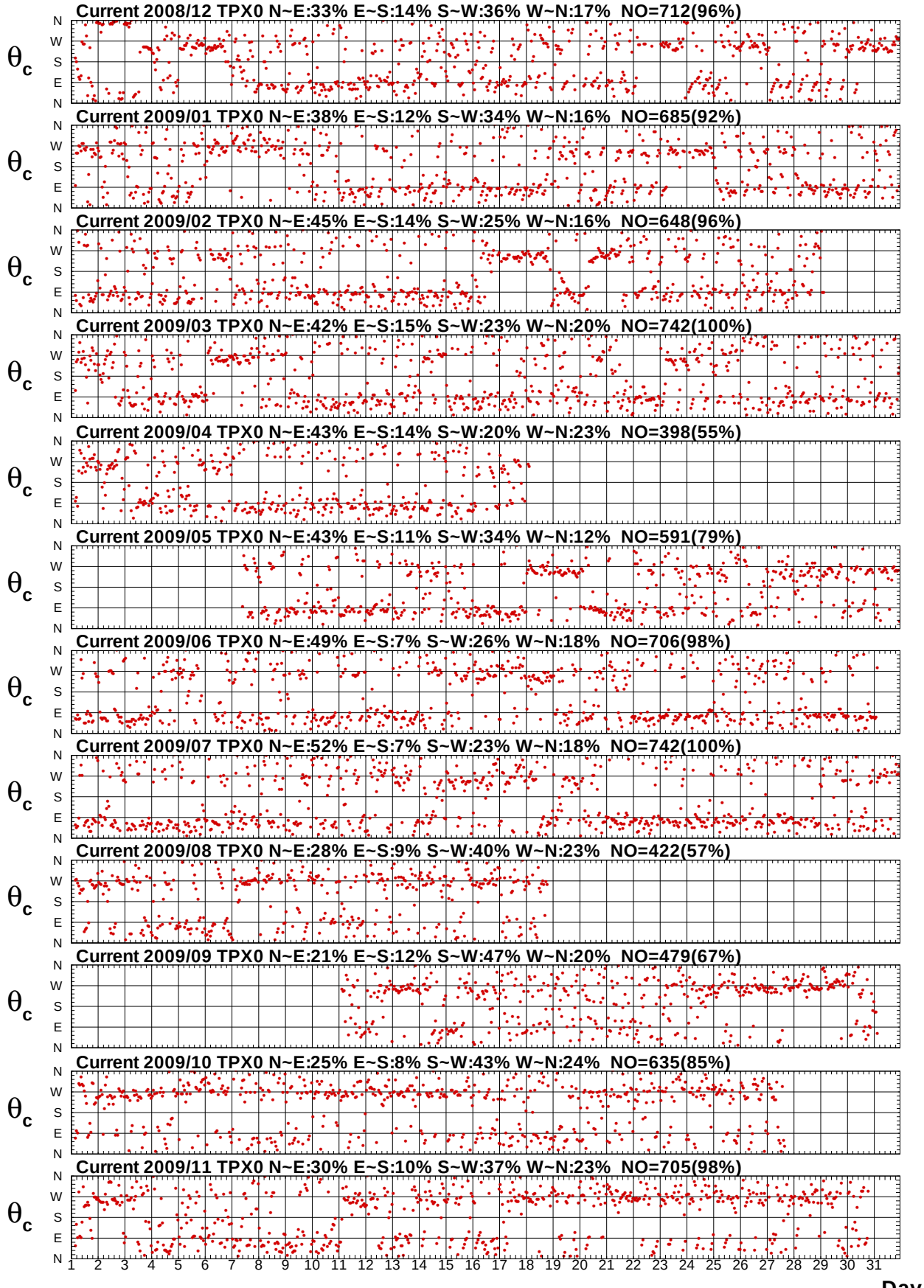


圖 4.2.20　2009年臺北港測站 X 非潮流向歷線圖

C08CTPX0.1HR C091TPX0.1HR C092TPX0.1HR C093TPX0.1HR C094TPX0.1HR C095TPX0.1HR
C096TPX0.1HR C097TPX0.1HR C098TPX0.1HR C099TPX0.1HR C09ATPX0.1HR C09BTPX0.1HR

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Current Vector in Tai-Pei Harbor of TPX0 at 2009

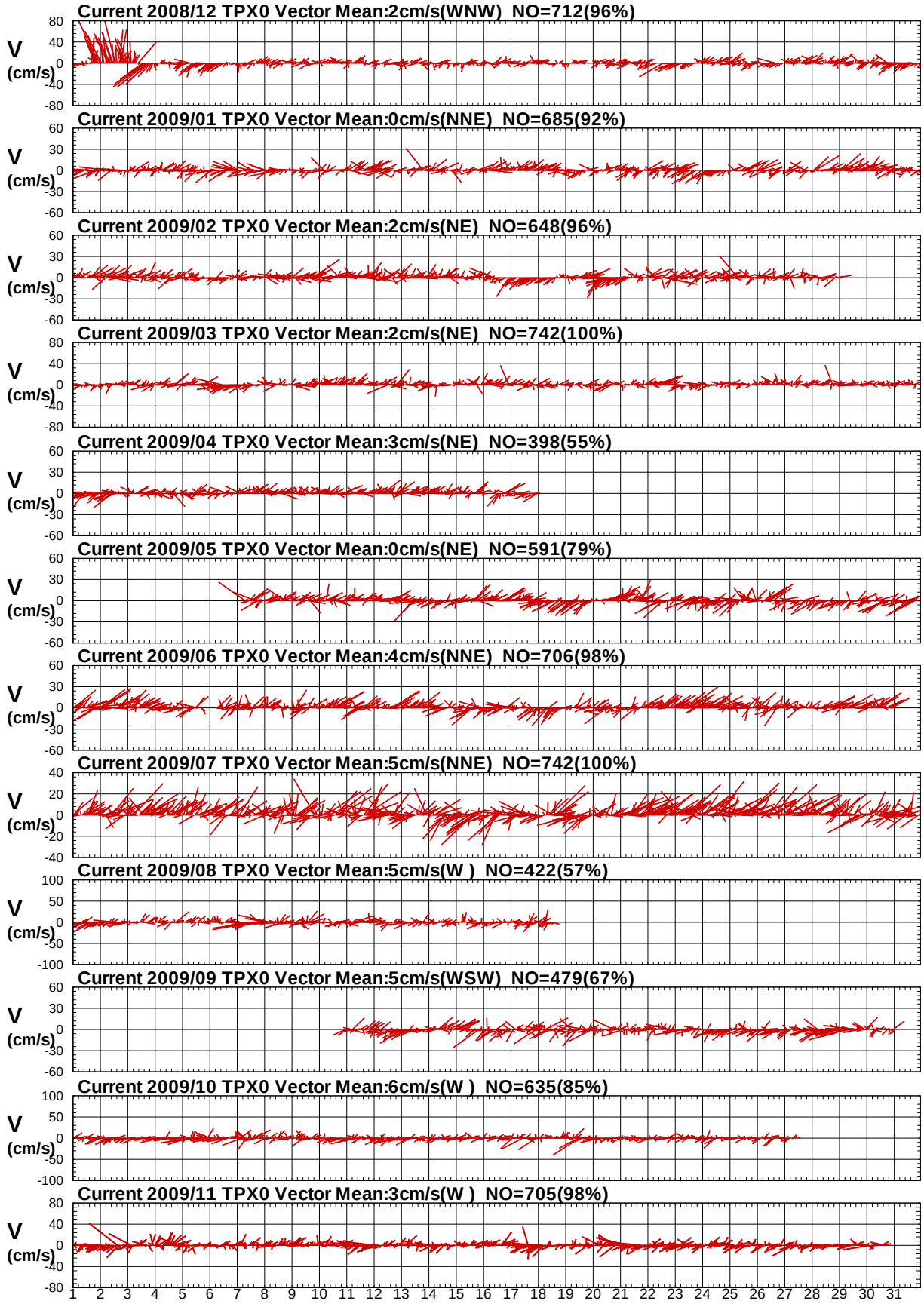


圖4.2.21　2009年臺北港測站 X 非潮流矢圖

C08CTPX0.1HR C091TPX0.1HR C092TPX0.1HR C093TPX0.1HR C094TPX0.1HR C095TPX0.1HR
C096TPX0.1HR C097TPX0.1HR C098TPX0.1HR C099TPX0.1HR C09ATPX0.1HR C09BTPX0.1HR

Institute of Harbor & Marine Technology

Current Speed in Tai-Pei Harbor of TPX0 at 2009

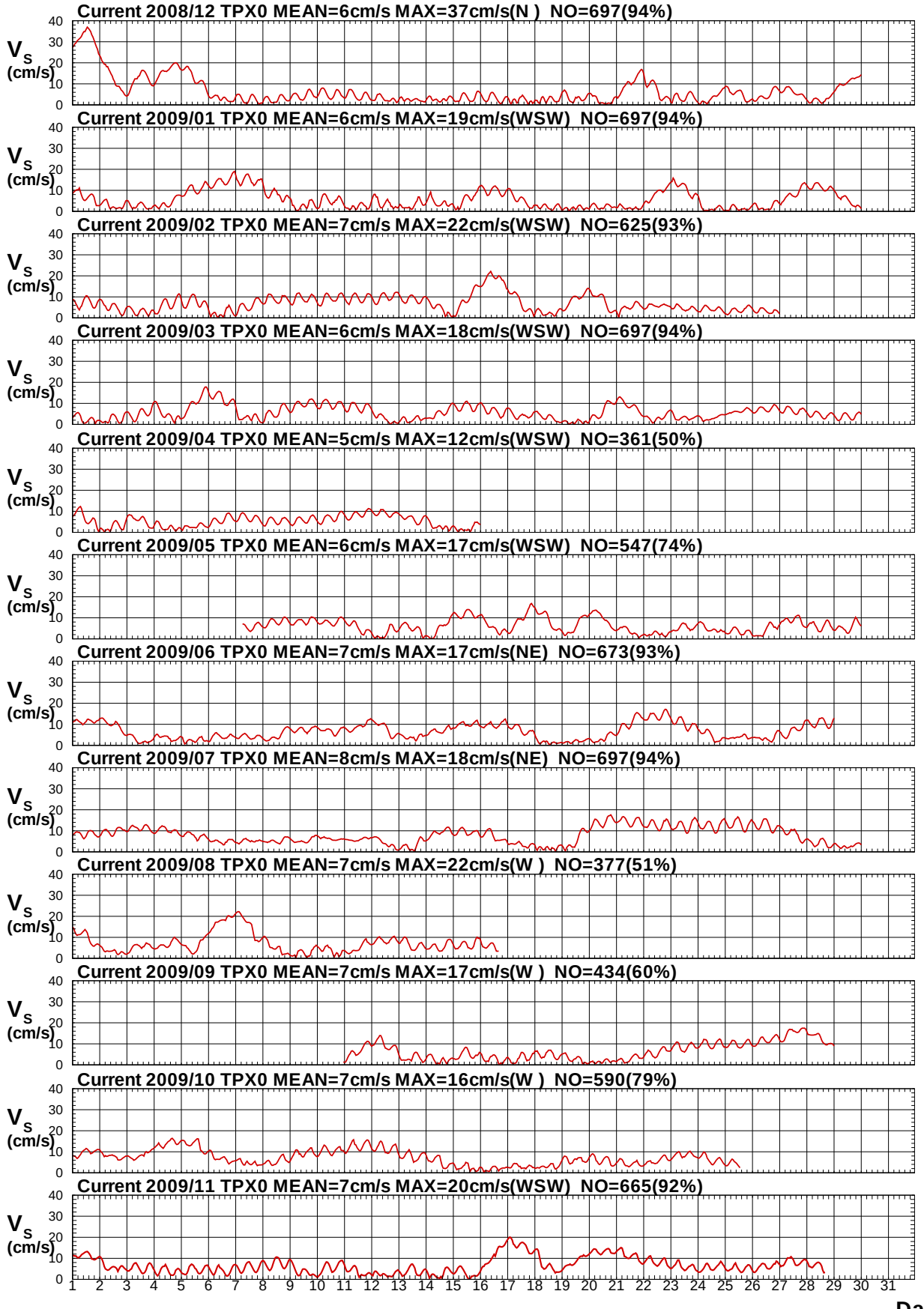


圖 4.2.22　2009年臺北港 X 站48時平均流速歷線圖

C08CTPX0.48H C091TPX0.48H C092TPX0.48H C093TPX0.48H C094TPX0.48H C095TPX0.48H
C096TPX0.48H C097TPX0.48H C098TPX0.48H C099TPX0.48H C09ATPX0.48H C09BTPX0.48H

Institute of Harbor & Marine Technology

Current Direction in Tai-Pei Harbor of TPX0 at 2009

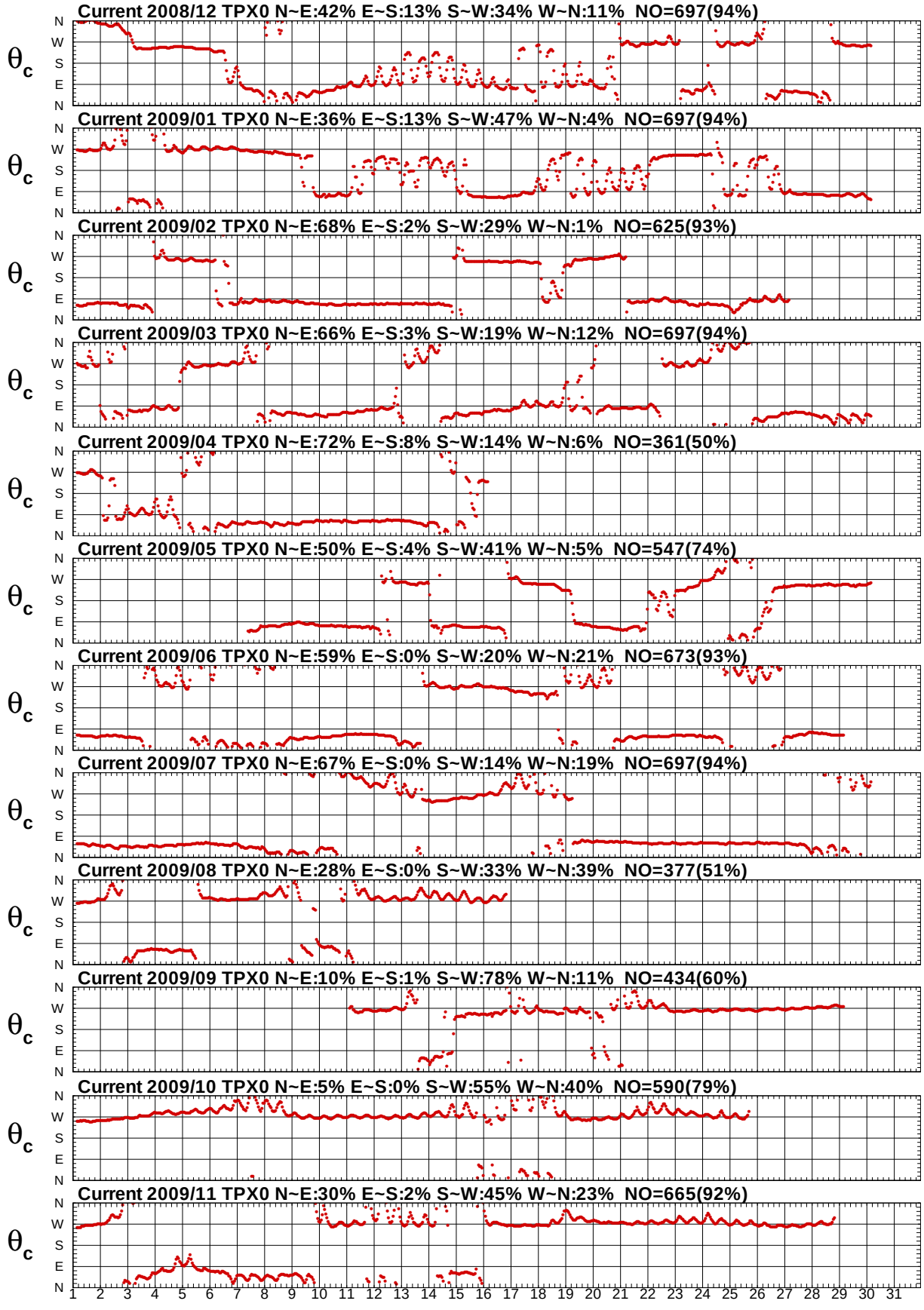


圖 4.2.23　2009年臺北港 X 站48時平均流向歷線圖

C08CTPX0.48H C091TPX0.48H C092TPX0.48H C093TPX0.48H C094TPX0.48H C095TPX0.48H
C096TPX0.48H C097TPX0.48H C098TPX0.48H C099TPX0.48H C09ATPX0.48H C09BTPX0.48H

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Current Vector in Tai-Pei Harbor of TPX0 at 2009

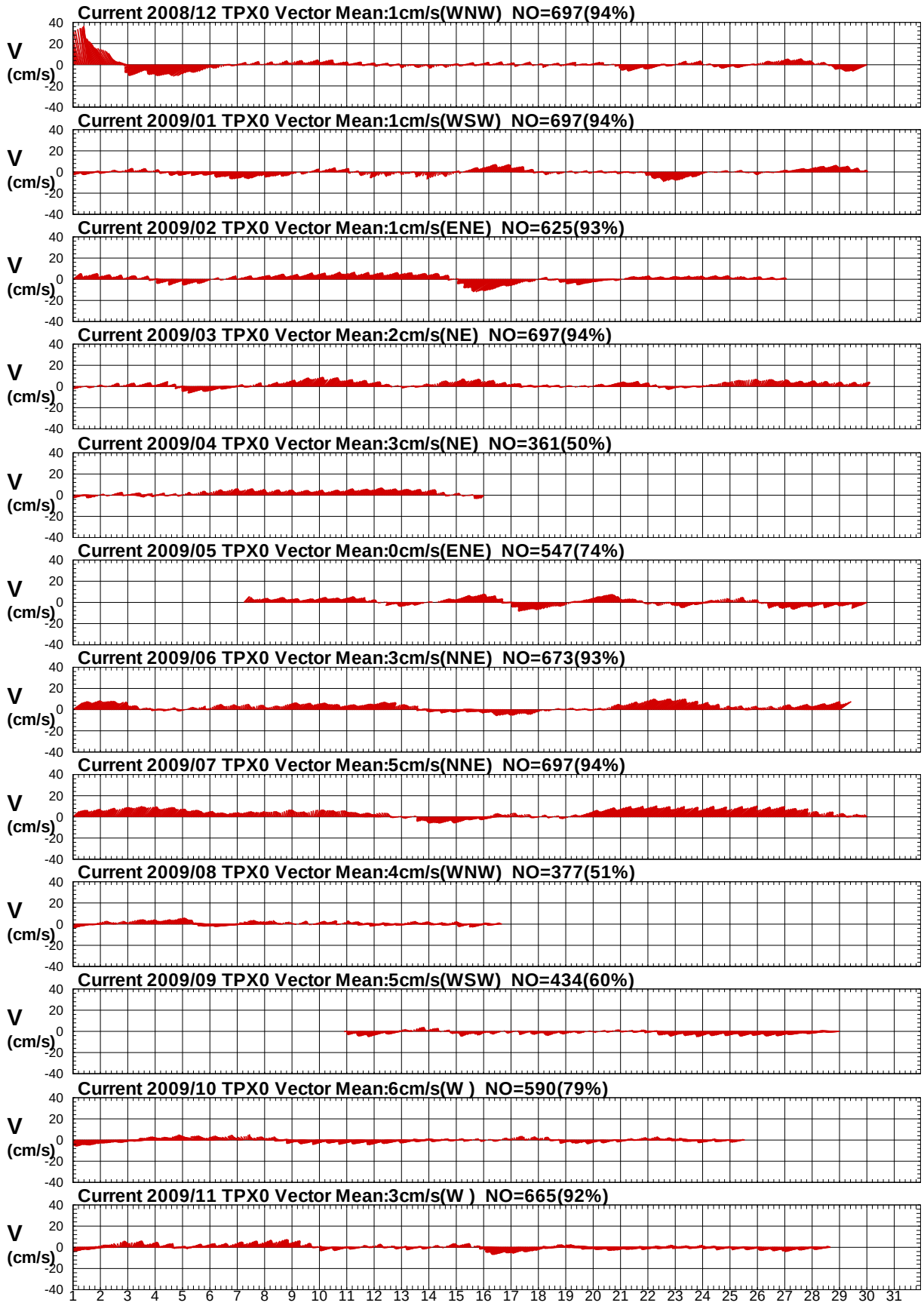


圖 4.2.24　2009年臺北港 X 站48時平均流矢圖

C08CTPX0.48H C091TPX0.48H C092TPX0.48H C093TPX0.48H C094TPX0.48H C095TPX0.48H
C096TPX0.48H C097TPX0.48H C098TPX0.48H C099TPX0.48H C09ATPX0.48H C09BTPX0.48H

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4.3　2009年臺中港逐時海流月歷線圖
(逐時觀測海流歷線圖)
(逐時純潮流歷線圖)
(逐時非潮流歷線圖)
(48時向量平均海流歷線圖)

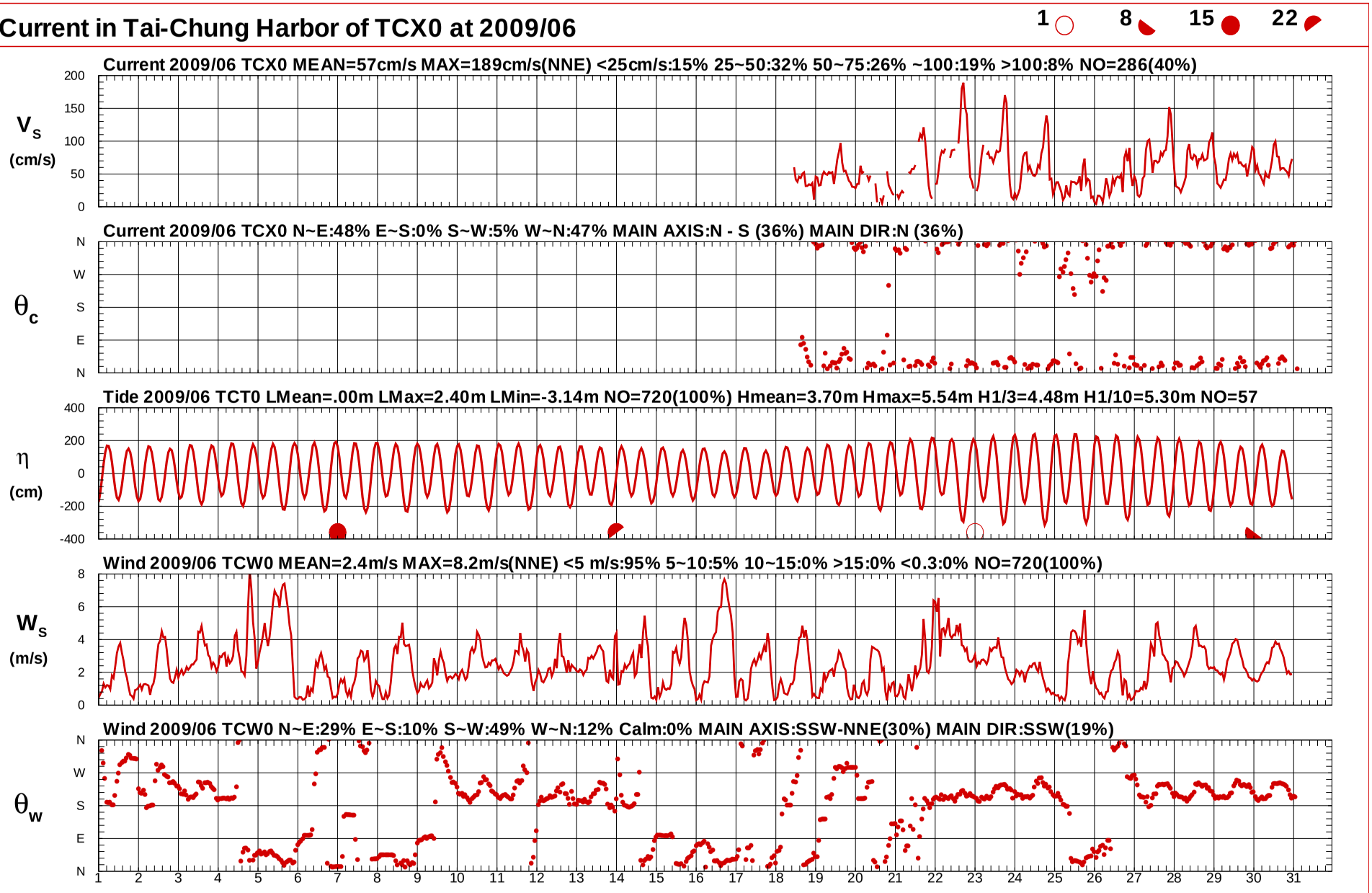


圖 4.3.1 2009年 6 月臺中港測站 X 海流 (潮位及風) 歷線圖

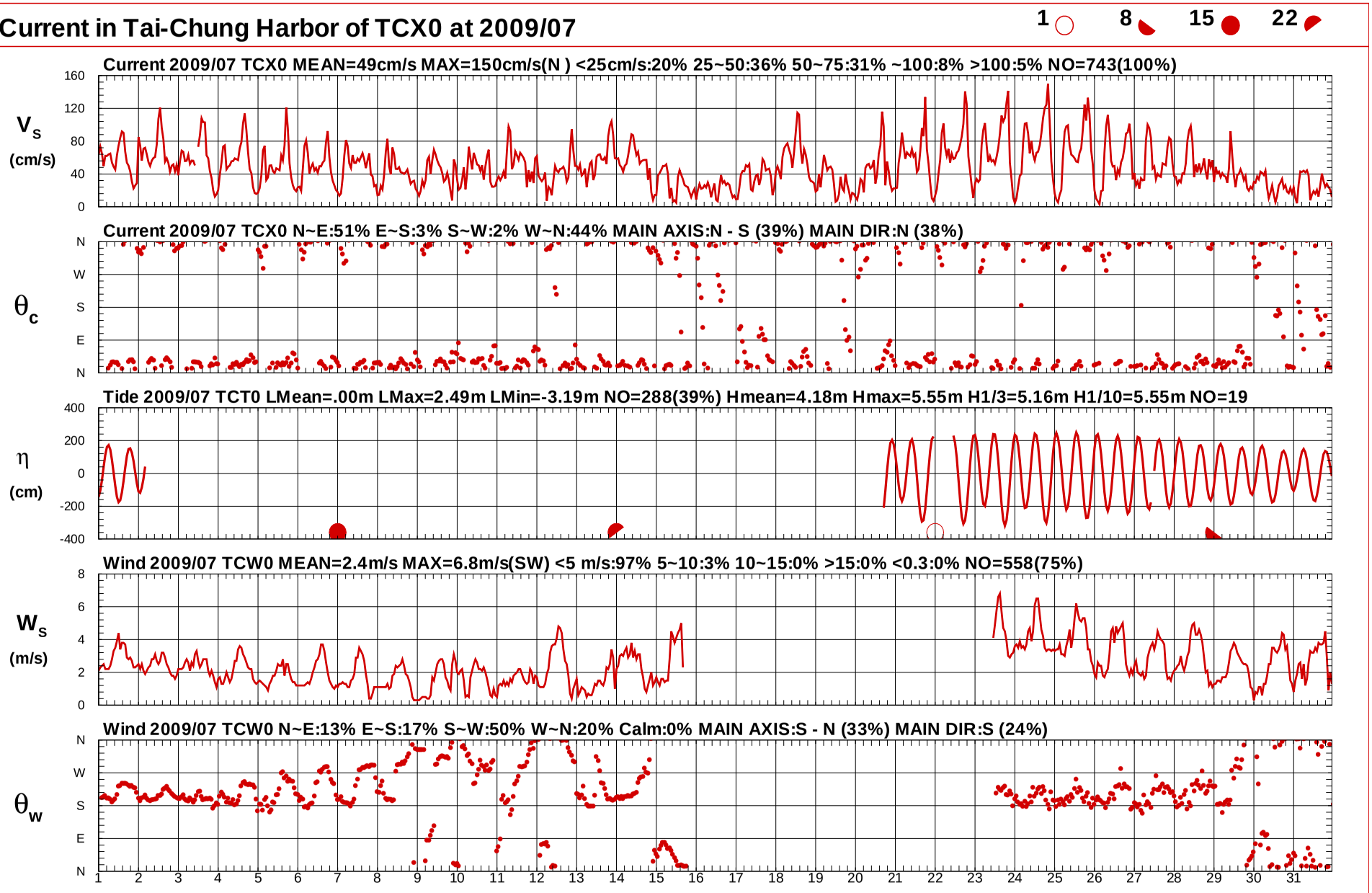


圖 4.3.2 2009年 7月臺中港測站 X 海流 (潮位及風) 歷線圖

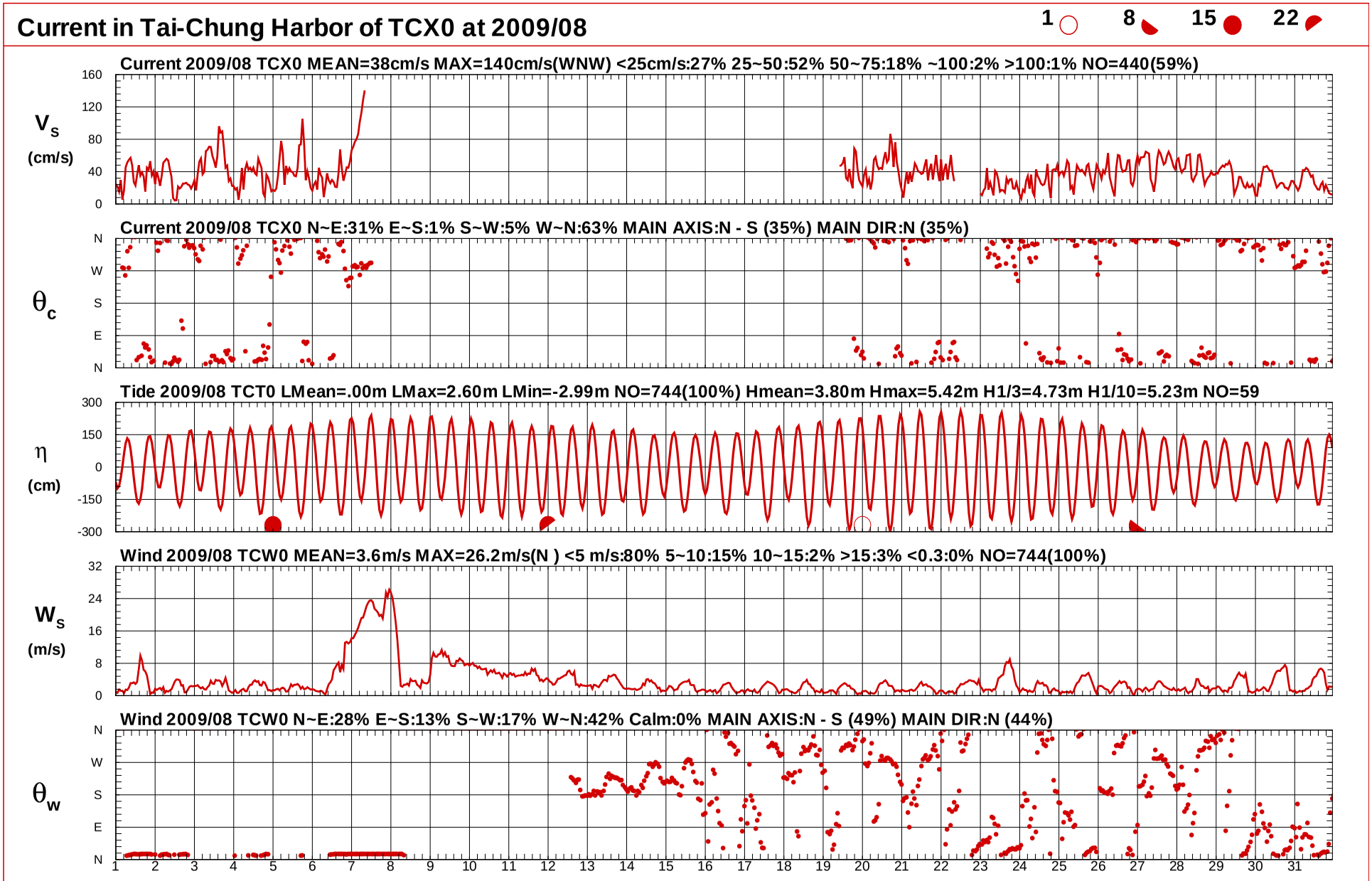


圖 4.3.3 2009年 8 月臺中港測站 X 海流 (潮位及風) 歷線圖

C098TCX0.1HA T098TCT0.1HA W098TCW0.1HA

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CURC1X.BAT(CURC1XH.DAT)

2010/11/08

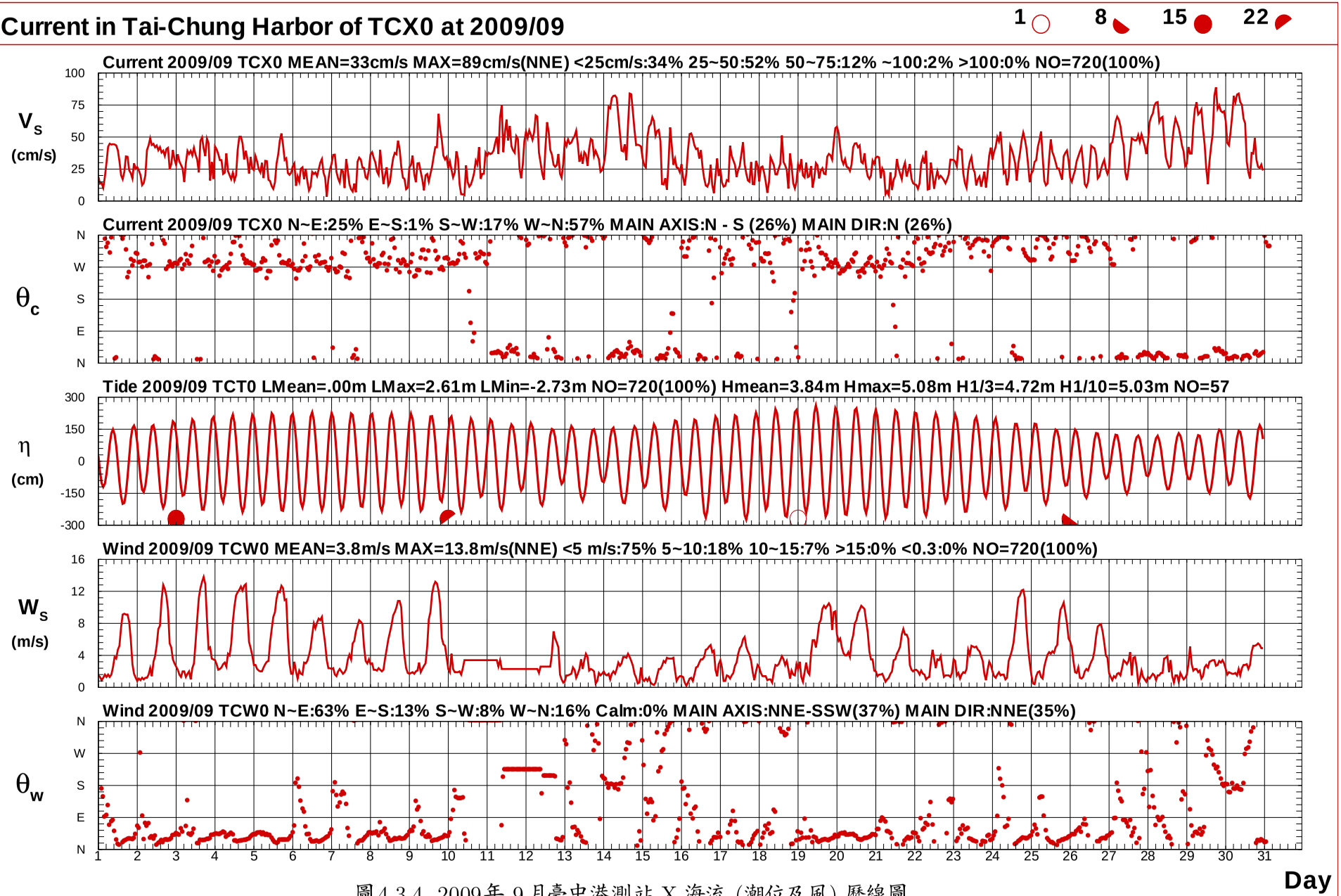


圖 4.3.4 2009年 9 月臺中港測站 X 海流 (潮位及風) 歷線圖

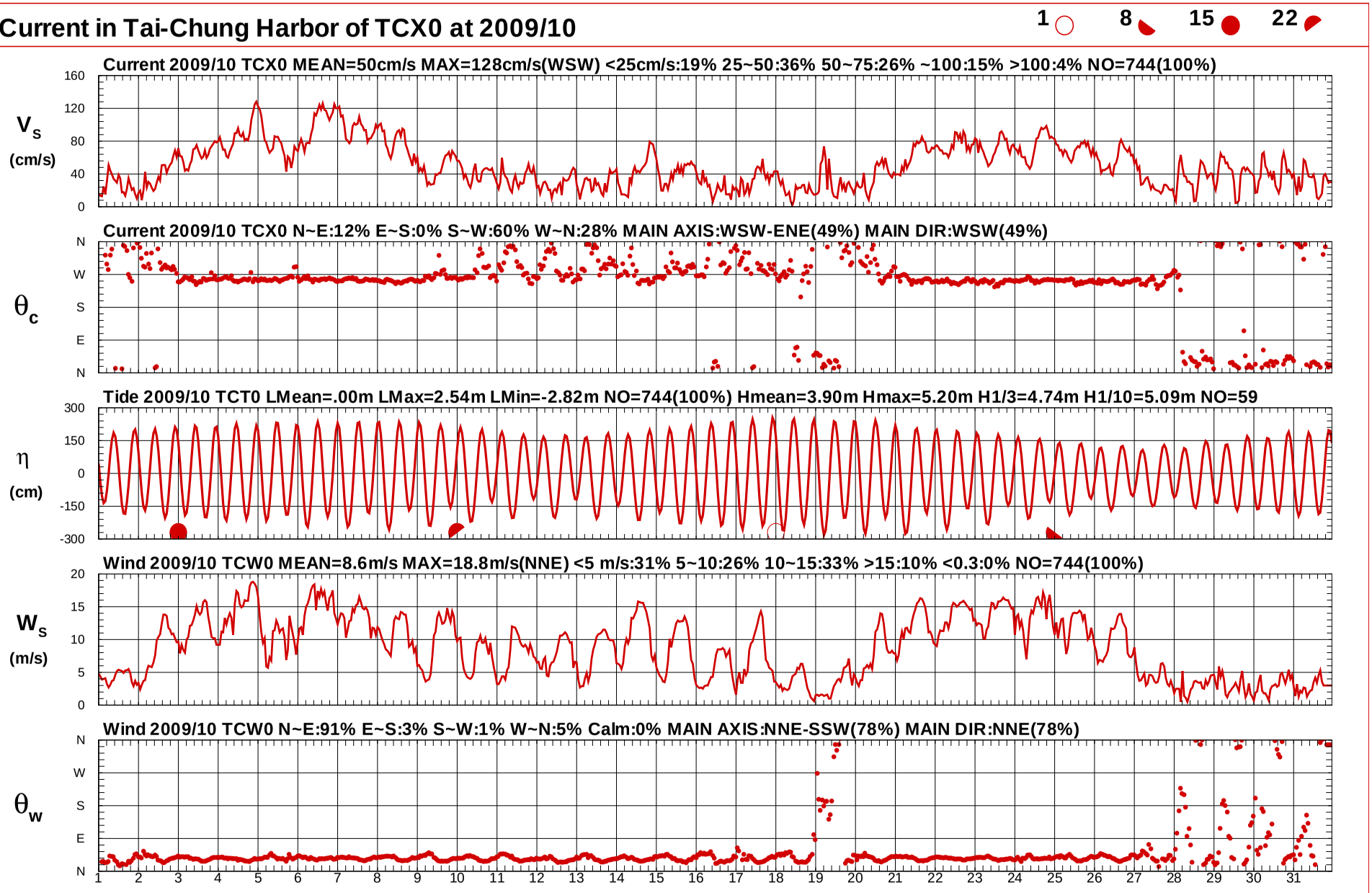


圖 4.3.5　2009年10月臺中港測站 X 海流 (潮位及風) 歷線圖

C09ATCX0.1HA　T09ATCT0.1HA　W09ATCW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

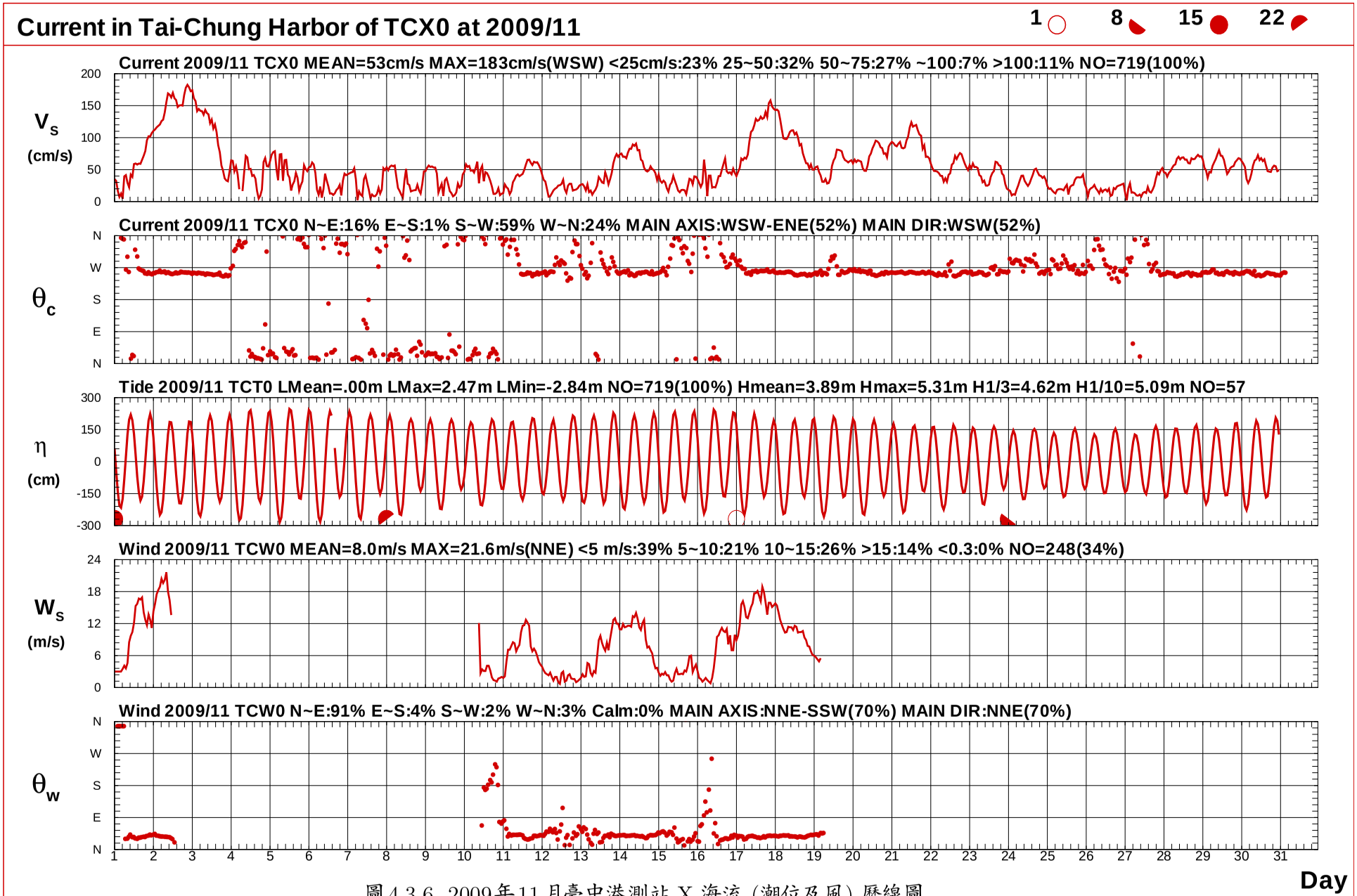


圖 4.3.6 2009年11月臺中港測站 X 海流 (潮位及風) 歷線圖

Current Speed in Tai-Chung Harbor of TCX0 at 2009

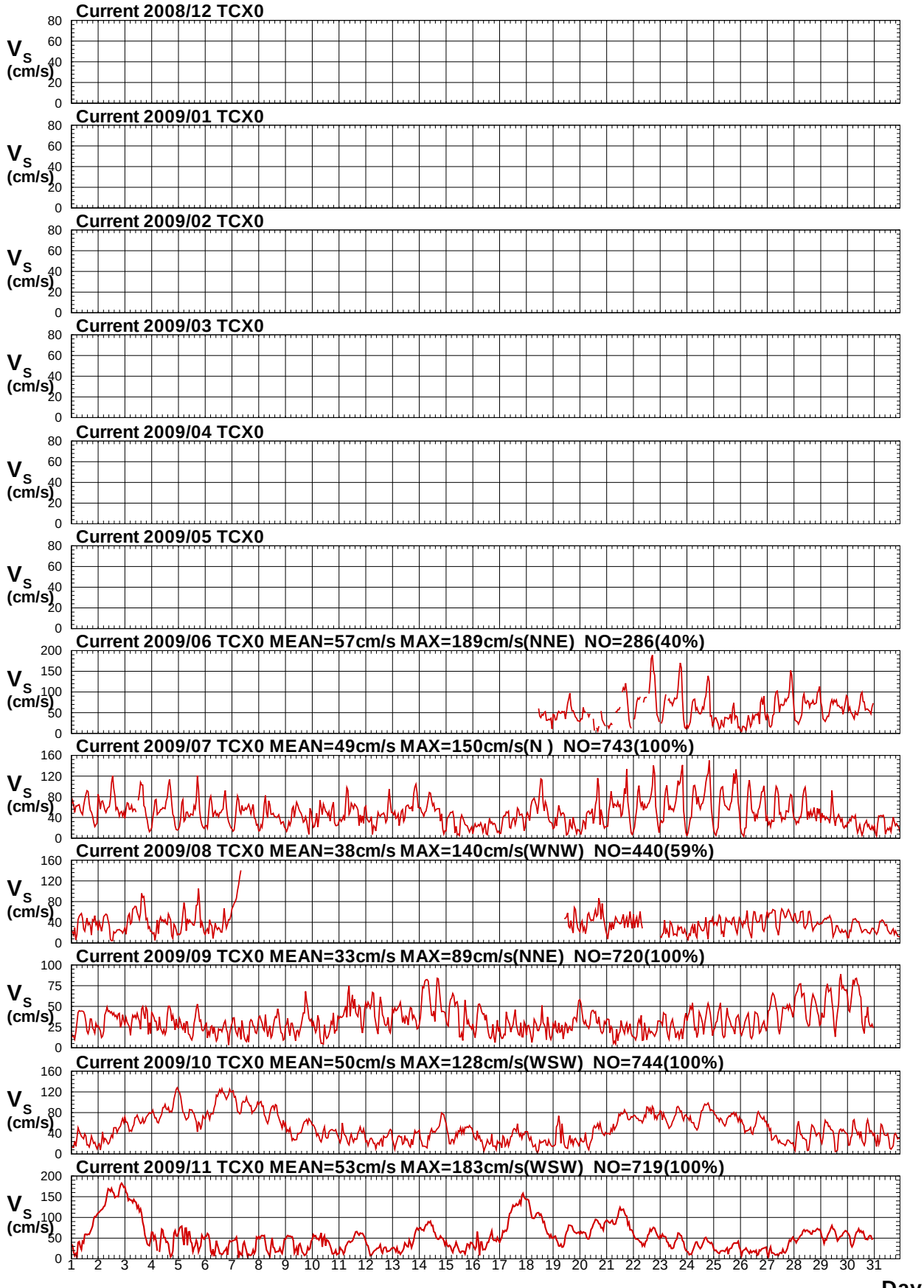


圖 4.3.7　2009年臺中港測站 X 觀測流速歷線圖

C08CTCX0.1HA C091TCX0.1HA C092TCX0.1HA C093TCX0.1HA C094TCX0.1HA C095TCX0.1HA
C096TCX0.1HA C097TCX0.1HA C098TCX0.1HA C099TCX0.1HA C09ATCX0.1HA C09BTCX0.1HA

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Current Direction in Tai-Chung Harbor of TCX0 at 2009

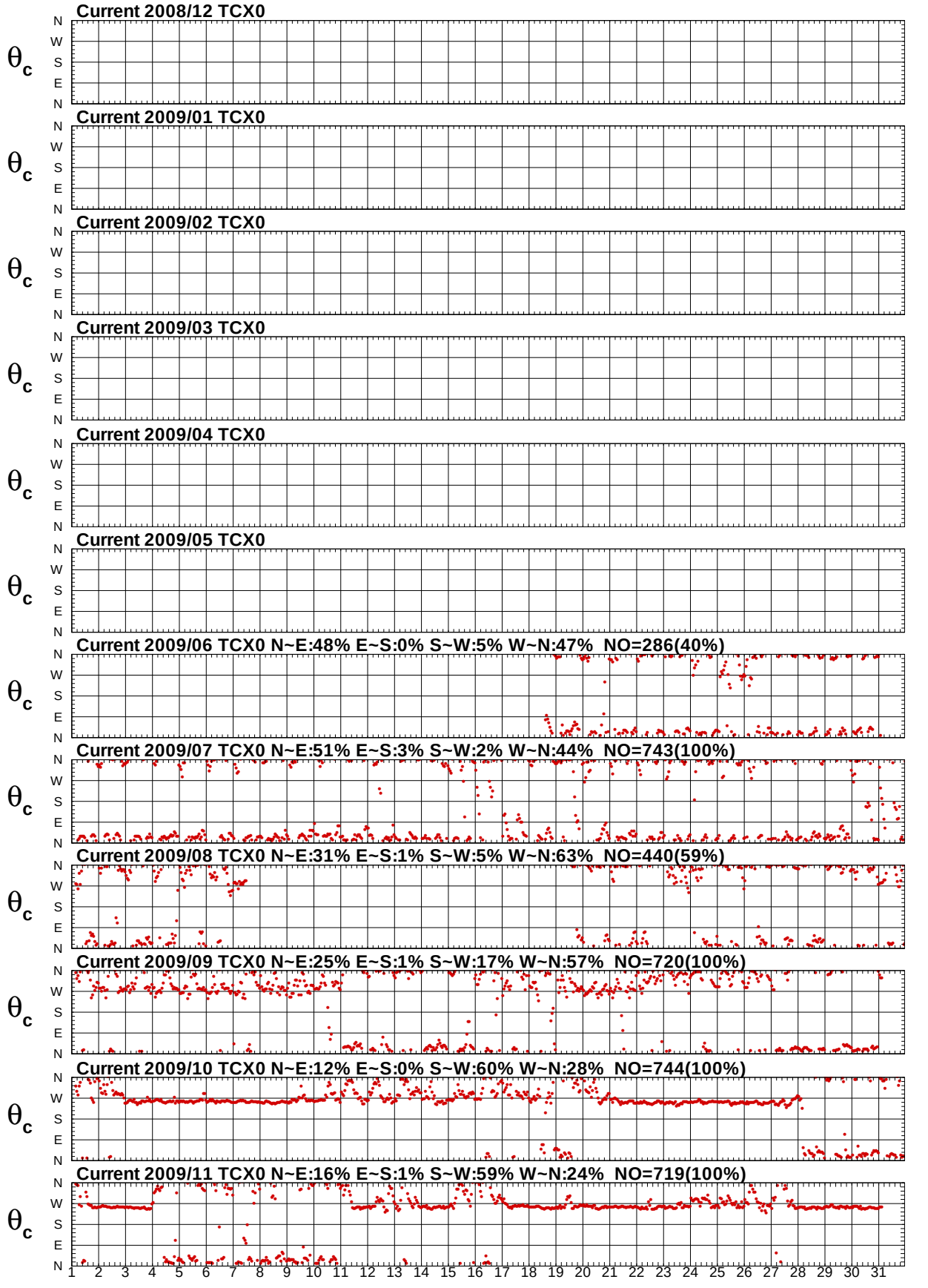


圖 4.3.8　2009年臺中港測站 X 觀測流向歷線圖

C08CTCX0.1HA C091TCX0.1HA C092TCX0.1HA C093TCX0.1HA C094TCX0.1HA C095TCX0.1HA
C096TCX0.1HA C097TCX0.1HA C098TCX0.1HA C099TCX0.1HA C09ATCX0.1HA C09BTCX0.1HA

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Current Vector in Tai-Chung Harbor of TCX0 at 2009

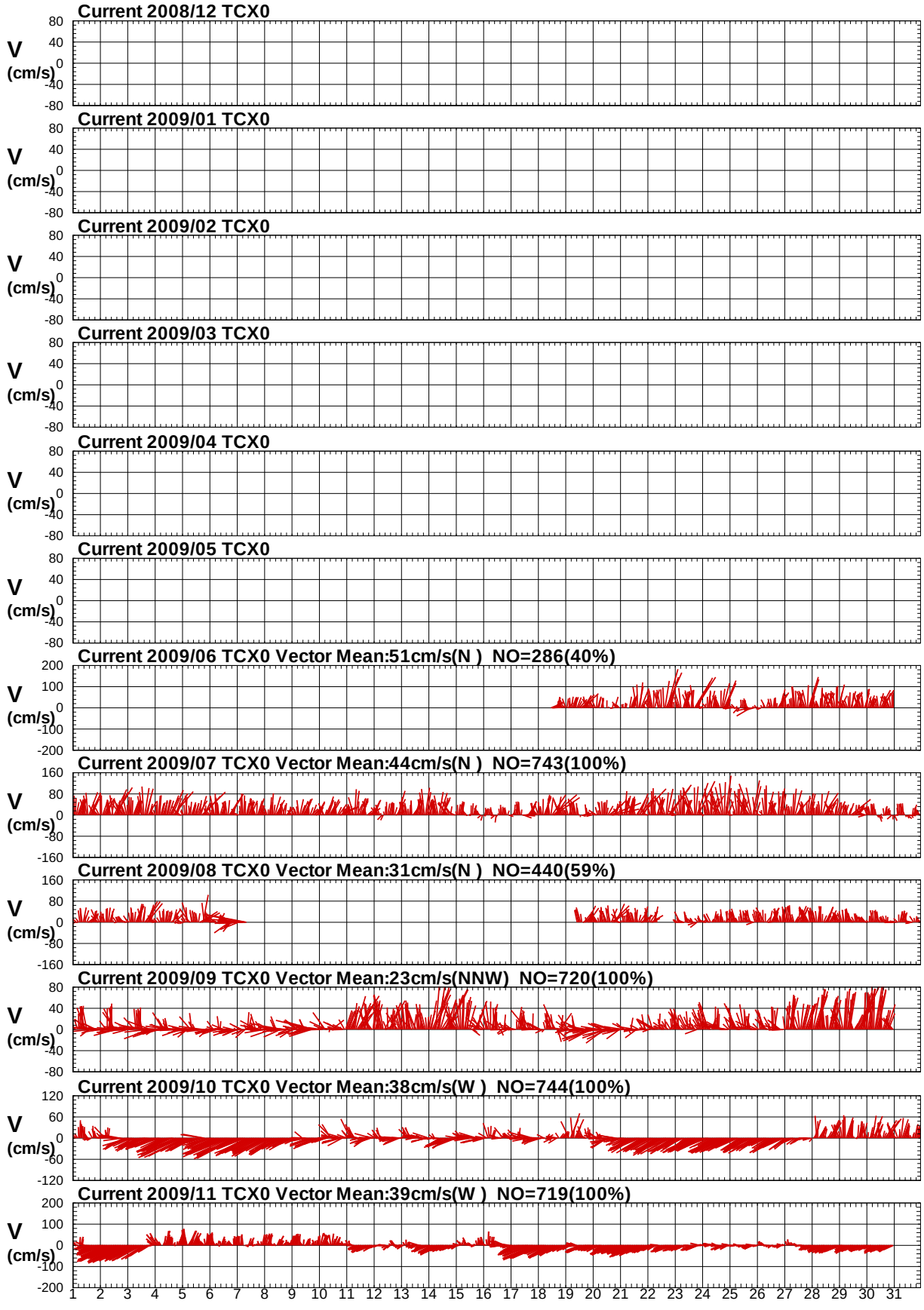


圖 4.3.9　2009年臺中港測站 X 觀測流矢圖

C08CTCX0.1HA C091TCX0.1HA C092TCX0.1HA C093TCX0.1HA C094TCX0.1HA C095TCX0.1HA
C096TCX0.1HA C097TCX0.1HA C098TCX0.1HA C099TCX0.1HA C09ATCX0.1HA C09BTCX0.1HA

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Current Speed in Tai-Chung Harbor of Cal. at 2009

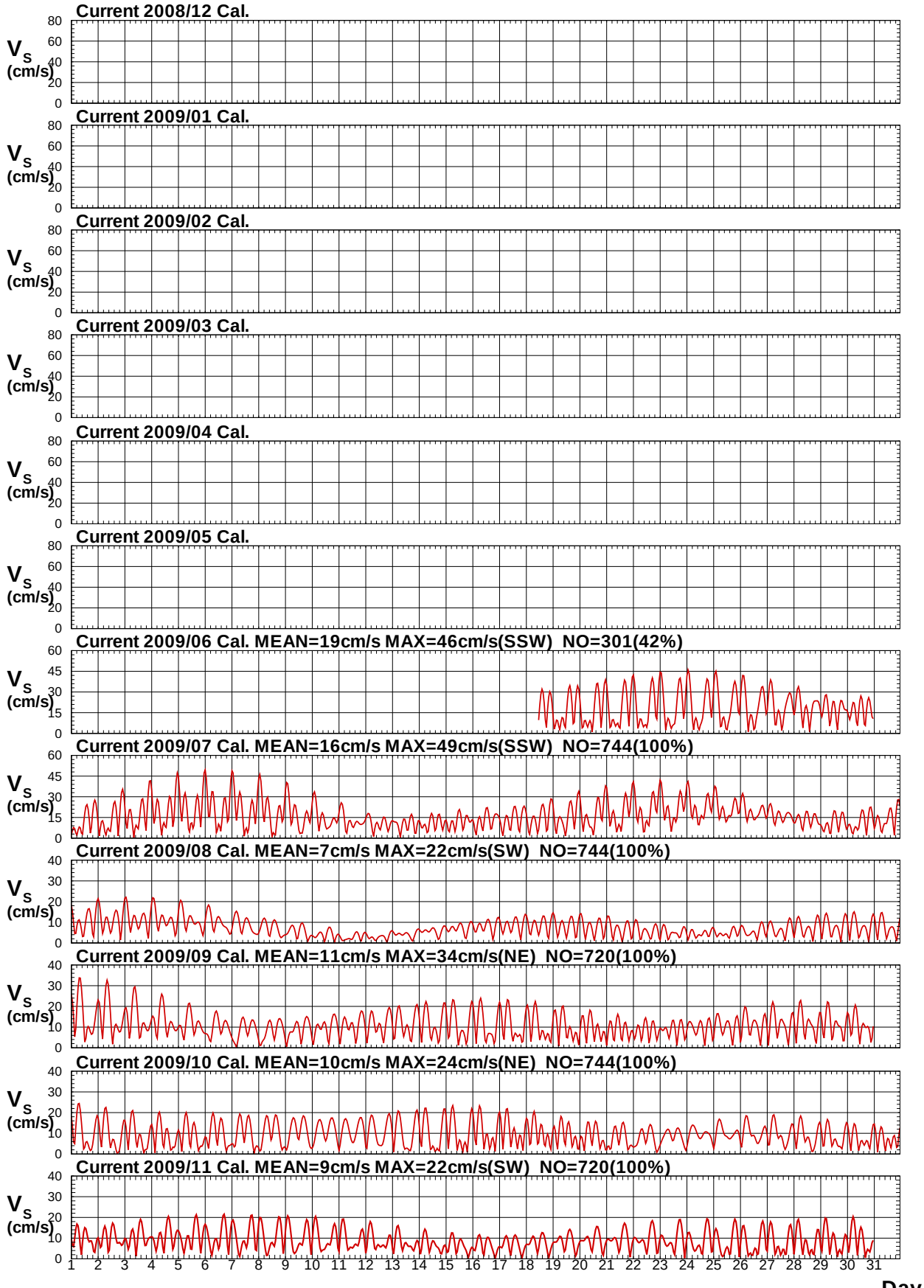


圖 4.3.10　2009年臺中港測站 X 潮流流速歷線圖

C08CTCX0.1HC C091TCX0.1HC C092TCX0.1HC C093TCX0.1HC C094TCX0.1HC C095TCX0.1HC
C096TCX0.1HC C097TCX0.1HC C098TCX0.1HC C099TCX0.1HC C09ATCX0.1HC C09BTCX0.1HC

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Current Direction in Tai-Chung Harbor of Cal. at 2009

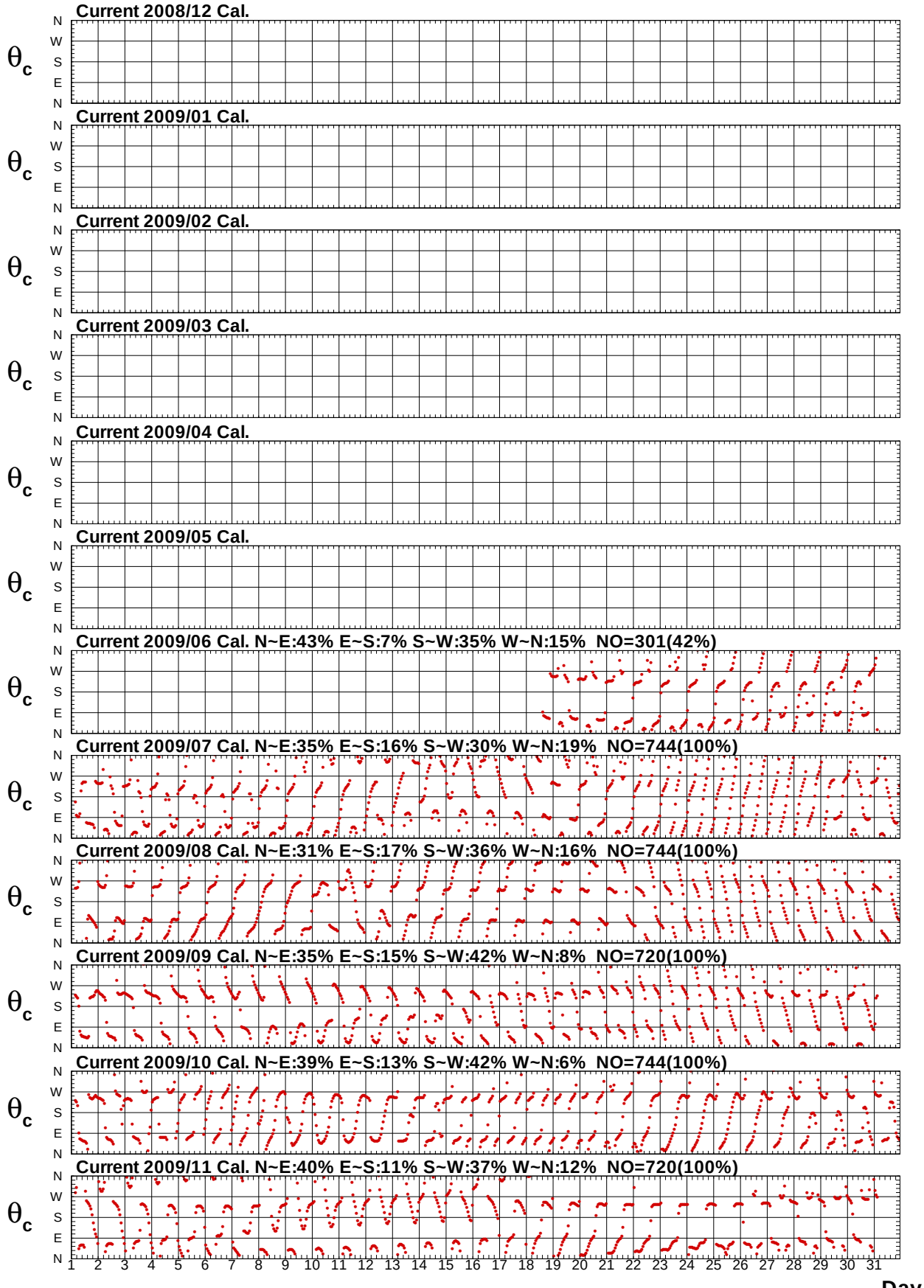


圖 4.3.11　2009年臺中港測站 X 潮流流向歷線圖

C08CTCX0.1HC C091TCX0.1HC C092TCX0.1HC C093TCX0.1HC C094TCX0.1HC C095TCX0.1HC
C096TCX0.1HC C097TCX0.1HC C098TCX0.1HC C099TCX0.1HC C09ATCX0.1HC C09BTCX0.1HC

Institute of Harbor & Marine Technology

Current Vector in Tai-Chung Harbor of Cal. at 2009

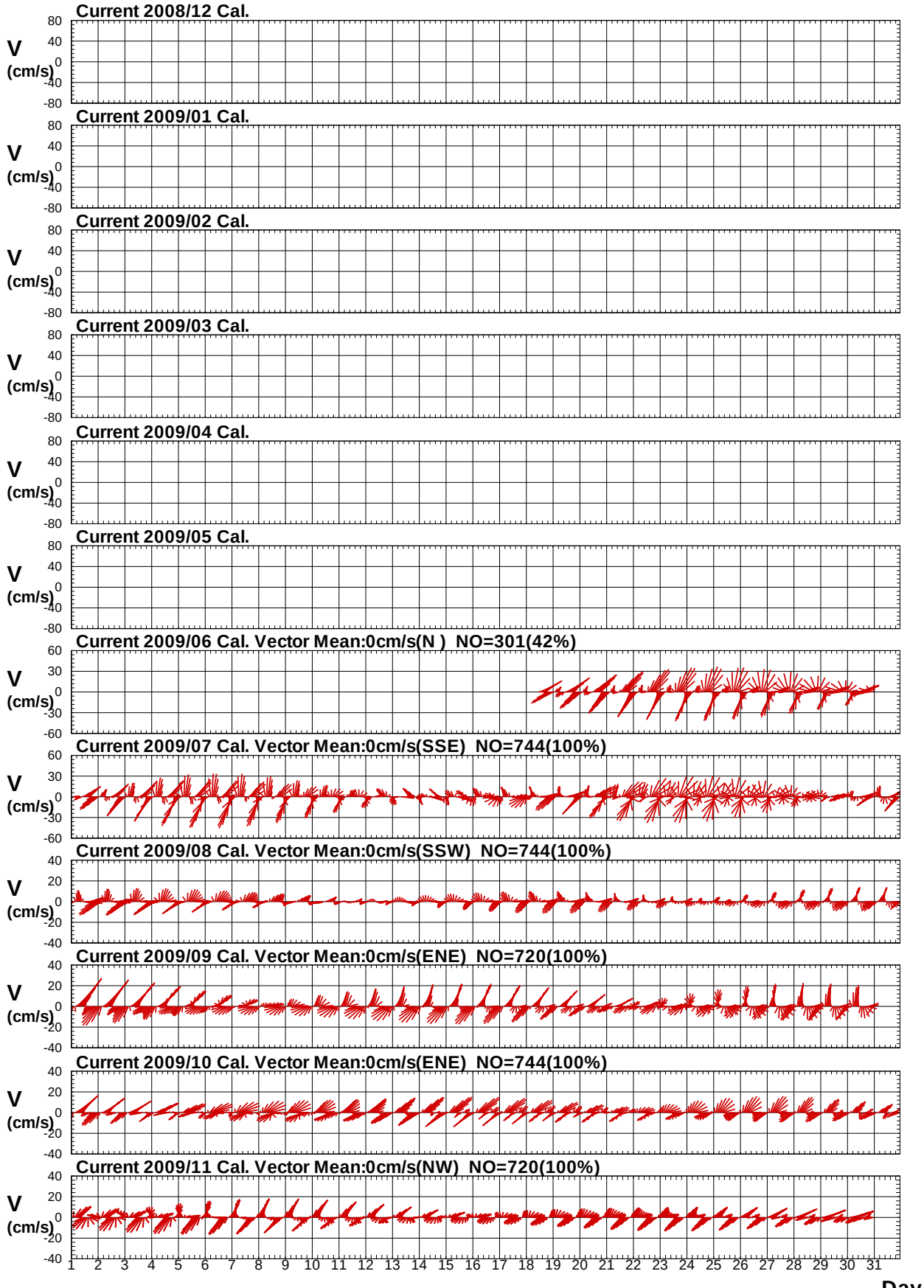


圖 4.3.12　2009年臺中港測站 X 潮流流矢圖

C08CTCX0.1HC C091TCX0.1HC C092TCX0.1HC C093TCX0.1HC C094TCX0.1HC C095TCX0.1HC
C096TCX0.1HC C097TCX0.1HC C098TCX0.1HC C099TCX0.1HC C09ATCX0.1HC C09BTCX0.1HC

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Current Speed in Tai-Chung Harbor of TCX0 at 2009

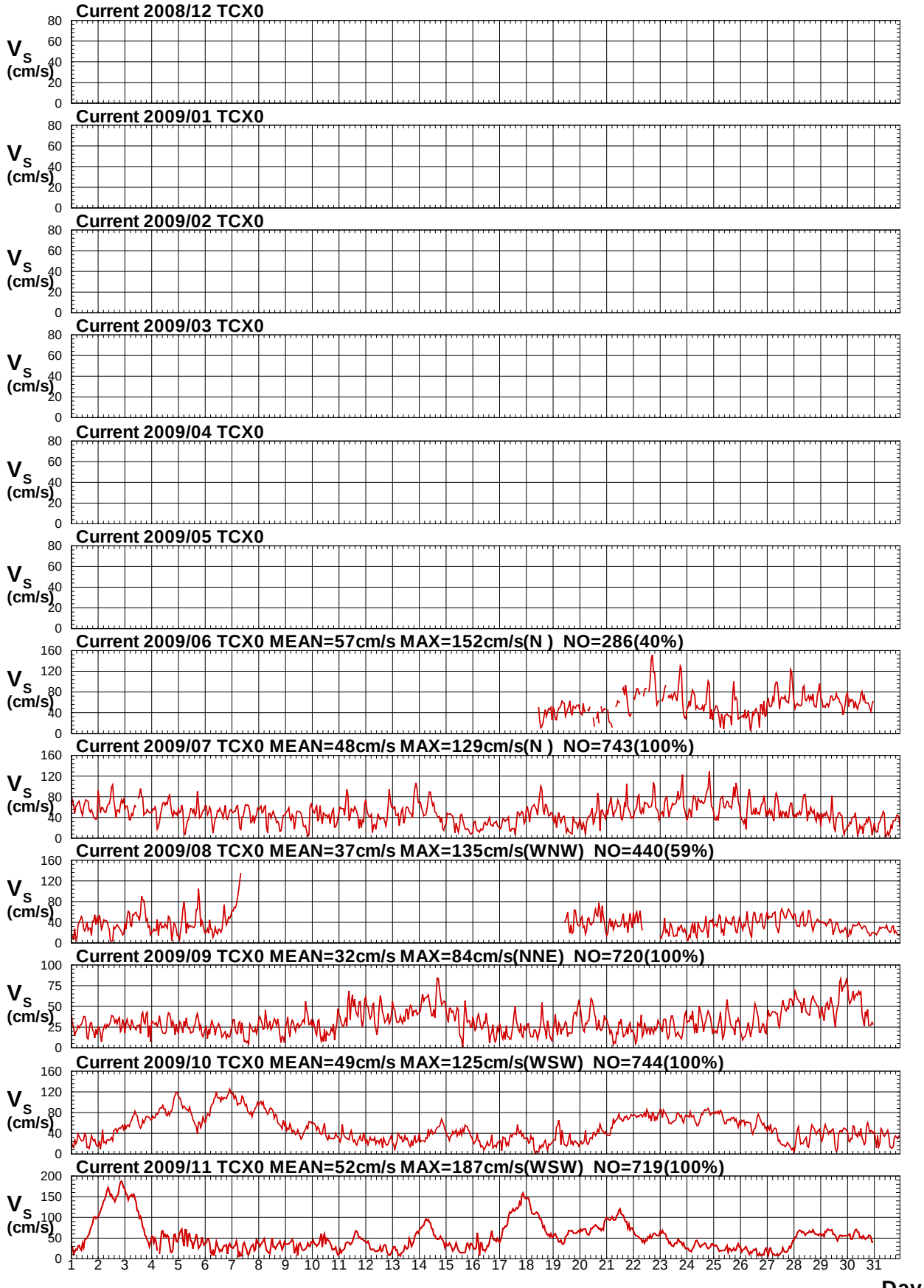


圖 4.3.13　2009年臺中港測站 X 非潮流速歷線圖

C08CTCX0.1HR C091TCX0.1HR C092TCX0.1HR C093TCX0.1HR C094TCX0.1HR C095TCX0.1HR
C096TCX0.1HR C097TCX0.1HR C098TCX0.1HR C099TCX0.1HR C09ATCX0.1HR C09BTCX0.1HR

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Current Direction in Tai-Chung Harbor of TCX0 at 2009

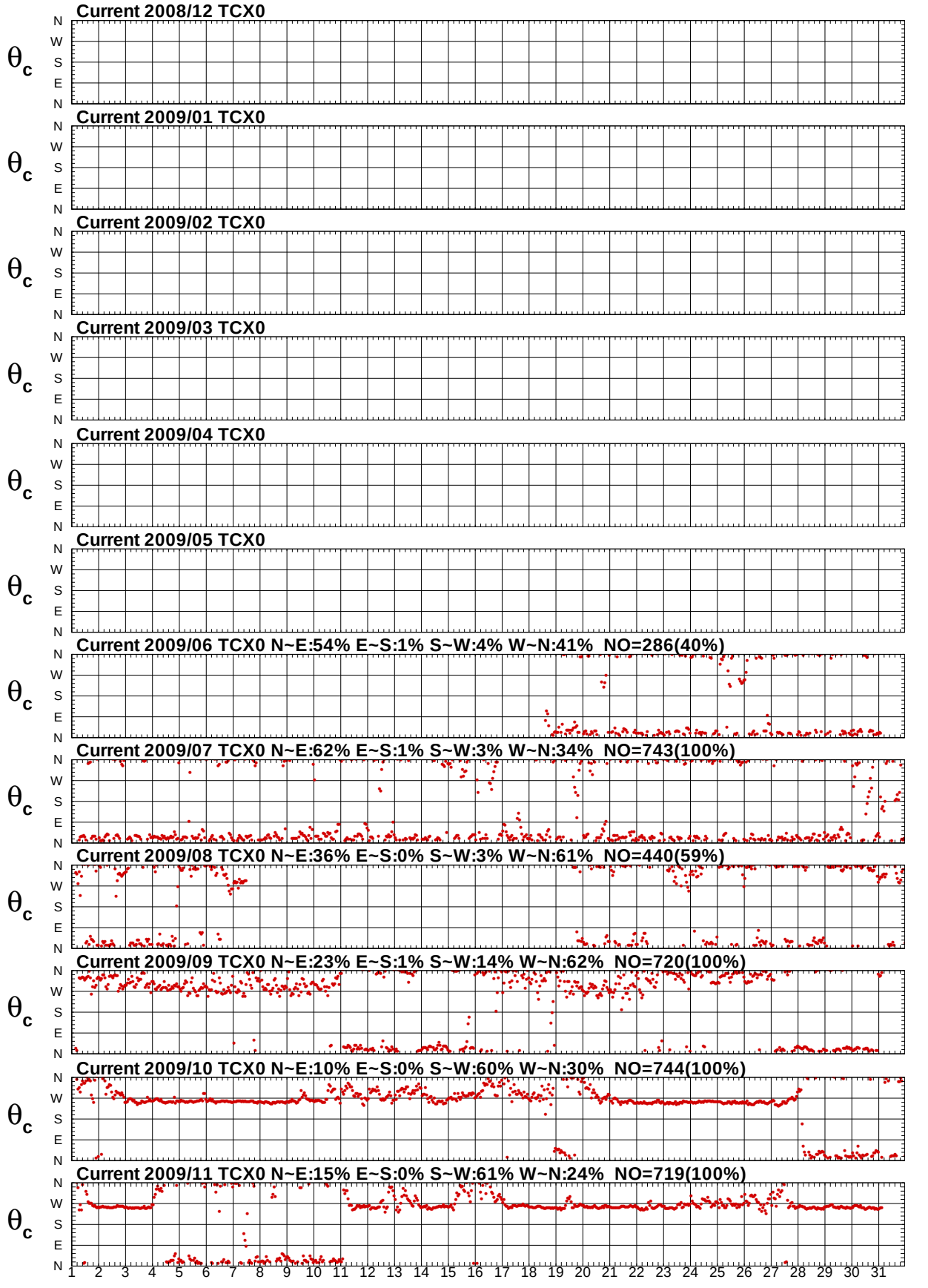


圖4.3.14　2009年臺中港測站 X 非潮流向歷線圖

C08CTCX0.1HR C091TCX0.1HR C092TCX0.1HR C093TCX0.1HR C094TCX0.1HR C095TCX0.1HR
C096TCX0.1HR C097TCX0.1HR C098TCX0.1HR C099TCX0.1HR C09ATCX0.1HR C09BTCX0.1HR

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Current Vector in Tai-Chung Harbor of TCX0 at 2009

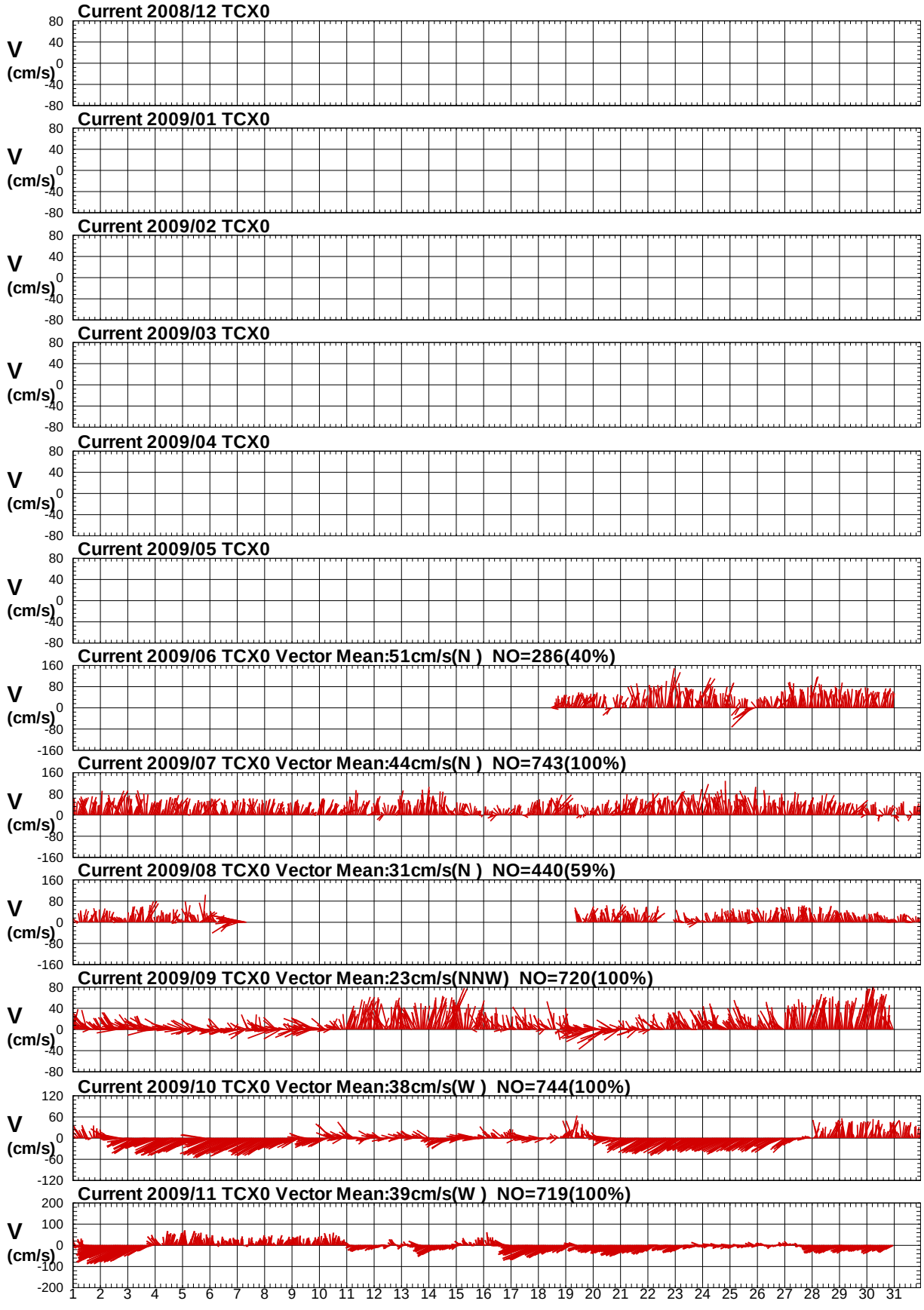


圖 4.3.15　2009年臺中港測站 X 非潮流矢圖

C08CTCX0.1HR C091TCX0.1HR C092TCX0.1HR C093TCX0.1HR C094TCX0.1HR C095TCX0.1HR
C096TCX0.1HR C097TCX0.1HR C098TCX0.1HR C099TCX0.1HR C09ATCX0.1HR C09BTCX0.1HR

Institute of Harbor & Marine Technology

Current Speed in Tai-Chung Harbor of TCX0 at 2009

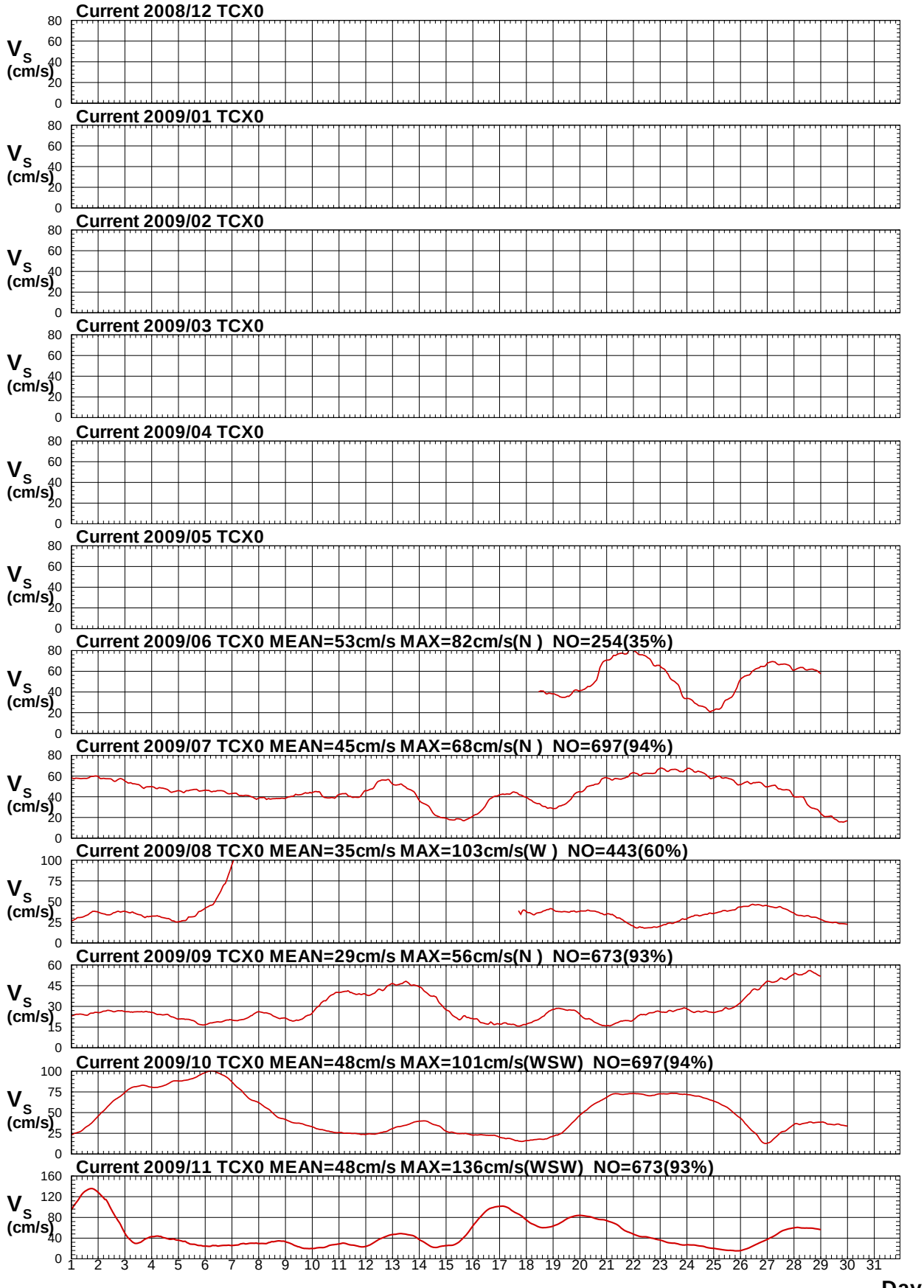


圖 4.3.16　2009年臺中港 X 站48時平均流速歷線圖

C08CTCX0.48H C091TCX0.48H C092TCX0.48H C093TCX0.48H C094TCX0.48H C095TCX0.48H
C096TCX0.48H C097TCX0.48H C098TCX0.48H C099TCX0.48H C09ATCX0.48H C09BTCX0.48H

Institute of Harbor & Marine Technology

Current Direction in Tai-Chung Harbor of TCX0 at 2009

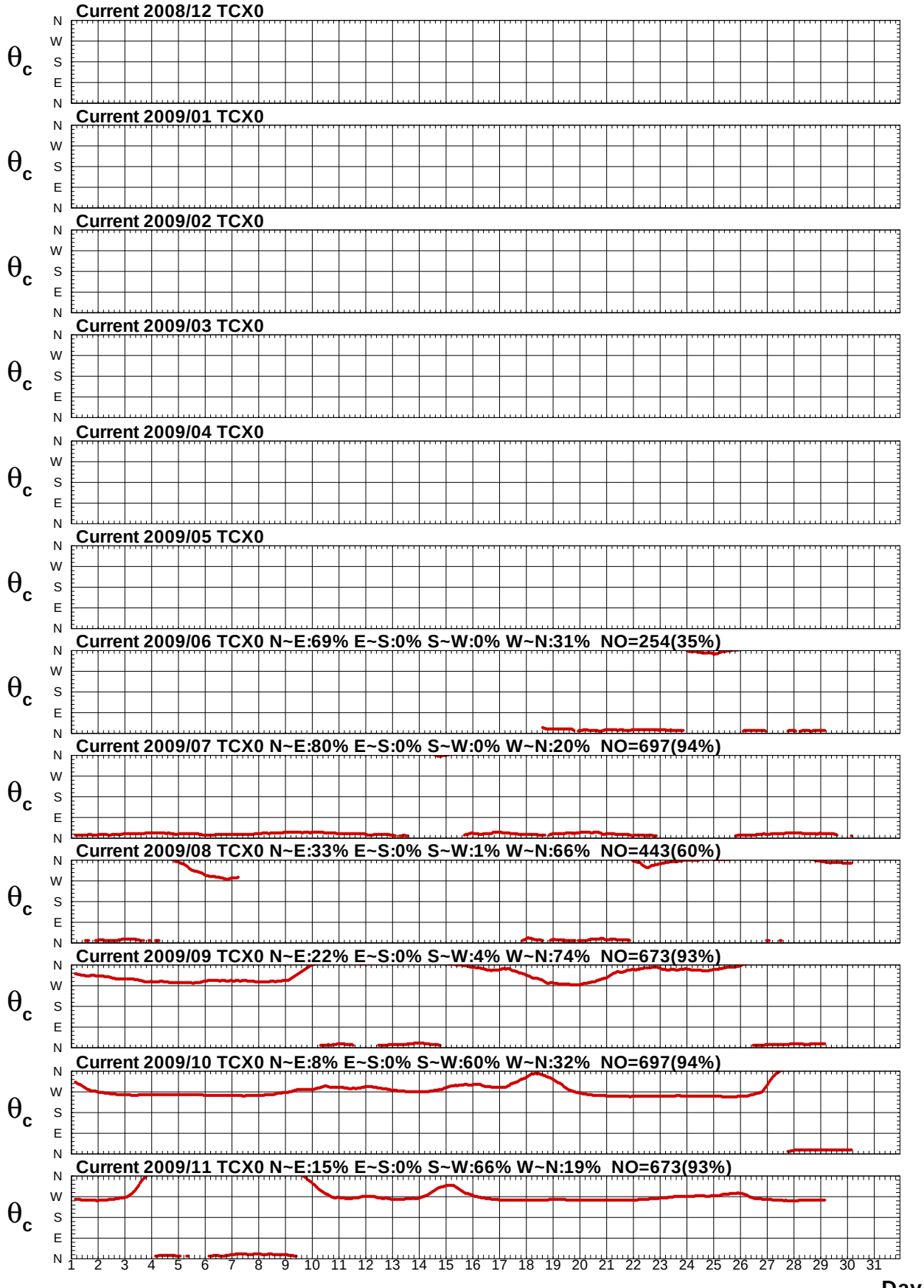


圖 4.3.17　2009年臺中港 X 站48時平均流向歷線圖

C08CTCX0.48H C091TCX0.48H C092TCX0.48H C093TCX0.48H C094TCX0.48H C095TCX0.48H
C096TCX0.48H C097TCX0.48H C098TCX0.48H C099TCX0.48H C09ATCX0.48H C09BTCX0.48H

Institute of Harbor & Marine Technology

Current Vector in Tai-Chung Harbor of TCX0 at 2009

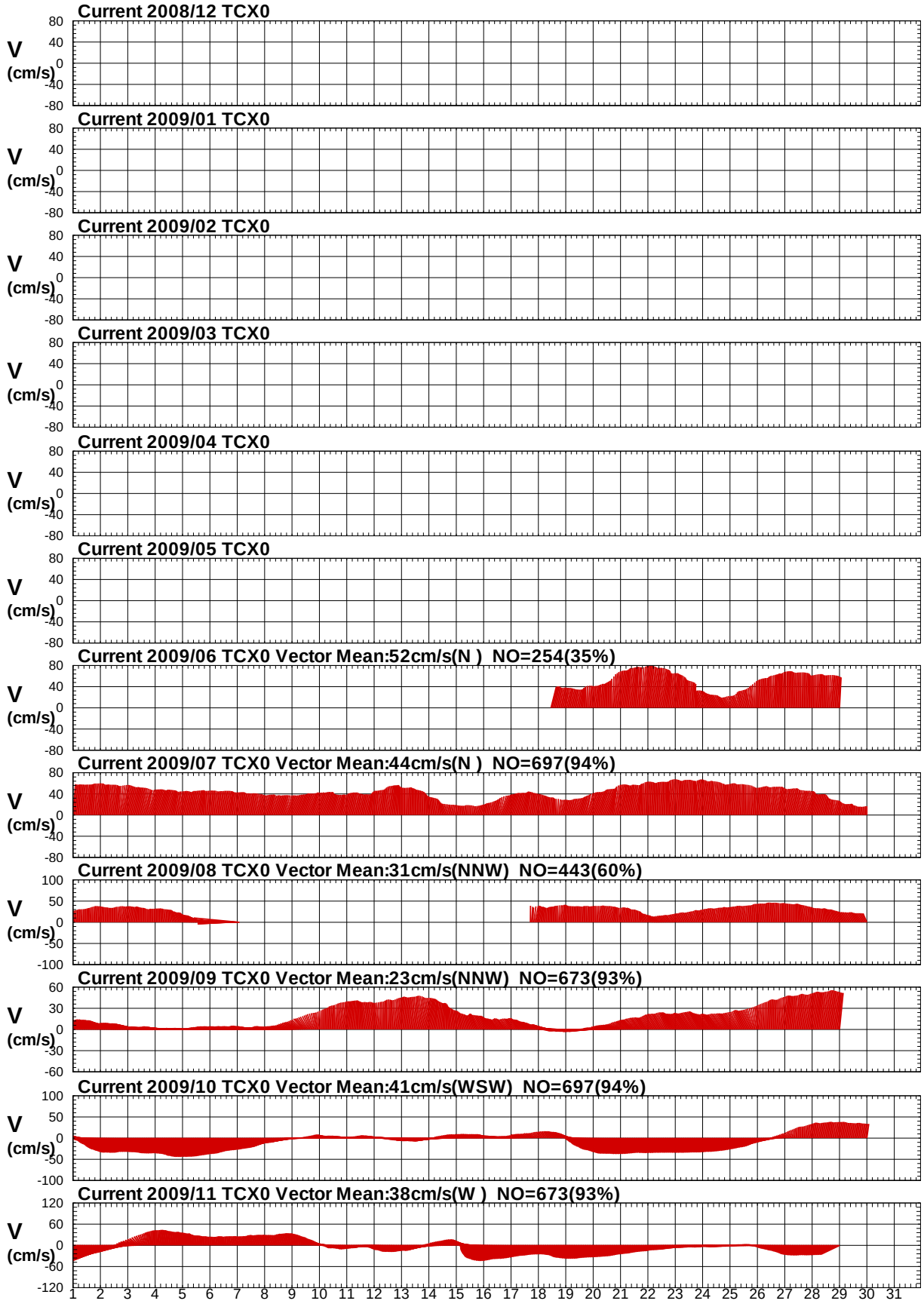


圖 4.3.18　2009年臺中港 X 站48時平均流矢圖

C08CTCX0.48H C091TCX0.48H C092TCX0.48H C093TCX0.48H C094TCX0.48H C095TCX0.48H
C096TCX0.48H C097TCX0.48H C098TCX0.48H C099TCX0.48H C09ATCX0.48H C09BTCX0.48H

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4.4　2009年安平港逐時海流月歷線圖
(逐時觀測海流歷線圖)
(逐時純潮流歷線圖)
(逐時非潮流歷線圖)
(48時向量平均海流歷線圖)

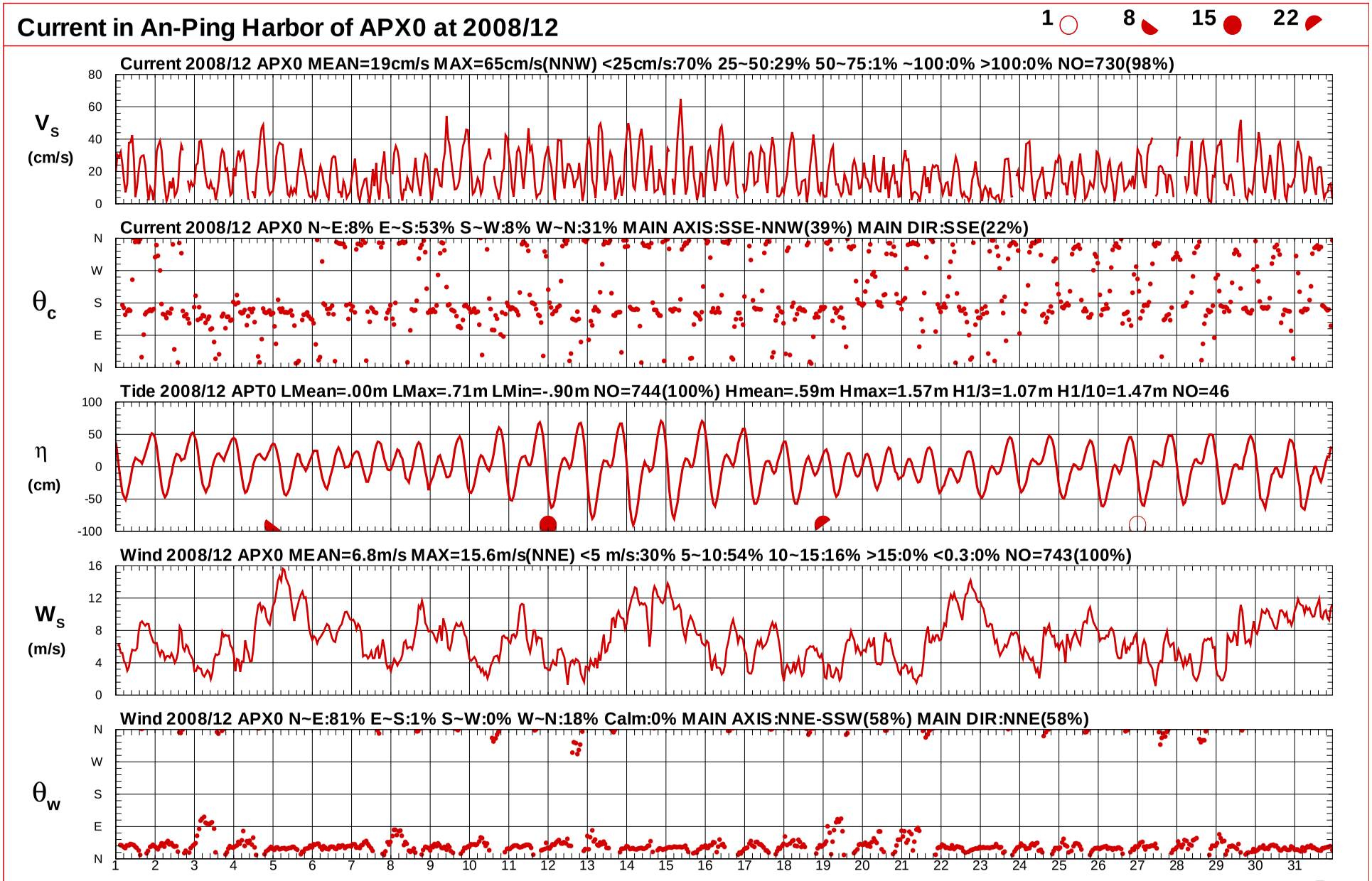


圖 4.4.1 2008年12月安平港測站 X 海流 (潮位及風) 歷線圖

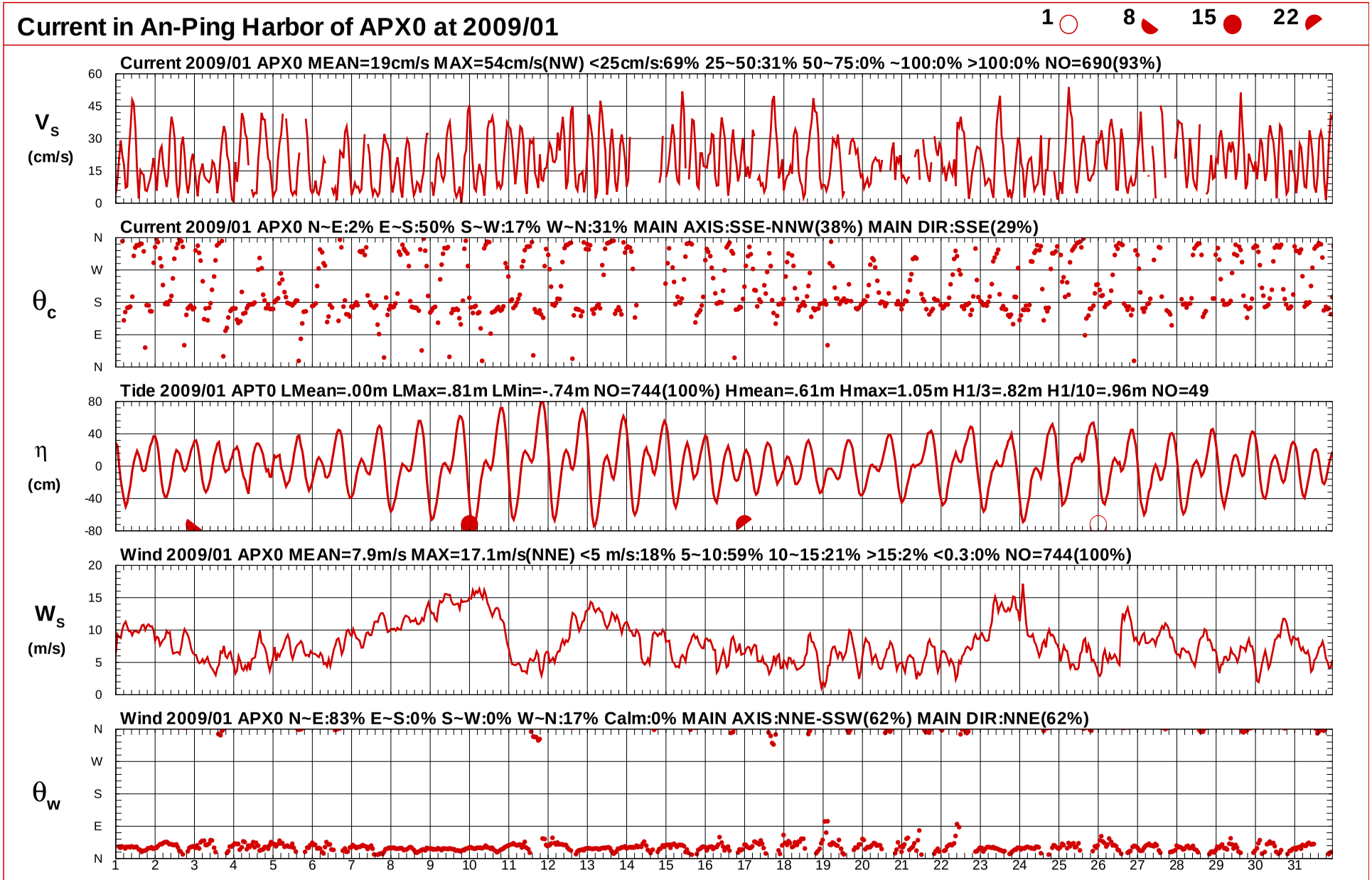


圖 4.4.2 2009年 1 月安平港測站 X 海流 (潮位及風) 歷線圖

C091APX0.1HA T091APT0.1HA W091APX0.1HA

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CURC1X.BAT(CURC1XH.DAT)

2010/11/08

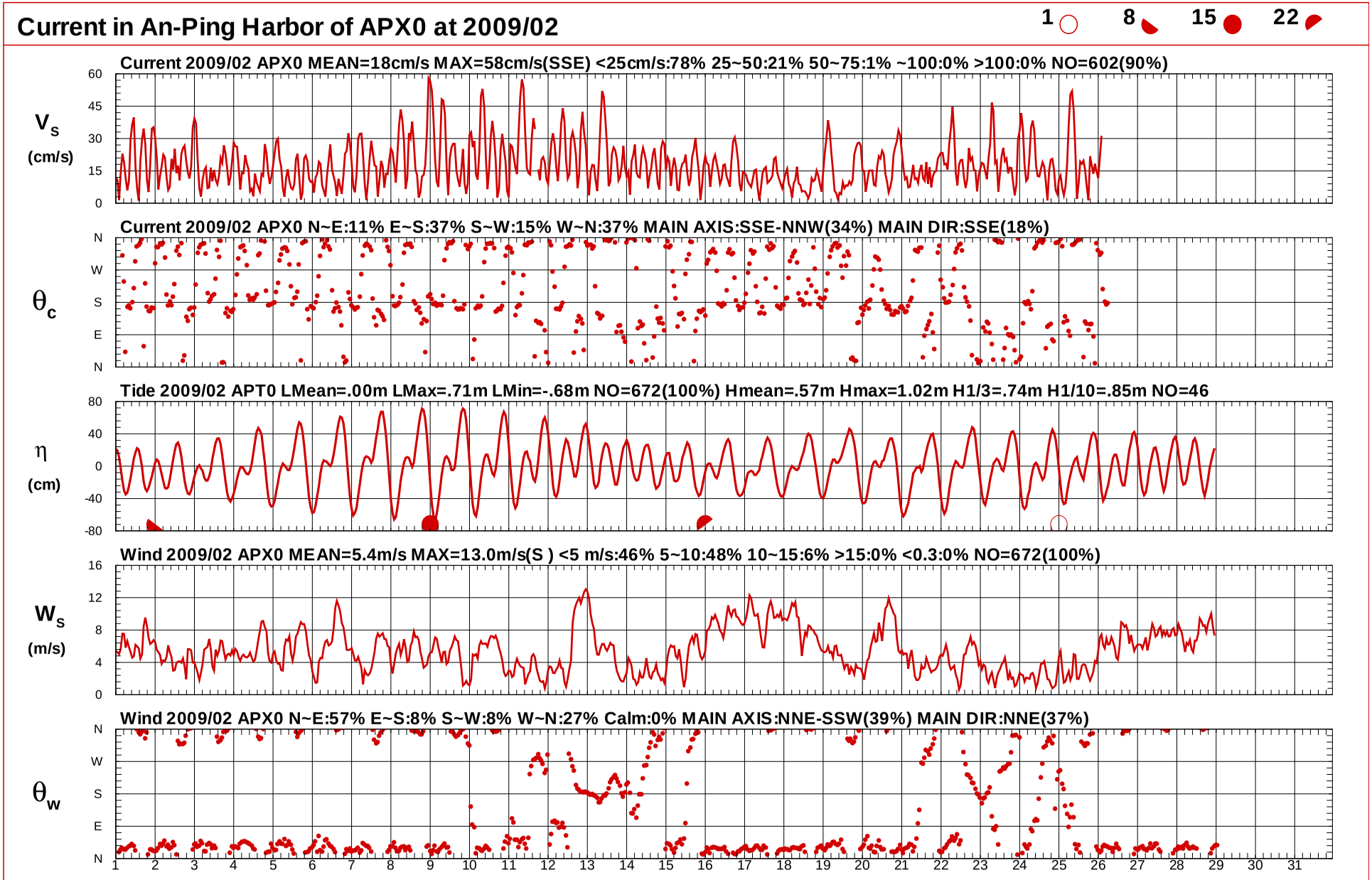


圖 4.4.3 2009年 2月安平港測站 X 海流 (潮位及風) 歷線圖

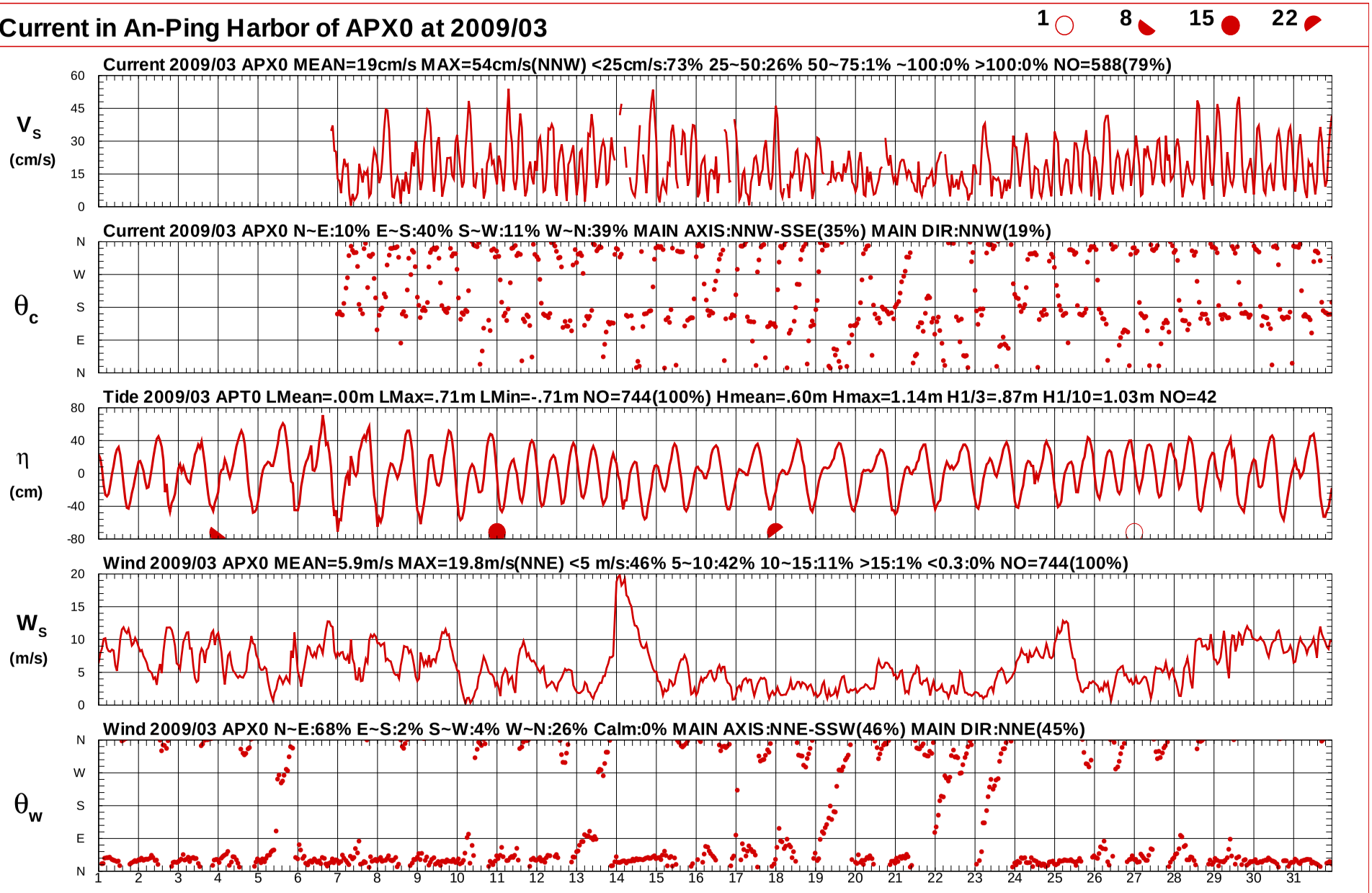


圖 4.4.4 2009年 3 月安平港測站 X 海流 (潮位及風) 歷線圖

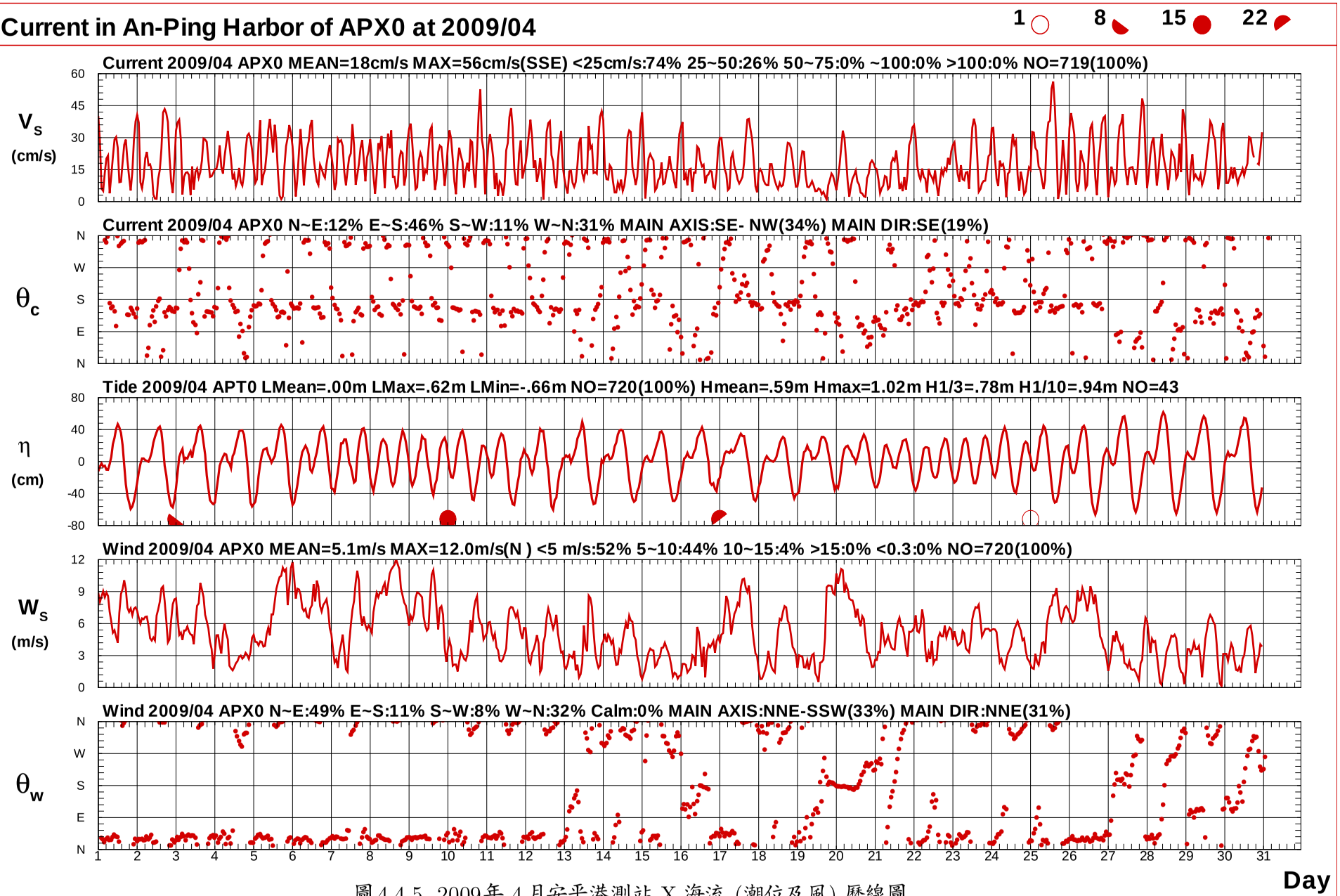


圖 4.4.5 2009年 4 月安平港測站 X 海流 (潮位及風) 歷線圖

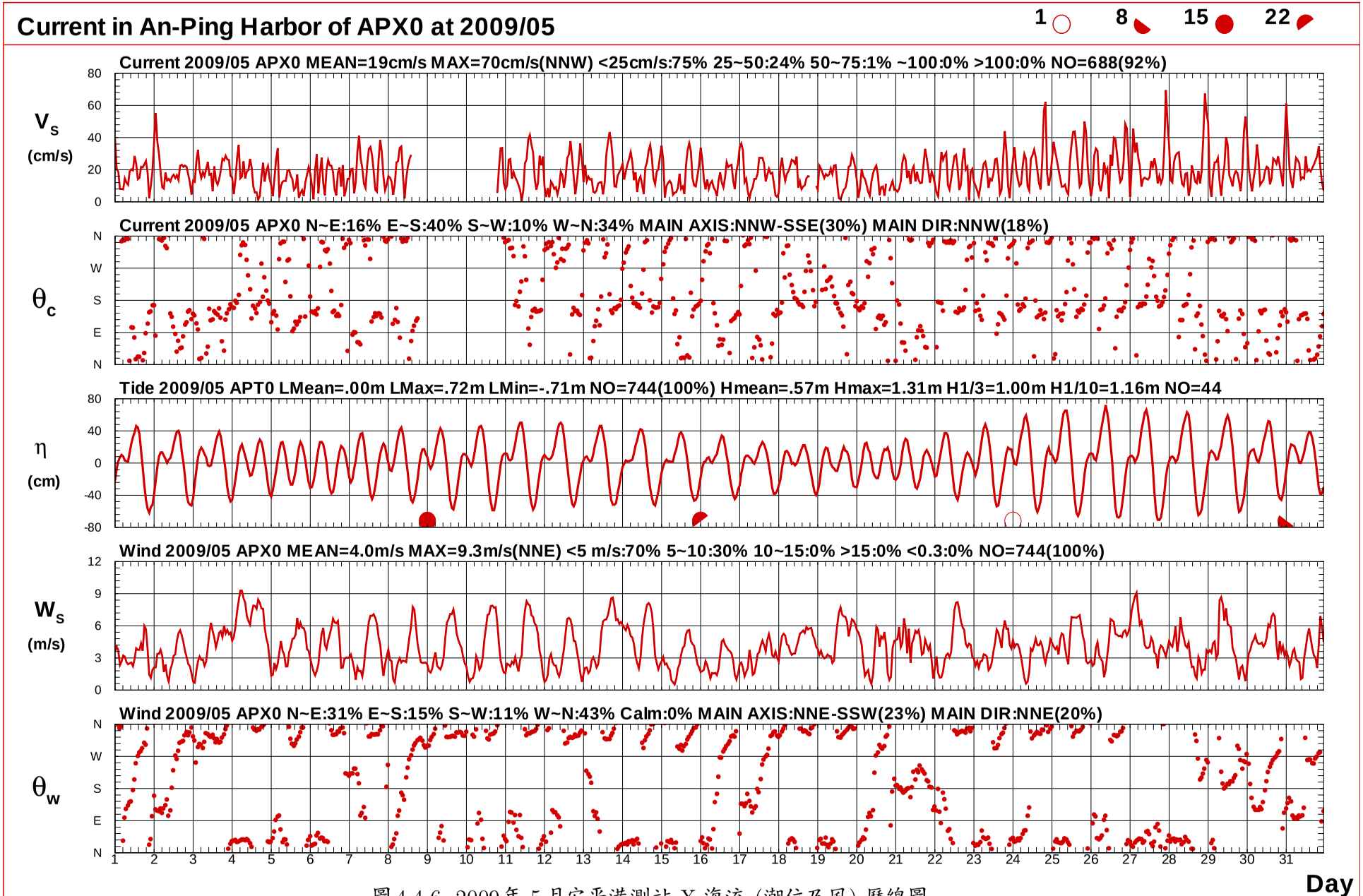


圖 4.4.6 2009年 5 月安平港測站 X 海流 (潮位及風) 歷線圖

C095APX0.1HA T095APT0.1HA W095APX0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

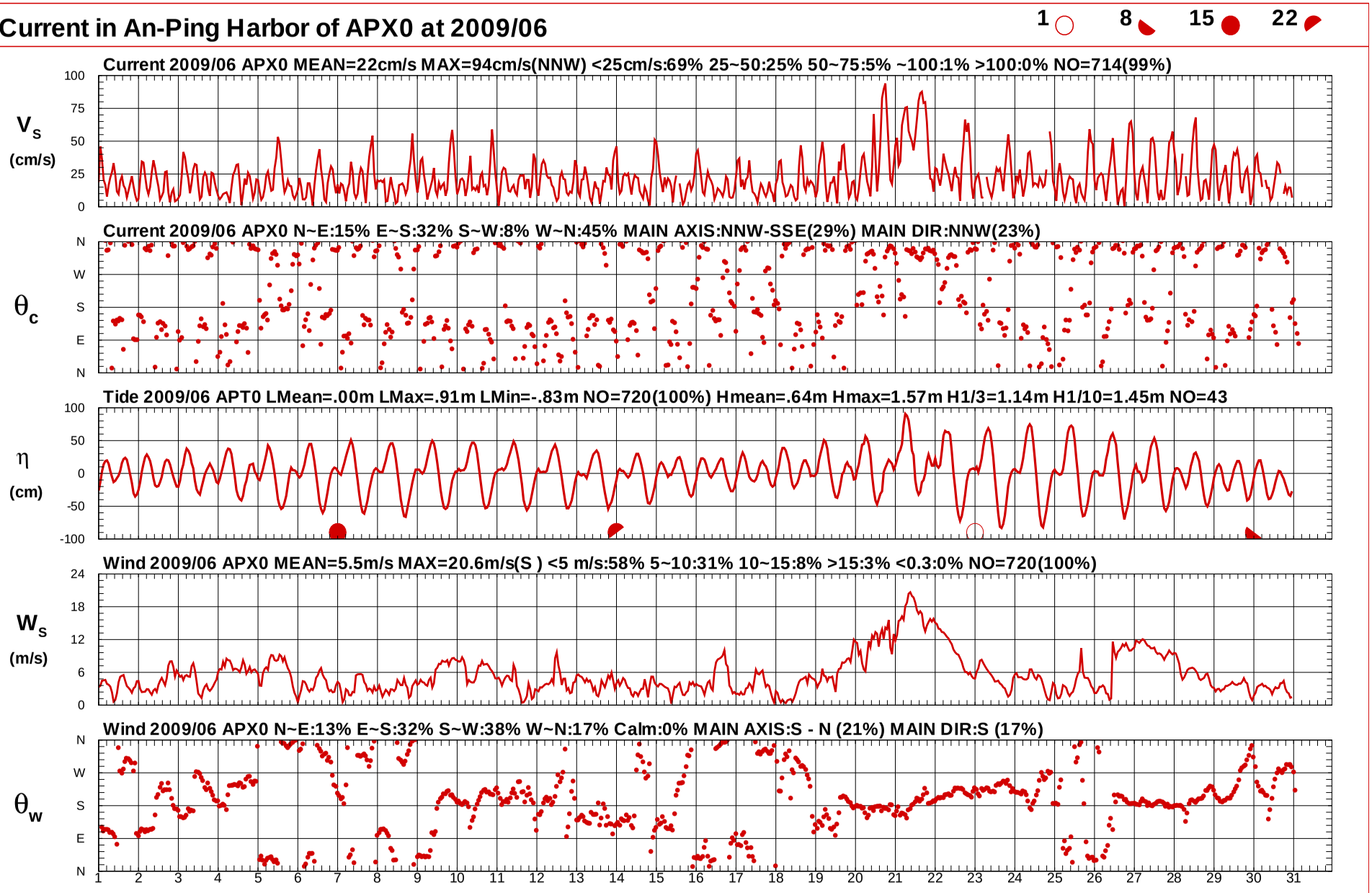


圖 4.4.7 2009年 6 月安平港測站 X 海流 (潮位及風) 歷線圖

C096APX0.1HA T096APT0.1HA W096APX0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

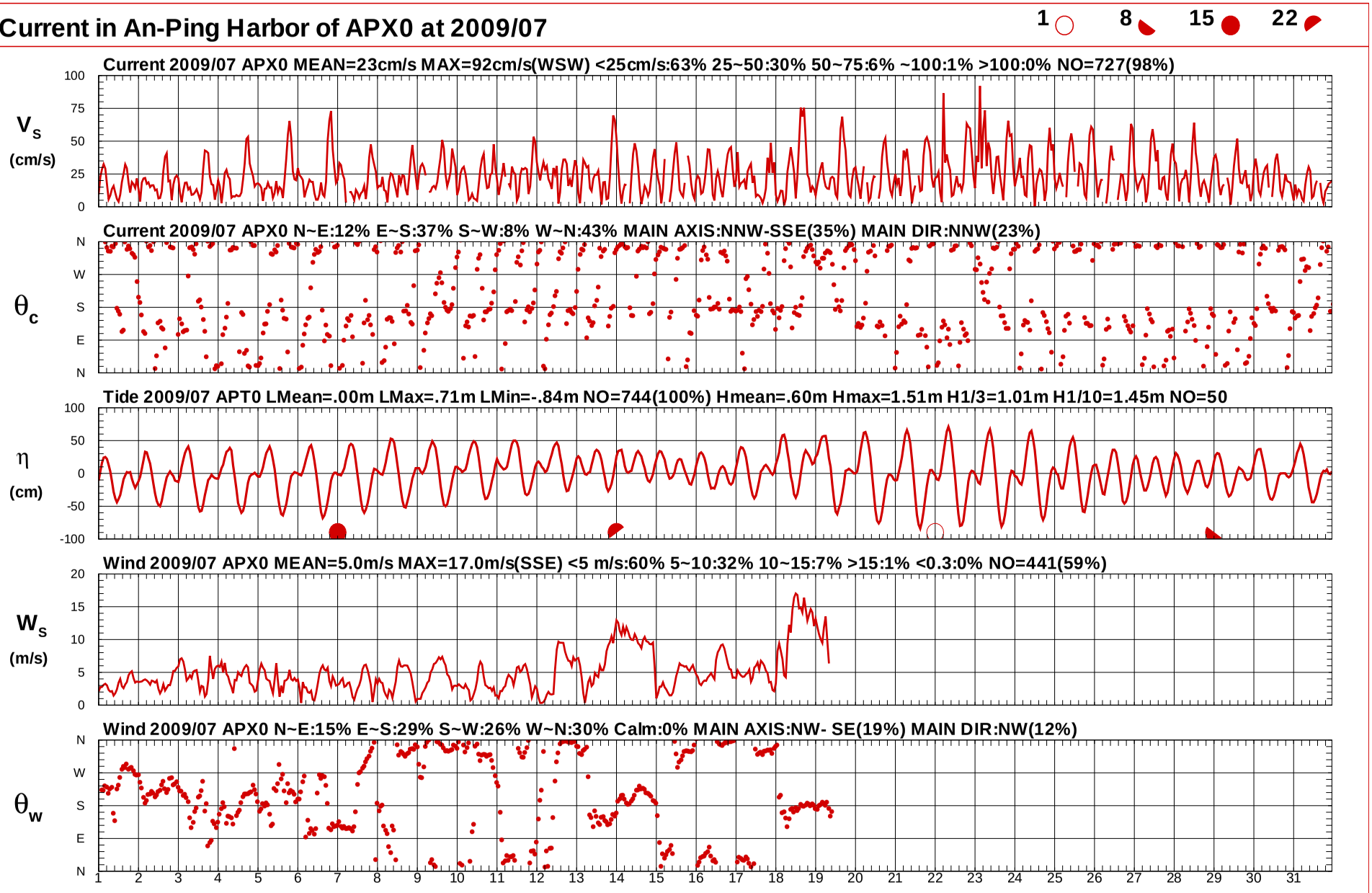


圖 4.4.8 2009年 7月安平港測站 X 海流 (潮位及風) 歷線圖

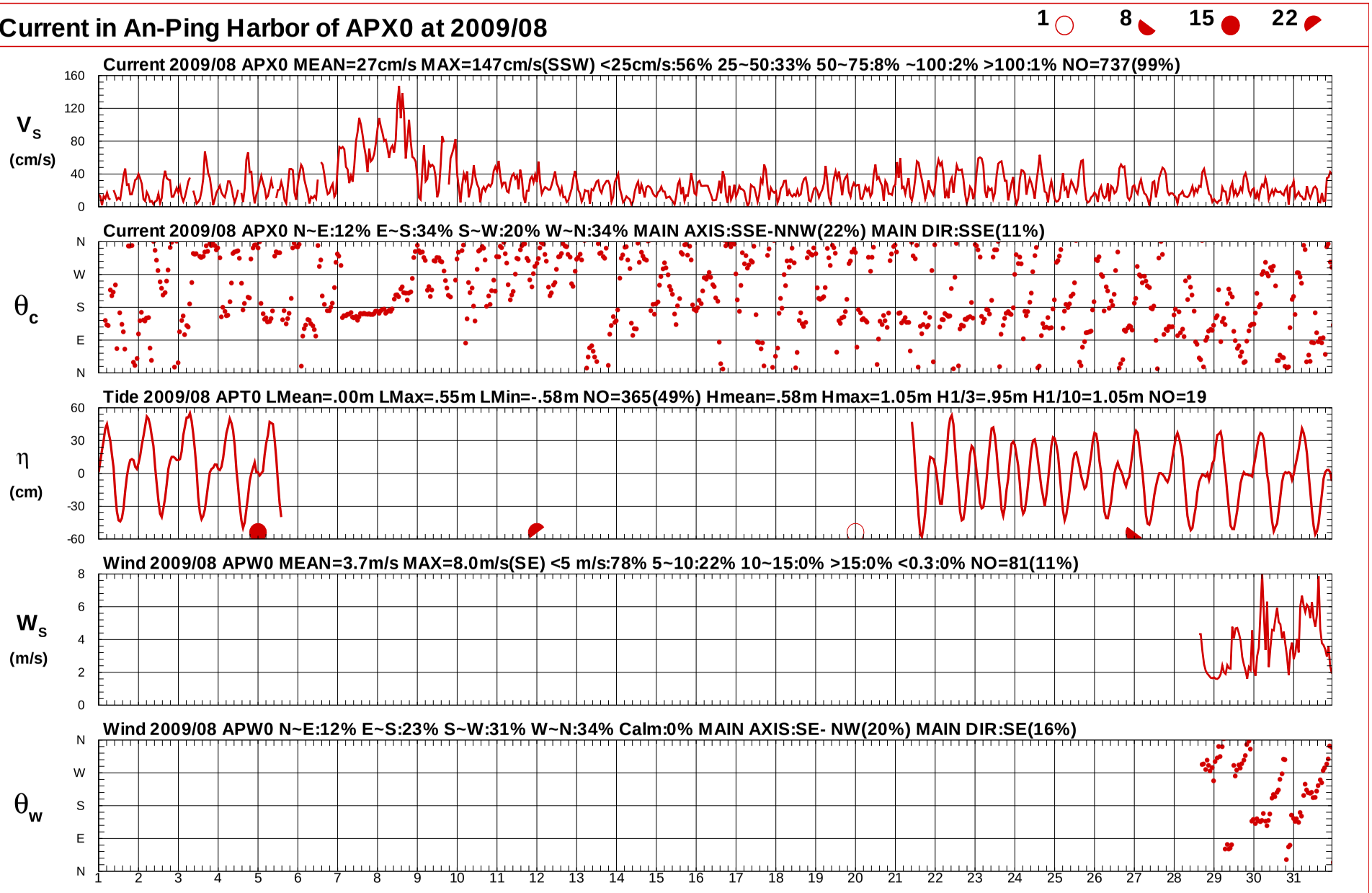


圖 4.4.9 2009年 8 月安平港測站 X 海流 (潮位及風) 歷線圖

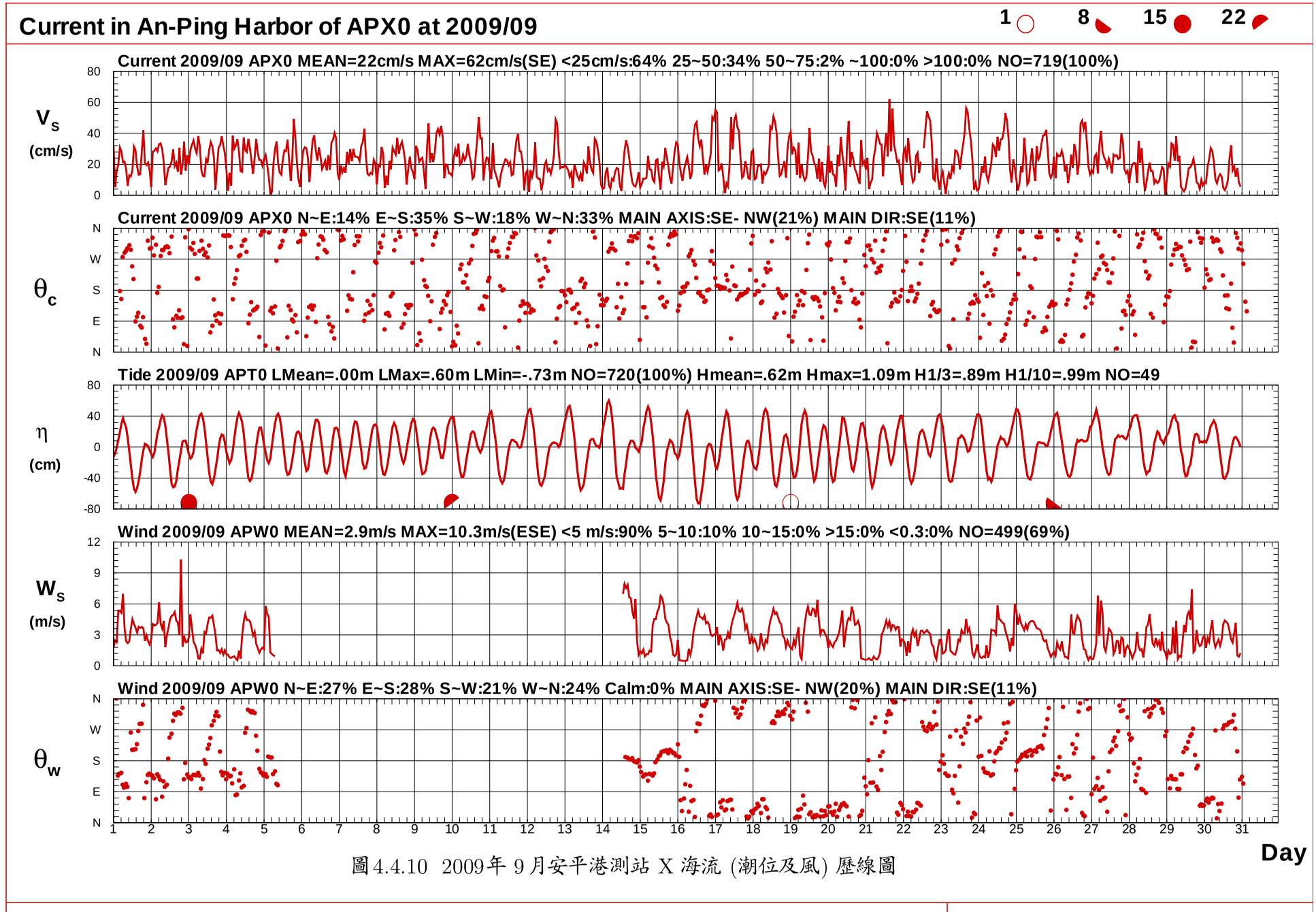


圖4.4.10 2009年 9月安平港測站 X 海流 (潮位及風) 歷線圖

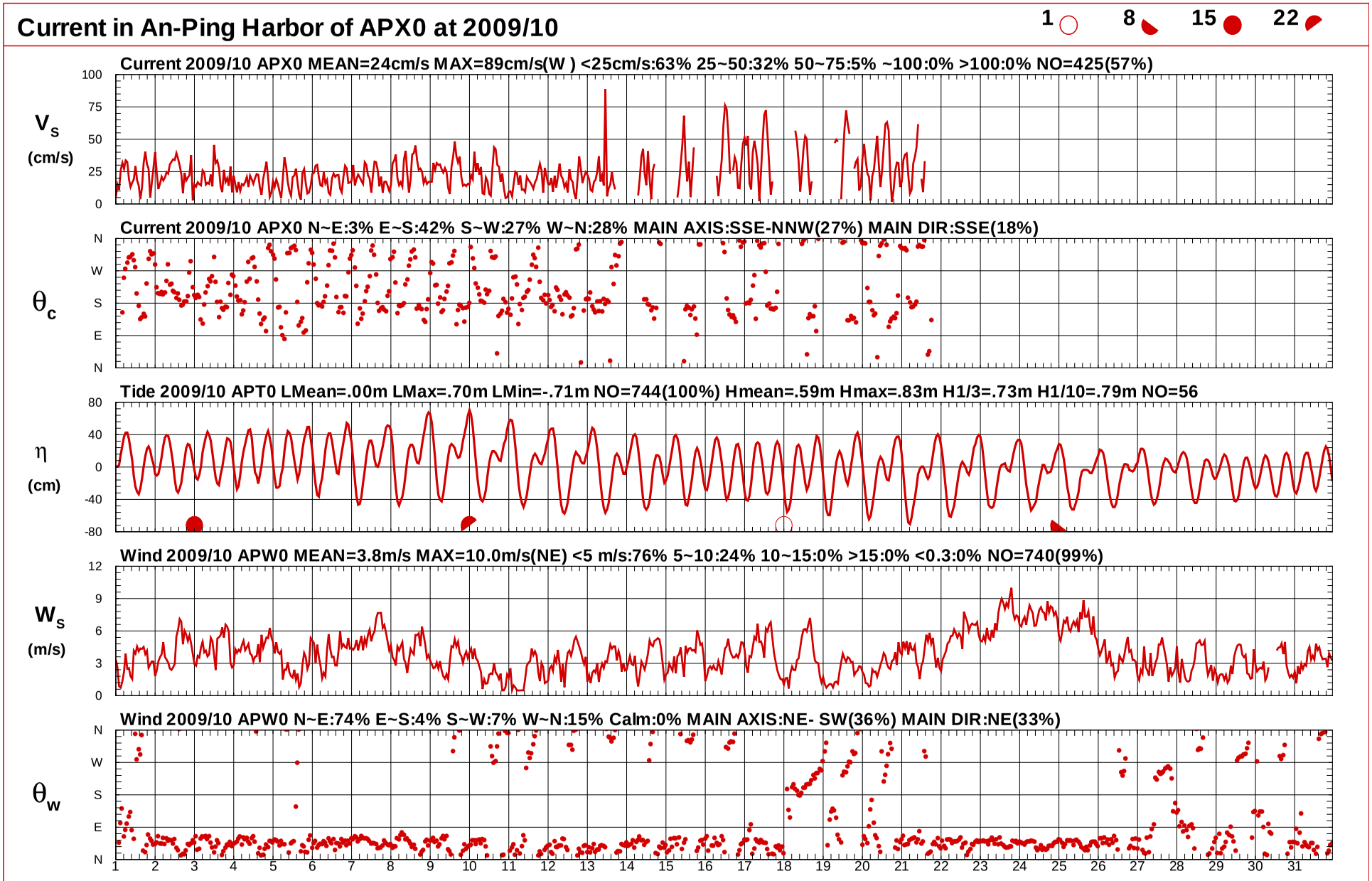


圖 4.4.11 2009年10月安平港測站 X 海流 (潮位及風) 歷線圖

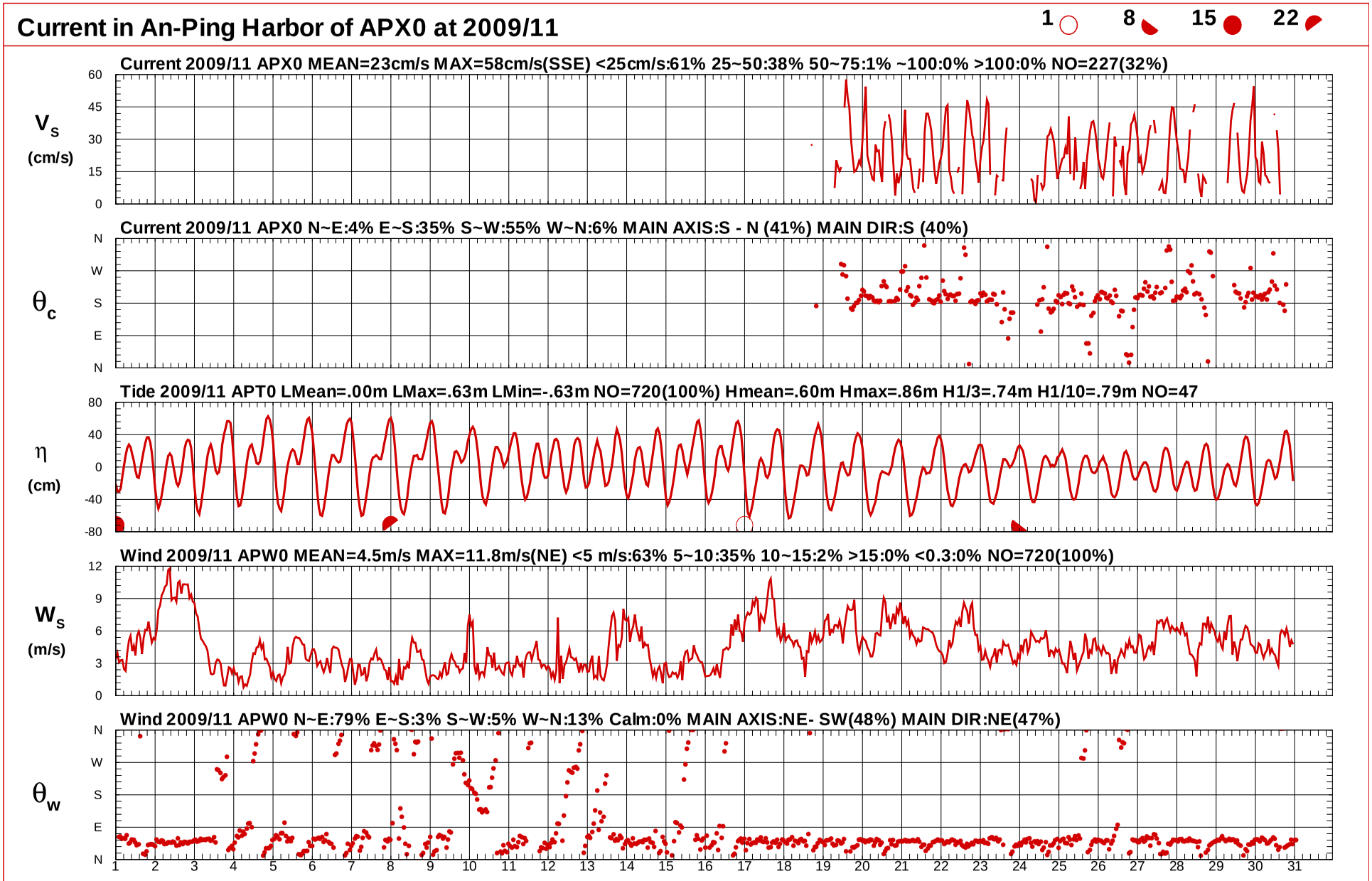


圖 4.4.12 2009年11月安平港測站 X 海流 (潮位及風) 歷線圖

Current Speed in An-Ping Harbor of APX0 at 2009

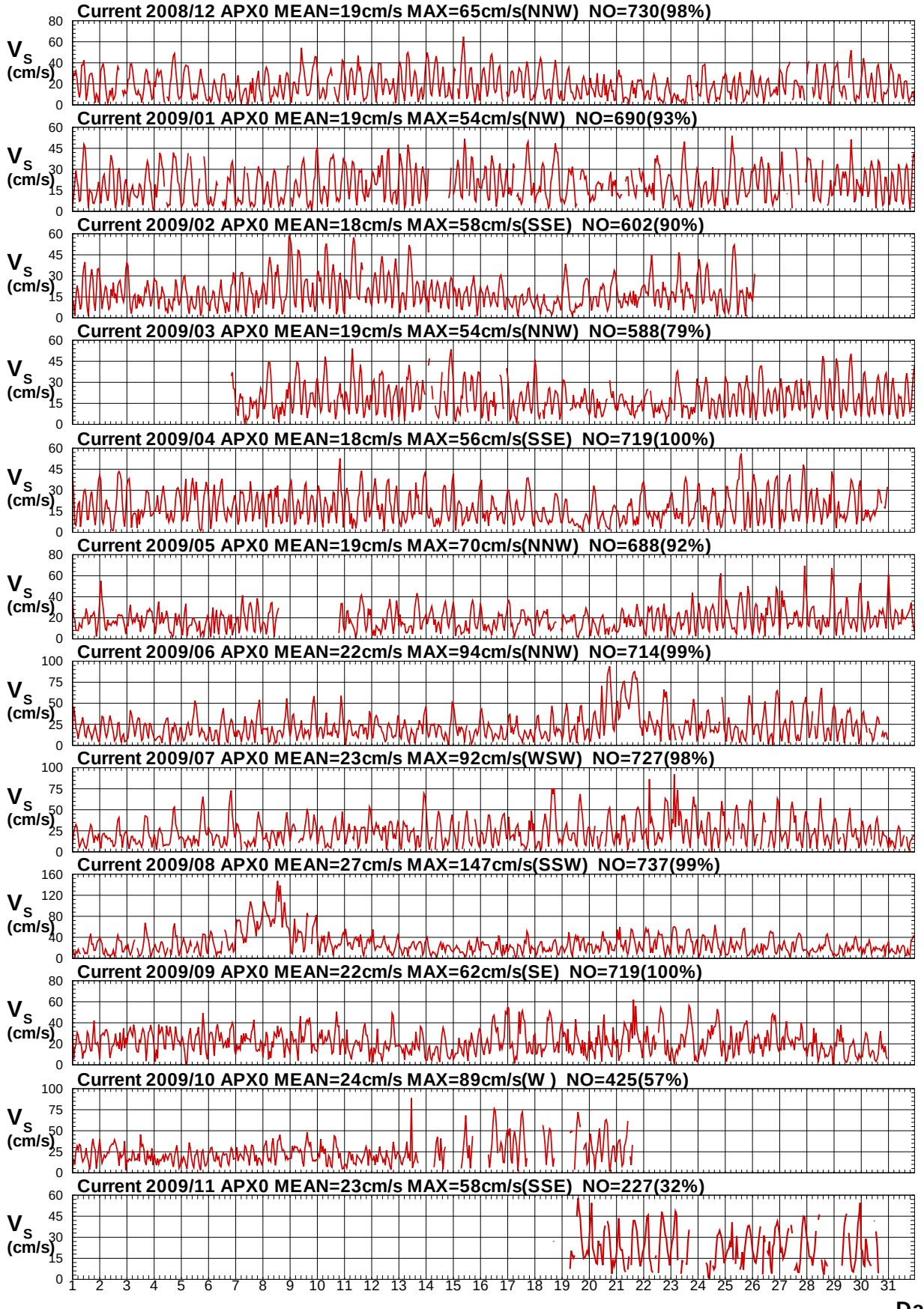


圖 4.4.13　2009年安平港測站 X 觀測流速歷線圖

C08CAPX0.1HA C091APX0.1HA C092APX0.1HA C093APX0.1HA C094APX0.1HA C095APX0.1HA
C096APX0.1HA C097APX0.1HA C098APX0.1HA C099APX0.1HA C09AAPX0.1HA C09BAPX0.1HA

Institute of Harbor & Marine Technology

Current Direction in An-Ping Harbor of APX0 at 2009

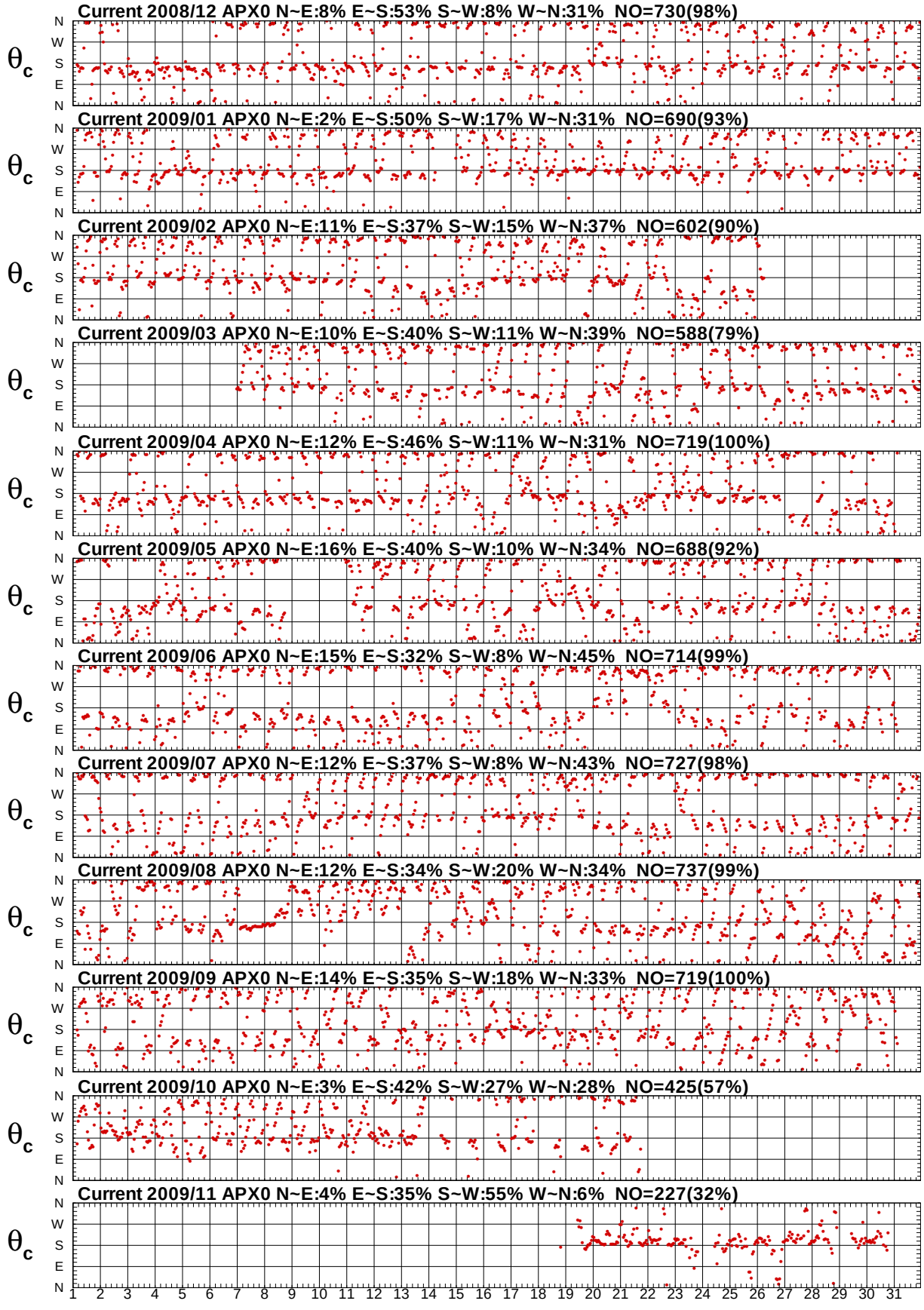


圖 4.4.14　2009年安平港測站 X 觀測流向歷線圖

C08CAPX0.1HA C091APX0.1HA C092APX0.1HA C093APX0.1HA C094APX0.1HA C095APX0.1HA
C096APX0.1HA C097APX0.1HA C098APX0.1HA C099APX0.1HA C09AAPX0.1HA C09BAPX0.1HA

Institute of Harbor & Marine Technology

Current Vector in An-Ping Harbor of APX0 at 2009

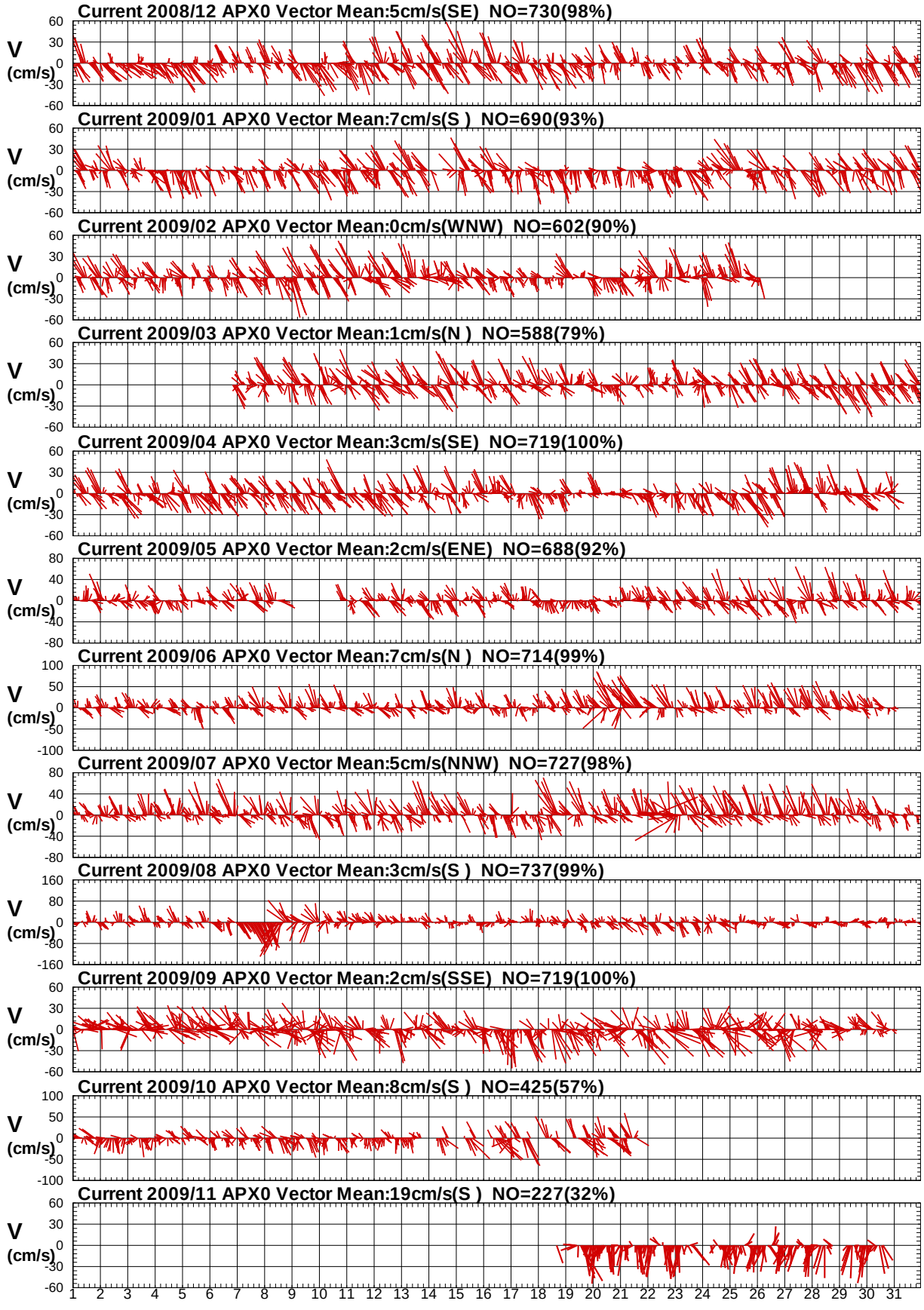


圖 4.4.15　2009年安平港測站 X 觀測流矢圖

C08CAPX0.1HA C091APX0.1HA C092APX0.1HA C093APX0.1HA C094APX0.1HA C095APX0.1HA
C096APX0.1HA C097APX0.1HA C098APX0.1HA C099APX0.1HA C09AAPX0.1HA C09BAPX0.1HA

Institute of Harbor & Marine Technology

Current Speed in An-Ping Harbor of Cal. at 2009

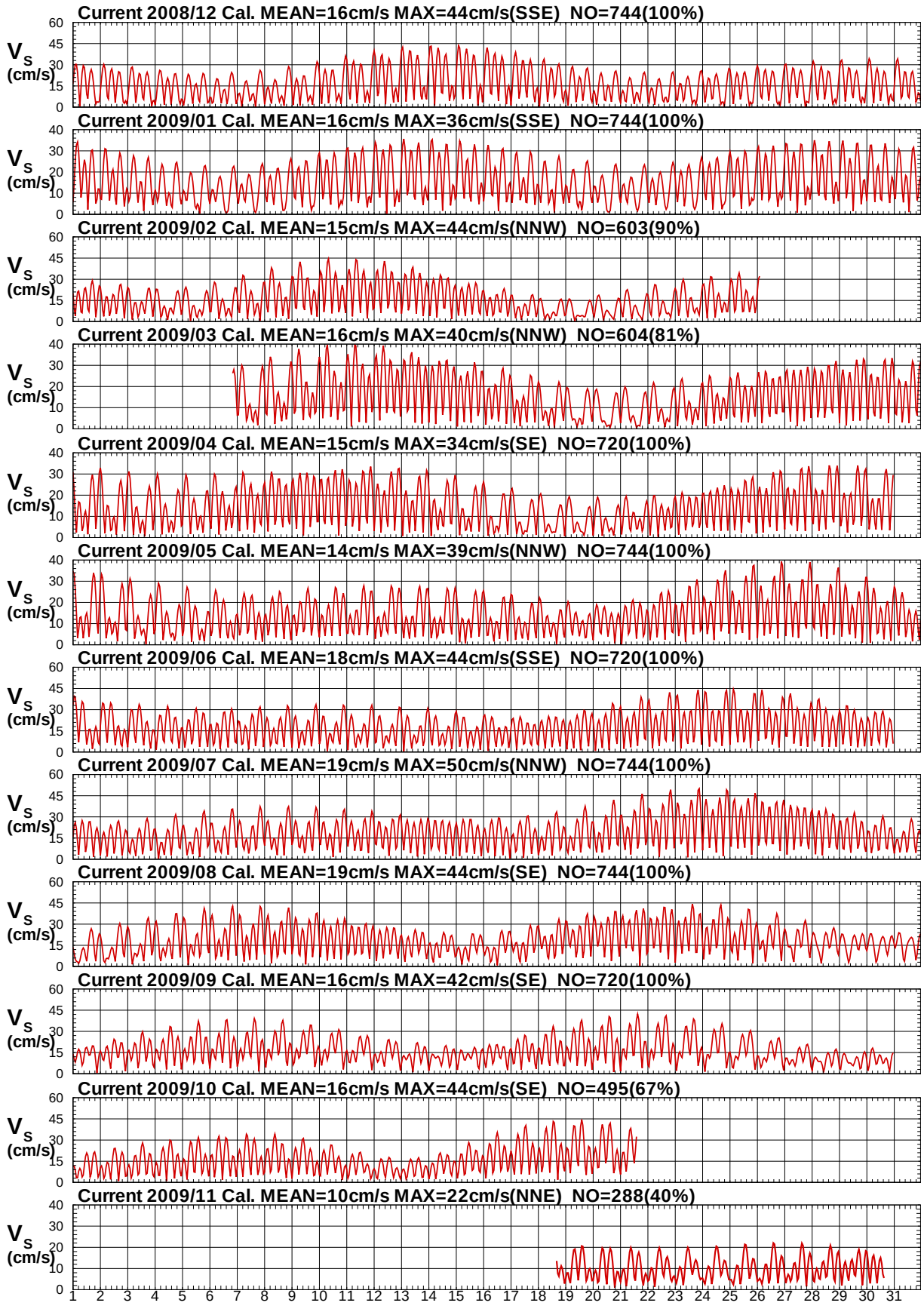


圖 4.4.16　2009年安平港測站 X 潮流流速歷線圖

C08CAPX0.1HC C091APX0.1HC C092APX0.1HC C093APX0.1HC C094APX0.1HC C095APX0.1HC
C096APX0.1HC C097APX0.1HC C098APX0.1HC C099APX0.1HC C09AAPX0.1HC C09BAPX0.1HC

Institute of Harbor & Marine Technology

Current Direction in An-Ping Harbor of Cal. at 2009

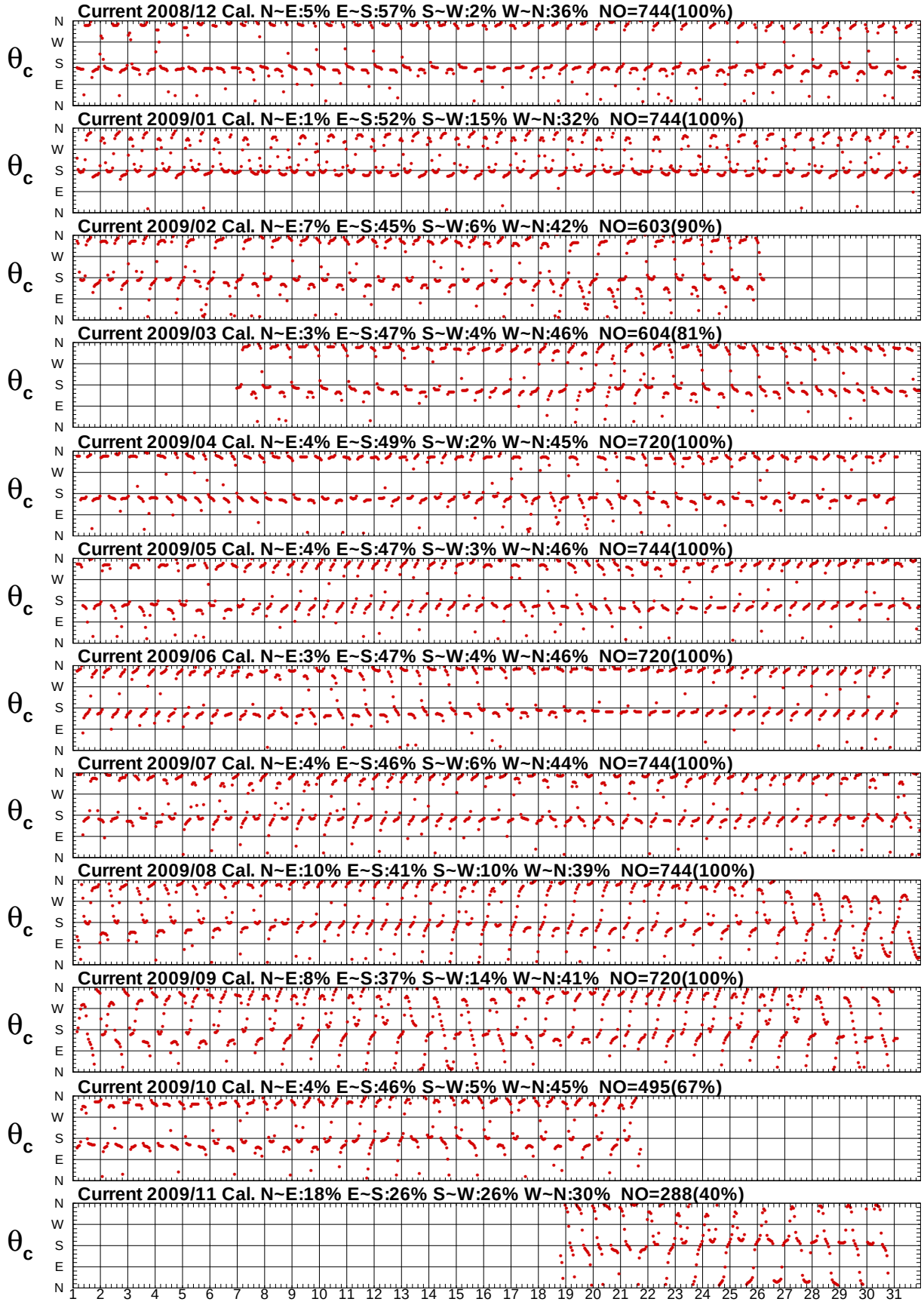


圖 4.4.17　2009年安平港測站 X 潮流流向歷線圖

C08CAPX0.1HC C091APX0.1HC C092APX0.1HC C093APX0.1HC C094APX0.1HC C095APX0.1HC
C096APX0.1HC C097APX0.1HC C098APX0.1HC C099APX0.1HC C09AAPX0.1HC C09BAPX0.1HC

Institute of Harbor & Marine Technology

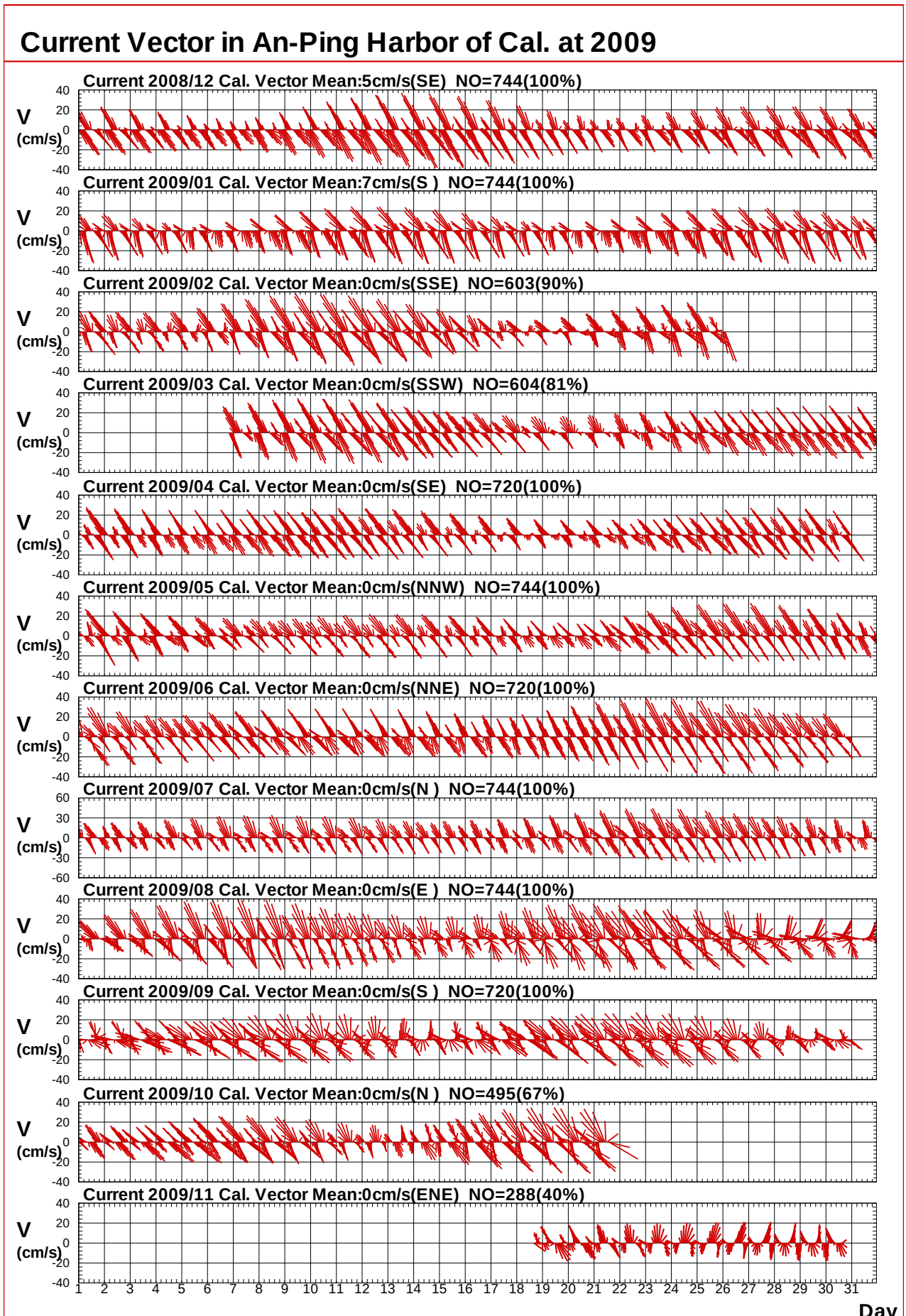


圖 4.4.18　2009年安平港測站 X 潮流流矢圖

C08CAPX0.1HC C091APX0.1HC C092APX0.1HC C093APX0.1HC C094APX0.1HC C095APX0.1HC
C096APX0.1HC C097APX0.1HC C098APX0.1HC C099APX0.1HC C09AAPX0.1HC C09BAPX0.1HC

Institute of Harbor & Marine Technology

Current Speed in An-Ping Harbor of APX0 at 2009

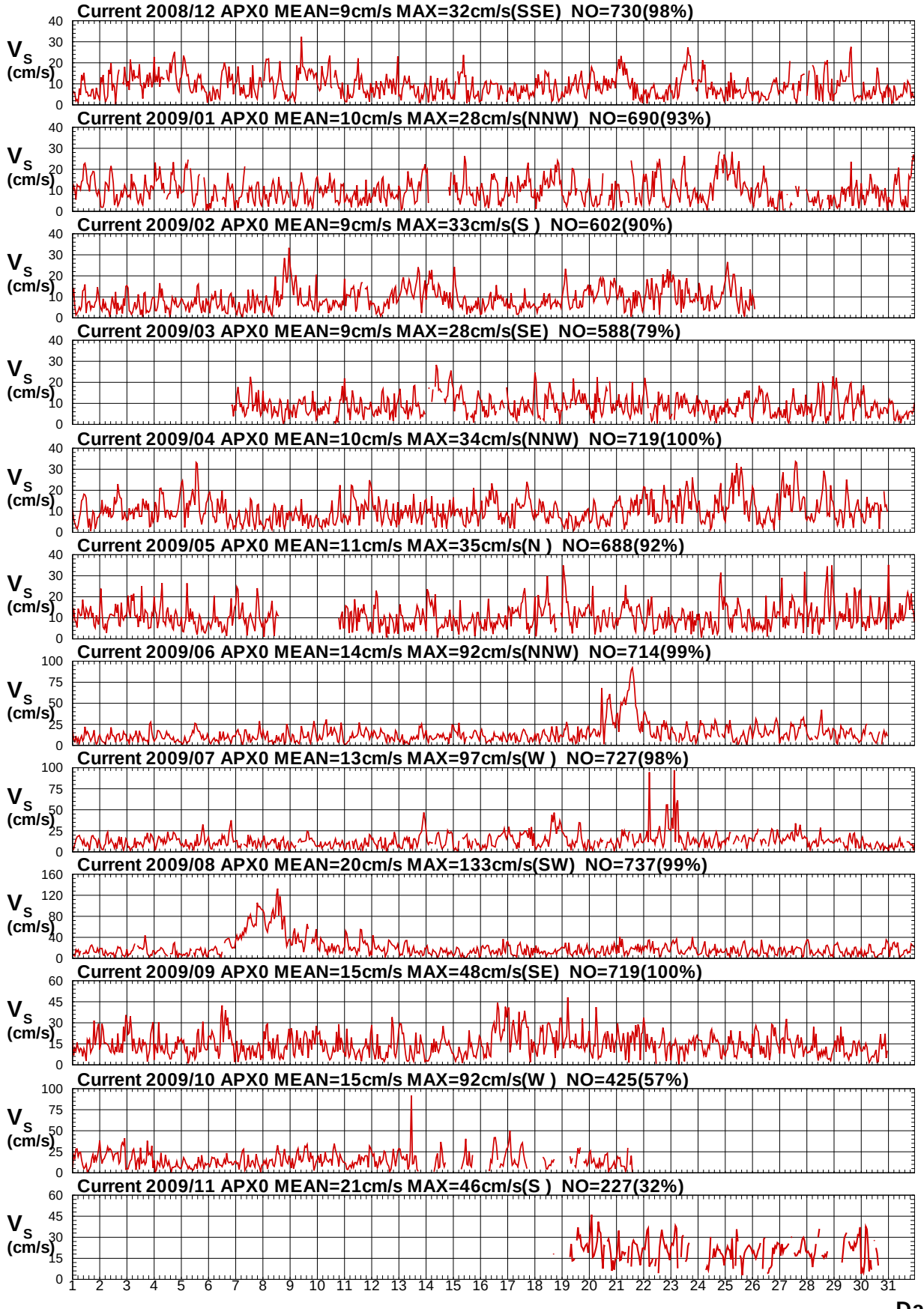


圖 4.4.19　2009年安平港測站 X 非潮流速歷線圖

C08CAPX0.1HR C091APX0.1HR C092APX0.1HR C093APX0.1HR C094APX0.1HR C095APX0.1HR
C096APX0.1HR C097APX0.1HR C098APX0.1HR C099APX0.1HR C09AAPX0.1HR C09BAPX0.1HR

Institute of Harbor & Marine Technology

Current Direction in An-Ping Harbor of APX0 at 2009

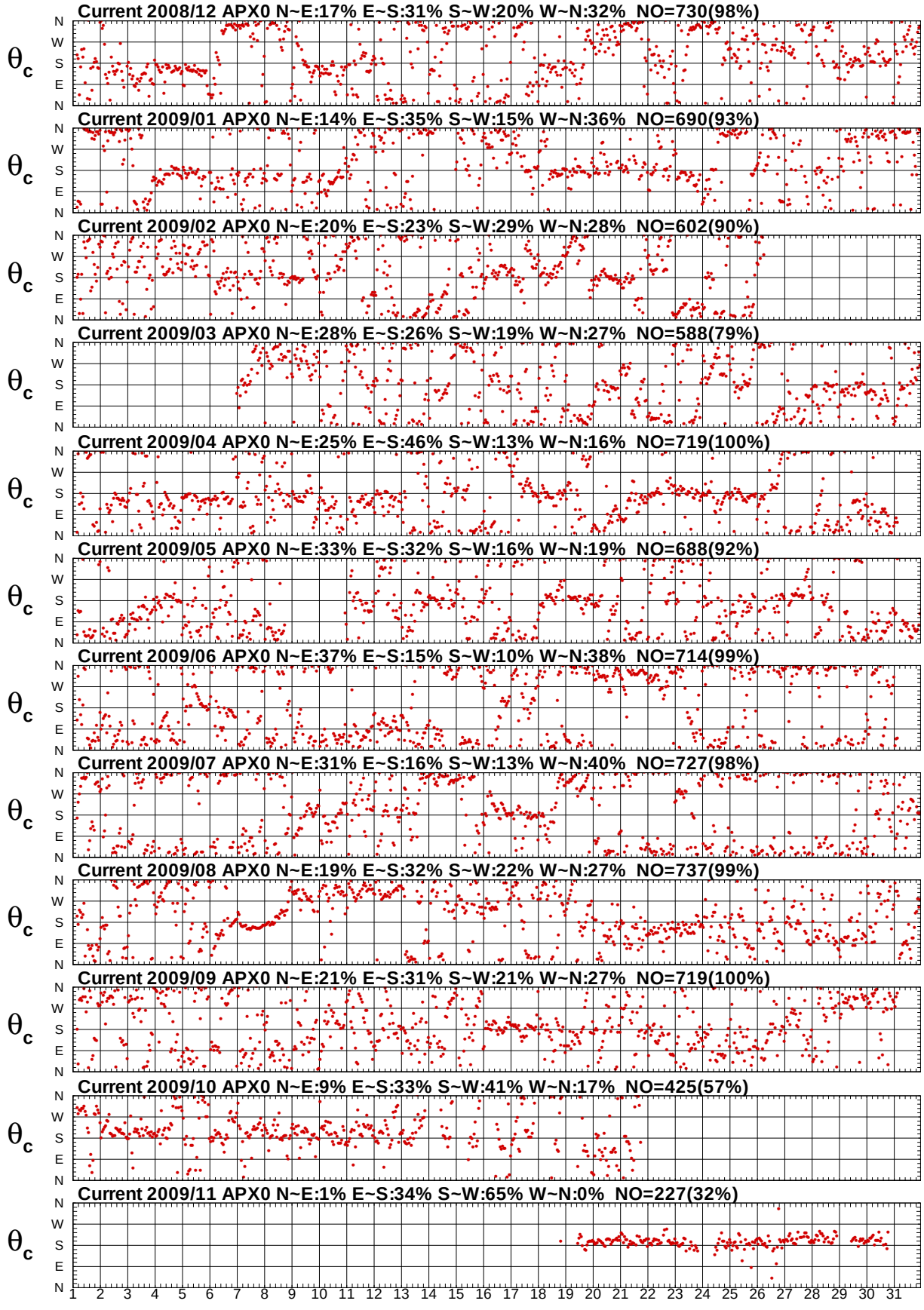


圖 4.4.20　2009年安平港測站 X 非潮流向歷線圖

C08CAPX0.1HR C091APX0.1HR C092APX0.1HR C093APX0.1HR C094APX0.1HR C095APX0.1HR
C096APX0.1HR C097APX0.1HR C098APX0.1HR C099APX0.1HR C09AAPX0.1HR C09BAPX0.1HR

Institute of Harbor & Marine Technology

Current Vector in An-Ping Harbor of APX0 at 2009

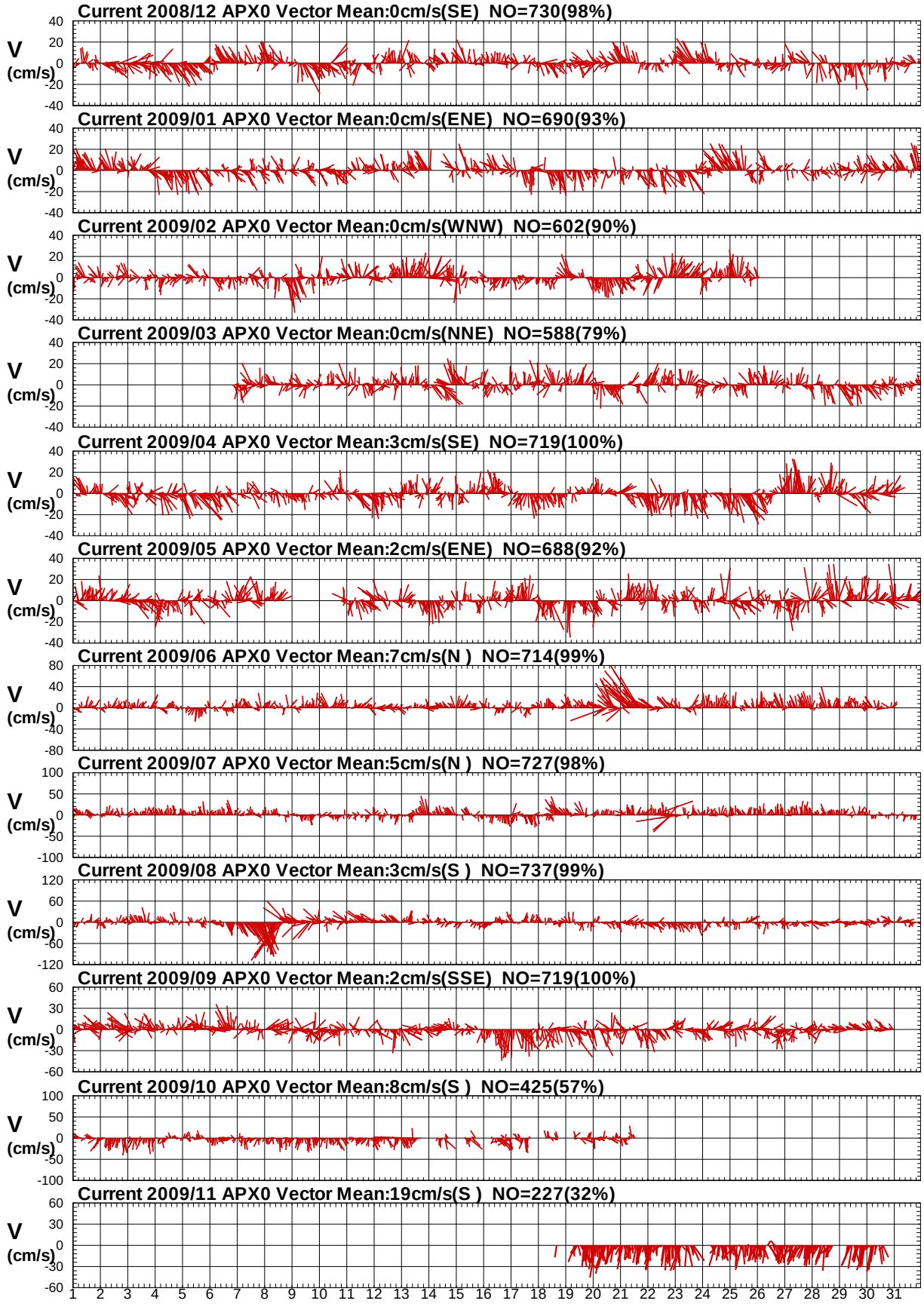


圖 4.4.21　2009年安平港測站 X 非潮流矢圖

C08CAPX0.1HR C091APX0.1HR C092APX0.1HR C093APX0.1HR C094APX0.1HR C095APX0.1HR
C096APX0.1HR C097APX0.1HR C098APX0.1HR C099APX0.1HR C09AAPX0.1HR C09BAPX0.1HR

Institute of Harbor & Marine Technology

Current Speed in An-Ping Harbor of APX0 at 2009

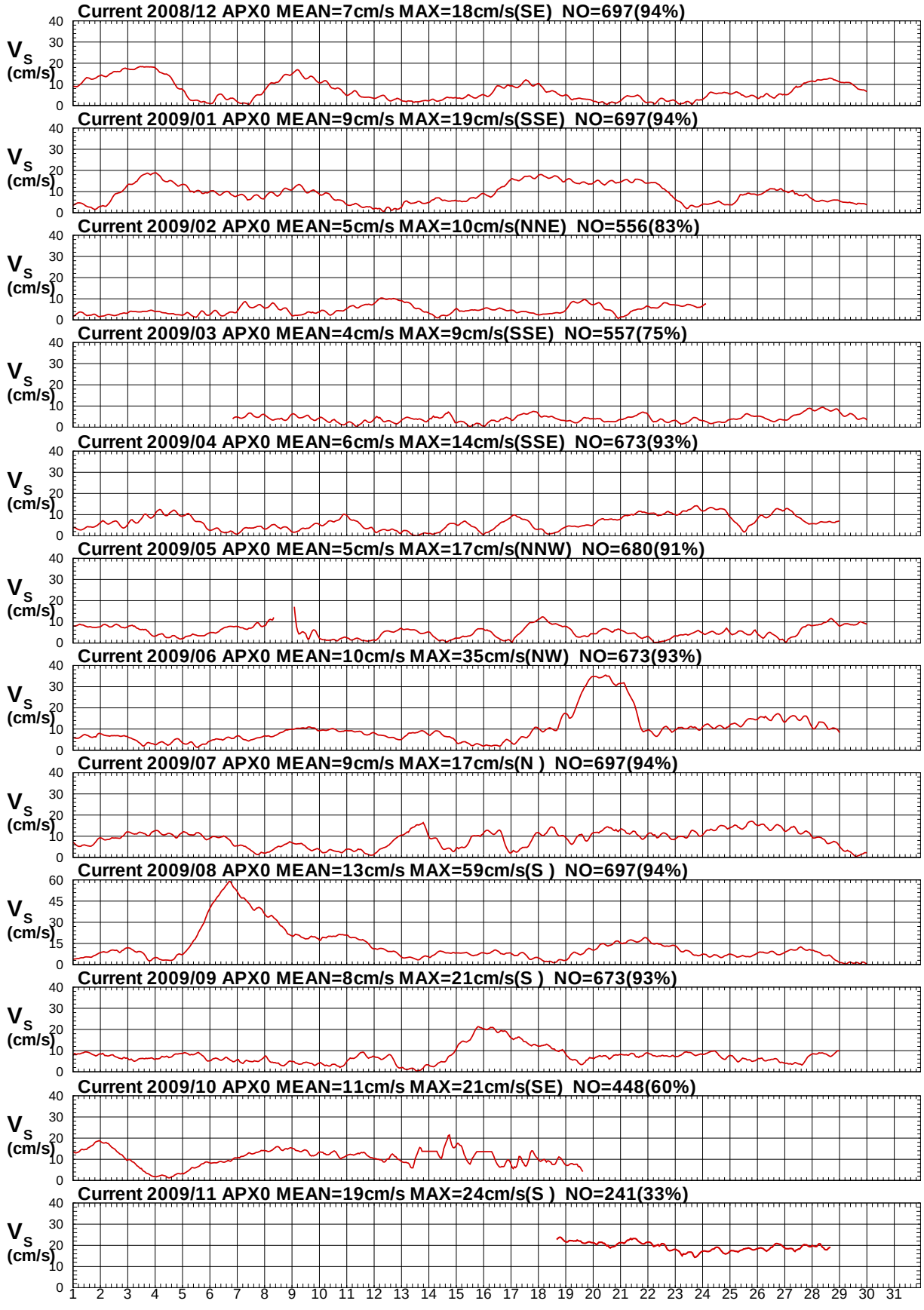


圖 4.4.22　2009年安平港 X 站48時平均流速歷線圖

C08CAPX0.48H C091APX0.48H C092APX0.48H C093APX0.48H C094APX0.48H C095APX0.48H
C096APX0.48H C097APX0.48H C098APX0.48H C099APX0.48H C09AAPX0.48H C09BAPX0.48H

Institute of Harbor & Marine Technology

Current Direction in An-Ping Harbor of APX0 at 2009

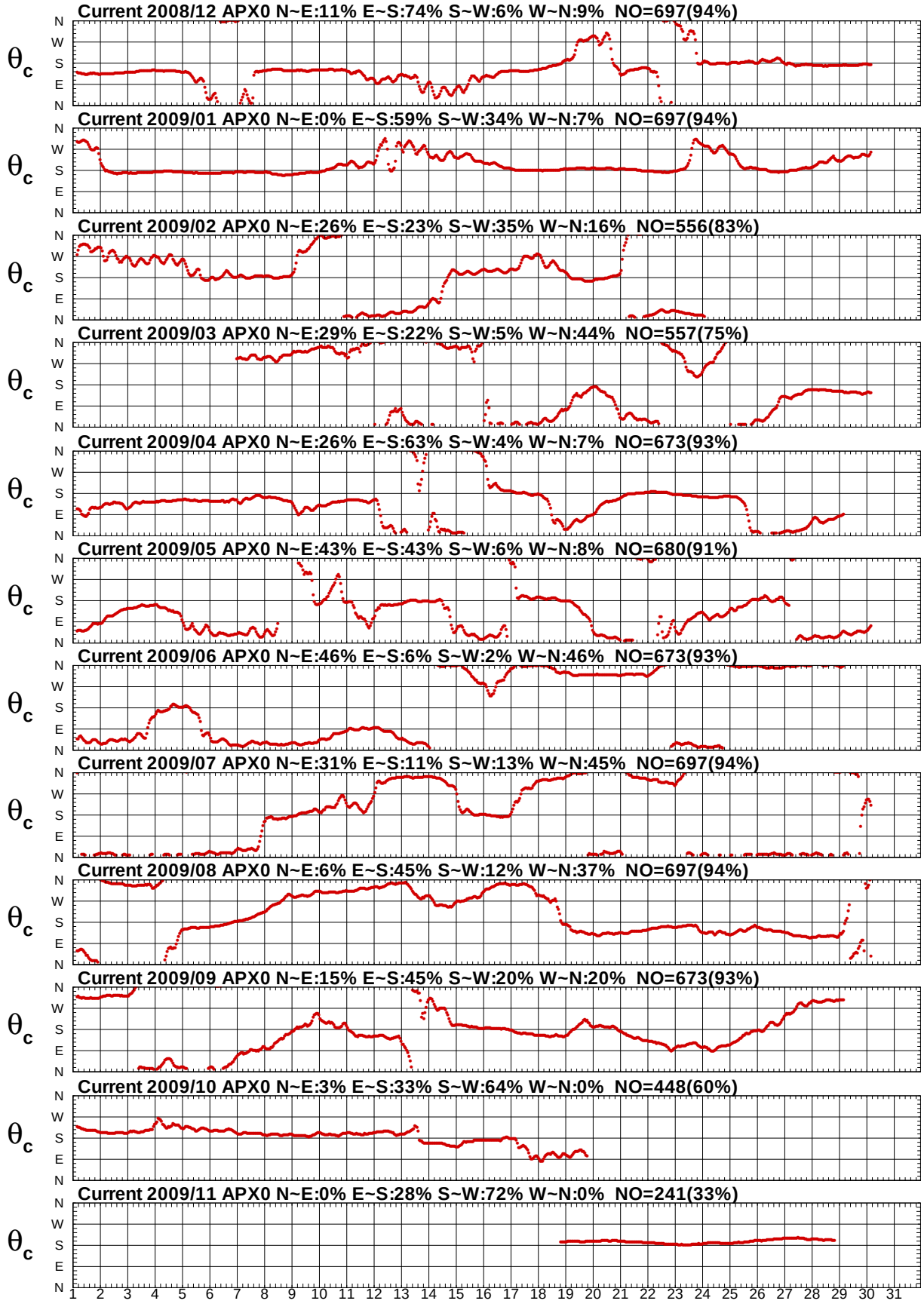


圖 4.4.23　2009年安平港 X 站48時平均流向歷線圖

C08CAPX0.48H C091APX0.48H C092APX0.48H C093APX0.48H C094APX0.48H C095APX0.48H
C096APX0.48H C097APX0.48H C098APX0.48H C099APX0.48H C09AAPX0.48H C09BAPX0.48H

Institute of Harbor & Marine Technology

Current Vector in An-Ping Harbor of APX0 at 2009

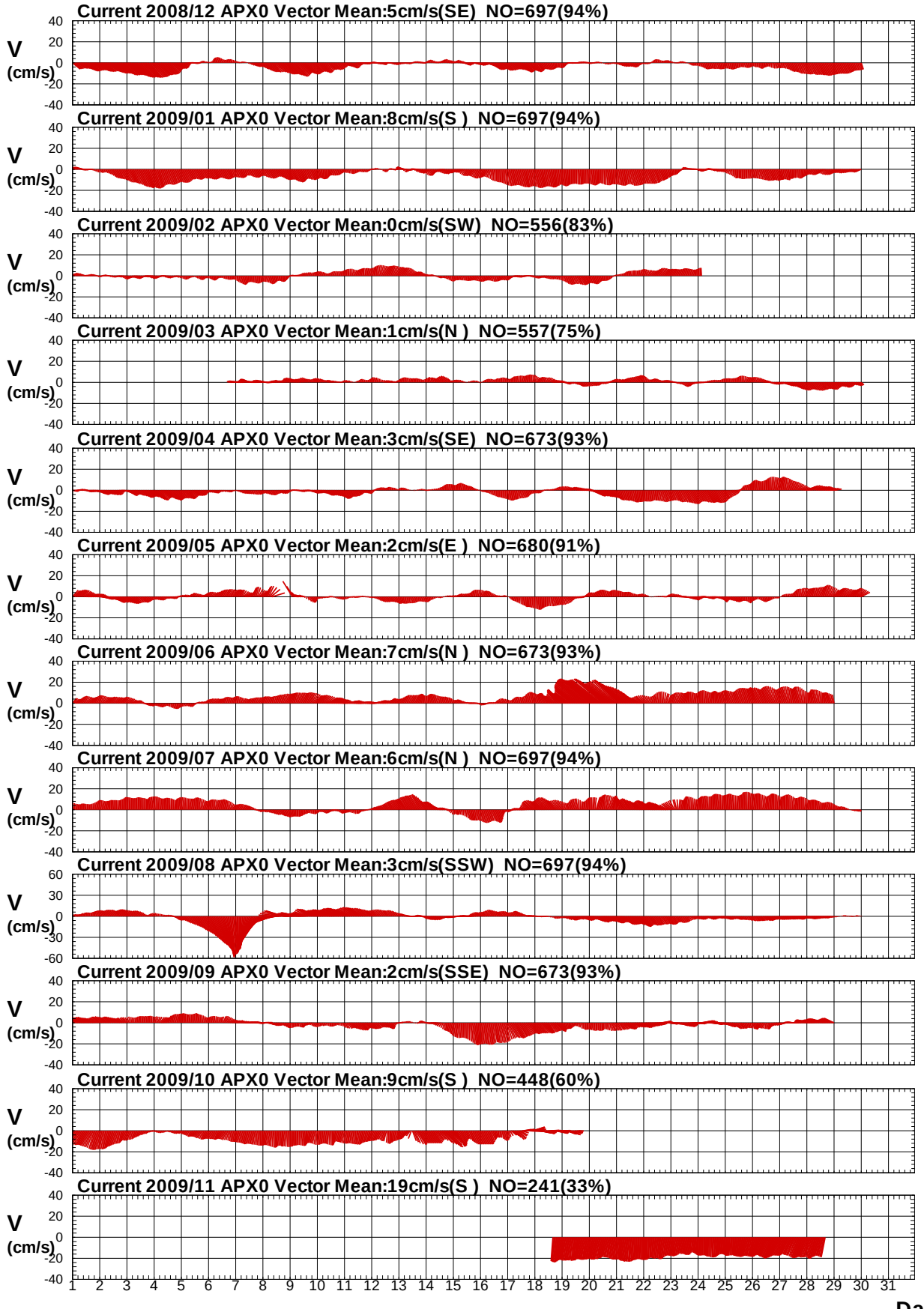


圖 4.4.24　2009年安平港 X 站48時平均流矢圖

C08CAPX0.48H C091APX0.48H C092APX0.48H C093APX0.48H C094APX0.48H C095APX0.48H
C096APX0.48H C097APX0.48H C098APX0.48H C099APX0.48H C09AAPX0.48H C09BAPX0.48H

Institute of Harbor & Marine Technology

4.5　2009年高雄港逐時海流月歷線圖
(逐時觀測海流歷線圖)
(逐時純潮流歷線圖)
(逐時非潮流歷線圖)
(48時向量平均海流歷線圖)

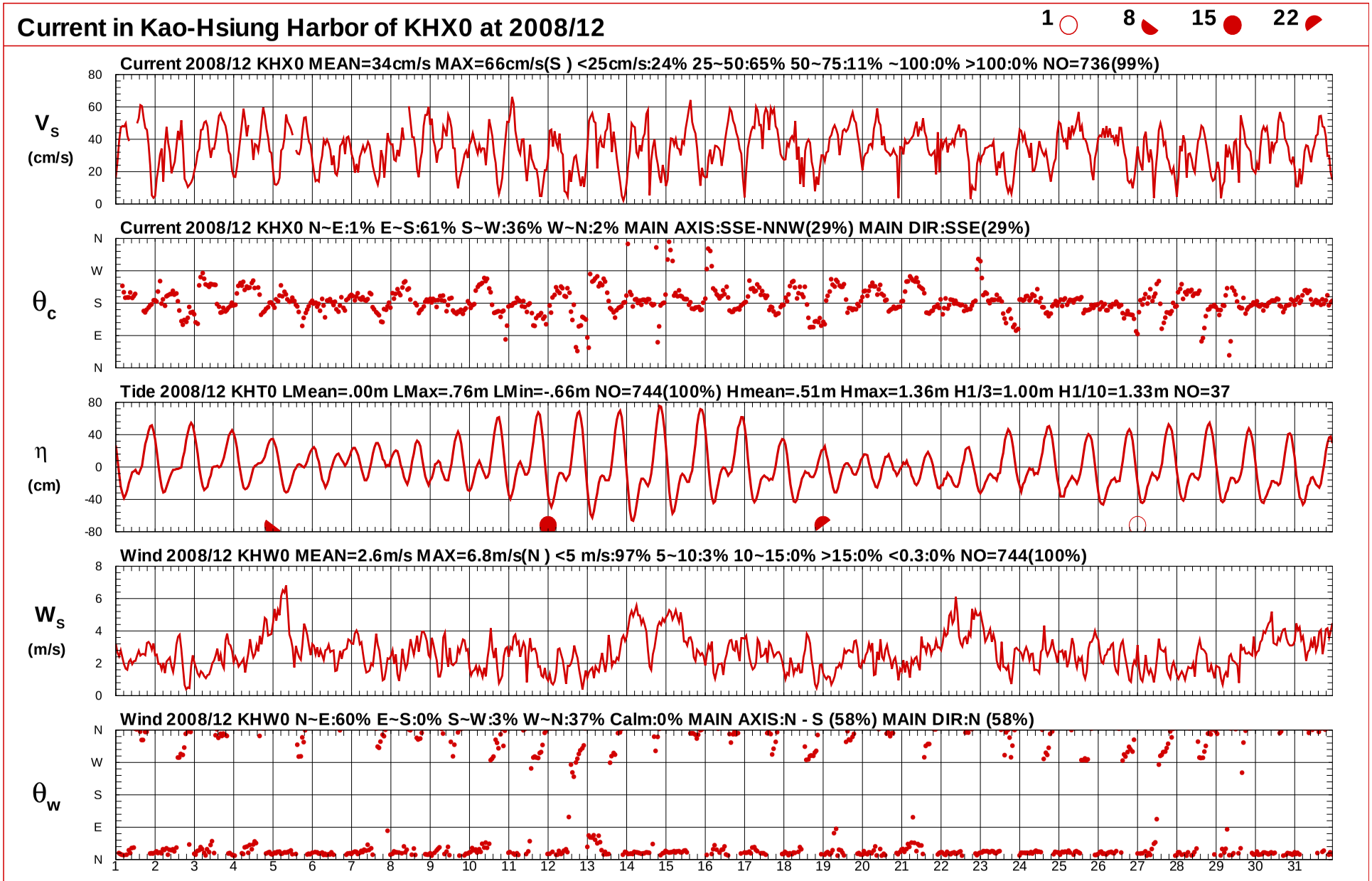


圖 4.5.1　2008年12月高雄港測站 X 海流 (潮位及風) 歷線圖

C08CKHX0.1HA　T08CKHT0.1HA　W08CKHW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

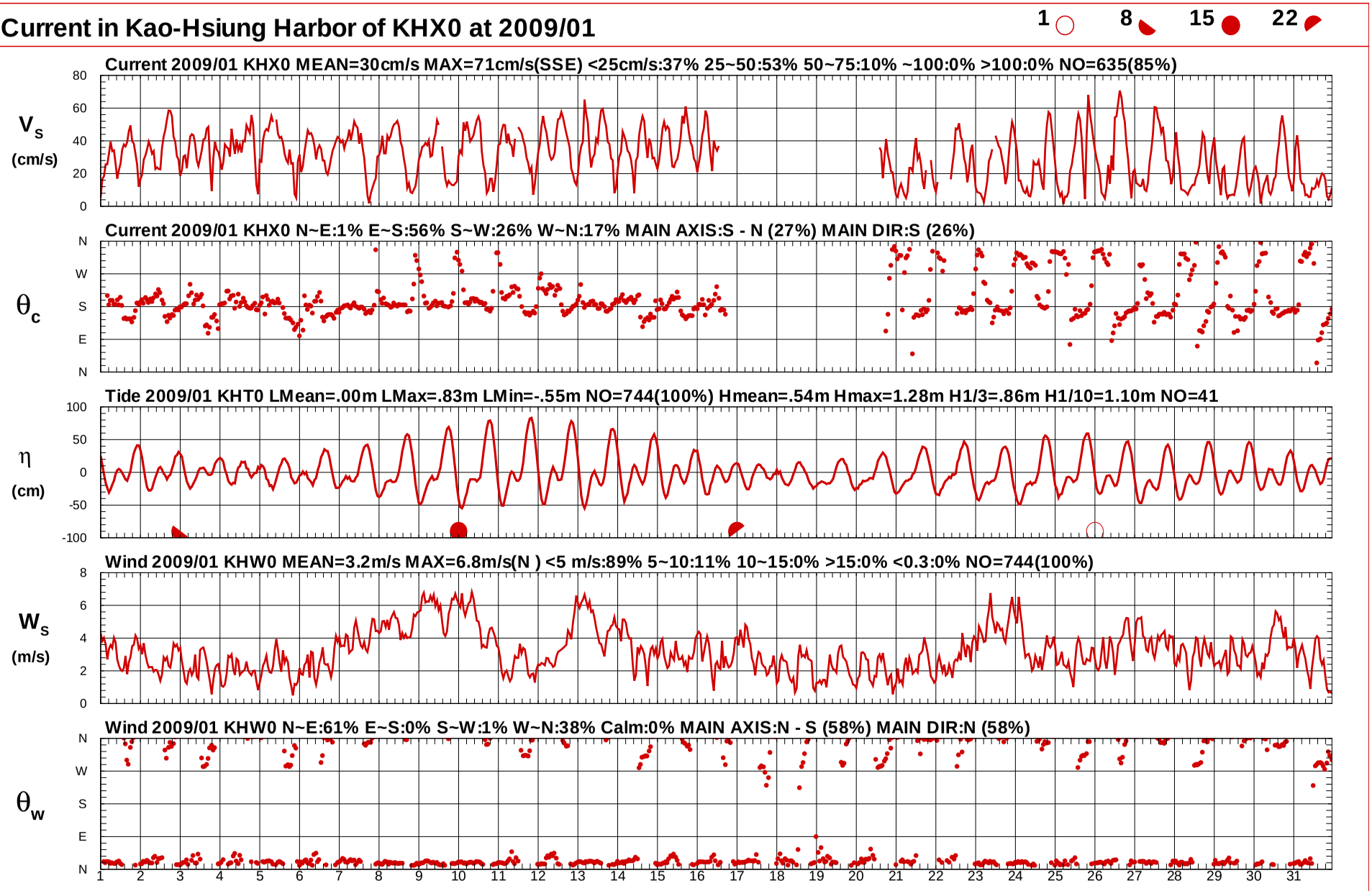


圖 4.5.2 2009年 1 月高雄港測站 X 海流 (潮位及風) 歷線圖

C091KHX0.1HA T091KHT0.1HA W091KHW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

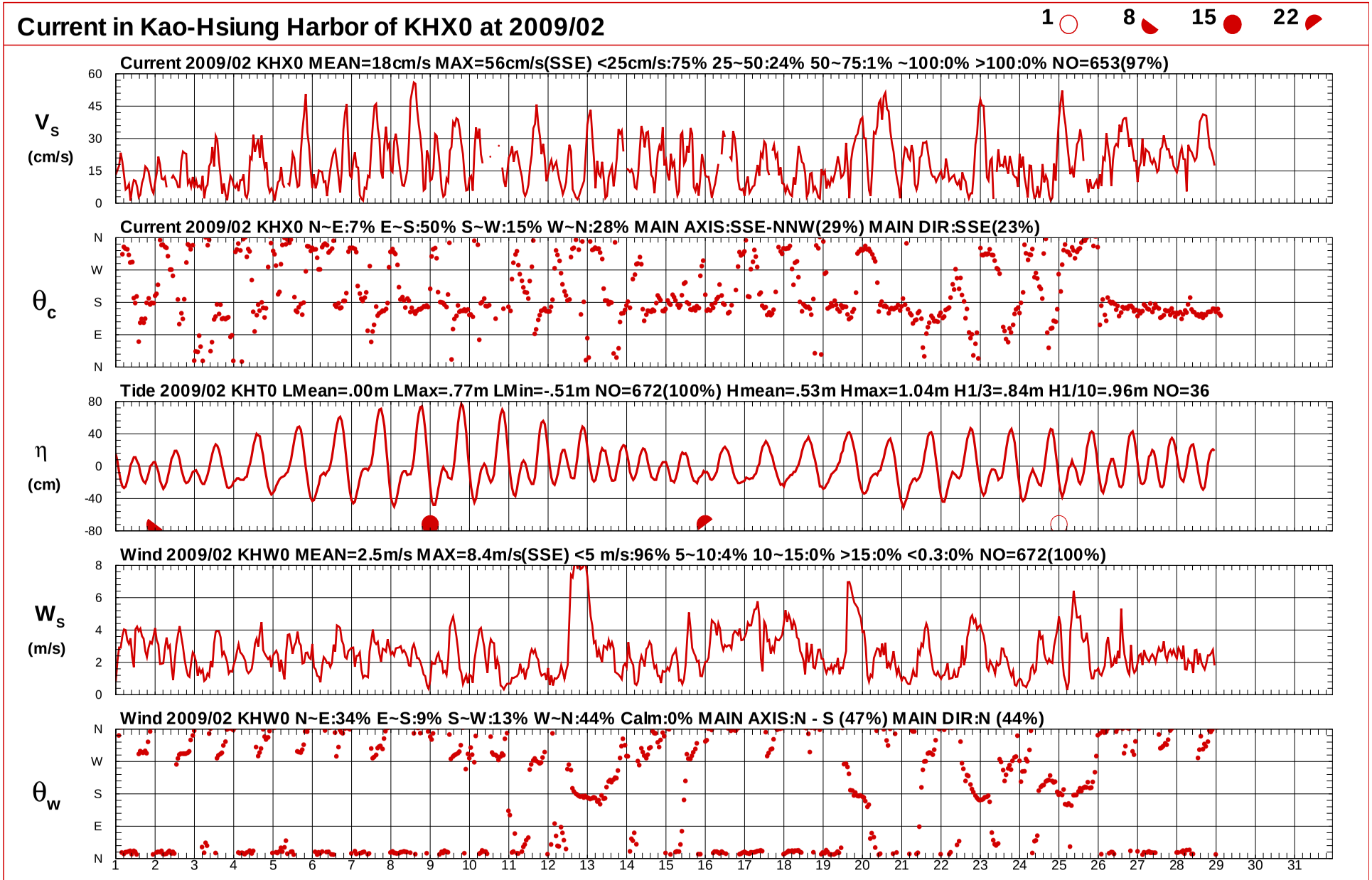


圖 4.5.3 2009年 2月高雄港測站 X 海流 (潮位及風) 歷線圖

C092KHX0.1HA T092KHT0.1HA W092KHW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

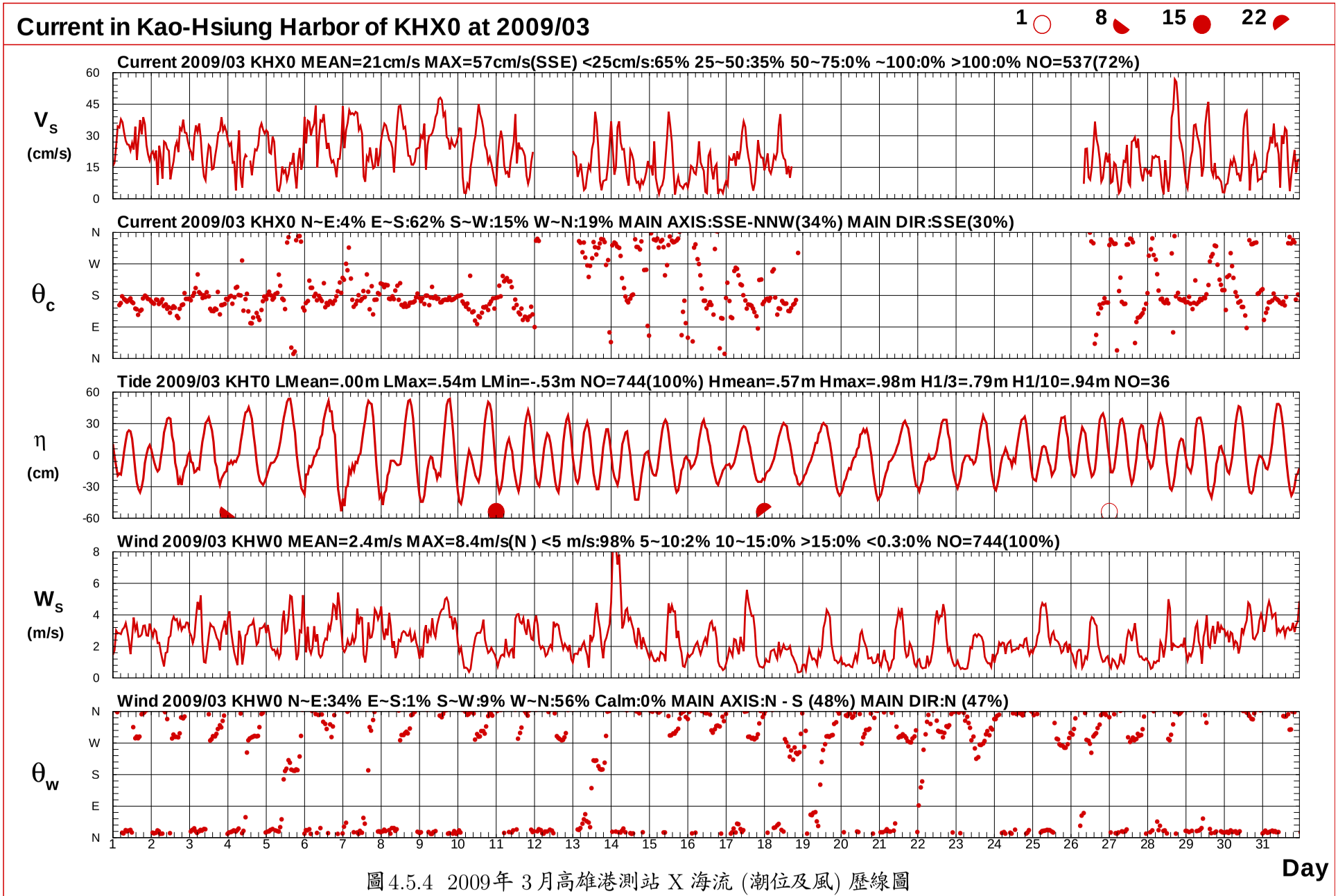


圖 4.5.4 2009年 3 月高雄港測站 X 海流 (潮位及風) 歷線圖

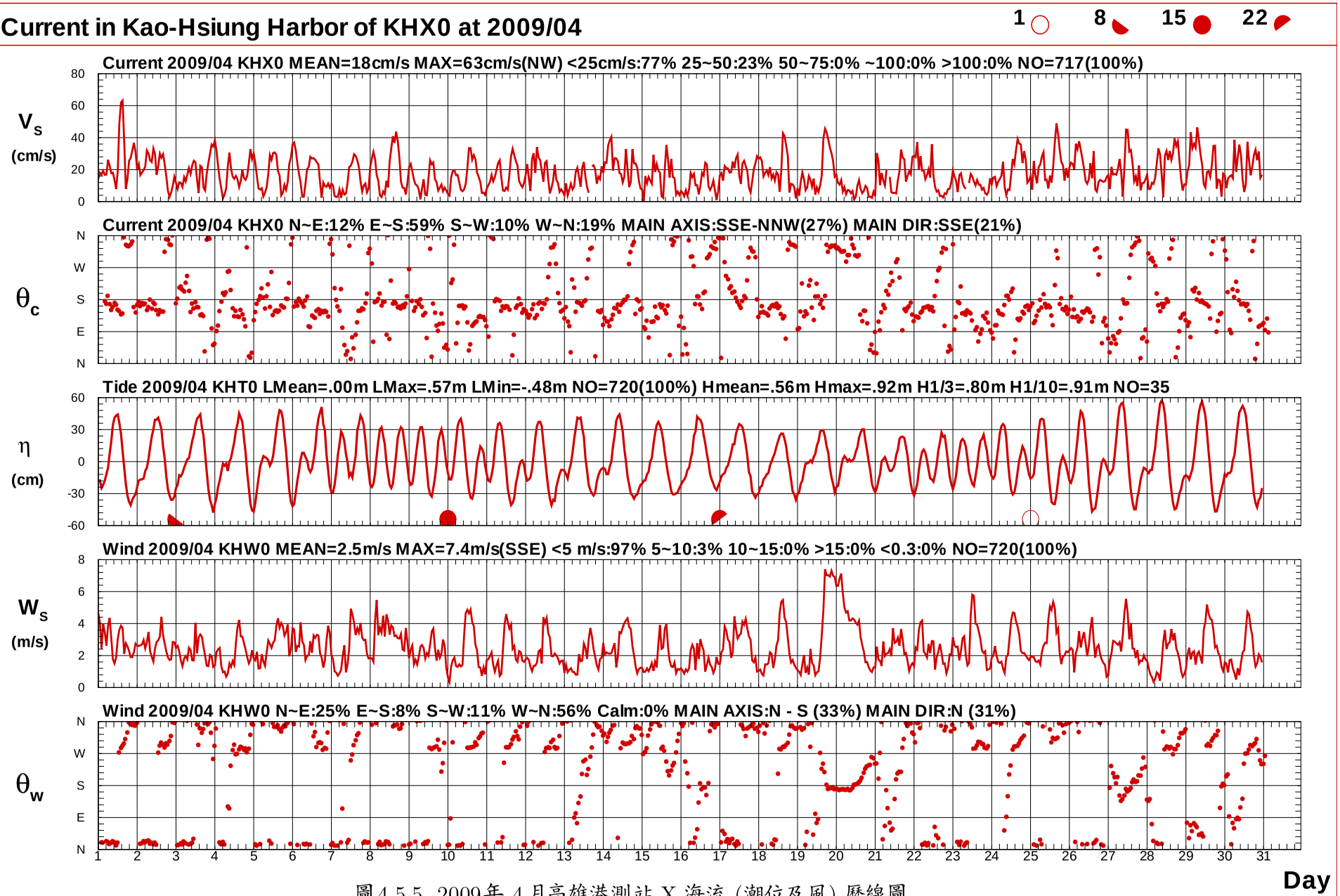


圖 4.5.5 2009年 4 月高雄港測站 X 海流 (潮位及風) 歷線圖

C094KHX0.1HA T094KHT0.1HA W094KHW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

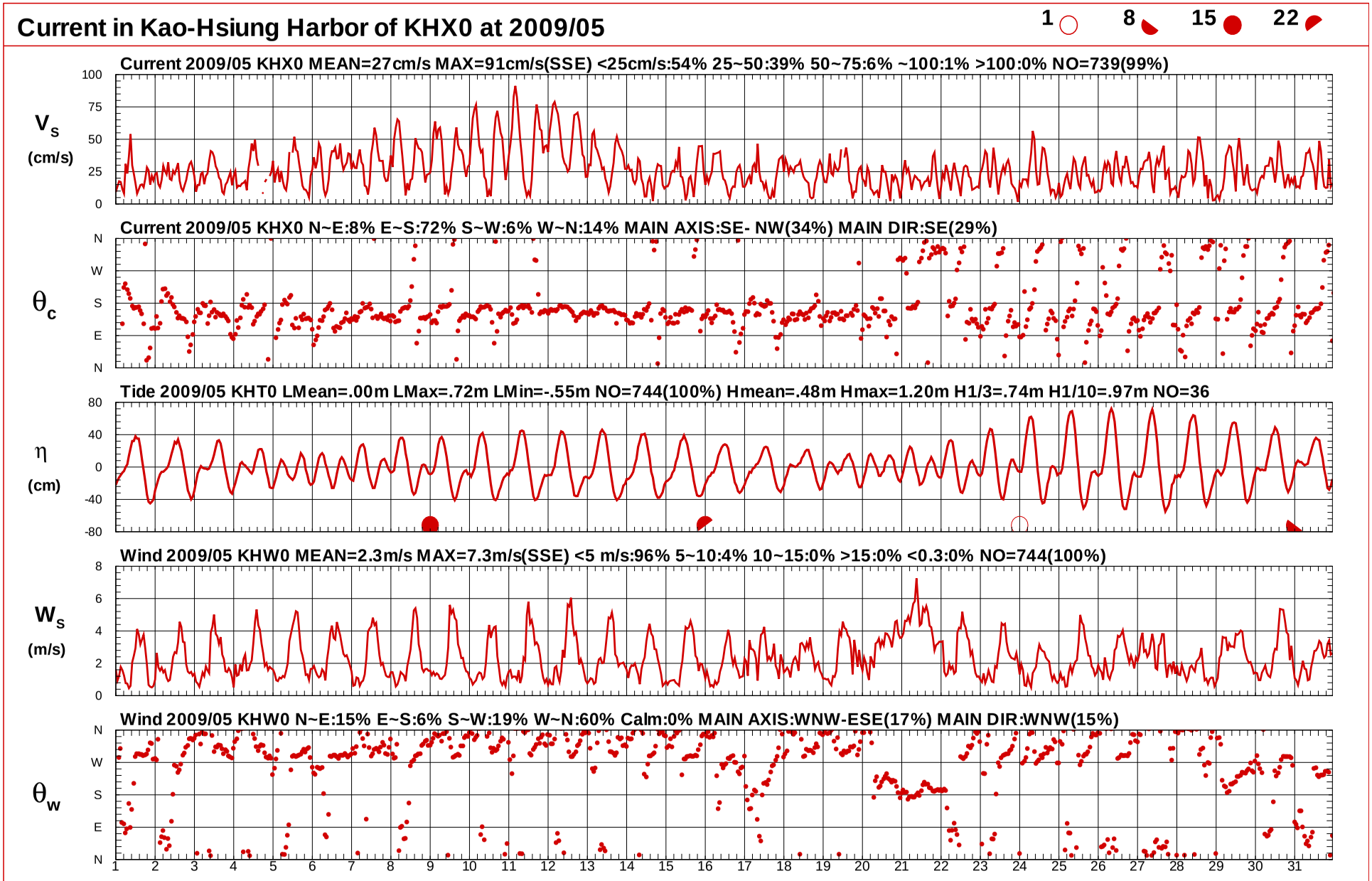


圖 4.5.6 2009年 5 月高雄港測站 X 海流 (潮位及風) 歷線圖

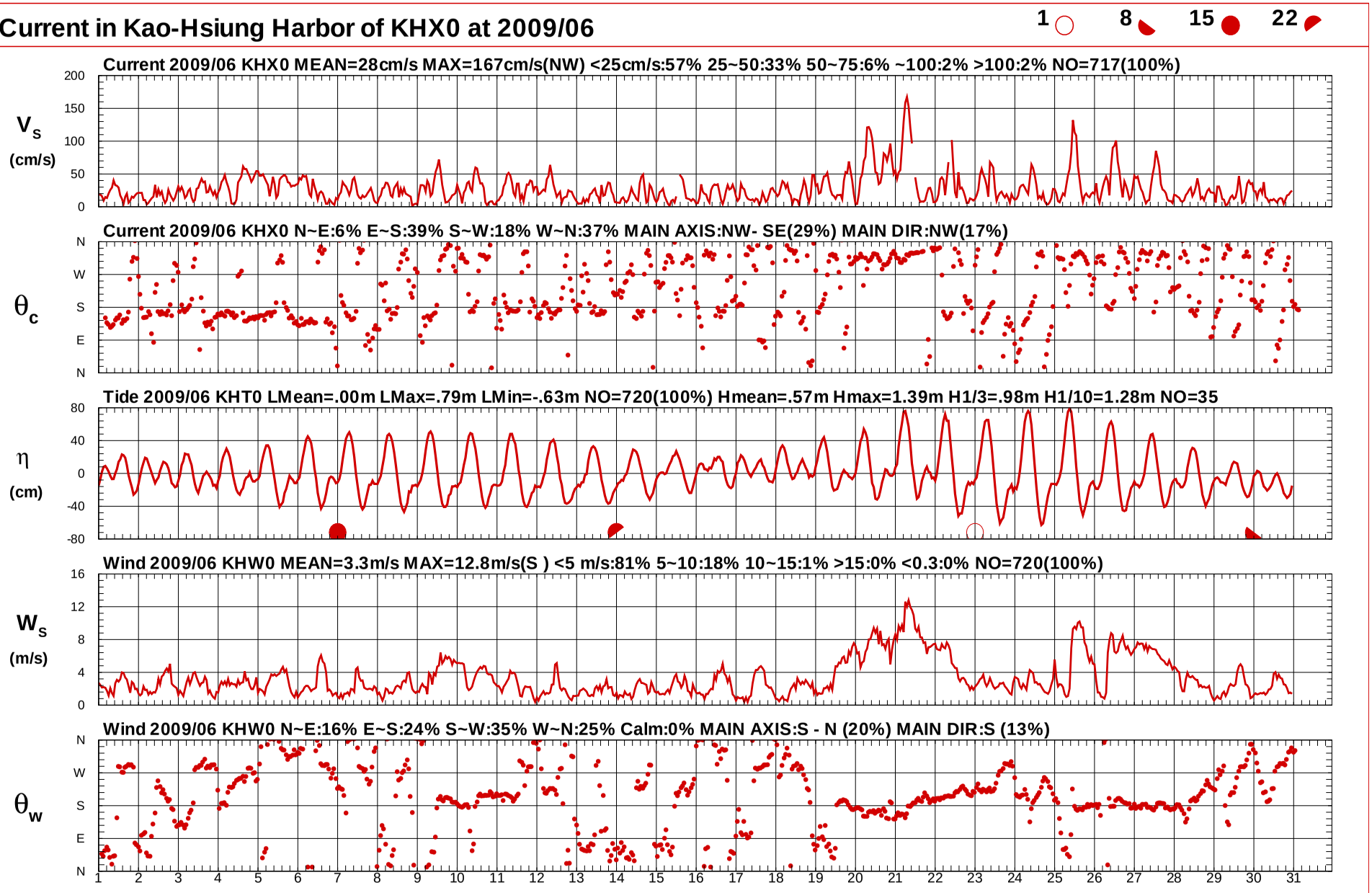


圖 4.5.7 2009年 6 月高雄港測站 X 海流 (潮位及風) 歷線圖

C096KHX0.1HA T096KHT0.1HA W096KHW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

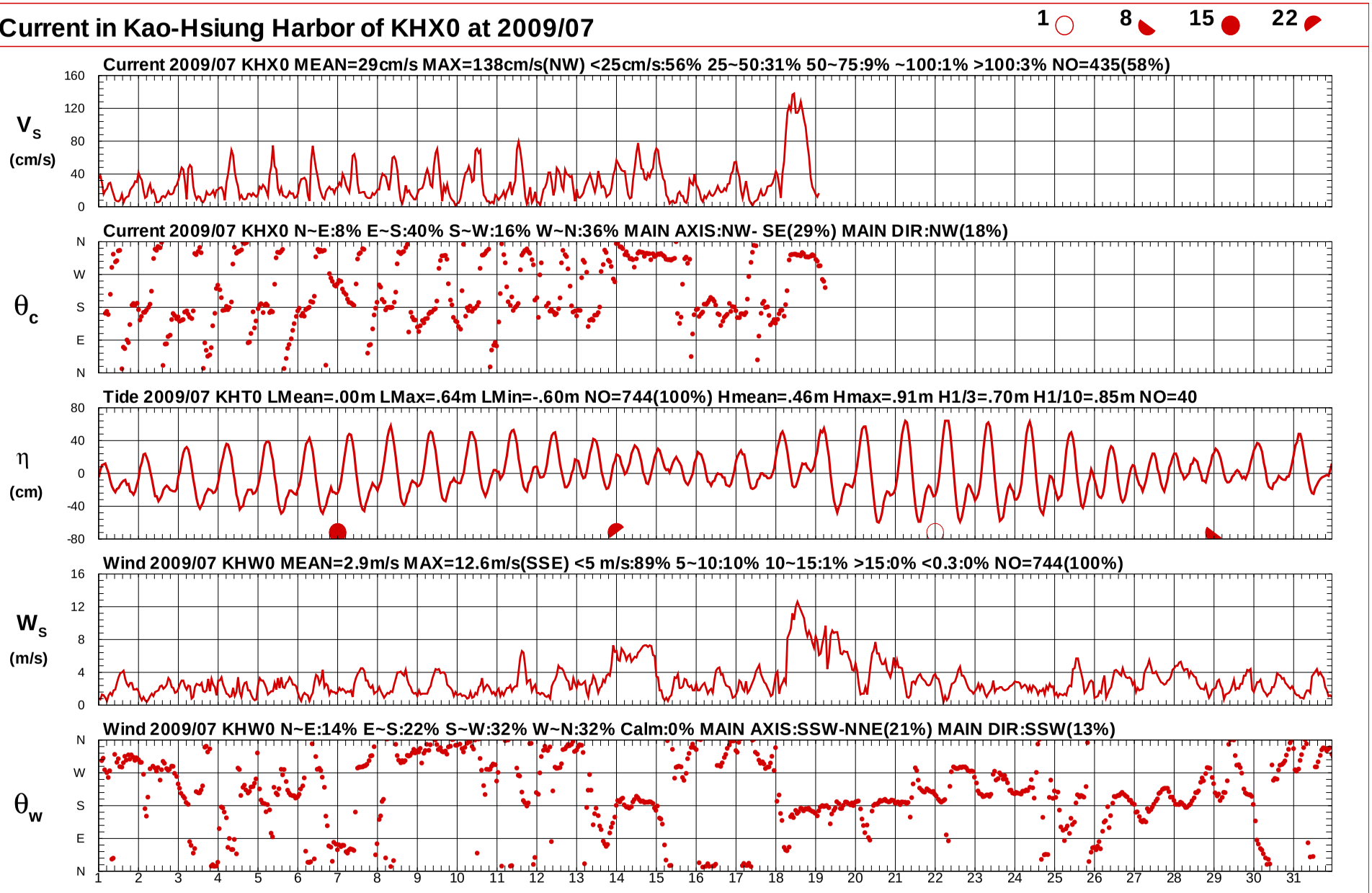


圖 4.5.8 2009年 7月高雄港測站 X 海流 (潮位及風) 歷線圖

C097KHX0.1HA T097KHT0.1HA W097KHW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

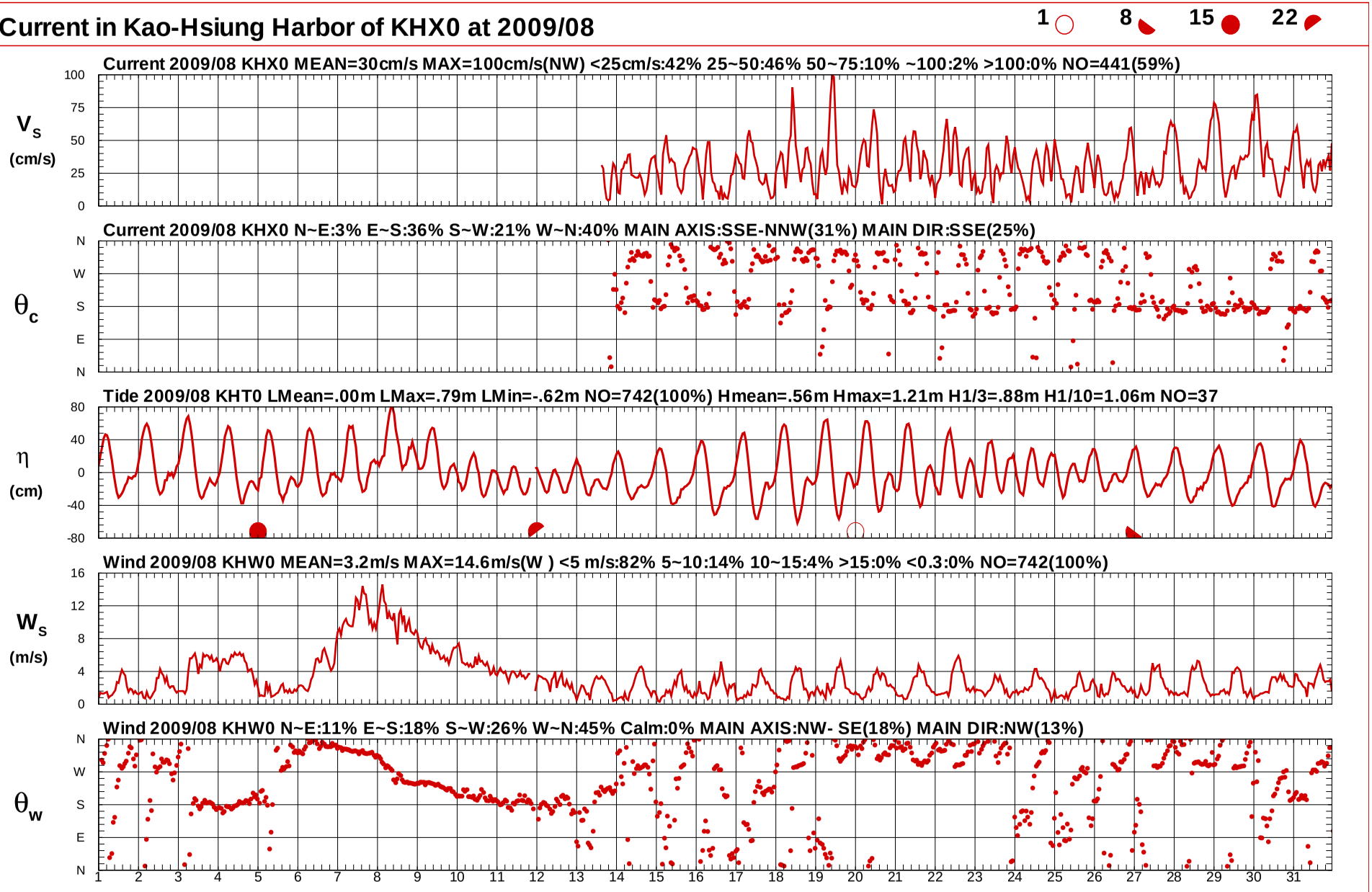


圖 4.5.9 2009年 8 月高雄港測站 X 海流 (潮位及風) 歷線圖

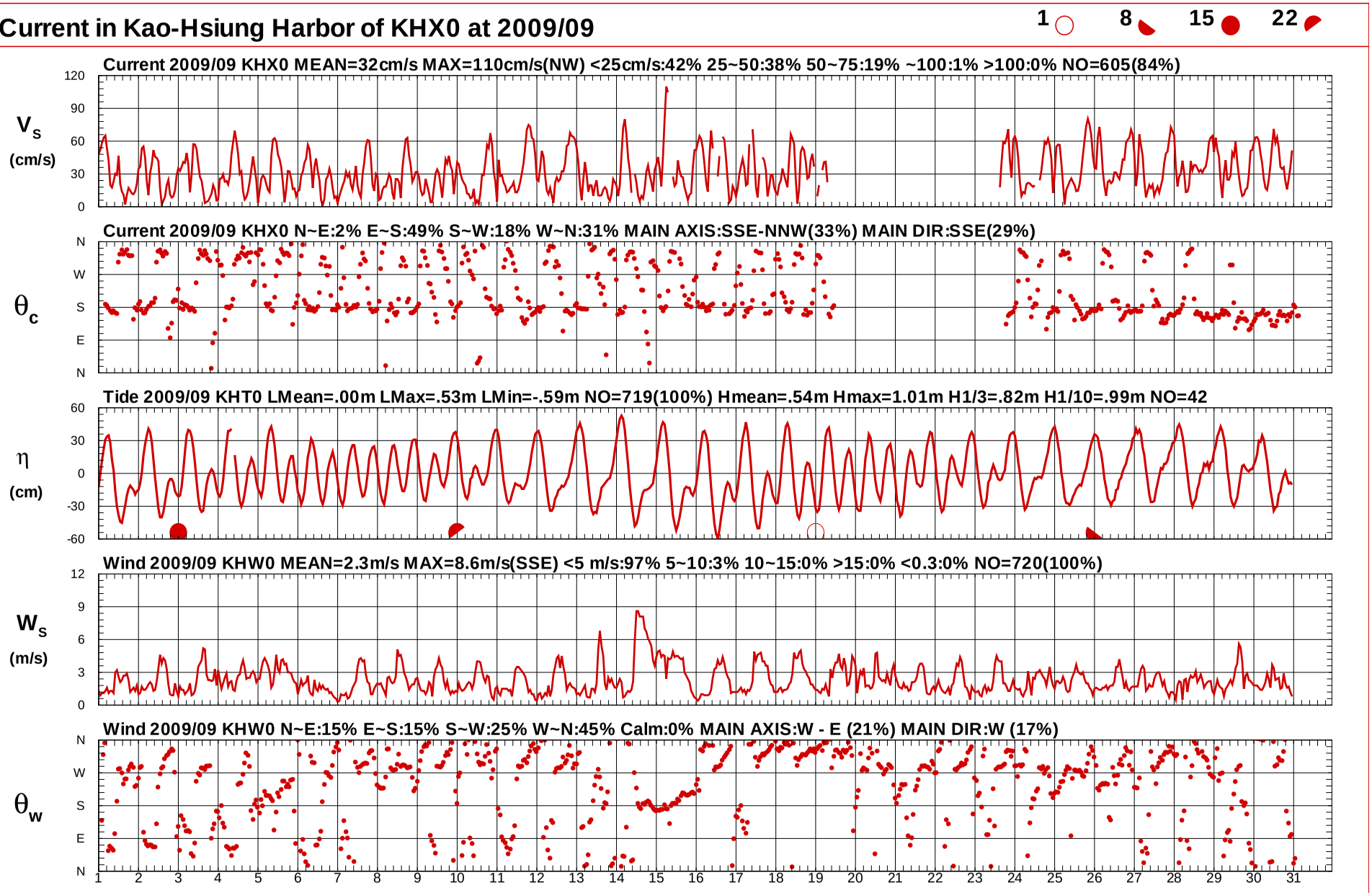


圖 4.5.10 2009年 9 月高雄港測站 X 海流 (潮位及風) 歷線圖

C099KHX0.1HA T099KHT0.1HA W099KHW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

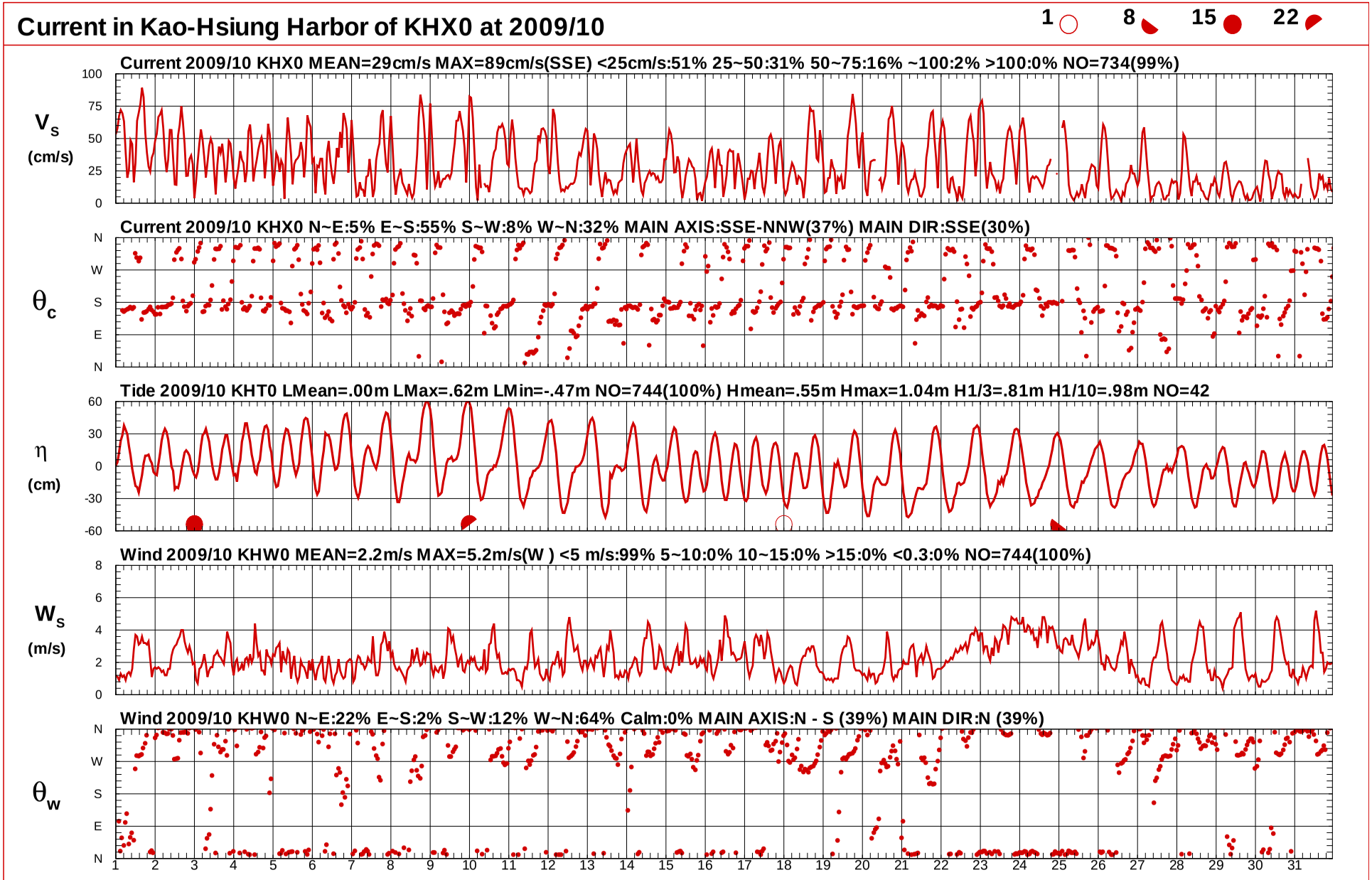


圖 4.5.11　2009年10月高雄港測站 X 海流 (潮位及風) 歷線圖

C09AKHX0.1HA　T09AKHT0.1HA　W09AKHW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

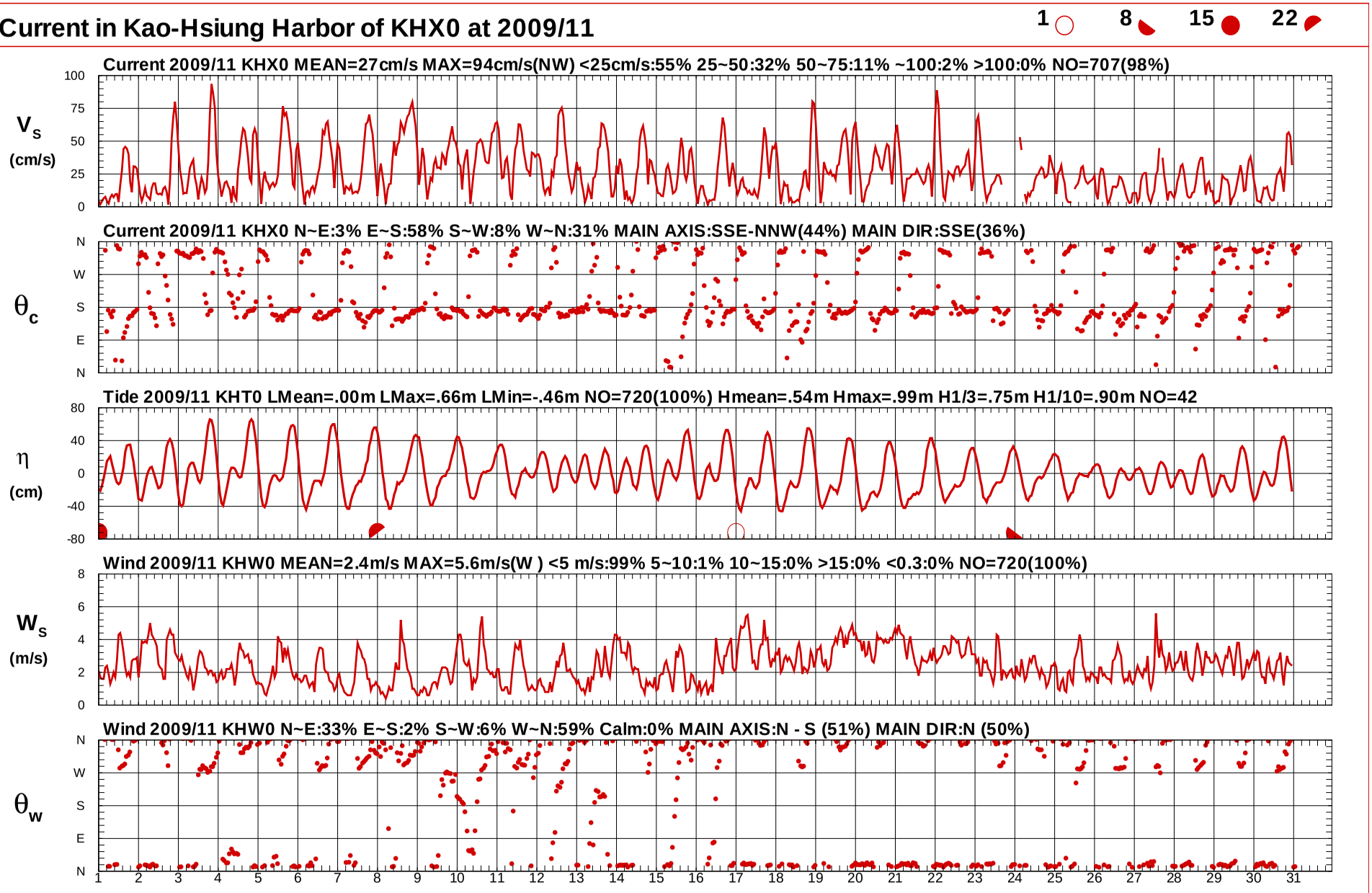


圖 4.5.12　2009年11月高雄港測站 X 海流 (潮位及風) 歷線圖

C09BKHX0.1HA　T09BKHT0.1HA　W09BKHW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

Current Speed in Kao-Hsiung Harbor of KHX0 at 2009

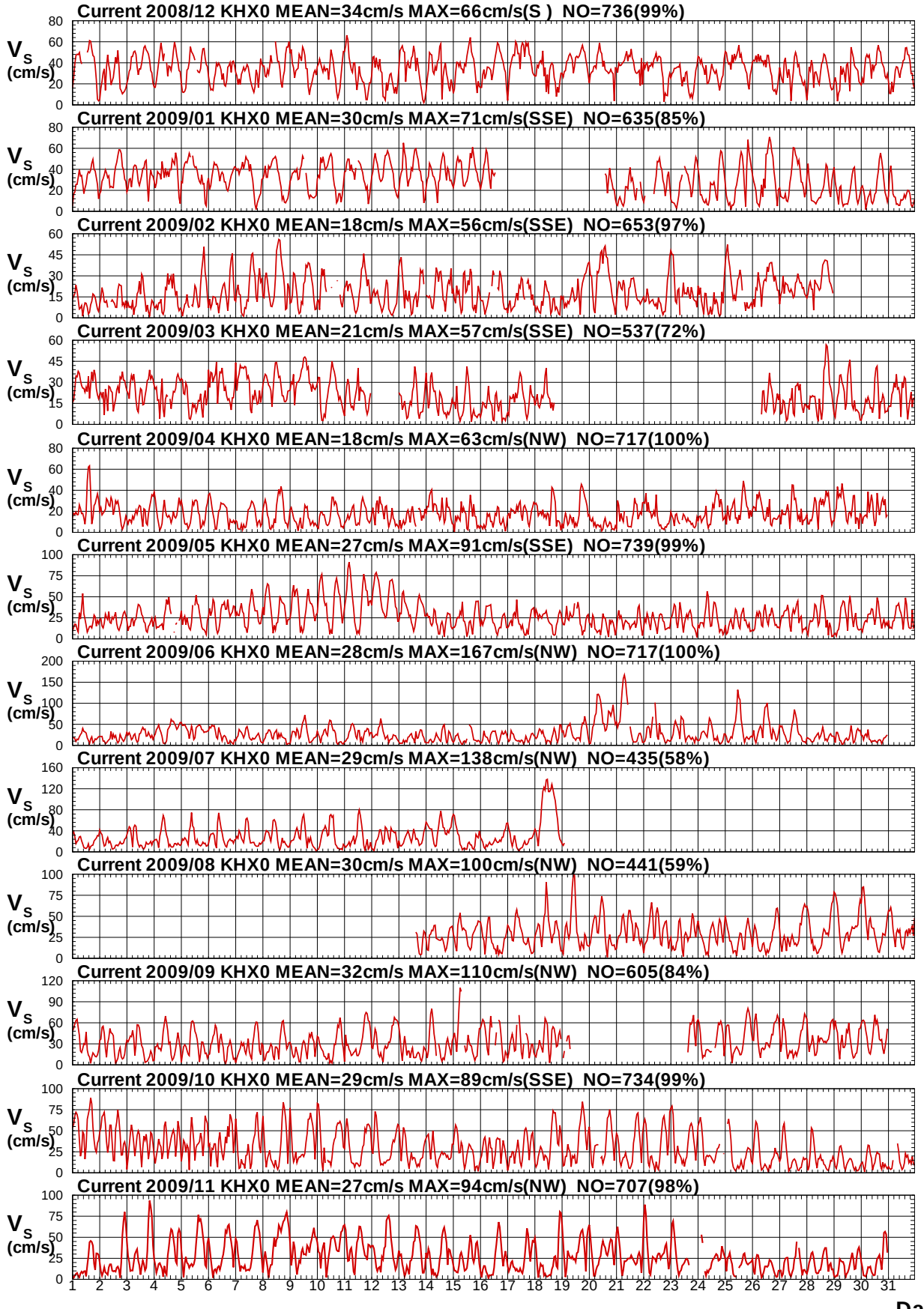


圖 4.5.13　2009年高雄港測站 X 觀測流速歷線圖

C08CKHX0.1HA C091KHX0.1HA C092KHX0.1HA C093KHX0.1HA C094KHX0.1HA C095KHX0.1HA
C096KHX0.1HA C097KHX0.1HA C098KHX0.1HA C099KHX0.1HA C09AKHX0.1HA C09BKHX0.1HA

Institute of Harbor & Marine Technology

Current Direction in Kao-Hsiung Harbor of KHX0 at 2009

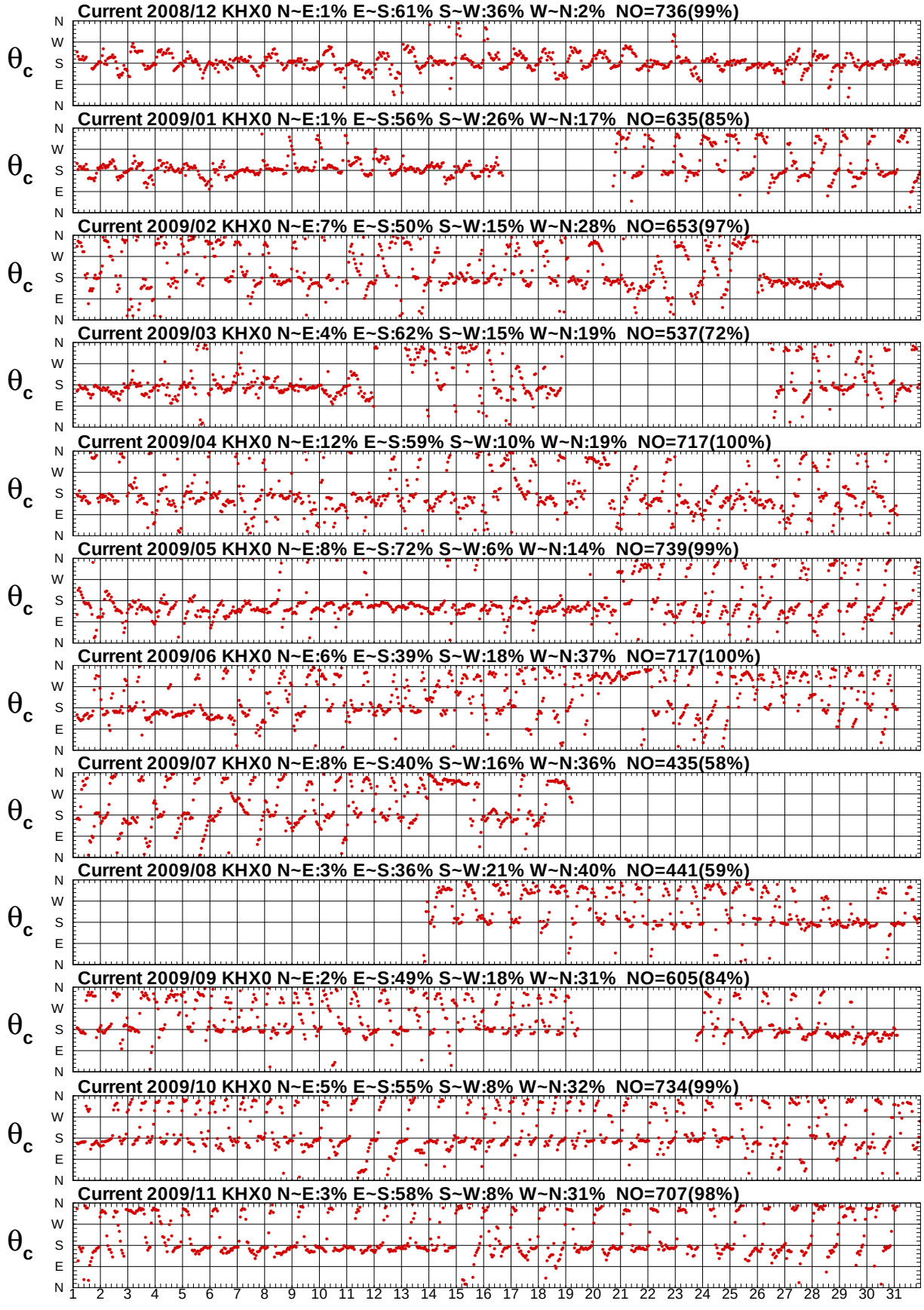


圖 4.5.14　2009年高雄港測站 X 觀測流向歷線圖

C08CKHX0.1HA C091KHX0.1HA C092KHX0.1HA C093KHX0.1HA C094KHX0.1HA C095KHX0.1HA
C096KHX0.1HA C097KHX0.1HA C098KHX0.1HA C099KHX0.1HA C09AKHX0.1HA C09BKHX0.1HA

Institute of Harbor & Marine Technology

Current Vector in Kao-Hsiung Harbor of KHX0 at 2009

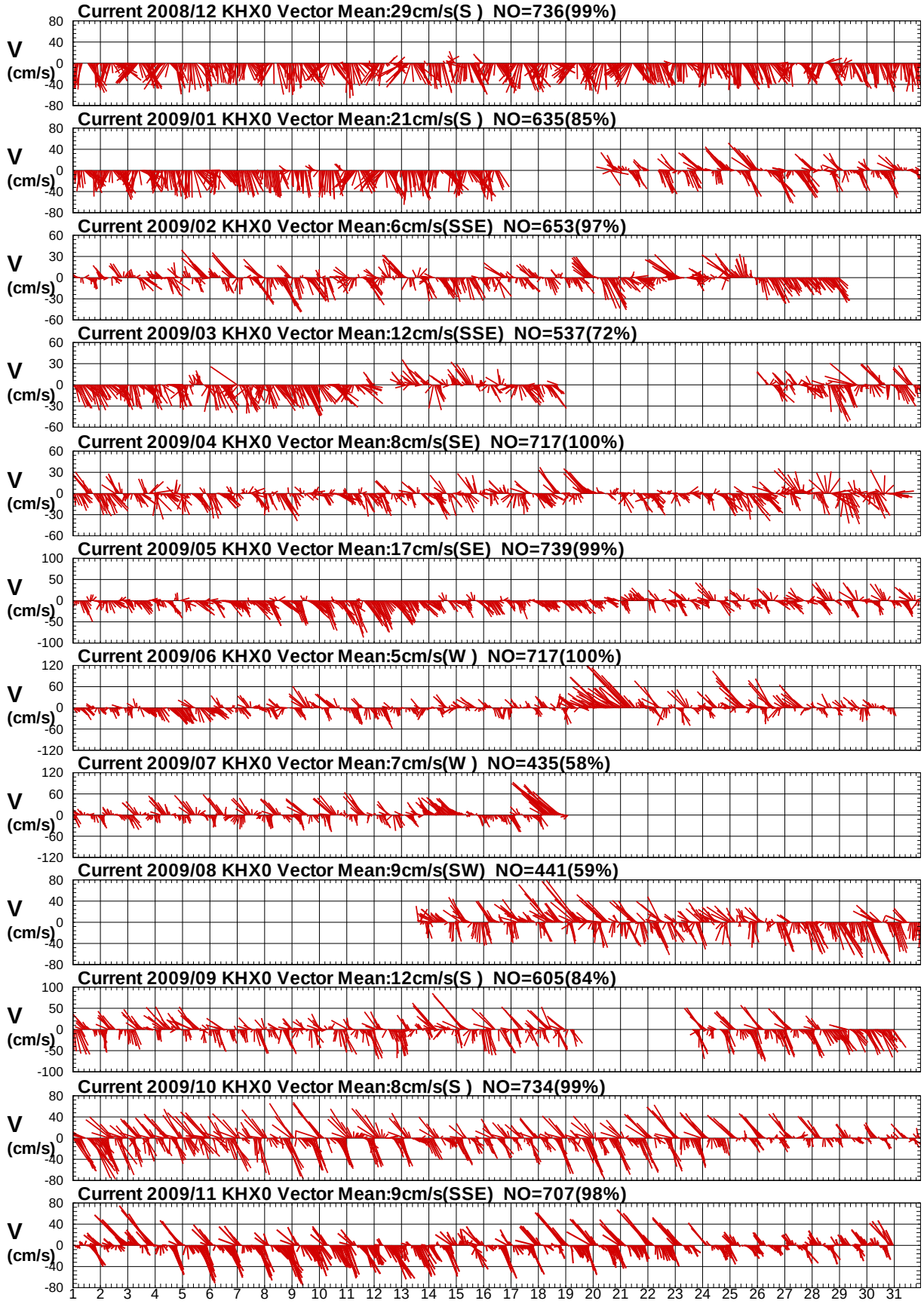


圖 4.5.15　2009年高雄港測站 X 觀測流矢圖

C08CKHX0.1HA C091KHX0.1HA C092KHX0.1HA C093KHX0.1HA C094KHX0.1HA C095KHX0.1HA
C096KHX0.1HA C097KHX0.1HA C098KHX0.1HA C099KHX0.1HA C09AKHX0.1HA C09BKHX0.1HA

Institute of Harbor & Marine Technology

Current Speed in Kao-Hsiung Harbor of Cal. at 2009

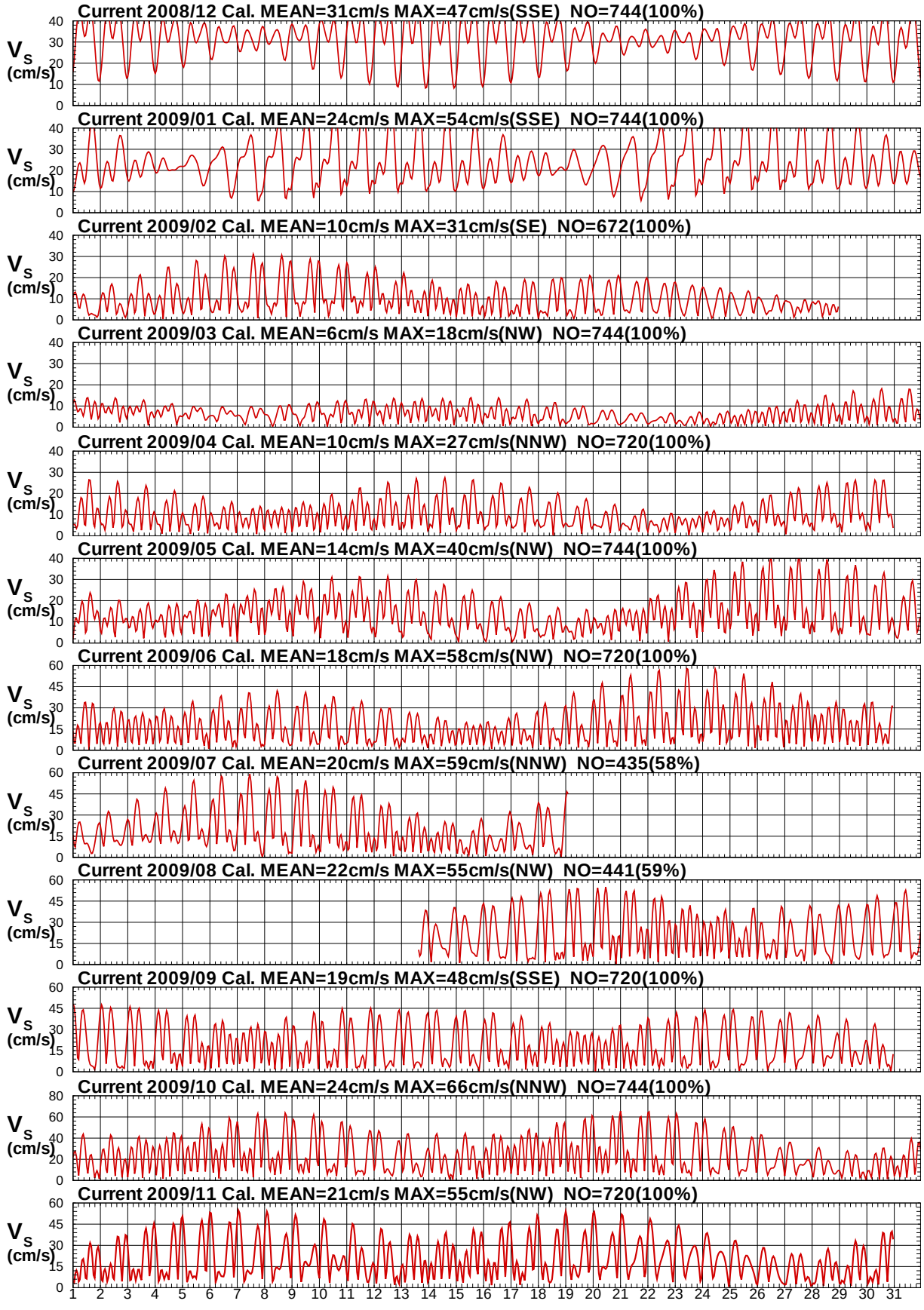


圖 4.5.16　2009年高雄港測站 X 潮流流速歷線圖

C08CKHX0.1HC C091KHX0.1HC C092KHX0.1HC C093KHX0.1HC C094KHX0.1HC C095KHX0.1HC
C096KHX0.1HC C097KHX0.1HC C098KHX0.1HC C099KHX0.1HC C09AKHX0.1HC C09BKHX0.1HC

Institute of Harbor & Marine Technology

Current Direction in Kao-Hsiung Harbor of Cal. at 2009

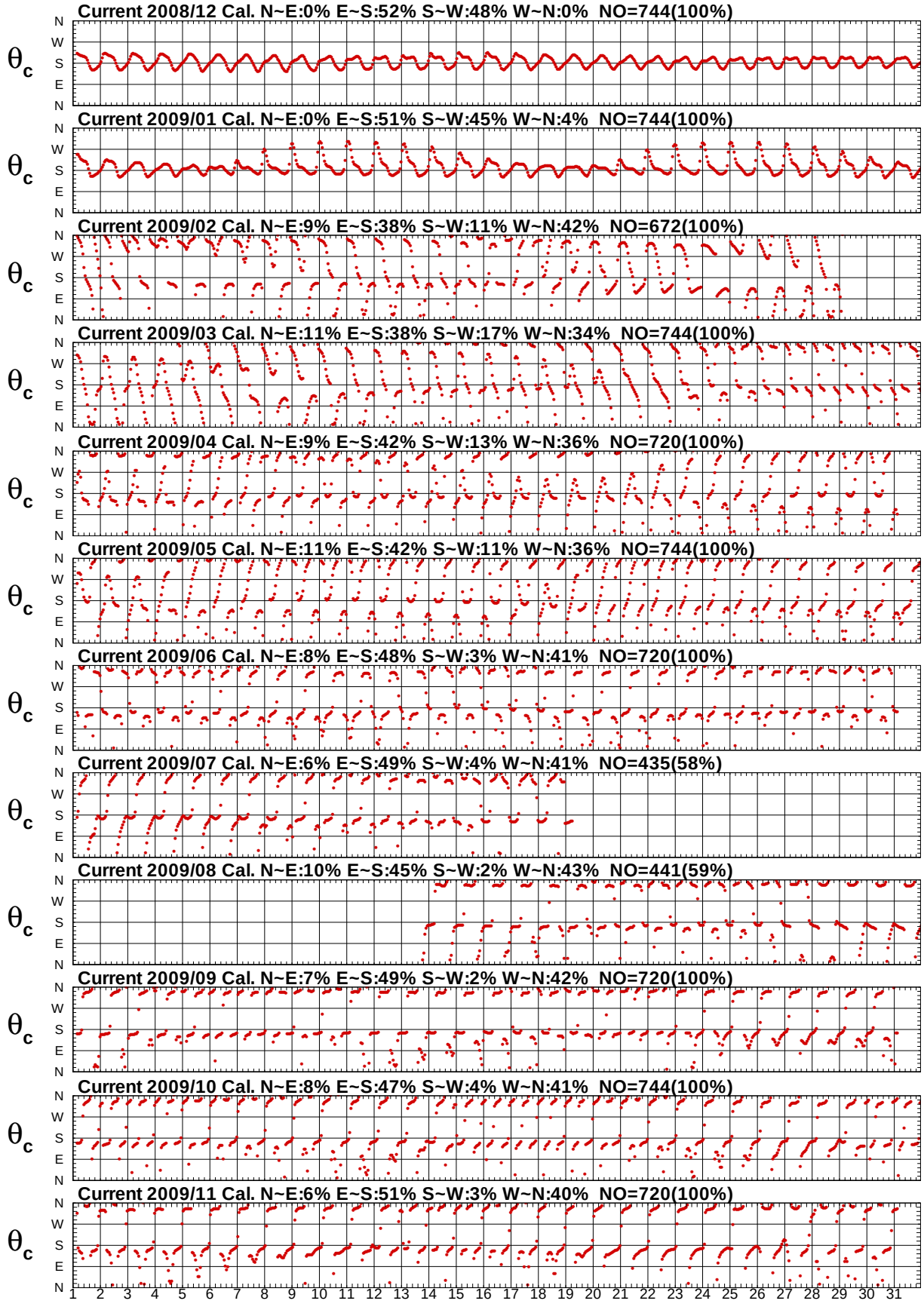


圖 4.5.17　2009年高雄港測站 X 潮流流向歷線圖

C08CKHX0.1HC C091KHX0.1HC C092KHX0.1HC C093KHX0.1HC C094KHX0.1HC C095KHX0.1HC
C096KHX0.1HC C097KHX0.1HC C098KHX0.1HC C099KHX0.1HC C09AKHX0.1HC C09BKHX0.1HC

Institute of Harbor & Marine Technology

Current Vector in Kao-Hsiung Harbor of Cal. at 2009

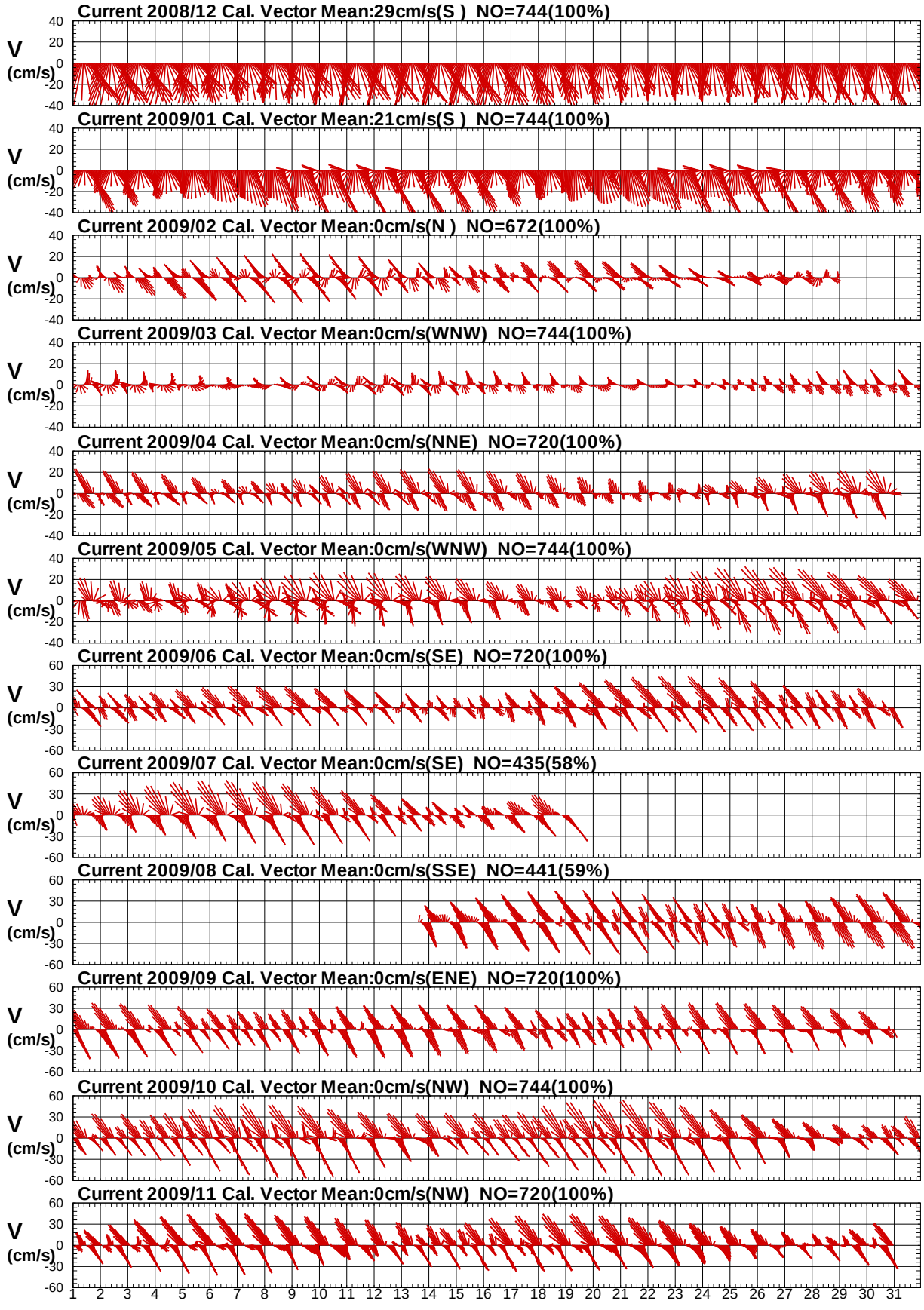


圖 4.5.18　2009年高雄港測站 X 潮流流矢圖

C08CKHX0.1HC C091KHX0.1HC C092KHX0.1HC C093KHX0.1HC C094KHX0.1HC C095KHX0.1HC
C096KHX0.1HC C097KHX0.1HC C098KHX0.1HC C099KHX0.1HC C09AKHX0.1HC C09BKHX0.1HC

Institute of Harbor & Marine Technology

Current Speed in Kao-Hsiung Harbor of KHX0 at 2009

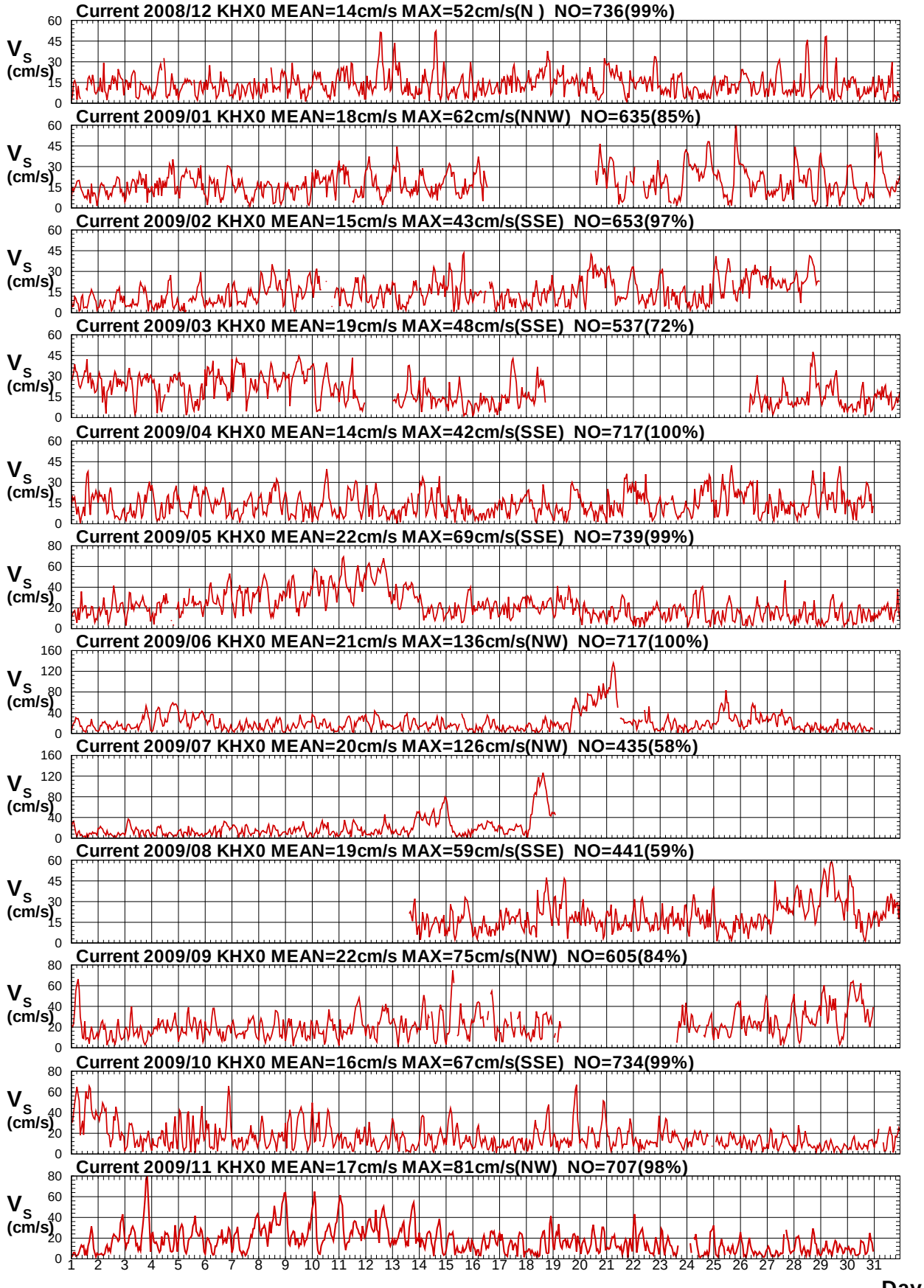


圖 4.5.19　2009年高雄港測站 X 非潮流速歷線圖

C08CKHX0.1HR C091KHX0.1HR C092KHX0.1HR C093KHX0.1HR C094KHX0.1HR C095KHX0.1HR
C096KHX0.1HR C097KHX0.1HR C098KHX0.1HR C099KHX0.1HR C09AKHX0.1HR C09BKHX0.1HR

Institute of Harbor & Marine Technology

Current Direction in Kao-Hsiung Harbor of KHX0 at 2009

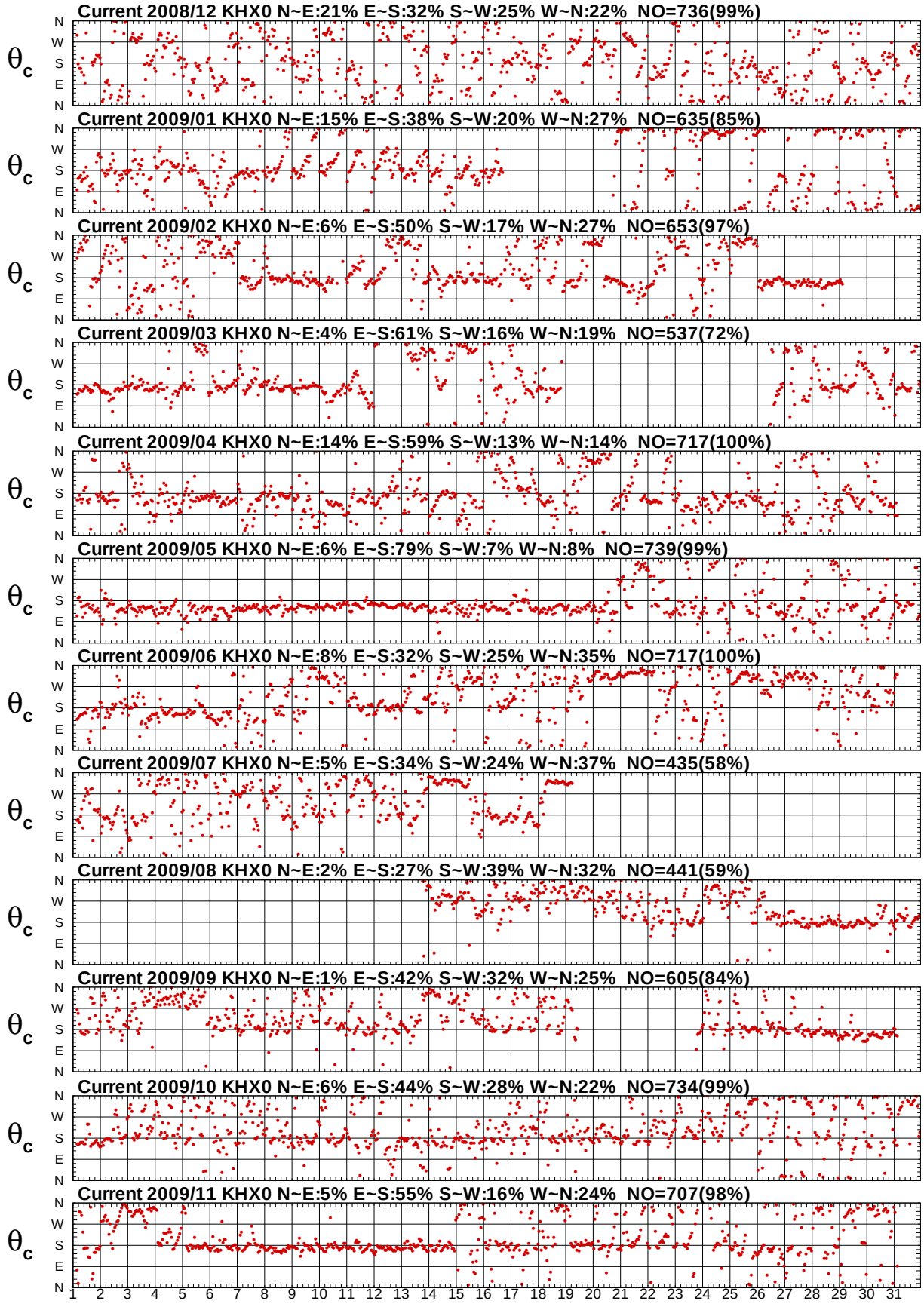


圖 4.5.20　2009年高雄港測站 X 非潮流向歷線圖

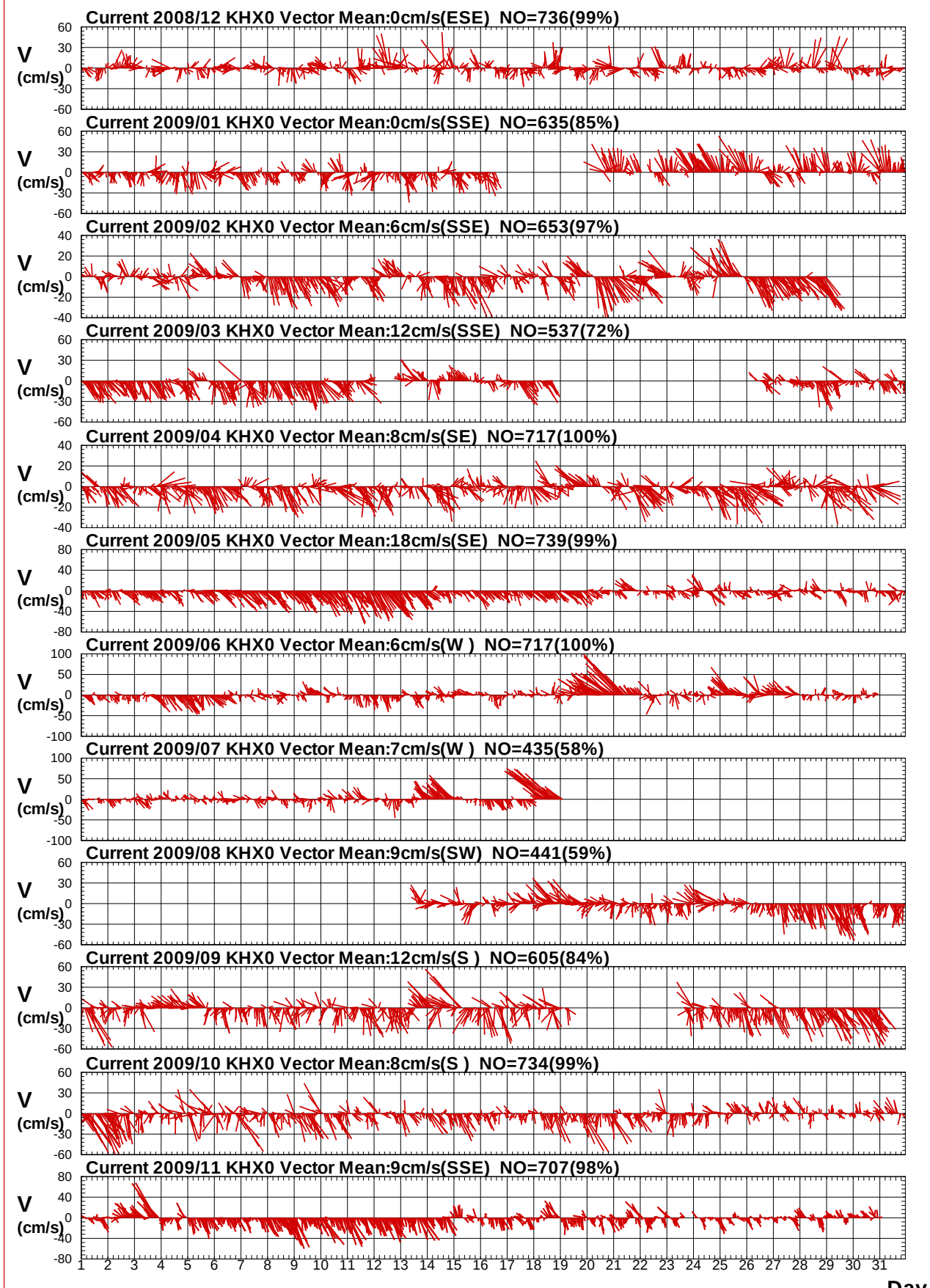


圖4.5.21　2009年高雄港測站 X 非潮流矢圖

C08CKHX0.1HR C091KHX0.1HR C092KHX0.1HR C093KHX0.1HR C094KHX0.1HR C095KHX0.1HR
C096KHX0.1HR C097KHX0.1HR C098KHX0.1HR C099KHX0.1HR C09AKHX0.1HR C09BKHX0.1HR

Institute of Harbor & Marine Technology

Current Speed in Kao-Hsiung Harbor of KHX0 at 2009

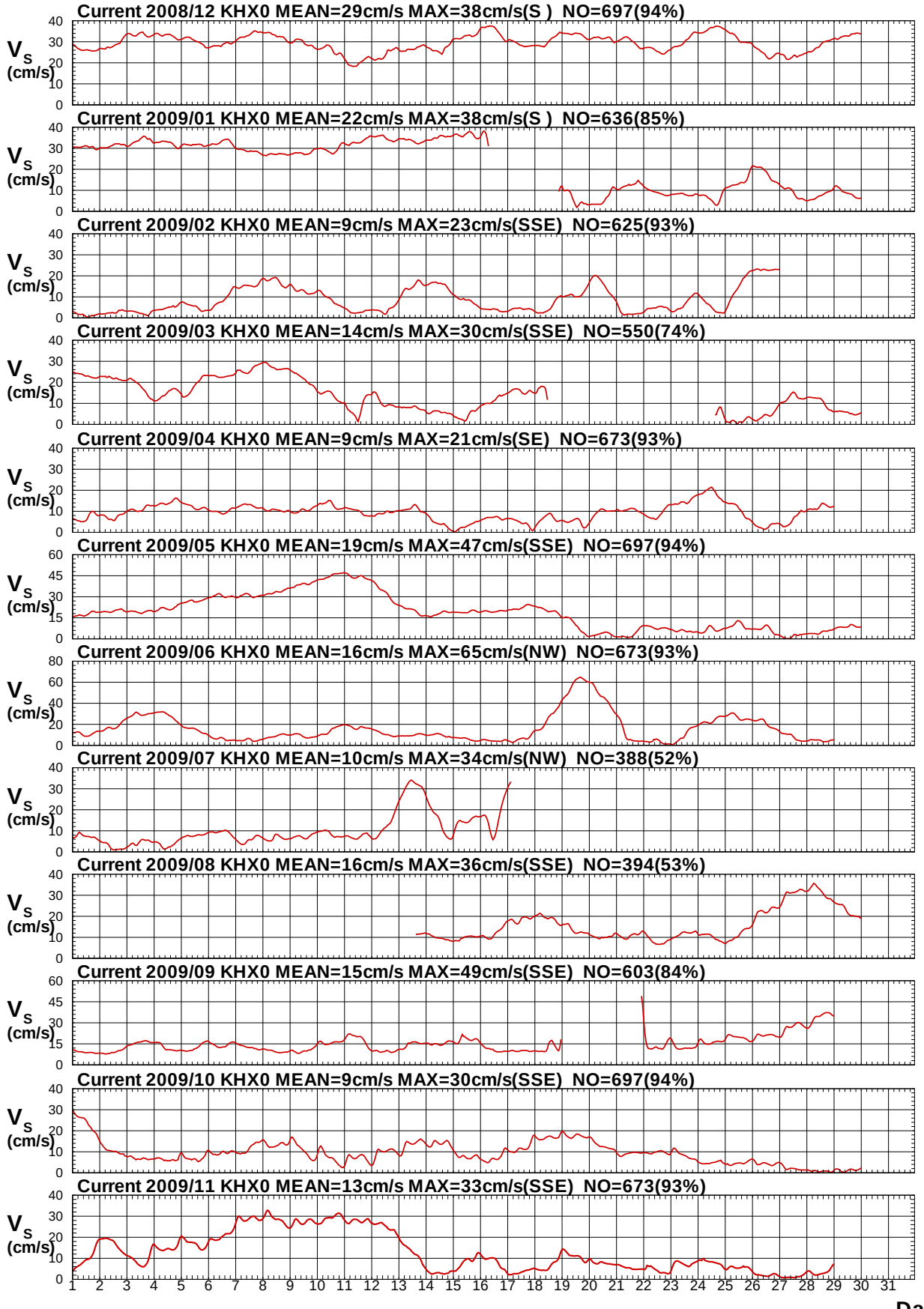


圖 4.5.22　2009年高雄港 X 站48時平均流速歷線圖

C08CKHX0.48H C091KHX0.48H C092KHX0.48H C093KHX0.48H C094KHX0.48H C095KHX0.48H
C096KHX0.48H C097KHX0.48H C098KHX0.48H C099KHX0.48H C09AKHX0.48H C09BKHX0.48H

Institute of Harbor & Marine Technology

Current Direction in Kao-Hsiung Harbor of KHX0 at 2009

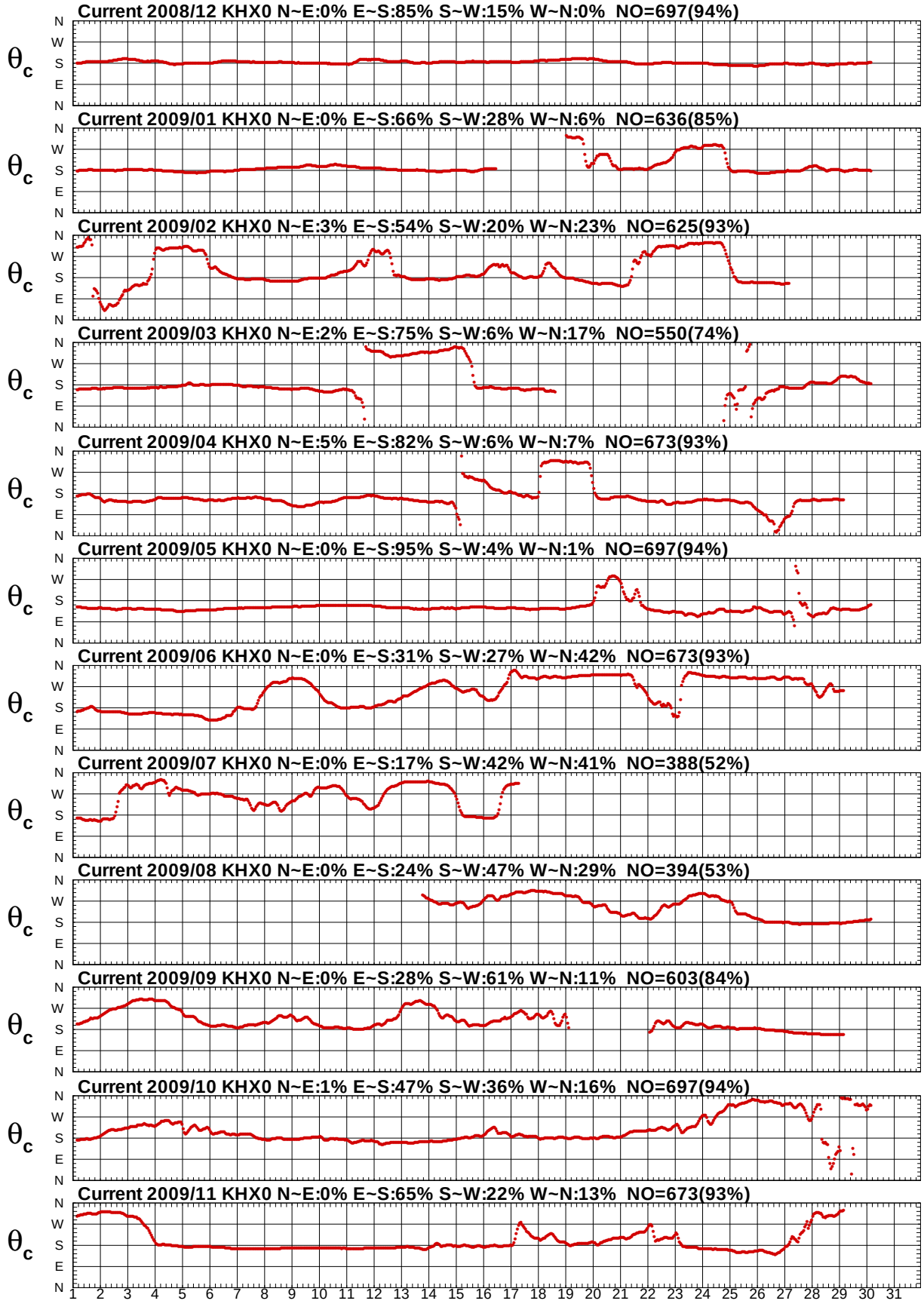


圖 4.5.23　2009年高雄港 X 站48時平均流向歷線圖

C08CKHX0.48H C091KHX0.48H C092KHX0.48H C093KHX0.48H C094KHX0.48H C095KHX0.48H
C096KHX0.48H C097KHX0.48H C098KHX0.48H C099KHX0.48H C09AKHX0.48H C09BKHX0.48H

Institute of Harbor & Marine Technology

Current Vector in Kao-Hsiung Harbor of KHX0 at 2009

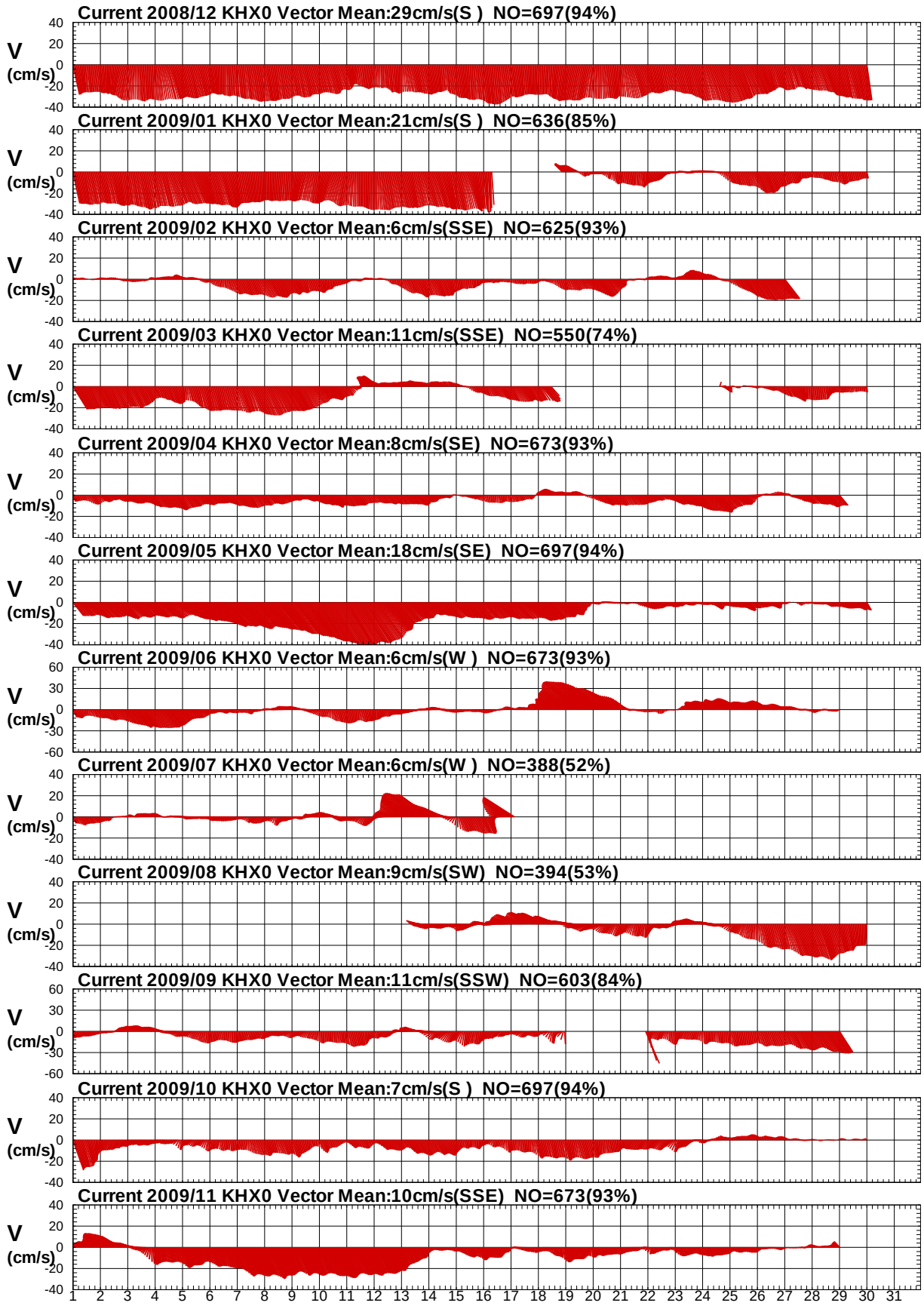


圖 4.5.24　2009年高雄港 X 站48時平均流矢圖

C08CKHX0.48H C091KHX0.48H C092KHX0.48H C093KHX0.48H C094KHX0.48H C095KHX0.48H
C096KHX0.48H C097KHX0.48H C098KHX0.48H C099KHX0.48H C09AKHX0.48H C09BKHX0.48H

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4.6　2009年花蓮港逐時海流月歷線圖
(逐時觀測海流歷線圖)
(逐時純潮流歷線圖)
(逐時非潮流歷線圖)
(48時向量平均海流歷線圖)

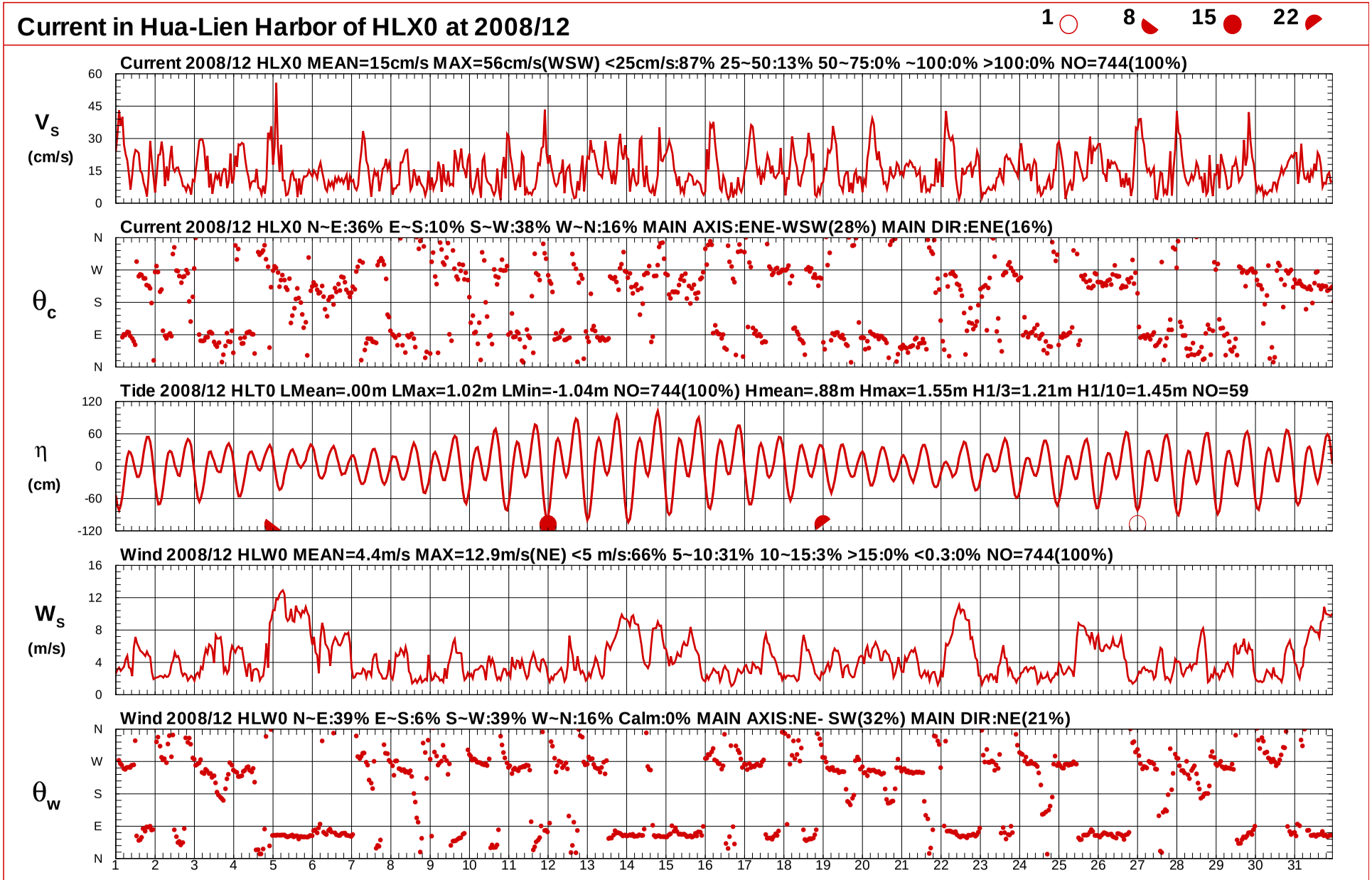


圖 4.6.1 2008年12月花蓮港測站 X 海流 (潮位及風) 歷線圖

C08CHLX0.1HA T08CHLT0.1HA W08CHLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

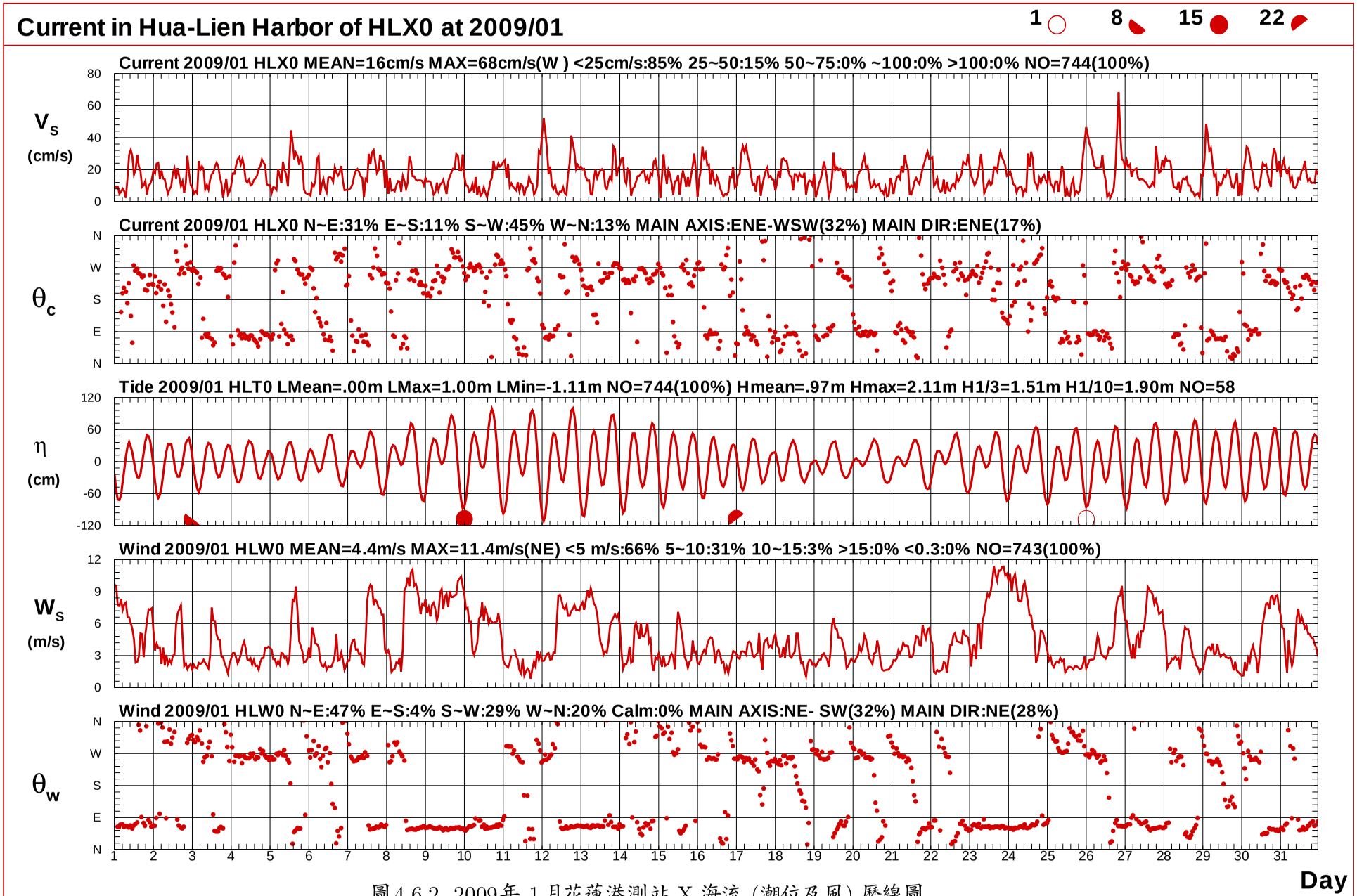


圖4.6.2 2009年 1月花蓮港測站 X 海流 (潮位及風) 歷線圖

C091HLX0.1HA T091HLT0.1HA W091HLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

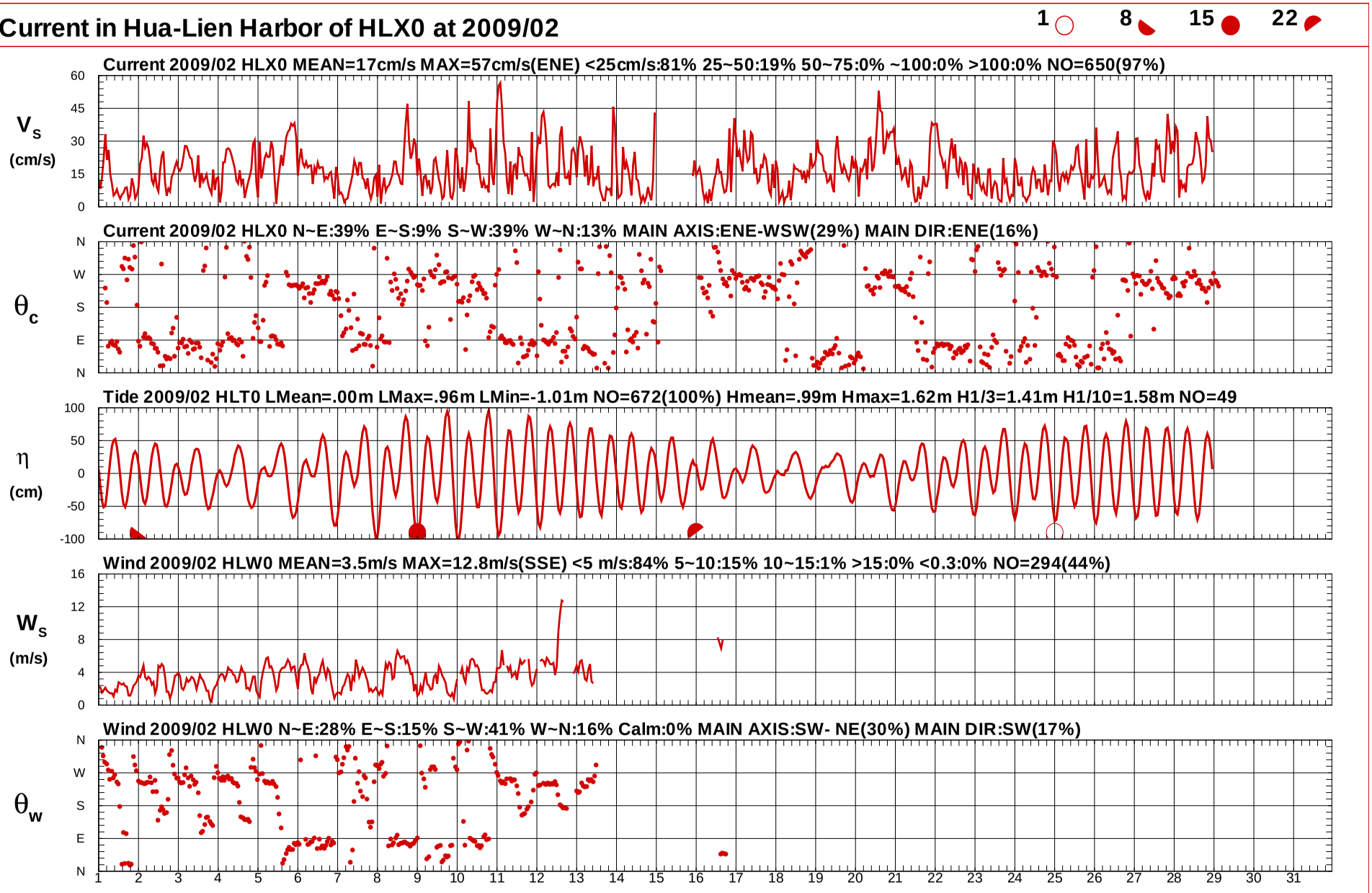


圖 4.6.3 2009年 2月花蓮港測站 X 海流 (潮位及風) 歷線圖

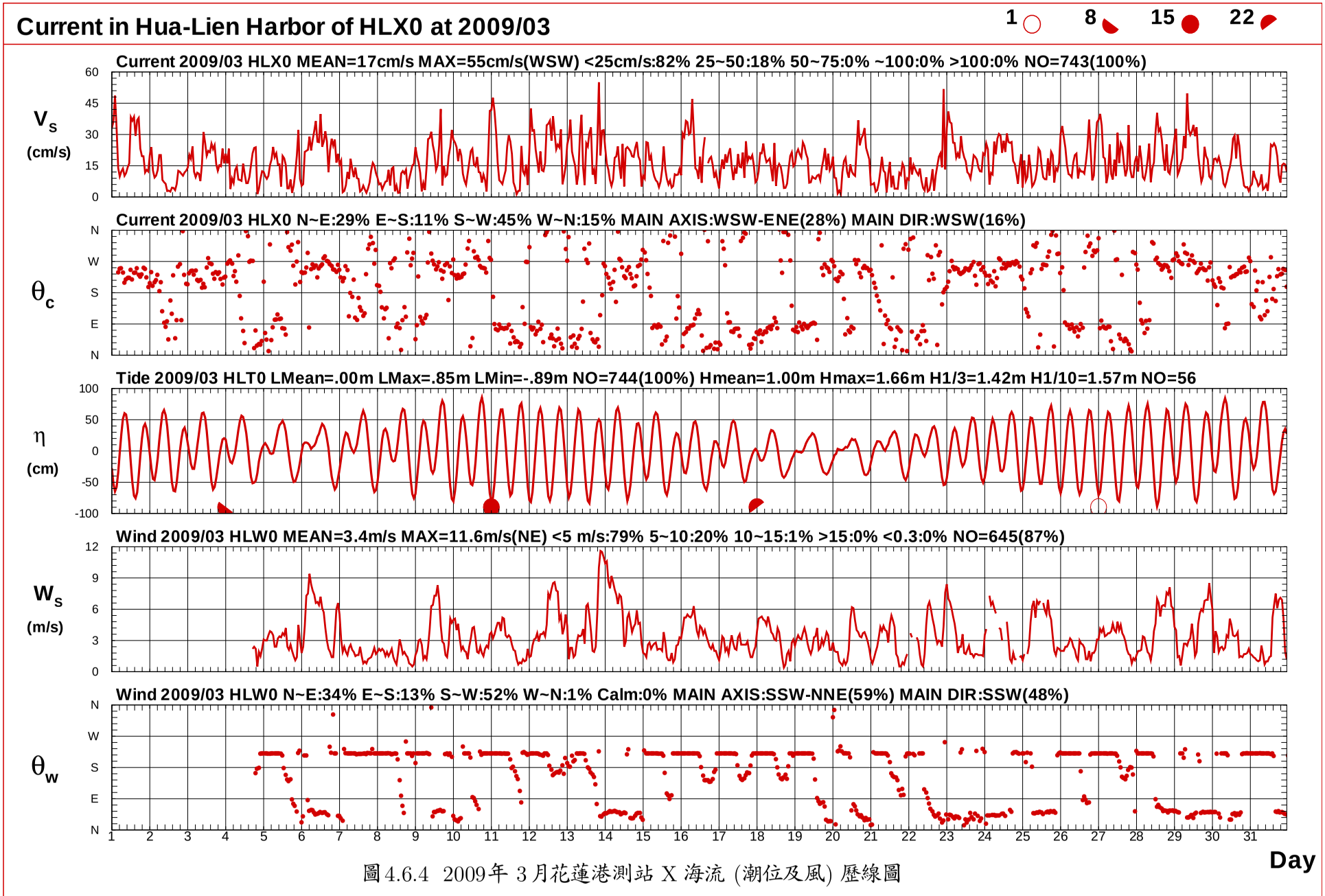


圖 4.6.4 2009年 3 月花蓮港測站 X 海流 (潮位及風) 歷線圖

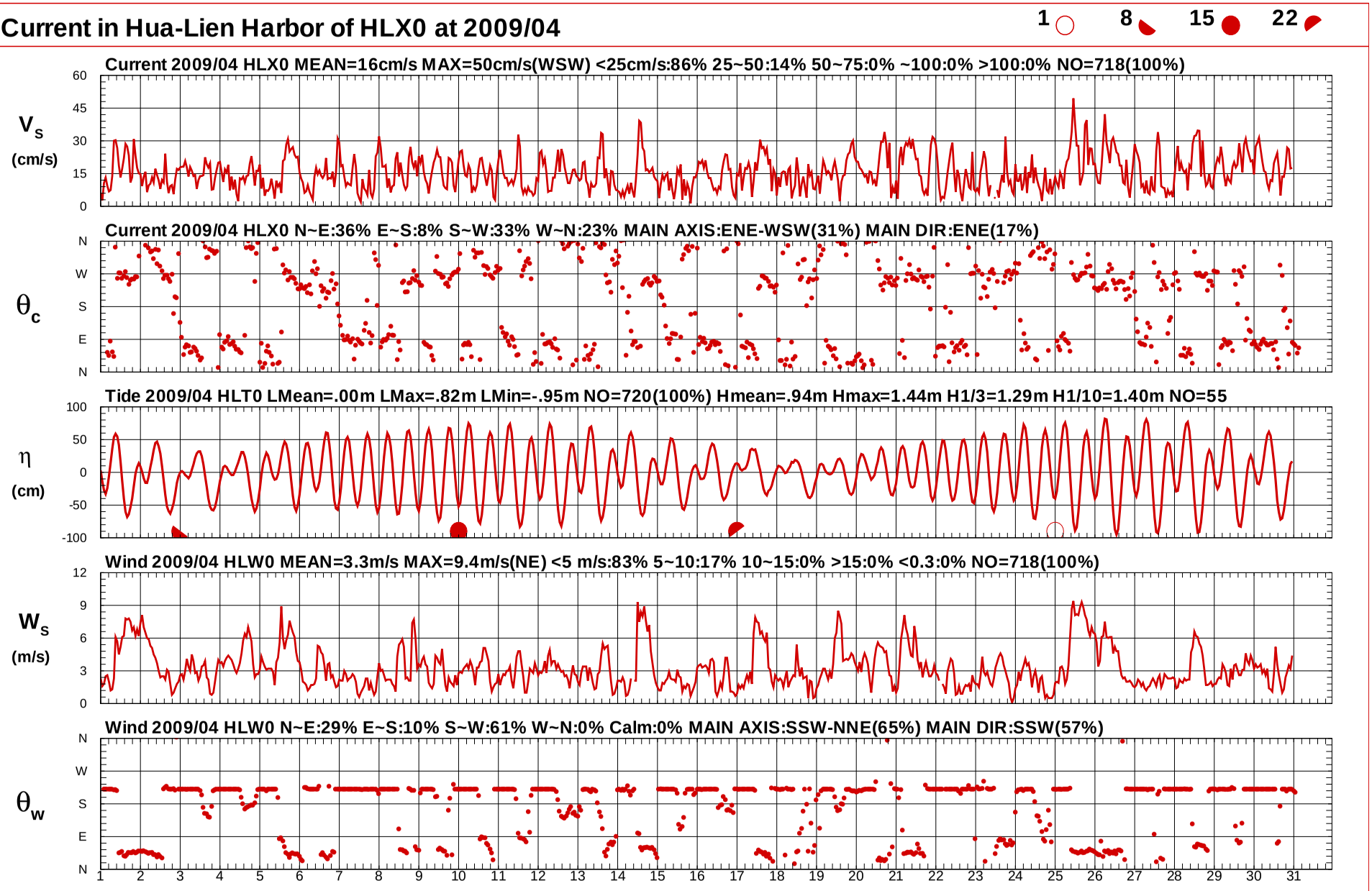


圖 4.6.5 2009年 4 月花蓮港測站 X 海流 (潮位及風) 歷線圖

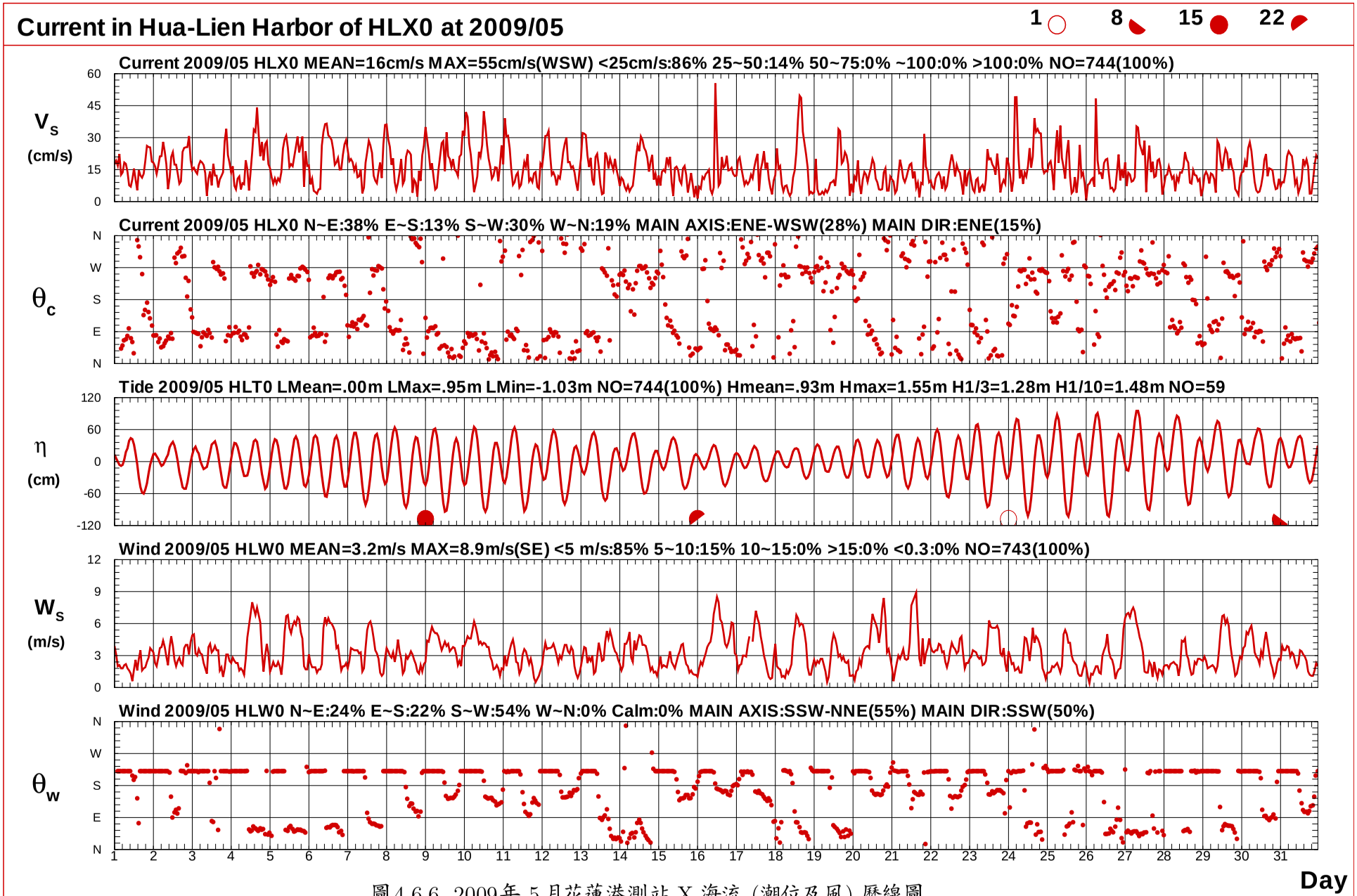


圖 4.6.6 2009年 5 月花蓮港測站 X 海流 (潮位及風) 歷線圖

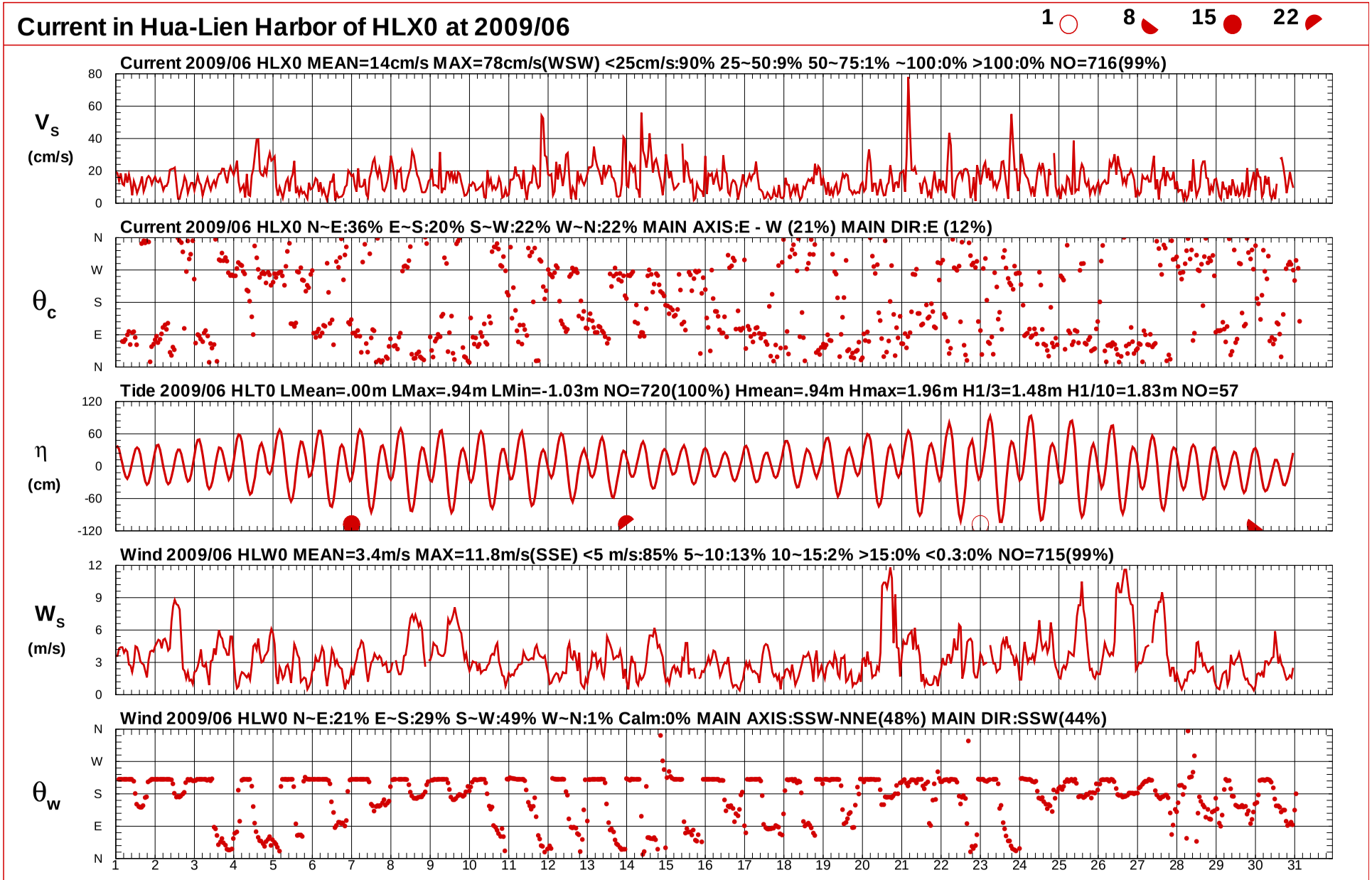


圖 4.6.7 2009年 6 月花蓮港測站 X 海流 (潮位及風) 歷線圖

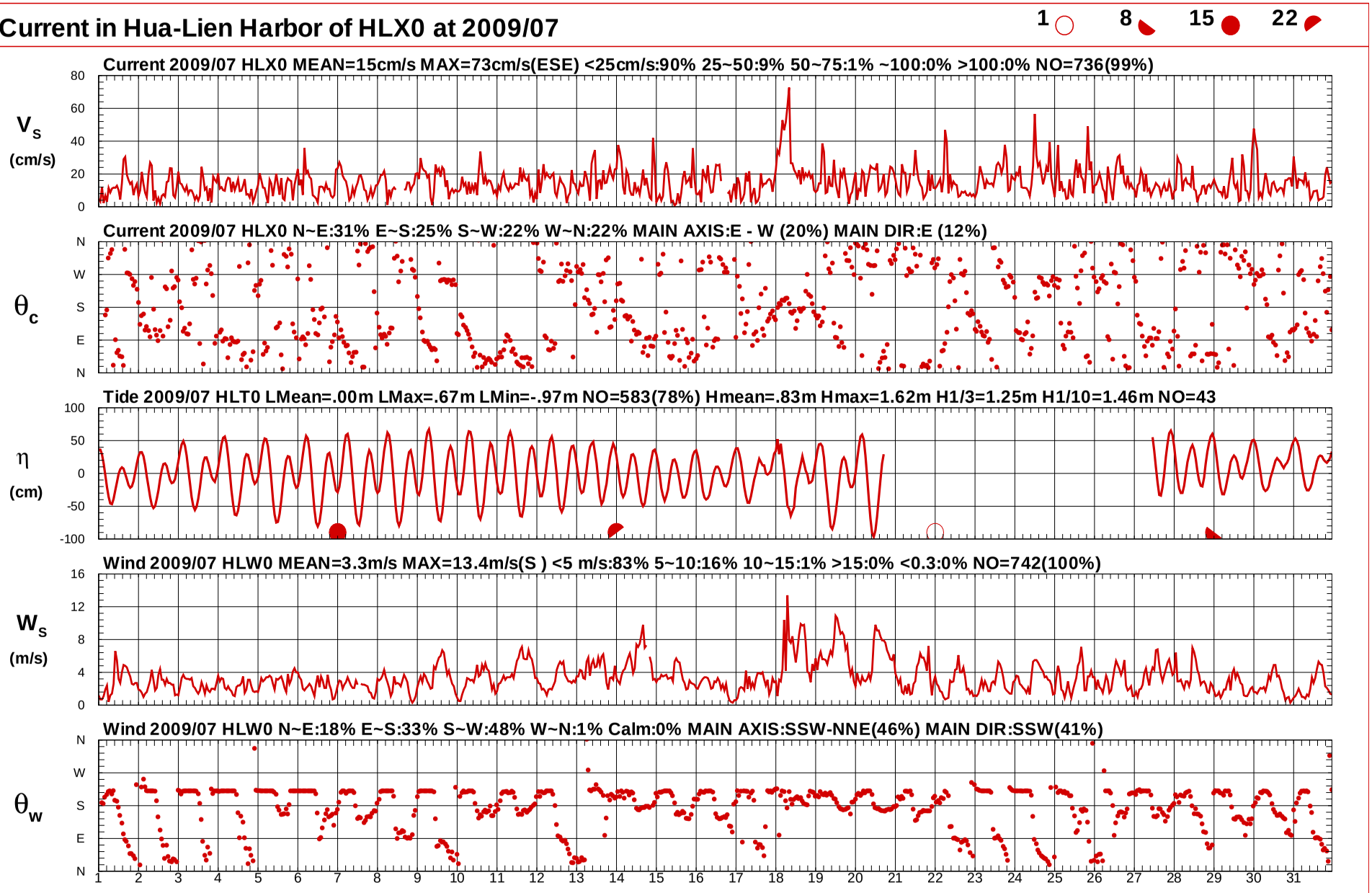


圖 4.6.8 2009年 7月花蓮港測站 X 海流 (潮位及風) 歷線圖

C097HLX0.1HA T097HLT0.1HA W097HLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

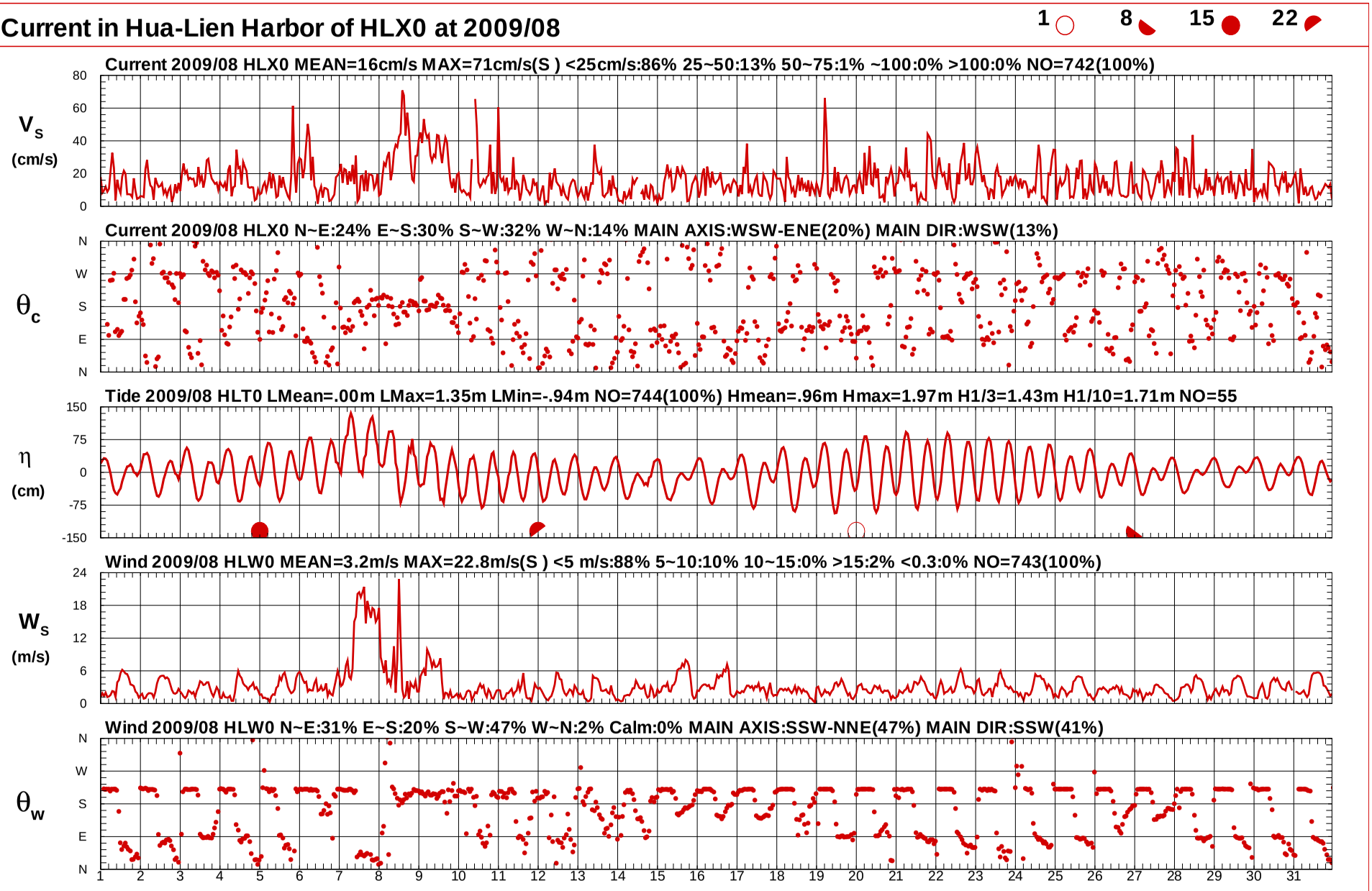


圖 4.6.9 2009年 8 月花蓮港測站 X 海流 (潮位及風) 歷線圖

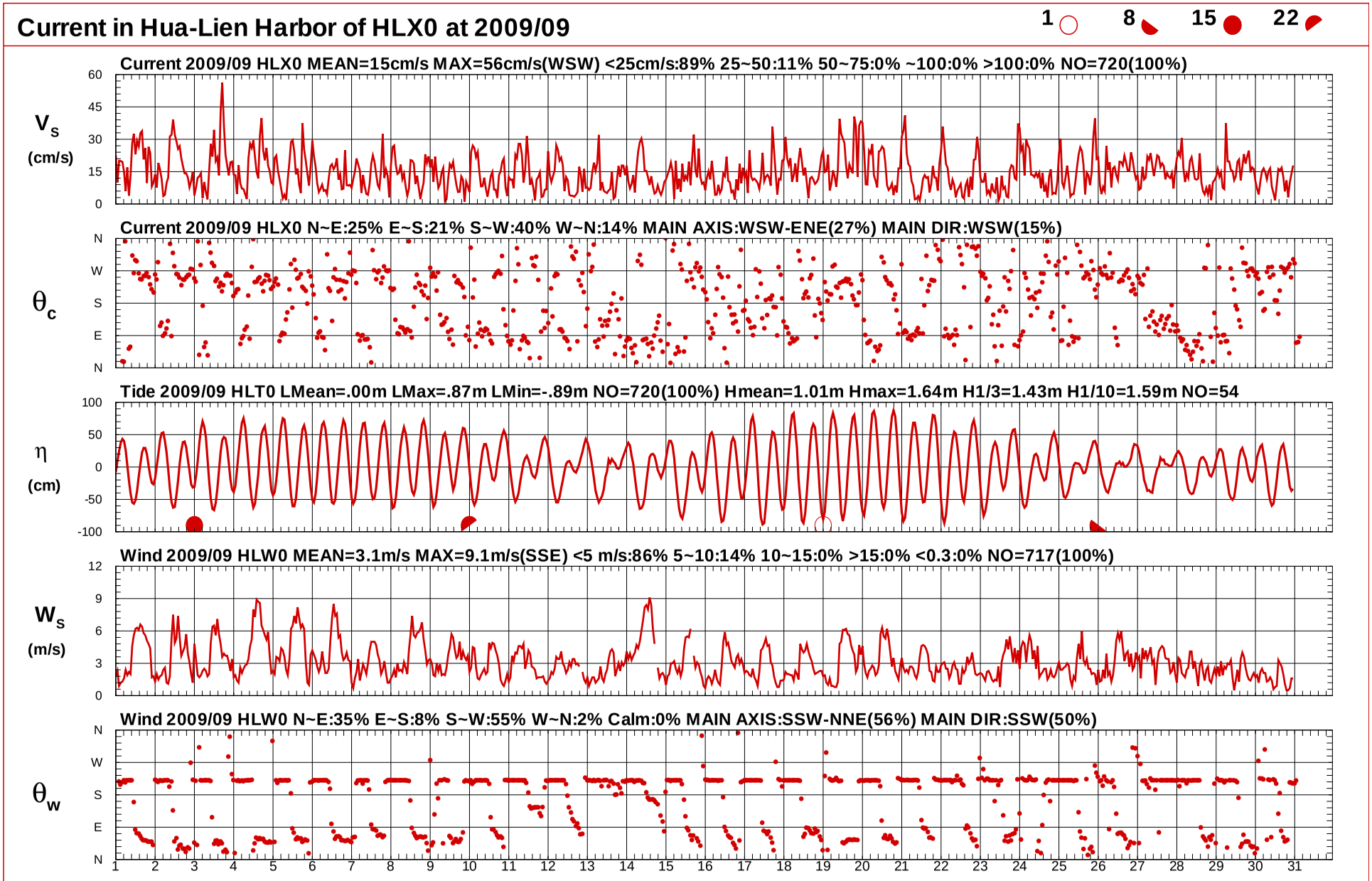


圖 4.6.10 2009年 9 月花蓮港測站 X 海流 (潮位及風) 歷線圖

C099HLX0.1HA T099HLT0.1HA W099HLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

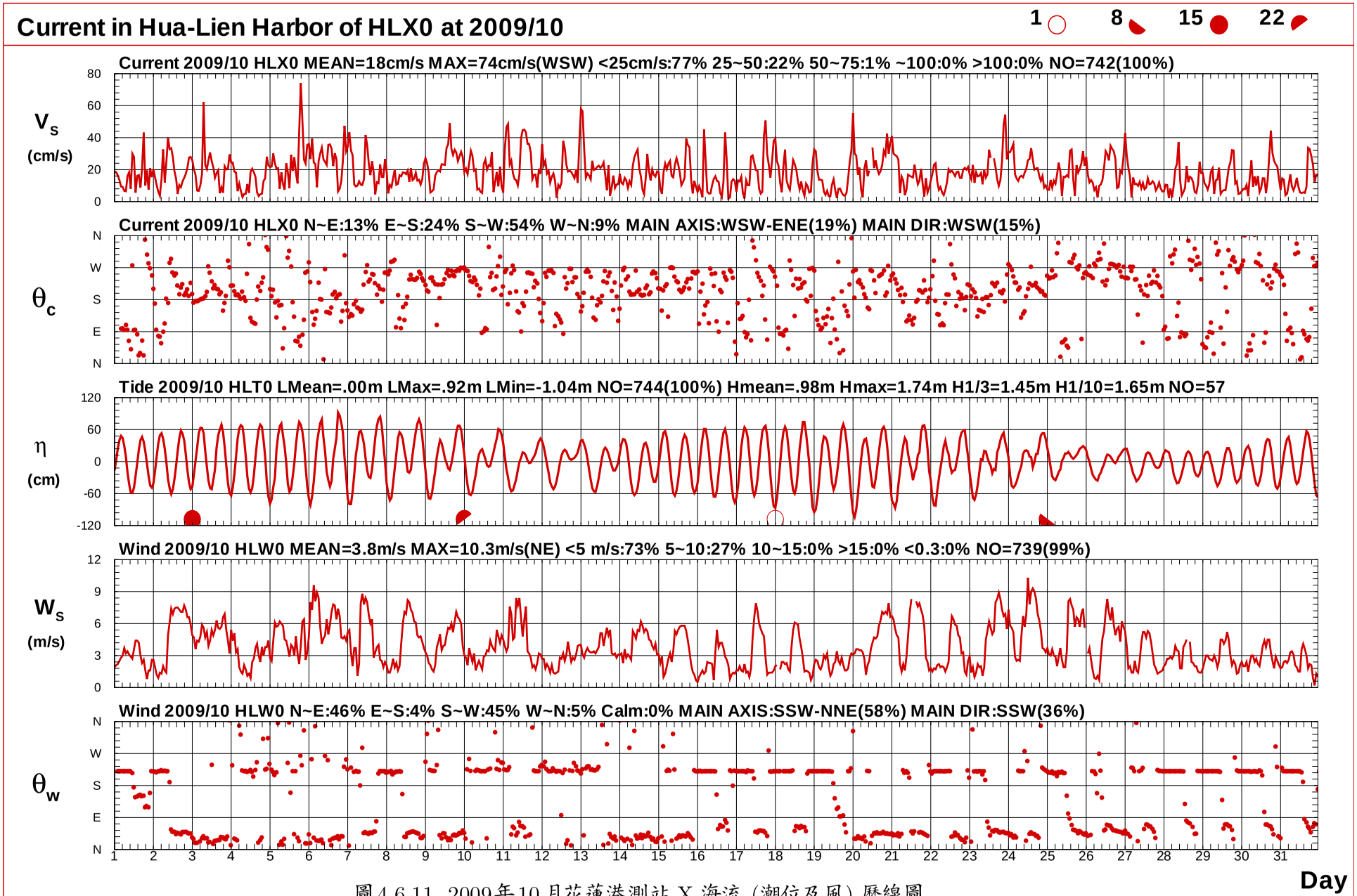


圖 4.6.11　2009年10月花蓮港測站 X 海流 (潮位及風) 歷線圖

C09AHLX0.1HA　T09AHLT0.1HA　W09AHLW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

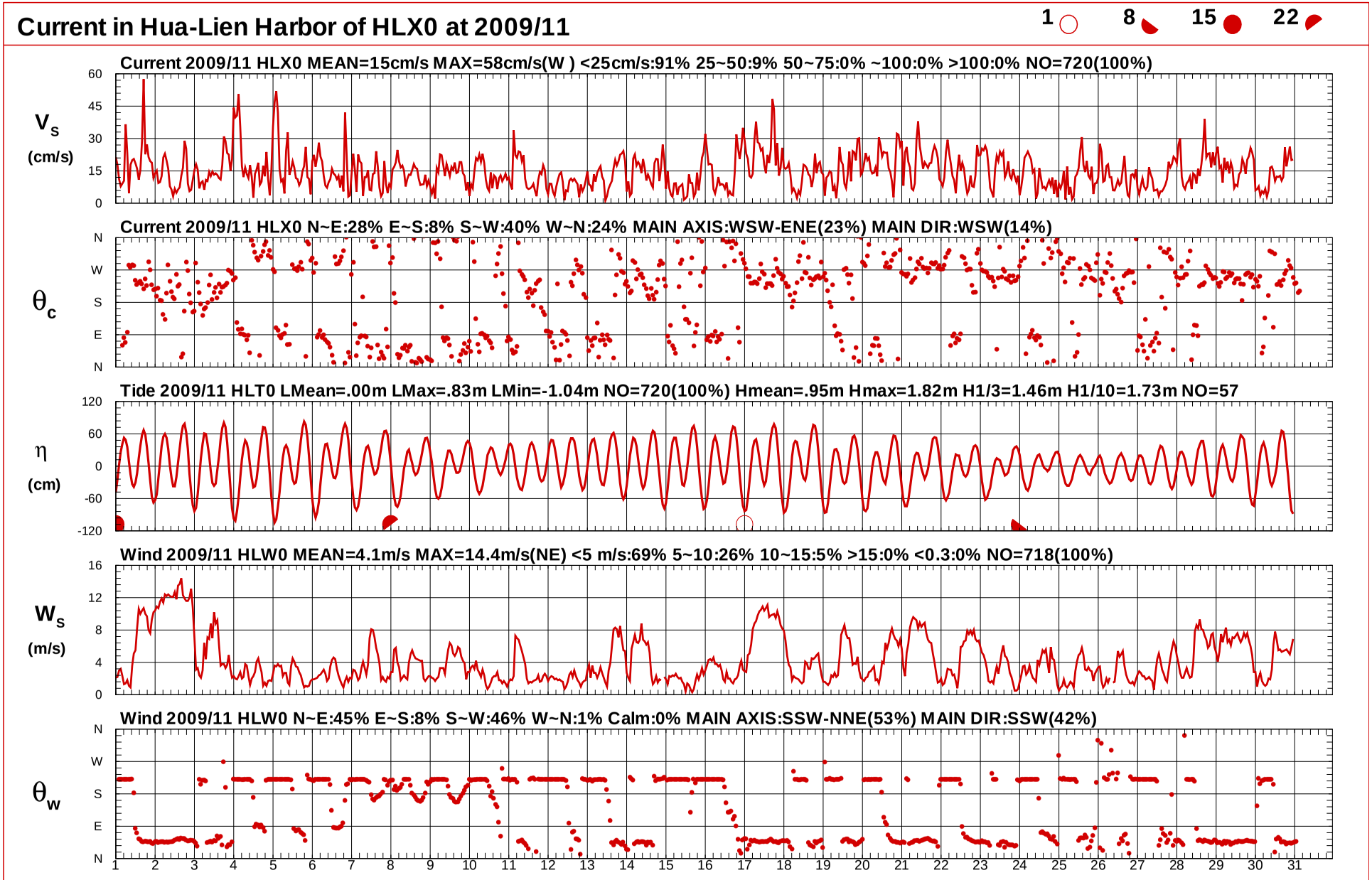


圖 4.6.12 2009年11月花蓮港測站 X 海流 (潮位及風) 歷線圖

Current Speed in Hua-Lien Harbor of HLX0 at 2009

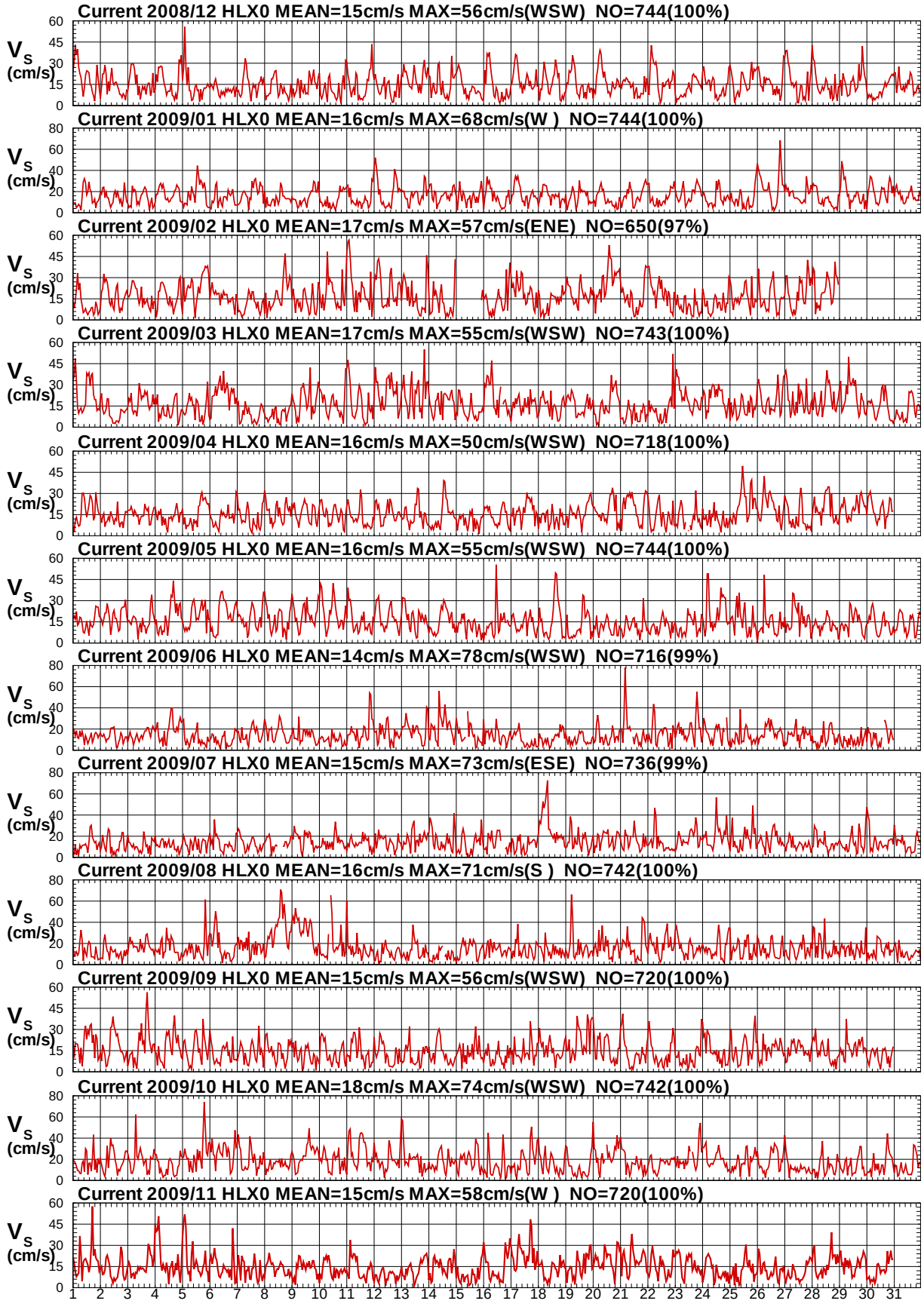


圖 4.6.13　2009年花蓮港測站 X 觀測流速歷線圖

C08CHLX0.1HA C091HLX0.1HA C092HLX0.1HA C093HLX0.1HA C094HLX0.1HA C095HLX0.1HA
C096HLX0.1HA C097HLX0.1HA C098HLX0.1HA C099HLX0.1HA C09AHLX0.1HA C09BHLX0.1HA

Institute of Harbor & Marine Technology

Current Direction in Hua-Lien Harbor of HLX0 at 2009

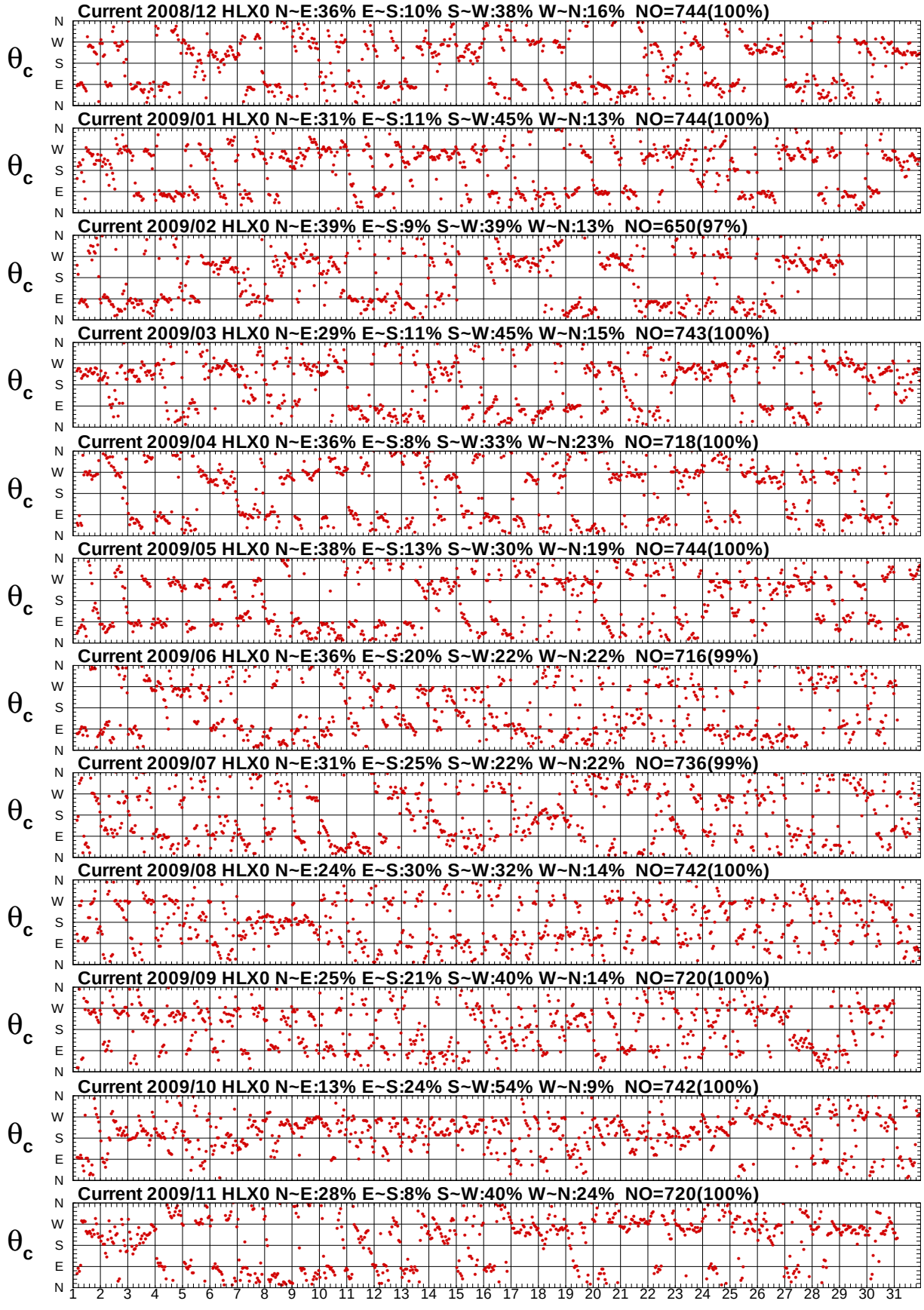


圖 4.6.14　2009年花蓮港測站 X 觀測流向歷線圖

Current Vector in Hua-Lien Harbor of HLX0 at 2009

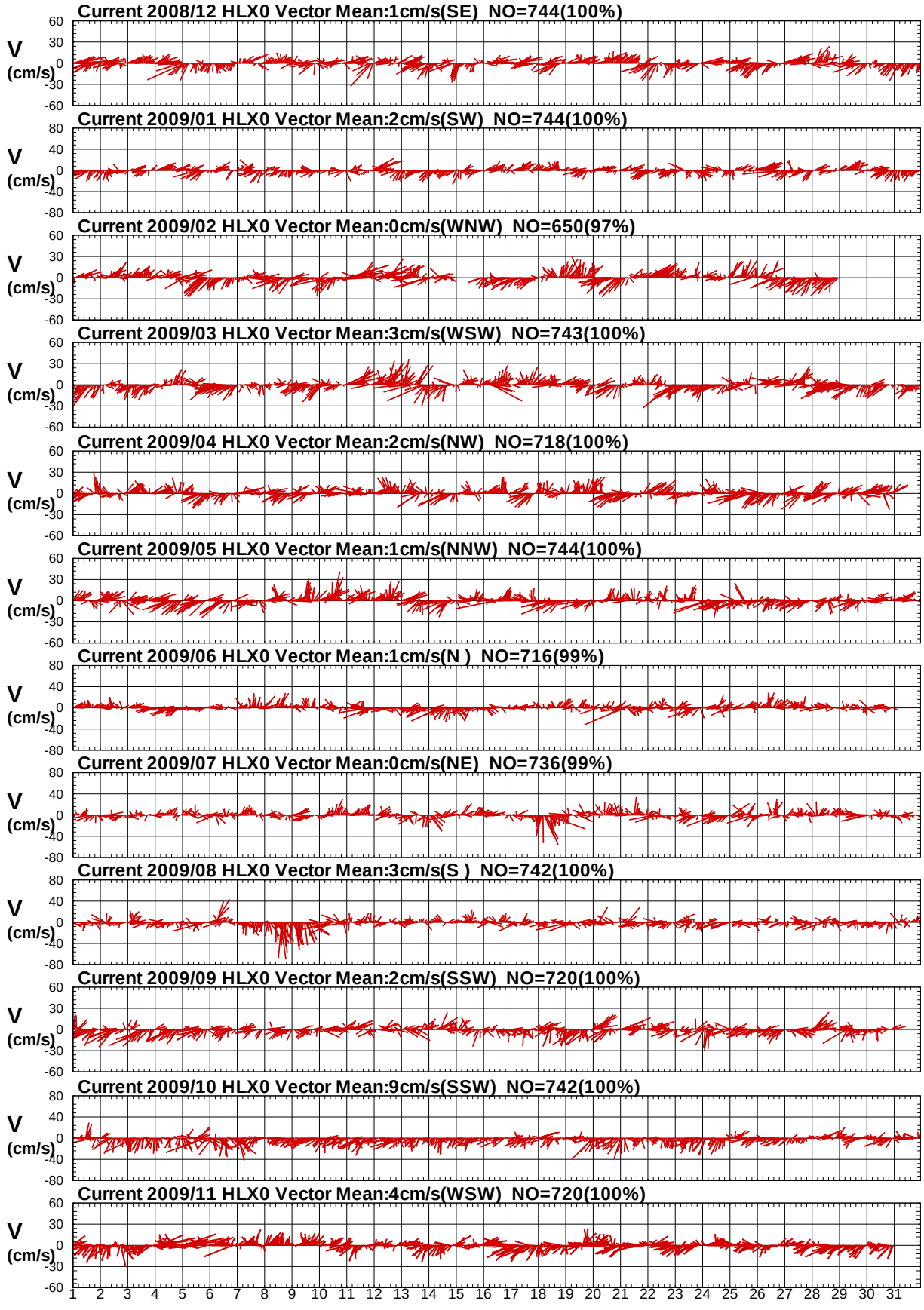


圖 4.6.15　2009年花蓮港測站 X 觀測流矢圖

C08CHLX0.1HA C091HLX0.1HA C092HLX0.1HA C093HLX0.1HA C094HLX0.1HA C095HLX0.1HA
C096HLX0.1HA C097HLX0.1HA C098HLX0.1HA C099HLX0.1HA C09AHLX0.1HA C09BHLX0.1HA

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Current Speed in Hua-Lien Harbor of Cal. at 2009

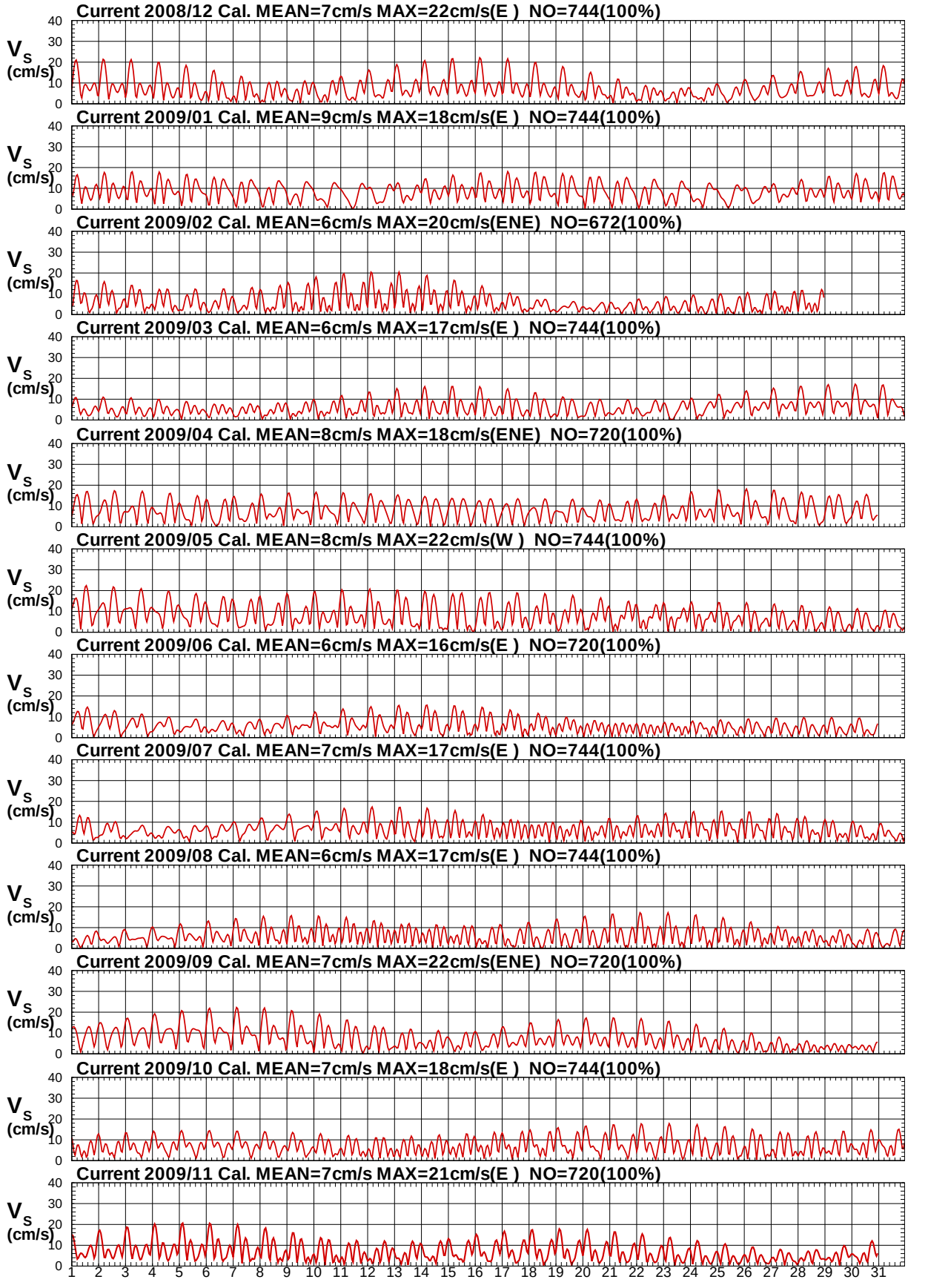


圖 4.6.16　2009年花蓮港測站 X 潮流流速歷線圖

C08CHLX0.1HC C091HLX0.1HC C092HLX0.1HC C093HLX0.1HC C094HLX0.1HC C095HLX0.1HC
C096HLX0.1HC C097HLX0.1HC C098HLX0.1HC C099HLX0.1HC C09AHLX0.1HC C09BHLX0.1HC

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Current Direction in Hua-Lien Harbor of Cal. at 2009

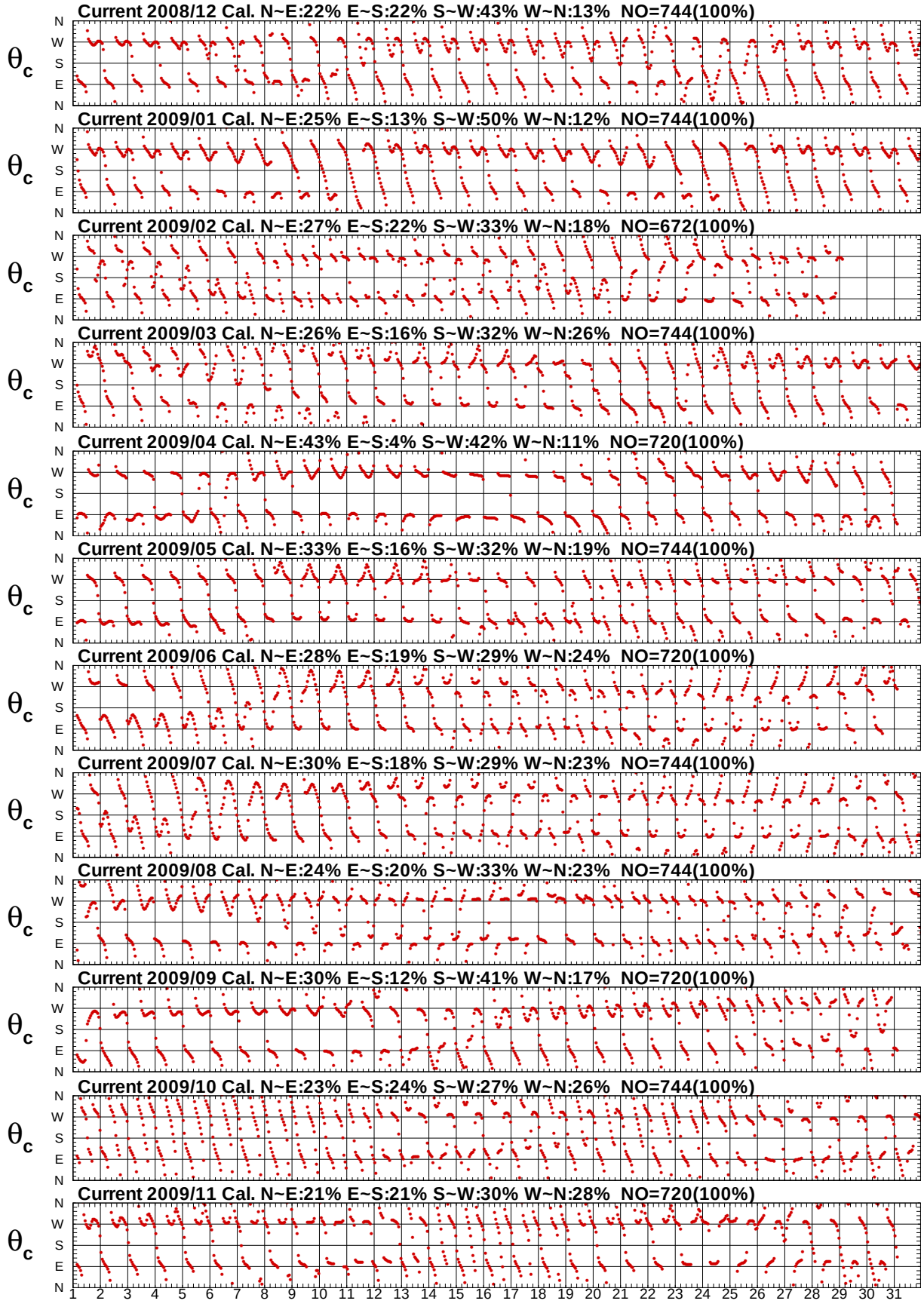


圖 4.6.17　2009年花蓮港測站 X 潮流流向歷線圖

C08CHLX0.1HC C091HLX0.1HC C092HLX0.1HC C093HLX0.1HC C094HLX0.1HC C095HLX0.1HC
C096HLX0.1HC C097HLX0.1HC C098HLX0.1HC C099HLX0.1HC C09AHLX0.1HC C09BHLX0.1HC

Institute of Harbor & Marine Technology

Current Vector in Hua-Lien Harbor of Cal. at 2009

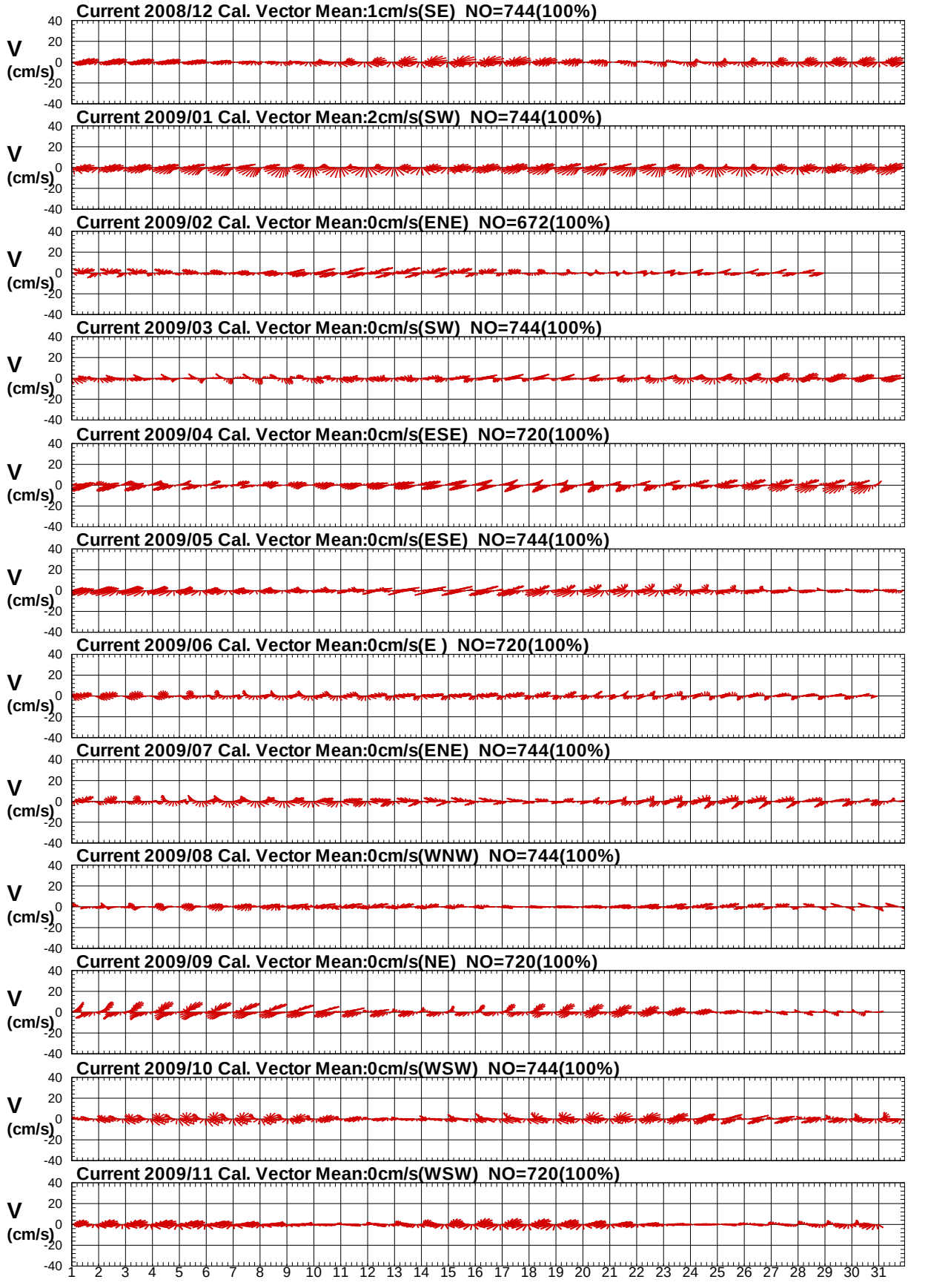


圖 4.6.18　2009年花蓮港測站 X 潮流流矢圖

C08CHLX0.1HC C091HLX0.1HC C092HLX0.1HC C093HLX0.1HC C094HLX0.1HC C095HLX0.1HC
C096HLX0.1HC C097HLX0.1HC C098HLX0.1HC C099HLX0.1HC C09AHLX0.1HC C09BHLX0.1HC

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Current Speed in Hua-Lien Harbor of HLX0 at 2009

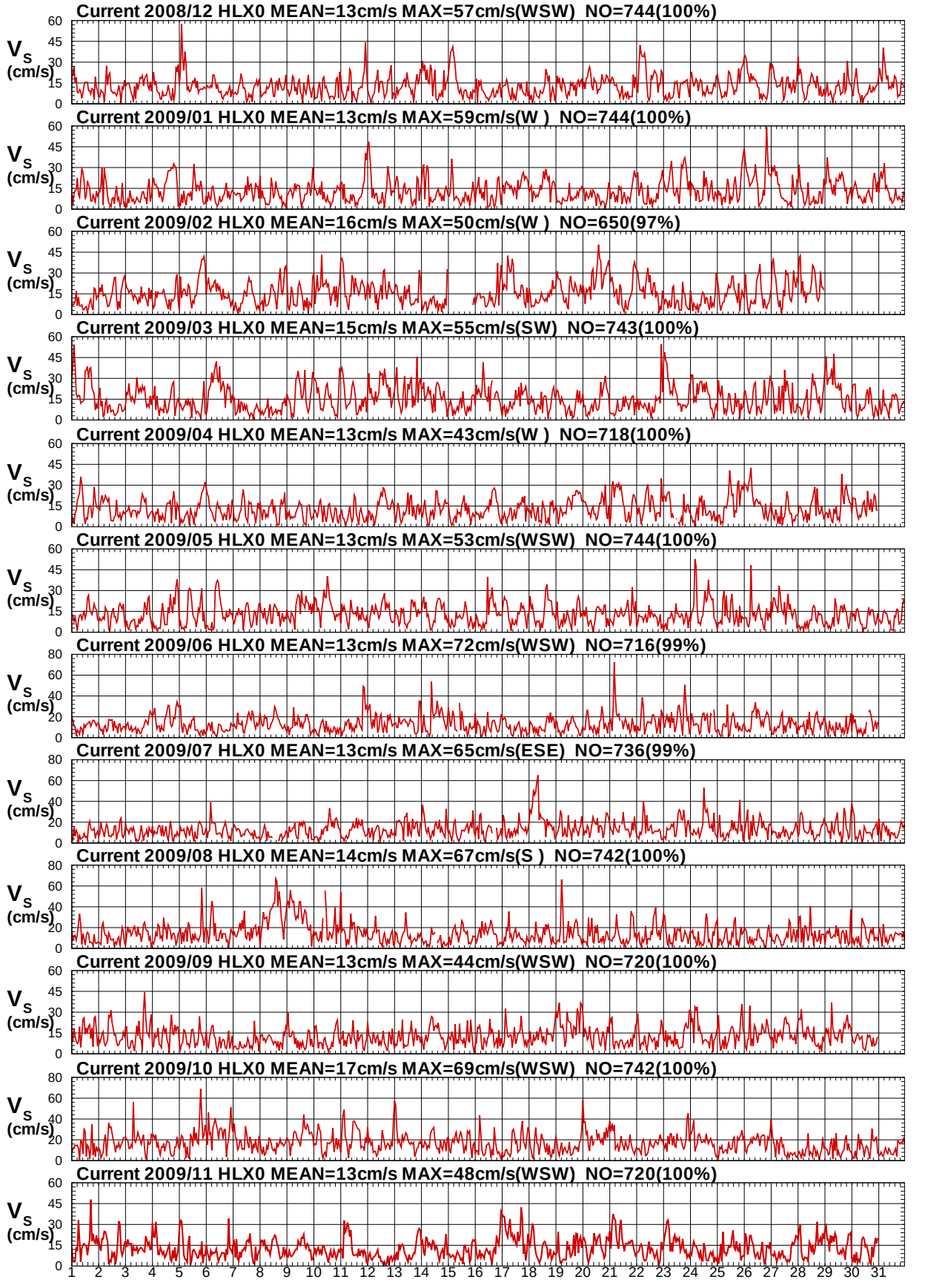


圖 4.6.19　2009年花蓮港測站 X 非潮流速歷線圖

C08CHLX0.1HR C091HLX0.1HR C092HLX0.1HR C093HLX0.1HR C094HLX0.1HR C095HLX0.1HR
C096HLX0.1HR C097HLX0.1HR C098HLX0.1HR C099HLX0.1HR C09AHLX0.1HR C09BHLX0.1HR

Institute of Harbor & Marine Technology

Current Direction in Hua-Lien Harbor of HLX0 at 2009

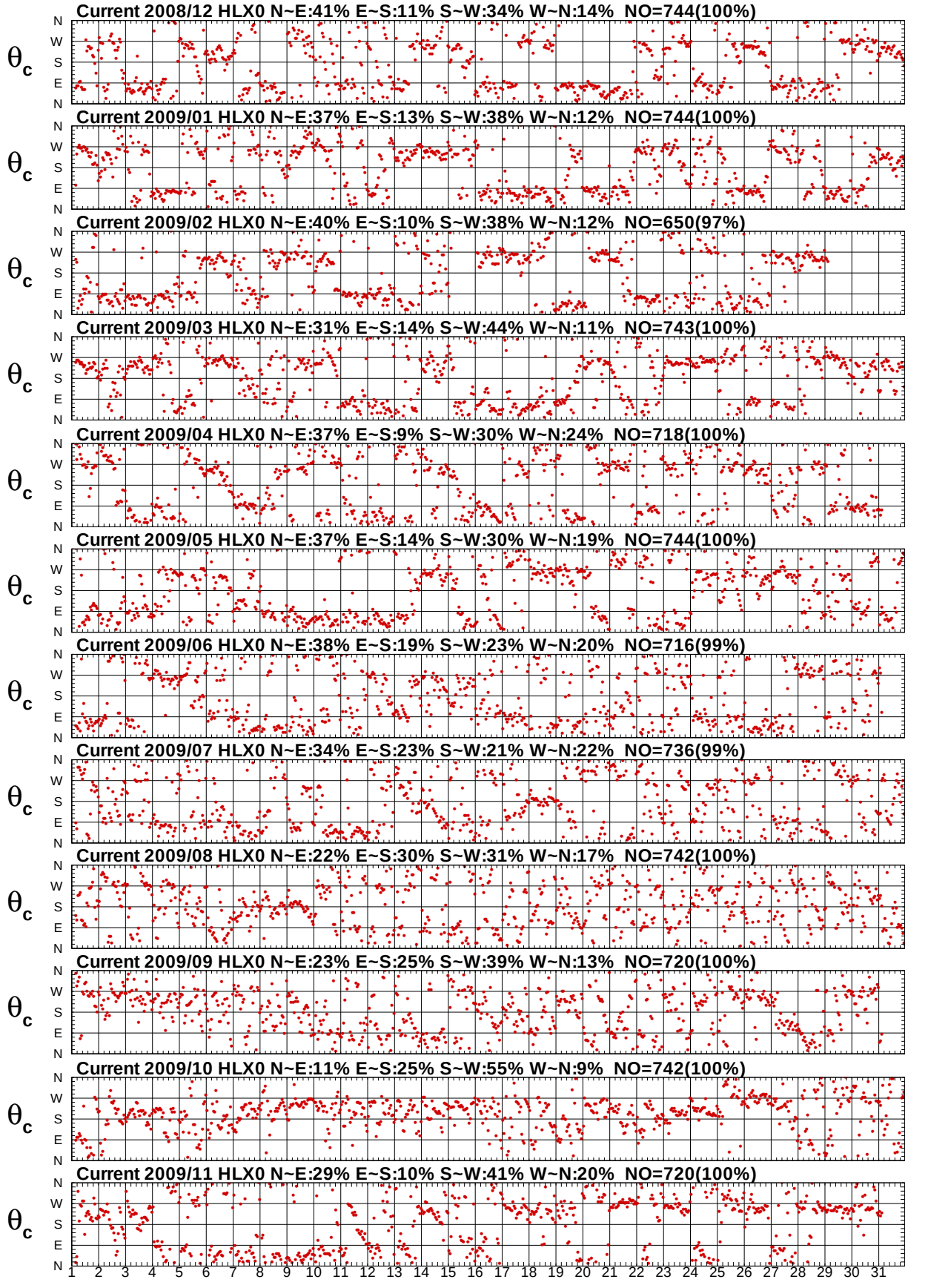


圖 4.6.20　2009年花蓮港測站 X 非潮流向歷線圖

C08CHLX0.1HR C091HLX0.1HR C092HLX0.1HR C093HLX0.1HR C094HLX0.1HR C095HLX0.1HR
C096HLX0.1HR C097HLX0.1HR C098HLX0.1HR C099HLX0.1HR C09AHLX0.1HR C09BHLX0.1HR

Institute of Harbor & Marine Technology

Current Vector in Hua-Lien Harbor of HLX0 at 2009

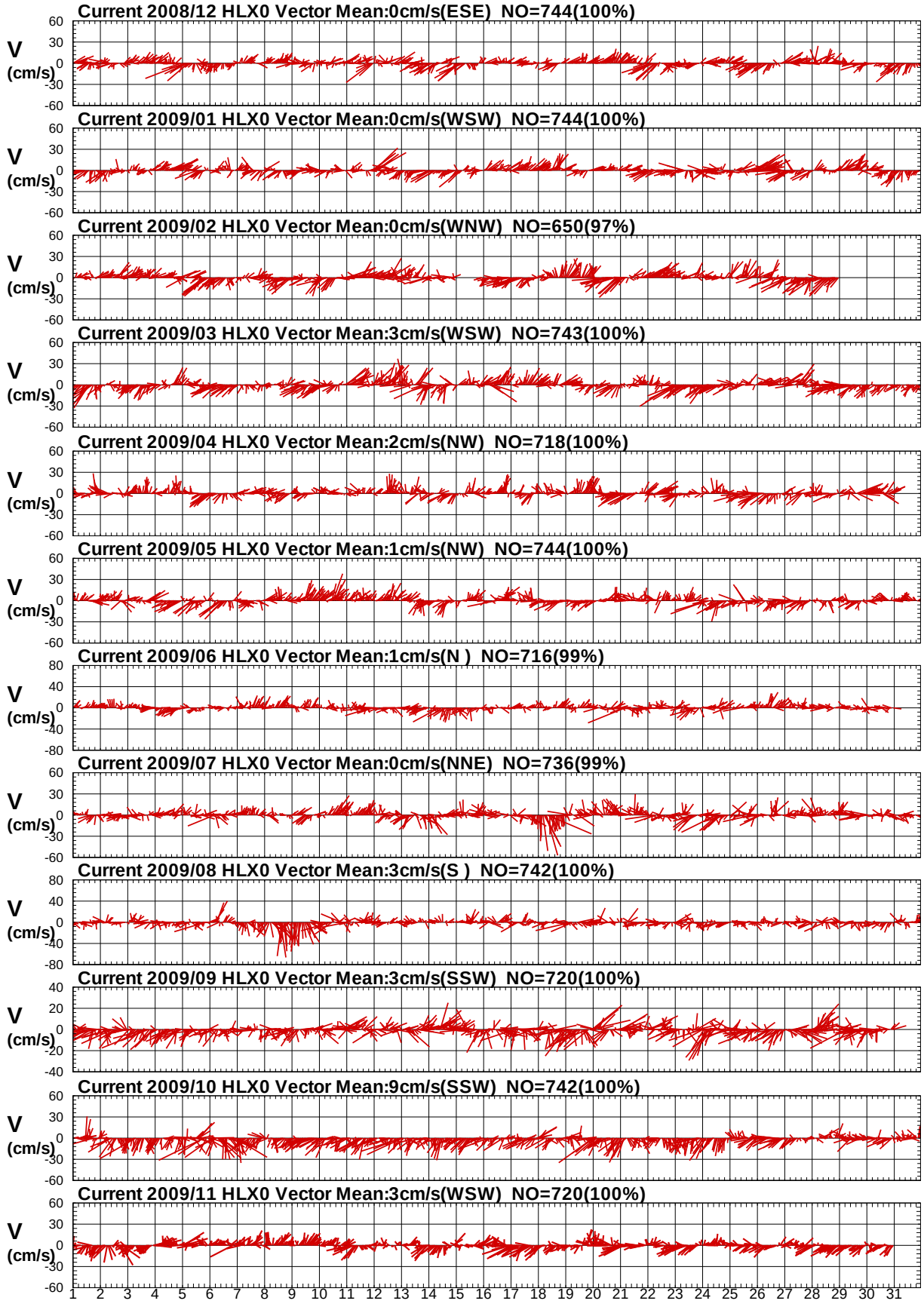


圖 4.6.21　2009年花蓮港測站 X 非潮流矢圖

C08CHLX0.1HR C091HLX0.1HR C092HLX0.1HR C093HLX0.1HR C094HLX0.1HR C095HLX0.1HR
C096HLX0.1HR C097HLX0.1HR C098HLX0.1HR C099HLX0.1HR C09AHLX0.1HR C09BHLX0.1HR

Institute of Harbor & Marine Technology

Current Speed in Hua-Lien Harbor of HLX0 at 2009

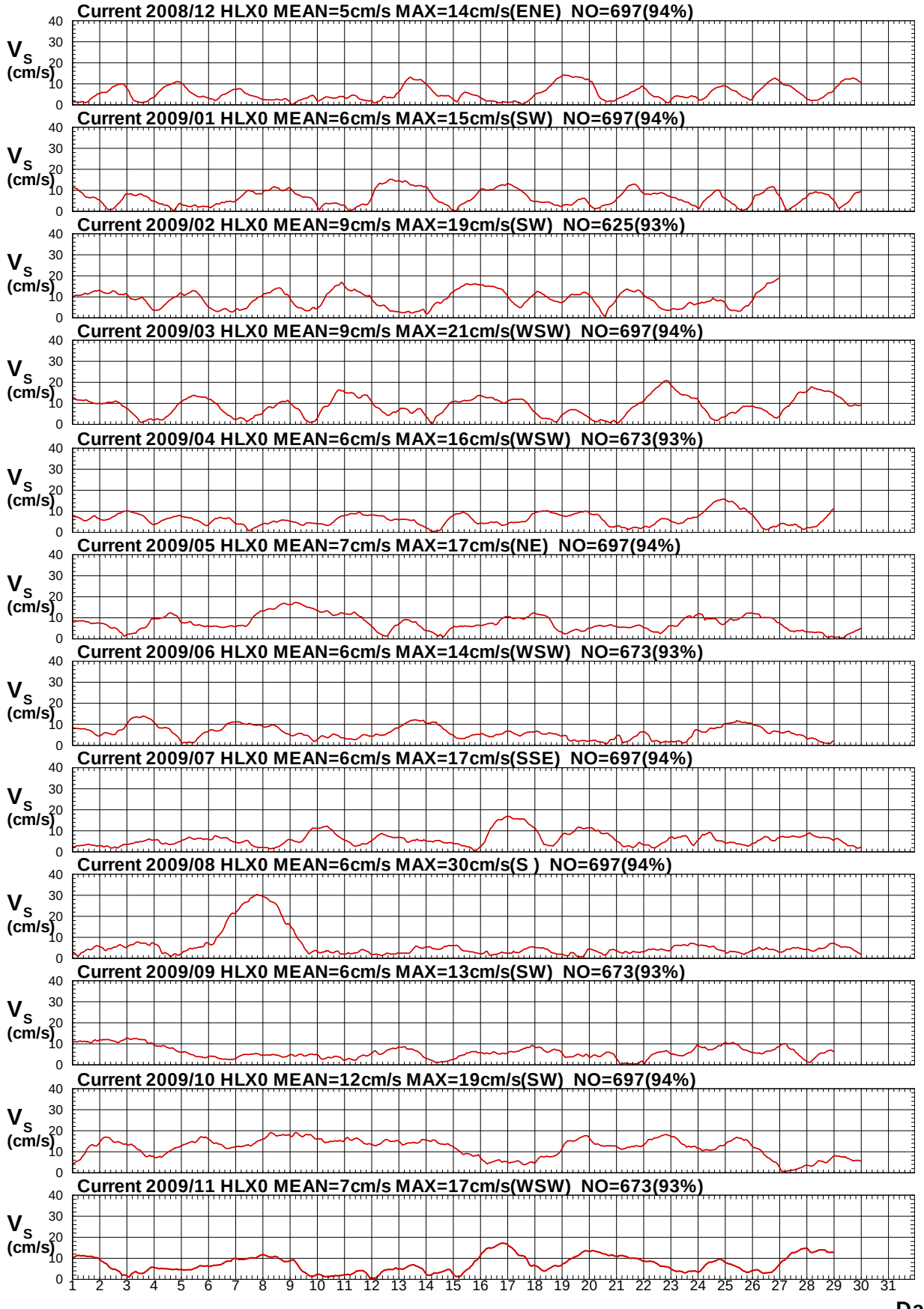


圖 4.6.22　2009年花蓮港 X 站48時平均流速歷線圖

C08CHLX0.48H C091HLX0.48H C092HLX0.48H C093HLX0.48H C094HLX0.48H C095HLX0.48H
C096HLX0.48H C097HLX0.48H C098HLX0.48H C099HLX0.48H C09AHLX0.48H C09BHLX0.48H

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Current Direction in Hua-Lien Harbor of HLX0 at 2009

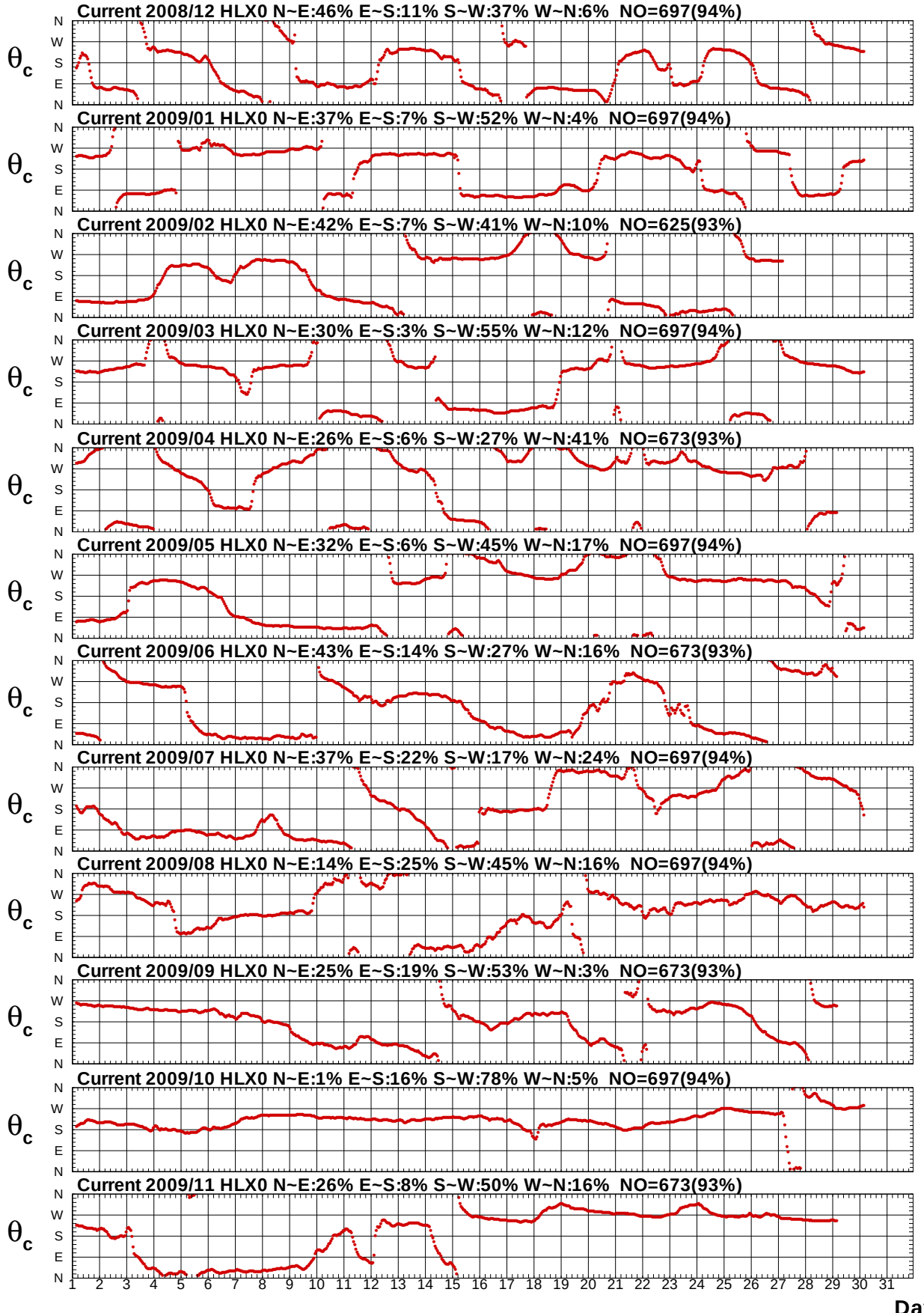


圖 4.6.23　2009年花蓮港 X 站48時平均流向歷線圖

C08CHLX0.48H C091HLX0.48H C092HLX0.48H C093HLX0.48H C094HLX0.48H C095HLX0.48H
C096HLX0.48H C097HLX0.48H C098HLX0.48H C099HLX0.48H C09AHLX0.48H C09BHLX0.48H

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Current Vector in Hua-Lien Harbor of HLX0 at 2009

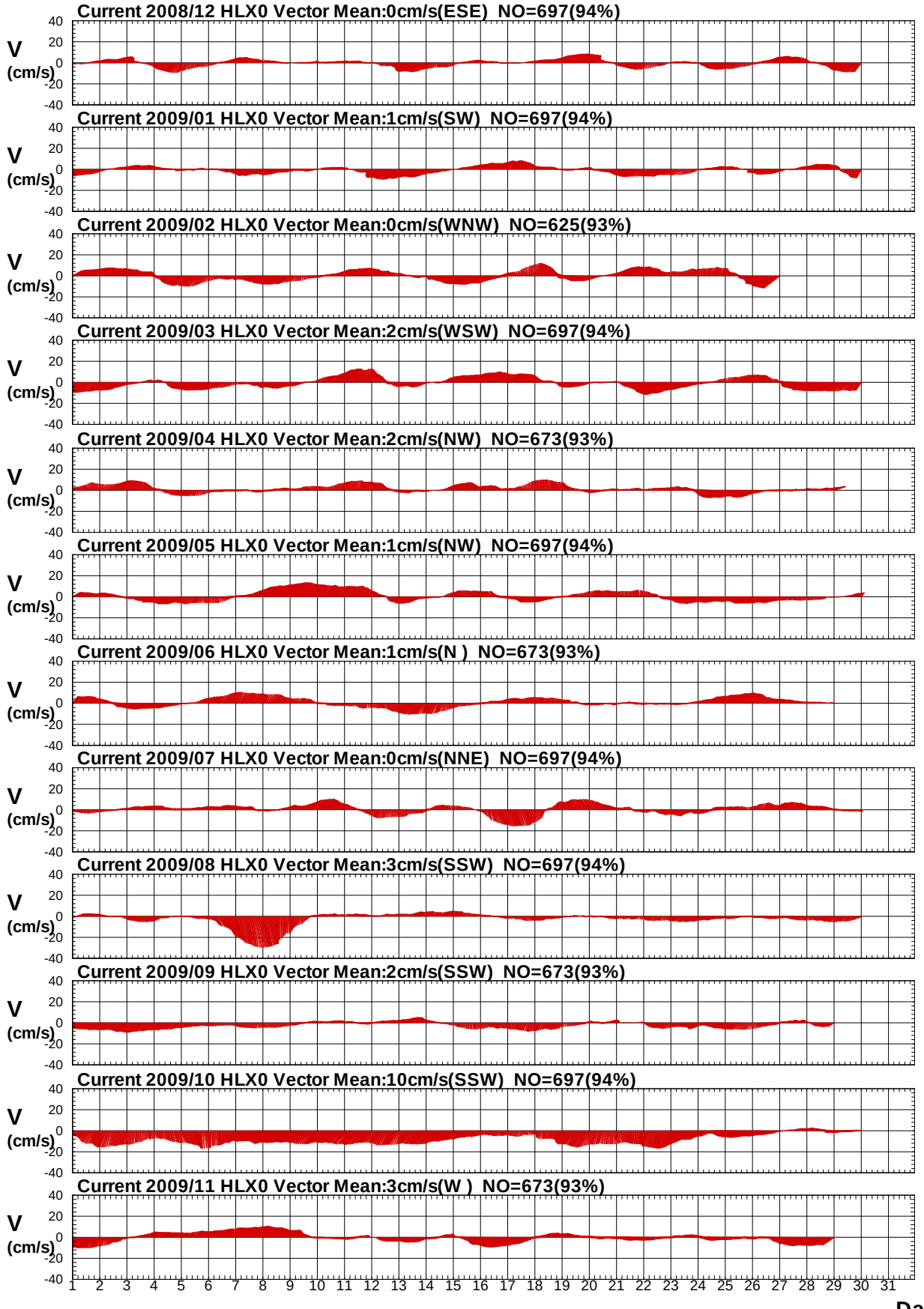


圖 4.6.24　2009年花蓮港 X 站48時平均流矢圖

C08CHLX0.48H C091HLX0.48H C092HLX0.48H C093HLX0.48H C094HLX0.48H C095HLX0.48H
C096HLX0.48H C097HLX0.48H C098HLX0.48H C099HLX0.48H C09AHLX0.48H C09BHLX0.48H

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4.7　2009年蘇澳港逐時海流月歷線圖
(逐時觀測海流歷線圖)
(逐時純潮流歷線圖)
(逐時非潮流歷線圖)
(48時向量平均海流歷線圖)

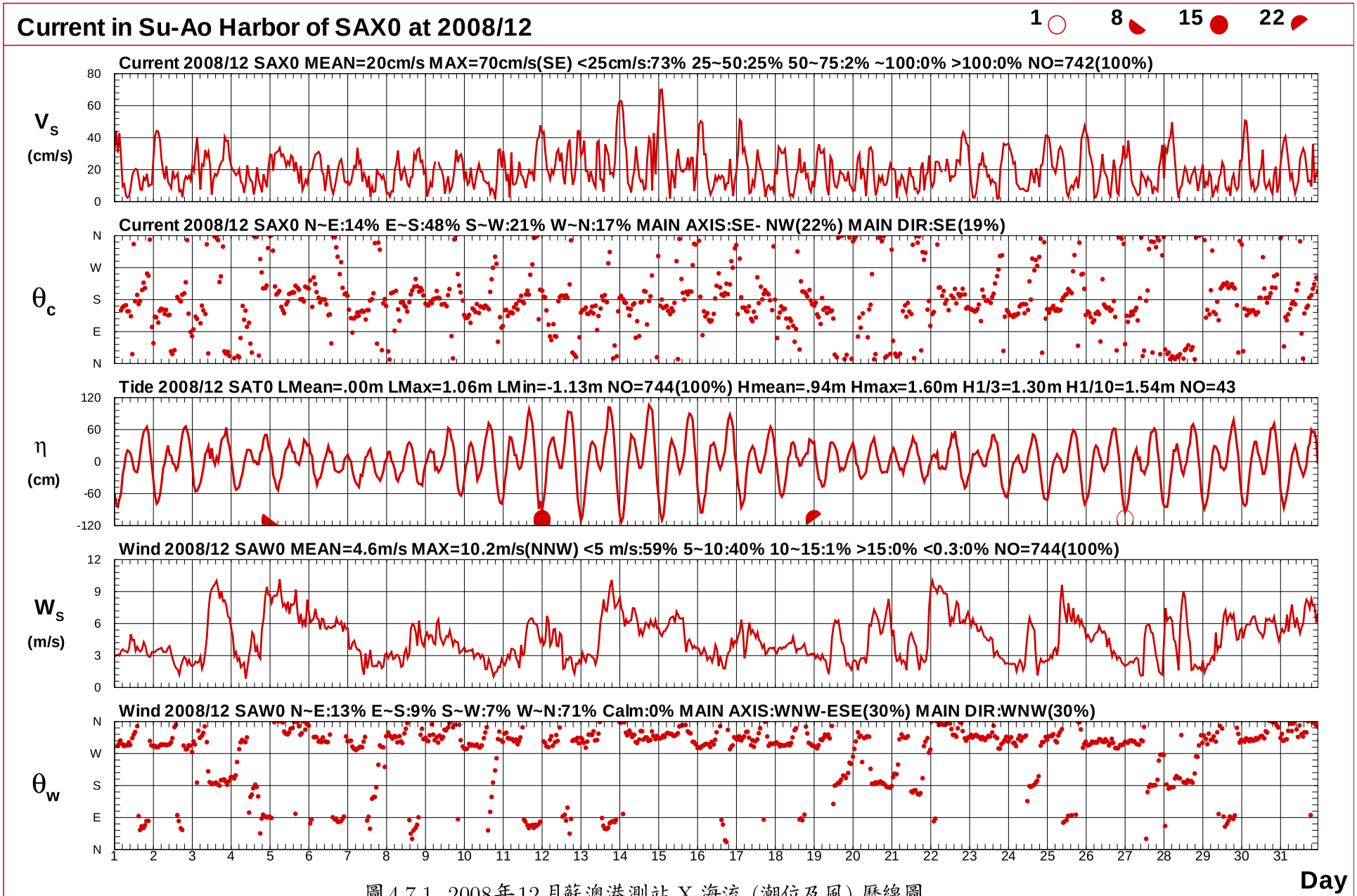


圖 4.7.1 2008年12月蘇澳港測站 X 海流 (潮位及風) 歷線圖

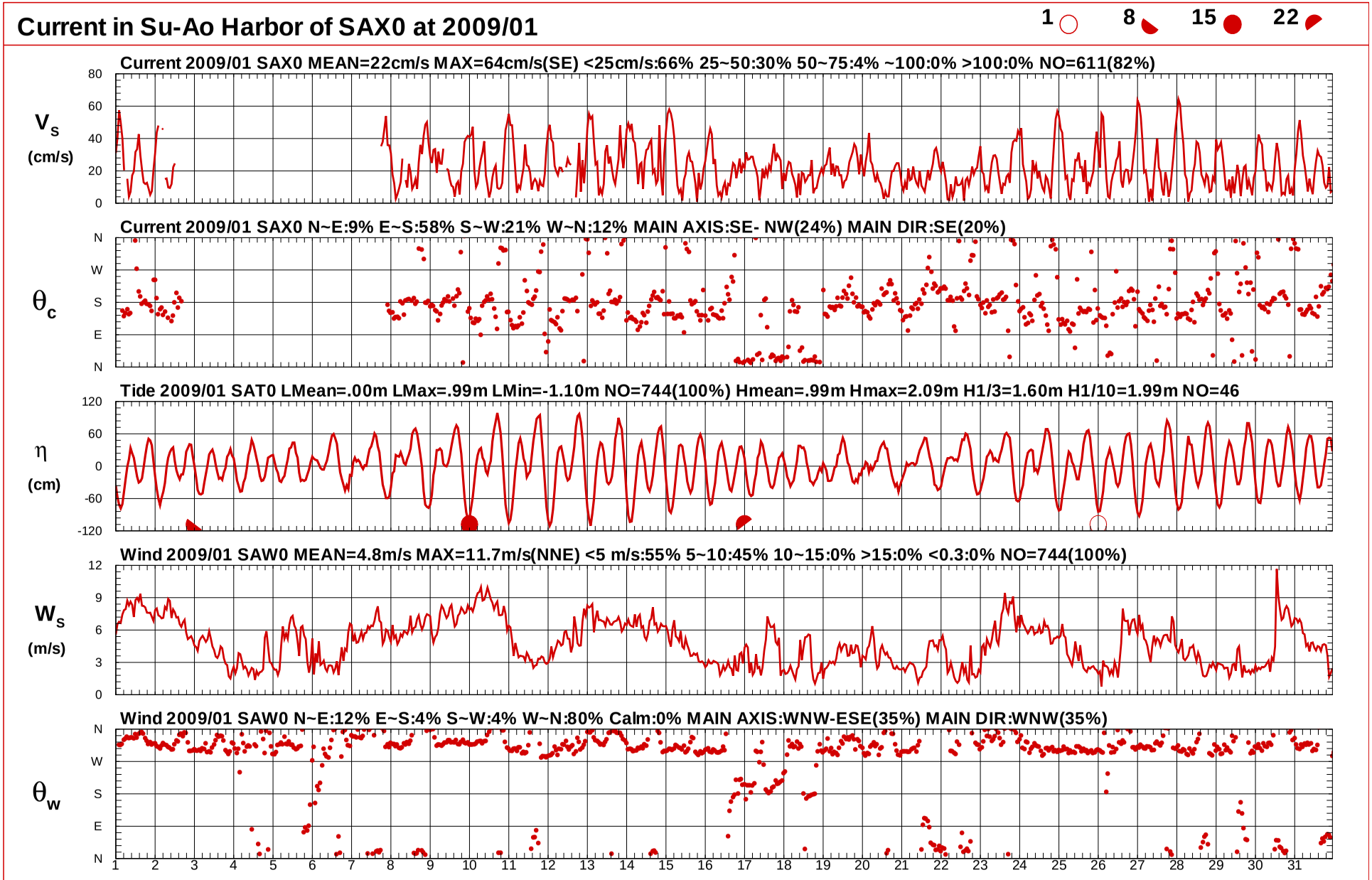


圖 4.7.2 2009年 1 月蘇澳港測站 X 海流 (潮位及風) 歷線圖

C091SAX0.1HA T091SAT0.1HA W091SAW0.1HA

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CURC1X.BAT(CURC1XH.DAT)

2010/11/08

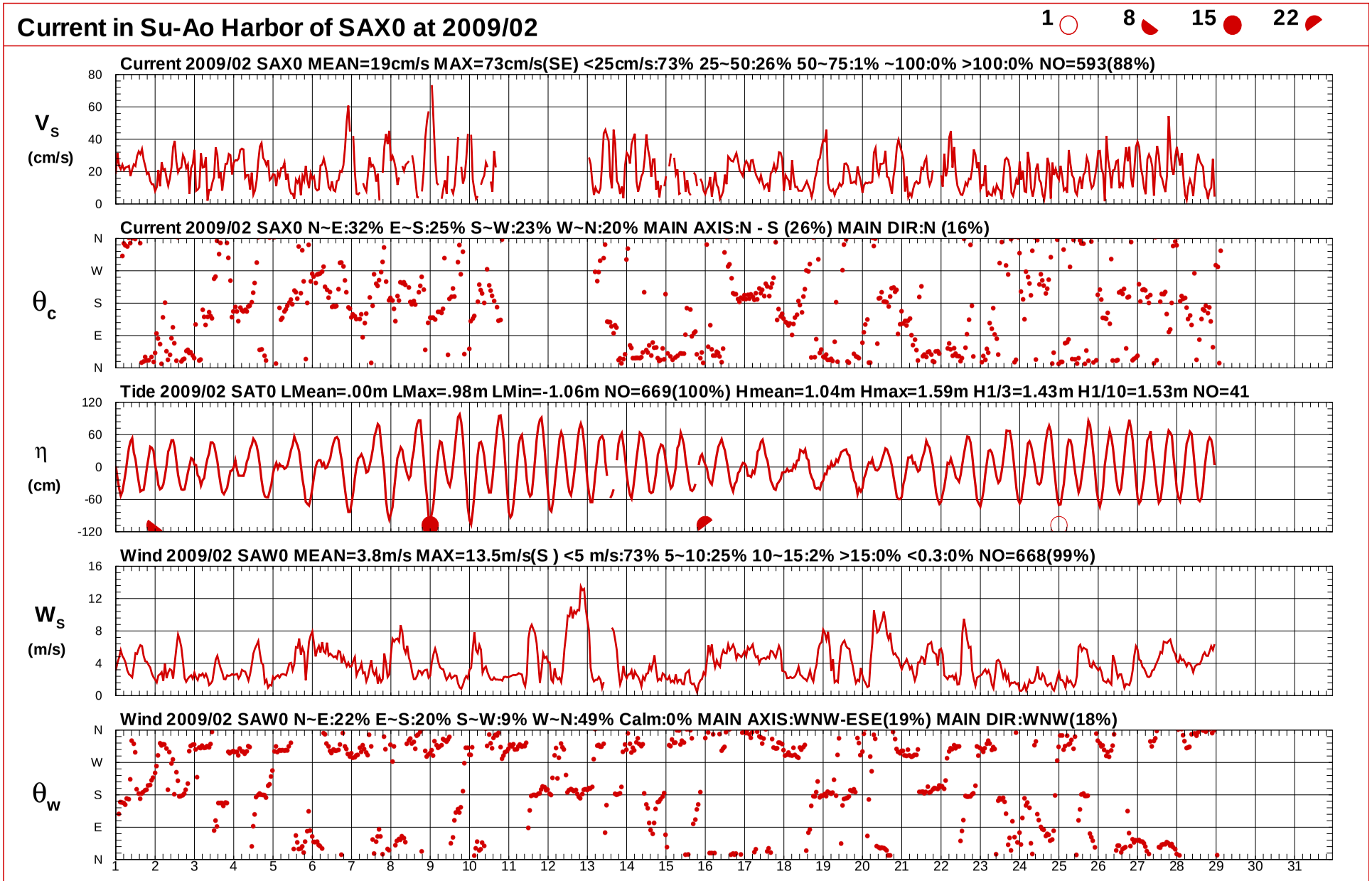


圖 4.7.3 2009年 2 月蘇澳港測站 X 海流 (潮位及風) 歷線圖

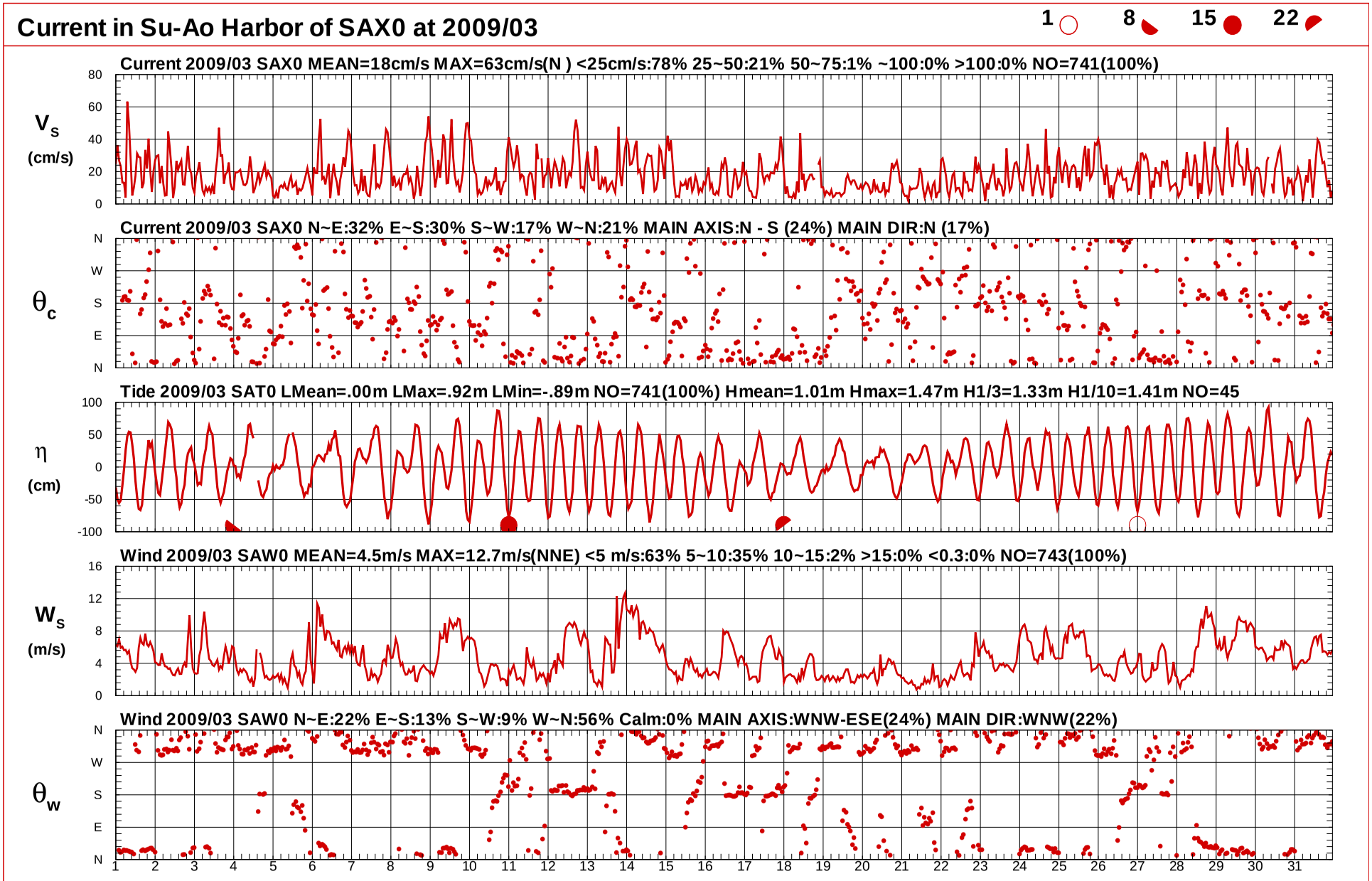


圖 4.7.4 2009年 3 月蘇澳港測站 X 海流 (潮位及風) 歷線圖

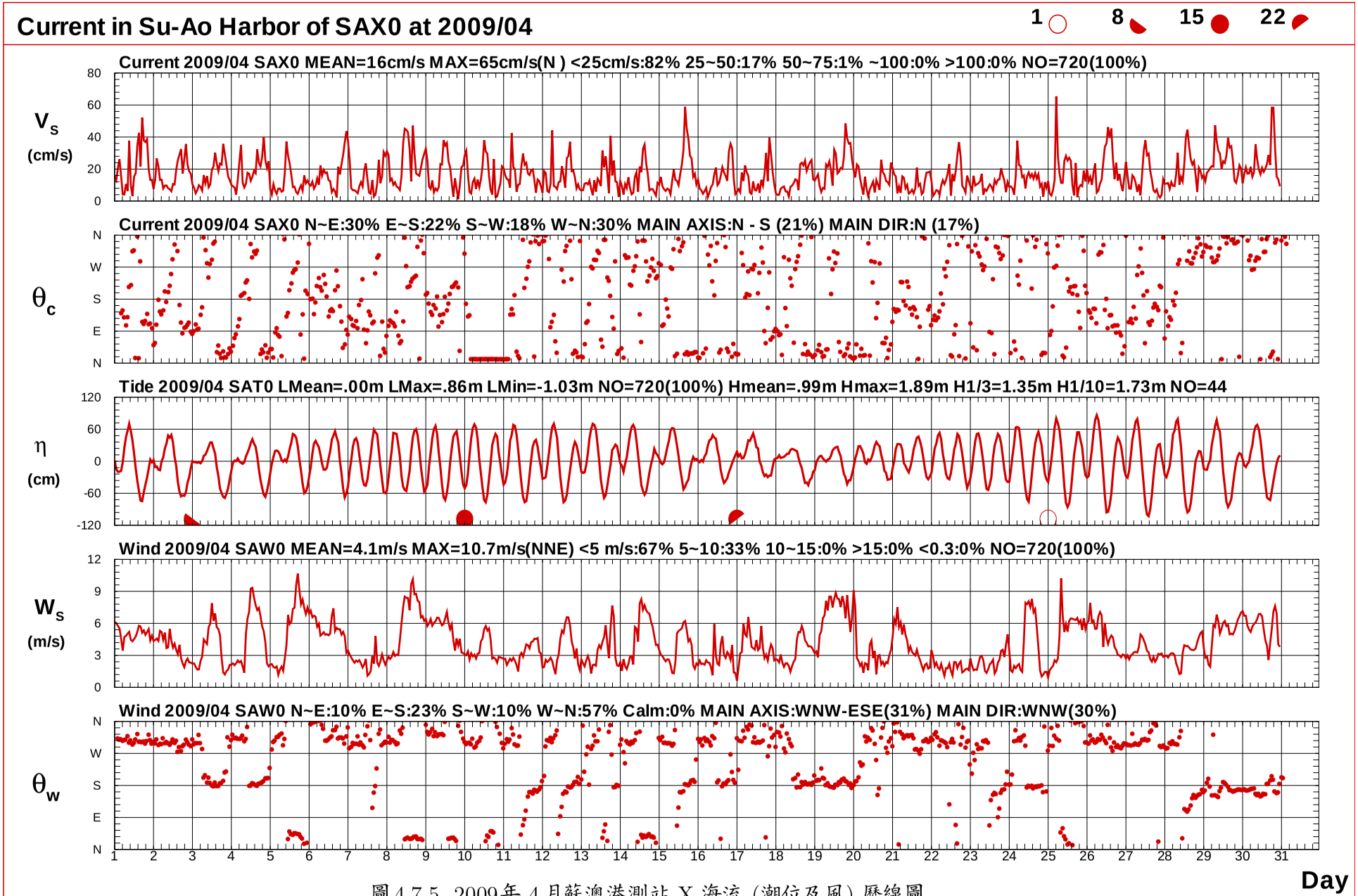


圖 4.7.5 2009年 4 月蘇澳港測站 X 海流 (潮位及風) 歷線圖

C094SAX0.1HA T094SAT0.1HA W094SAW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

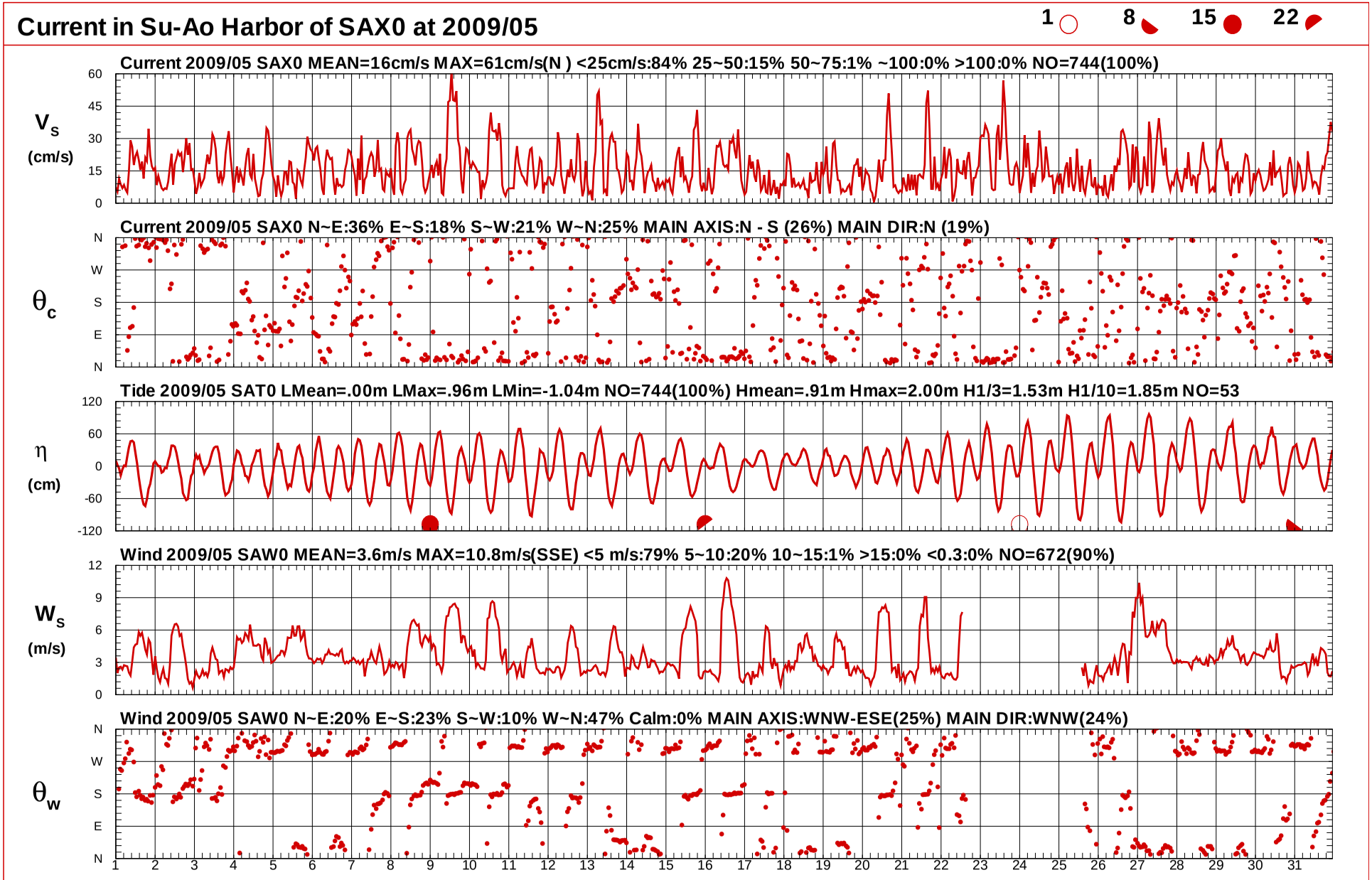


圖 4.7.6 2009年 5 月蘇澳港測站 X 海流 (潮位及風) 歷線圖

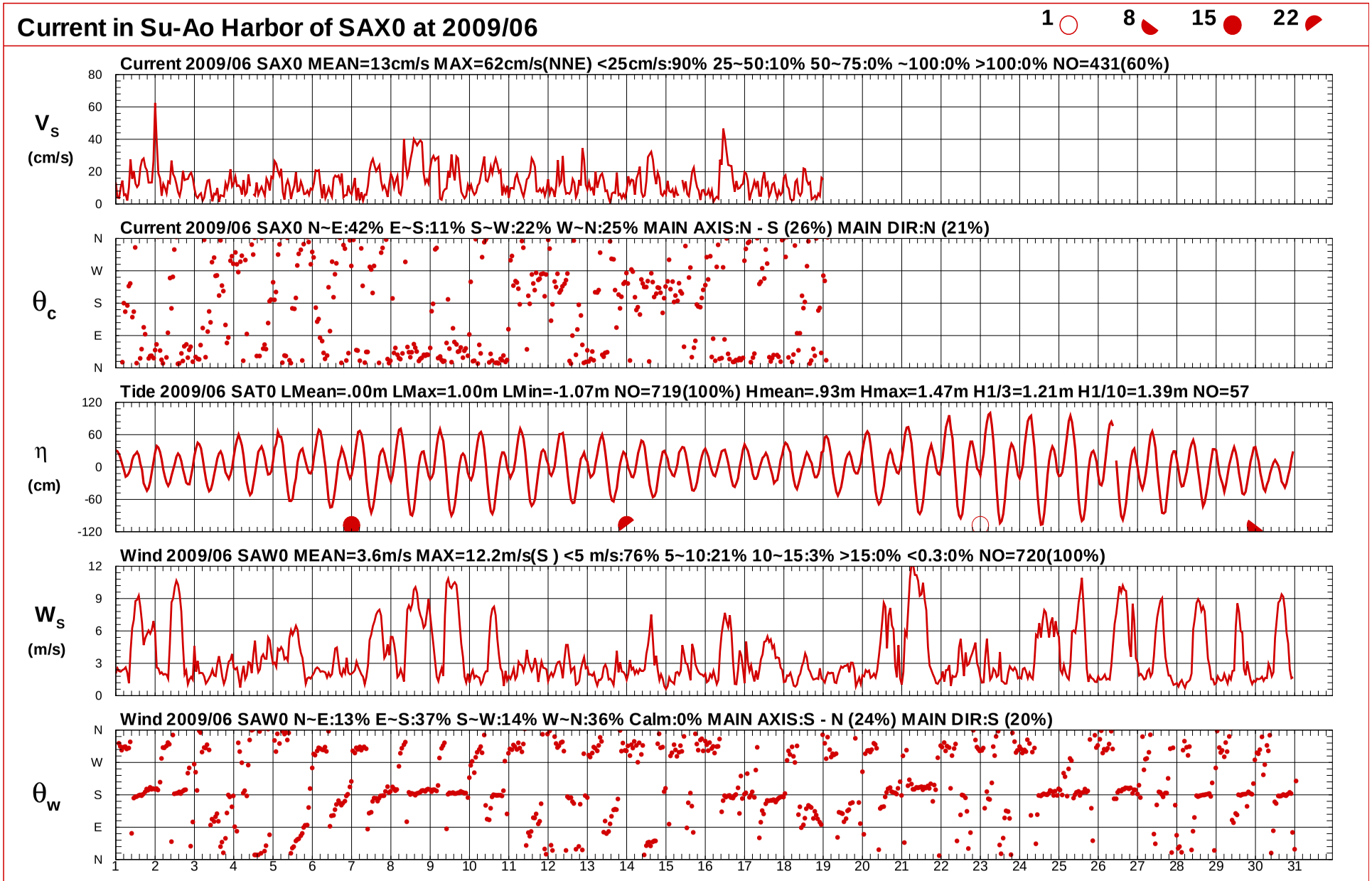


圖 4.7.7 2009年 6 月蘇澳港測站 X 海流 (潮位及風) 歷線圖

C096SAX0.1HA T096SAT0.1HA W096SAW0.1HA

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CURC1X.BAT(CURC1XH.DAT)

2010/11/08

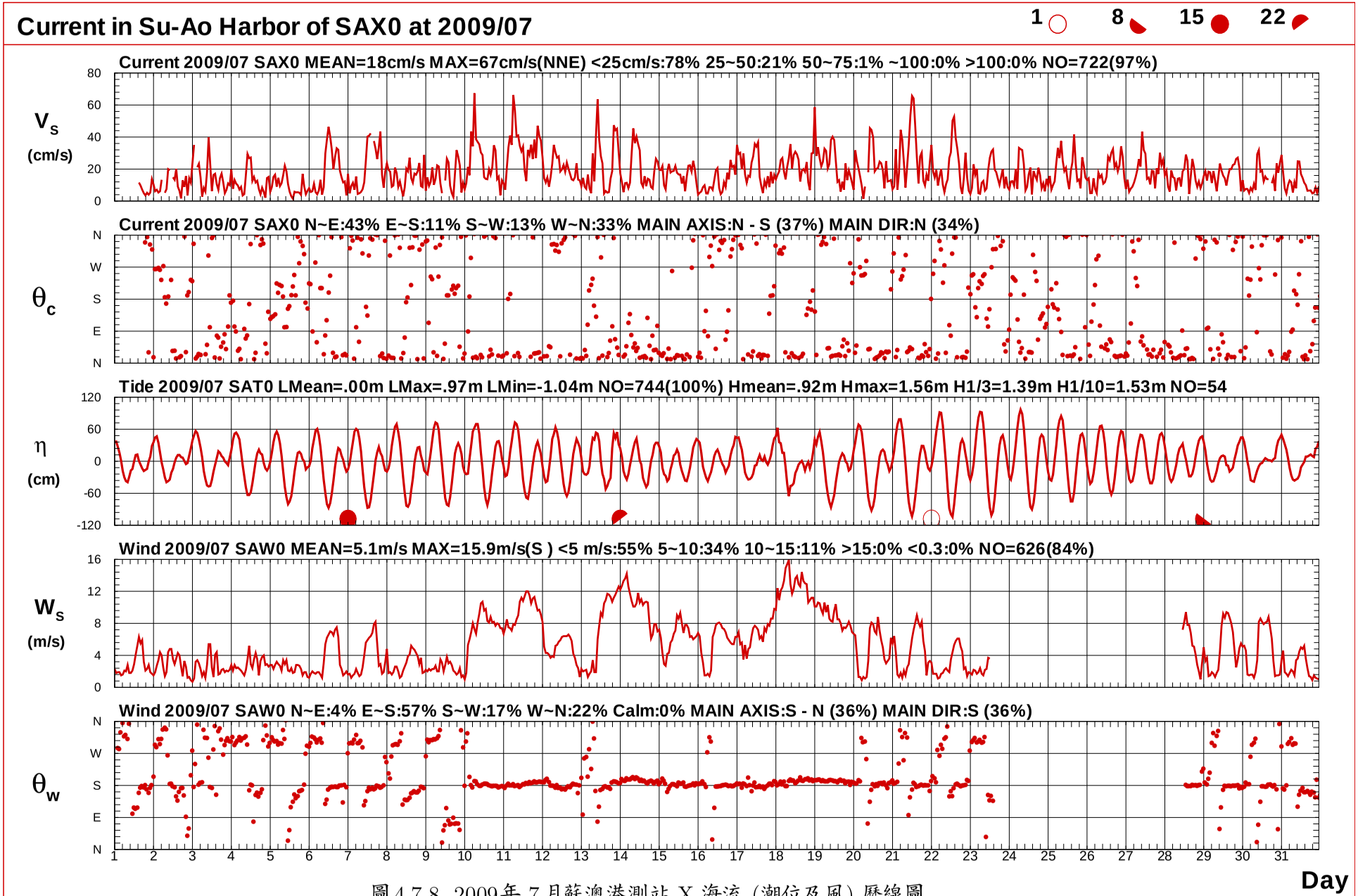


圖 4.7.8 2009年 7月蘇澳港測站 X 海流 (潮位及風) 歷線圖

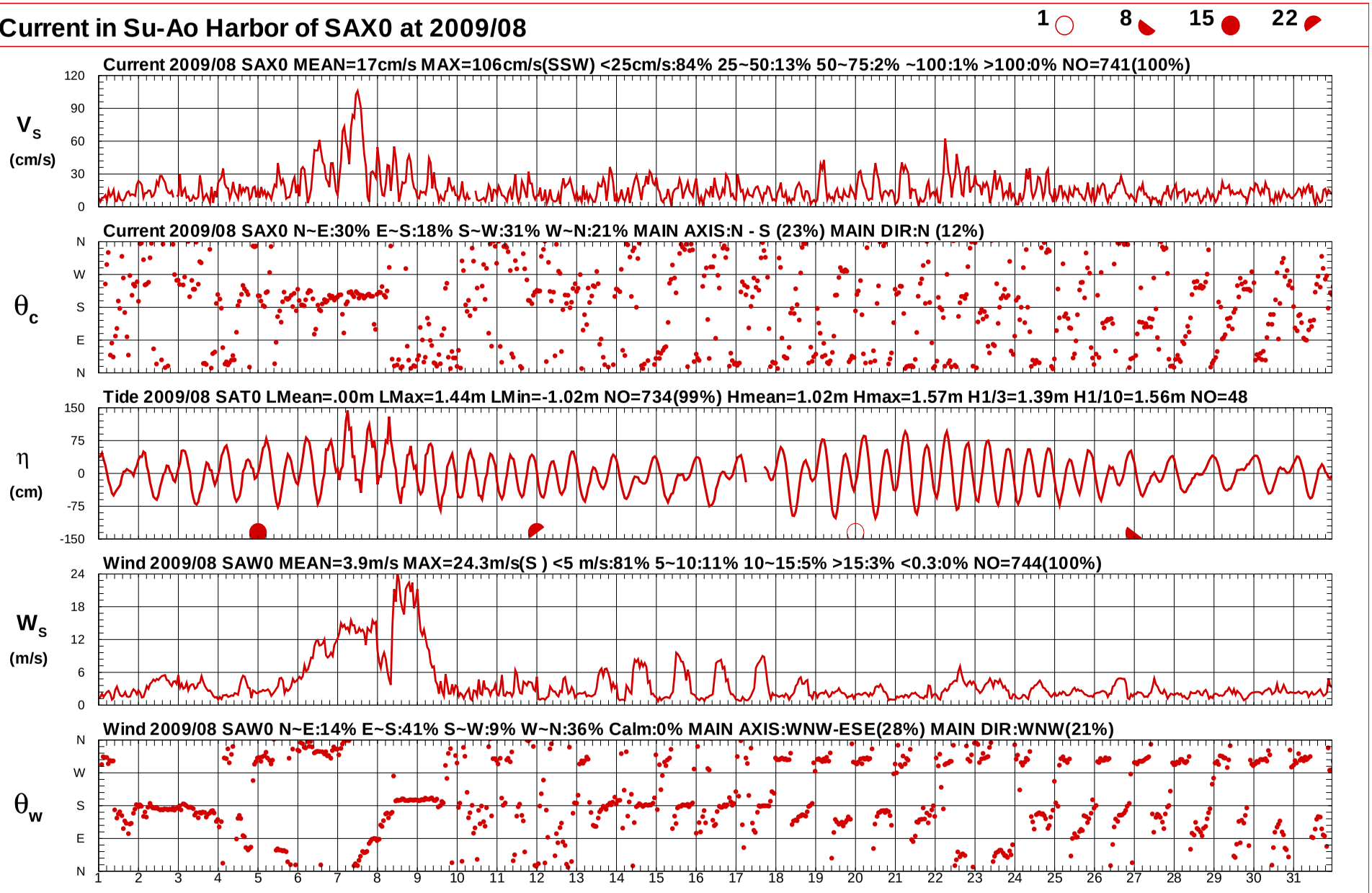


圖 4.7.9 2009年 8 月蘇澳港測站 X 海流 (潮位及風) 歷線圖

C098SAX0.1HA T098SAT0.1HA W098SAW0.1HA

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CURC1X.BAT(CURC1XH.DAT)

2010/11/08

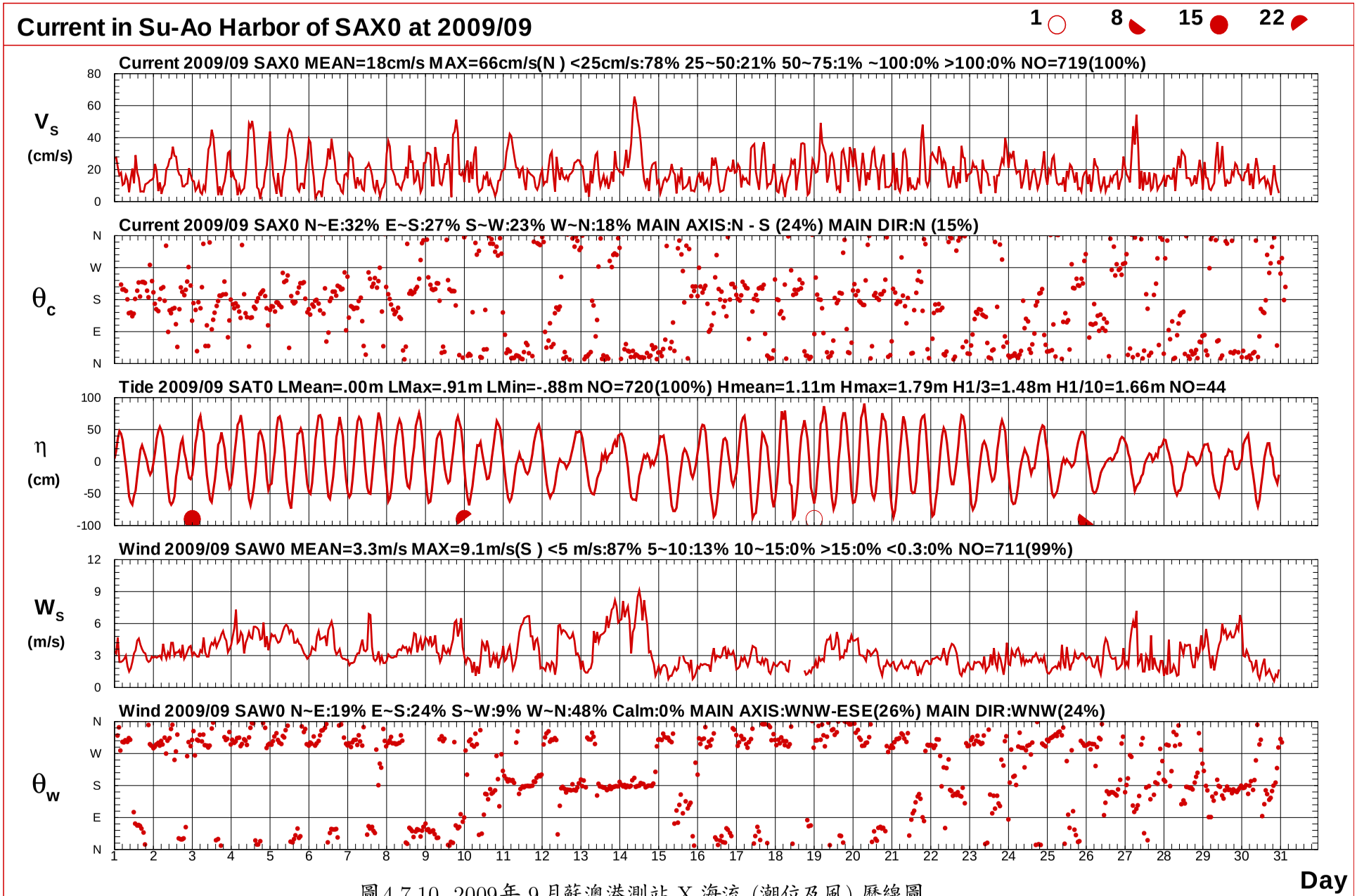


圖4.7.10 2009年 9 月蘇澳港測站 X 海流 (潮位及風) 歷線圖

C099SAX0.1HA T099SAT0.1HA W099SAW0.1HA

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CURC1X.BAT(CURC1XH.DAT)

2010/11/08

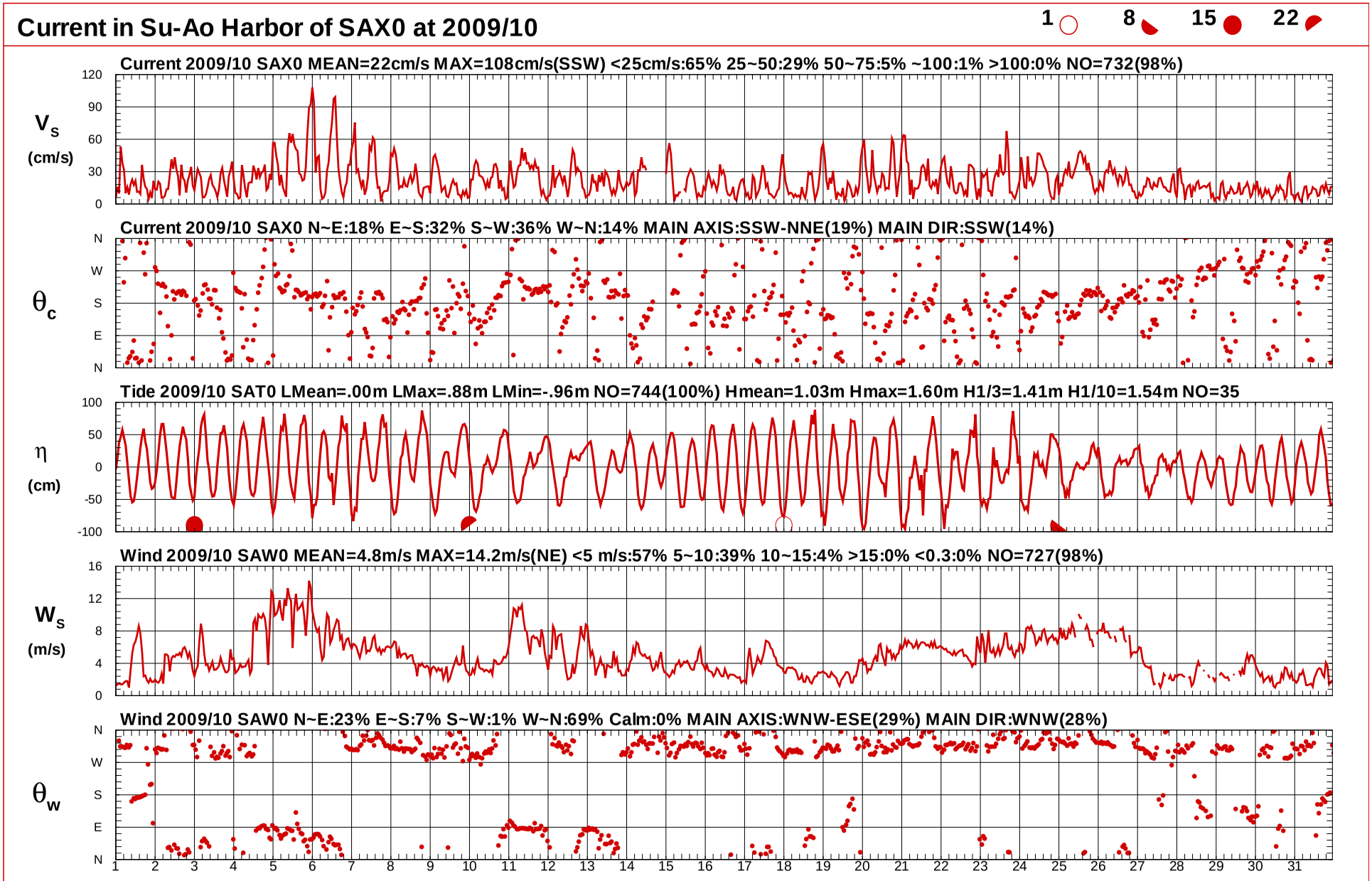


圖 4.7.11　2009年10月蘇澳港測站 X 海流 (潮位及風) 歷線圖

C09ASAX0.1HA　T09ASAT0.1HA　W09ASAW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

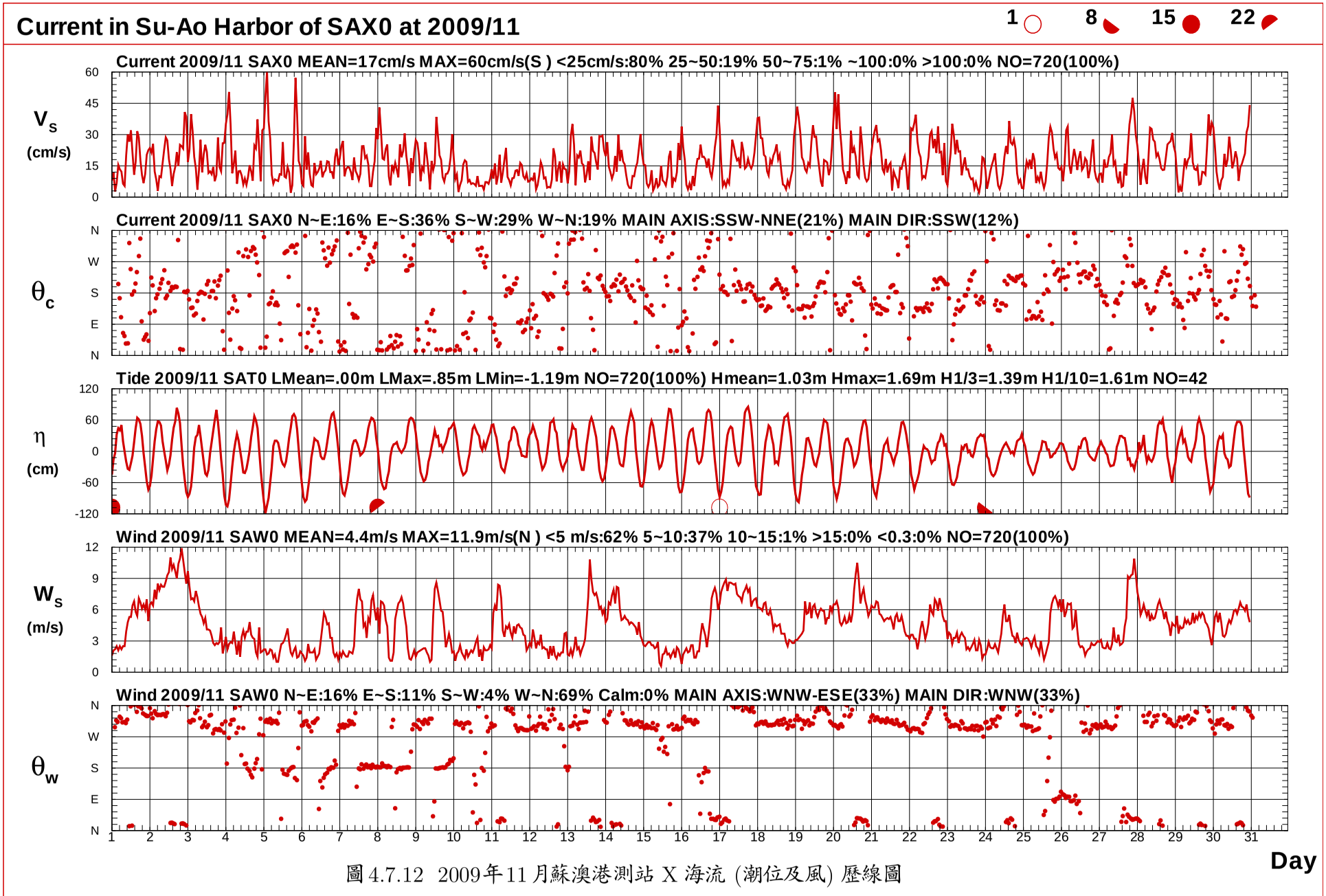


圖 4.7.12 2009年11月蘇澳港測站 X 海流 (潮位及風) 歷線圖

Current Speed in Su-Ao Harbor of SAX0 at 2009

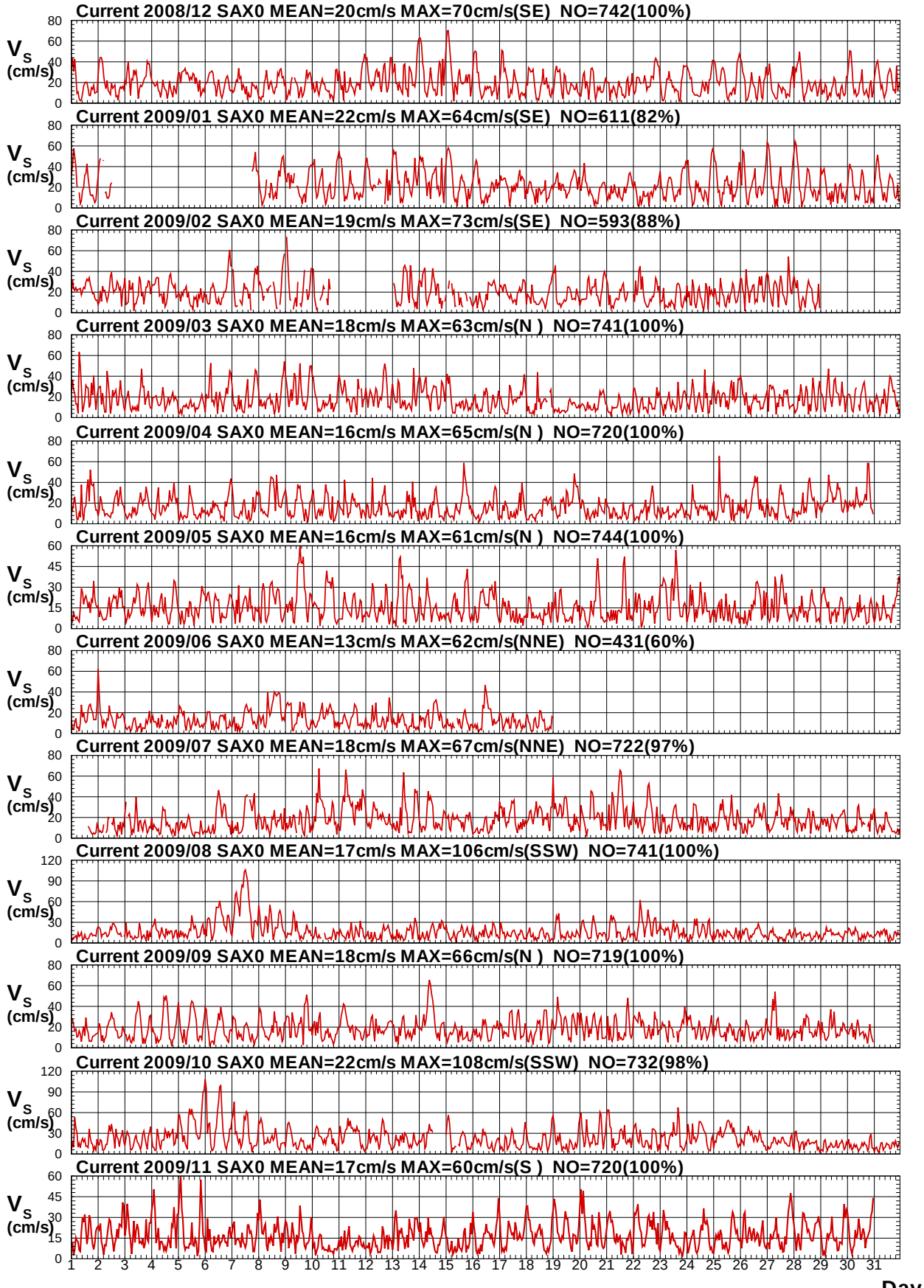


圖 4.7.13　2009年蘇澳港測站 X 觀測流速歷線圖

C08CSAX0.1HA C091SAX0.1HA C092SAX0.1HA C093SAX0.1HA C094SAX0.1HA C095SAX0.1HA
C096SAX0.1HA C097SAX0.1HA C098SAX0.1HA C099SAX0.1HA C09ASAX0.1HA C09BSAX0.1HA

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Current Direction in Su-Ao Harbor of SAX0 at 2009

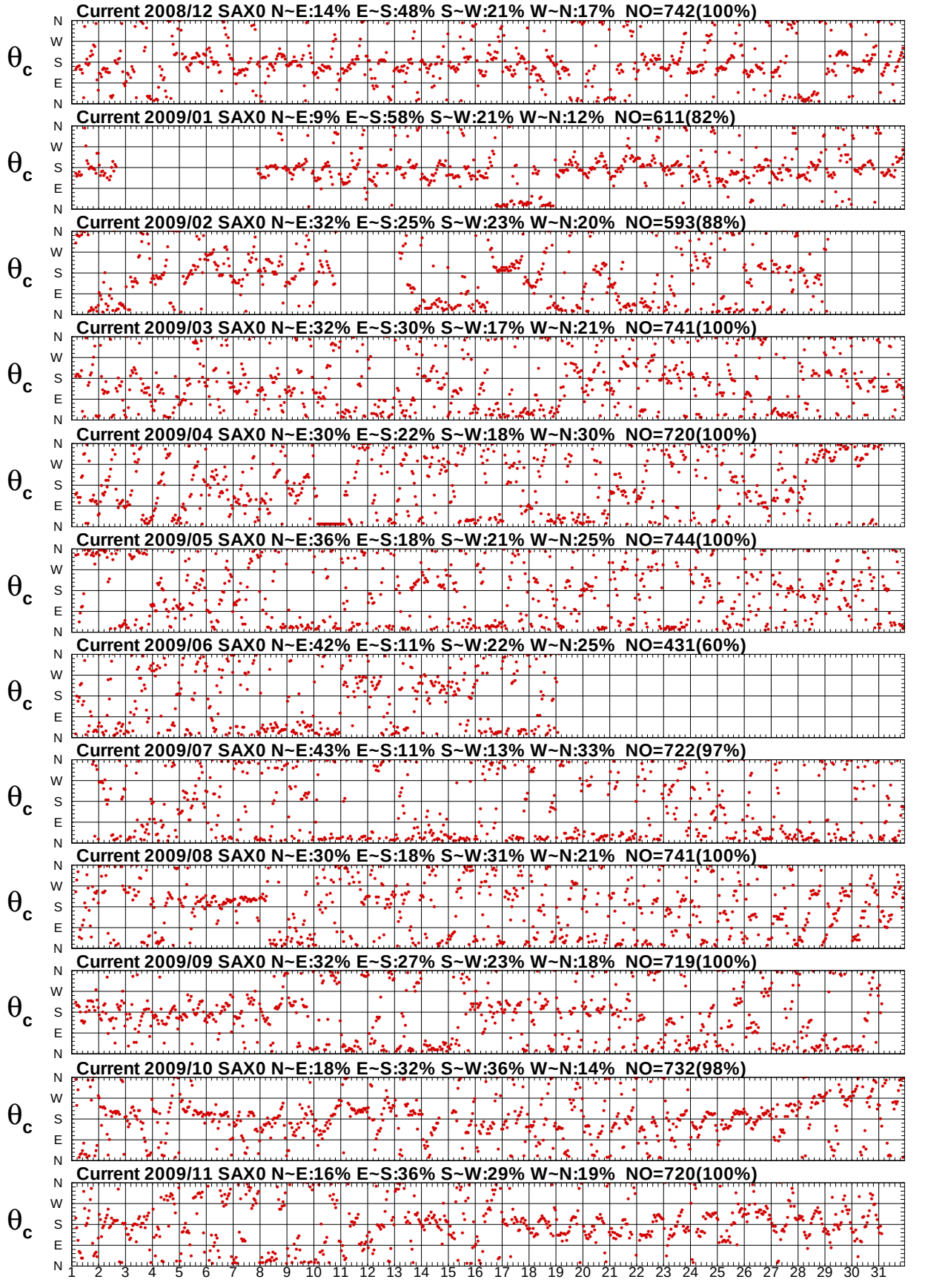


圖 4.7.14　2009年蘇澳港測站 X 觀測流向歷線圖

C08CSAX0.1HA C091SAX0.1HA C092SAX0.1HA C093SAX0.1HA C094SAX0.1HA C095SAX0.1HA
C096SAX0.1HA C097SAX0.1HA C098SAX0.1HA C099SAX0.1HA C09ASAX0.1HA C09BSAX0.1HA

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Current Vector in Su-Ao Harbor of SAX0 at 2009

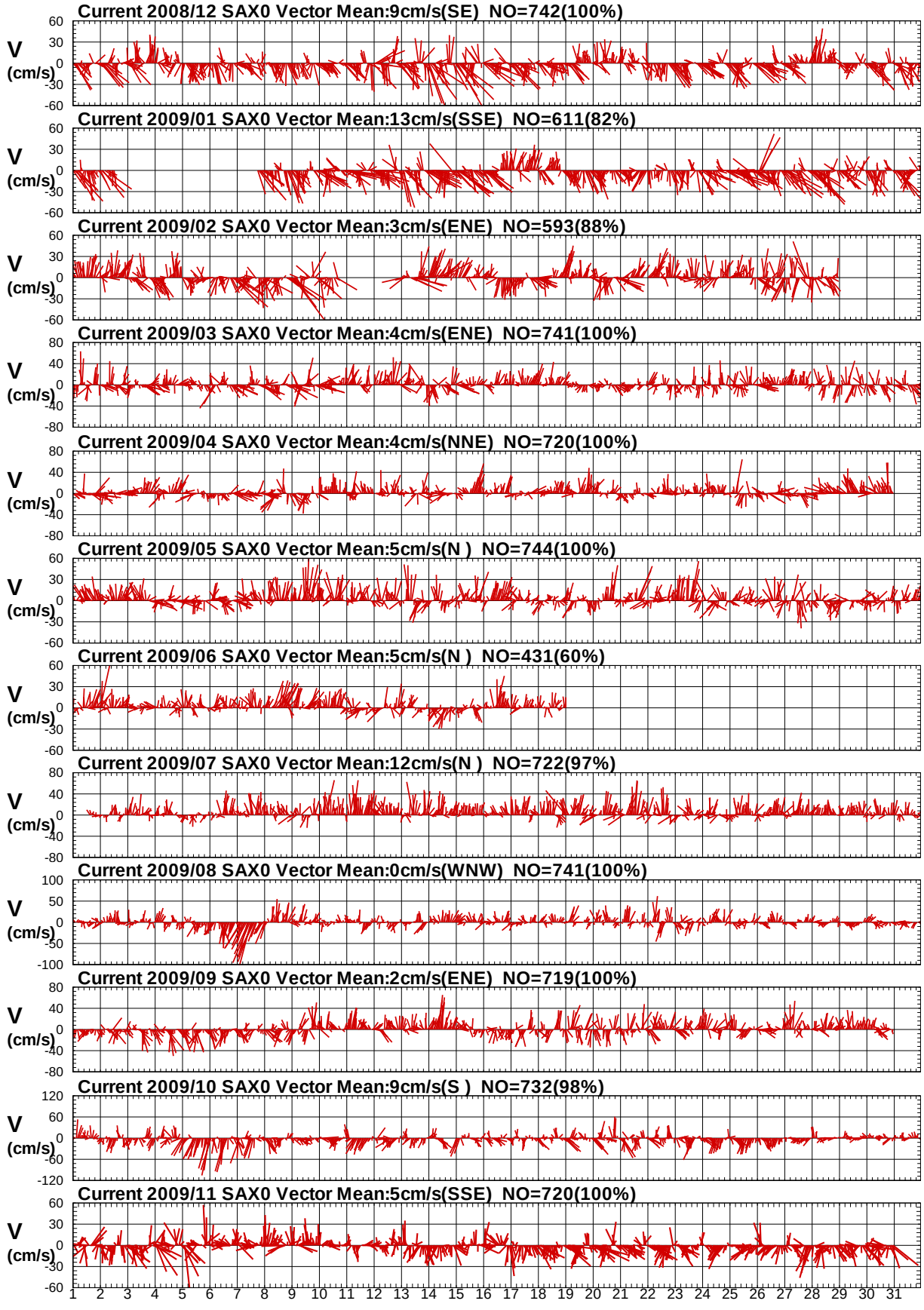


圖 4.7.15　2009年蘇澳港測站 X 觀測流矢圖

C08CSAX0.1HA C091SAX0.1HA C092SAX0.1HA C093SAX0.1HA C094SAX0.1HA C095SAX0.1HA
C096SAX0.1HA C097SAX0.1HA C098SAX0.1HA C099SAX0.1HA C09ASAX0.1HA C09BSAX0.1HA

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Current Speed in Su-Ao Harbor of Cal. at 2009

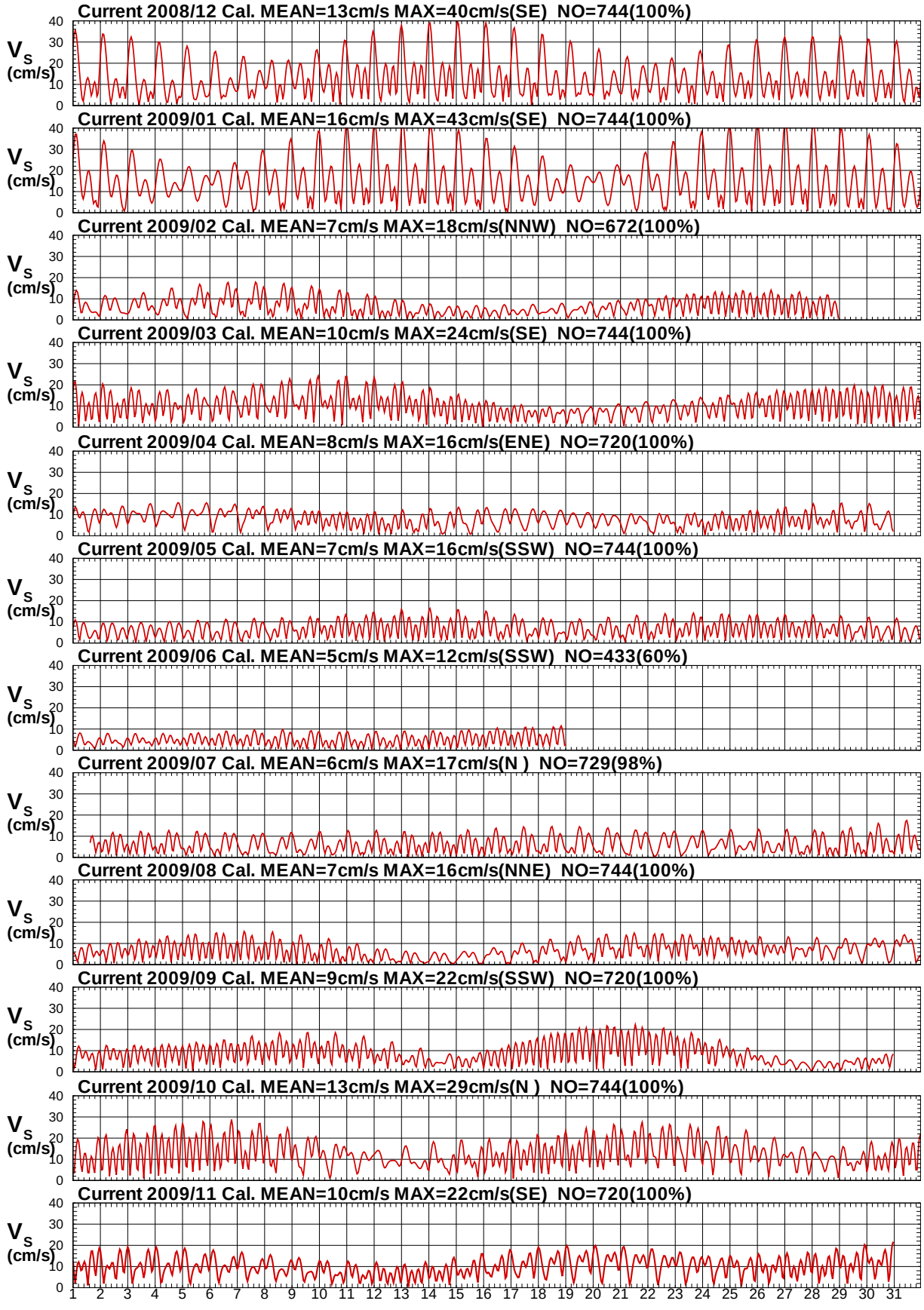


圖 4.7.16　2009年蘇澳港測站 X 潮流流速歷線圖

C08CSAX0.1HC C091SAX0.1HC C092SAX0.1HC C093SAX0.1HC C094SAX0.1HC C095SAX0.1HC
C096SAX0.1HC C097SAX0.1HC C098SAX0.1HC C099SAX0.1HC C09ASAX0.1HC C09BSAX0.1HC

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Current Direction in Su-Ao Harbor of Cal. at 2009

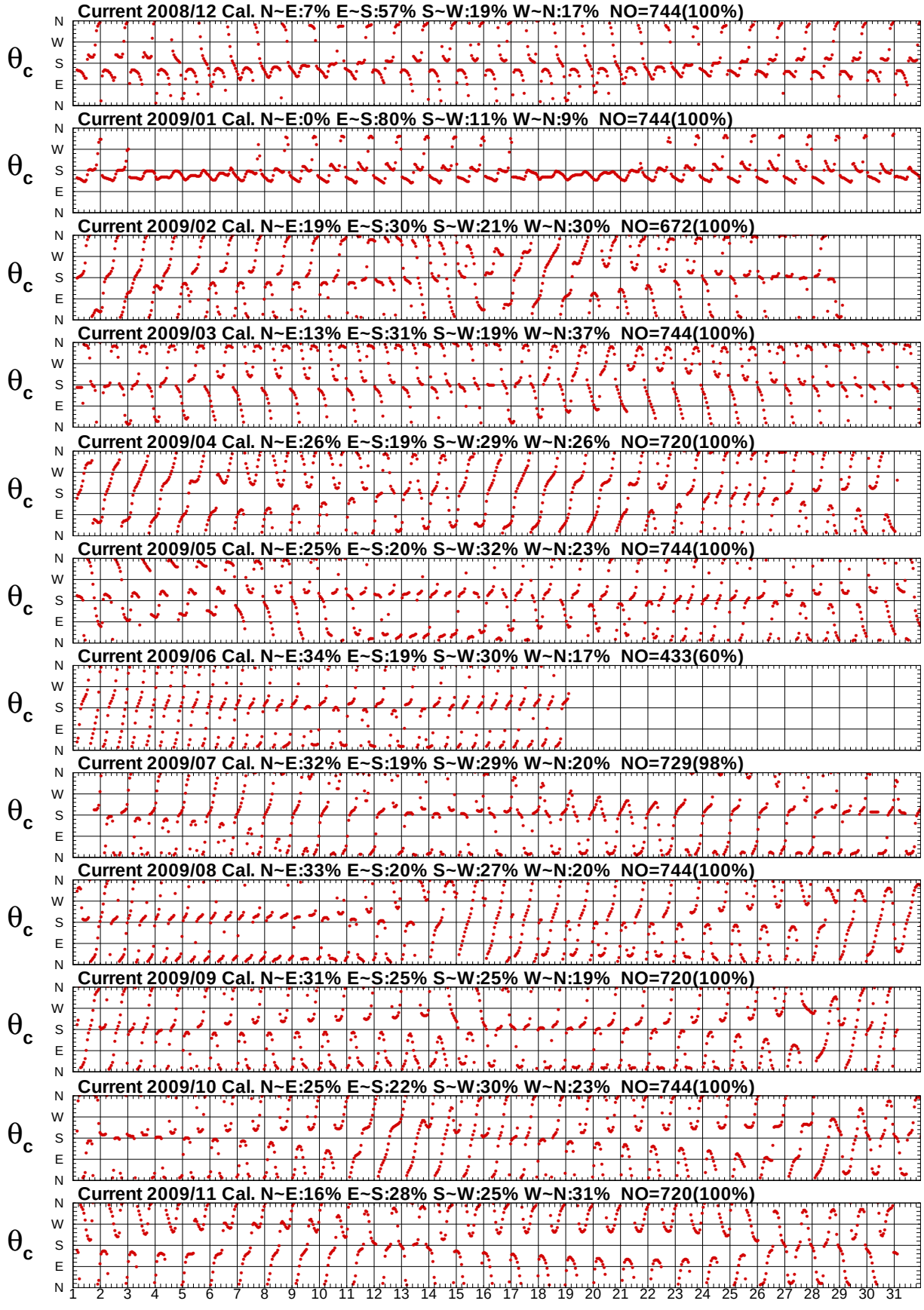


圖 4.7.17　2009年蘇澳港測站 X 潮流流向歷線圖

C08CSAX0.1HC C091SAX0.1HC C092SAX0.1HC C093SAX0.1HC C094SAX0.1HC C095SAX0.1HC
C096SAX0.1HC C097SAX0.1HC C098SAX0.1HC C099SAX0.1HC C09ASAX0.1HC C09BSAX0.1HC

Institute of Harbor & Marine Technology

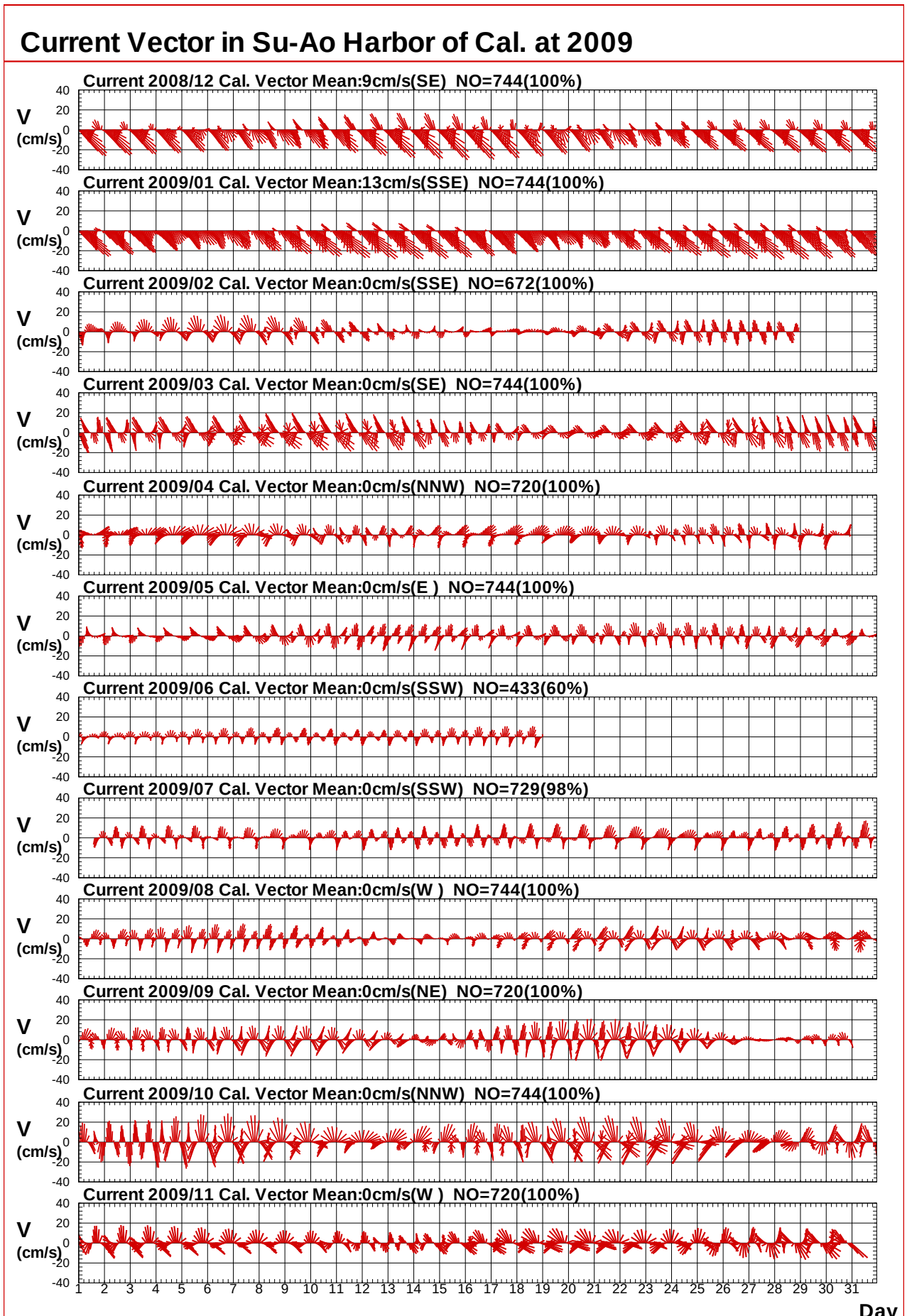


圖 4.7.18　2009年蘇澳港測站 X 潮流流矢圖

C08CSAX0.1HC C091SAX0.1HC C092SAX0.1HC C093SAX0.1HC C094SAX0.1HC C095SAX0.1HC
C096SAX0.1HC C097SAX0.1HC C098SAX0.1HC C099SAX0.1HC C09ASAX0.1HC C09BSAX0.1HC

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Current Speed in Su-Ao Harbor of SAX0 at 2009

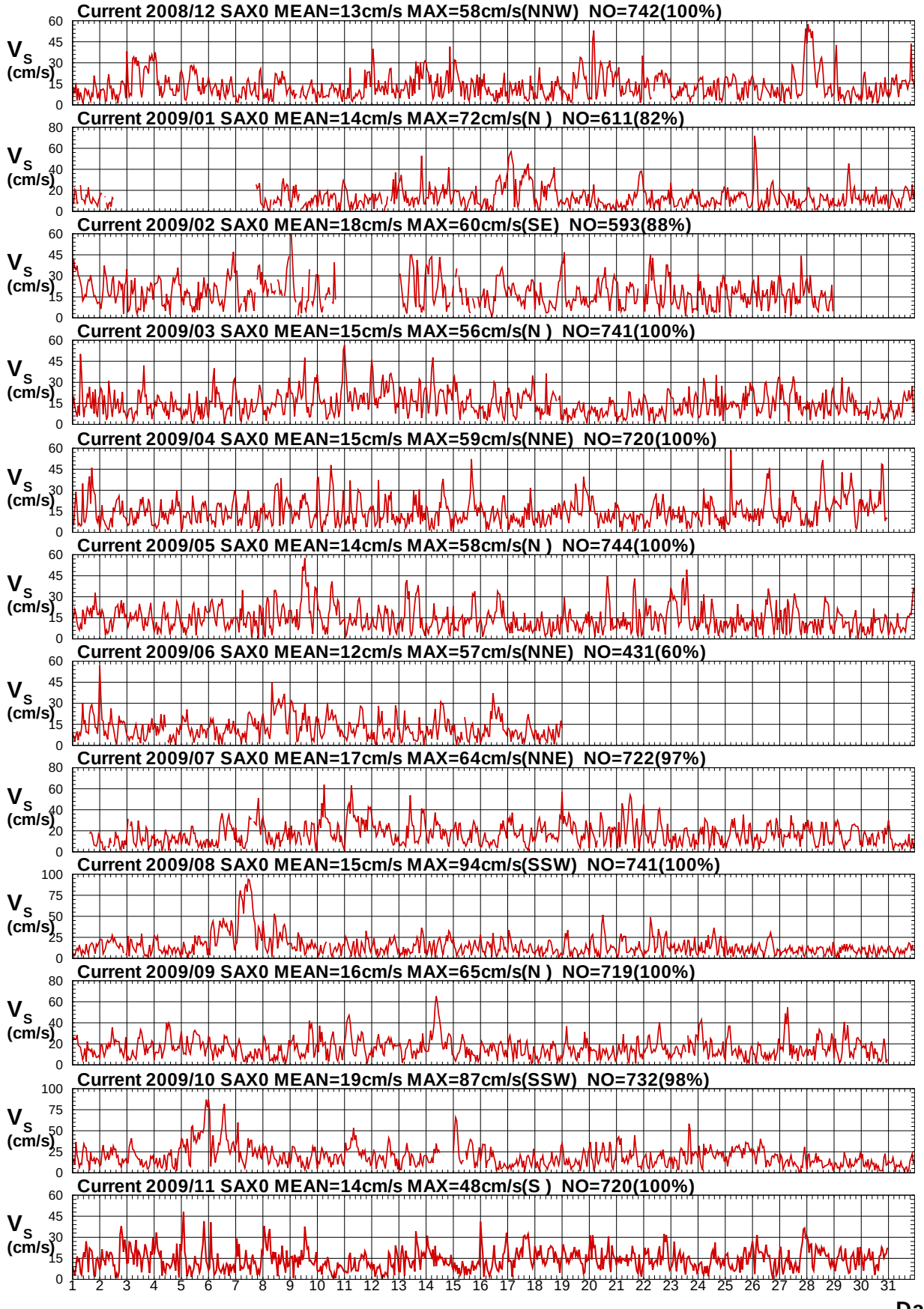


圖 4.7.19　2009年蘇澳港測站 X 非潮流速歷線圖

C08CSAX0.1HR C091SAX0.1HR C092SAX0.1HR C093SAX0.1HR C094SAX0.1HR C095SAX0.1HR
C096SAX0.1HR C097SAX0.1HR C098SAX0.1HR C099SAX0.1HR C09ASAX0.1HR C09BSAX0.1HR

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Current Direction in Su-Ao Harbor of SAX0 at 2009

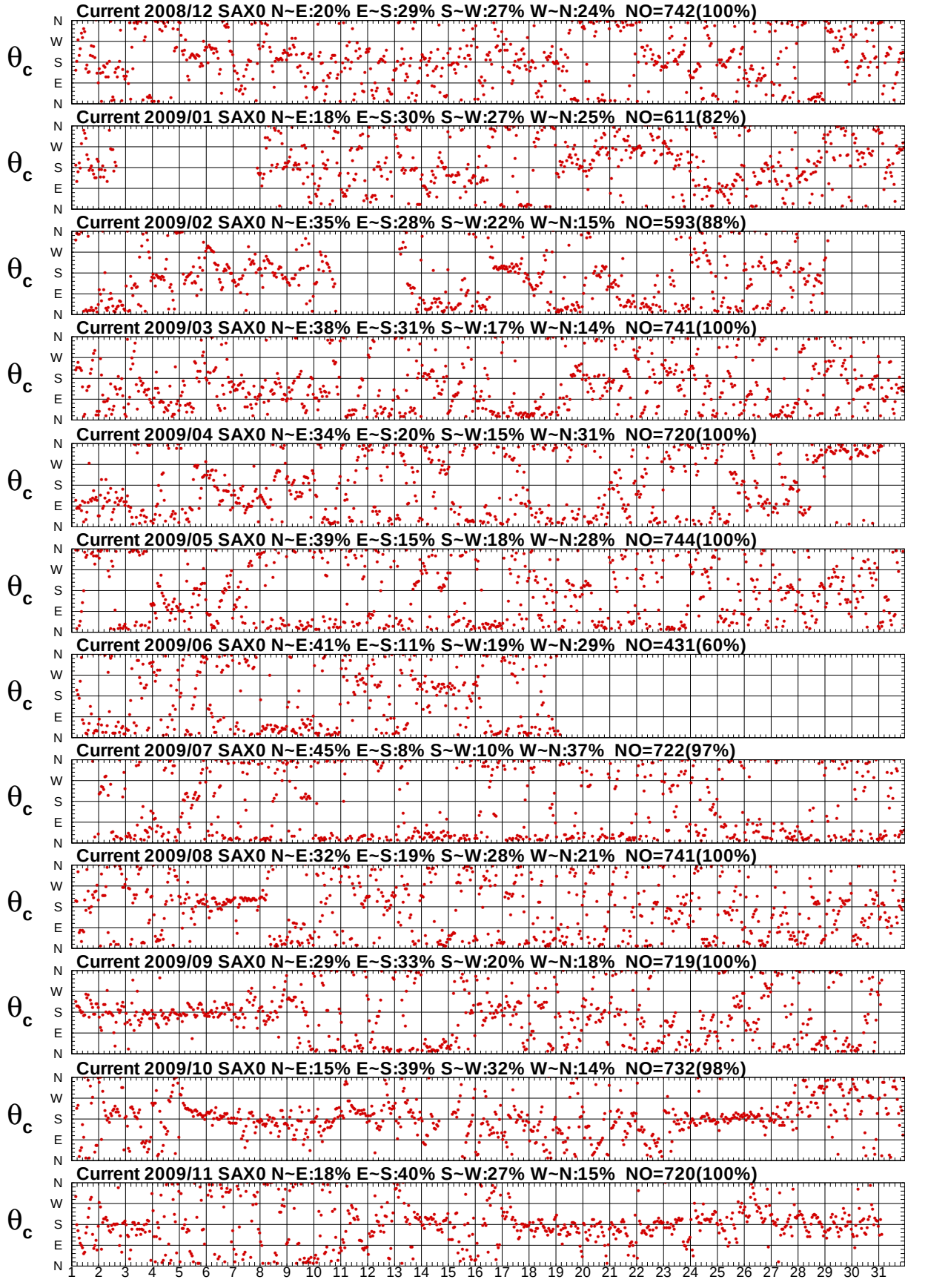


圖 4.7.20　2009年蘇澳港測站 X 非潮流向歷線圖

C08CSAX0.1HR C091SAX0.1HR C092SAX0.1HR C093SAX0.1HR C094SAX0.1HR C095SAX0.1HR
C096SAX0.1HR C097SAX0.1HR C098SAX0.1HR C099SAX0.1HR C09ASAX0.1HR C09BSAX0.1HR

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Current Vector in Su-Ao Harbor of SAX0 at 2009

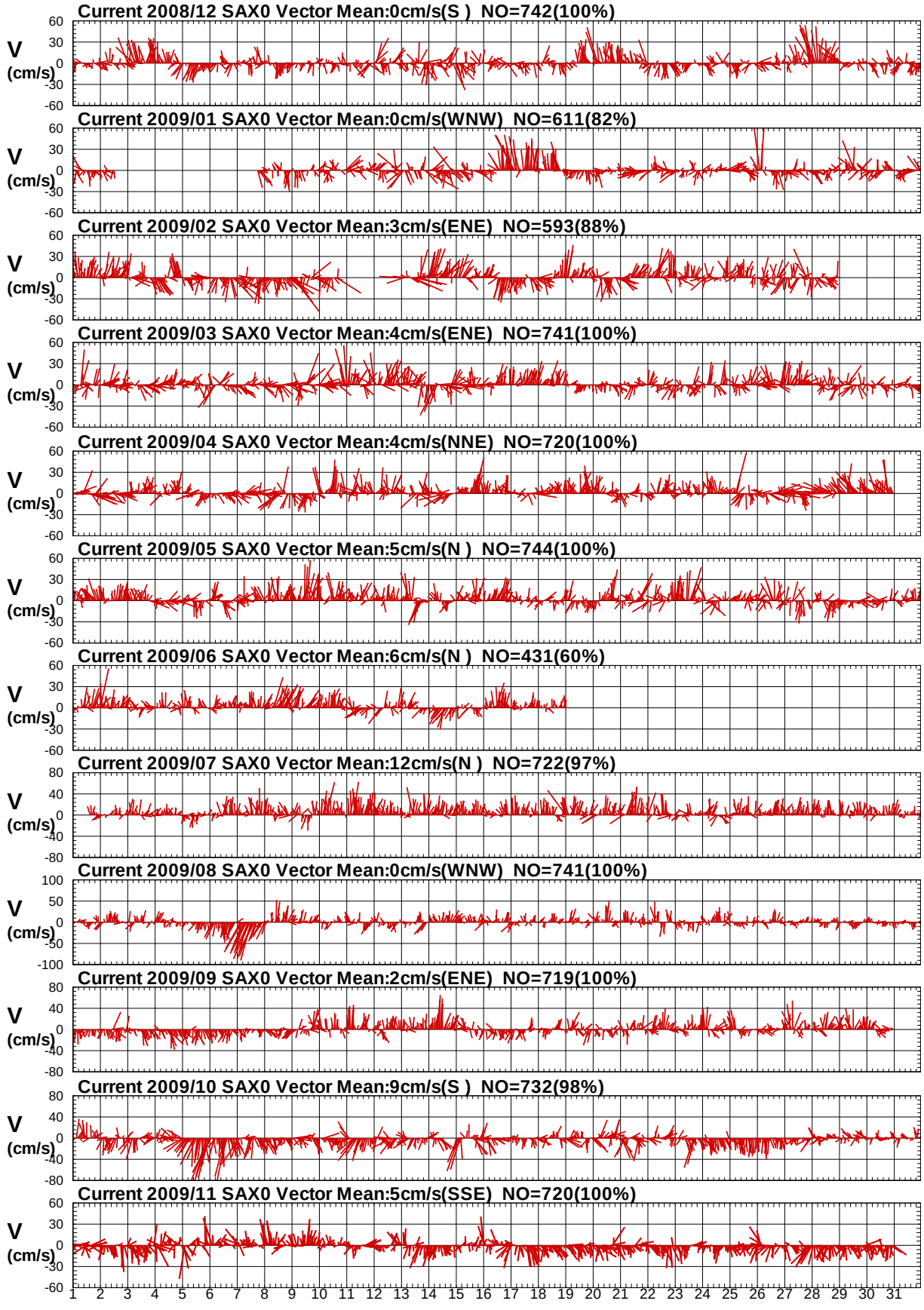


圖 4.7.21　2009年蘇澳港測站 X 非潮流矢圖

C08CSAX0.1HR C091SAX0.1HR C092SAX0.1HR C093SAX0.1HR C094SAX0.1HR C095SAX0.1HR
C096SAX0.1HR C097SAX0.1HR C098SAX0.1HR C099SAX0.1HR C09ASAX0.1HR C09BSAX0.1HR

Institute of Harbor & Marine Technology

Current Speed in Su-Ao Harbor of SAX0 at 2009

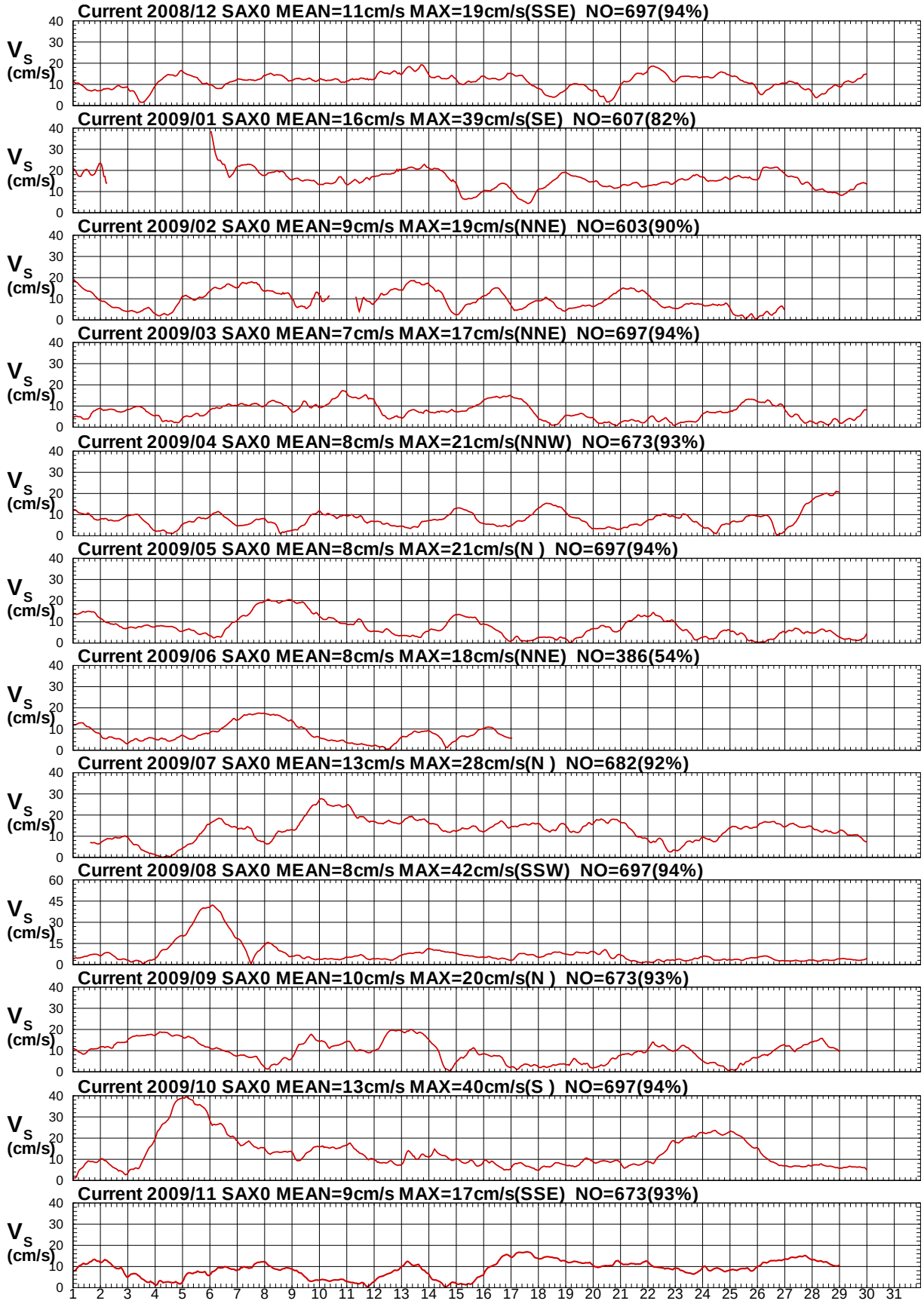


圖 4.7.22　2009年蘇澳港 X 站48時平均流速歷線圖

C08CSAX0.48H C091SAX0.48H C092SAX0.48H C093SAX0.48H C094SAX0.48H C095SAX0.48H
C096SAX0.48H C097SAX0.48H C098SAX0.48H C099SAX0.48H C09ASAX0.48H C09BSAX0.48H

Institute of Harbor & Marine Technology

Current Direction in Su-Ao Harbor of SAX0 at 2009

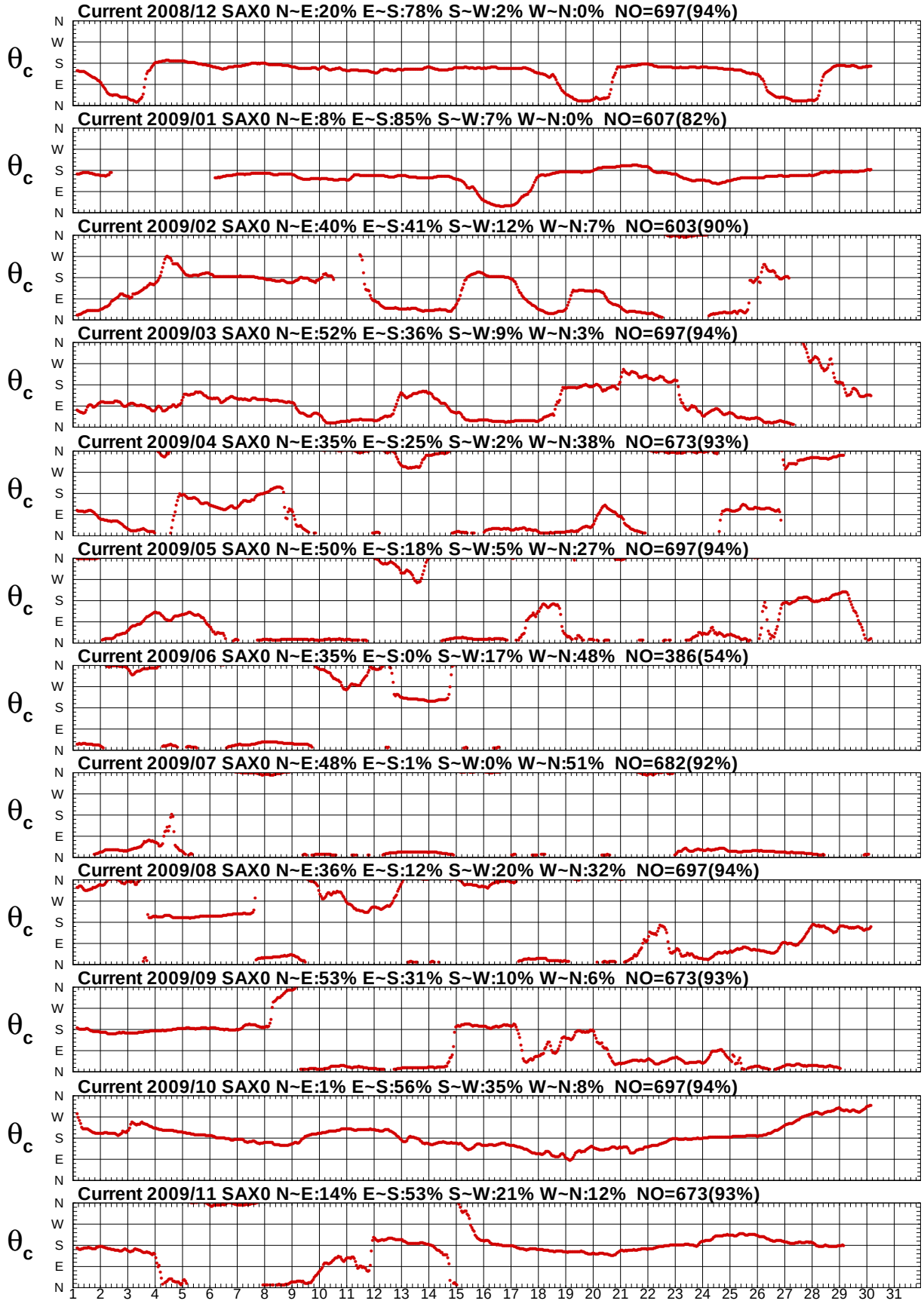


圖 4.7.23　2009年蘇澳港 X 站48時平均流向歷線圖

C08CSAX0.48H C091SAX0.48H C092SAX0.48H C093SAX0.48H C094SAX0.48H C095SAX0.48H
C096SAX0.48H C097SAX0.48H C098SAX0.48H C099SAX0.48H C09ASAX0.48H C09BSAX0.48H

Institute of Harbor & Marine Technology

Current Vector in Su-Ao Harbor of SAX0 at 2009

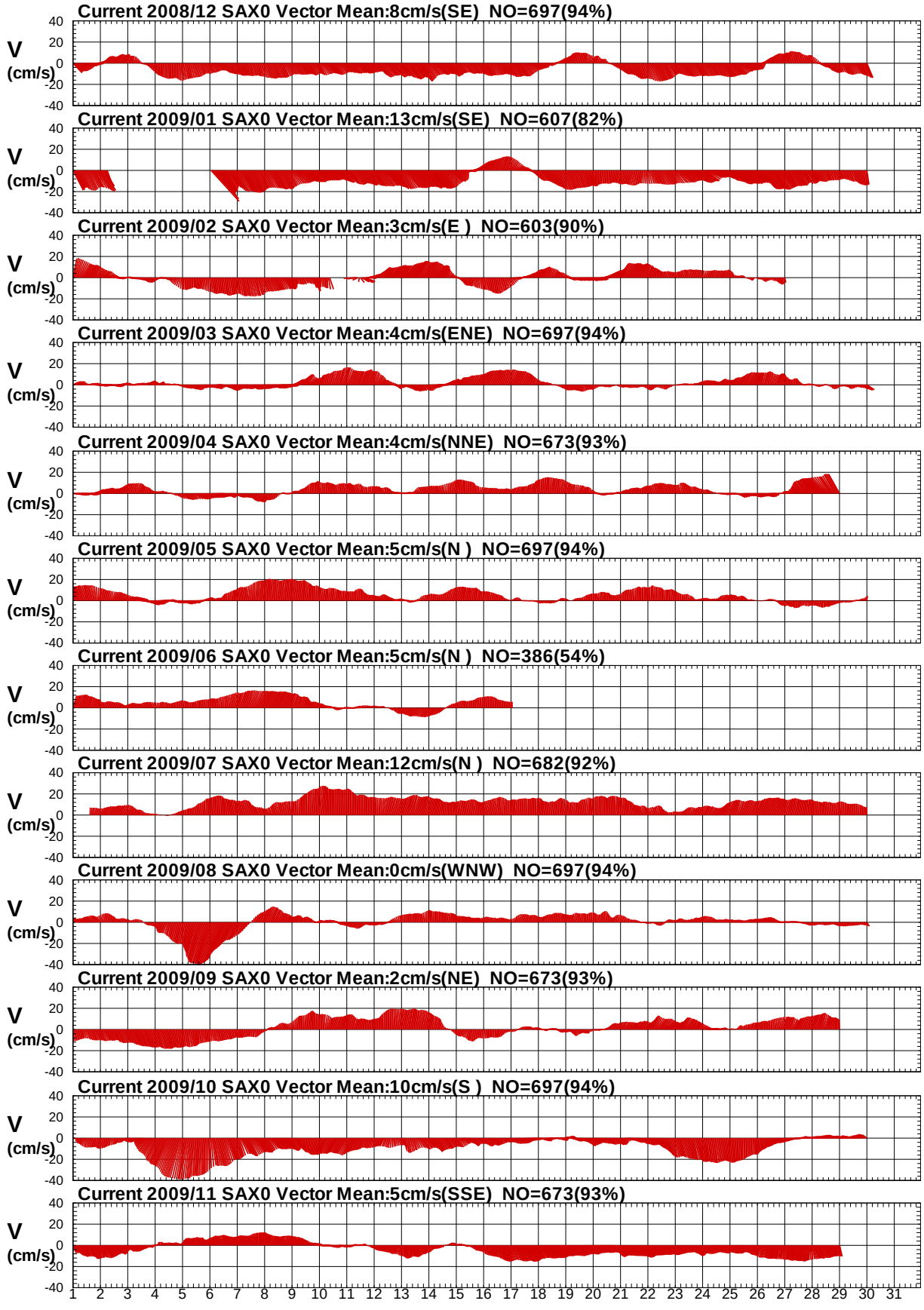


圖 4.7.24　2009年蘇澳港 X 站48時平均流矢圖

C08CSAX0.48H C091SAX0.48H C092SAX0.48H C093SAX0.48H C094SAX0.48H C095SAX0.48H
C096SAX0.48H C097SAX0.48H C098SAX0.48H C099SAX0.48H C09ASAX0.48H C09BSAX0.48H

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4.8　2009年布袋港逐時海流月歷線圖
(逐時觀測海流歷線圖)
(逐時純潮流歷線圖)
(逐時非潮流歷線圖)
(48時向量平均海流歷線圖)

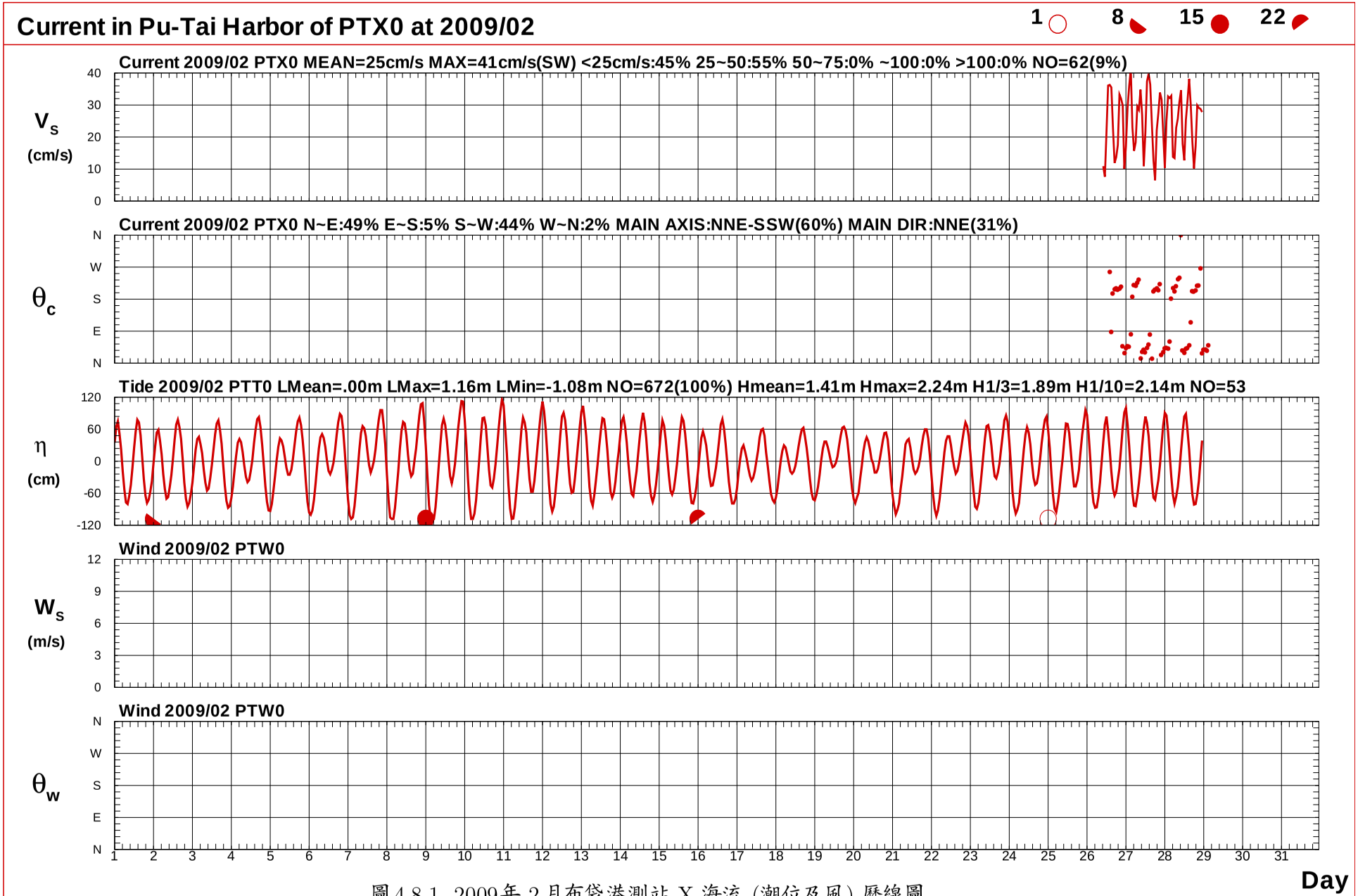


圖 4.8.1 2009年 2 月布袋港測站 X 海流 (潮位及風) 歷線圖

C092PTX0.1HA T092PTT0.1HA W092PTW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

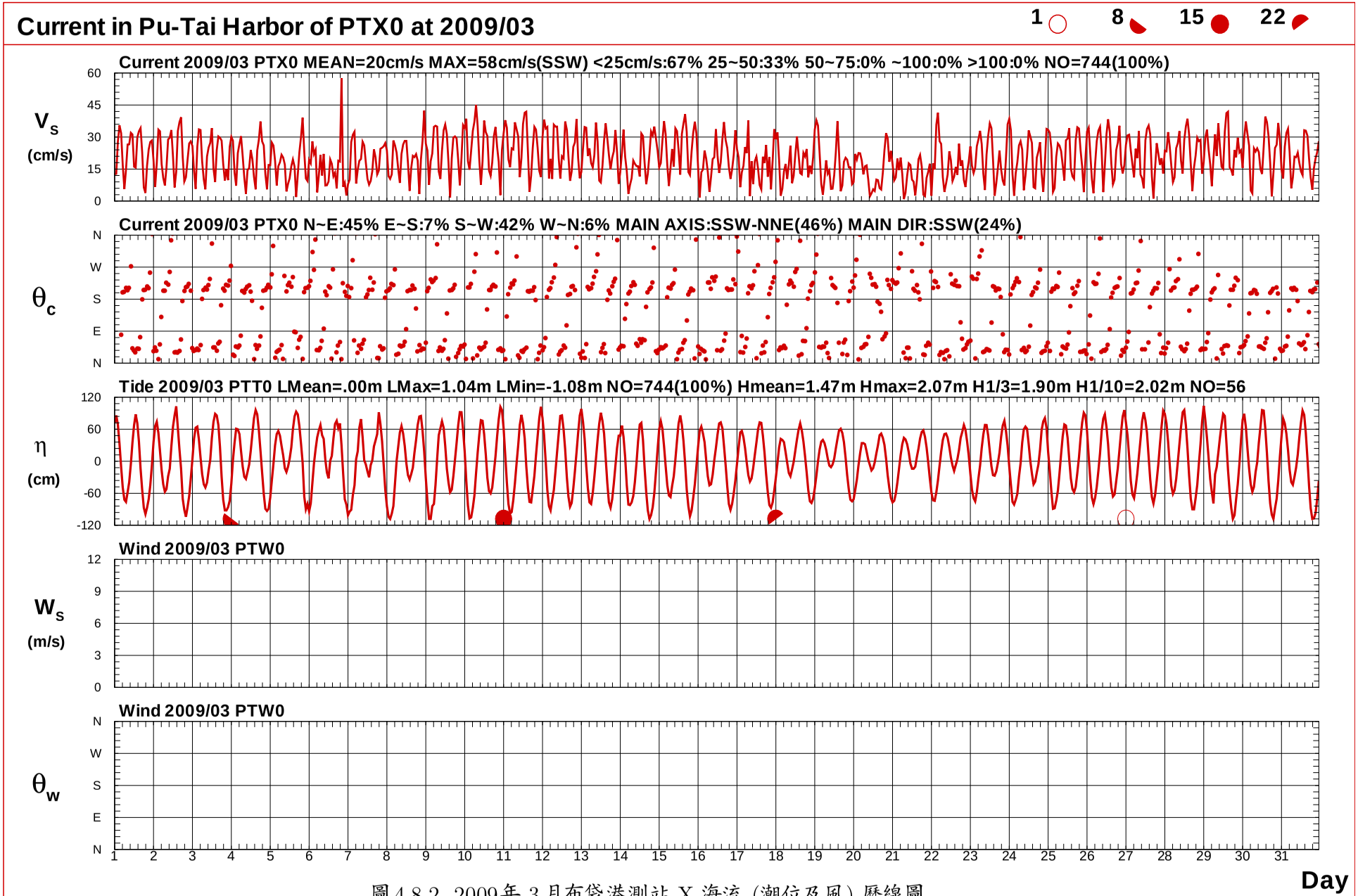


圖 4.8.2 2009年 3 月布袋港測站 X 海流 (潮位及風) 歷線圖

C093PTX0.1HA T093PTT0.1HA W093PTW0.1HA

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CURC1X.BAT(CURC1XH.DAT)

2010/11/08

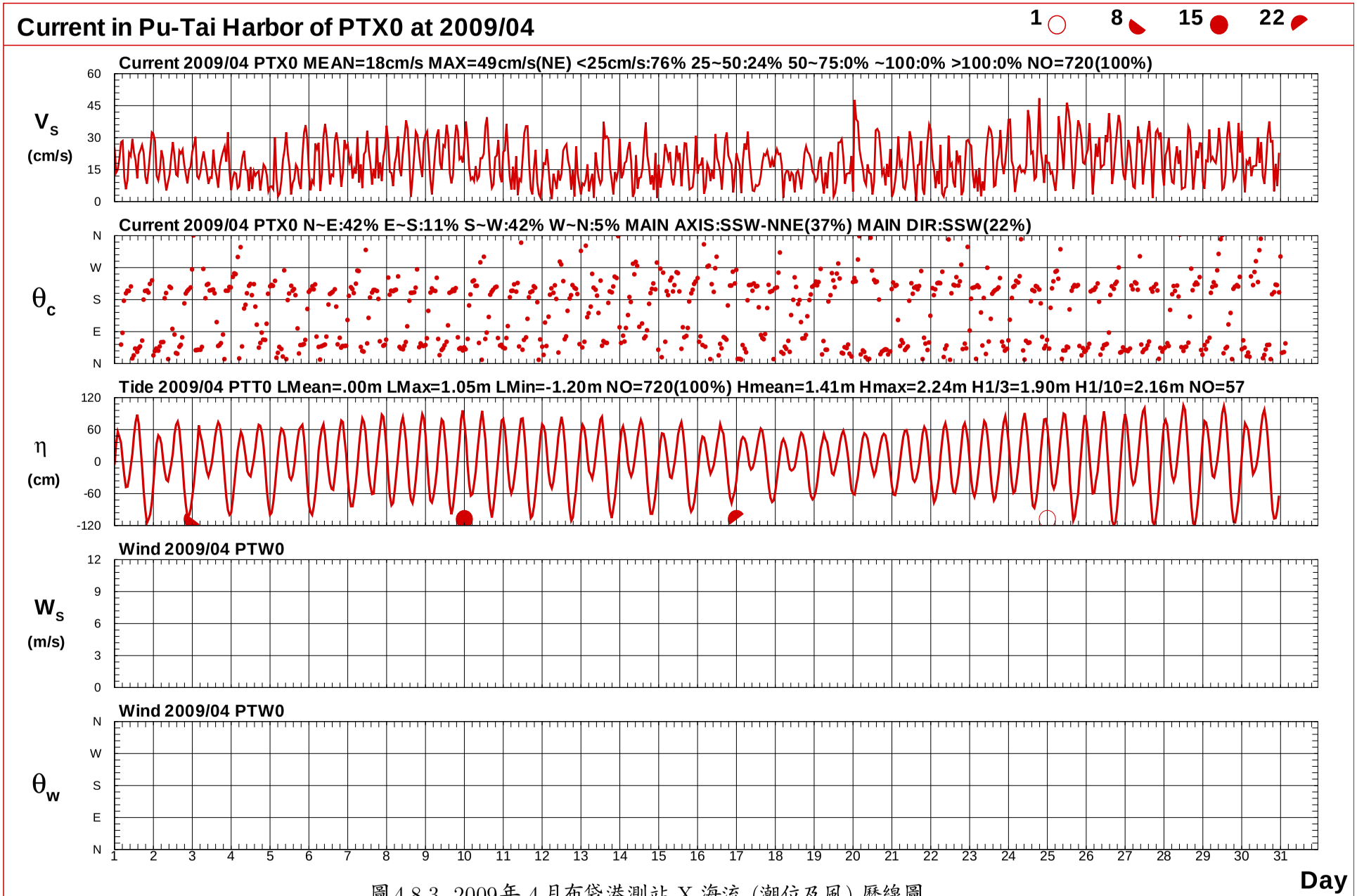


圖 4.8.3 2009年 4 月布袋港測站 X 海流 (潮位及風) 歷線圖

C094PTX0.1HA T094PTT0.1HA W094PTW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

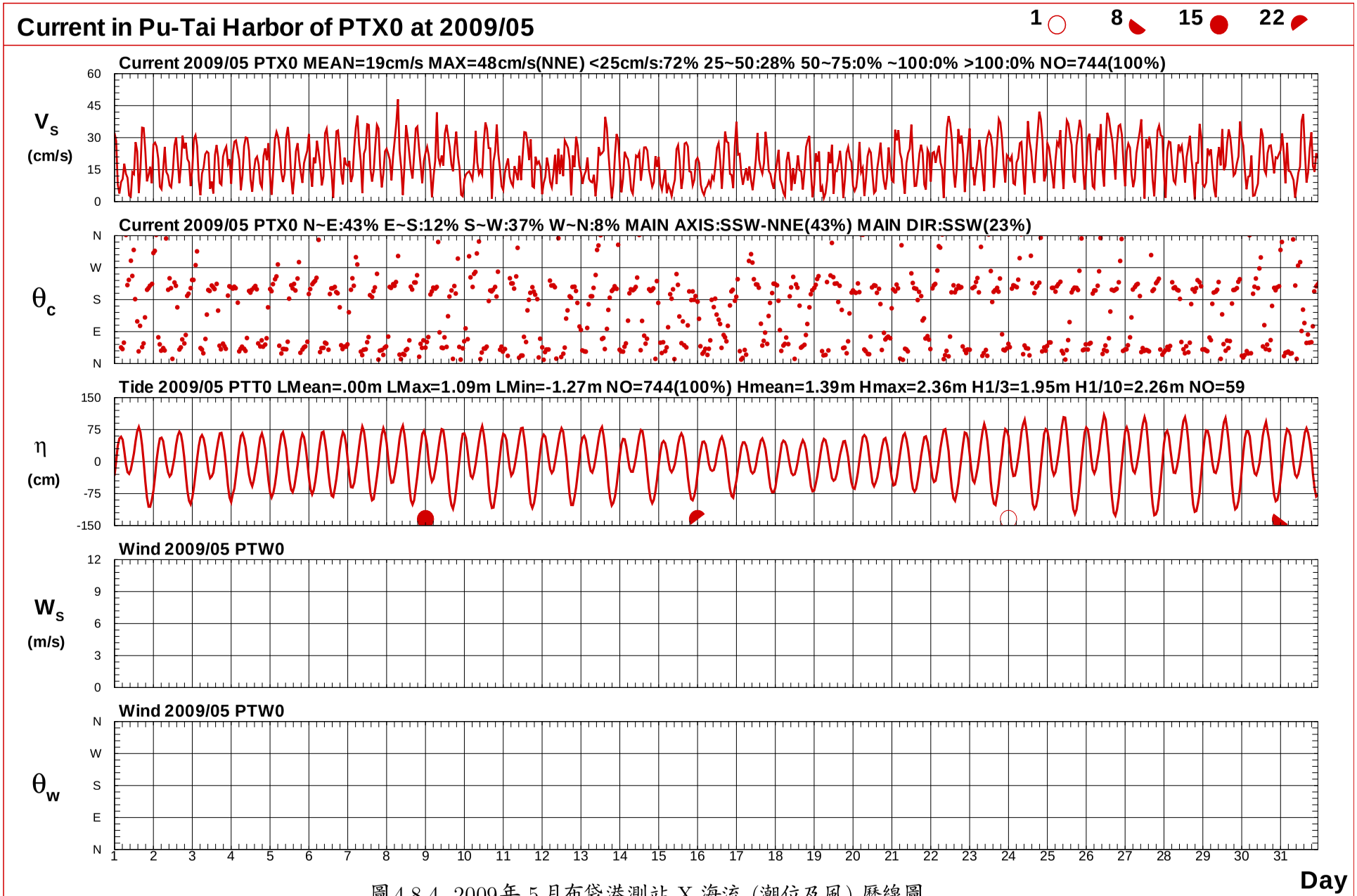


圖 4.8.4 2009年 5 月布袋港測站 X 海流 (潮位及風) 歷線圖

C095PTX0.1HA T095PTT0.1HA W095PTW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

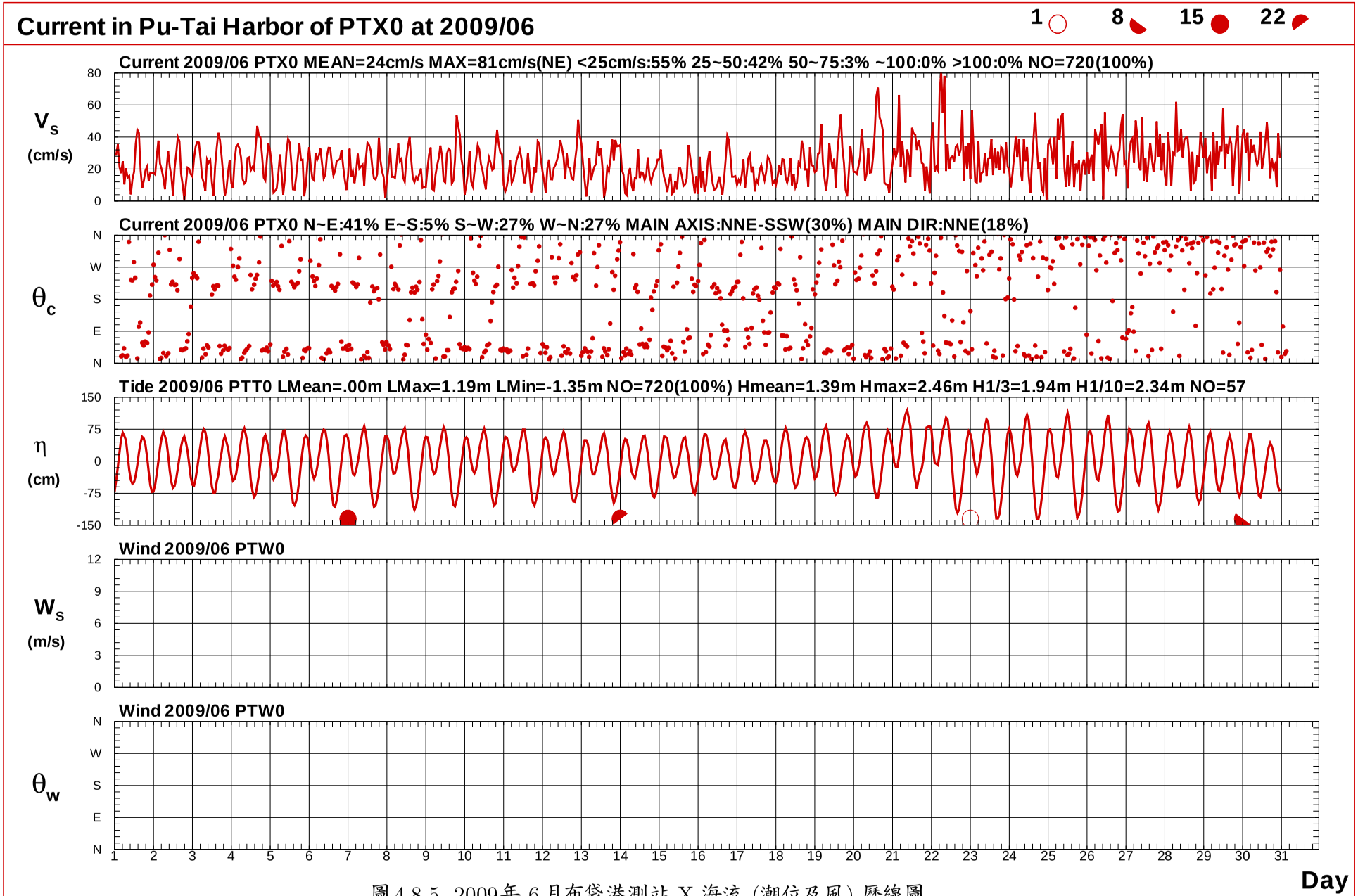


圖 4.8.5 2009年 6 月布袋港測站 X 海流 (潮位及風) 歷線圖

C096PTX0.1HA T096PTT0.1HA W096PTW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

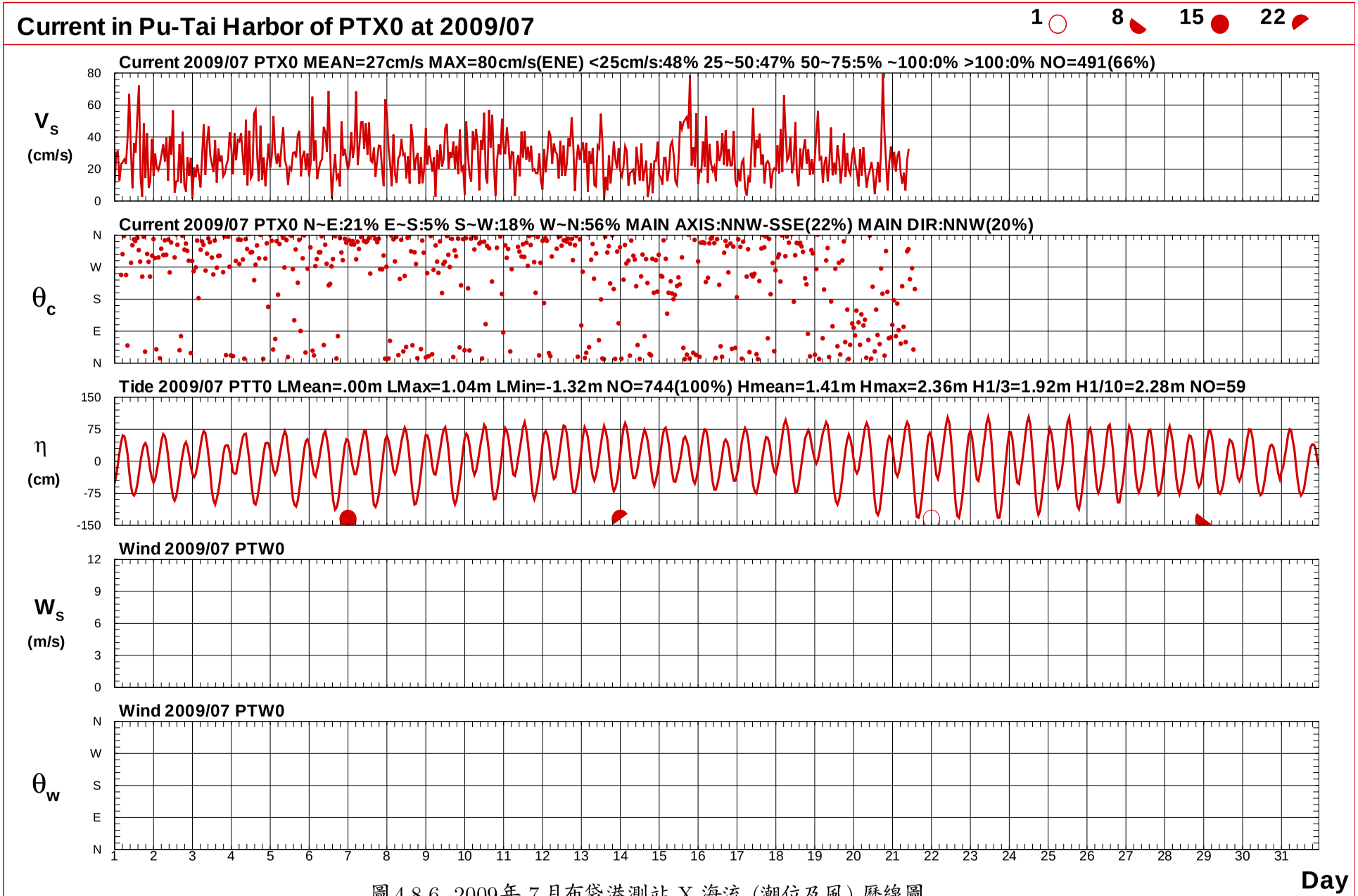


圖 4.8.6 2009年 7月布袋港測站 X 海流 (潮位及風) 歷線圖

C097PTX0.1HA T097PTT0.1HA W097PTW0.1HA

Institute of Harbor & Marine Technology

CURC1X.BAT(CURC1XH.DAT)

2010/11/08

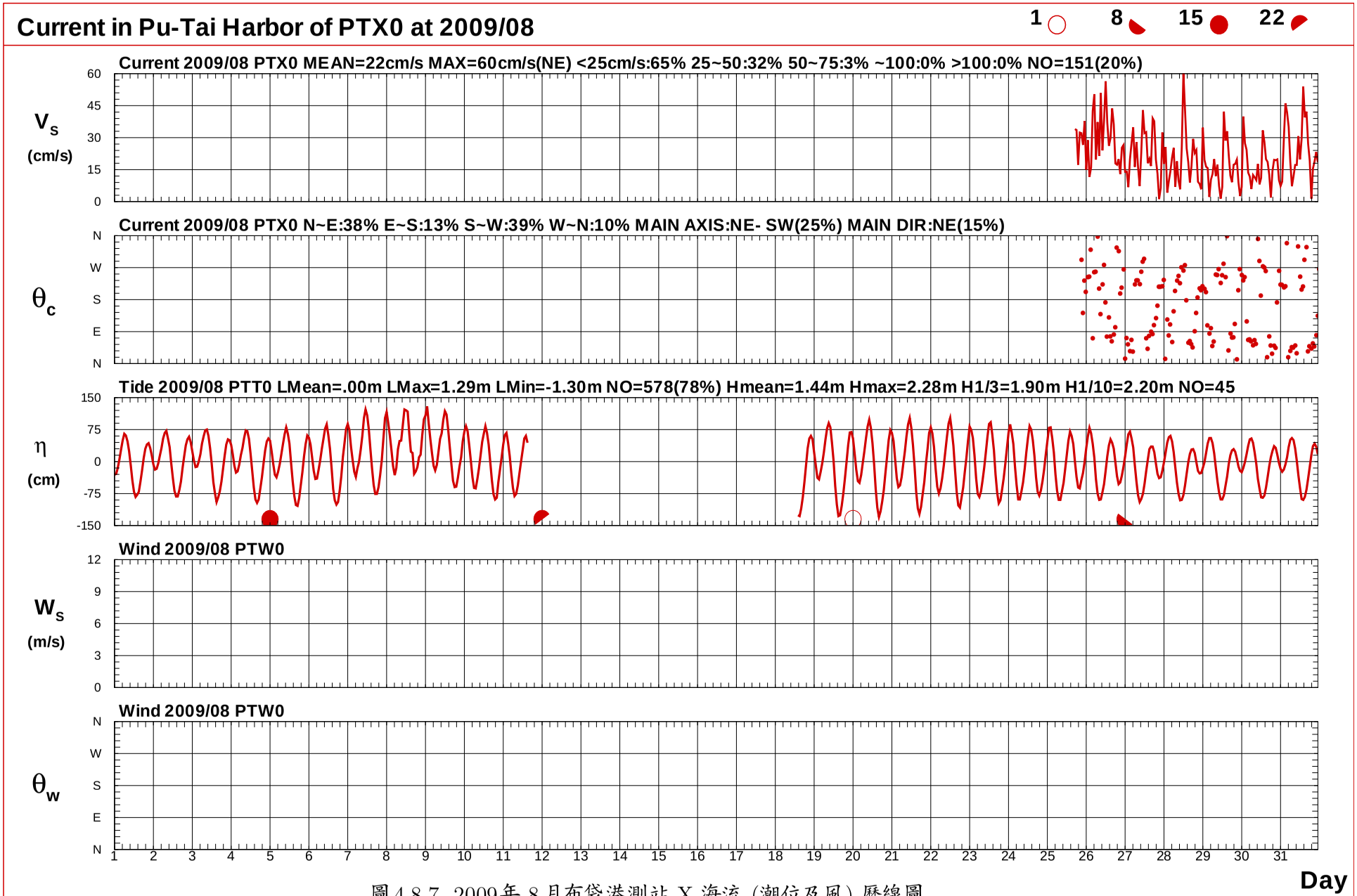


圖 4.8.7 2009年 8 月布袋港測站 X 海流 (潮位及風) 歷線圖

C098PTX0.1HA T098PTT0.1HA W098PTW0.1HA

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CURC1X.BAT(CURC1XH.DAT)

2010/11/08

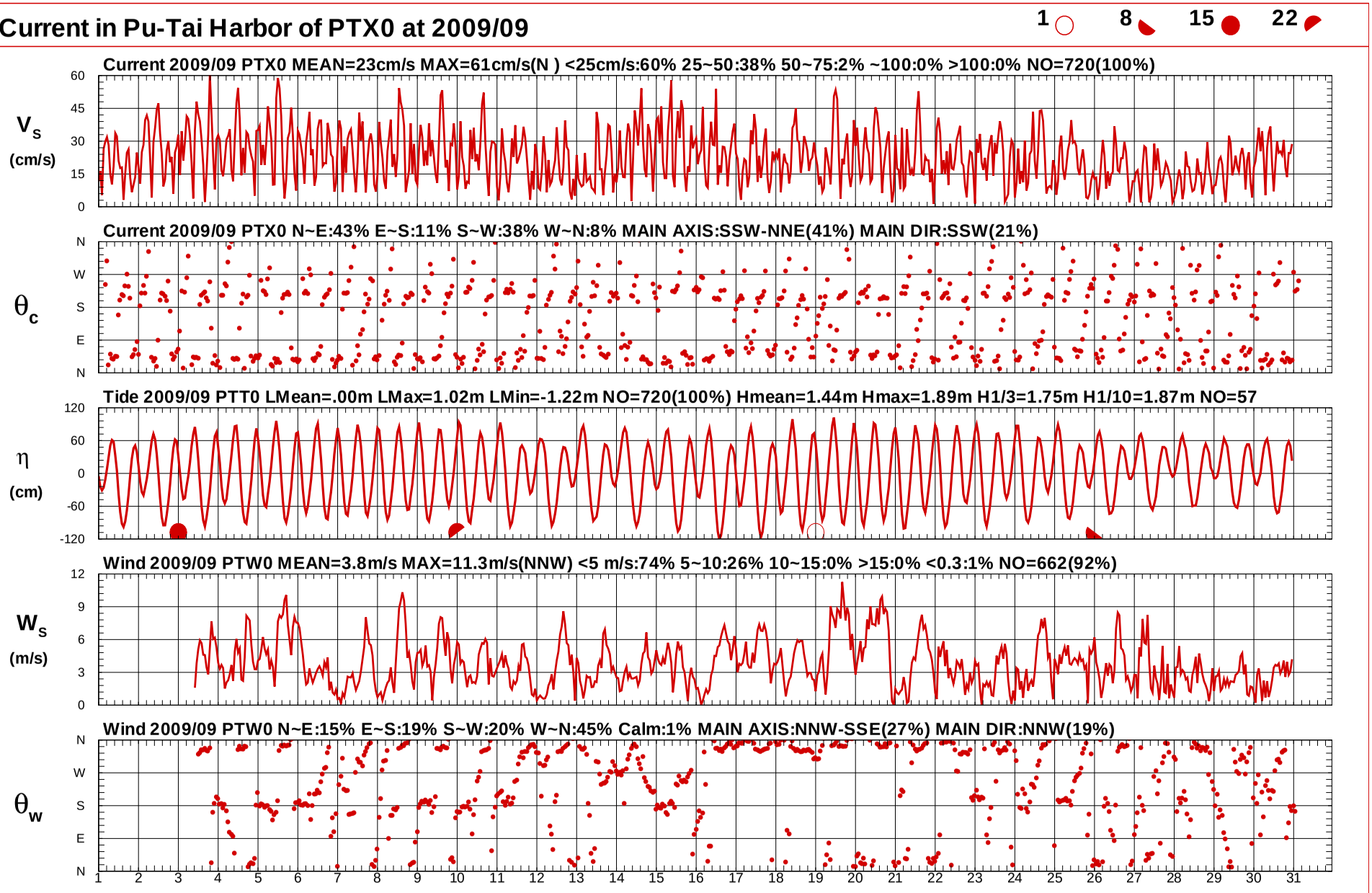


圖 4.8.8 2009年 9 月布袋港測站 X 海流 (潮位及風) 歷線圖

C099PTX0.1HA T099PTT0.1HA W099PTW0.1HA

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CURC1X.BAT(CURC1XH.DAT)

2010/11/08

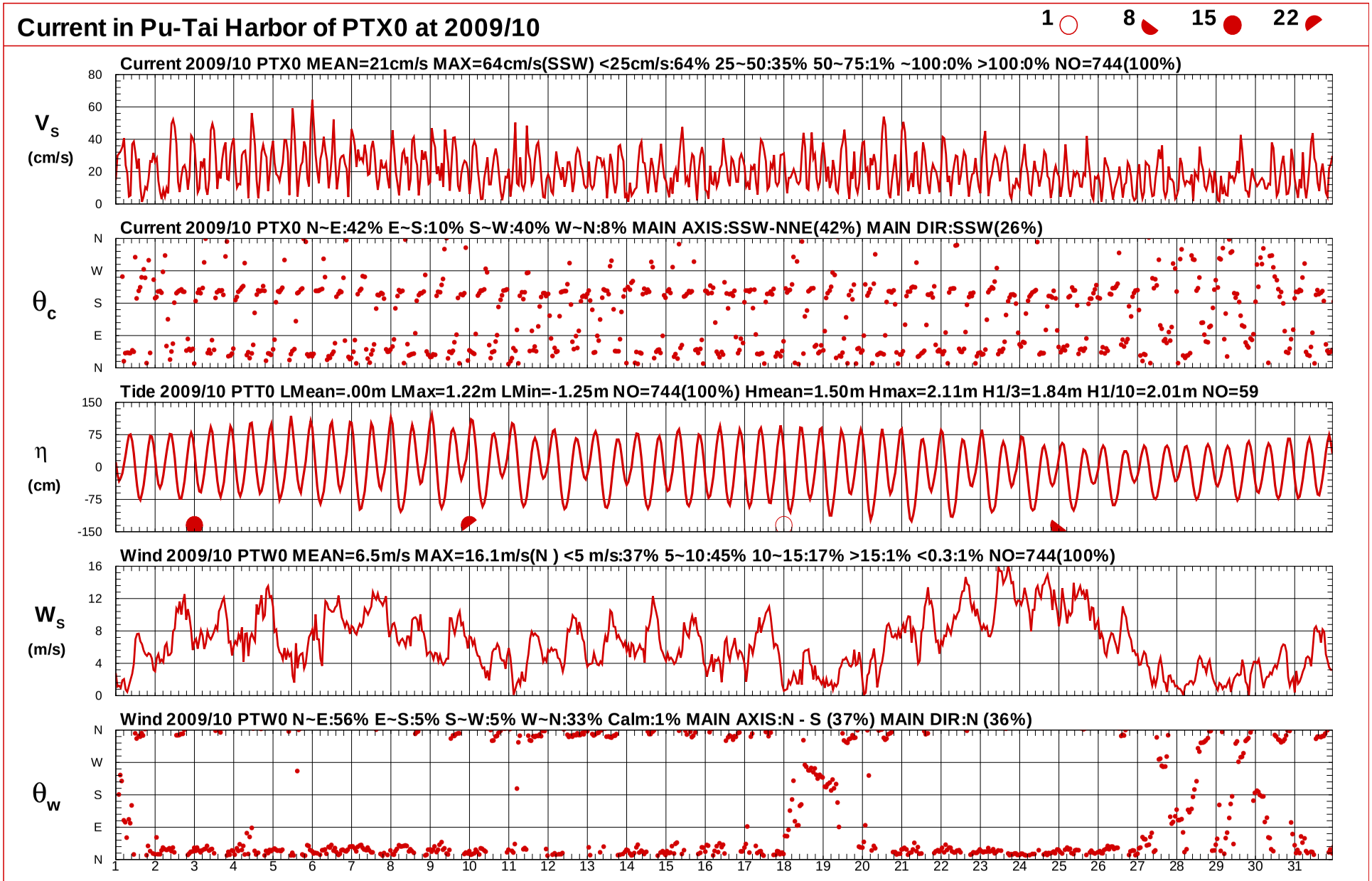


圖 4.8.9 2009年10月布袋港測站 X 海流 (潮位及風) 歷線圖

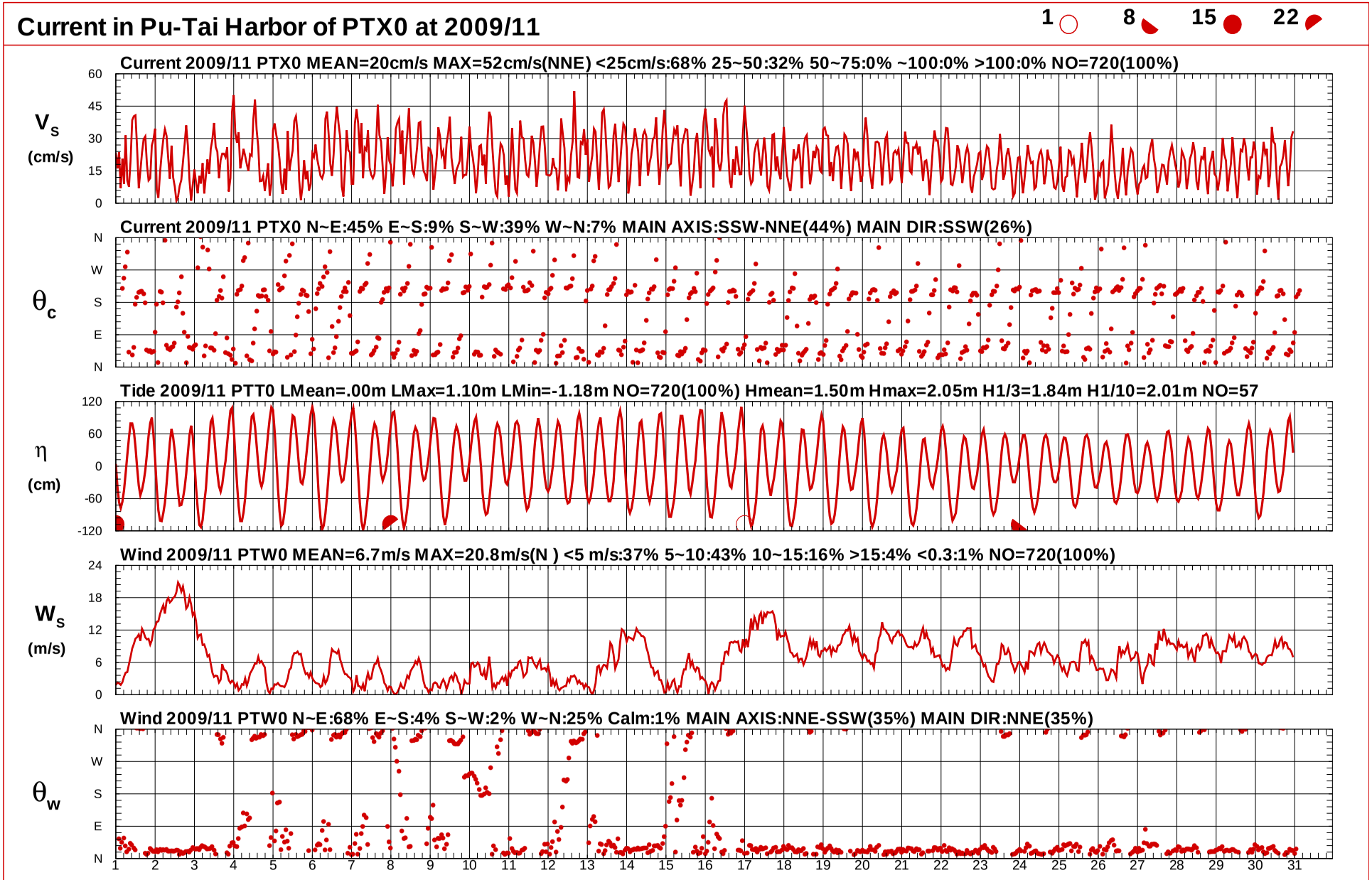


圖 4.8.10 2009年11月布袋港測站 X 海流 (潮位及風) 歷線圖

Current Speed in Pu-Tai Harbor of PTX0 at 2009

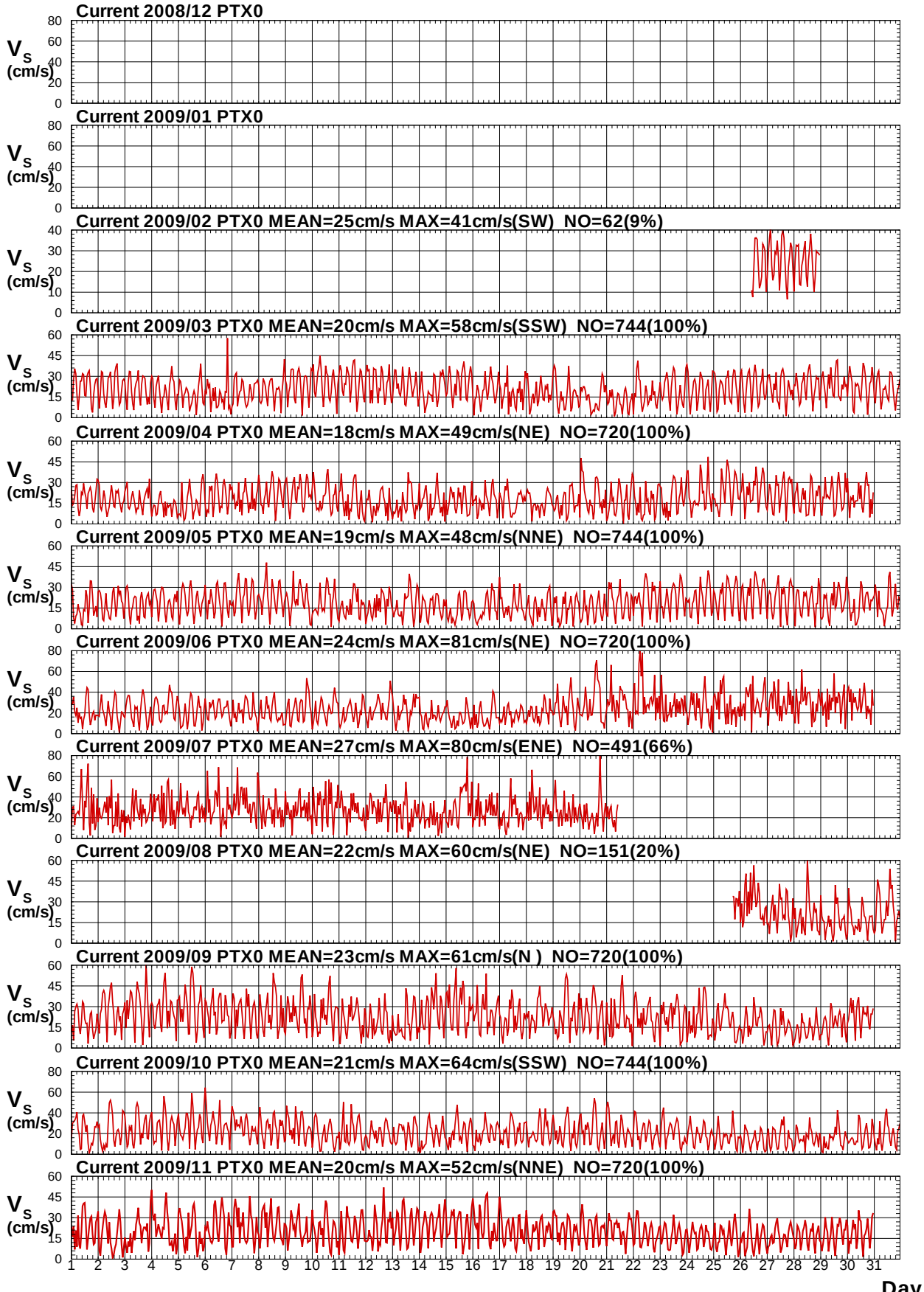


圖 4.8.11　2009年布袋港測站 X 觀測流速歷線圖

C08CPTX0.1HA C091PTX0.1HA C092PTX0.1HA C093PTX0.1HA C094PTX0.1HA C095PTX0.1HA
C096PTX0.1HA C097PTX0.1HA C098PTX0.1HA C099PTX0.1HA C09APTX0.1HA C09BPTX0.1HA

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Current Direction in Pu-Tai Harbor of PTX0 at 2009

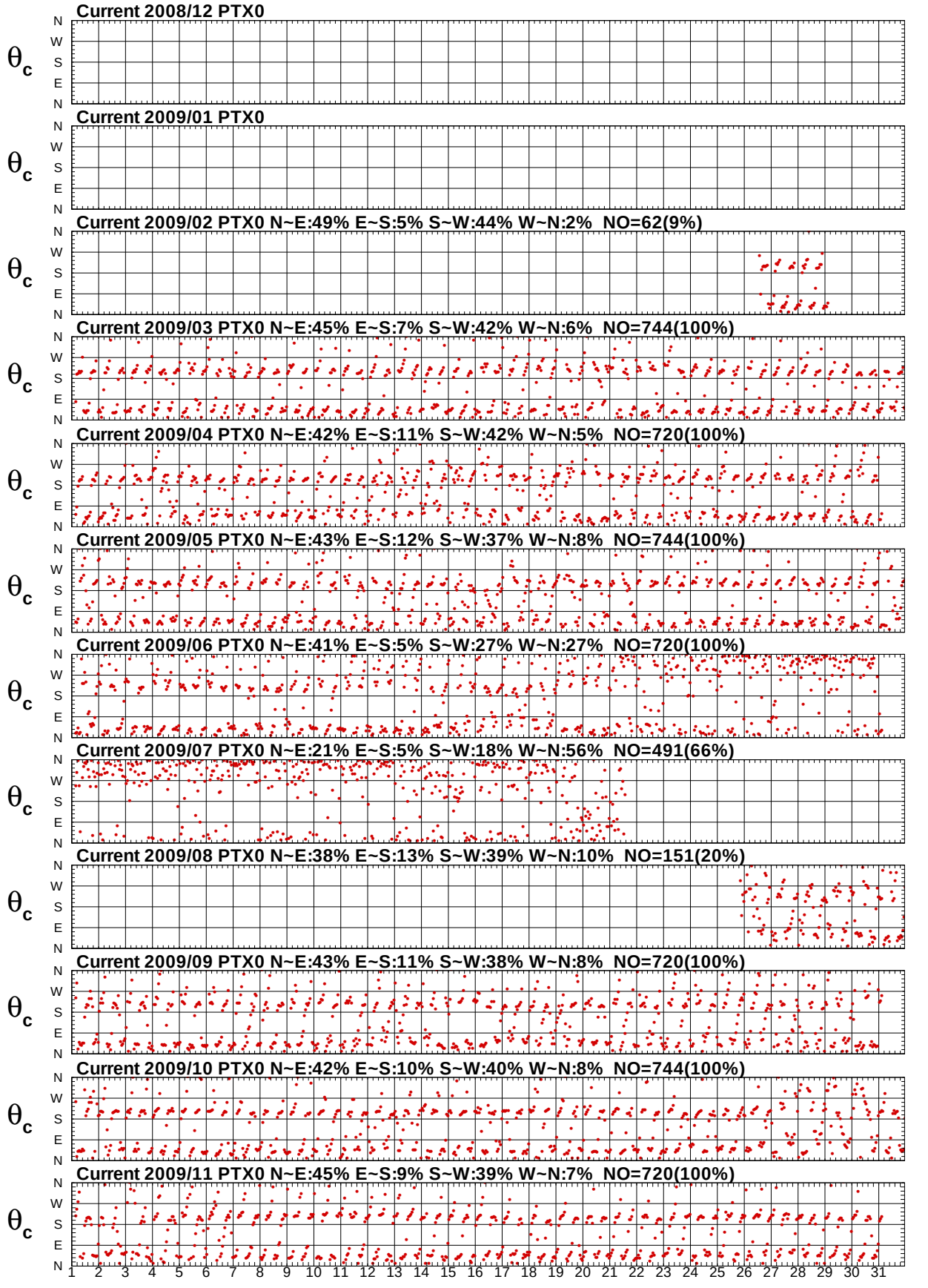


圖4.8.12　2009年布袋港測站 X 觀測流向歷線圖

C08CPTX0.1HA C091PTX0.1HA C092PTX0.1HA C093PTX0.1HA C094PTX0.1HA C095PTX0.1HA
C096PTX0.1HA C097PTX0.1HA C098PTX0.1HA C099PTX0.1HA C09APTX0.1HA C09BPTX0.1HA

Institute of Harbor & Marine Technology

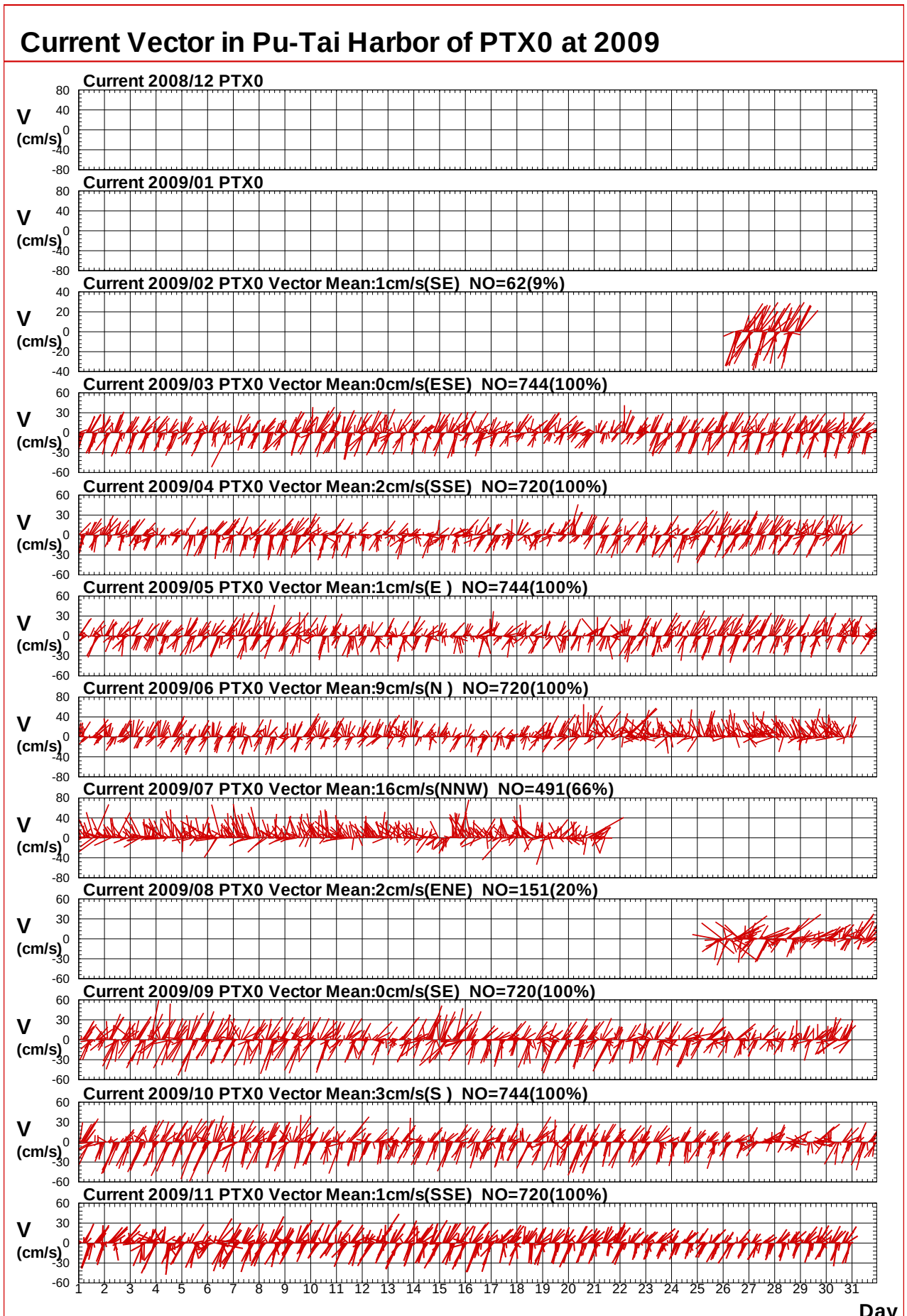


圖4.8.13　2009年布袋港測站 X 觀測流矢圖

C08CPTX0.1HA C091PTX0.1HA C092PTX0.1HA C093PTX0.1HA C094PTX0.1HA C095PTX0.1HA
C096PTX0.1HA C097PTX0.1HA C098PTX0.1HA C099PTX0.1HA C09APTX0.1HA C09BPTX0.1HA

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Current Speed in Pu-Tai Harbor of Cal. at 2009

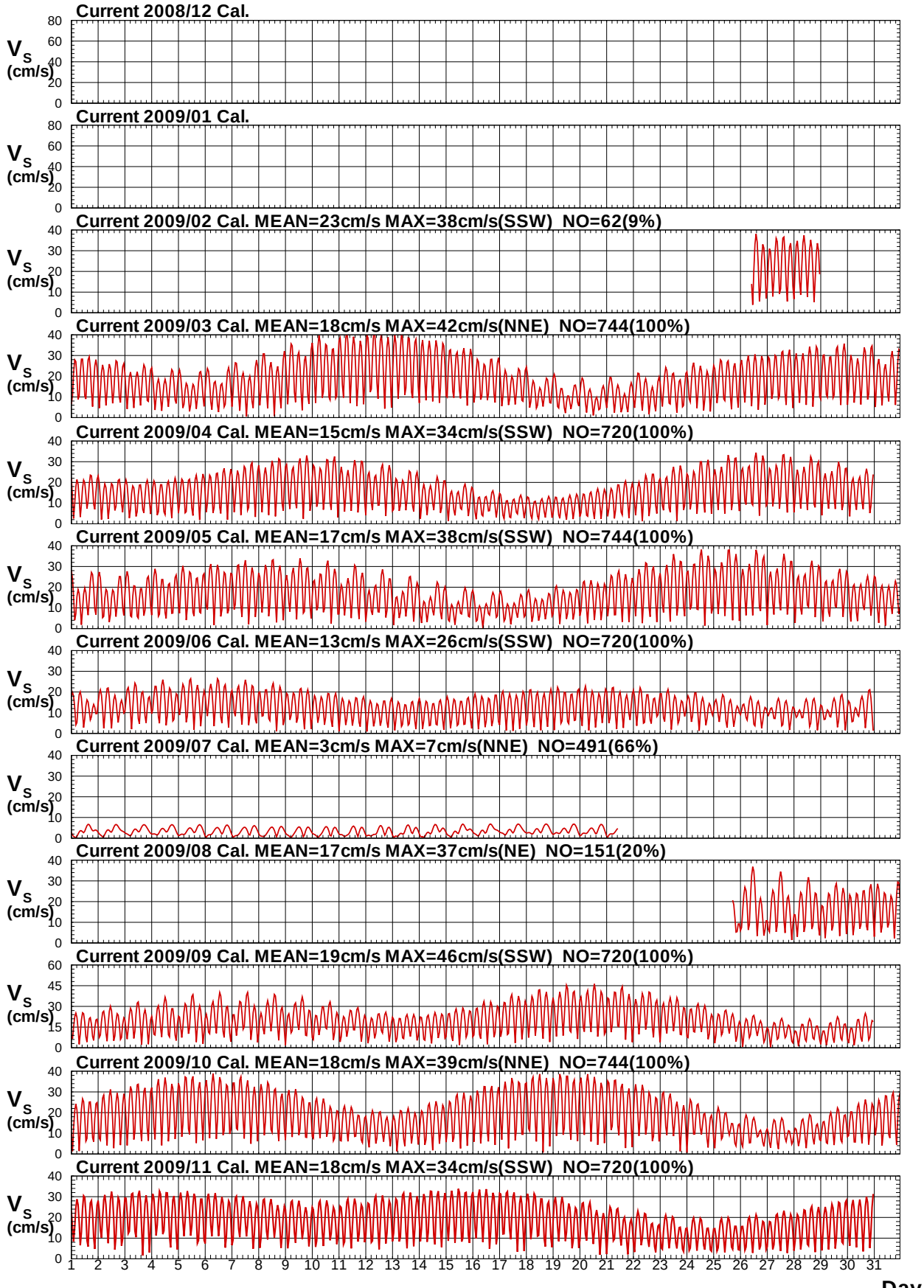


圖 4.8.14　2009年布袋港測站 X 潮流流速歷線圖

C08CPTX0.1HC C091PTX0.1HC C092PTX0.1HC C093PTX0.1HC C094PTX0.1HC C095PTX0.1HC
C096PTX0.1HC C097PTX0.1HC C098PTX0.1HC C099PTX0.1HC C09APTX0.1HC C09BPTX0.1HC

Institute of Harbor & Marine Technology

Current Direction in Pu-Tai Harbor of Cal. at 2009

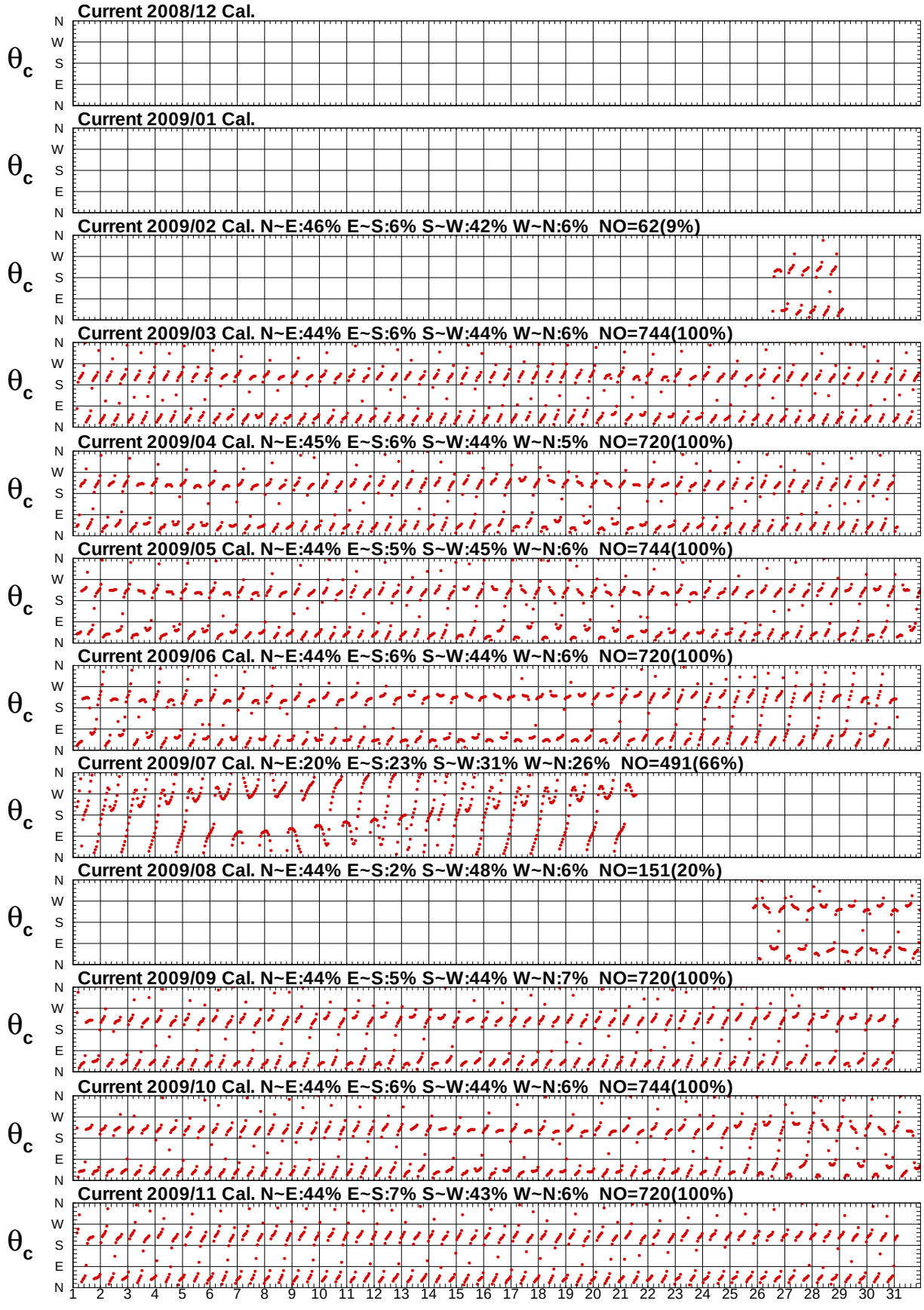


圖4.8.15　2009年布袋港測站 X 潮流流向歷線圖

C08CPTX0.1HC C091PTX0.1HC C092PTX0.1HC C093PTX0.1HC C094PTX0.1HC C095PTX0.1HC
C096PTX0.1HC C097PTX0.1HC C098PTX0.1HC C099PTX0.1HC C09APTX0.1HC C09BPTX0.1HC

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Current Vector in Pu-Tai Harbor of Cal. at 2009

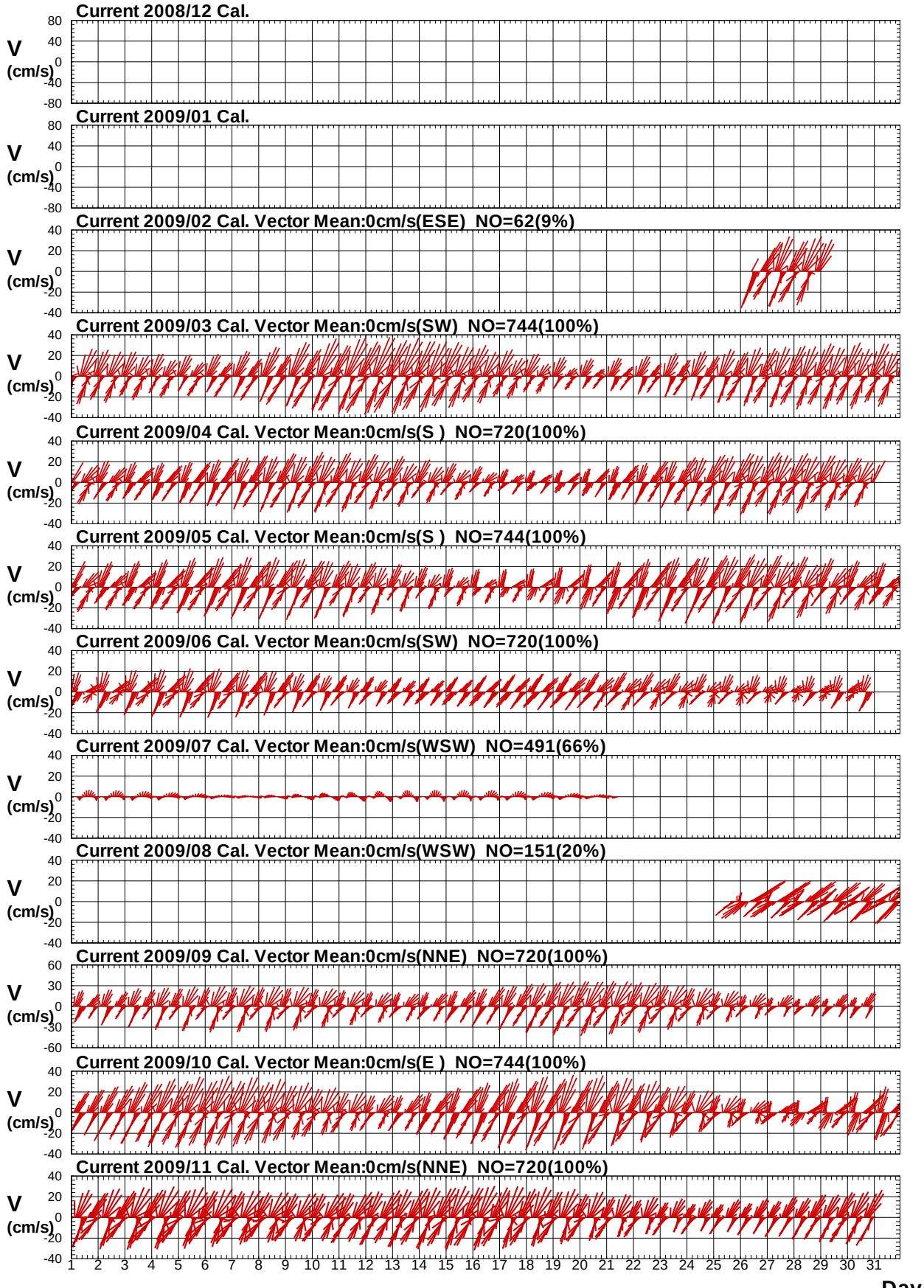


圖4.8.16　2009年布袋港測站 X 潮流流矢圖

C08CPTX0.1HC C091PTX0.1HC C092PTX0.1HC C093PTX0.1HC C094PTX0.1HC C095PTX0.1HC
C096PTX0.1HC C097PTX0.1HC C098PTX0.1HC C099PTX0.1HC C09APTX0.1HC C09BPTX0.1HC

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Current Speed in Pu-Tai Harbor of PTX0 at 2009

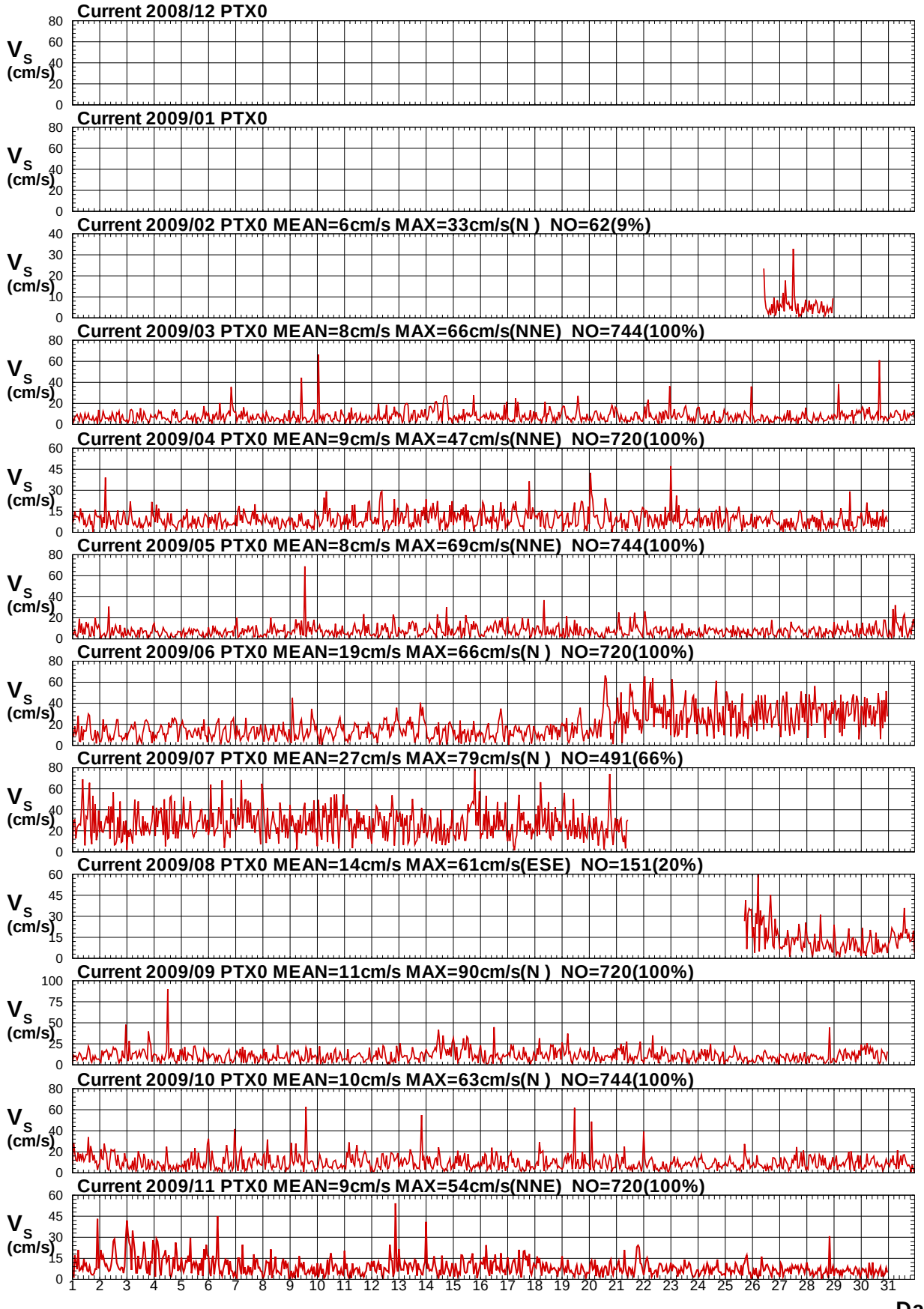


圖 4.8.17　2009年布袋港測站 X 非潮流速歷線圖

C08CPTX0.1HR C091PTX0.1HR C092PTX0.1HR C093PTX0.1HR C094PTX0.1HR C095PTX0.1HR
C096PTX0.1HR C097PTX0.1HR C098PTX0.1HR C099PTX0.1HR C09APTX0.1HR C09BPTX0.1HR

Institute of Harbor & Marine Technology

Current Direction in Pu-Tai Harbor of PTX0 at 2009

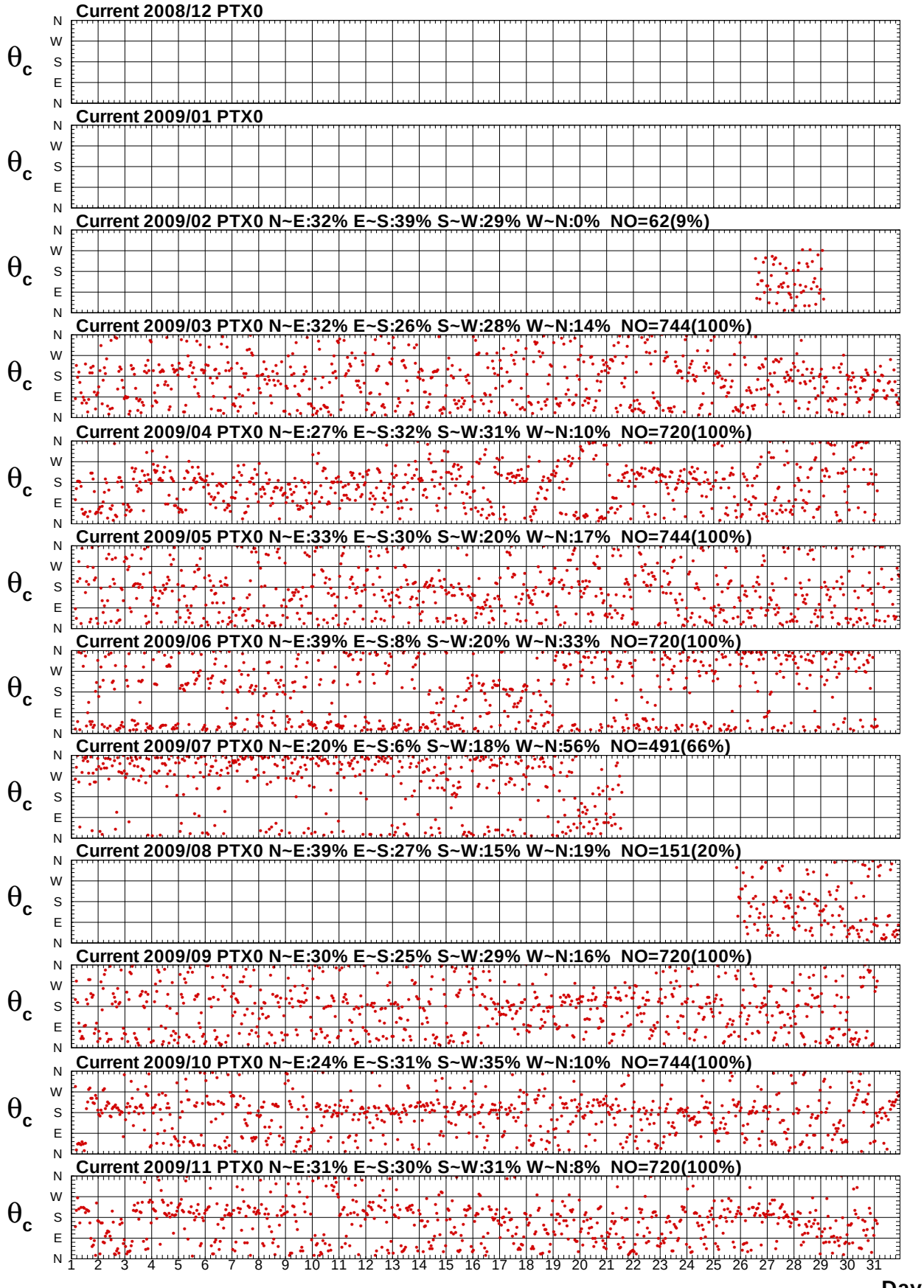


圖4.8.18　2009年布袋港測站 X 非潮流向歷線圖

C08CPTX0.1HR C091PTX0.1HR C092PTX0.1HR C093PTX0.1HR C094PTX0.1HR C095PTX0.1HR
C096PTX0.1HR C097PTX0.1HR C098PTX0.1HR C099PTX0.1HR C09APTX0.1HR C09BPTX0.1HR

Institute of Harbor & Marine Technology

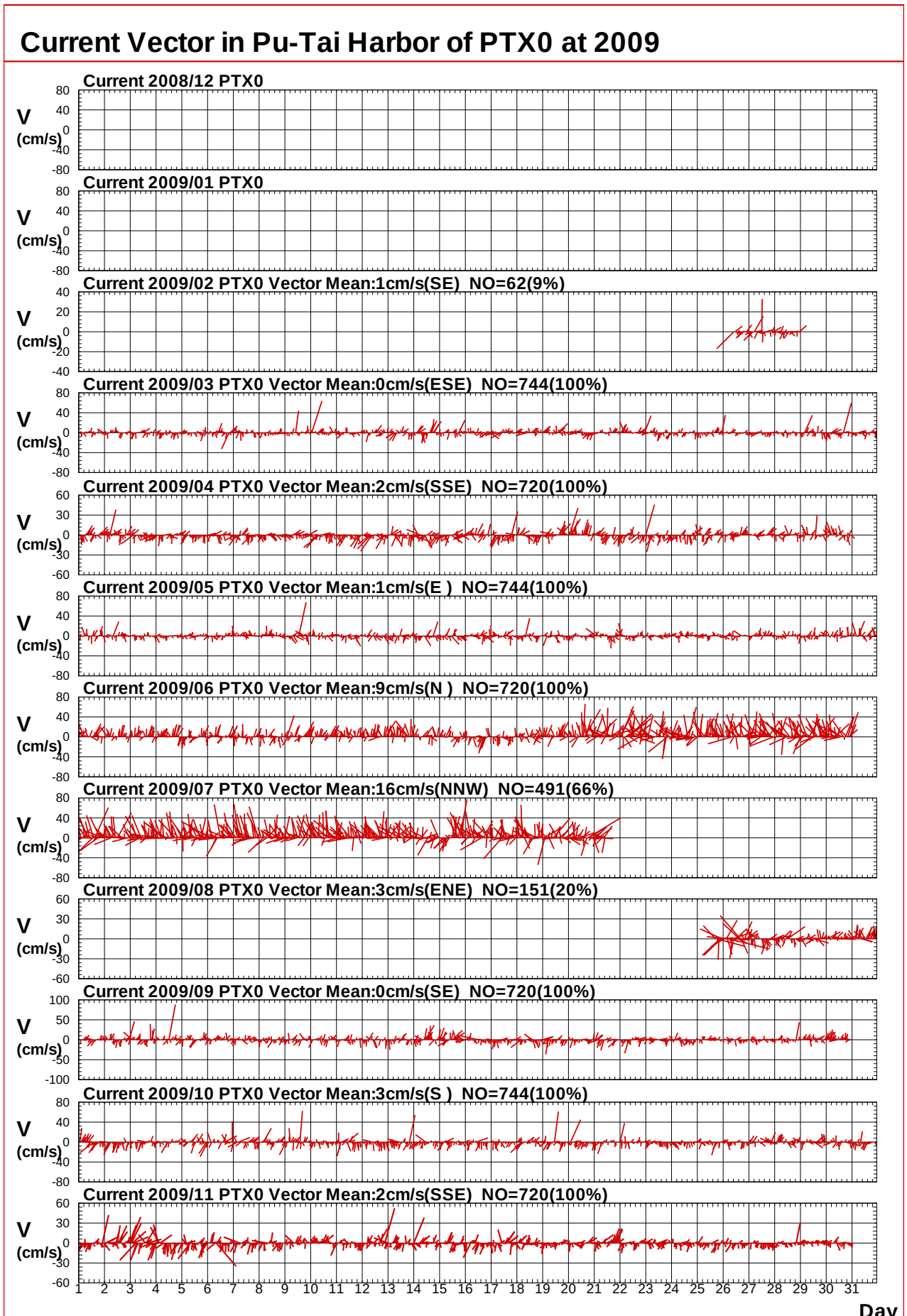


圖4.8.19　2009年布袋港測站 X 非潮流矢圖

C08CPTX0.1HR C091PTX0.1HR C092PTX0.1HR C093PTX0.1HR C094PTX0.1HR C095PTX0.1HR
C096PTX0.1HR C097PTX0.1HR C098PTX0.1HR C099PTX0.1HR C09APTX0.1HR C09BPTX0.1HR

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Current Speed in Pu-Tai Harbor of PTX0 at 2009

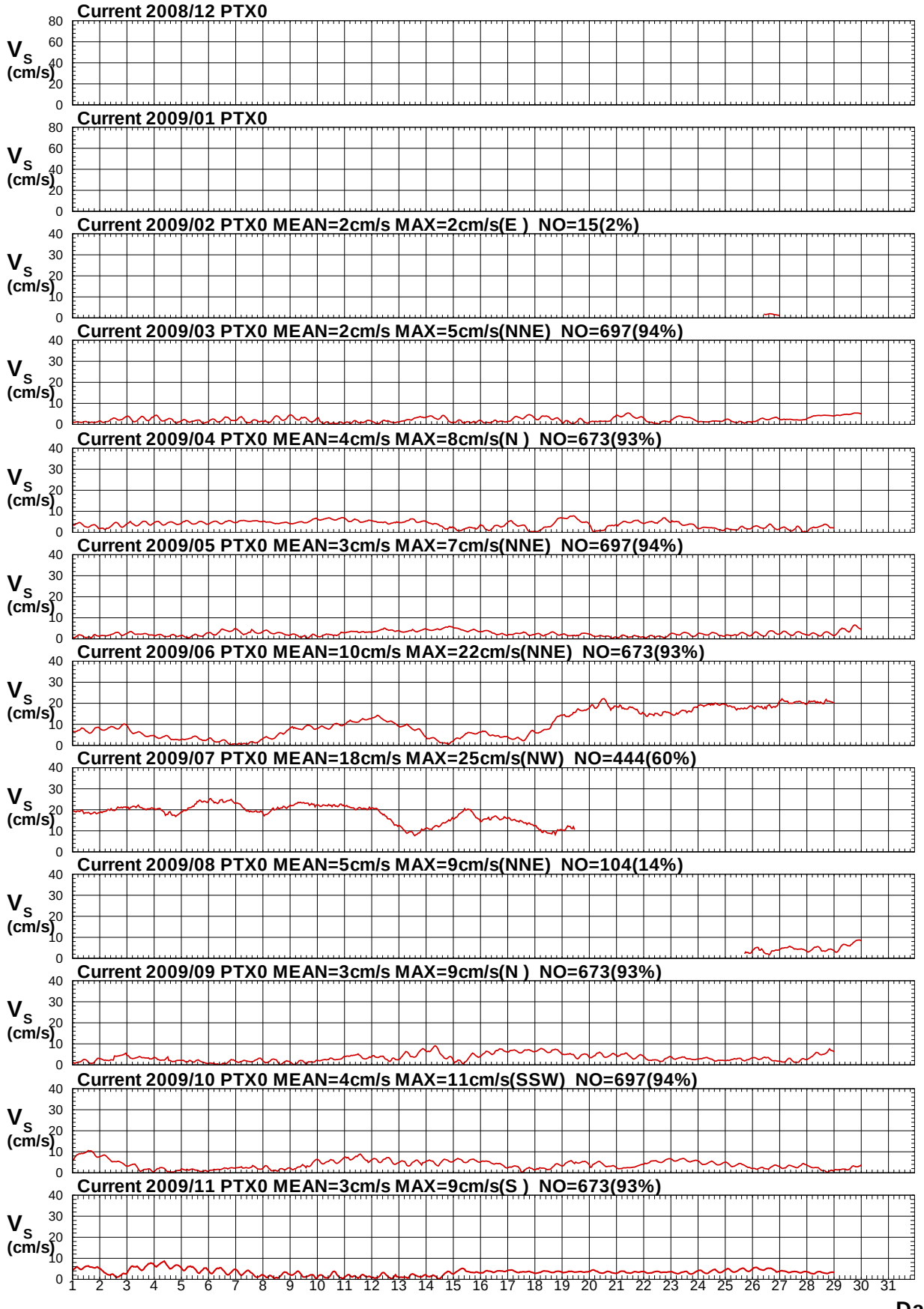


圖 4.8.20　2009年布袋港 X 站48時平均流速歷線圖

C08CPTX0.48H C091PTX0.48H C092PTX0.48H C093PTX0.48H C094PTX0.48H C095PTX0.48H
C096PTX0.48H C097PTX0.48H C098PTX0.48H C099PTX0.48H C09APTX0.48H C09BPTX0.48H

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Current Direction in Pu-Tai Harbor of PTX0 at 2009

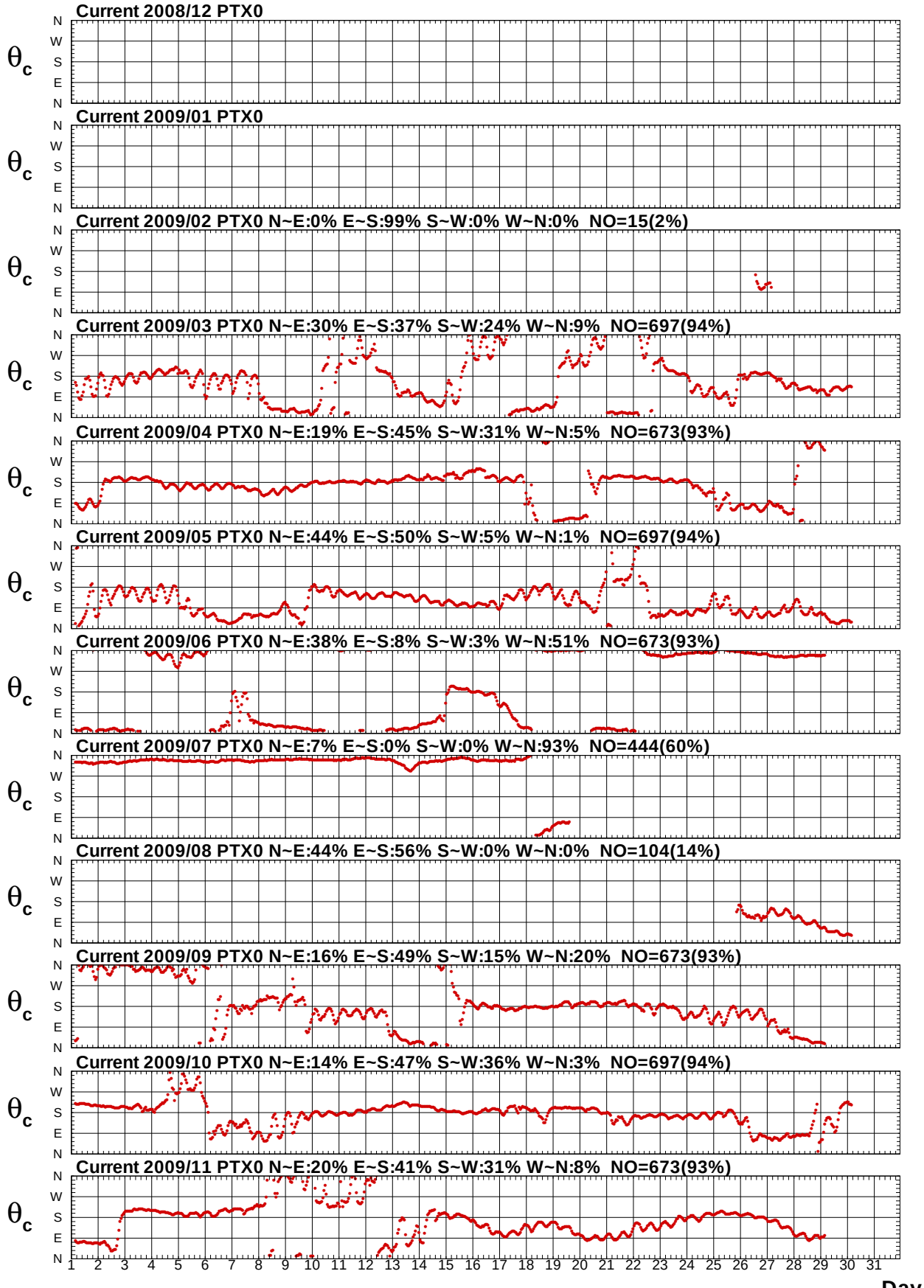


圖 4.8.21　2009年布袋港 X 站48時平均流向歷線圖

C08CPTX0.48H C091PTX0.48H C092PTX0.48H C093PTX0.48H C094PTX0.48H C095PTX0.48H
C096PTX0.48H C097PTX0.48H C098PTX0.48H C099PTX0.48H C09APTX0.48H C09BPTX0.48H

Institute of Harbor & Marine Technology

Current Vector in Pu-Tai Harbor of PTX0 at 2009

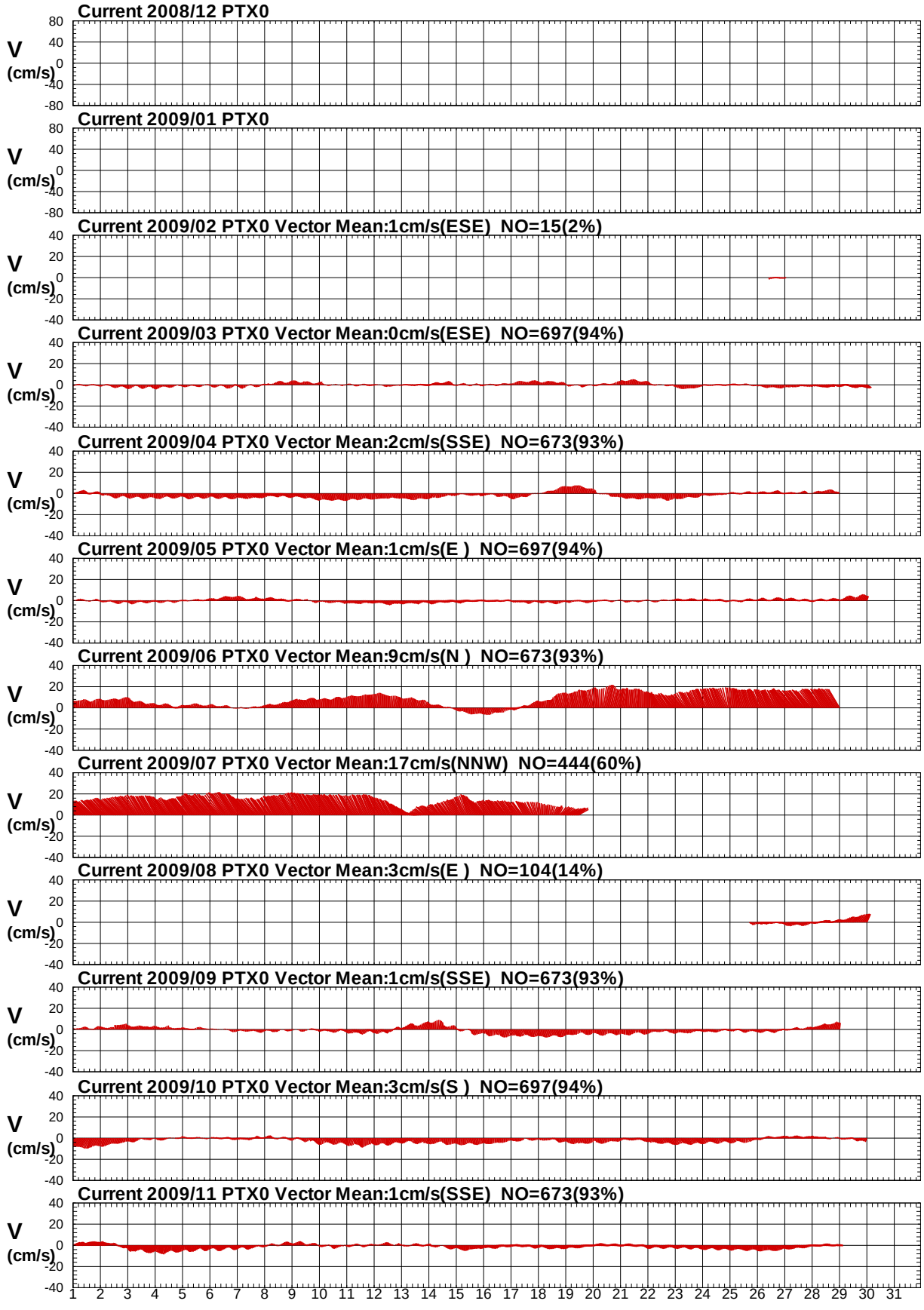


圖 4.8.22　2009年布袋港 X 站48時平均流矢圖

C08CPTX0.48H C091PTX0.48H C092PTX0.48H C093PTX0.48H C094PTX0.48H C095PTX0.48H
C096PTX0.48H C097PTX0.48H C098PTX0.48H C099PTX0.48H C09APTX0.48H C09BPTX0.48H

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4.9　2009年8個商港逐時海流月歷線比較圖

(8個商港逐時觀測海流歷線比較圖)

(8個商港逐時純潮流歷線比較圖)

(8個商港逐時非潮流歷線比較圖)

(8個商港48時向量平均海流歷線比較圖)

Eight Harbors Current Speed at 2008/12

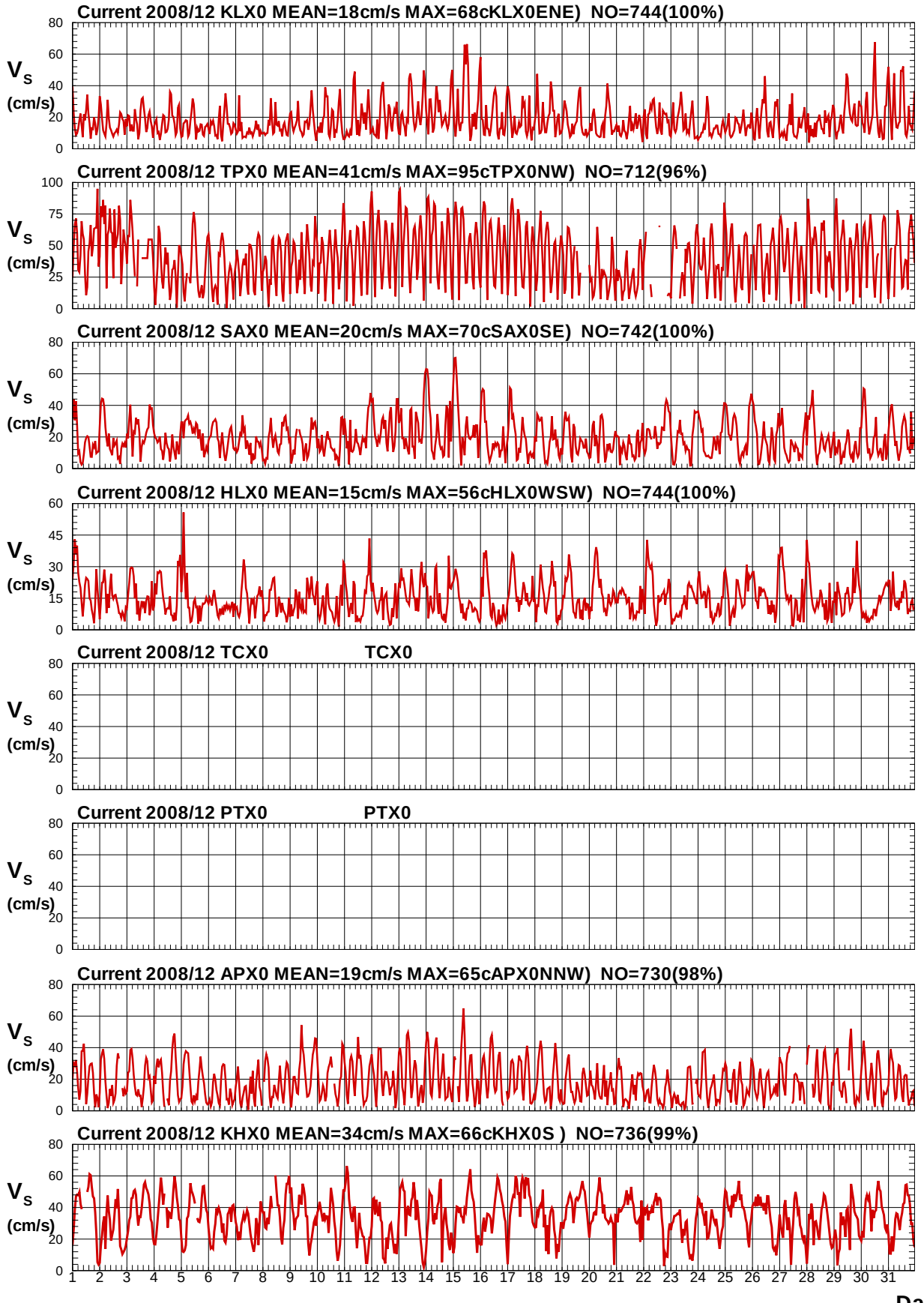


圖 4.9.1　2008年12月8商港 觀測流速歷線圖

C08CKLX0.1HA C08CTPX0.1HA C08CSAX0.1HA C08CHLX0.1HA C08CTCX0.1HA C08CPTX0.1HA
C08CAPX0.1HA C08CKHX0.1HA

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Eight Harbors Current Direction at 2008/12

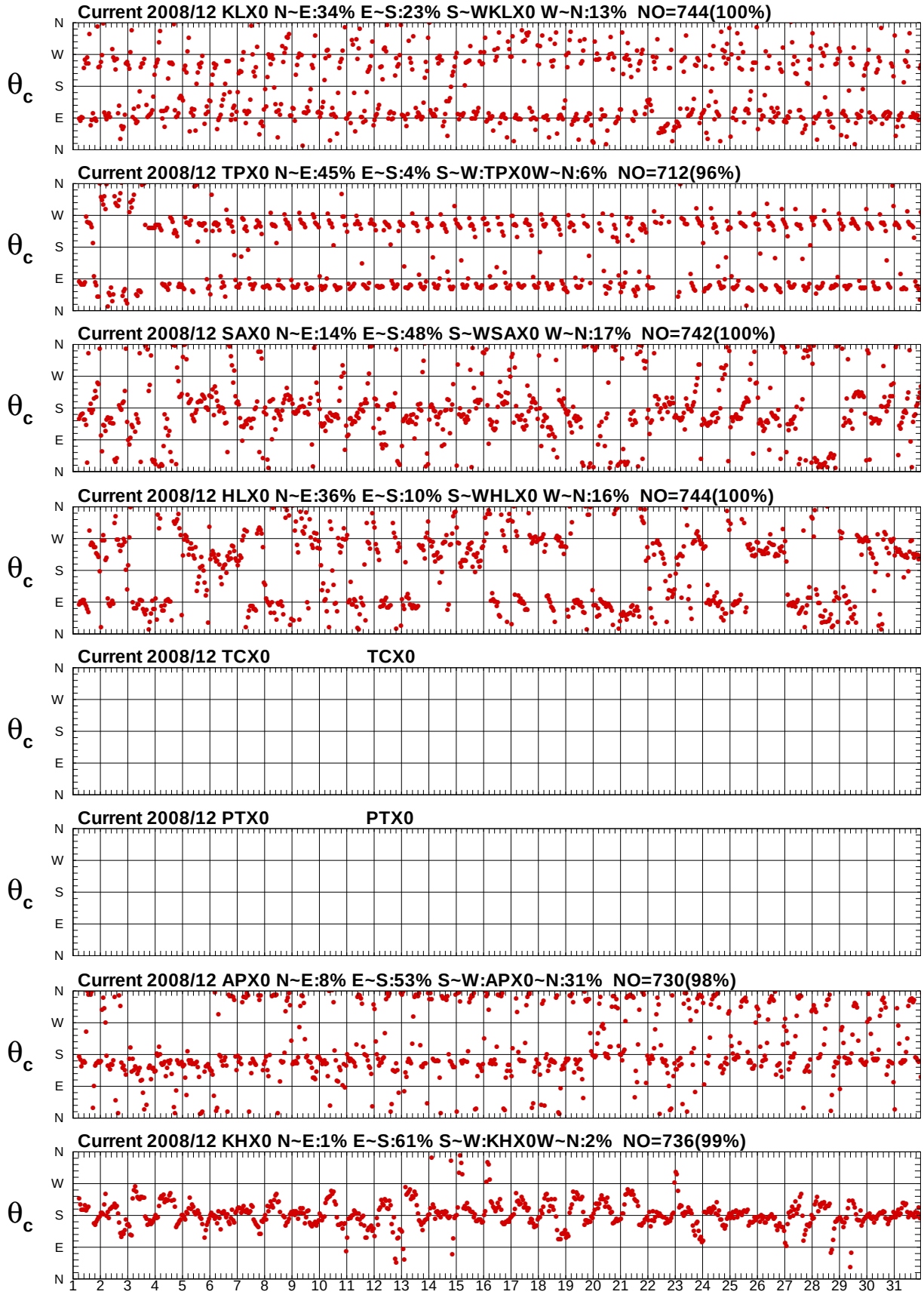


圖 4.9.2　2008年12月8商港 觀測流向歷線圖

C08CKLX0.1HA C08CTPX0.1HA C08CSAX0.1HA C08CHLX0.1HA C08CTCX0.1HA C08CPTX0.1HA C08CAPX0.1HA C08CKHX0.1HA

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Eight Harbors Current Vector at 2008/12

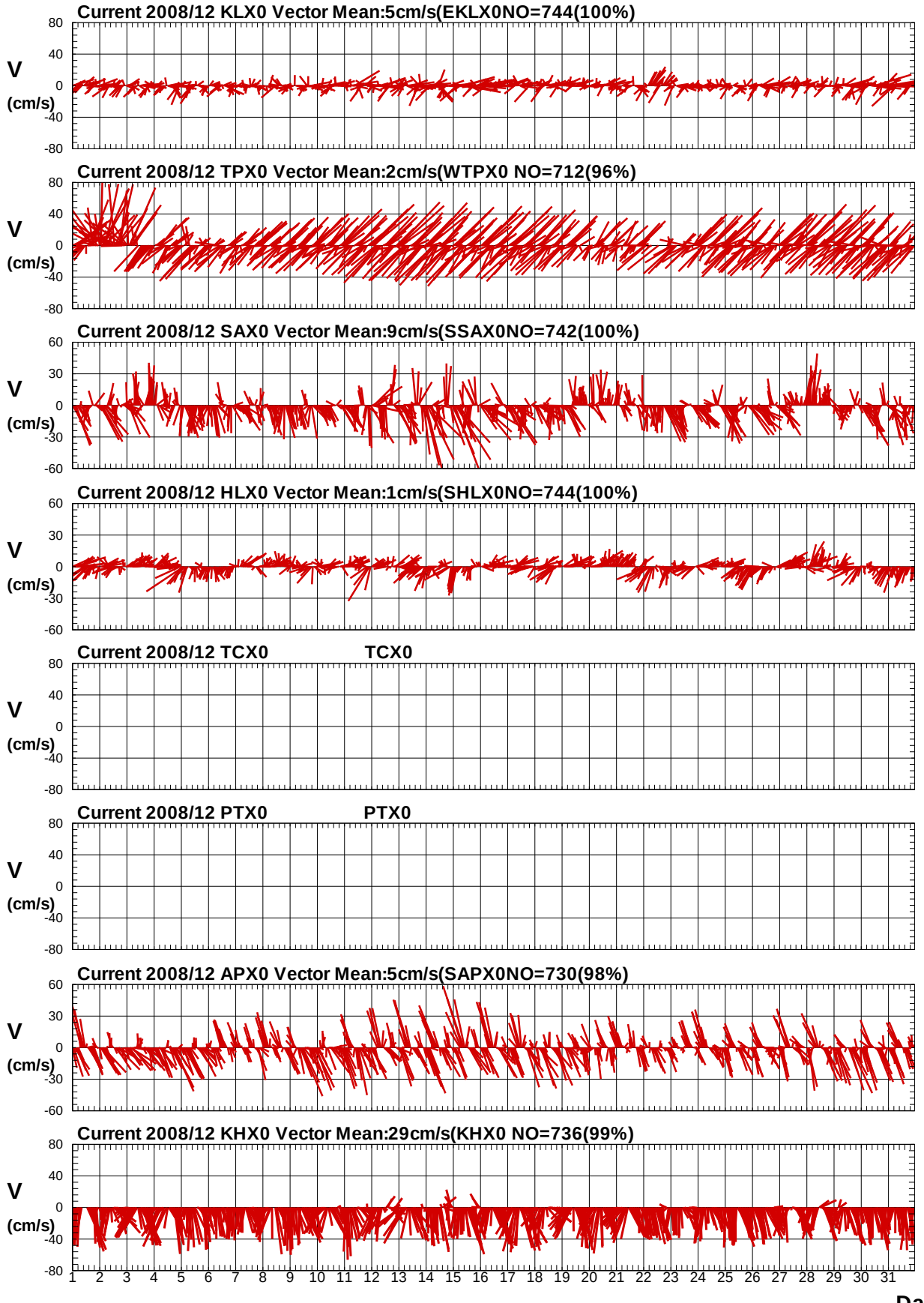


圖 4.9.3　2008年12月8商港 觀測流矢圖

C08CKLX0.1HA C08CTPX0.1HA C08CSAX0.1HA C08CHLX0.1HA C08CTCX0.1HA C08CPTX0.1HA
C08CAPX0.1HA C08CKHX0.1HA

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2008/12

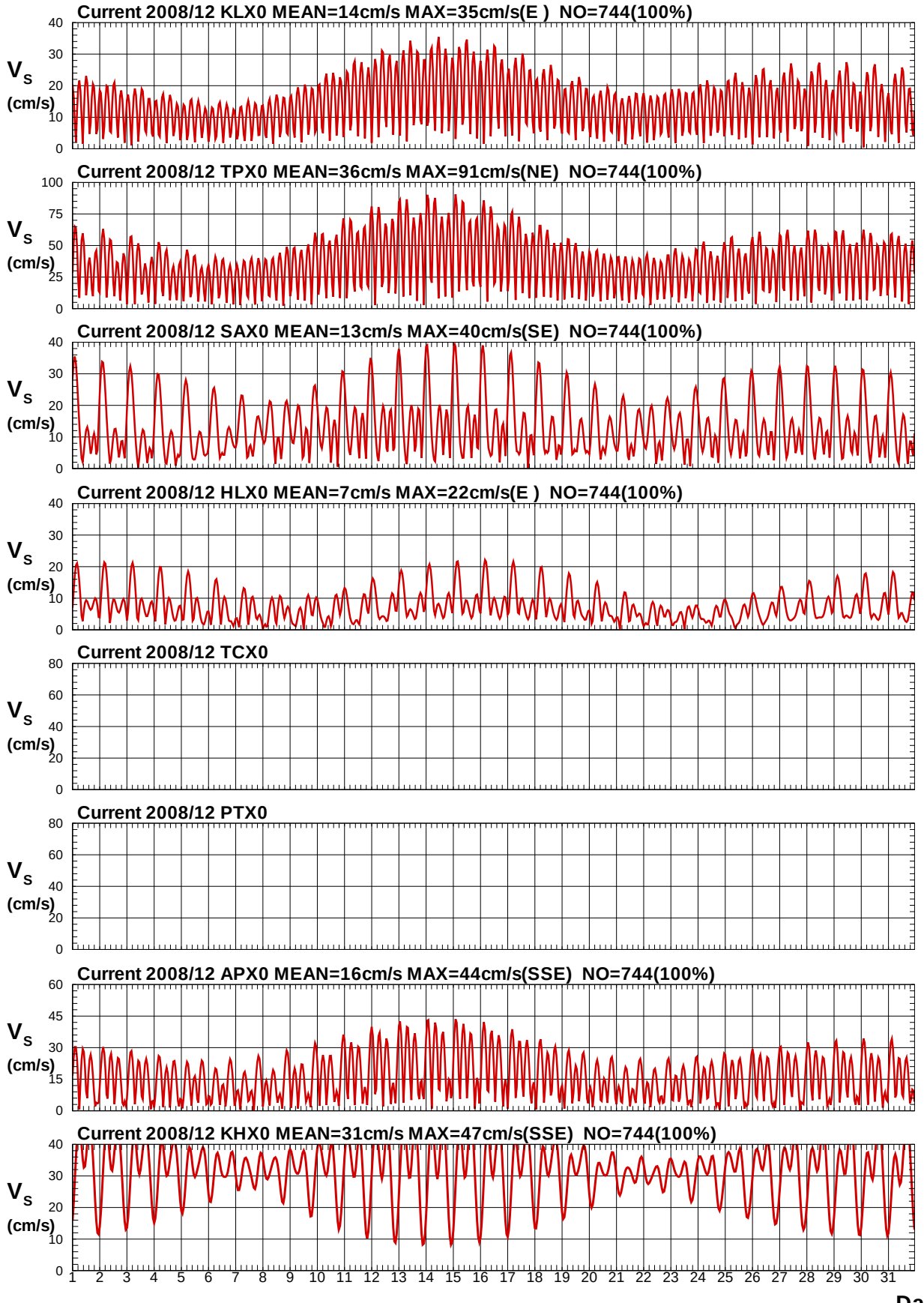


圖 4.9.4　2008年12月8商港 潮流流速歷線圖

C08CKLX0.1HC C08CTPX0.1HC C08CSAX0.1HC C08CHLX0.1HC C08CTCX0.1HC C08CPTX0.1HC
C08CAPX0.1HC C08CKHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2008/12

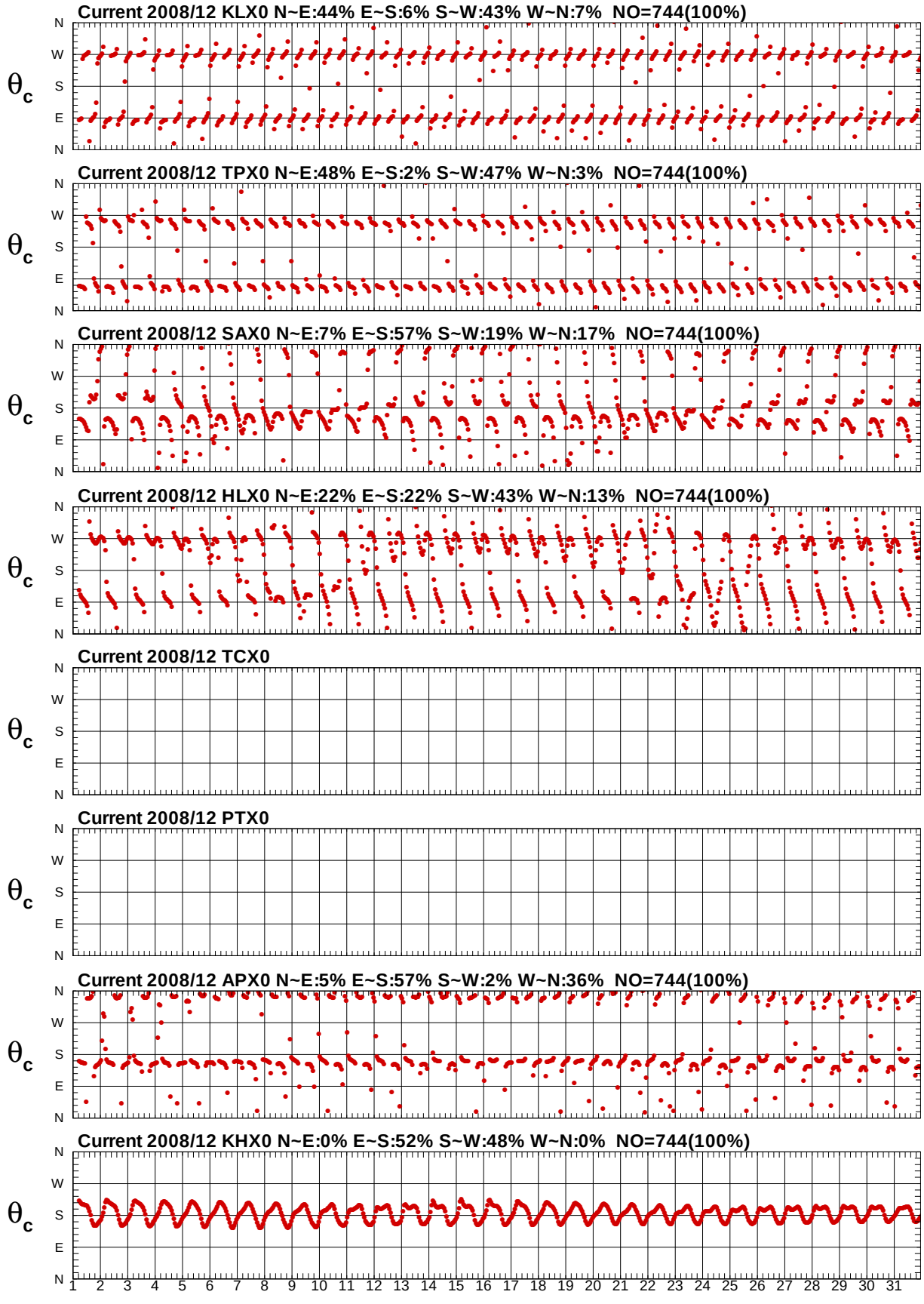


圖 4.9.5　2008年12月8商港 潮流流向歷線圖

C08CKLX0.1HC C08CTPX0.1HC C08CSAX0.1HC C08CHLX0.1HC C08CTCX0.1HC C08CPTX0.1HC
C08CAPX0.1HC C08CKHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2008/12

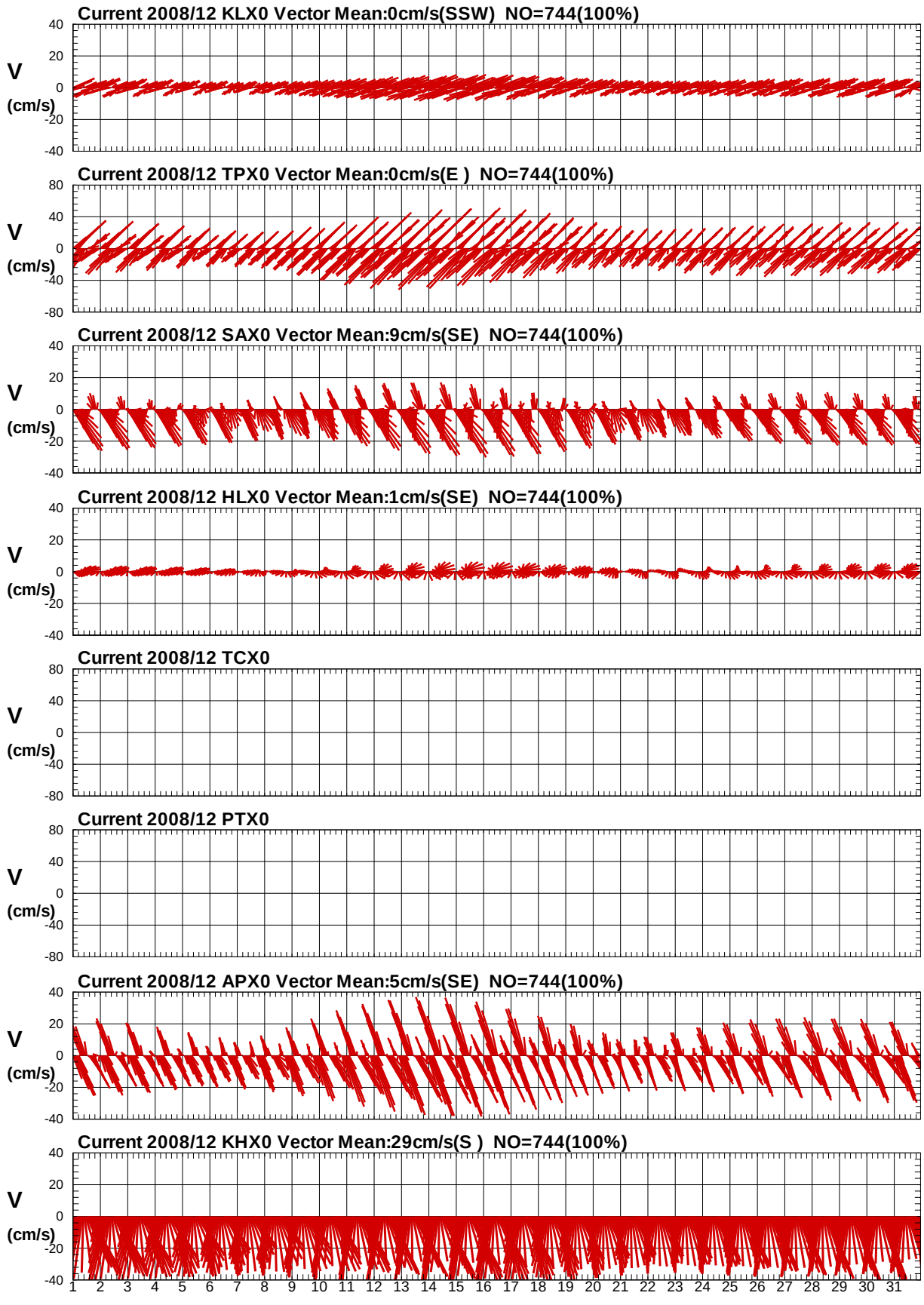


圖4.9.6　2008年12月8商港 潮流流矢圖

C08CKLX0.1HC C08CTPX0.1HC C08CSAX0.1HC C08CHLX0.1HC C08CTCX0.1HC C08CPTX0.1HC
C08CAPX0.1HC C08CKHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2008/12

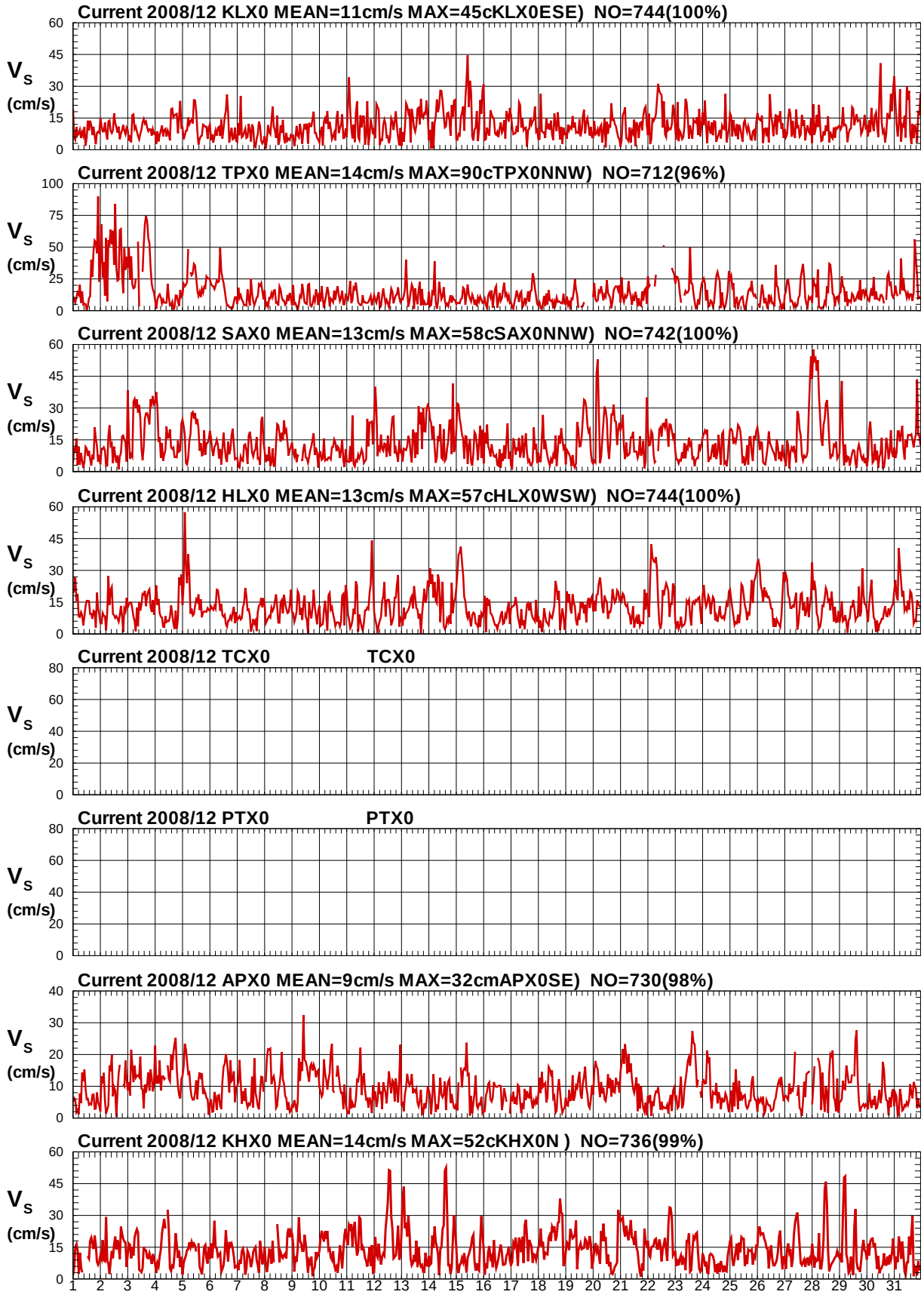


圖 4.9.7　2008年12月8商港 非潮流速歷線圖

C08CKLX0.1HR C08CTPX0.1HR C08CSAX0.1HR C08CHLX0.1HR C08CTCX0.1HR C08CPTX0.1HR
C08CAPX0.1HR C08CKHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2008/12

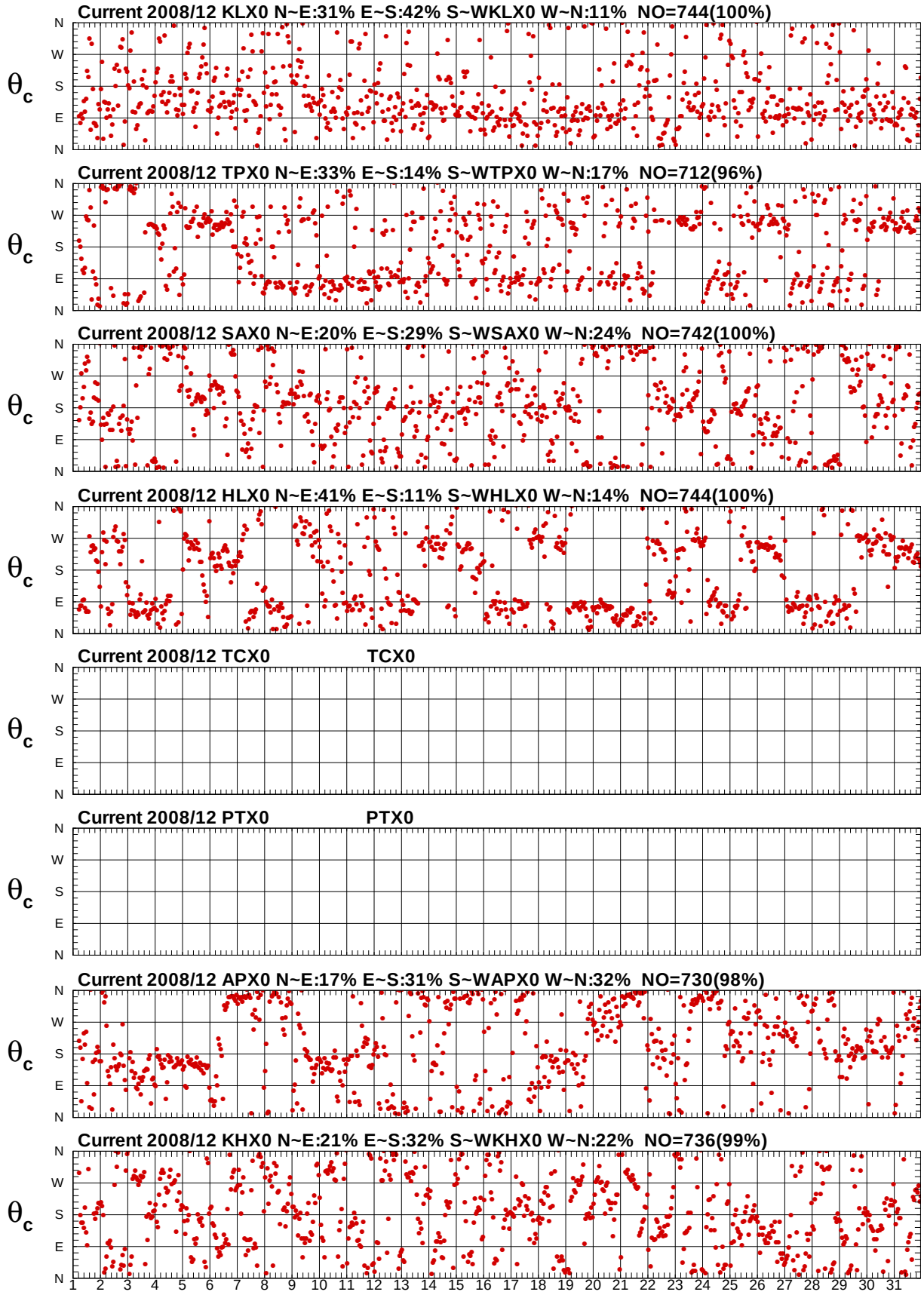


圖 4.9.8　2008年12月8商港 非潮流向歷線圖

C08CKLX0.1HR C08CTPX0.1HR C08CSAX0.1HR C08CHLX0.1HR C08CTCX0.1HR C08CPTX0.1HR
C08CAPX0.1HR C08CKHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2008/12

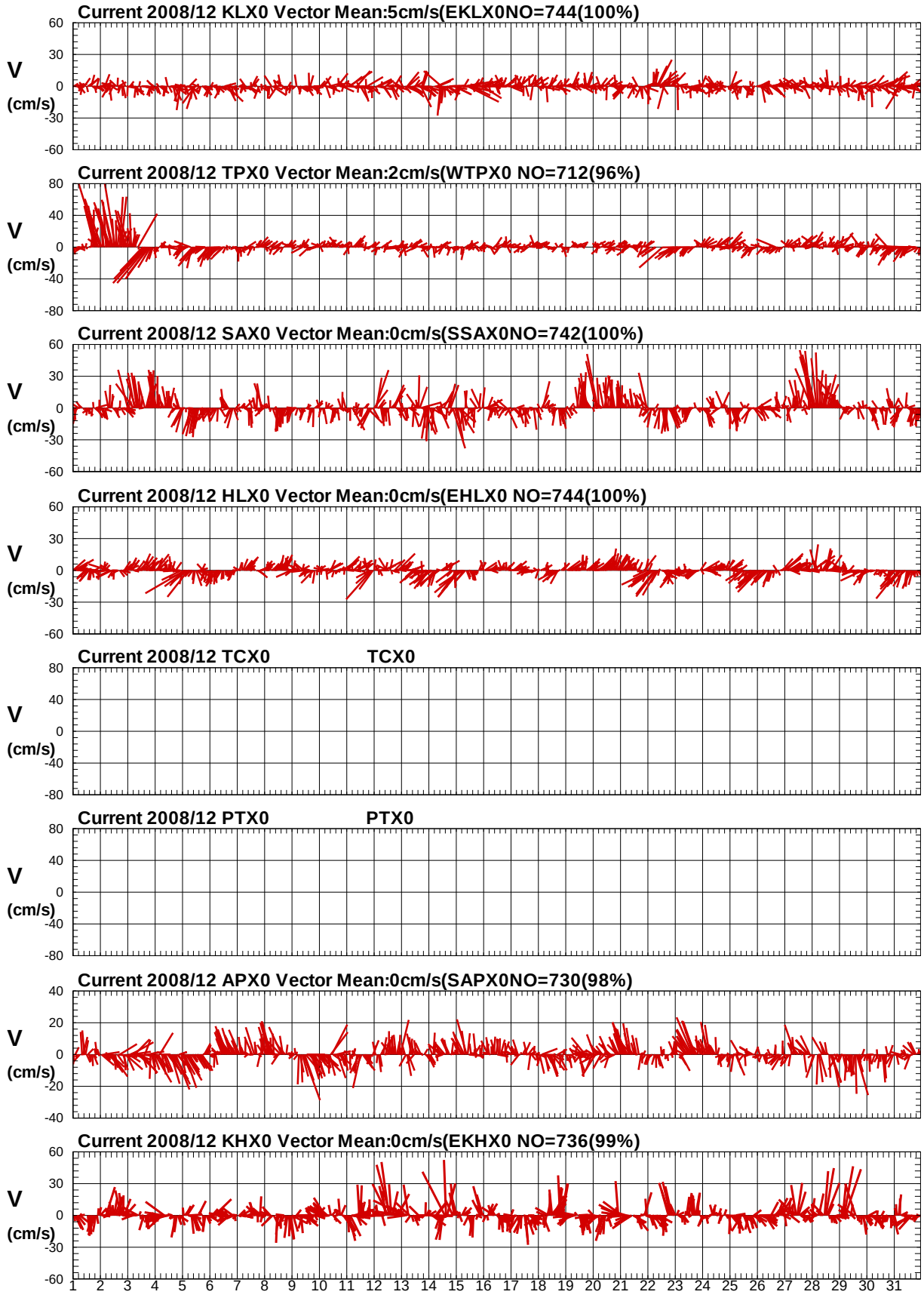


圖 4.9.9　2008年12月8商港 非潮流矢圖

C08CKLX0.1HR C08CTPX0.1HR C08CSAX0.1HR C08CHLX0.1HR C08CTCX0.1HR C08CPTX0.1HR
C08CAPX0.1HR C08CKHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2008/12

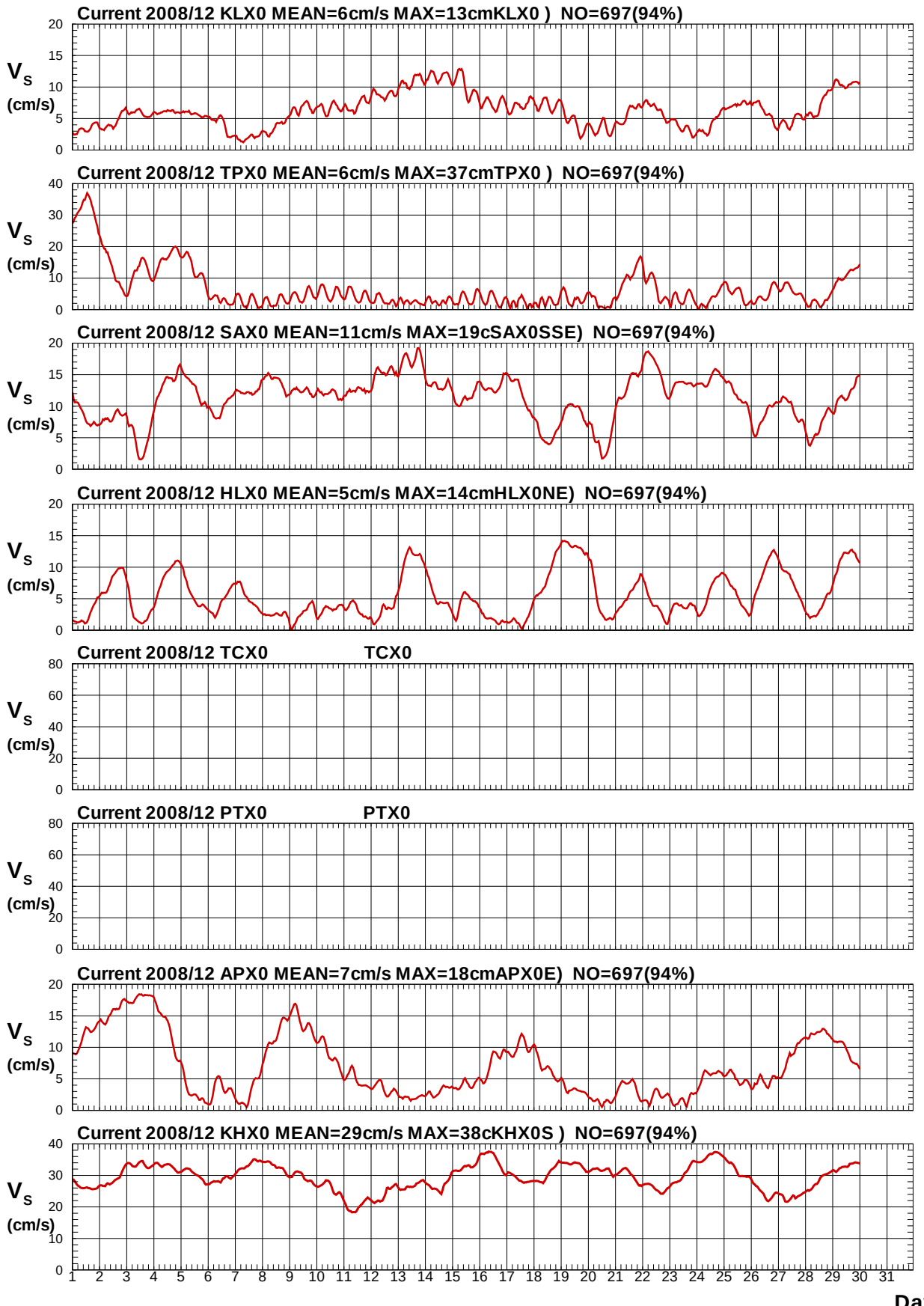


圖 4.9.10　2008年12月8商港 48時平均流速歷線圖

C08CKLX0.48H C08CTPX0.48H C08CSAX0.48H C08CHLX0.48H C08CTCX0.48H C08CPTX0.48H
C08CAPX0.48H C08CKHX0.48H

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Eight Harbors Current Direction at 2008/12

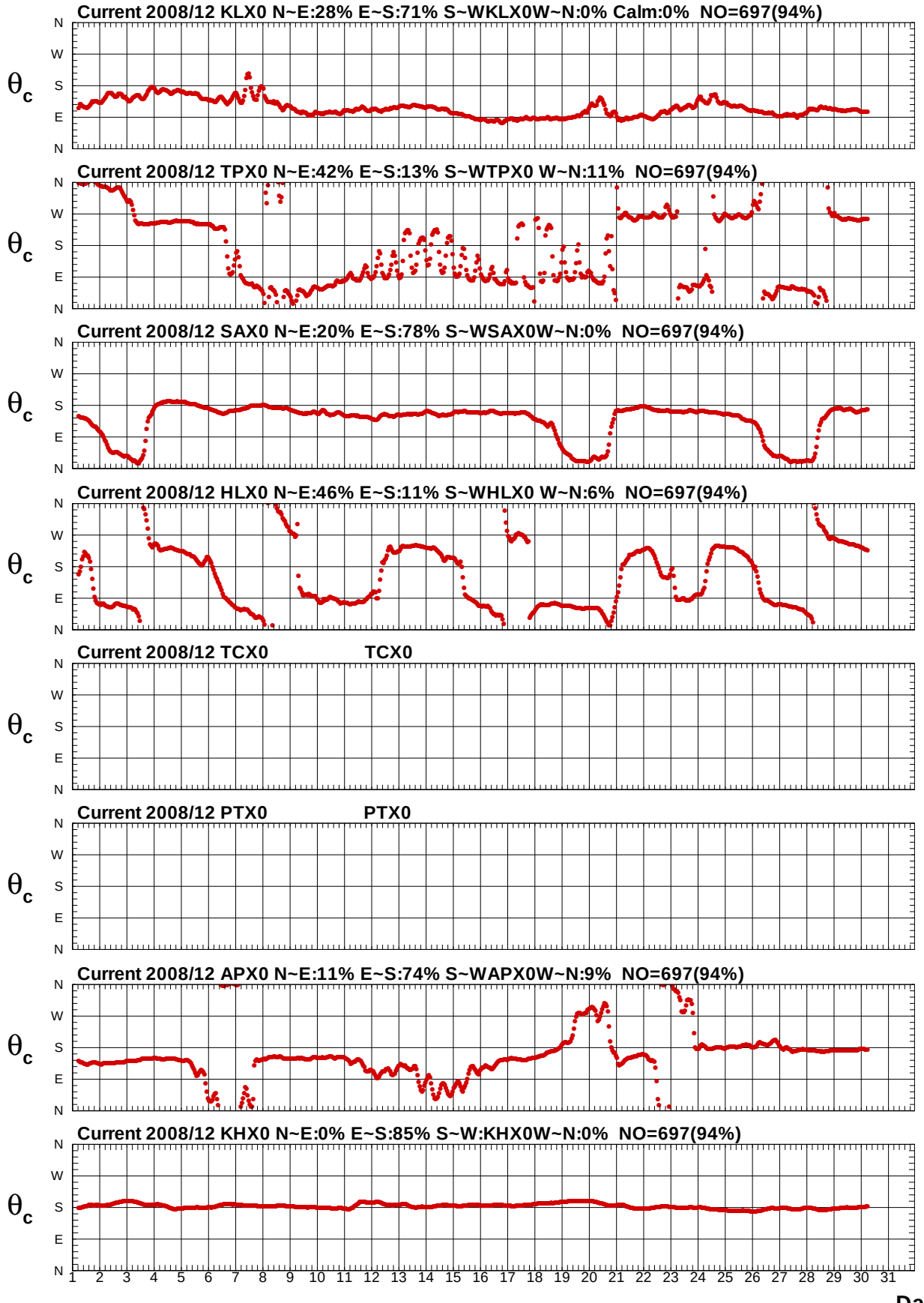


圖 4.9.11　2008年12月8商港 48時平均流向歷線圖

C08CKLX0.48H C08CTPX0.48H C08CSAX0.48H C08CHLX0.48H C08CTCX0.48H C08CPTX0.48H
C08CAPX0.48H C08CKHX0.48H

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Eight Harbors Current Vector at 2008/12

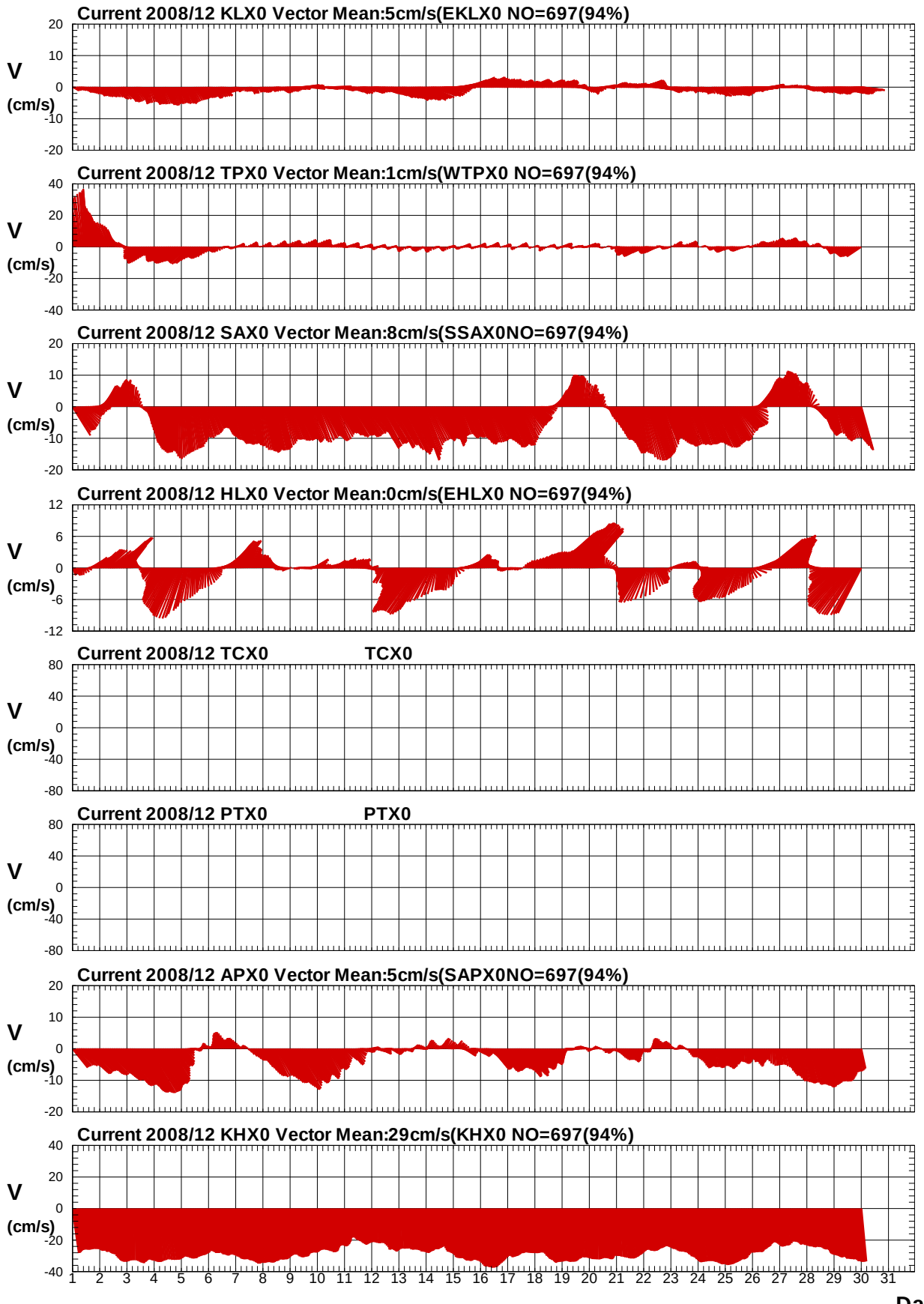


圖4.9.12　2008年12月8商港 48時平均流矢圖

C08CKLX0.48H C08CTPX0.48H C08CSAX0.48H C08CHLX0.48H C08CTCX0.48H C08CPTX0.48H
C08CAPX0.48H C08CKHX0.48H

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Eight Harbors Current Speed at 2009/01

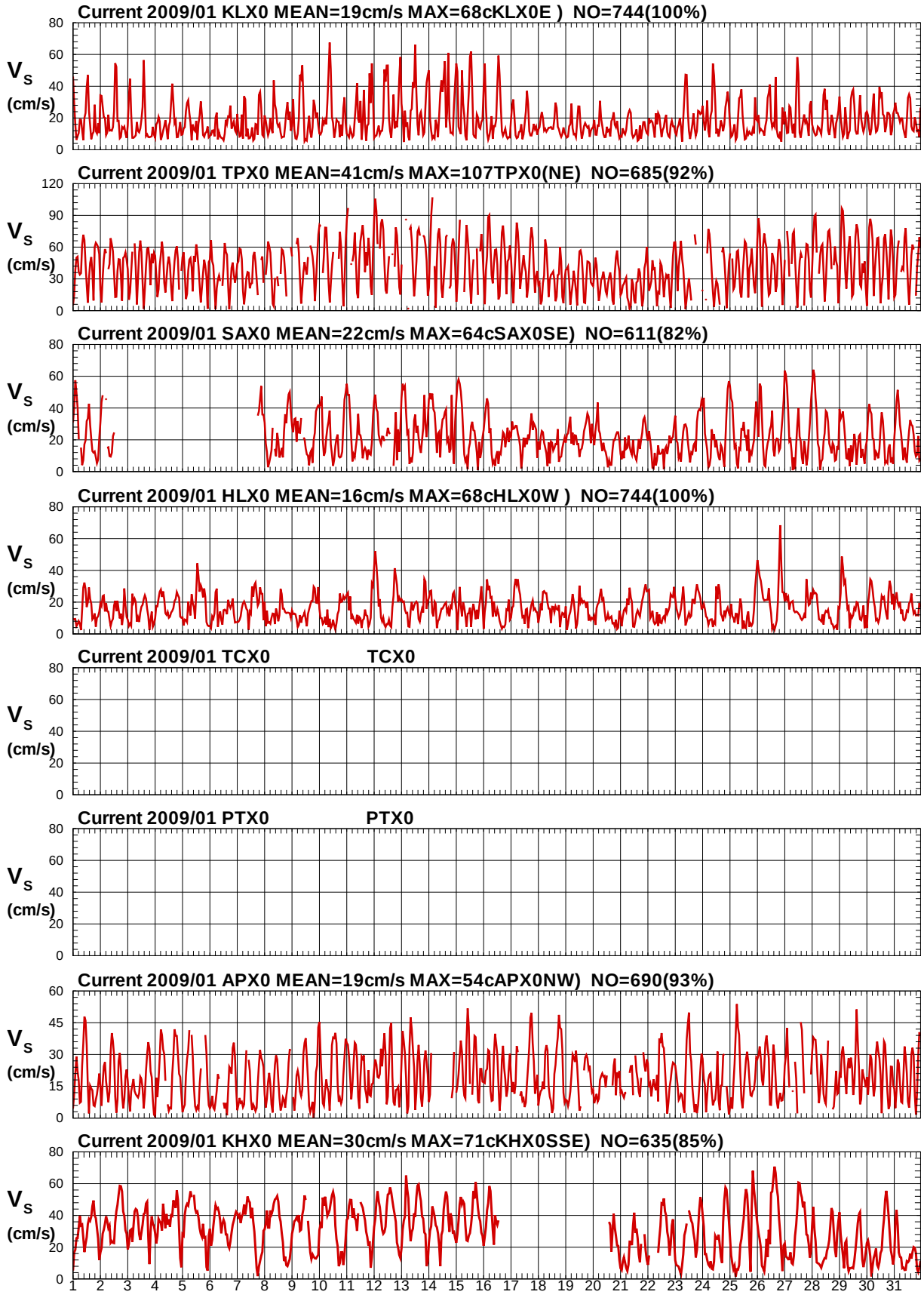


圖 4.9.13　2009年 1月8商港 觀測流速歷線圖

C091KLX0.1HA C091TPX0.1HA C091SAX0.1HA C091HLX0.1HA C091TCX0.1HA C091PTX0.1HA
C091APX0.1HA C091KHX0.1HA

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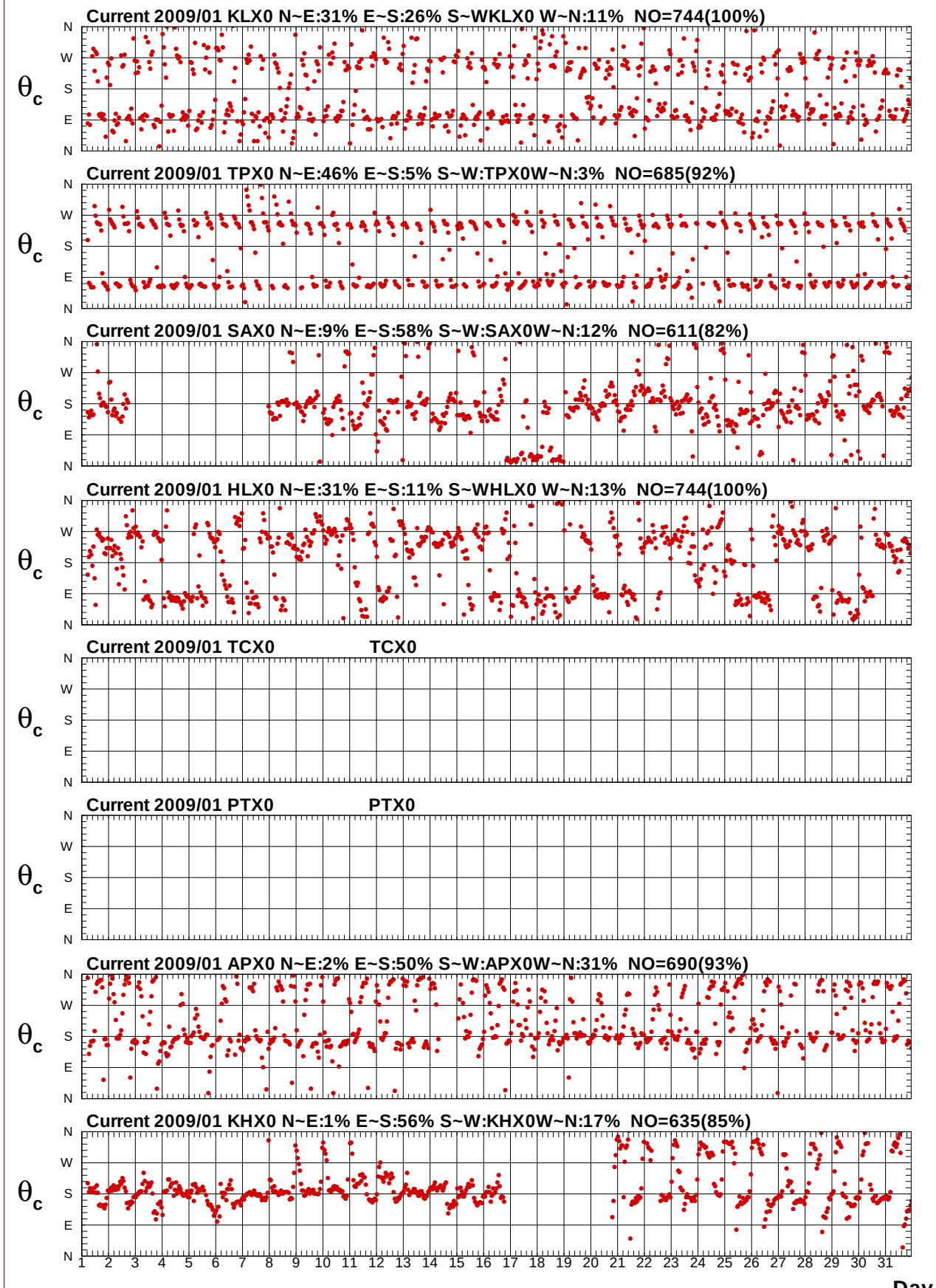


圖 4.9.14　2009年 1月8商港 觀測流向歷線圖

C091KLX0.1HA C091TPX0.1HA C091SAX0.1HA C091HLX0.1HA C091TCX0.1HA C091PTX0.1HA
C091APX0.1HA C091KHX0.1HA

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Eight Harbors Current Vector at 2009/01

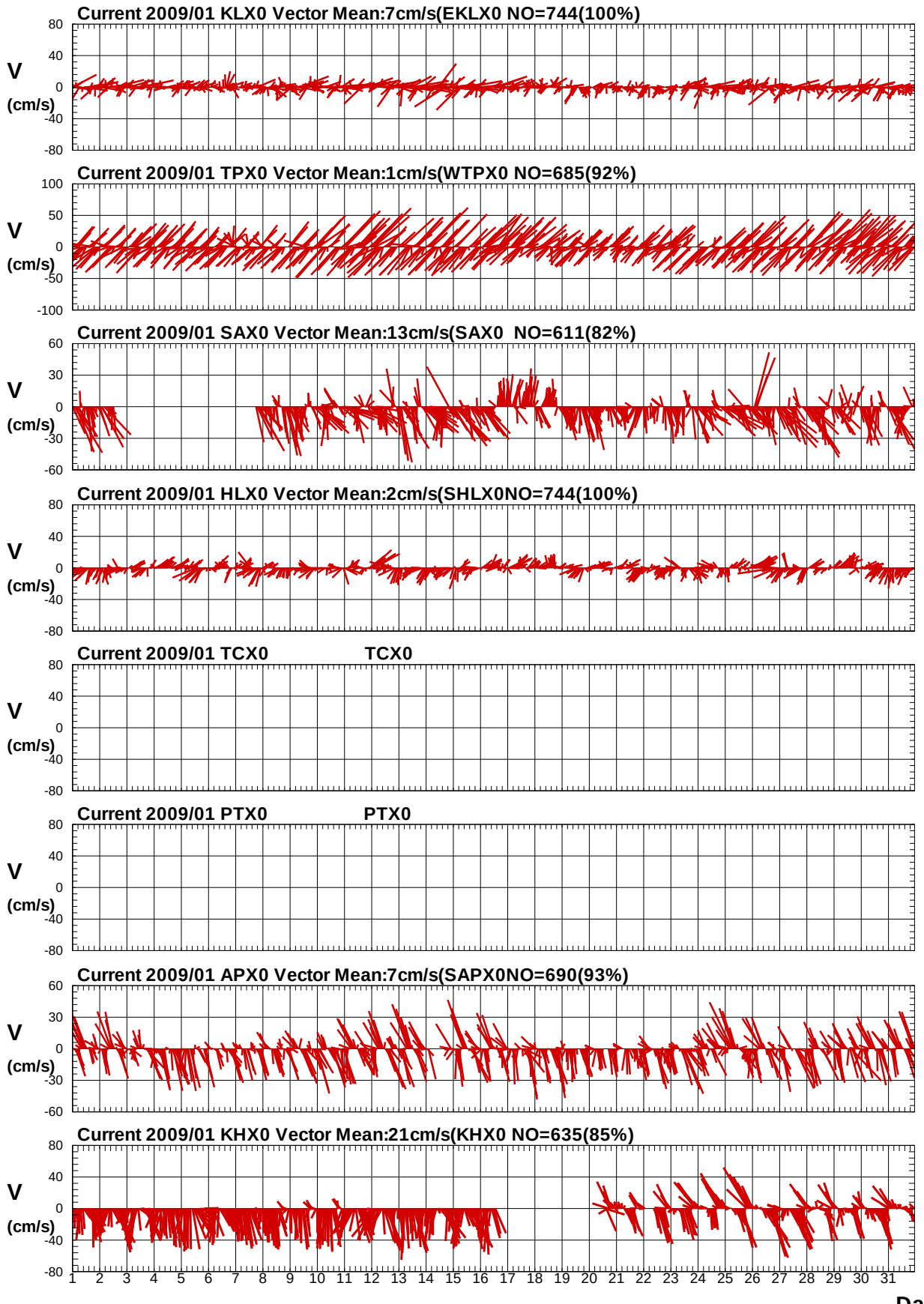


圖 4.9.15　2009年 1 月8商港 觀測流矢圖

C091KLX0.1HA C091TPX0.1HA C091SAX0.1HA C091HLX0.1HA C091TCX0.1HA C091PTX0.1HA
C091APX0.1HA C091KHX0.1HA

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Eight Harbors Current Speed at 2009/01

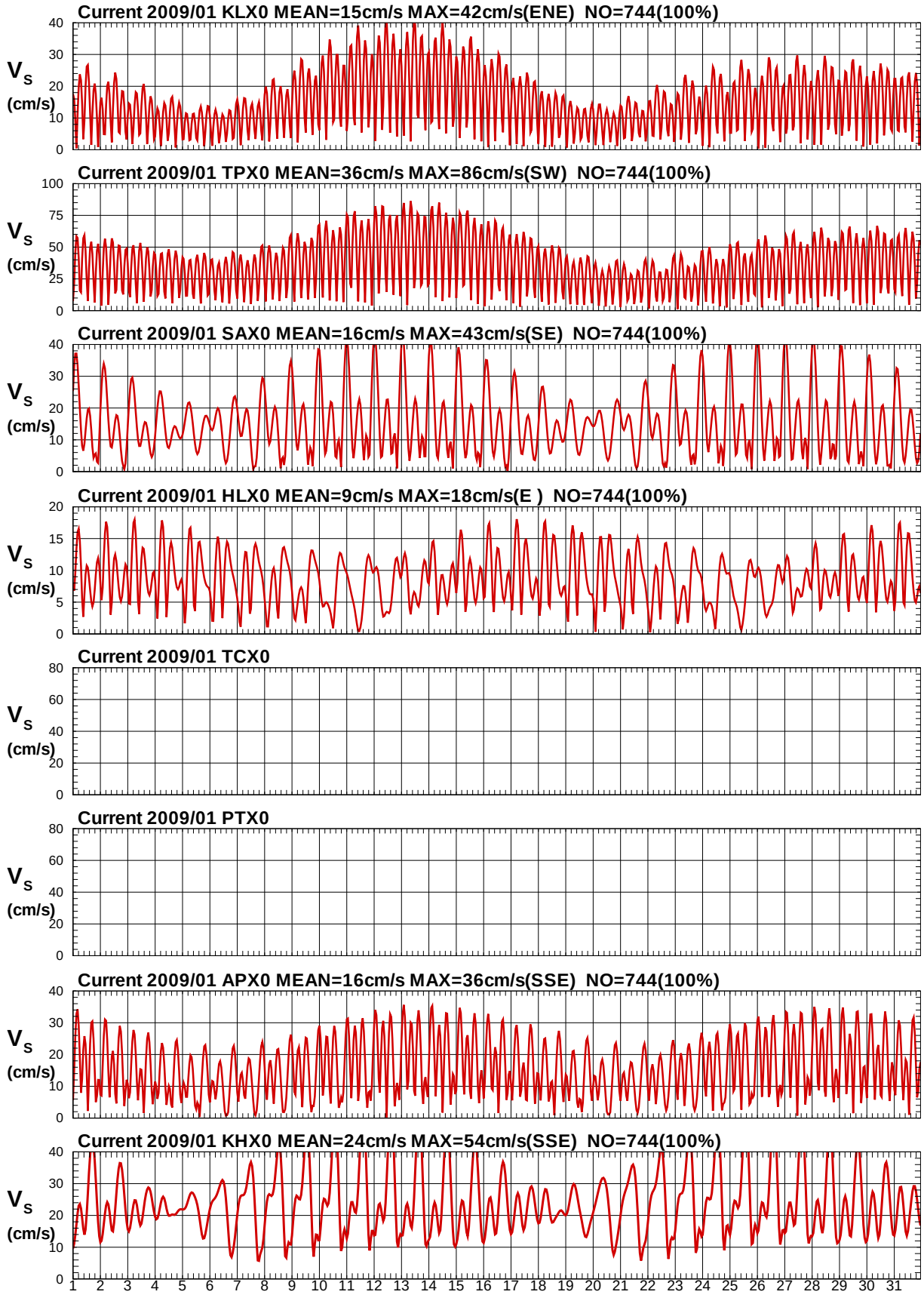


圖 4.9.16　2009年 1月8商港 潮流流速歷線圖

C091KLX0.1HC C091TPX0.1HC C091SAX0.1HC C091HLX0.1HC C091TCX0.1HC C091PTX0.1HC
C091APX0.1HC C091KHX0.1HC

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Eight Harbors Current Direction at 2009/01

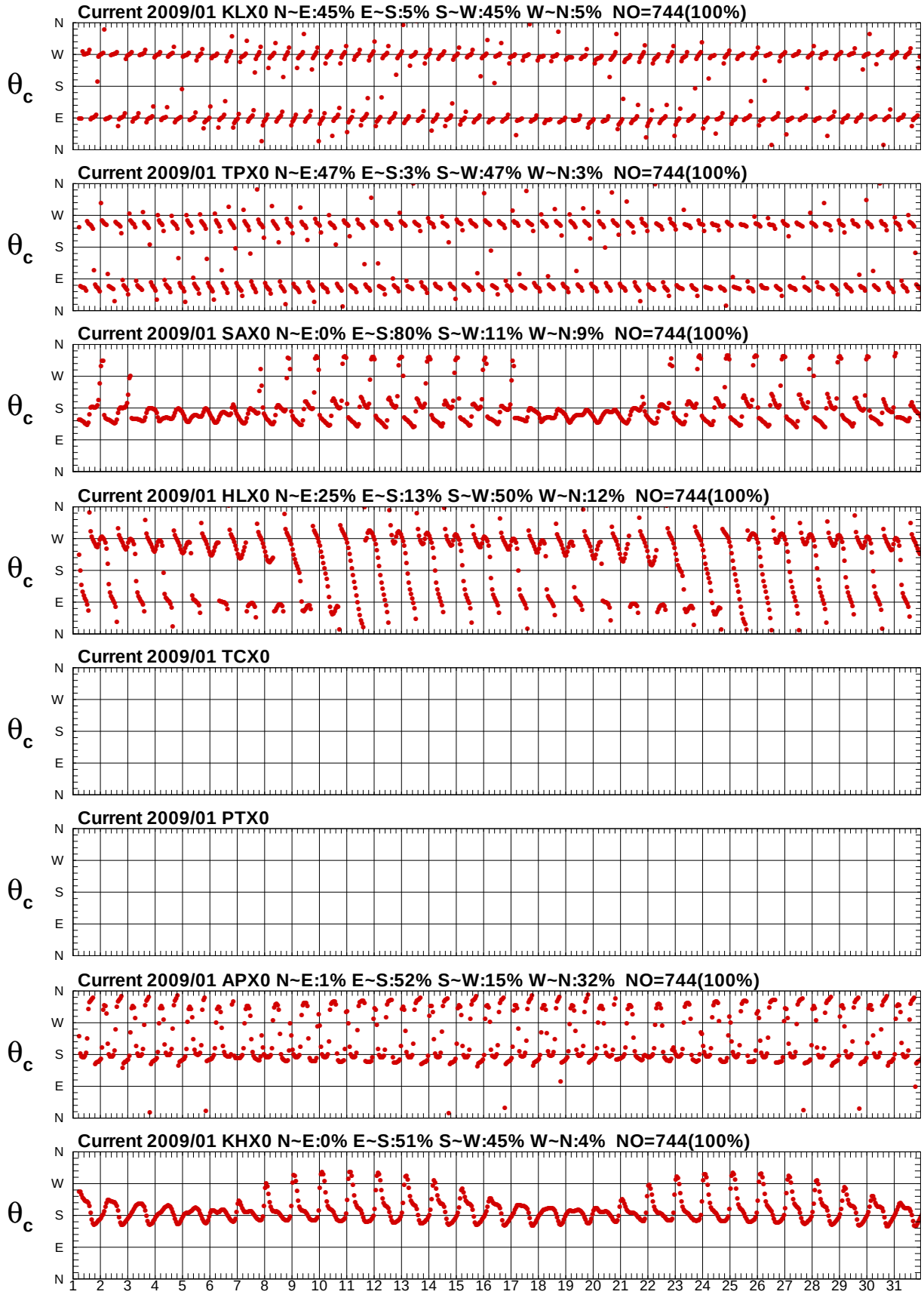


圖 4.9.17　2009年 1月8商港 潮流流向歷線圖

C091KLX0.1HC C091TPX0.1HC C091SAX0.1HC C091HLX0.1HC C091TCX0.1HC C091PTX0.1HC
C091APX0.1HC C091KHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/01

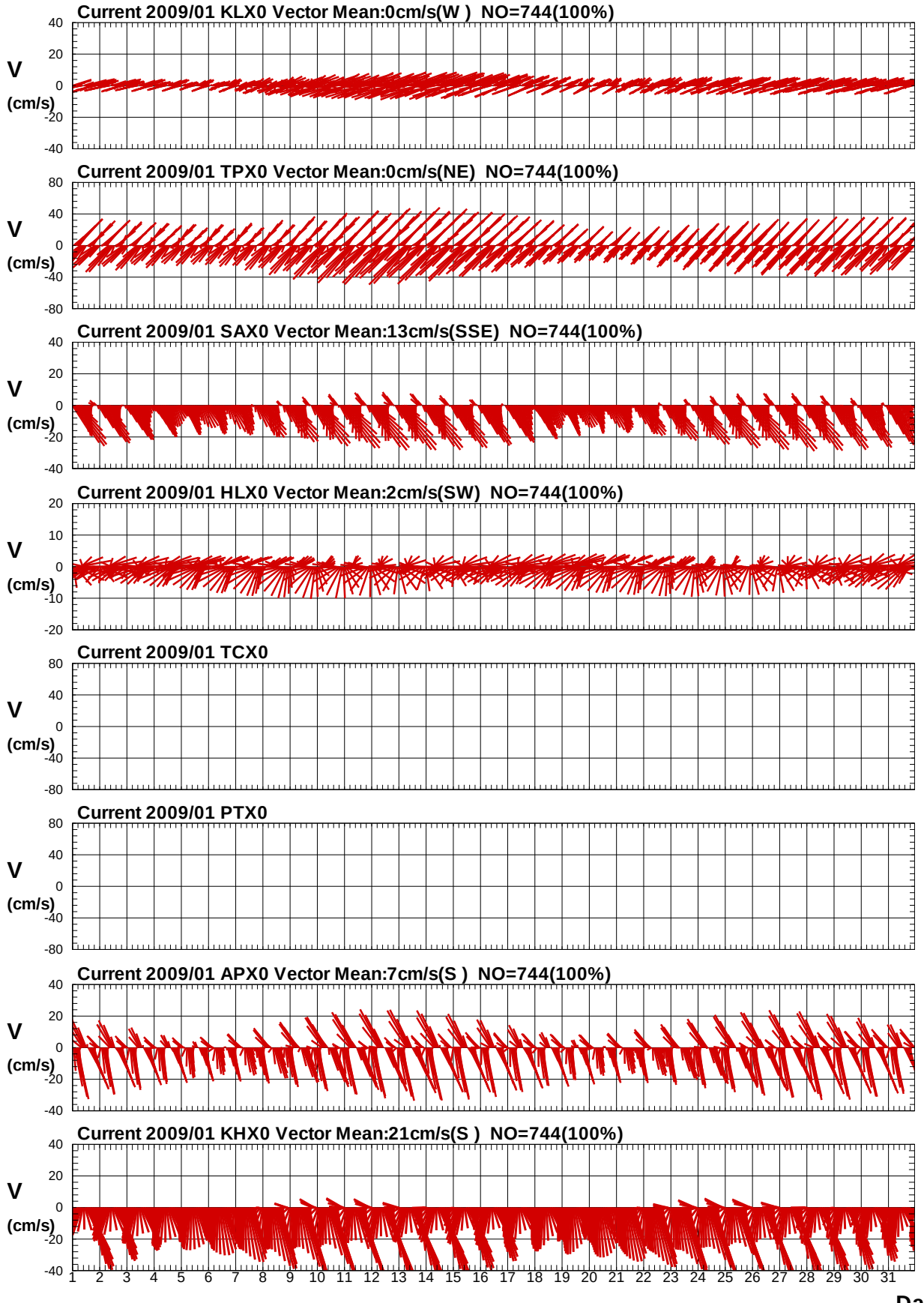


圖 4.9.18　2009年 1月8商港 潮流流矢圖

C091KLX0.1HC C091TPX0.1HC C091SAX0.1HC C091HLX0.1HC C091TCX0.1HC C091PTX0.1HC
C091APX0.1HC C091KHX0.1HC

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Eight Harbors Current Speed at 2009/01

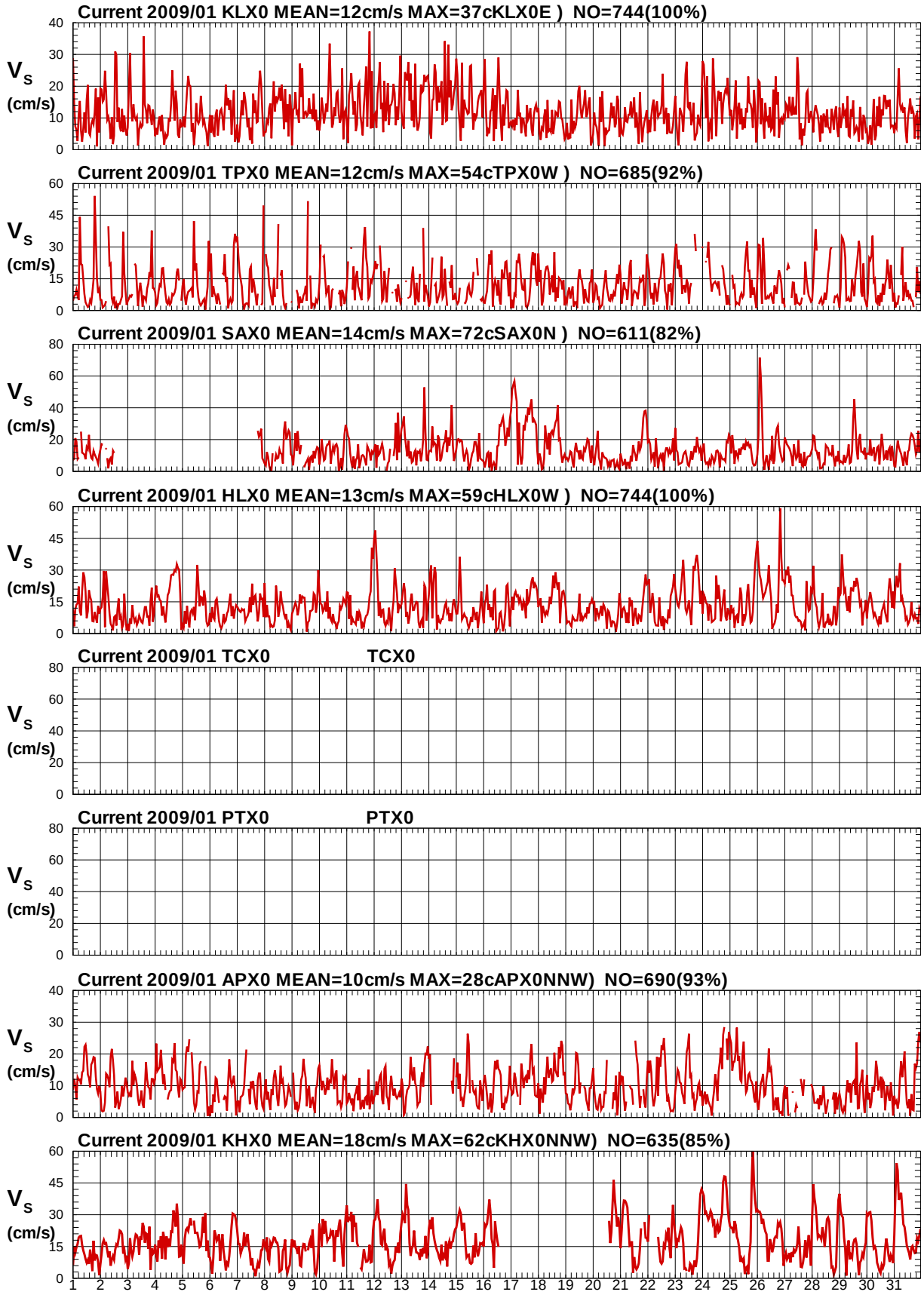


圖 4.9.19　2009年 1 月 8 商港 非潮流速歷線圖

C091KLX0.1HR C091TPX0.1HR C091SAX0.1HR C091HLX0.1HR C091TCX0.1HR C091PTX0.1HR
C091APX0.1HR C091KHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/01

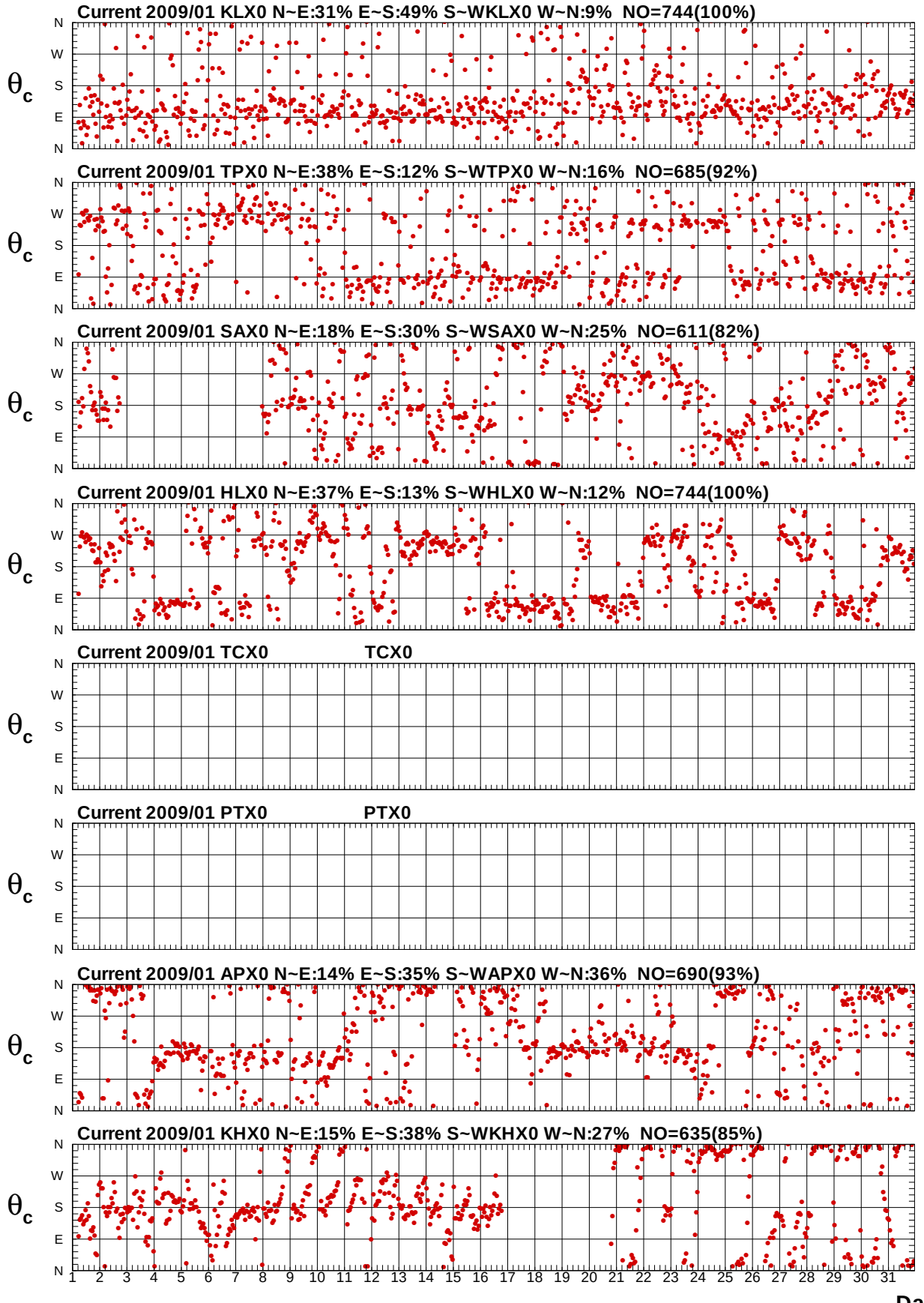


圖 4.9.20　2009年 1月8商港 非潮流向歷線圖

C091KLX0.1HR C091TPX0.1HR C091SAX0.1HR C091HLX0.1HR C091TCX0.1HR C091PTX0.1HR
C091APX0.1HR C091KHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/01

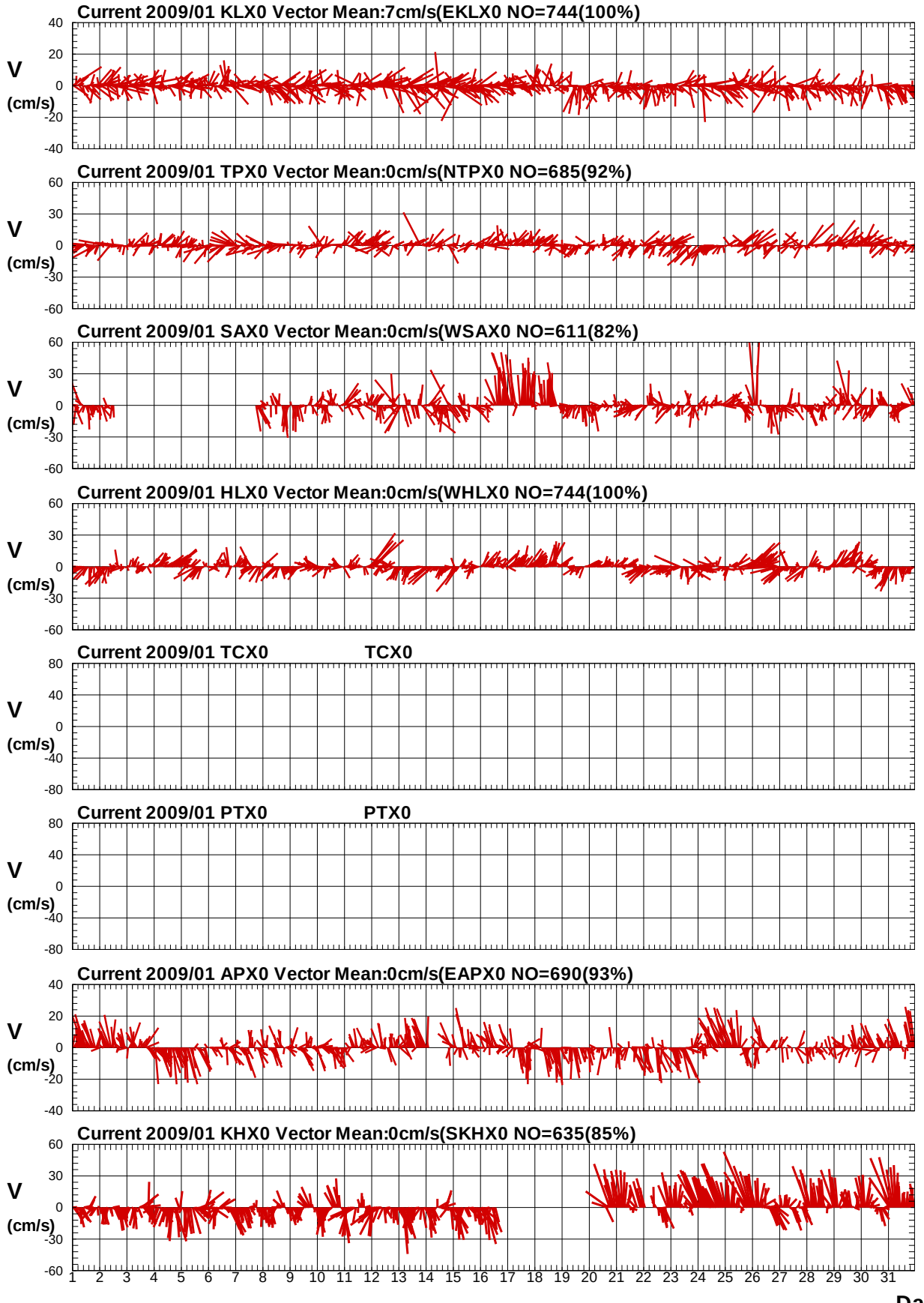


圖 4.9.21　2009年 1 月 8 商港 非潮流矢圖

C091KLX0.1HR C091TPX0.1HR C091SAX0.1HR C091HLX0.1HR C091TCX0.1HR C091PTX0.1HR
C091APX0.1HR C091KHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2009/01

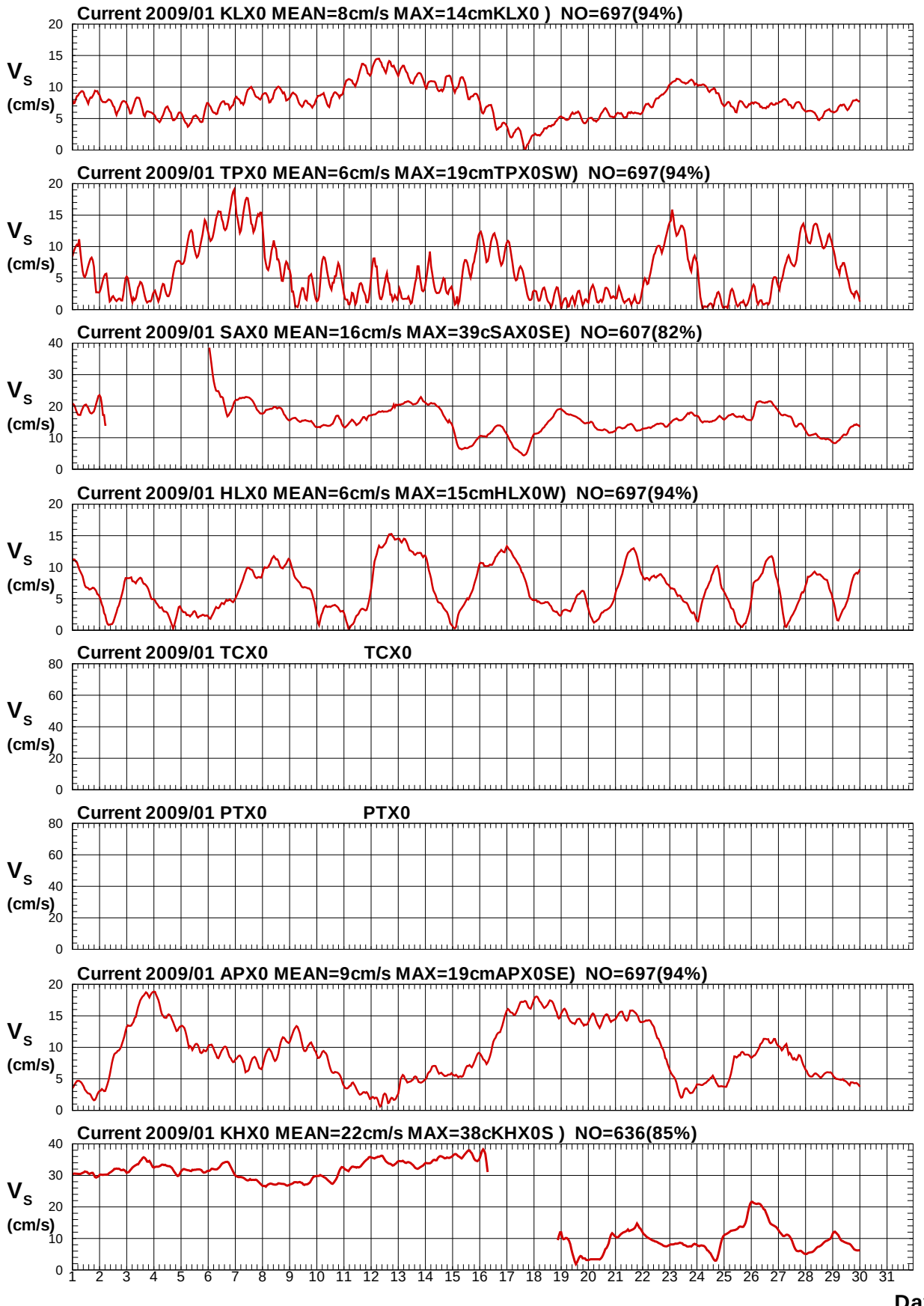


圖 4.9.22　2009年 1月8商港 48時平均流速歷線圖

C091KLX0.48H C091TPX0.48H C091SAX0.48H C091HLX0.48H C091TCX0.48H C091PTX0.48H
C091APX0.48H C091KHX0.48H

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/01

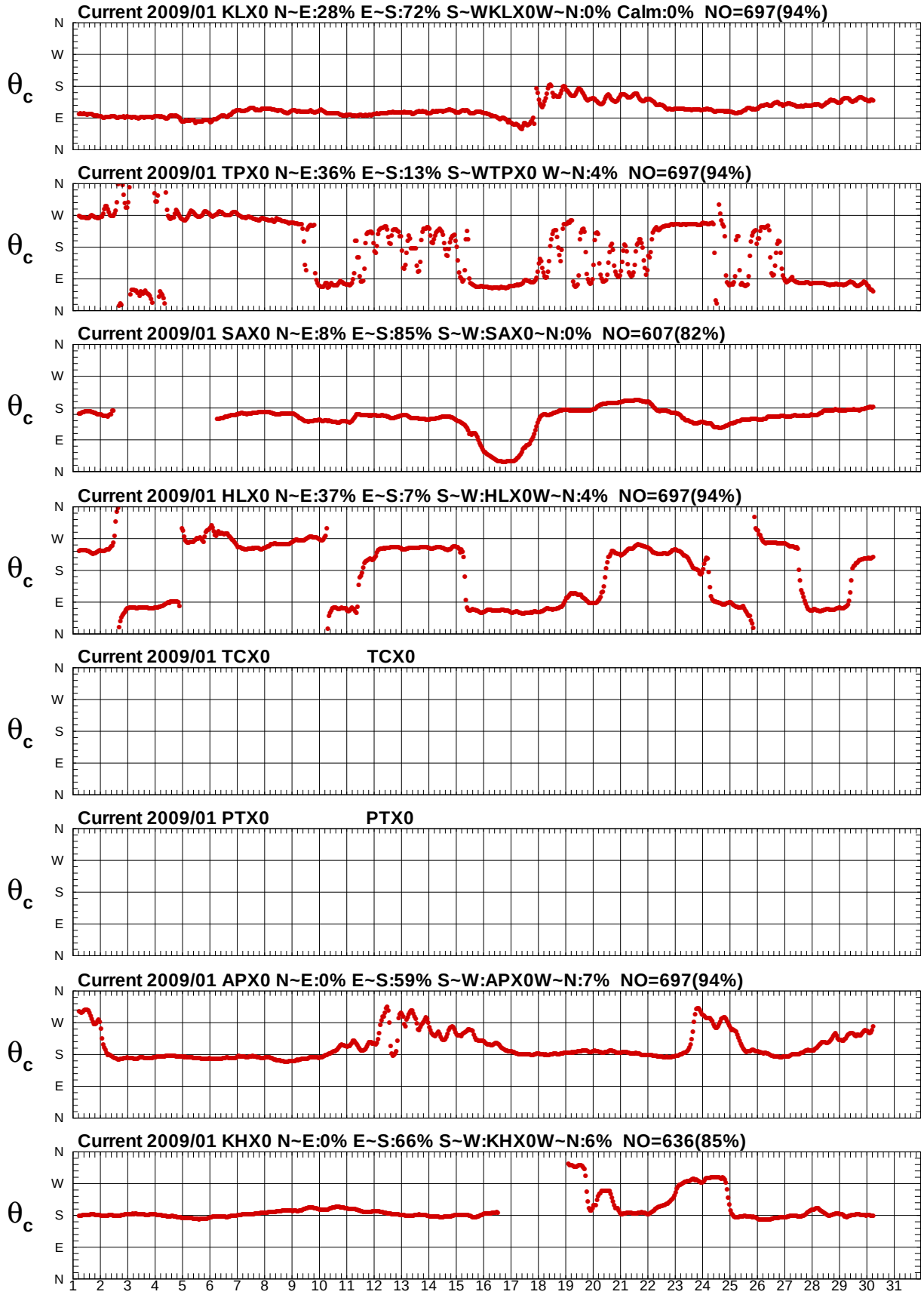


圖 4.9.23　2009年 1 月 8 商港 48時平均流向歷線圖

C091KLX0.48H C091TPX0.48H C091SAX0.48H C091HLX0.48H C091TCX0.48H C091PTX0.48H
C091APX0.48H C091KHX0.48H

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/01

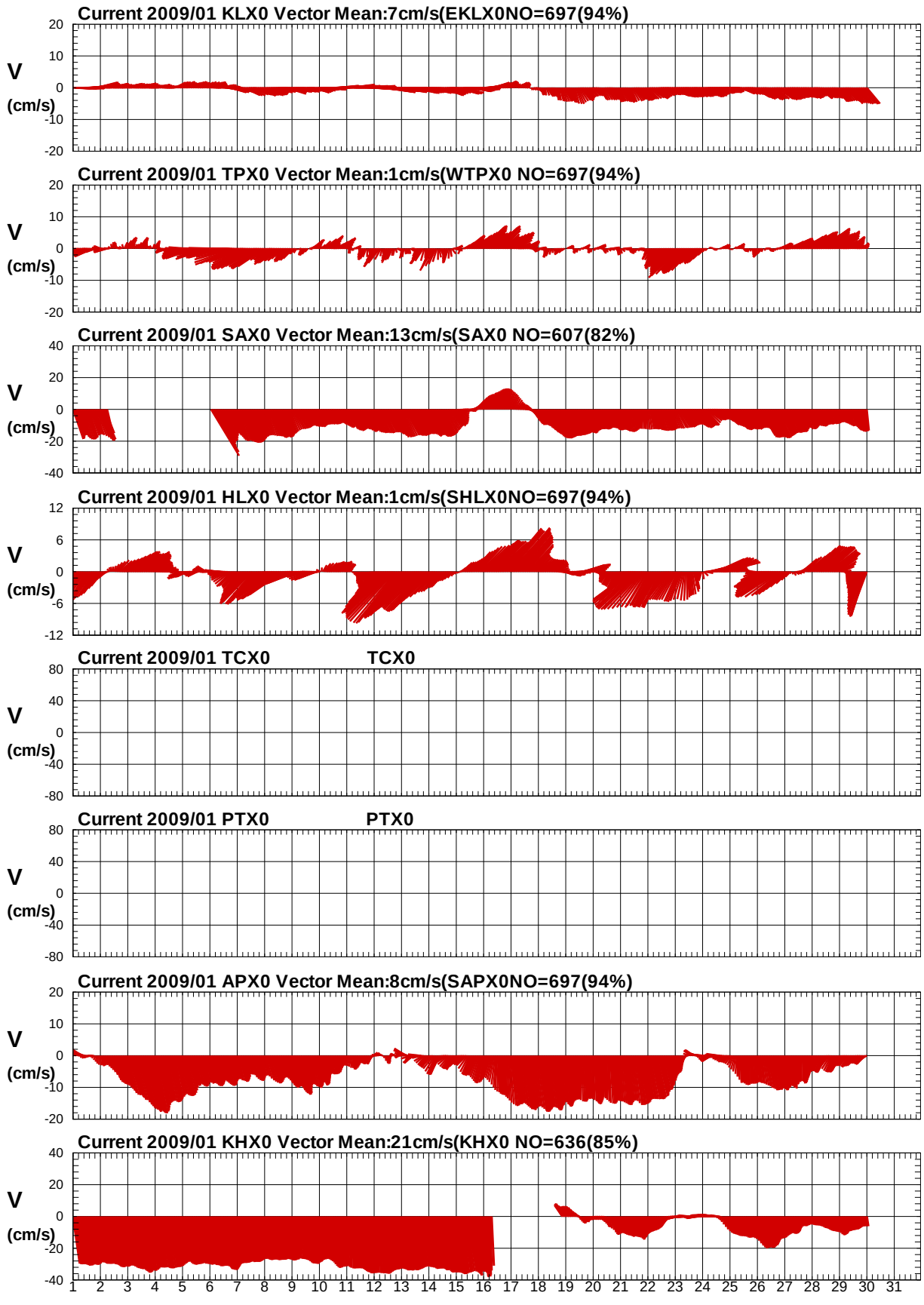


圖 4.9.24　2009年 1 月 8 商港 48時平均流矢圖

C091KLX0.48H C091TPX0.48H C091SAX0.48H C091HLX0.48H C091TCX0.48H C091PTX0.48H C091APX0.48H C091KHX0.48H

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2009/02

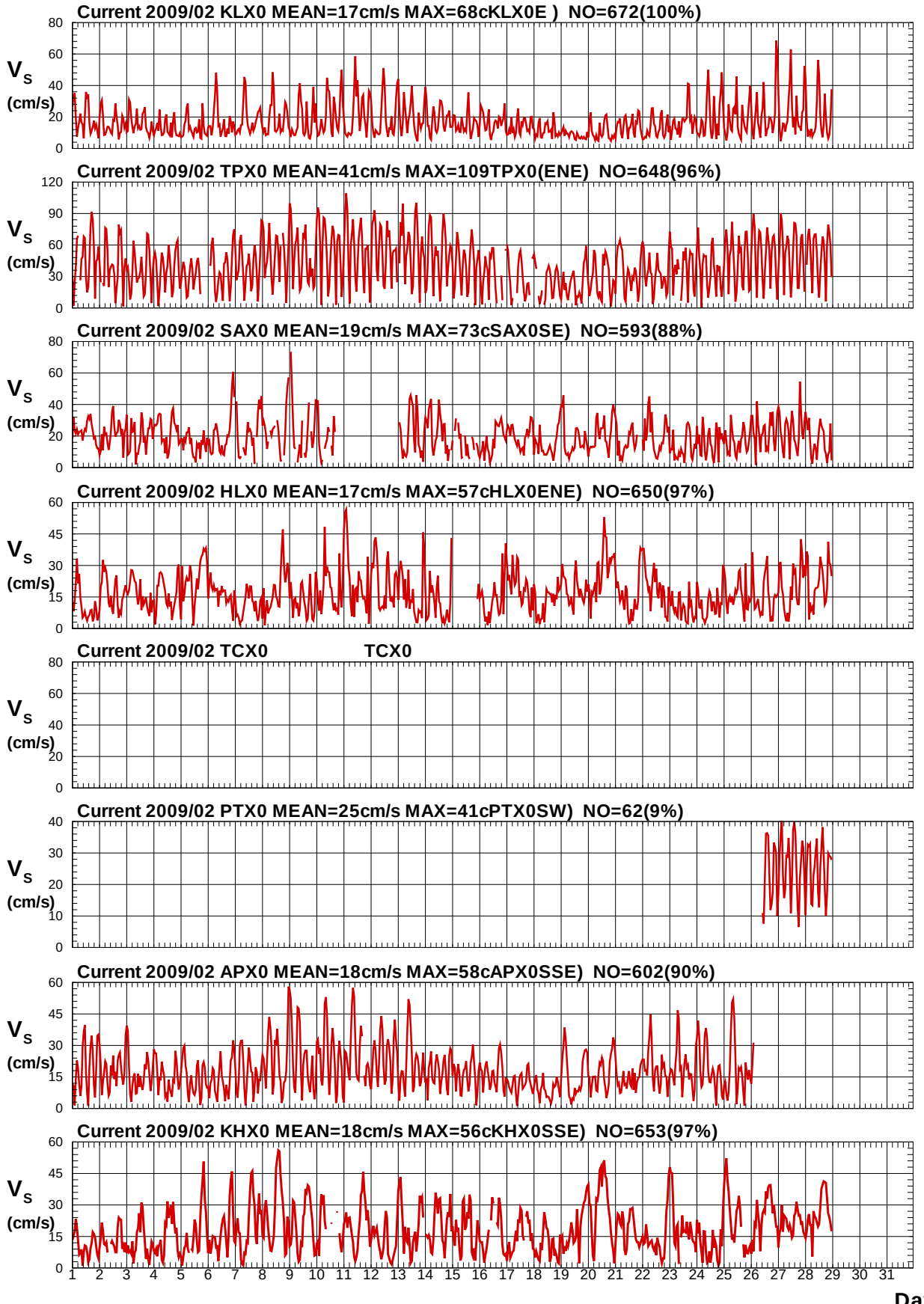


圖 4.9.25　2009年 2 月 8 商港 觀測流速歷線圖

C092KLX0.1HA C092TPX0.1HA C092SAX0.1HA C092HLX0.1HA C092TCX0.1HA C092PTX0.1HA
C092APX0.1HA C092KHX0.1HA

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/02

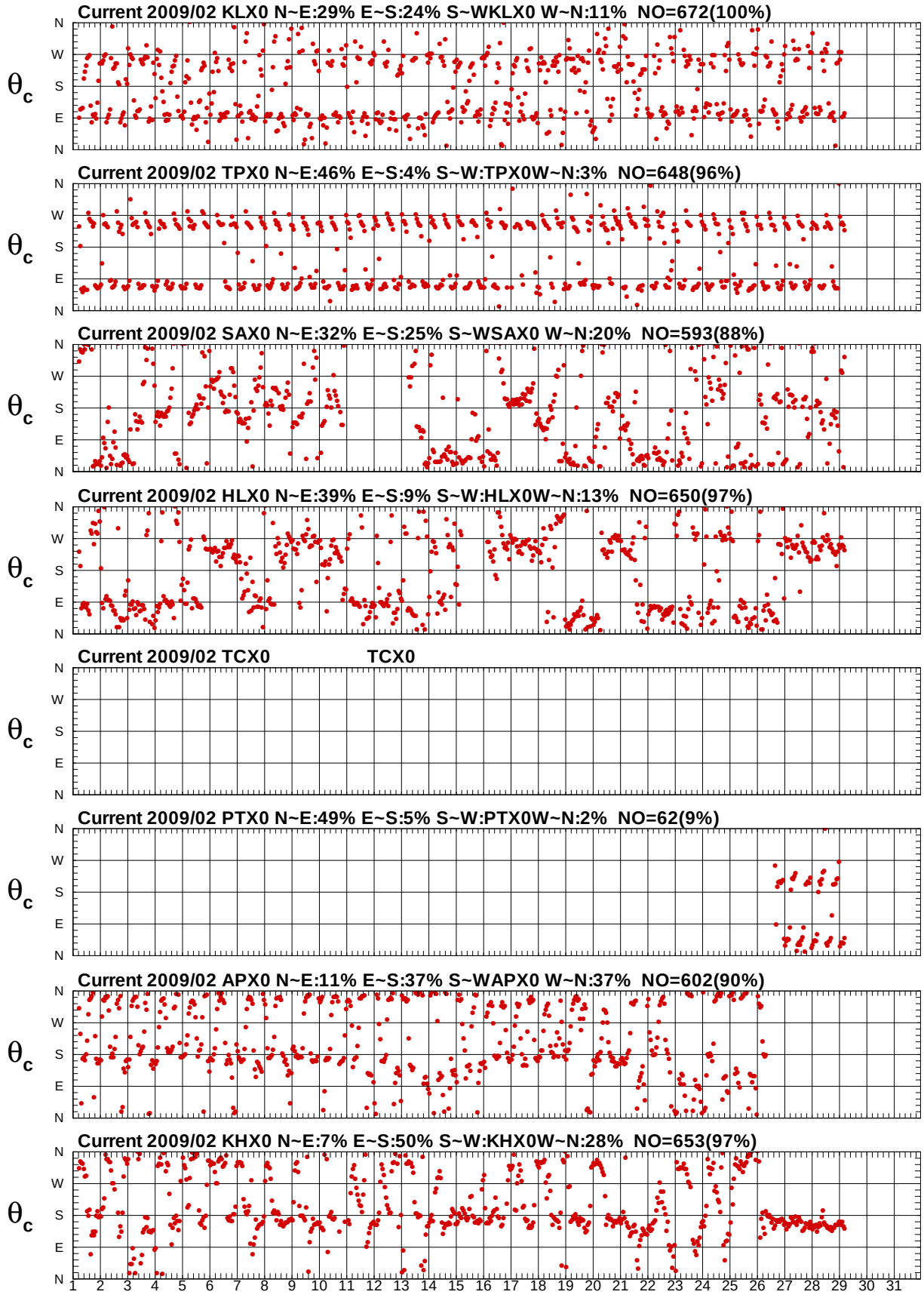


圖 4.9.26　2009年 2月8商港 觀測流向歷線圖

C092KLX0.1HA C092TPX0.1HA C092SAX0.1HA C092HLX0.1HA C092TCX0.1HA C092PTX0.1HA
C092APX0.1HA C092KHX0.1HA

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/02

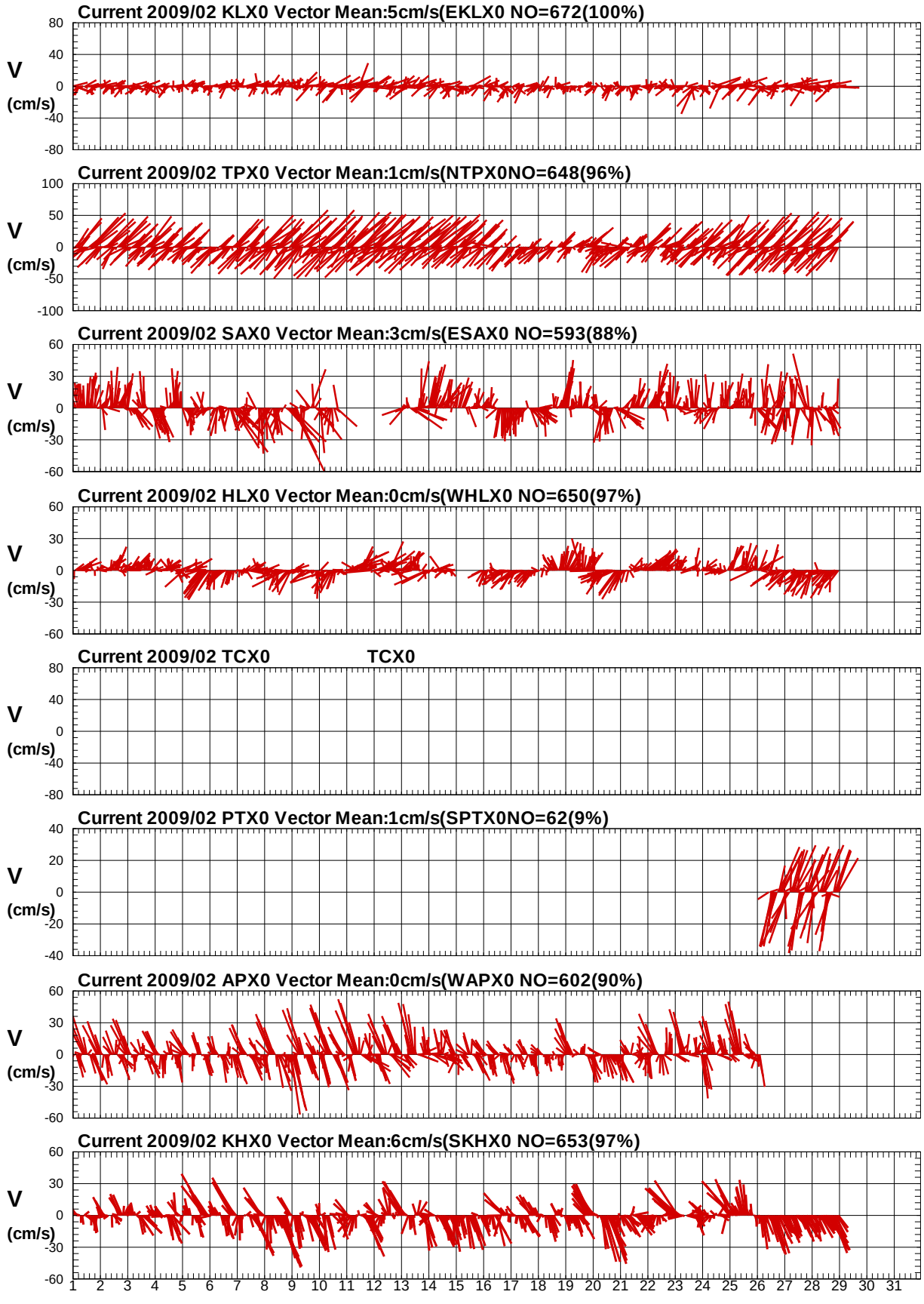


圖 4.9.27　2009年 2 月 8 商港 觀測流矢圖

C092KLX0.1HA C092TPX0.1HA C092SAX0.1HA C092HLX0.1HA C092TCX0.1HA C092PTX0.1HA
C092APX0.1HA C092KHX0.1HA

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Eight Harbors Current Speed at 2009/02

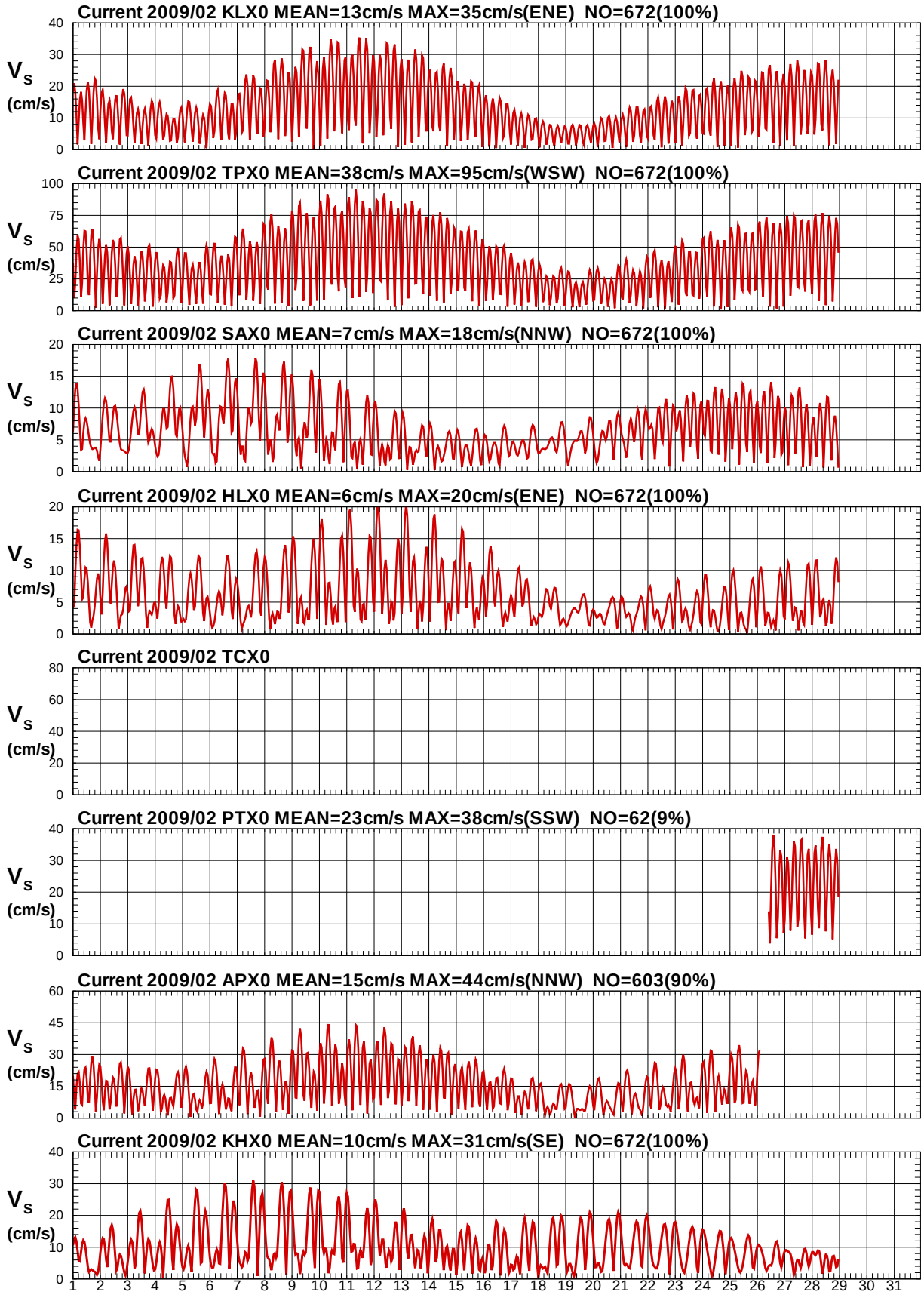


圖 4.9.28　2009年 2 月 8 商港 潮流流速歷線圖

C092KLX0.1HC C092TPX0.1HC C092SAX0.1HC C092HLX0.1HC C092TCX0.1HC C092PTX0.1HC
C092APX0.1HC C092KHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/02

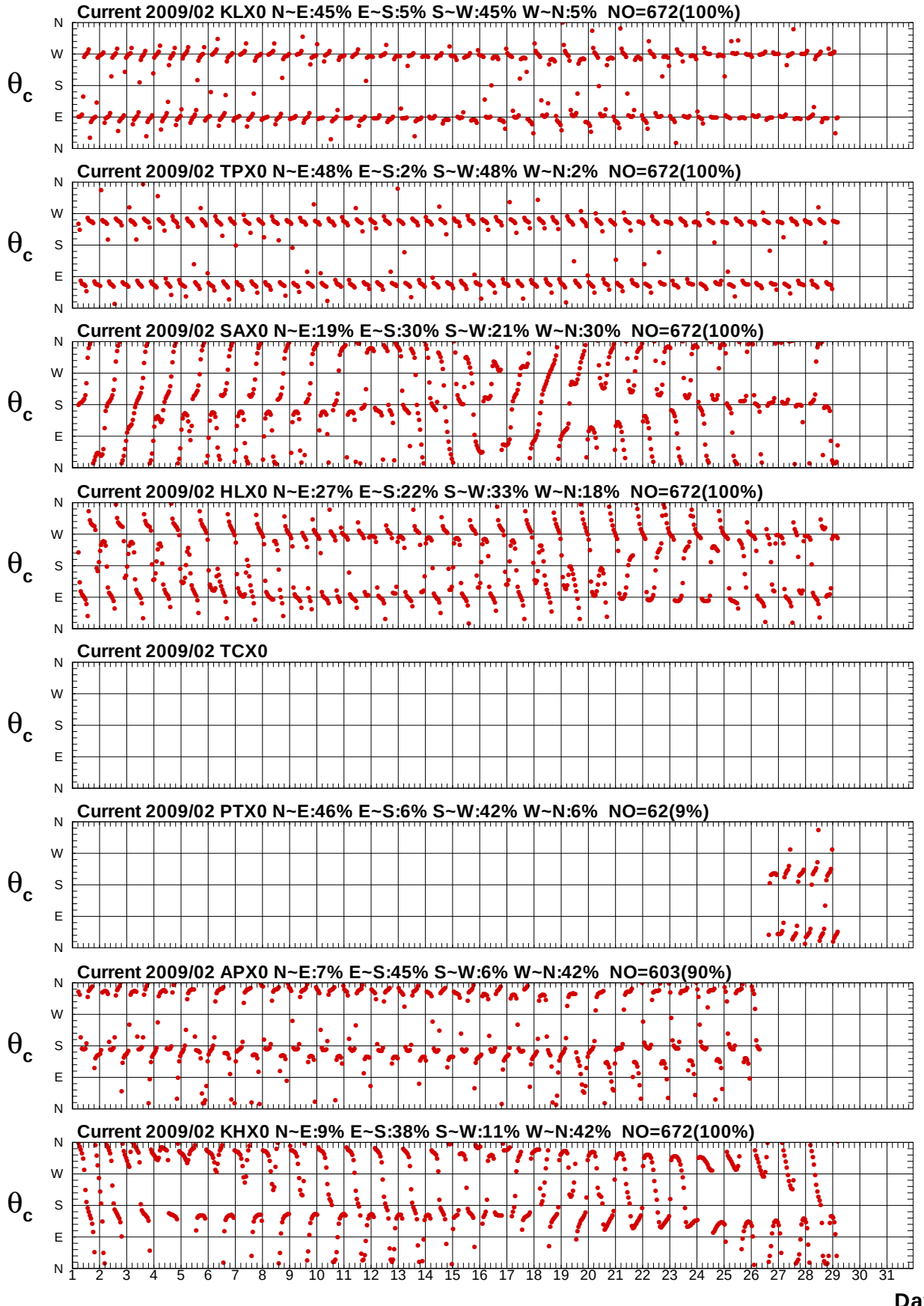


圖 4.9.29　2009年 2 月 8 商港 潮流流向歷線圖

C092KLX0.1HC C092TPX0.1HC C092SAX0.1HC C092HLX0.1HC C092TCX0.1HC C092PTX0.1HC
C092APX0.1HC C092KHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/02

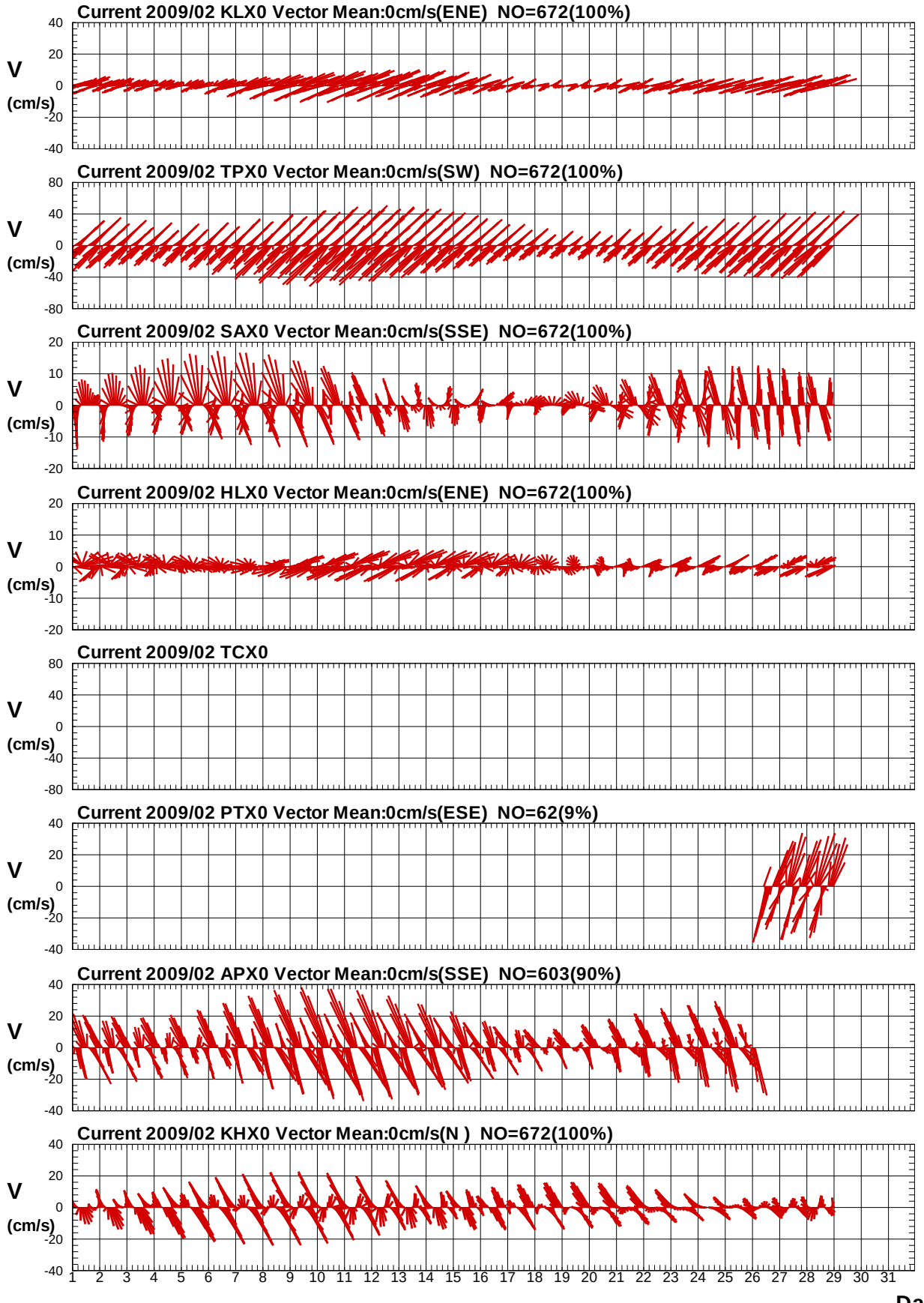


圖 4.9.30　2009年 2 月 8 商港 潮流流矢圖

C092KLX0.1HC C092TPX0.1HC C092SAX0.1HC C092HLX0.1HC C092TCX0.1HC C092PTX0.1HC
C092APX0.1HC C092KHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2009/02

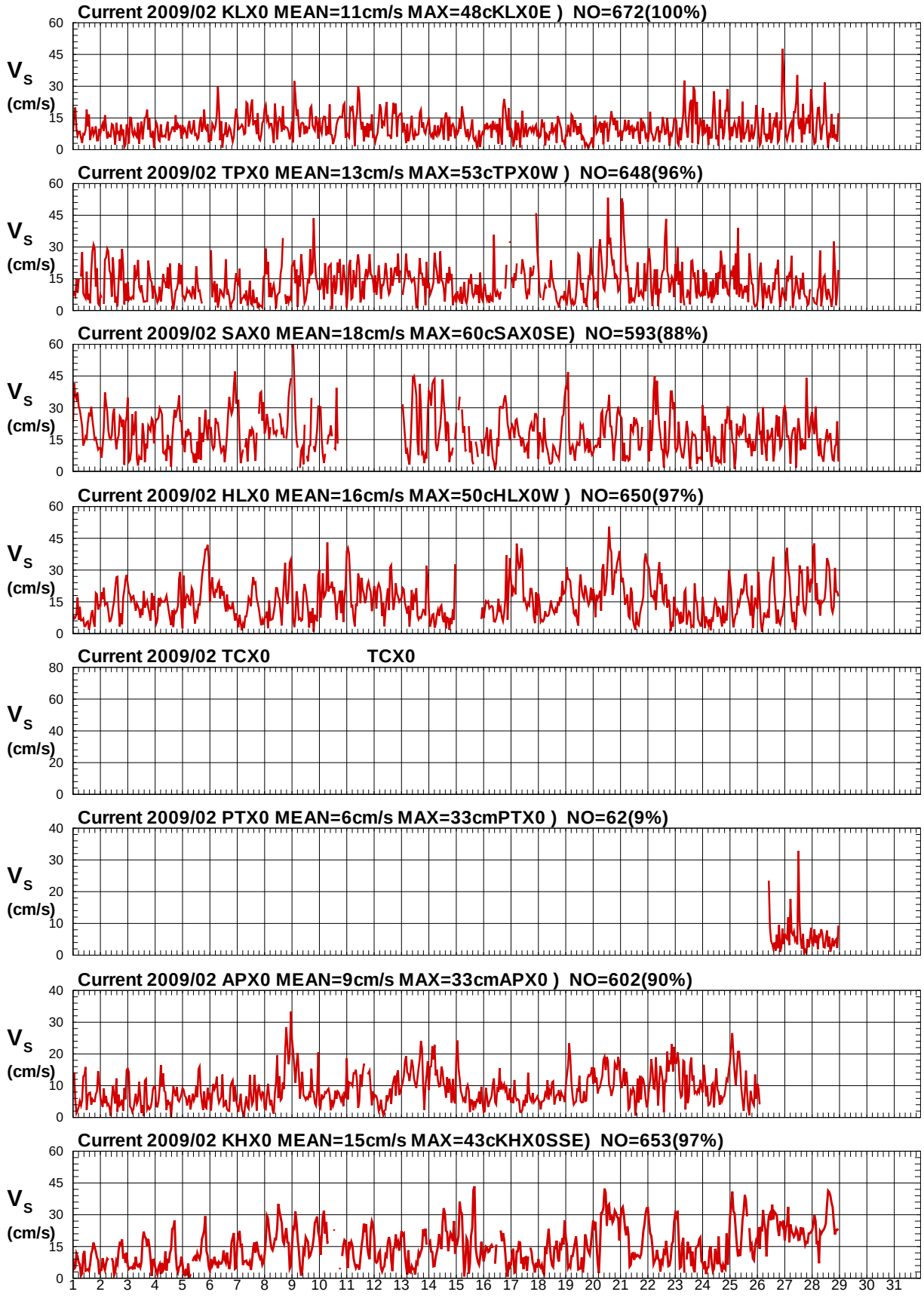


圖 4.9.31　2009年 2 月 8 商港 非潮流速歷線圖

C092KLX0.1HR C092TPX0.1HR C092SAX0.1HR C092HLX0.1HR C092TCX0.1HR C092PTX0.1HR
C092APX0.1HR C092KHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/02

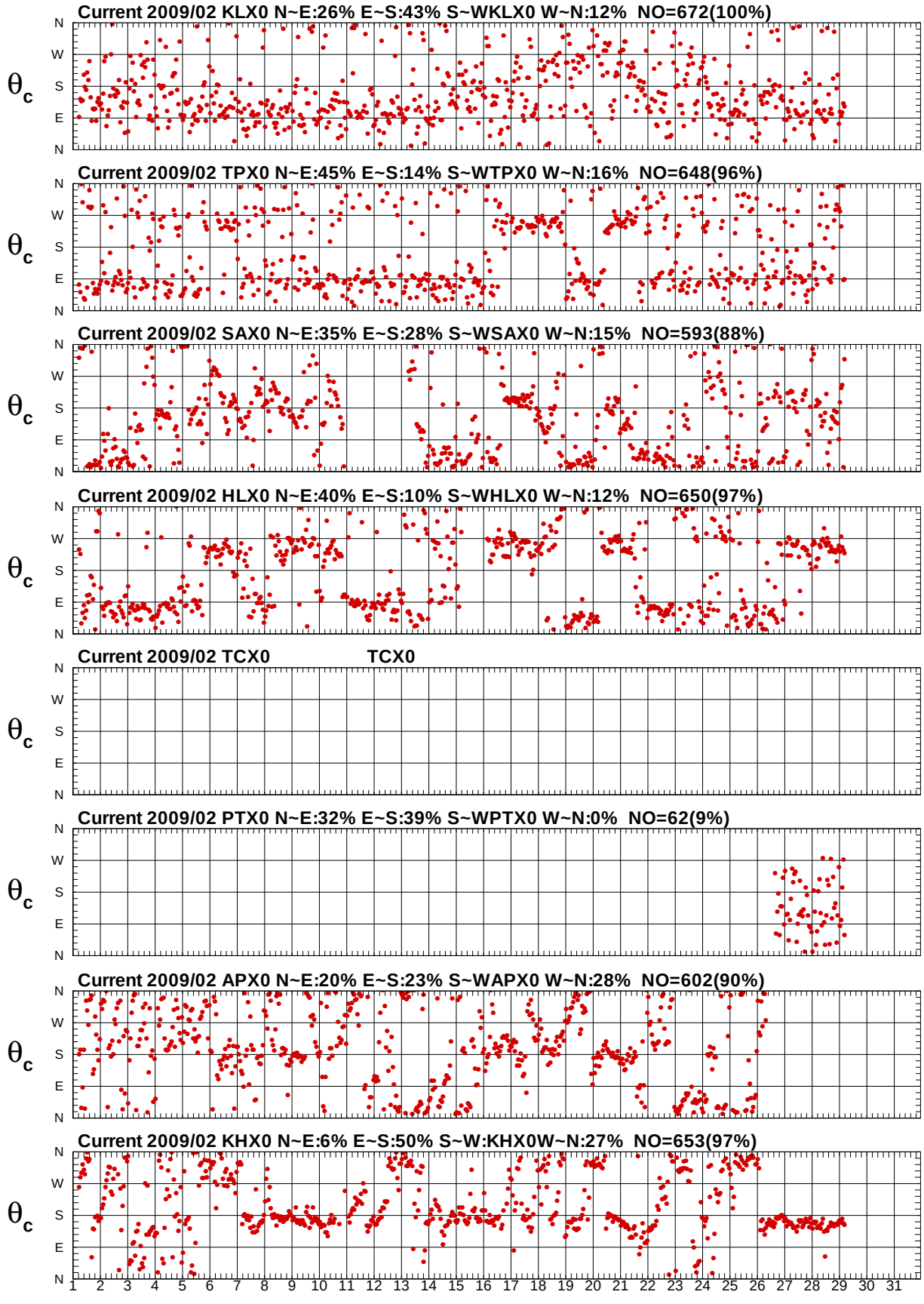


圖 4.9.32　2009年 2 月 8 商港 非潮流向歷線圖

C092KLX0.1HR C092TPX0.1HR C092SAX0.1HR C092HLX0.1HR C092TCX0.1HR C092PTX0.1HR
C092APX0.1HR C092KHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/02

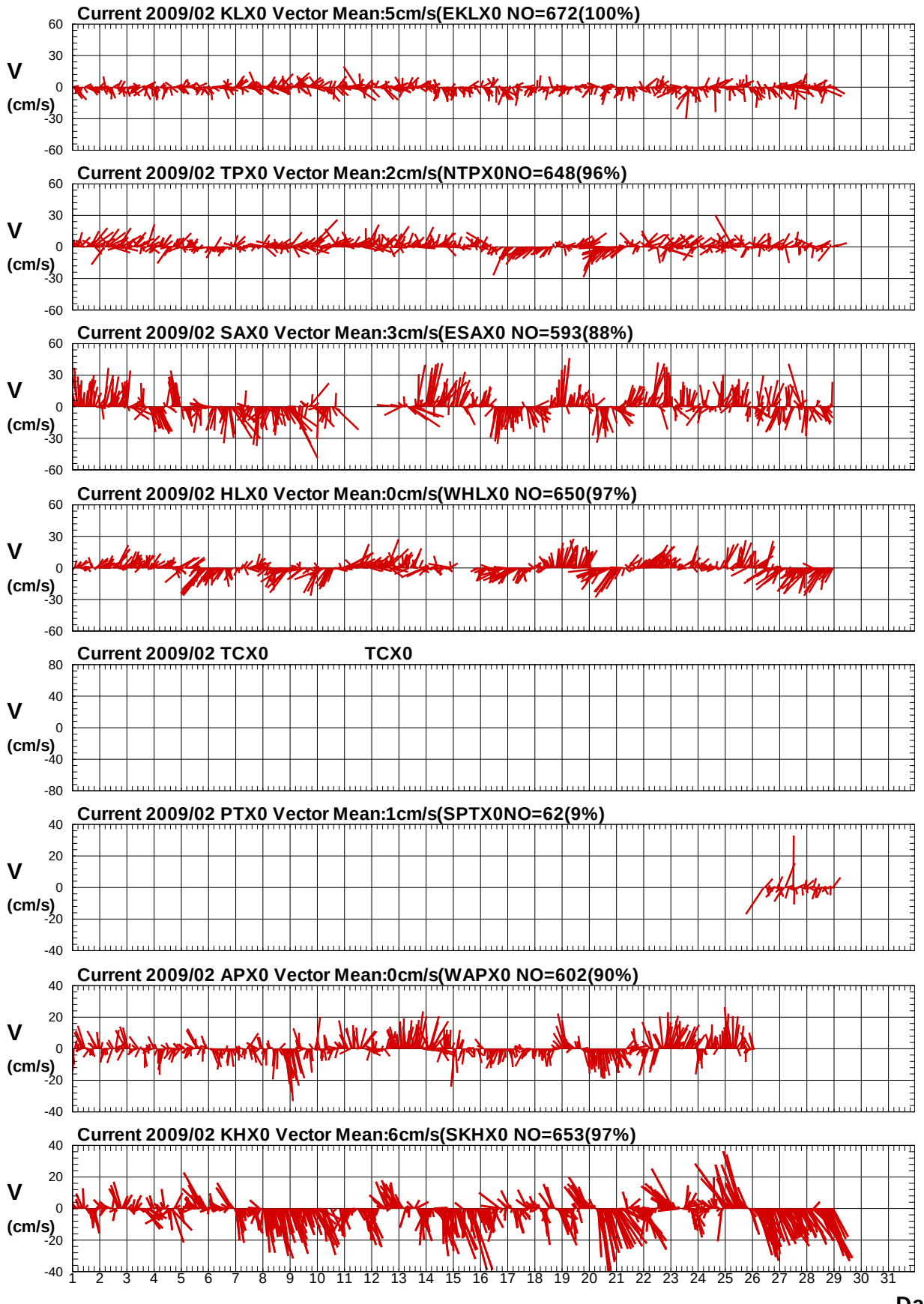


圖 4.9.33　2009年 2月8商港 非潮流矢圖

C092KLX0.1HR C092TPX0.1HR C092SAX0.1HR C092HLX0.1HR C092TCX0.1HR C092PTX0.1HR
C092APX0.1HR C092KHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2009/02

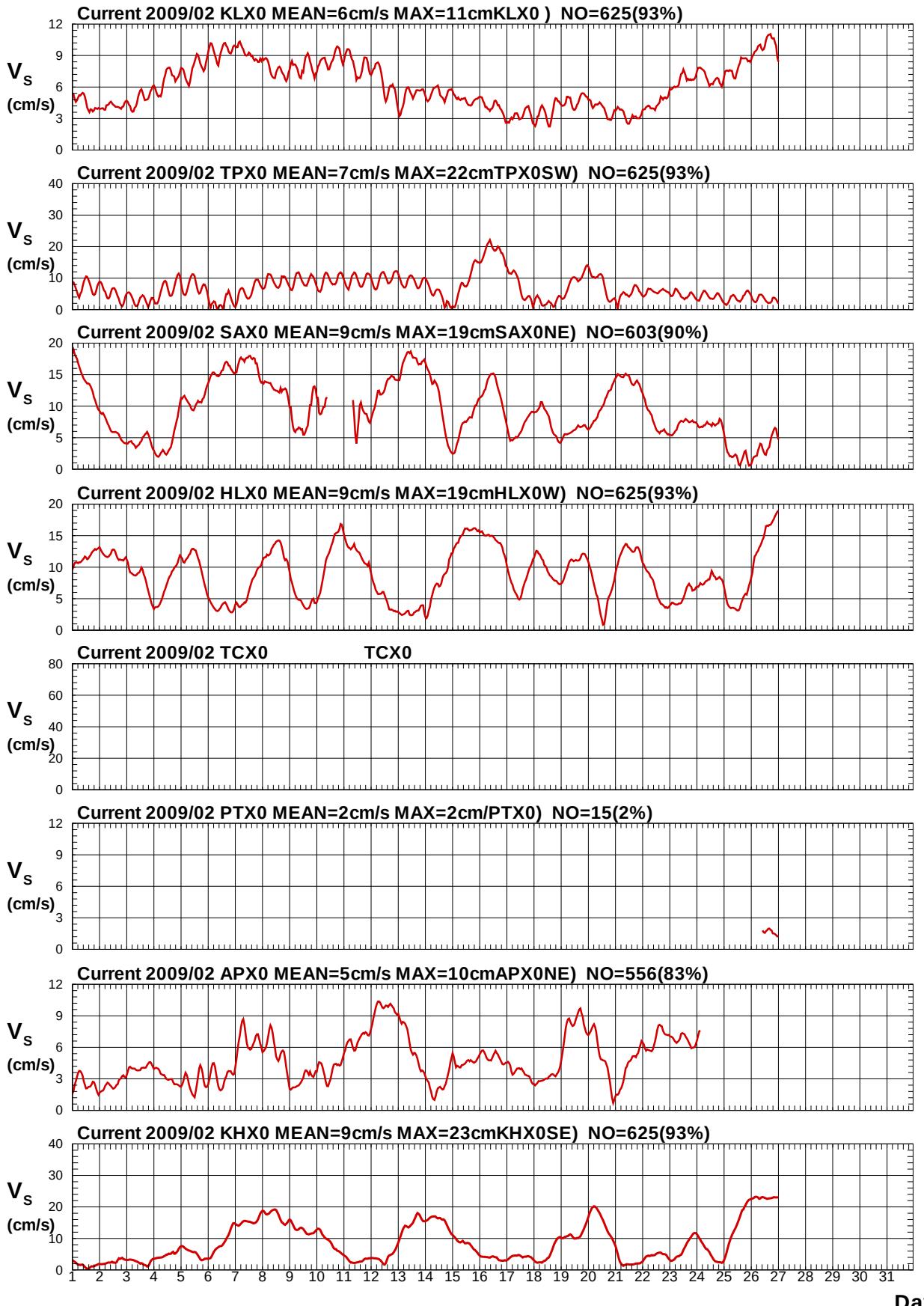


圖 4.9.34　2009年 2 月 8 商港 48時平均流速歷線圖

C092KLX0.48H C092TPX0.48H C092SAX0.48H C092HLX0.48H C092TCX0.48H C092PTX0.48H
C092APX0.48H C092KHX0.48H

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/02

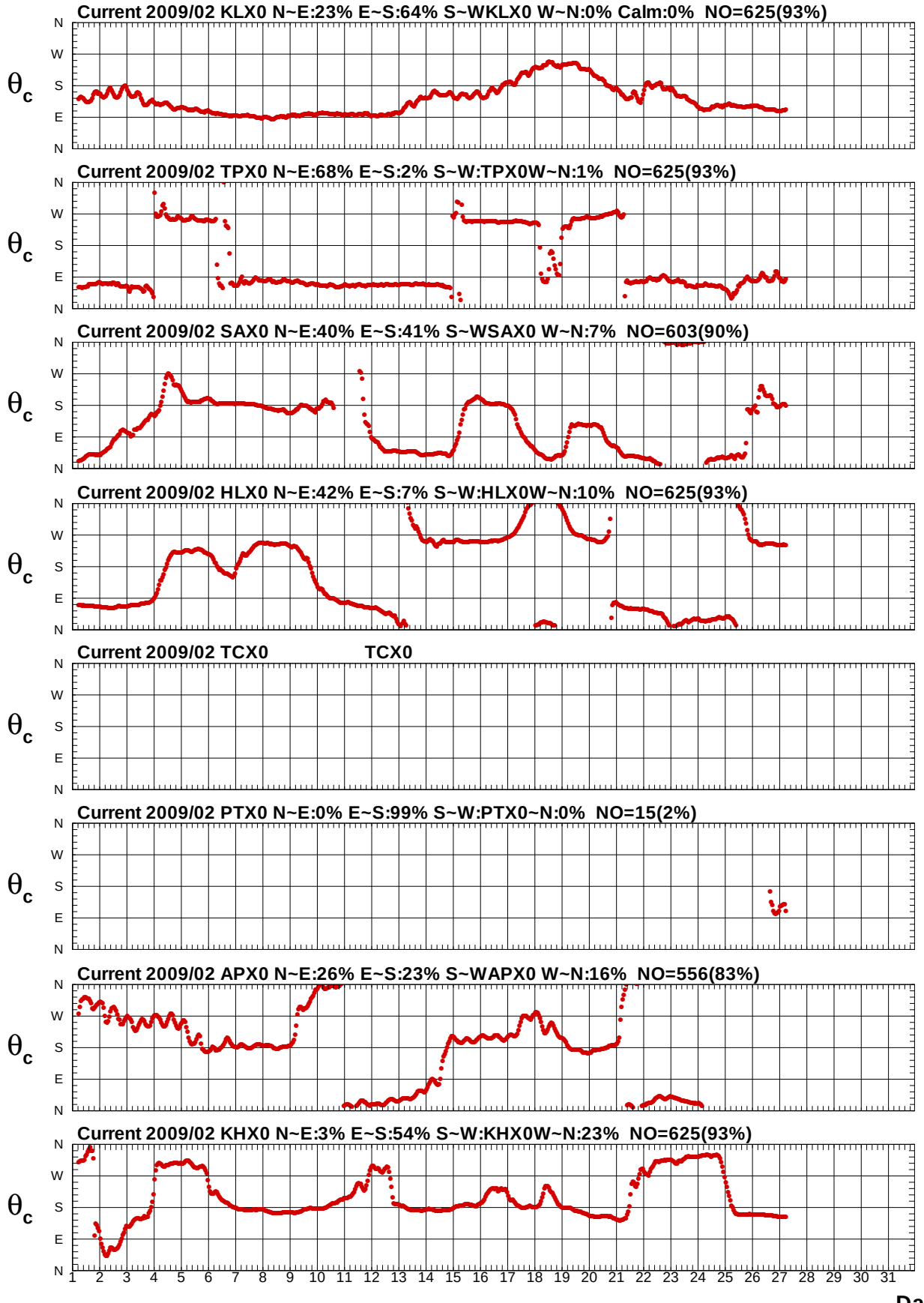


圖 4.9.35　2009年 2 月 8 商港 48時平均流向歷線圖

C092KLX0.48H C092TPX0.48H C092SAX0.48H C092HLX0.48H C092TCX0.48H C092PTX0.48H
C092APX0.48H C092KHX0.48H

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/02

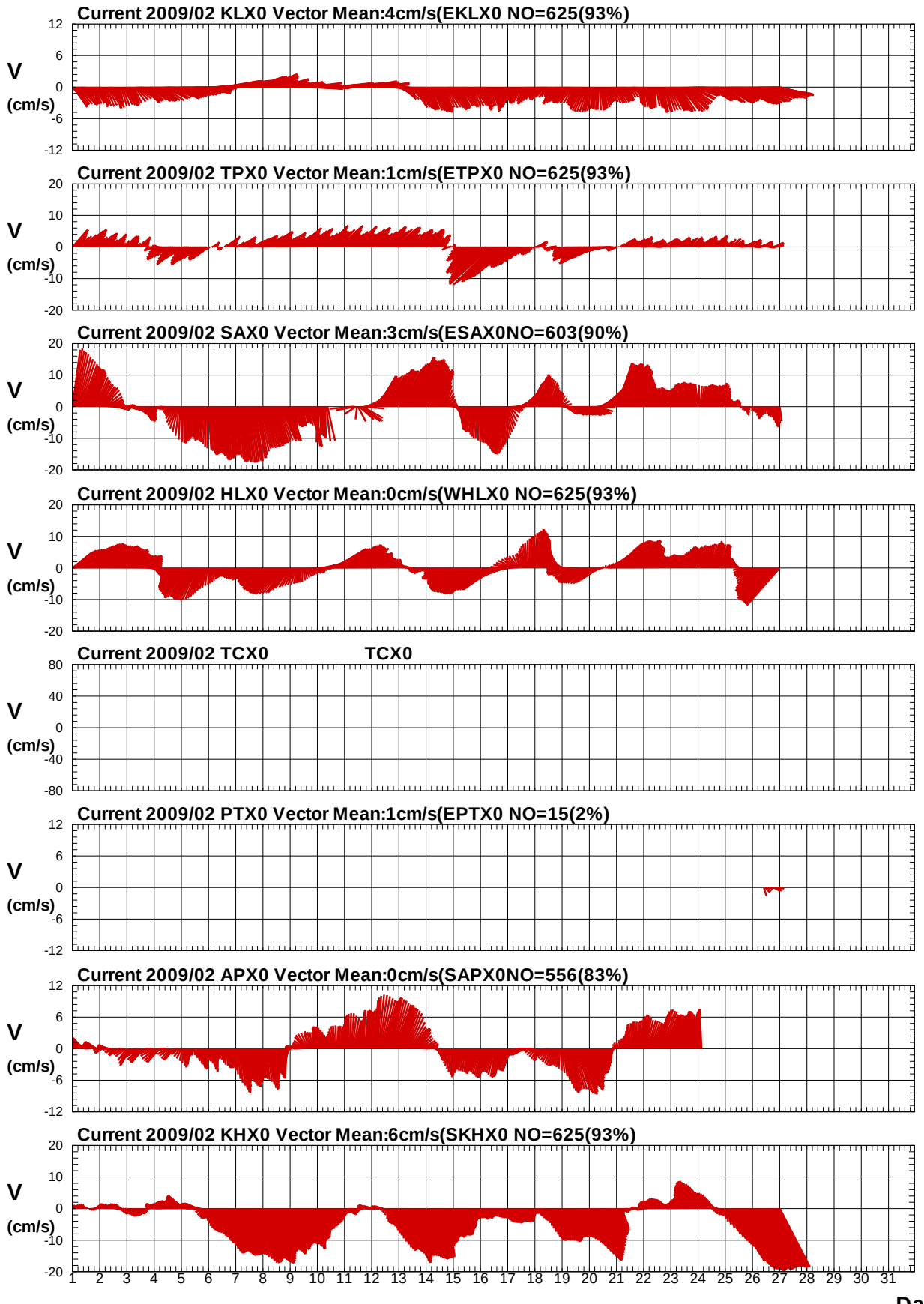


圖 4.9.36　2009年 2月8商港 48時平均流矢圖

C092KLX0.48H C092TPX0.48H C092SAX0.48H C092HLX0.48H C092TCX0.48H C092PTX0.48H
C092APX0.48H C092KHX0.48H

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2009/03

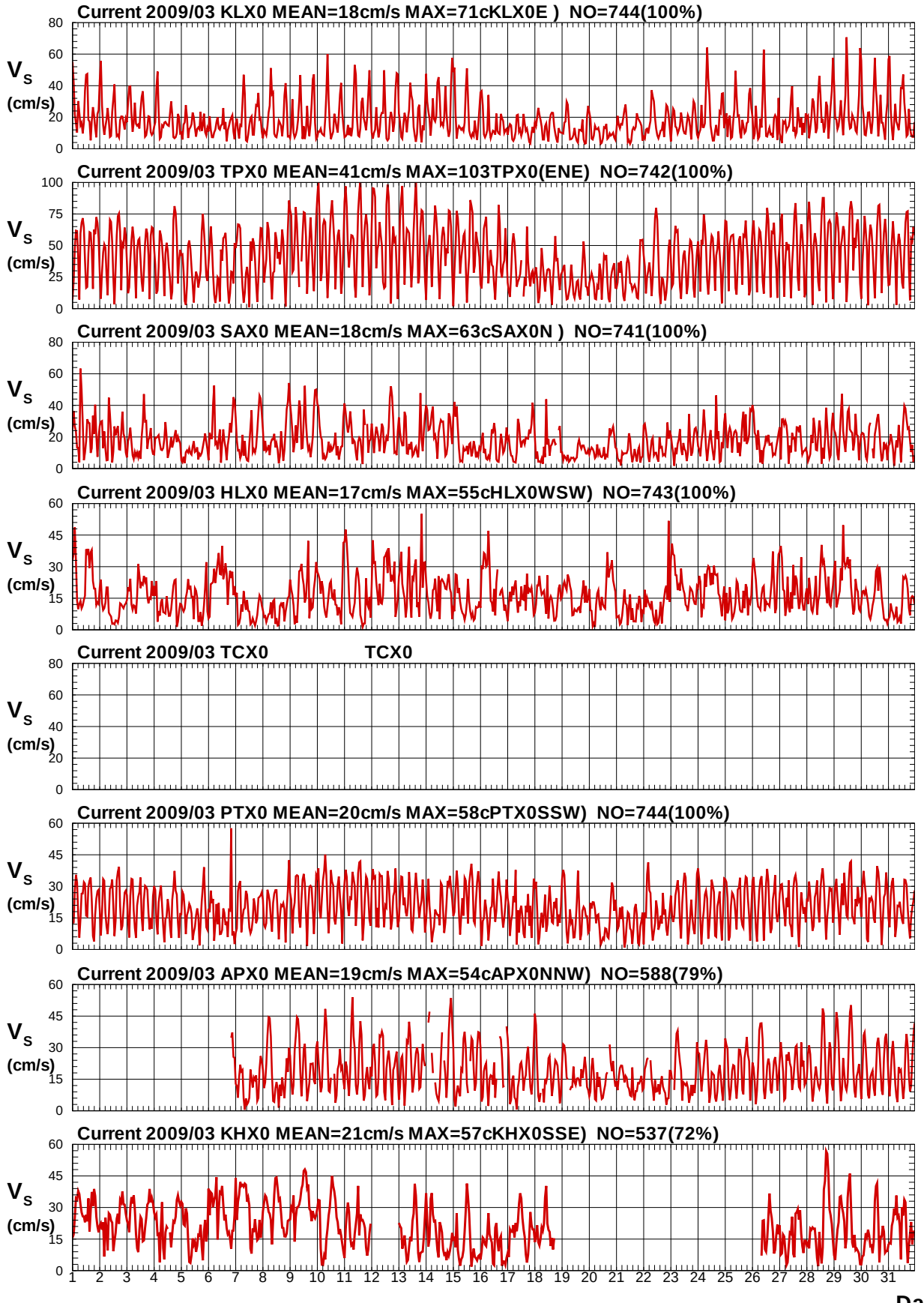


圖 4.9.37　2009年 3月8商港 觀測流速歷線圖

C093KLX0.1HA C093TPX0.1HA C093SAX0.1HA C093HLX0.1HA C093TCX0.1HA C093PTX0.1HA
C093APX0.1HA C093KHX0.1HA

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/03

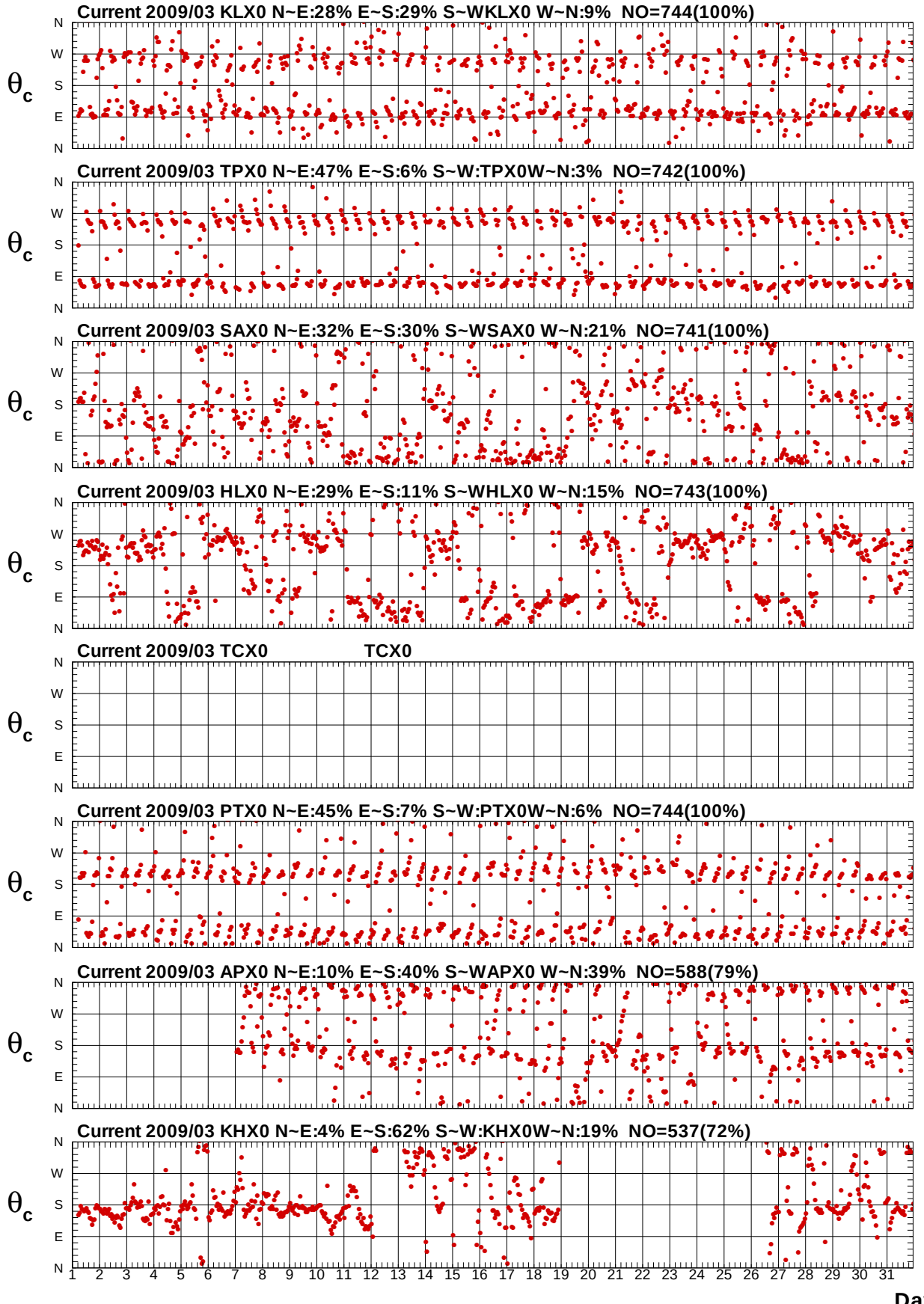


圖 4.9.38　2009年 3月8商港 觀測流向歷線圖

C093KLX0.1HA C093TPX0.1HA C093SAX0.1HA C093HLX0.1HA C093TCX0.1HA C093PTX0.1HA
C093APX0.1HA C093KHX0.1HA

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Eight Harbors Current Vector at 2009/03

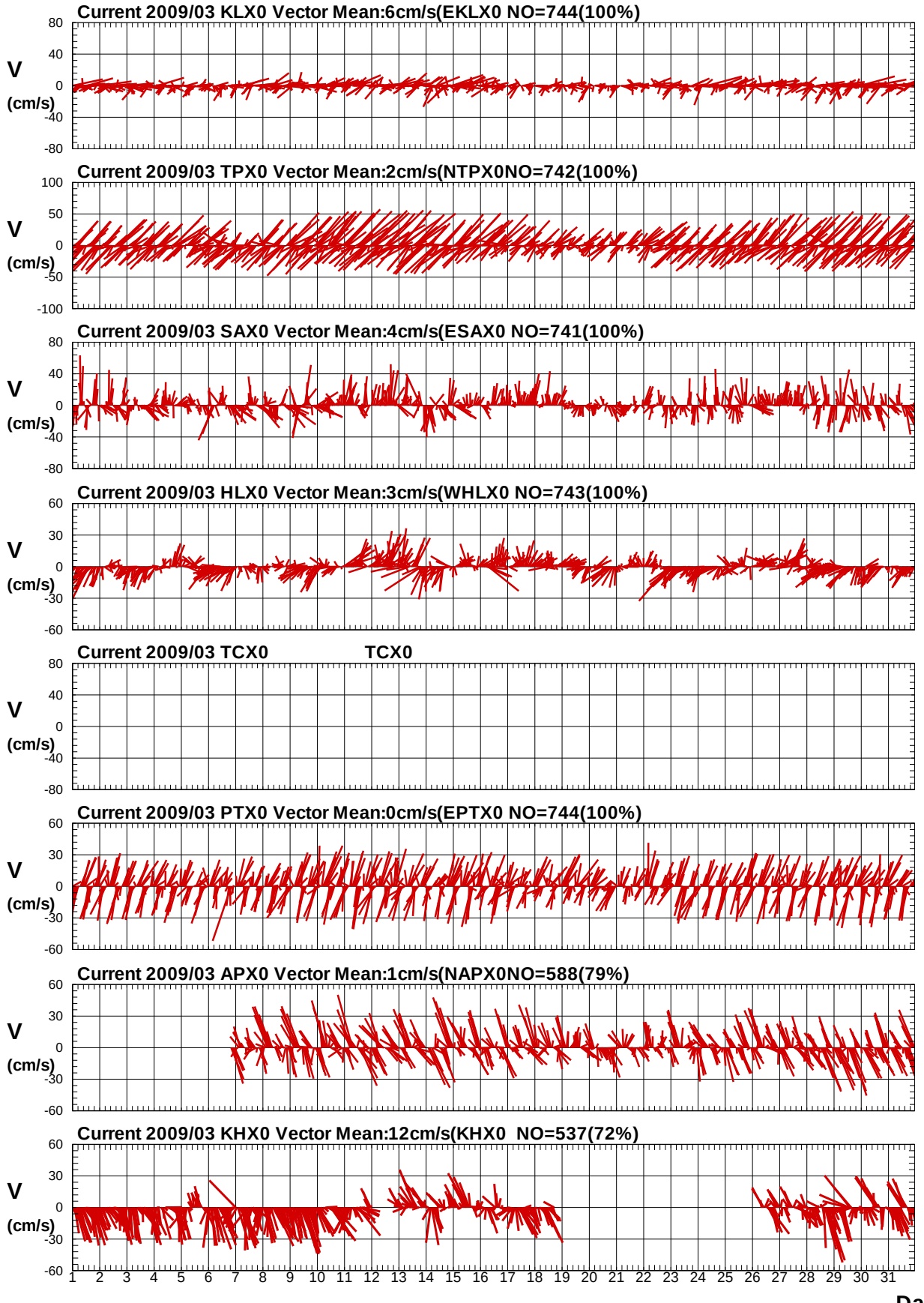


圖 4.9.39　2009年 3 月 8 商港 觀測流矢圖

C093KLX0.1HA C093TPX0.1HA C093SAX0.1HA C093HLX0.1HA C093TCX0.1HA C093PTX0.1HA
C093APX0.1HA C093KHX0.1HA

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Eight Harbors Current Speed at 2009/03

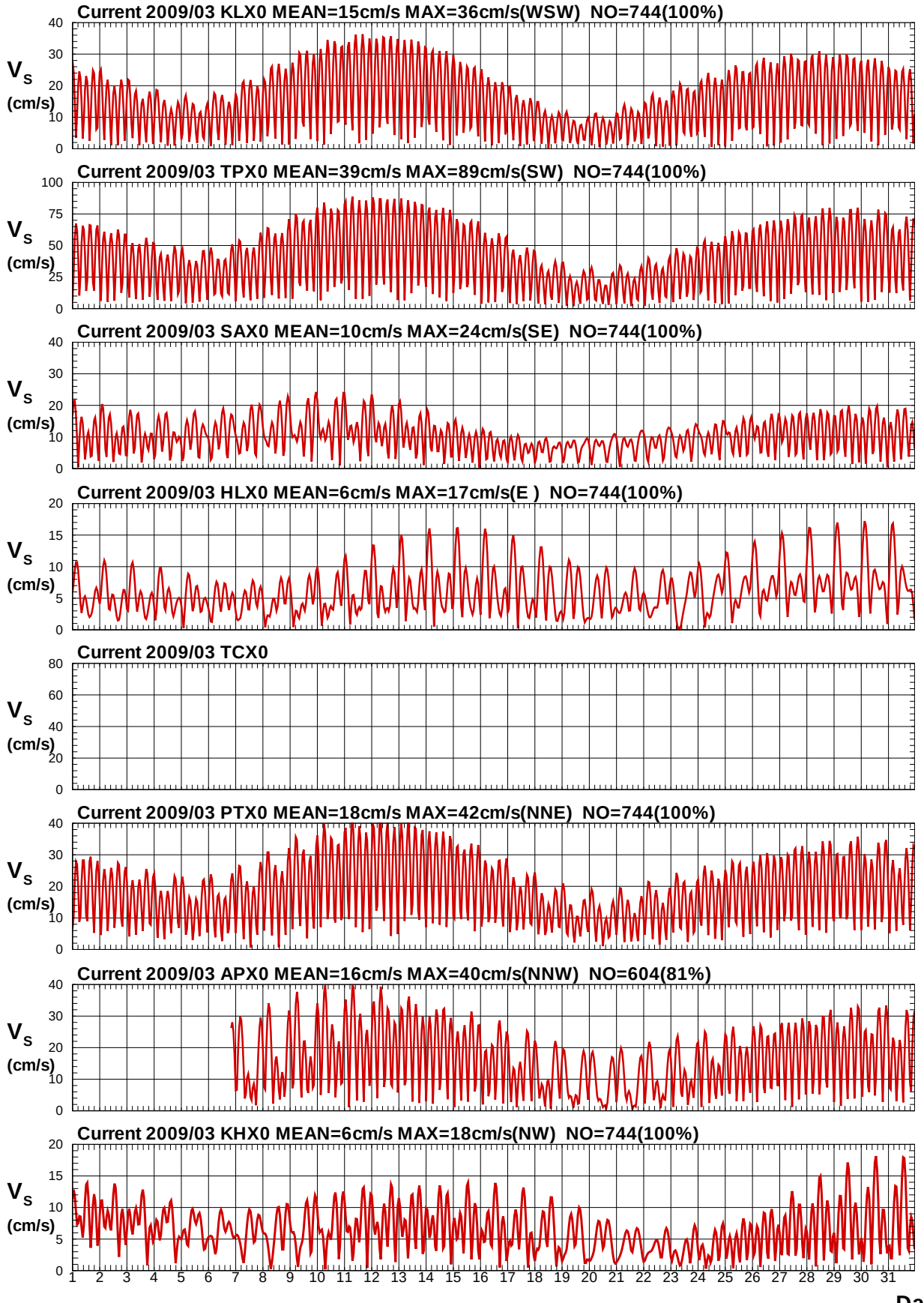


圖 4.9.40　2009年 3 月 8 商港 潮流流速歷線圖

C093KLX0.1HC C093TPX0.1HC C093SAX0.1HC C093HLX0.1HC C093TCX0.1HC C093PTX0.1HC
C093APX0.1HC C093KHX0.1HC

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Eight Harbors Current Direction at 2009/03

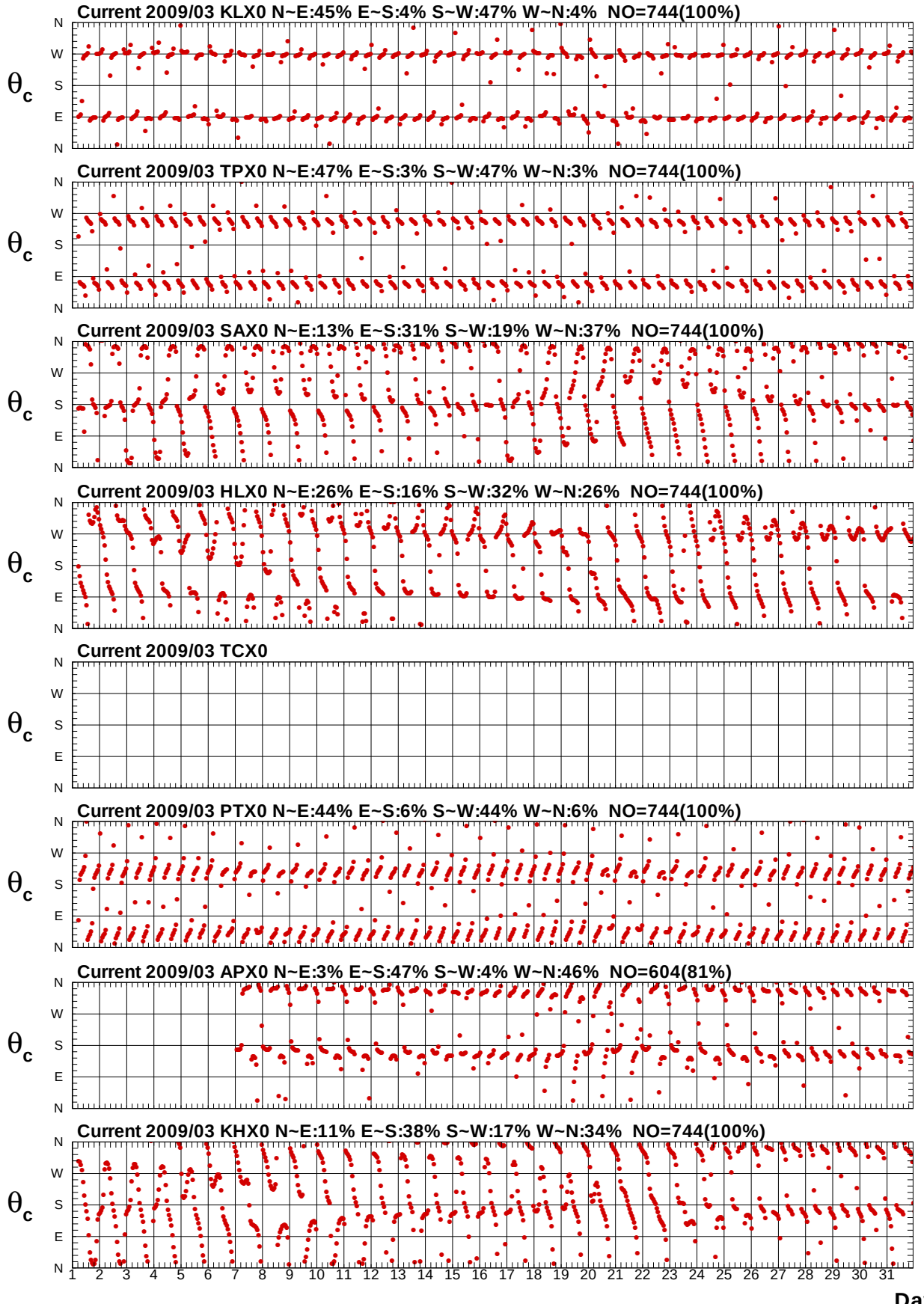


圖 4.9.41　2009年 3月8商港 潮流流向歷線圖

C093KLX0.1HC C093TPX0.1HC C093SAX0.1HC C093HLX0.1HC C093TCX0.1HC C093PTX0.1HC
C093APX0.1HC C093KHX0.1HC

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Eight Harbors Current Vector at 2009/03

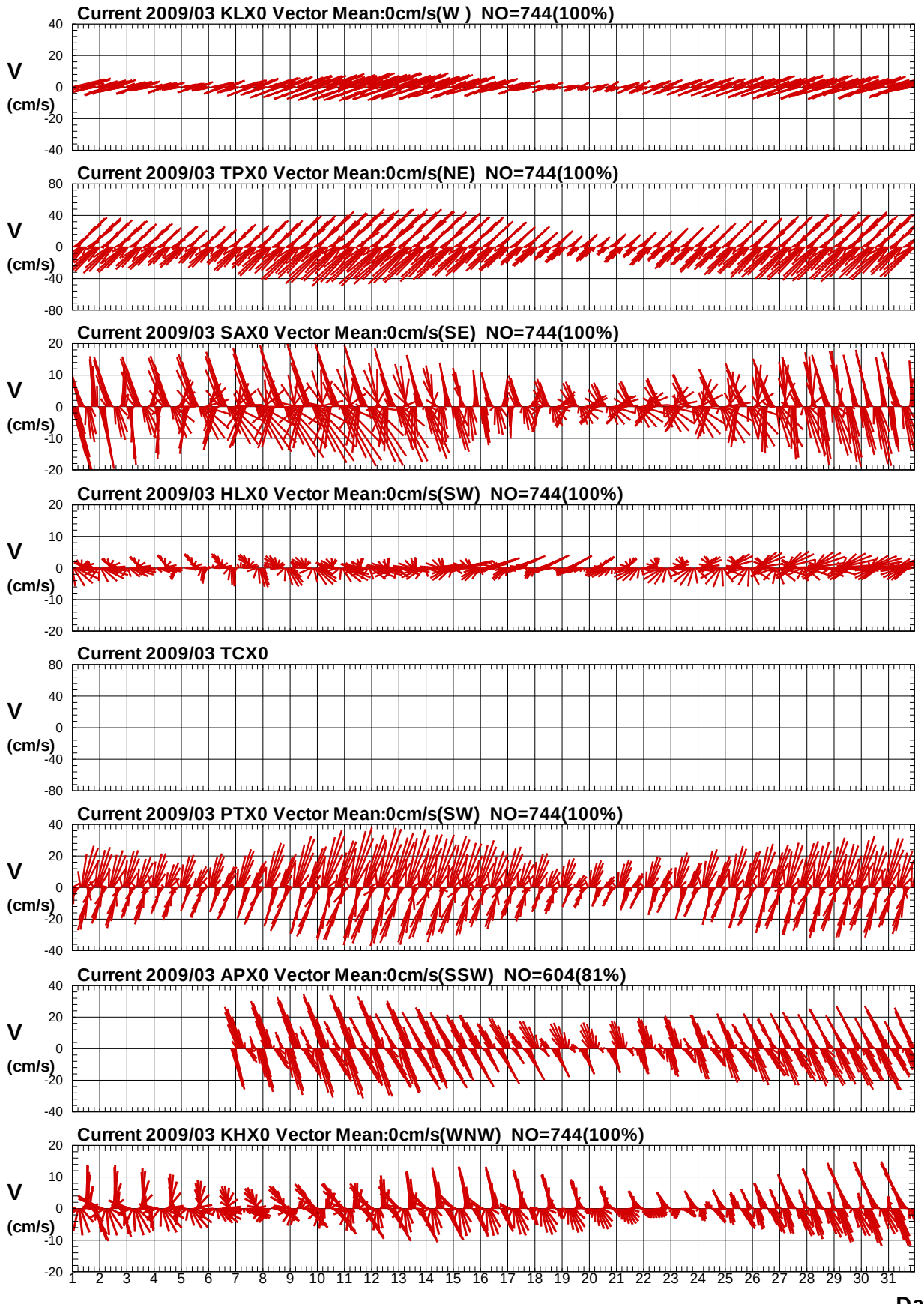


圖 4.9.42　2009年 3 月 8 商港 潮流流矢圖

C093KLX0.1HC C093TPX0.1HC C093SAX0.1HC C093HLX0.1HC C093TCX0.1HC C093PTX0.1HC
C093APX0.1HC C093KHX0.1HC

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Eight Harbors Current Speed at 2009/03

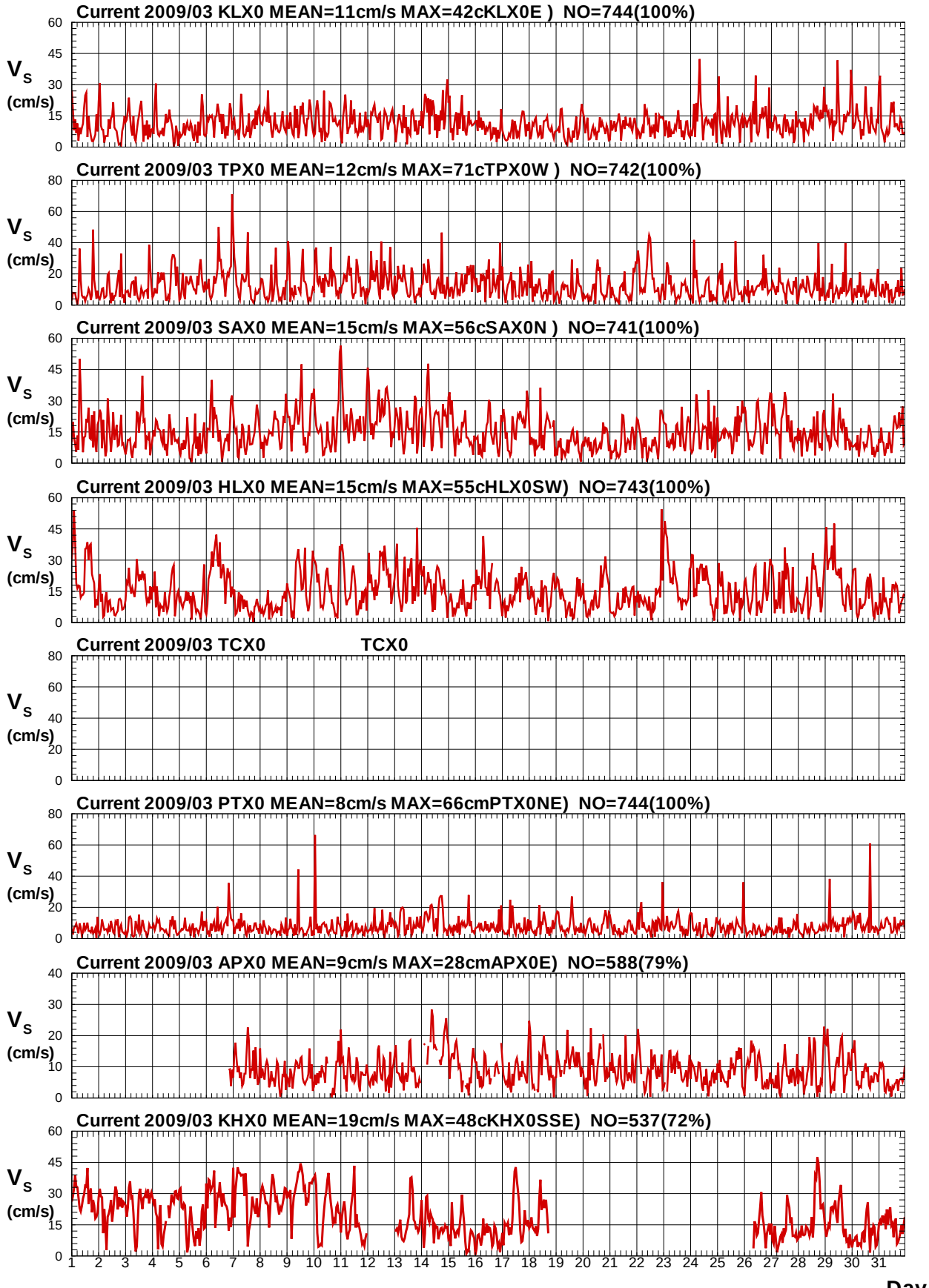


圖 4.9.43　2009年 3月8商港 非潮流速歷線圖

C093KLX0.1HR C093TPX0.1HR C093SAX0.1HR C093HLX0.1HR C093TCX0.1HR C093PTX0.1HR
C093APX0.1HR C093KHX0.1HR

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Eight Harbors Current Direction at 2009/03

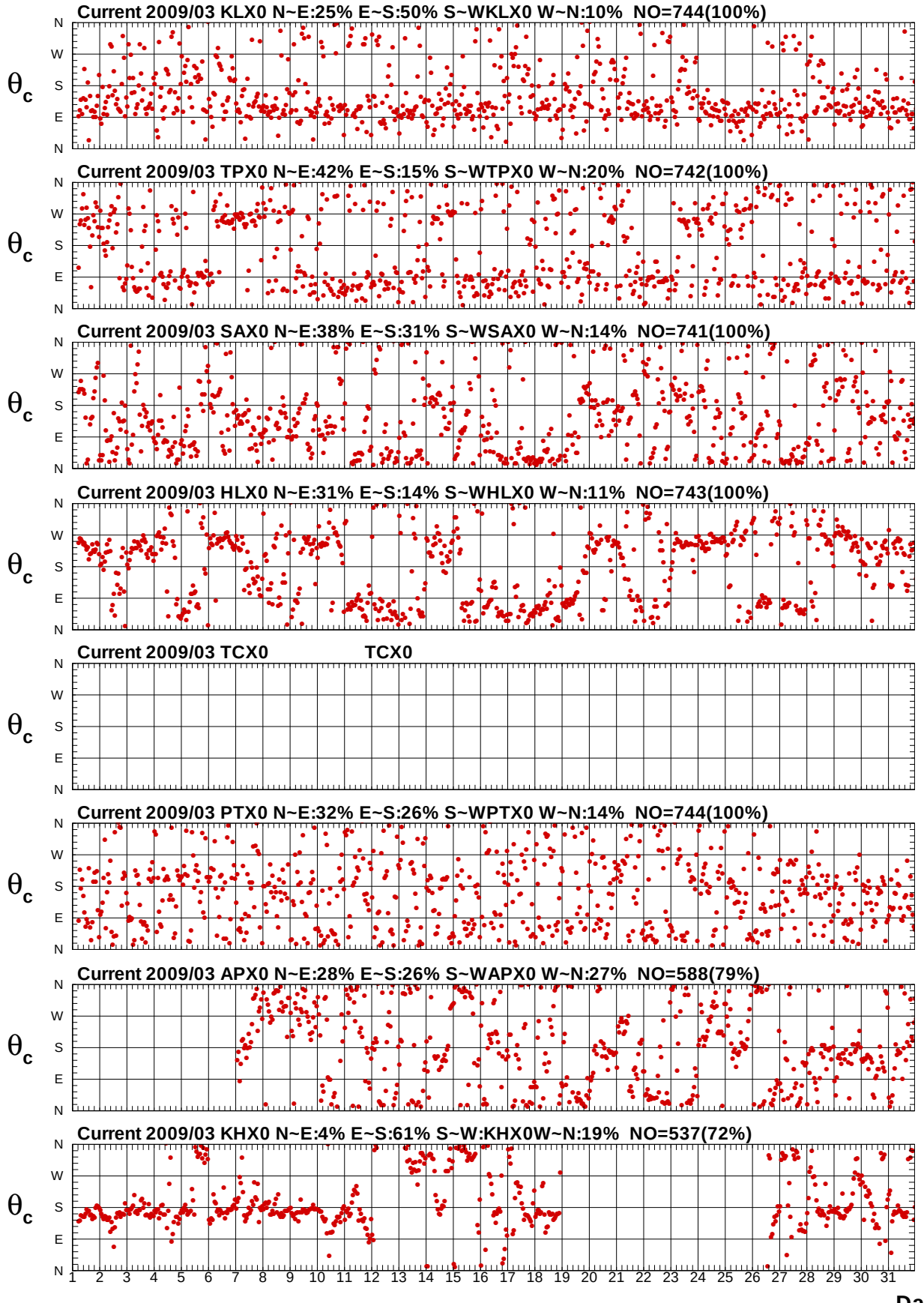


圖 4.9.44　2009年 3月8商港 非潮流向歷線圖

C093KLX0.1HR C093TPX0.1HR C093SAX0.1HR C093HLX0.1HR C093TCX0.1HR C093PTX0.1HR
C093APX0.1HR C093KHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/03

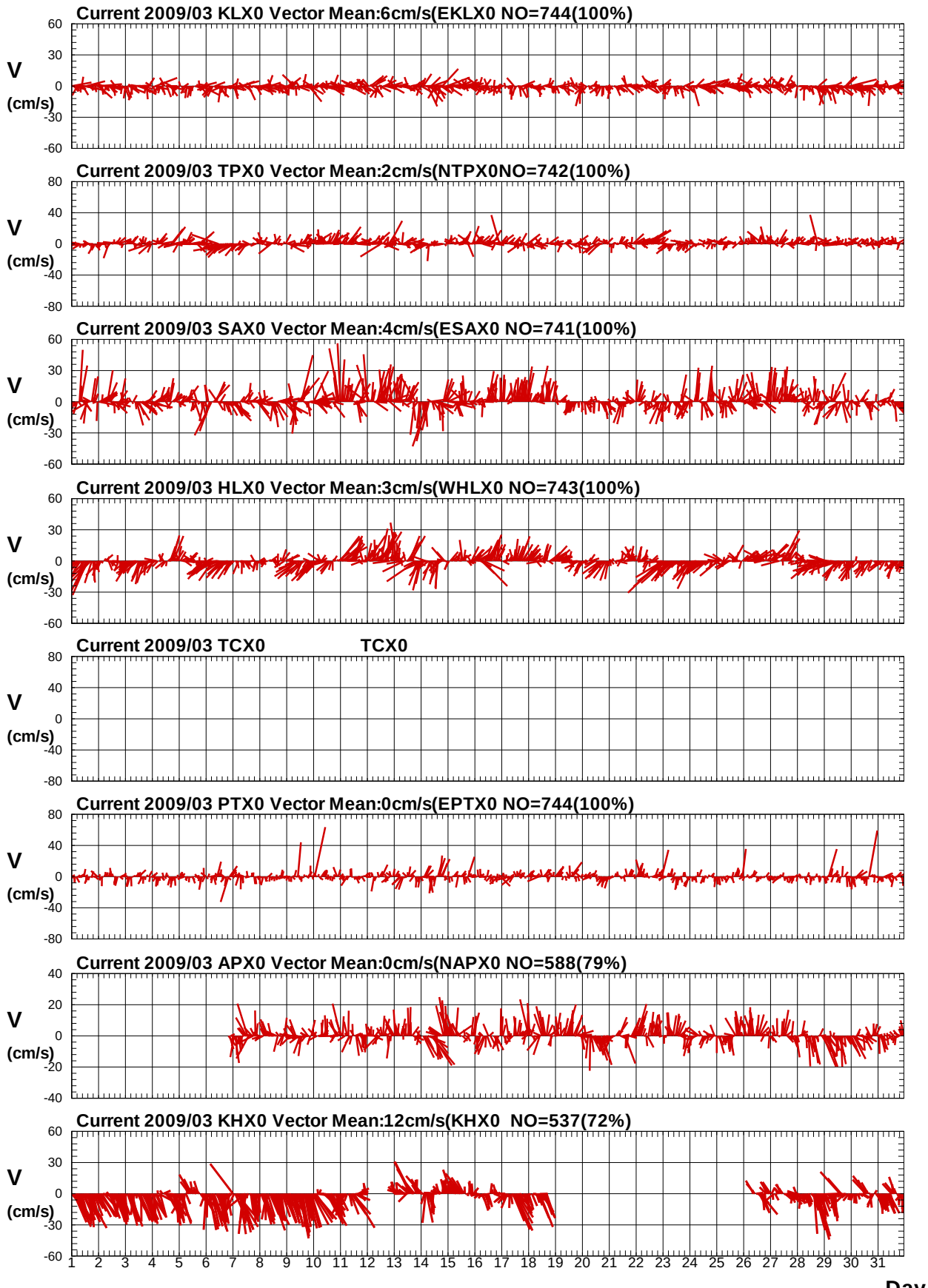


圖 4.9.45　2009年 3 月 8 商港 非潮流矢圖

C093KLX0.1HR C093TPX0.1HR C093SAX0.1HR C093HLX0.1HR C093TCX0.1HR C093PTX0.1HR
C093APX0.1HR C093KHX0.1HR

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Eight Harbors Current Speed at 2009/03

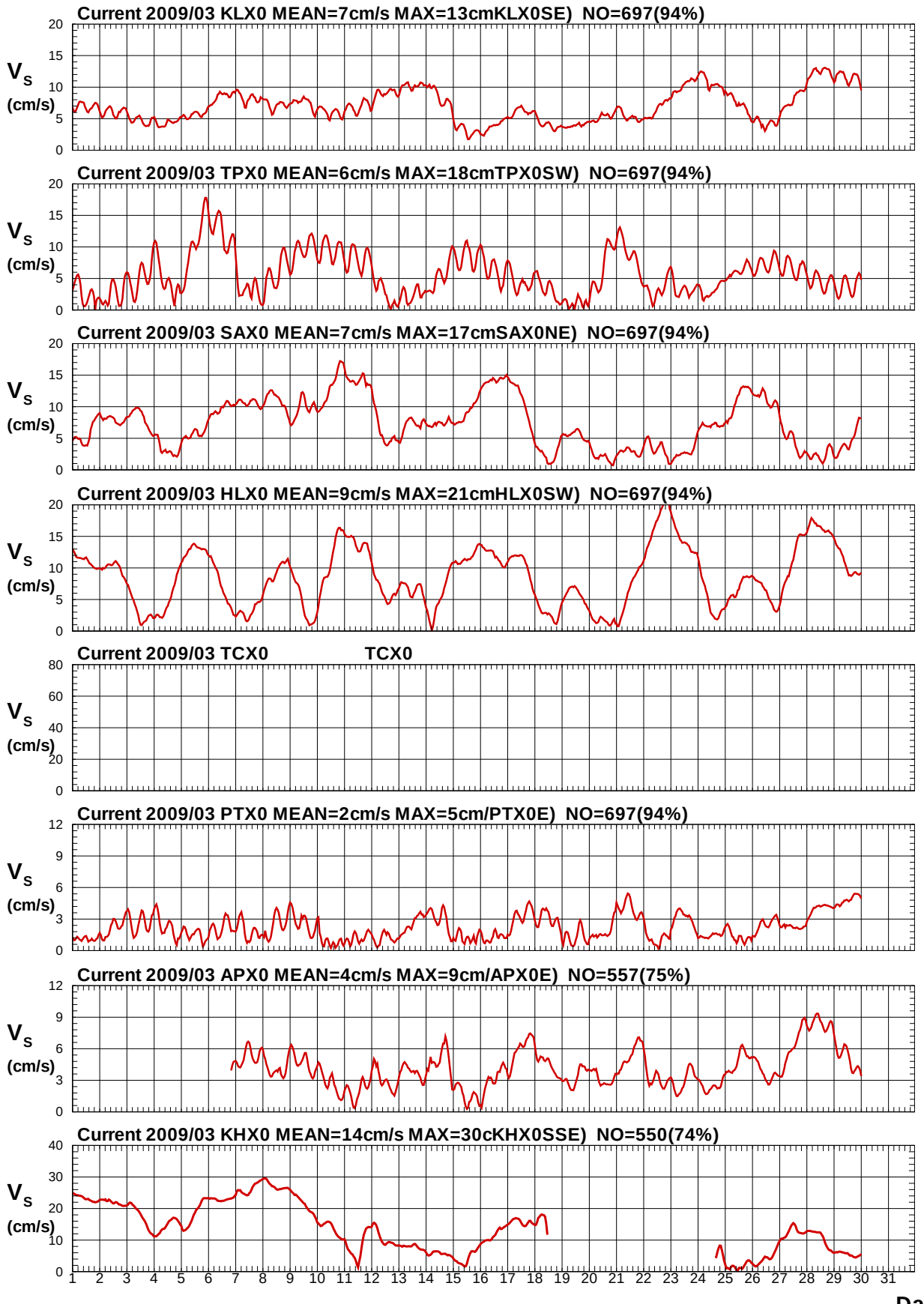


圖 4.9.46　2009年 3 月 8 商港 48時平均流速歷線圖

C093KLX0.48H C093TPX0.48H C093SAX0.48H C093HLX0.48H C093TCX0.48H C093PTX0.48H
C093APX0.48H C093KHX0.48H

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Eight Harbors Current Direction at 2009/03

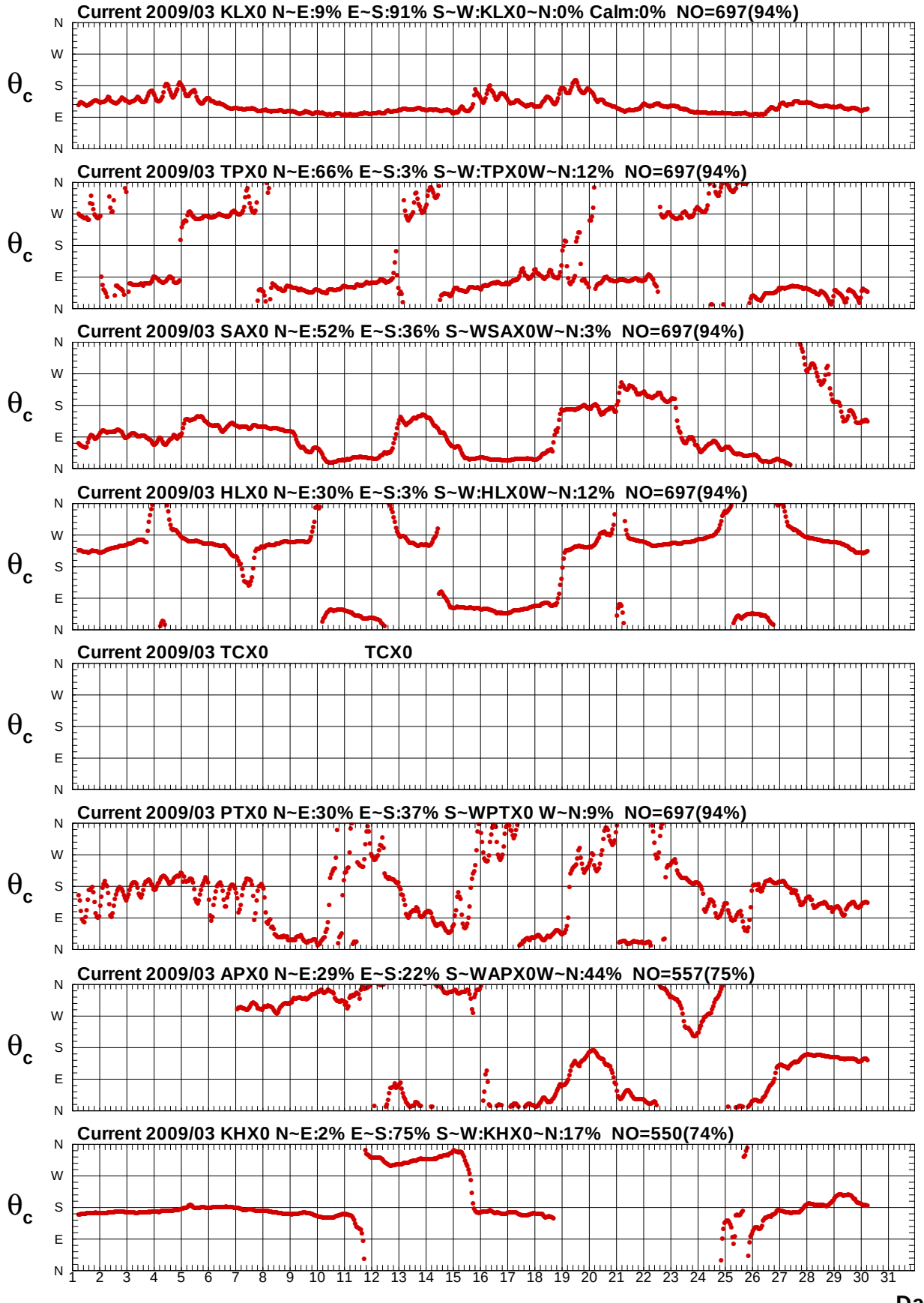


圖 4.9.47　2009年 3 月 8 商港 48時平均流向歷線圖

C093KLX0.48H C093TPX0.48H C093SAX0.48H C093HLX0.48H C093TCX0.48H C093PTX0.48H
C093APX0.48H C093KHX0.48H

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Eight Harbors Current Vector at 2009/03

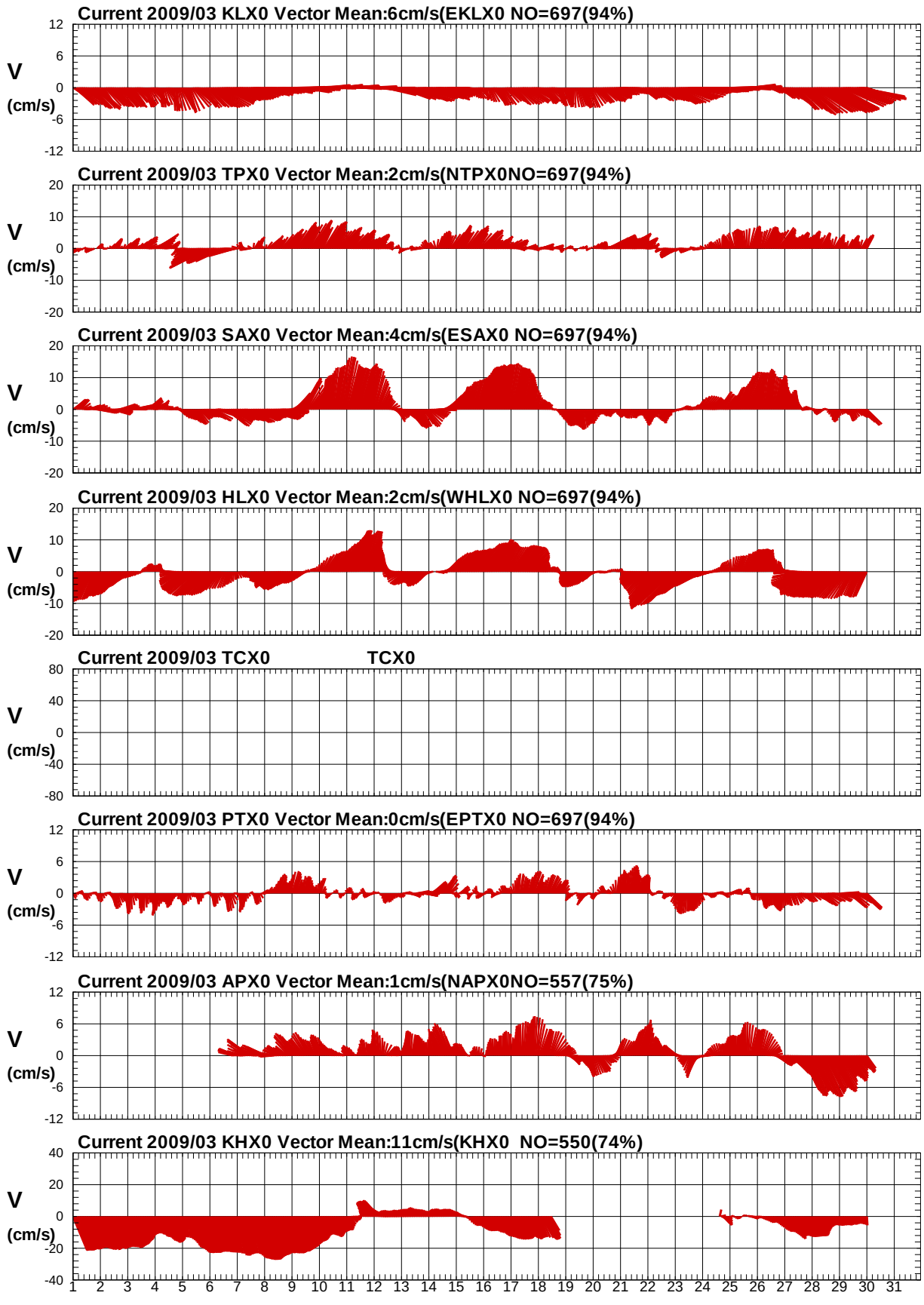


圖 4.9.48　2009年 3月8商港 48時平均流矢圖

C093KLX0.48H C093TPX0.48H C093SAX0.48H C093HLX0.48H C093TCX0.48H C093PTX0.48H
C093APX0.48H C093KHX0.48H

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Eight Harbors Current Speed at 2009/04

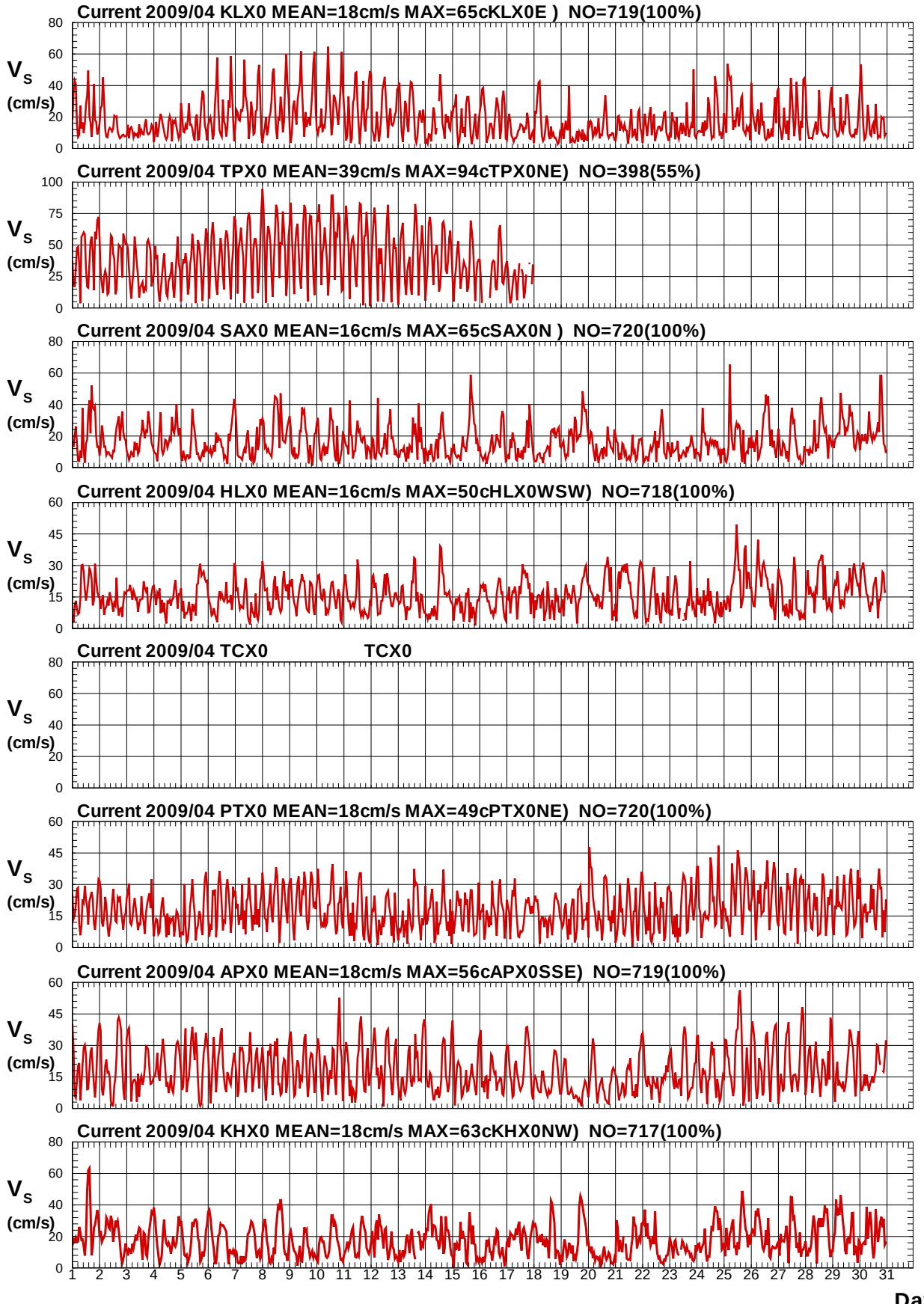


圖 4.9.49　2009年 4 月 8 商港 觀測流速歷線圖

C094KLX0.1HA C094TPX0.1HA C094SAX0.1HA C094HLX0.1HA C094TCX0.1HA C094PTX0.1HA
C094APX0.1HA C094KHX0.1HA

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Eight Harbors Current Direction at 2009/04

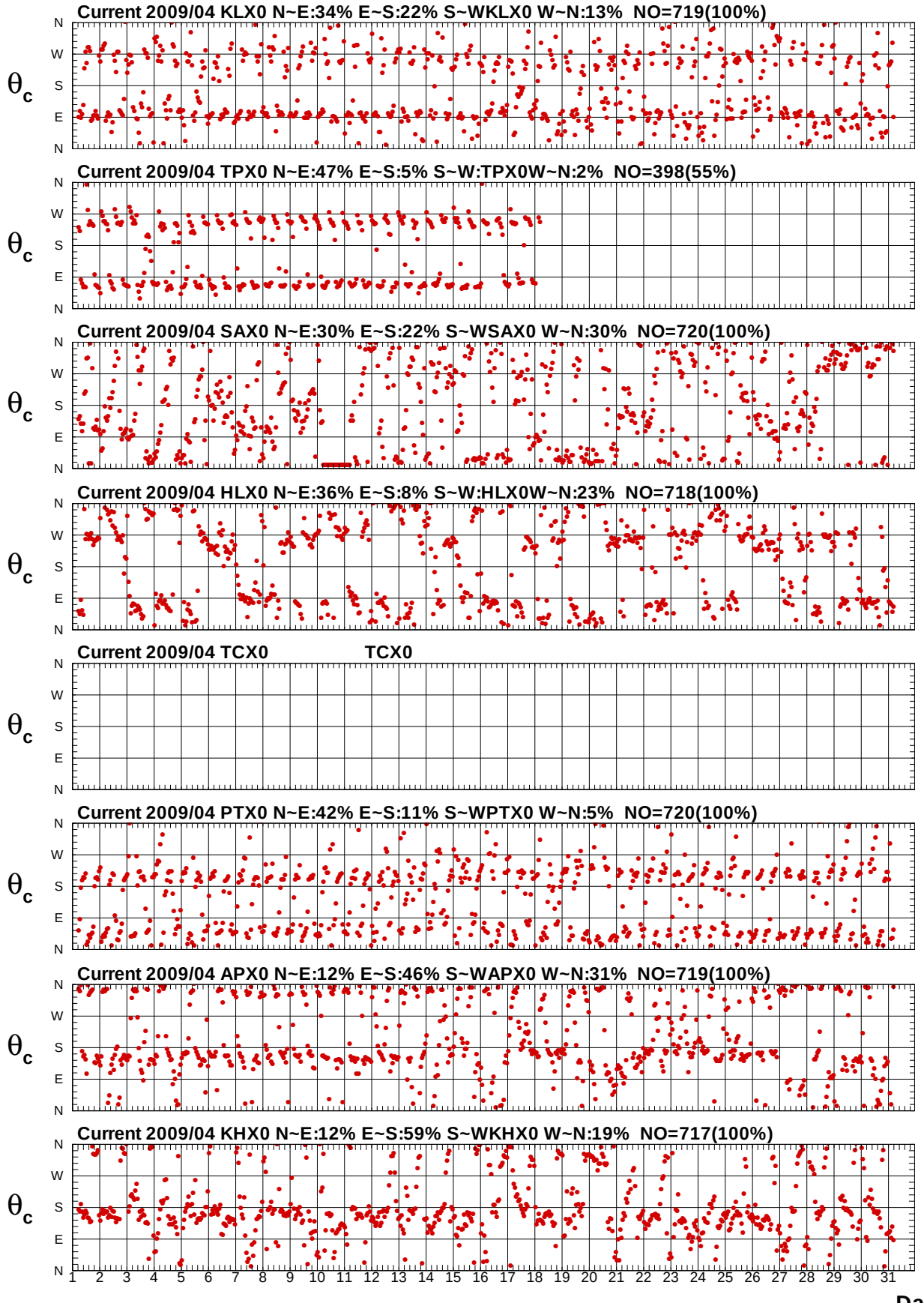


圖 4.9.50　2009年 4 月 8 商港 觀測流向歷線圖

C094KLX0.1HA C094TPX0.1HA C094SAX0.1HA C094HLX0.1HA C094TCX0.1HA C094PTX0.1HA
C094APX0.1HA C094KHX0.1HA

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Eight Harbors Current Vector at 2009/04

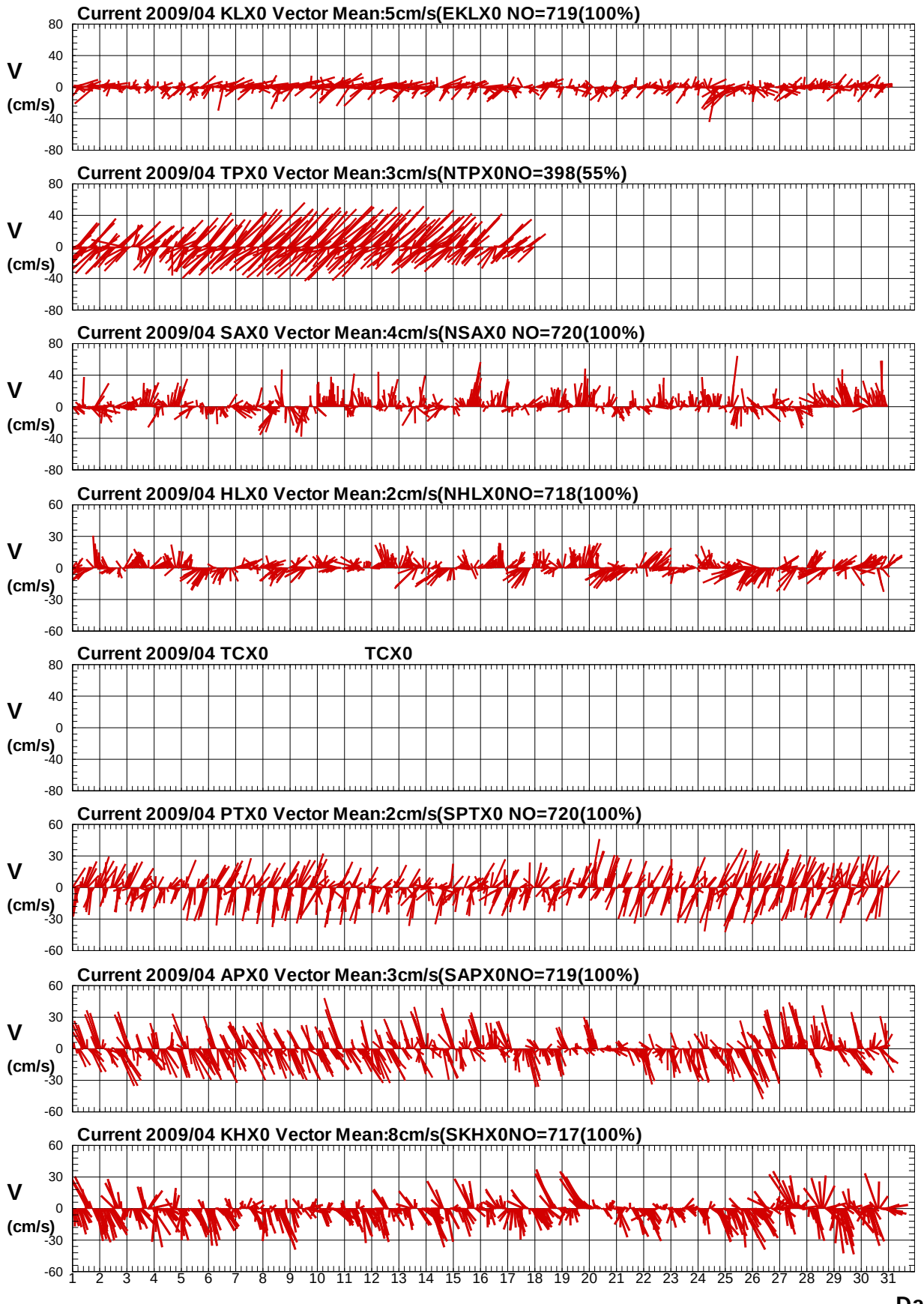


圖 4.9.51　2009年 4月8商港 觀測流矢圖

C094KLX0.1HA C094TPX0.1HA C094SAX0.1HA C094HLX0.1HA C094TCX0.1HA C094PTX0.1HA
C094APX0.1HA C094KHX0.1HA

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Eight Harbors Current Speed at 2009/04

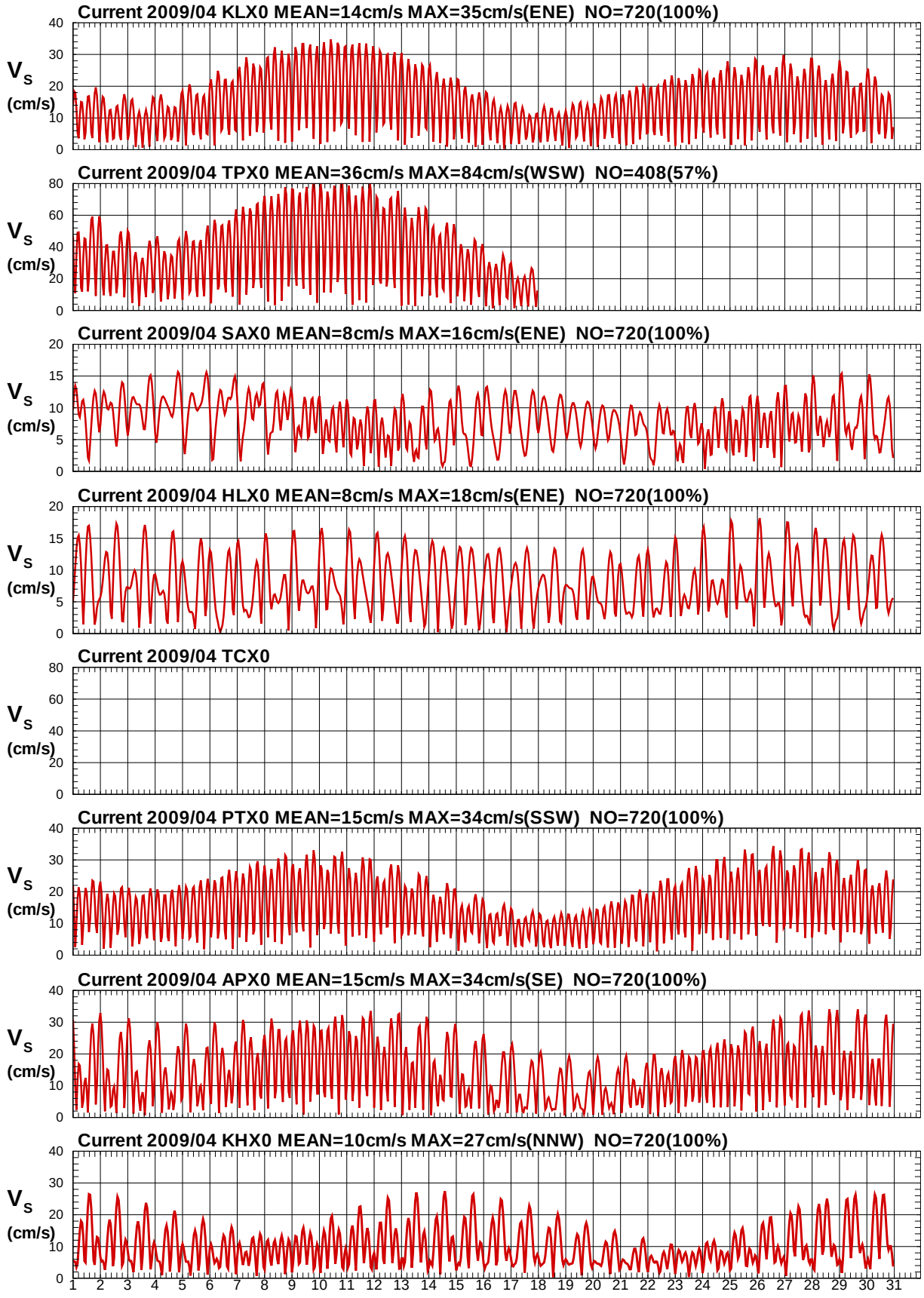


圖 4.9.52　2009年 4 月 8 商港 潮流流速歷線圖

C094KLX0.1HC C094TPX0.1HC C094SAX0.1HC C094HLX0.1HC C094TCX0.1HC C094PTX0.1HC
C094APX0.1HC C094KHX0.1HC

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Eight Harbors Current Direction at 2009/04

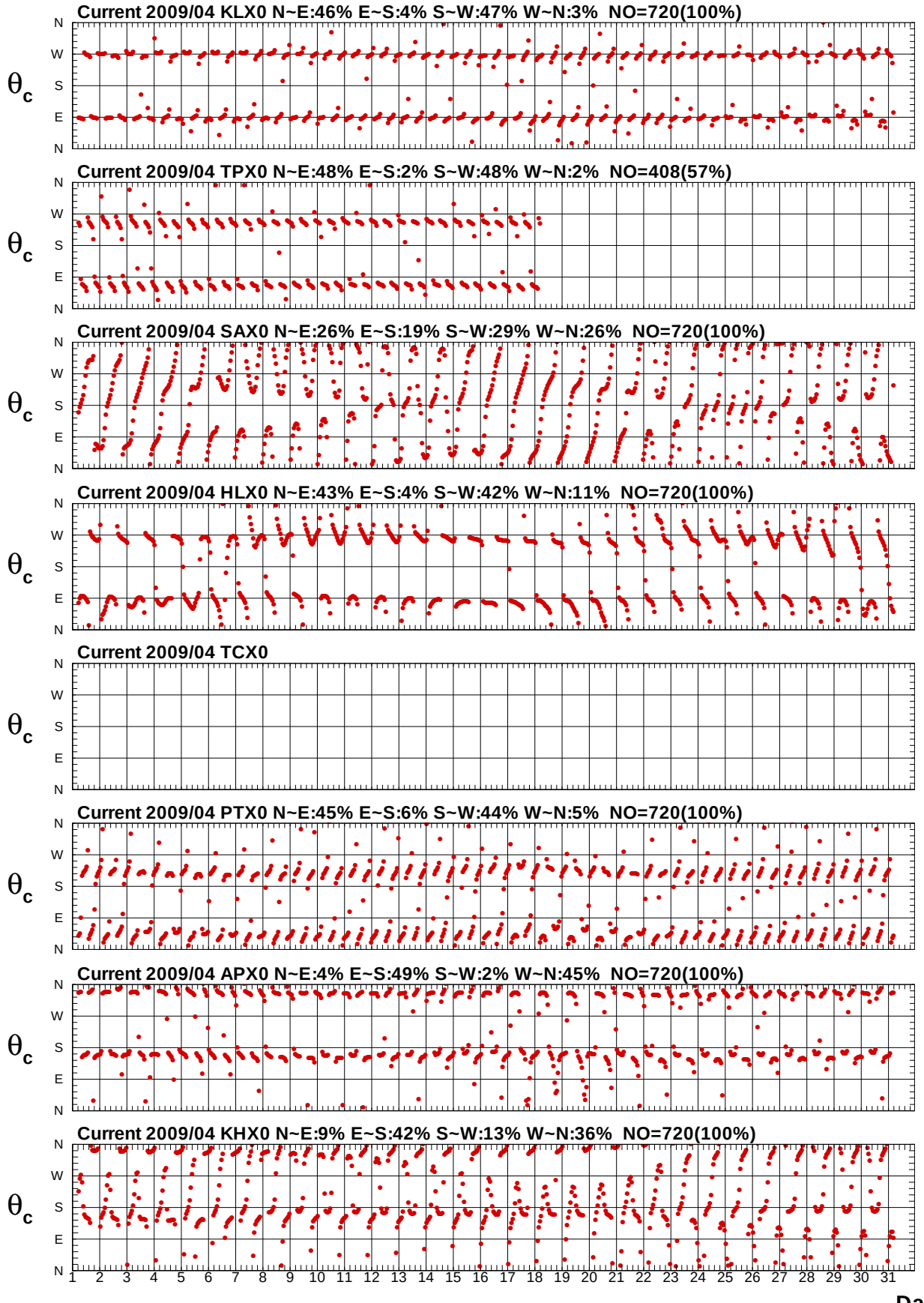


圖 4.9.53　2009年 4 月 8 商港 潮流流向歷線圖

C094KLX0.1HC C094TPX0.1HC C094SAX0.1HC C094HLX0.1HC C094TCX0.1HC C094PTX0.1HC C094APX0.1HC C094KHX0.1HC

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Eight Harbors Current Vector at 2009/04

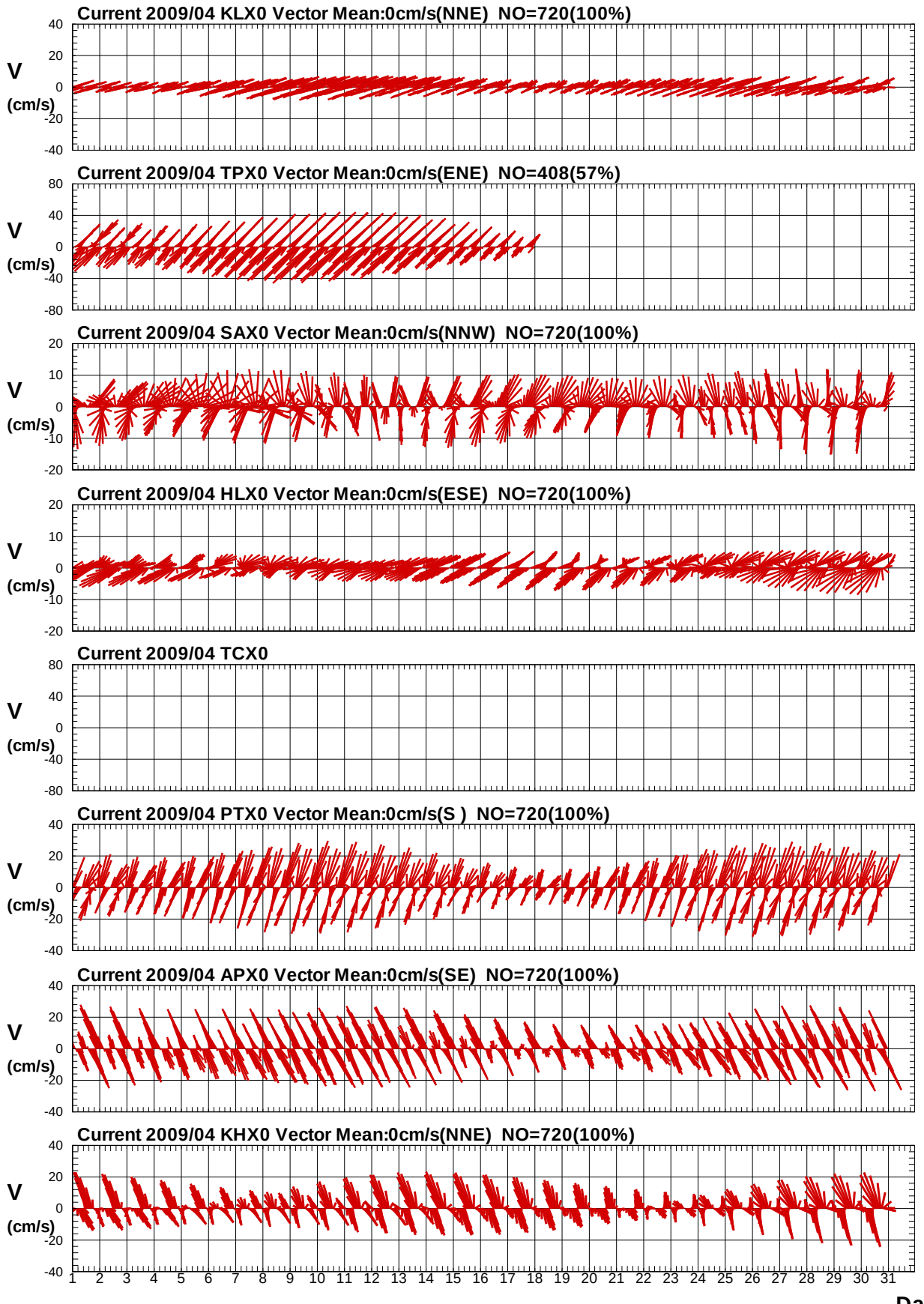


圖 4.9.54　2009年 4 月 8 商港 潮流流矢圖

C094KLX0.1HC C094TPX0.1HC C094SAX0.1HC C094HLX0.1HC C094TCX0.1HC C094PTX0.1HC
C094APX0.1HC C094KHX0.1HC

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Eight Harbors Current Speed at 2009/04

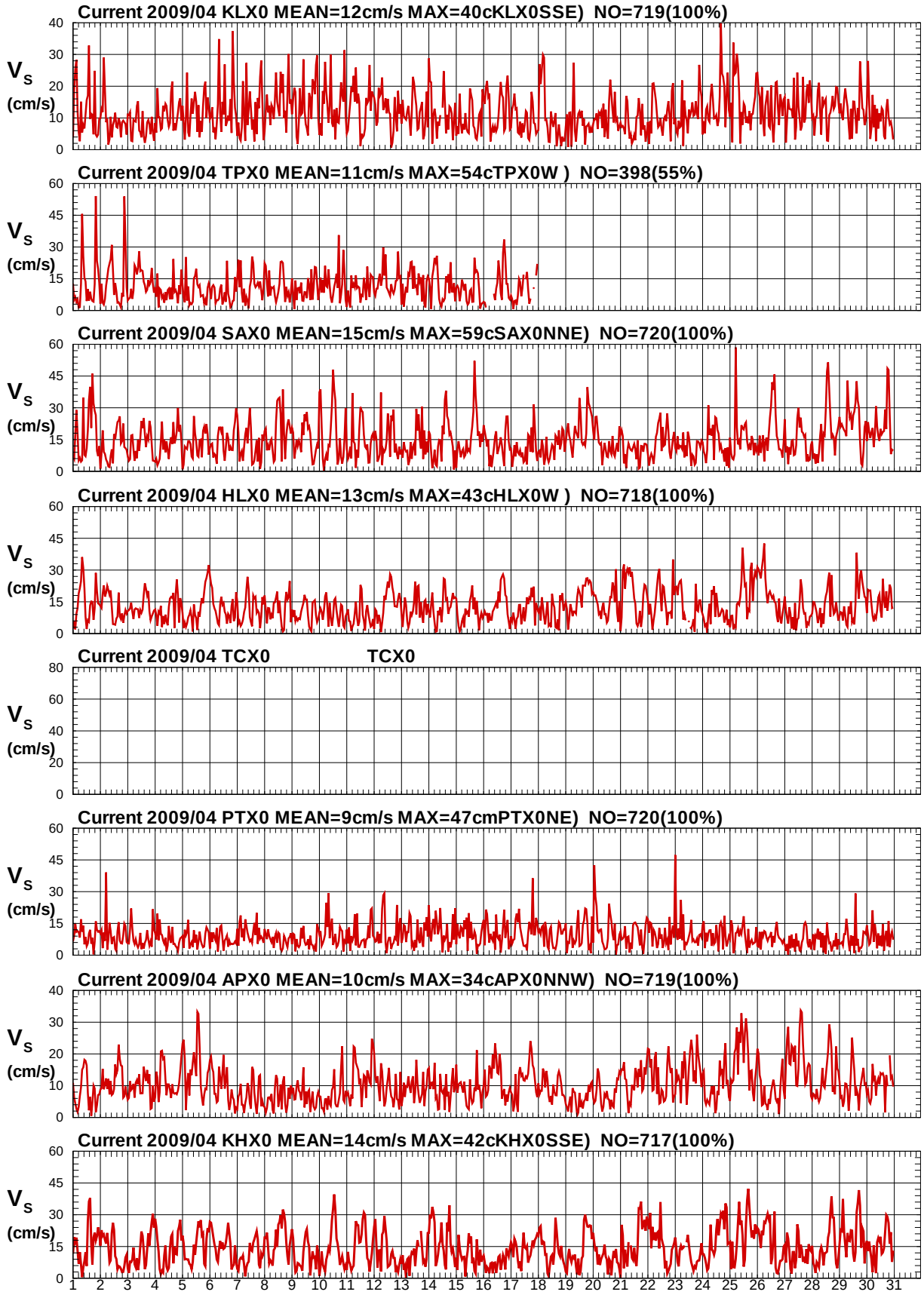


圖 4.9.55　2009年 4 月 8 商港 非潮流速歷線圖

C094KLX0.1HR C094TPX0.1HR C094SAX0.1HR C094HLX0.1HR C094TCX0.1HR C094PTX0.1HR
C094APX0.1HR C094KHX0.1HR

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Eight Harbors Current Direction at 2009/04

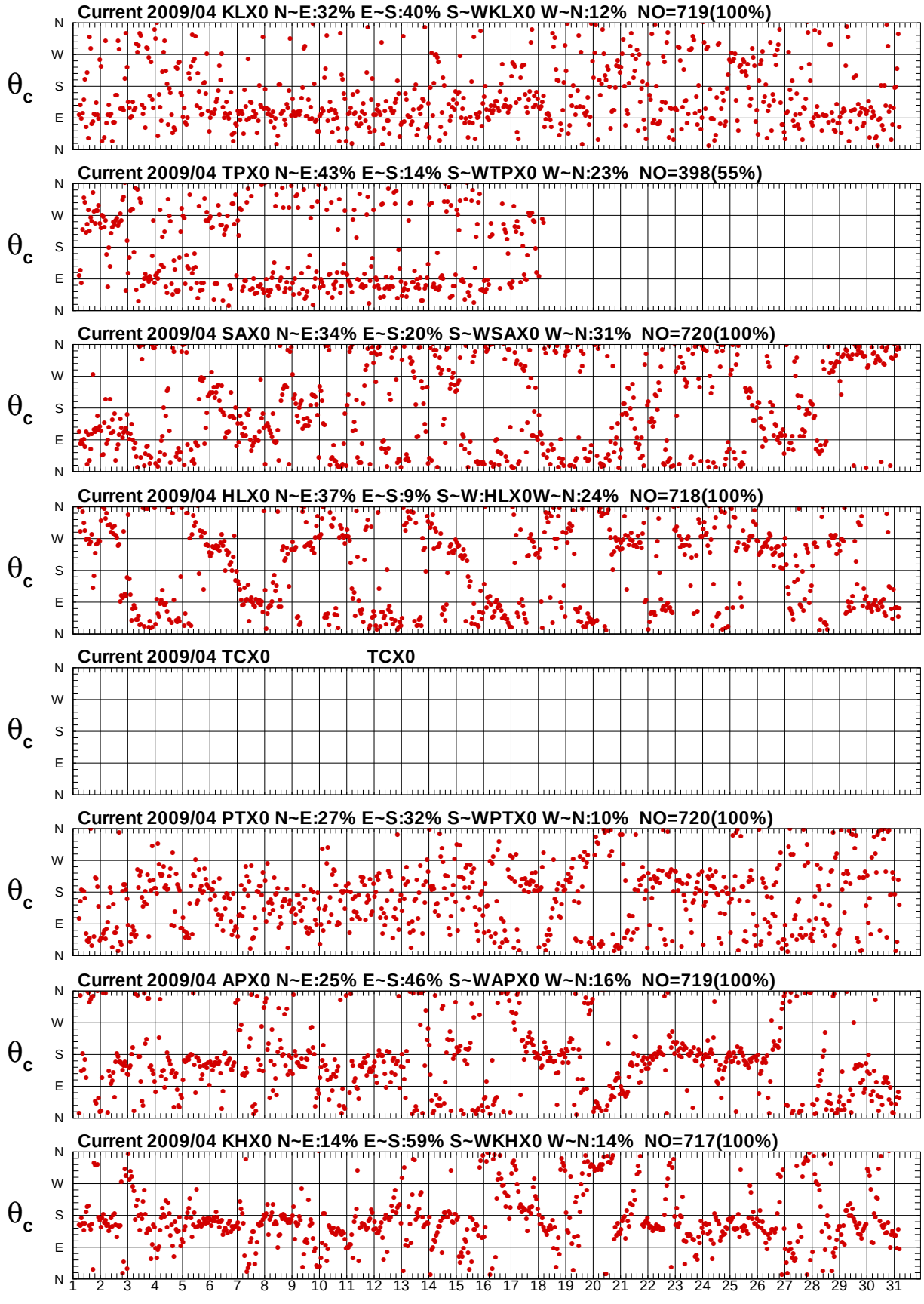


圖 4.9.56　2009年 4 月 8 商港 非潮流向歷線圖

C094KLX0.1HR C094TPX0.1HR C094SAX0.1HR C094HLX0.1HR C094TCX0.1HR C094PTX0.1HR
C094APX0.1HR C094KHX0.1HR

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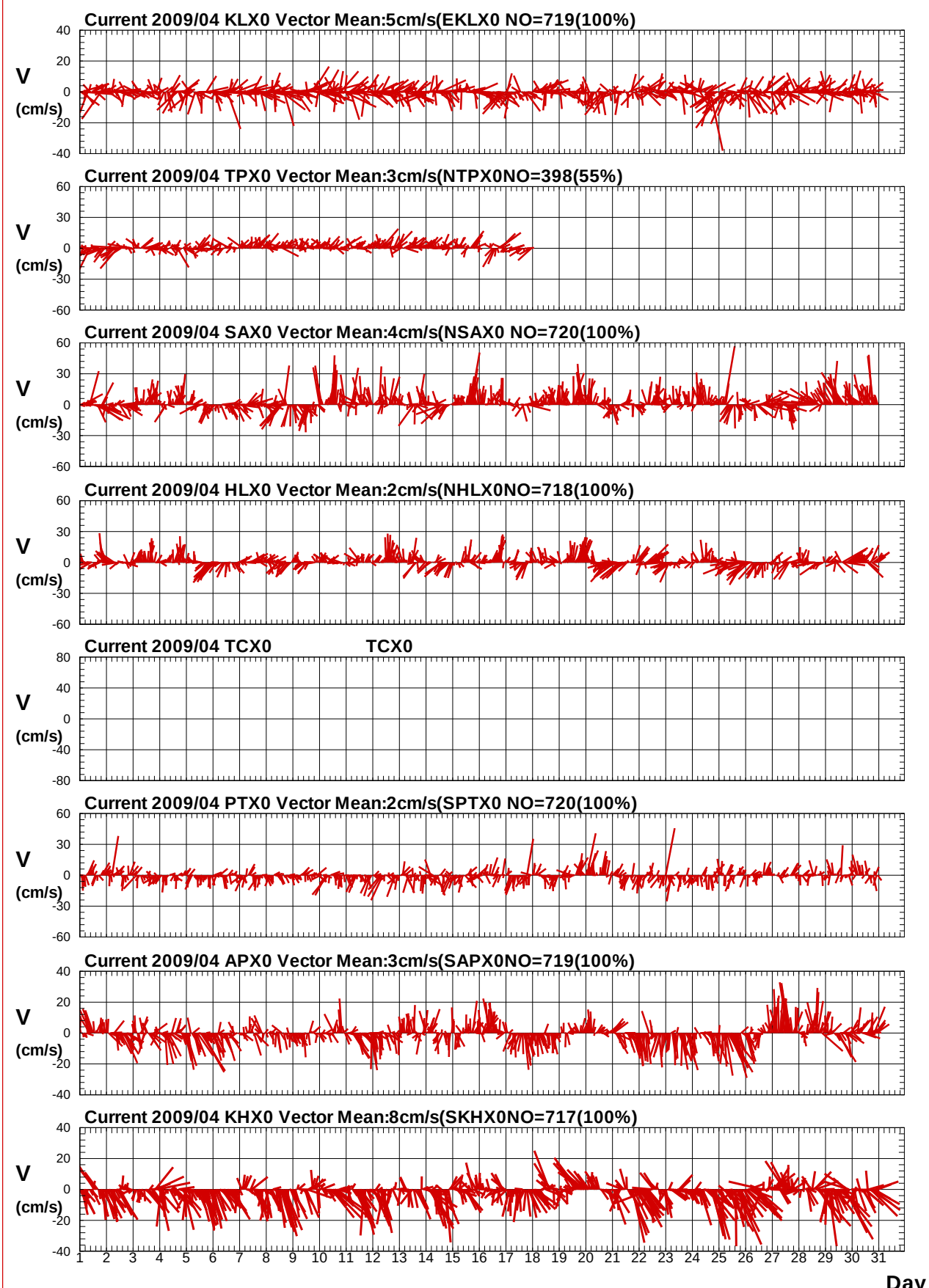


圖 4.9.57　2009年 4月8商港 非潮流矢圖

C094KLX0.1HR C094TPX0.1HR C094SAX0.1HR C094HLX0.1HR C094TCX0.1HR C094PTX0.1HR
C094APX0.1HR C094KHX0.1HR

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Eight Harbors Current Speed at 2009/04

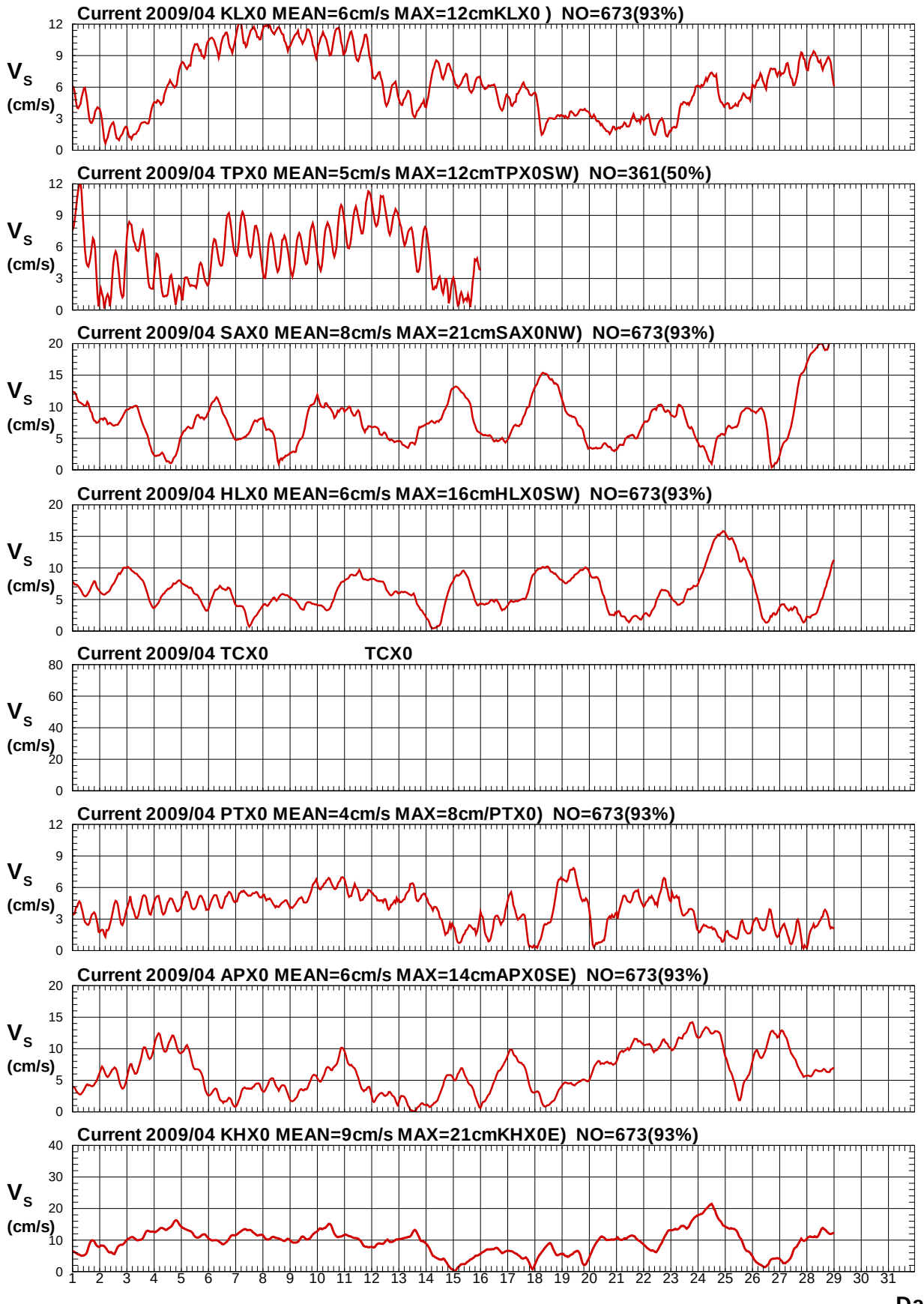


圖 4.9.58　2009年 4 月 8 商港 48時平均流速歷線圖

C094KLX0.48H C094TPX0.48H C094SAX0.48H C094HLX0.48H C094TCX0.48H C094PTX0.48H
C094APX0.48H C094KHX0.48H

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Eight Harbors Current Direction at 2009/04

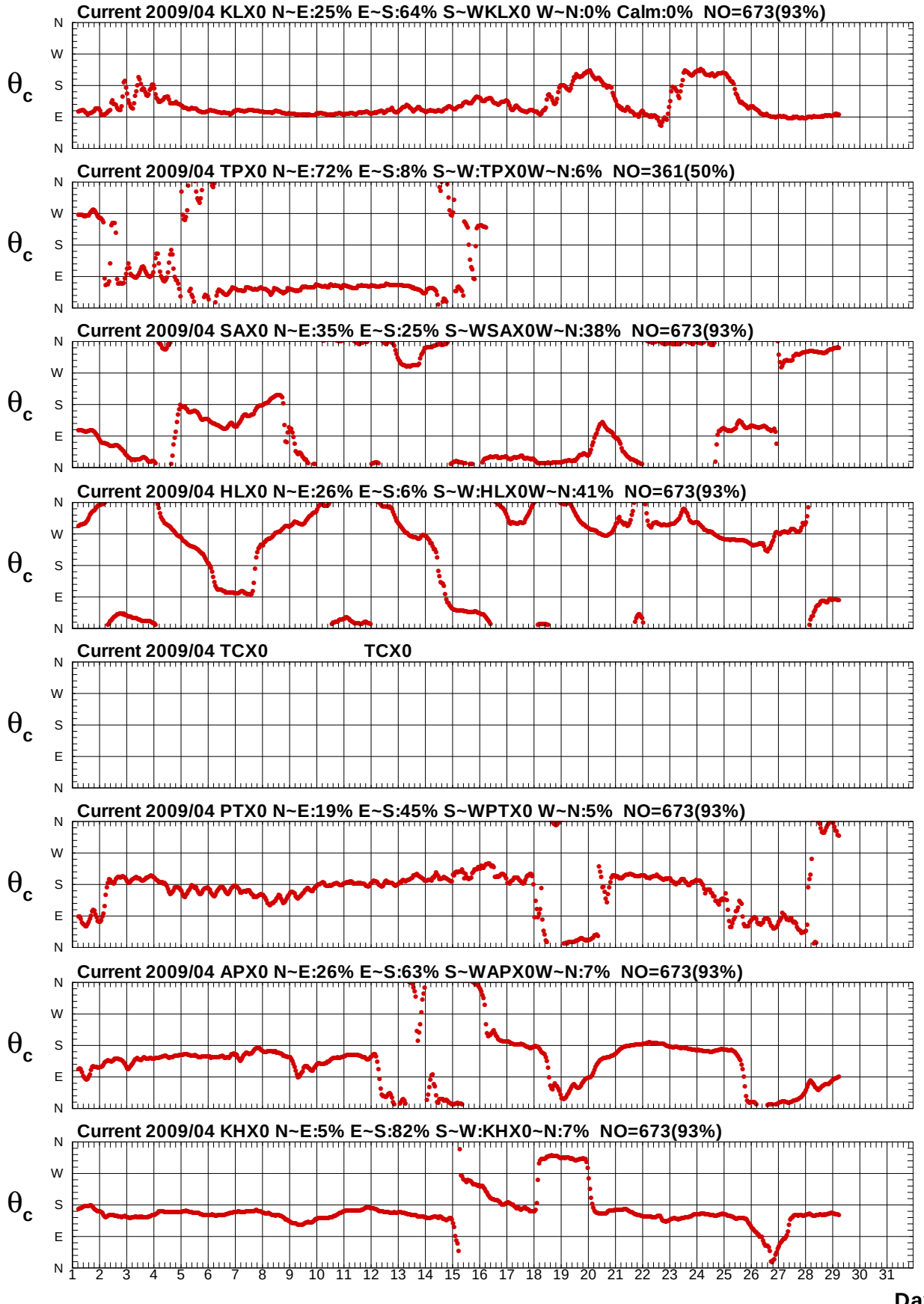


圖 4.9.59　2009年 4 月 8 商港 48時平均流向歷線圖

C094KLX0.48H C094TPX0.48H C094SAX0.48H C094HLX0.48H C094TCX0.48H C094PTX0.48H
C094APX0.48H C094KHX0.48H

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Eight Harbors Current Vector at 2009/04

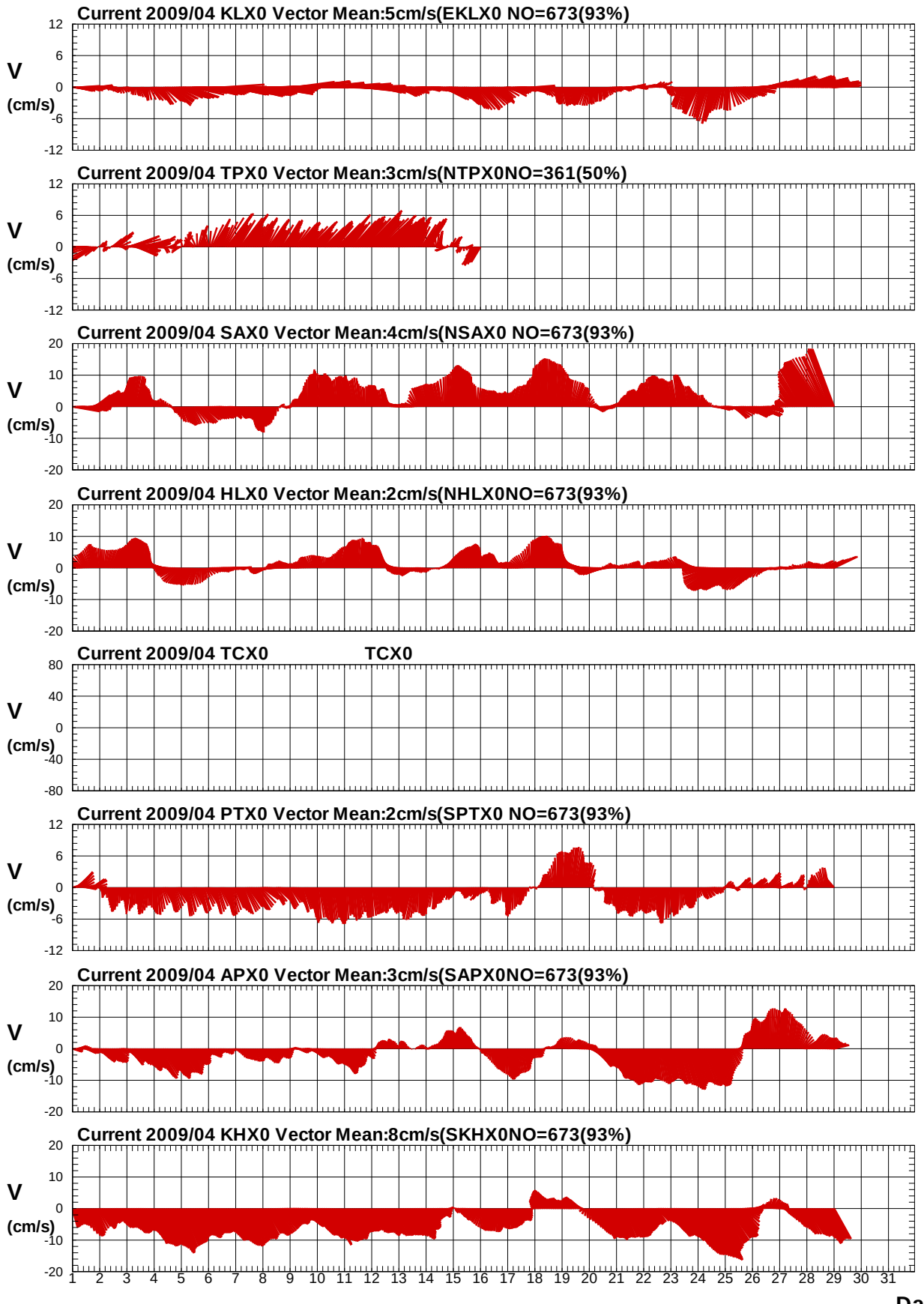


圖 4.9.60　2009年 4 月 8 商港 48時平均流矢圖

C094KLX0.48H C094TPX0.48H C094SAX0.48H C094HLX0.48H C094TCX0.48H C094PTX0.48H
C094APX0.48H C094KHX0.48H

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Eight Harbors Current Speed at 2009/05

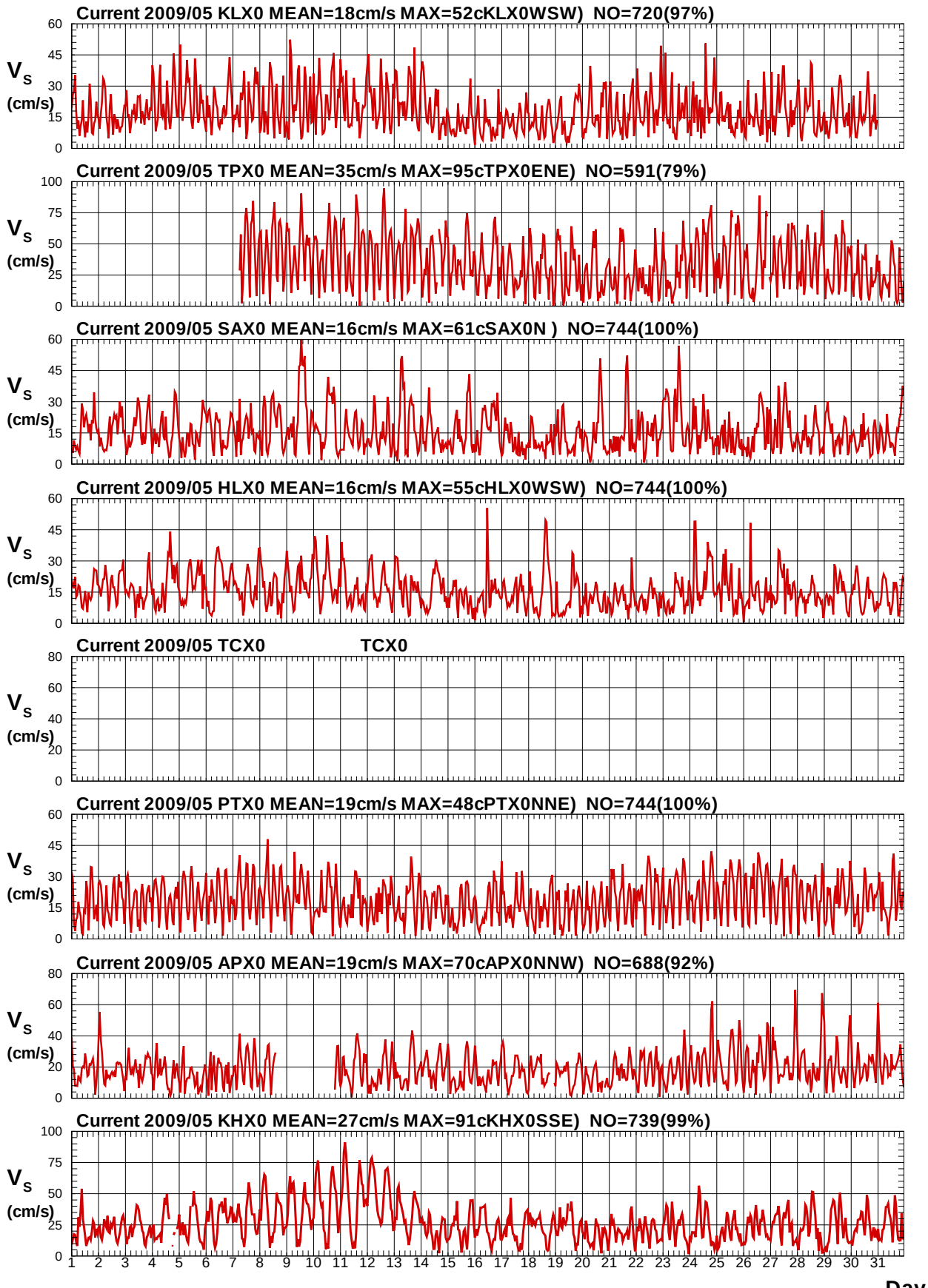


圖 4.9.61　2009年 5 月 8 商港 觀測流速歷線圖

C095KLX0.1HA C095TPX0.1HA C095SAX0.1HA C095HLX0.1HA C095TCX0.1HA C095PTX0.1HA
C095APX0.1HA C095KHX0.1HA

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Eight Harbors Current Direction at 2009/05

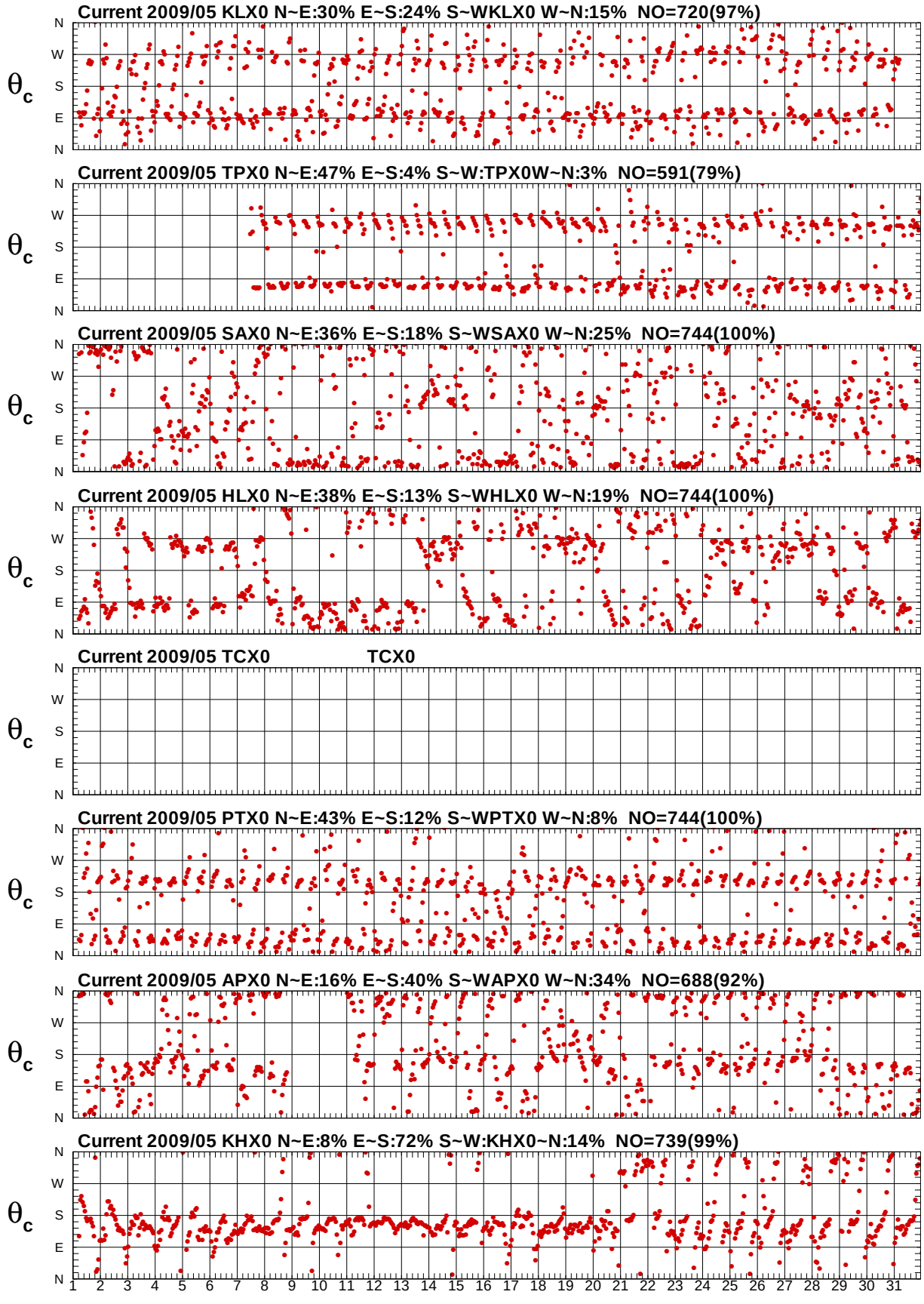


圖 4.9.62　2009年 5 月 8 商港 觀測流向歷線圖

C095KLX0.1HA C095TPX0.1HA C095SAX0.1HA C095HLX0.1HA C095TCX0.1HA C095PTX0.1HA
C095APX0.1HA C095KHX0.1HA

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Eight Harbors Current Vector at 2009/05

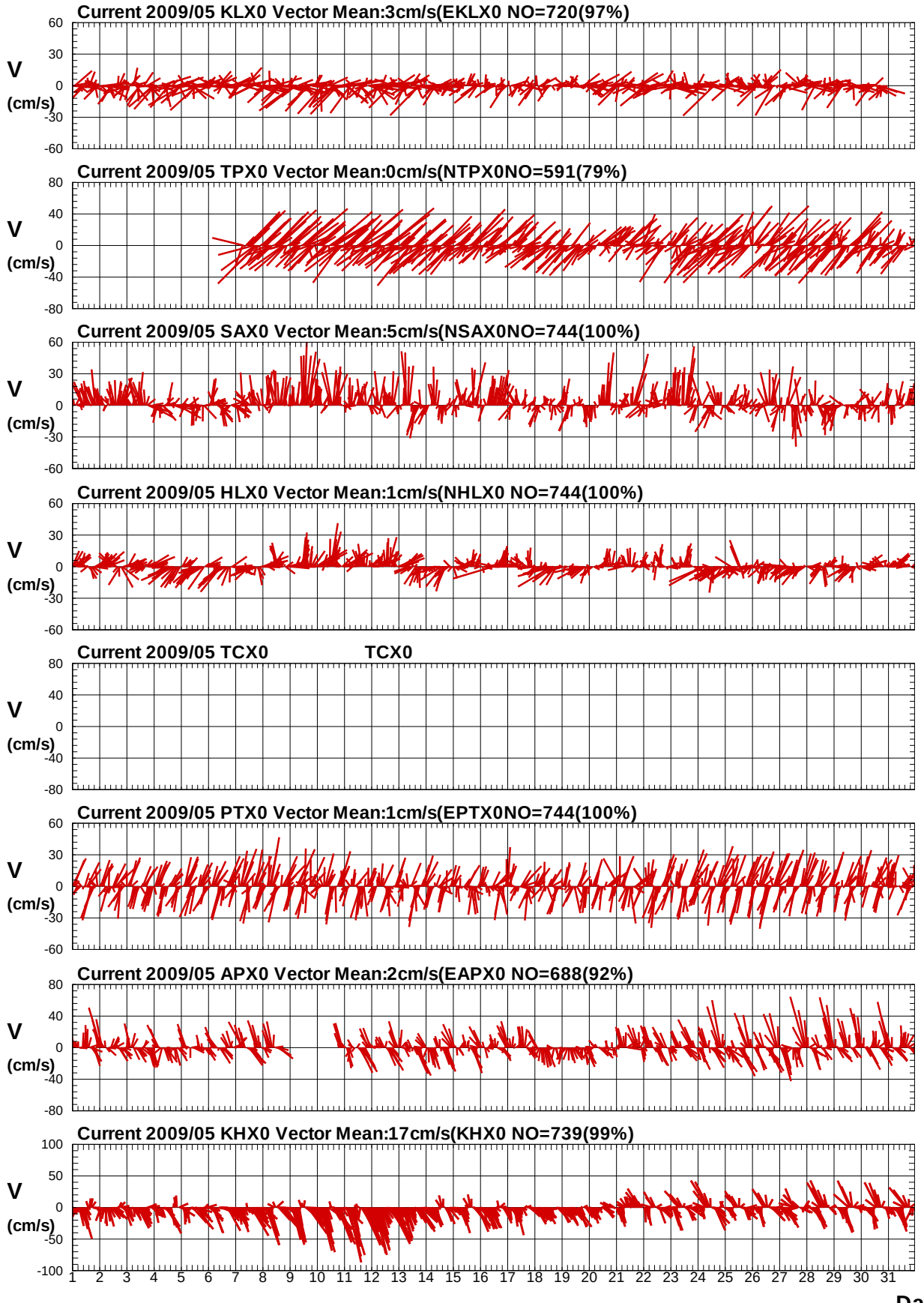


圖 4.9.63　2009年 5 月 8 商港 觀測流矢圖

C095KLX0.1HA C095TPX0.1HA C095SAX0.1HA C095HLX0.1HA C095TCX0.1HA C095PTX0.1HA C095APX0.1HA C095KHX0.1HA

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Eight Harbors Current Speed at 2009/05

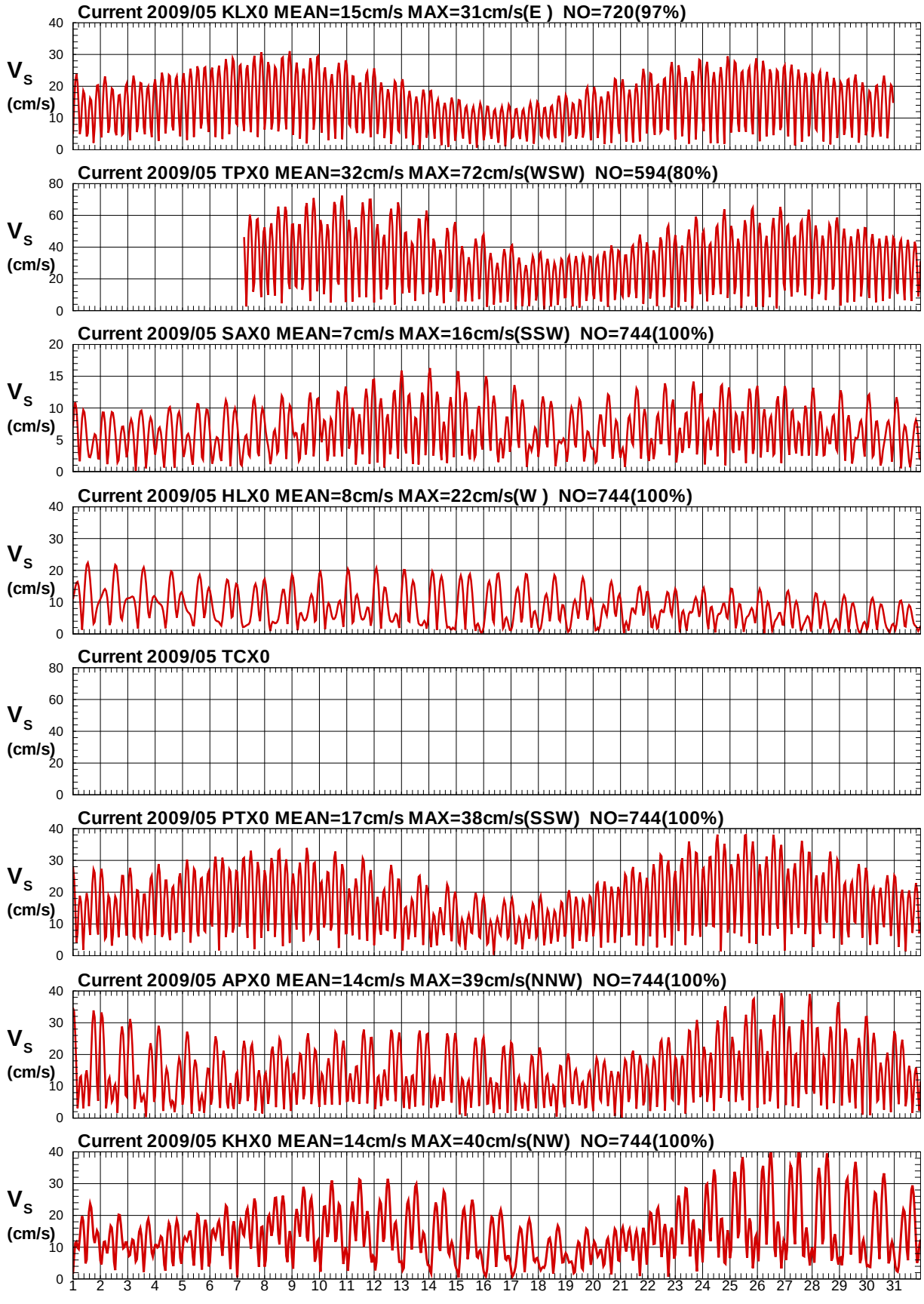


圖 4.9.64　2009年 5月8商港 潮流流速歷線圖

C095KLX0.1HC C095TPX0.1HC C095SAX0.1HC C095HLX0.1HC C095TCX0.1HC C095PTX0.1HC
C095APX0.1HC C095KHX0.1HC

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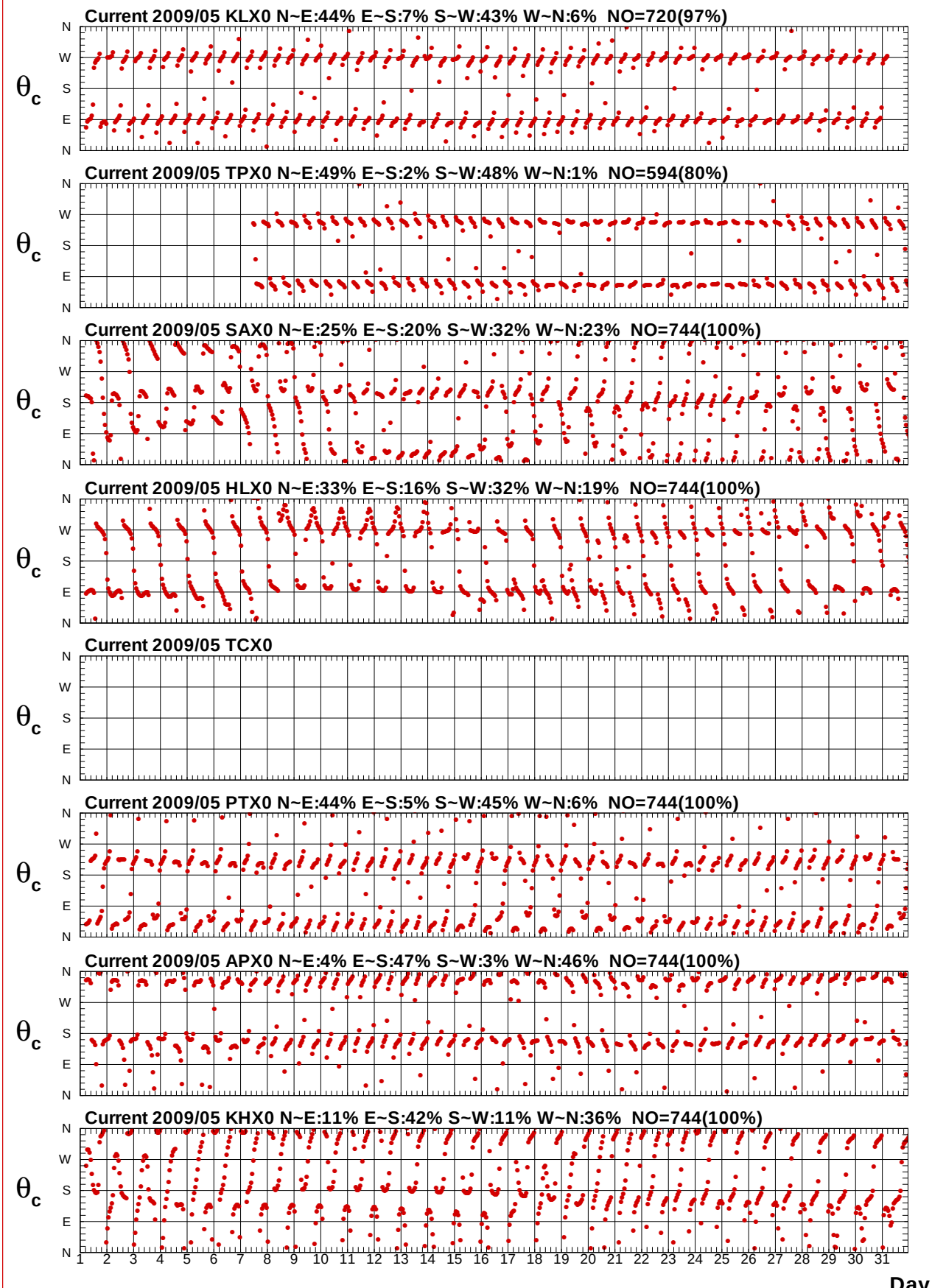


圖 4.9.65　2009年 5 月 8 商港 潮流流向歷線圖

C095KLX0.1HC C095TPX0.1HC C095SAX0.1HC C095HLX0.1HC C095TCX0.1HC C095PTX0.1HC
C095APX0.1HC C095KHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/05

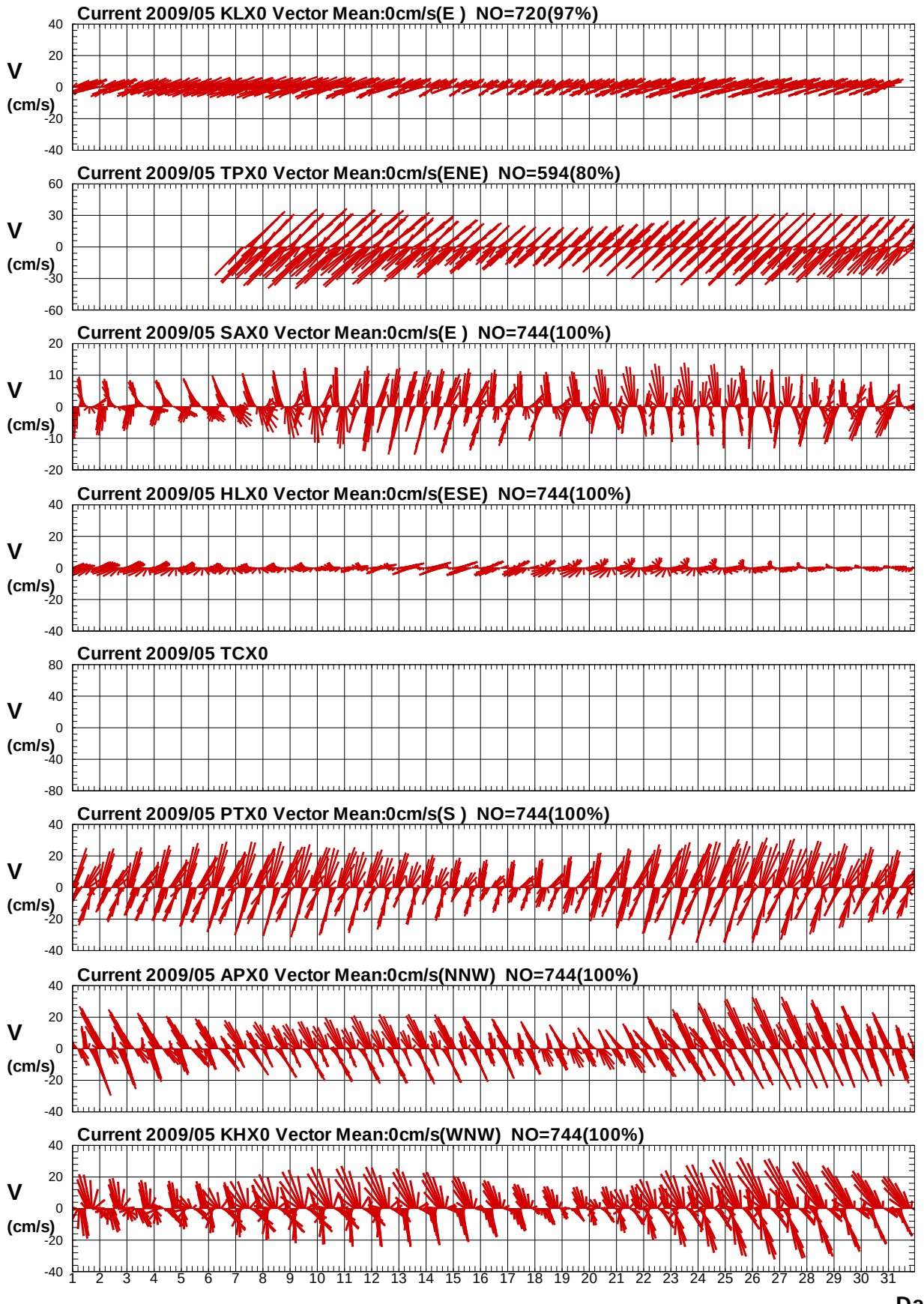


圖 4.9.66　2009年 5月8商港 潮流流矢圖

C095KLX0.1HC C095TPX0.1HC C095SAX0.1HC C095HLX0.1HC C095TCX0.1HC C095PTX0.1HC
C095APX0.1HC C095KHX0.1HC

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Eight Harbors Current Speed at 2009/05

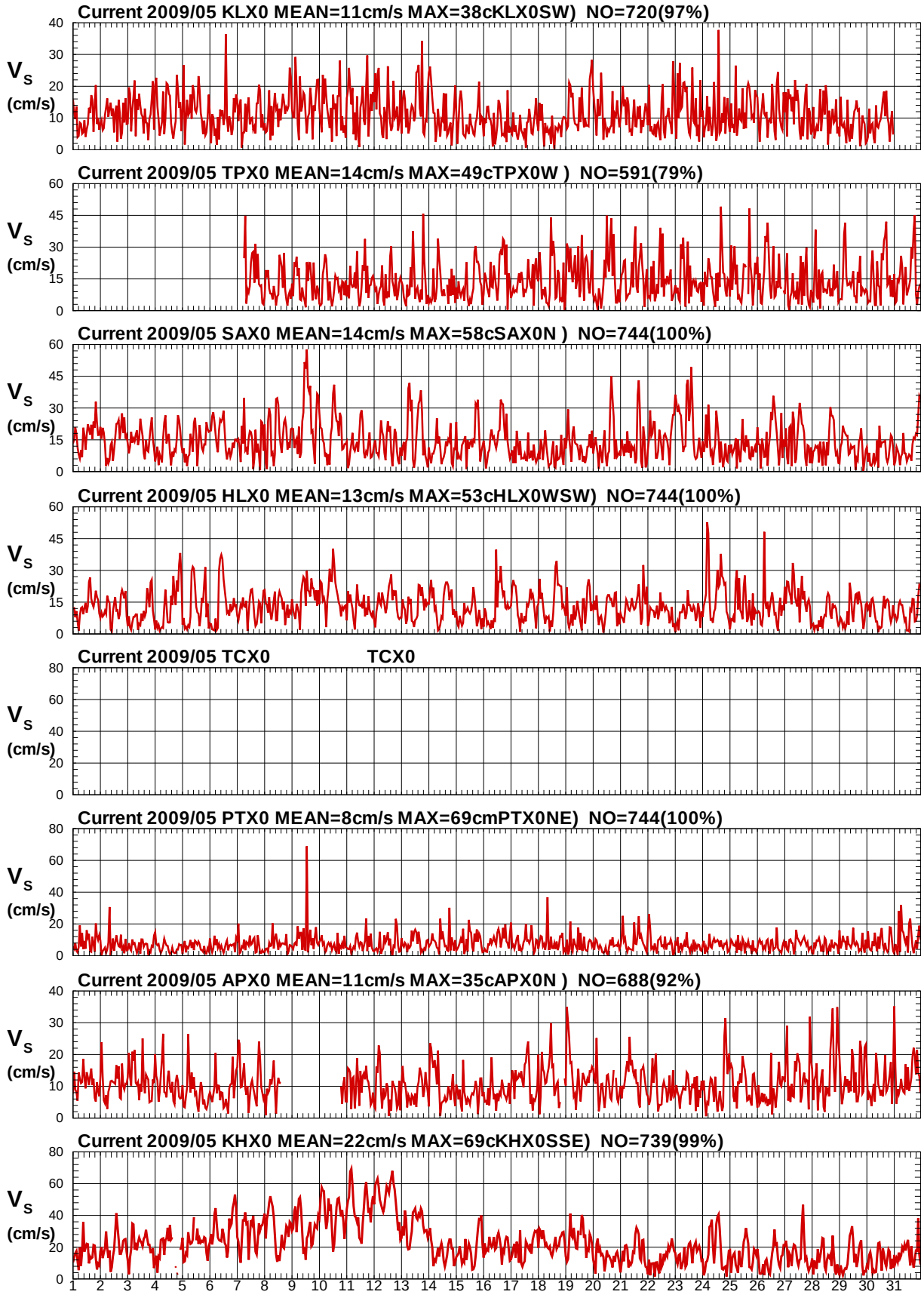


圖 4.9.67　2009年 5 月 8 商港 非潮流速歷線圖

C095KLX0.1HR C095TPX0.1HR C095SAX0.1HR C095HLX0.1HR C095TCX0.1HR C095PTX0.1HR
C095APX0.1HR C095KHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/05

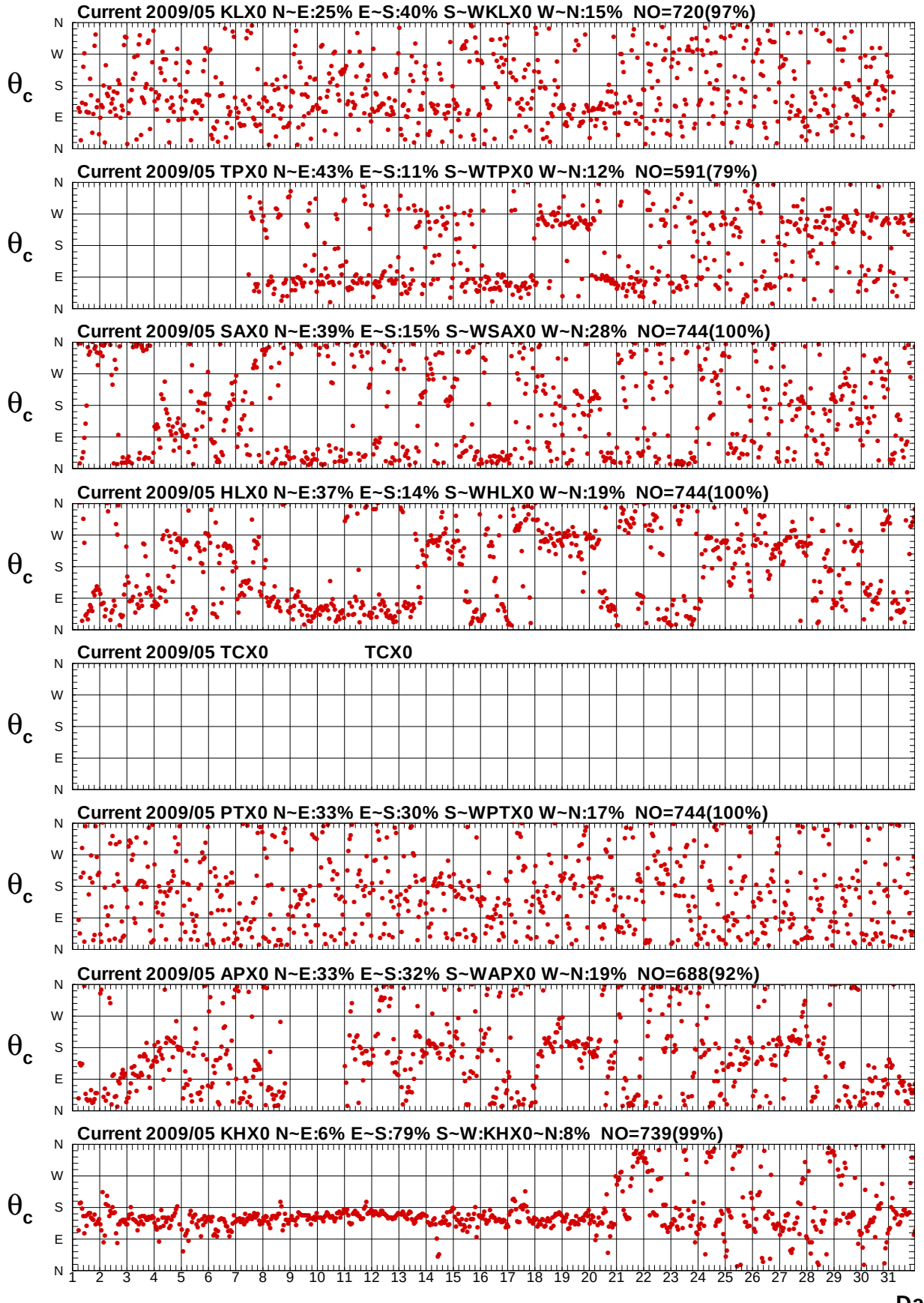


圖 4.9.68　2009年 5 月 8 商港 非潮流向歷線圖

C095KLX0.1HR C095TPX0.1HR C095SAX0.1HR C095HLX0.1HR C095TCX0.1HR C095PTX0.1HR
C095APX0.1HR C095KHX0.1HR

Institute of Harbor & Marine Technology

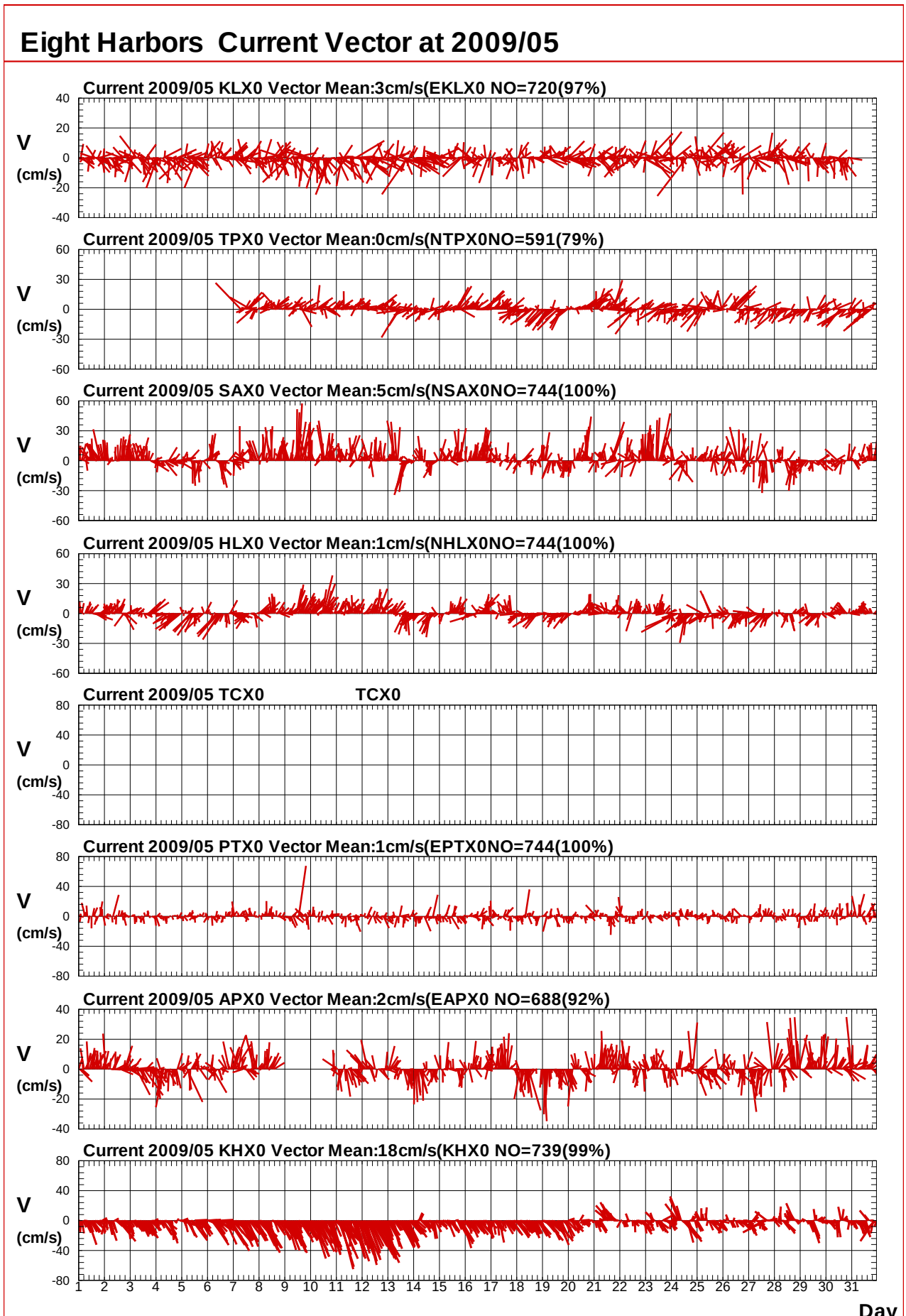


圖 4.9.69　2009年 5月8商港 非潮流矢圖

C095KLX0.1HR C095TPX0.1HR C095SAX0.1HR C095HLX0.1HR C095TCX0.1HR C095PTX0.1HR
C095APX0.1HR C095KHX0.1HR

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Eight Harbors Current Speed at 2009/05

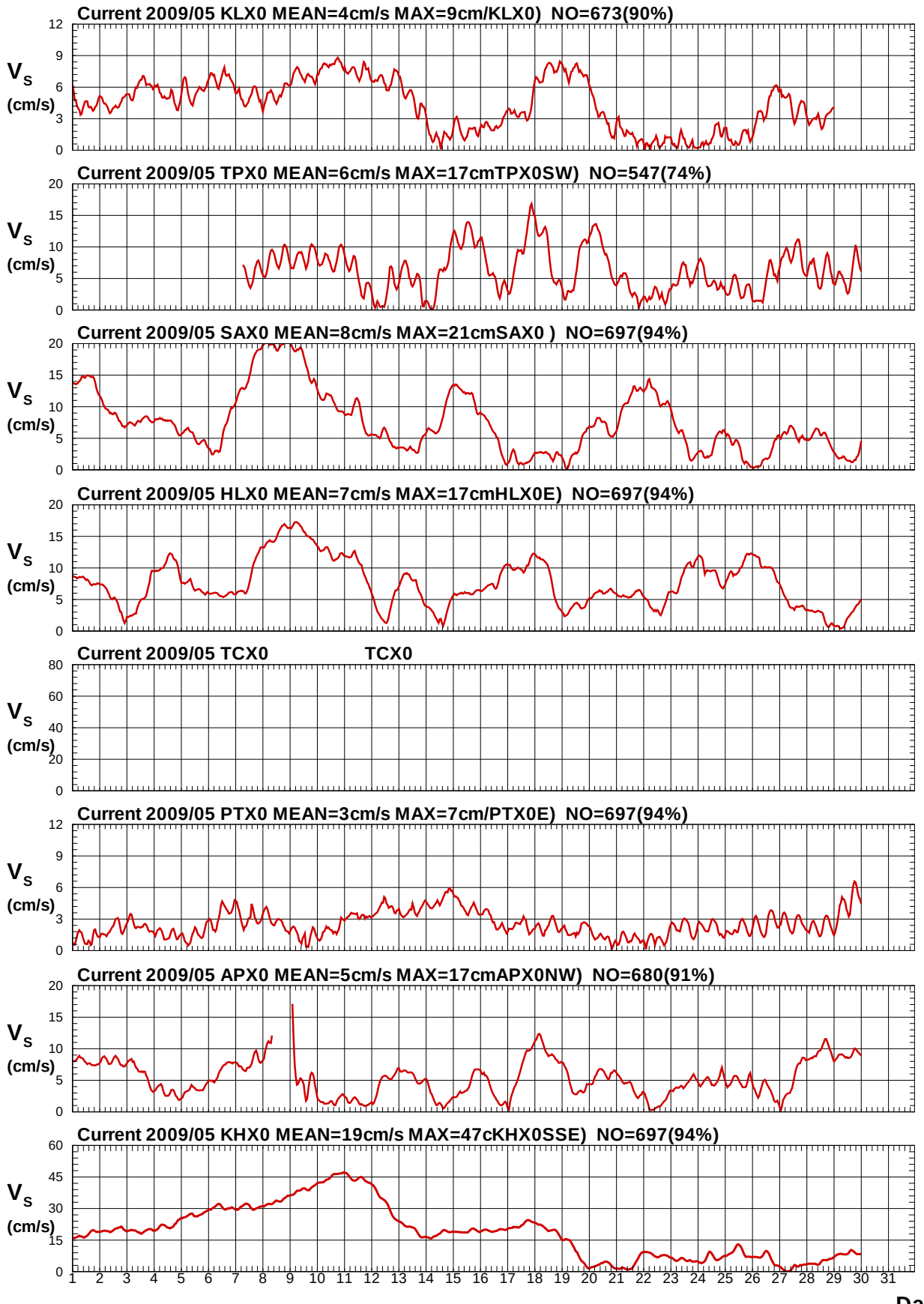


圖 4.9.70　2009年 5 月 8 商港 48時平均流速歷線圖

C095KLX0.48H C095TPX0.48H C095SAX0.48H C095HLX0.48H C095TCX0.48H C095PTX0.48H
C095APX0.48H C095KHX0.48H

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Eight Harbors Current Direction at 2009/05

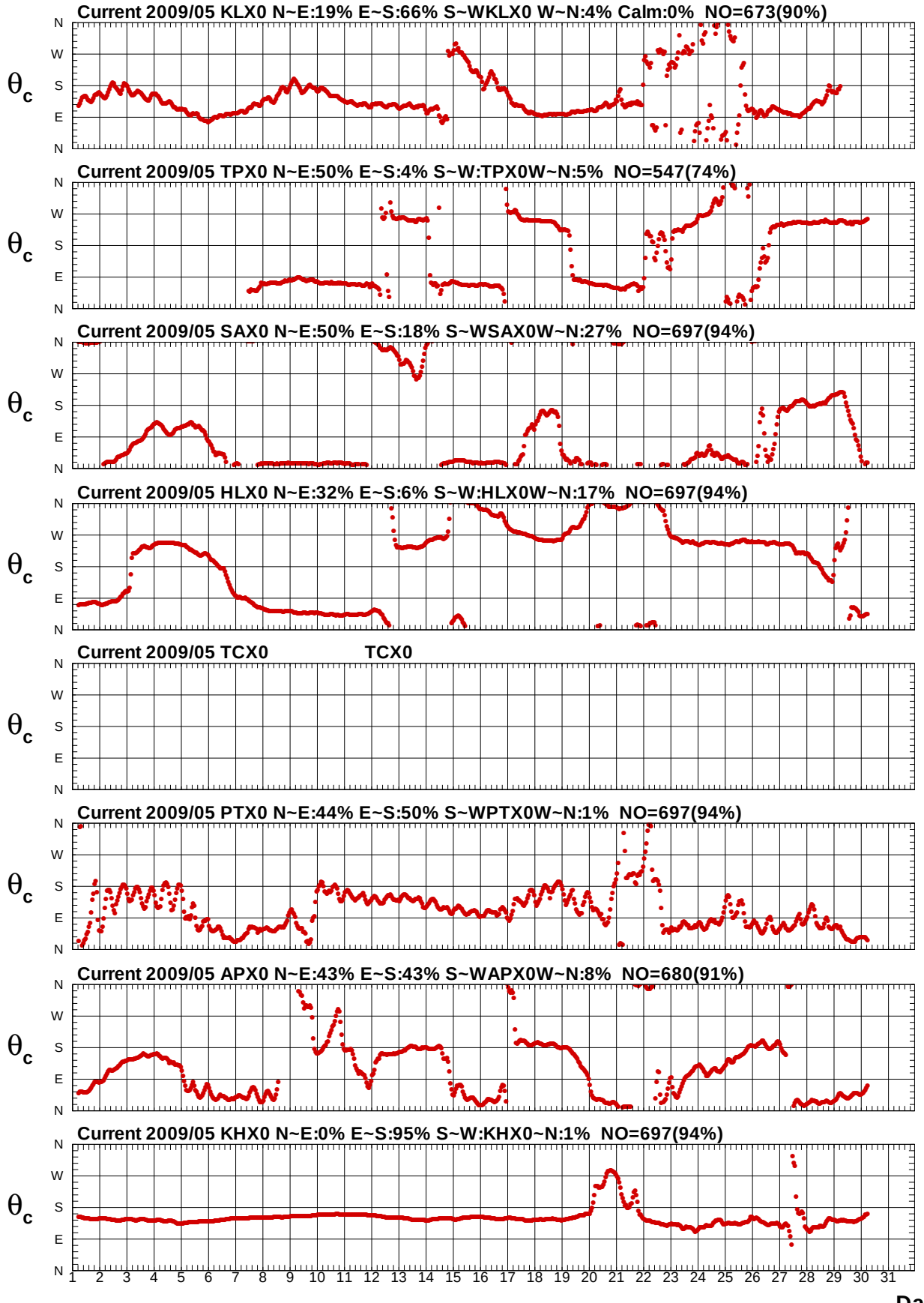


圖 4.9.71　2009年 5 月 8 商港 48時平均流向歷線圖

C095KLX0.48H C095TPX0.48H C095SAX0.48H C095HLX0.48H C095TCX0.48H C095PTX0.48H
C095APX0.48H C095KHX0.48H

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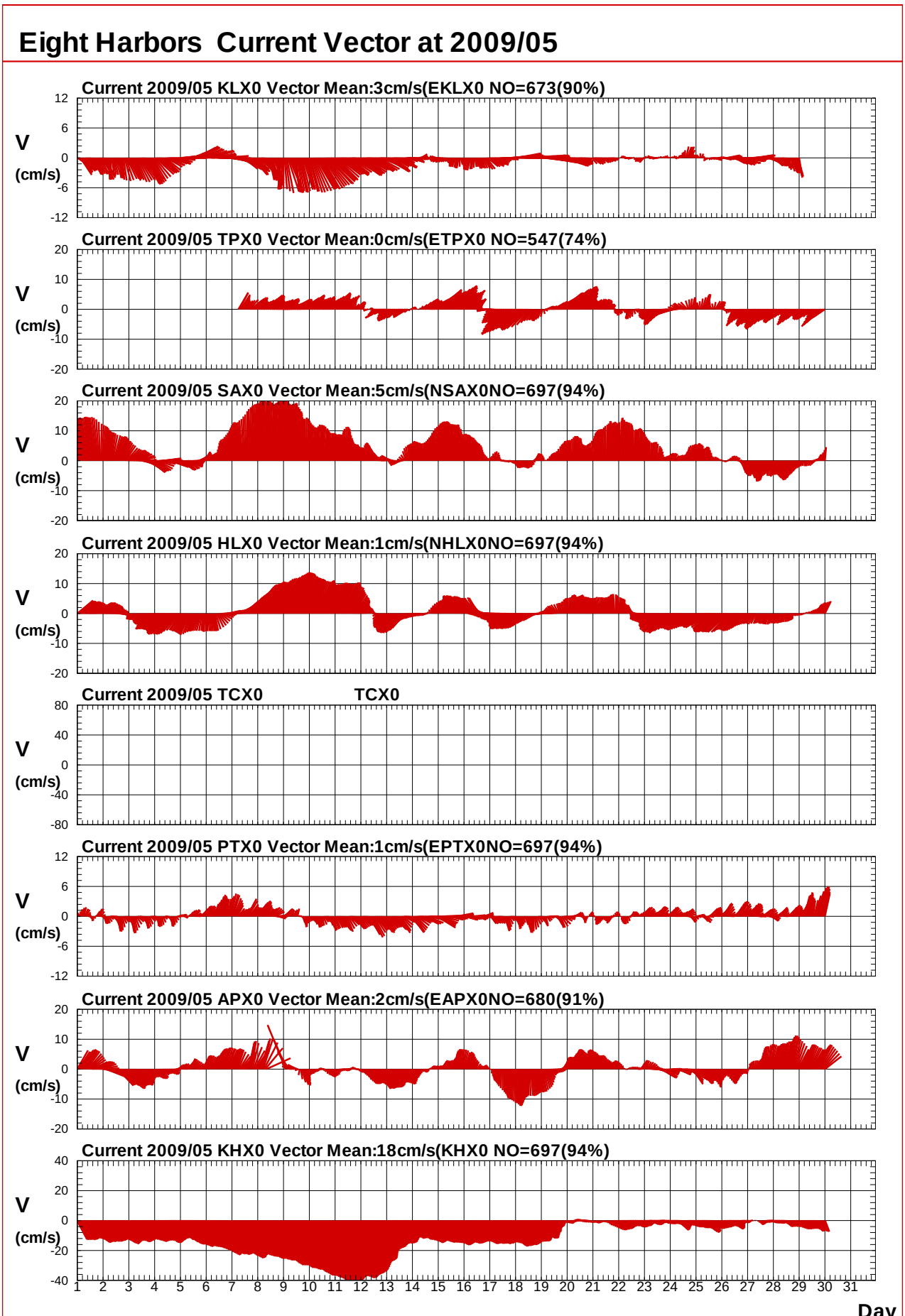


圖 4.9.72　2009年 5月8商港 48時平均流矢圖

C095KLX0.48H C095TPX0.48H C095SAX0.48H C095HLX0.48H C095TCX0.48H C095PTX0.48H
C095APX0.48H C095KHX0.48H

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Eight Harbors Current Speed at 2009/06

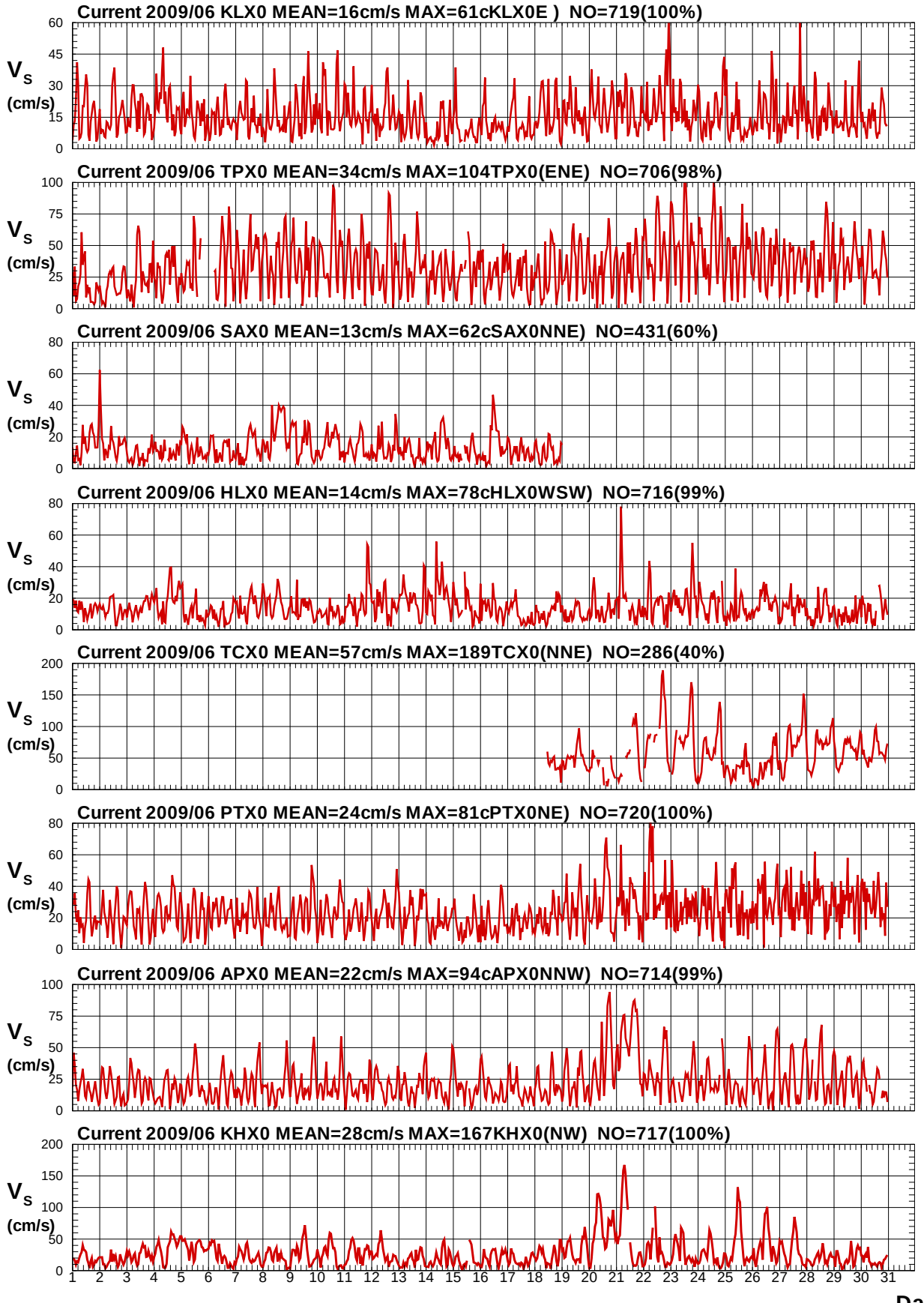


圖 4.9.73　2009年 6 月 8 商港 觀測流速歷線圖

C096KLX0.1HA C096TPX0.1HA C096SAX0.1HA C096HLX0.1HA C096TCX0.1HA C096PTX0.1HA
C096APX0.1HA C096KHX0.1HA

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Eight Harbors Current Direction at 2009/06

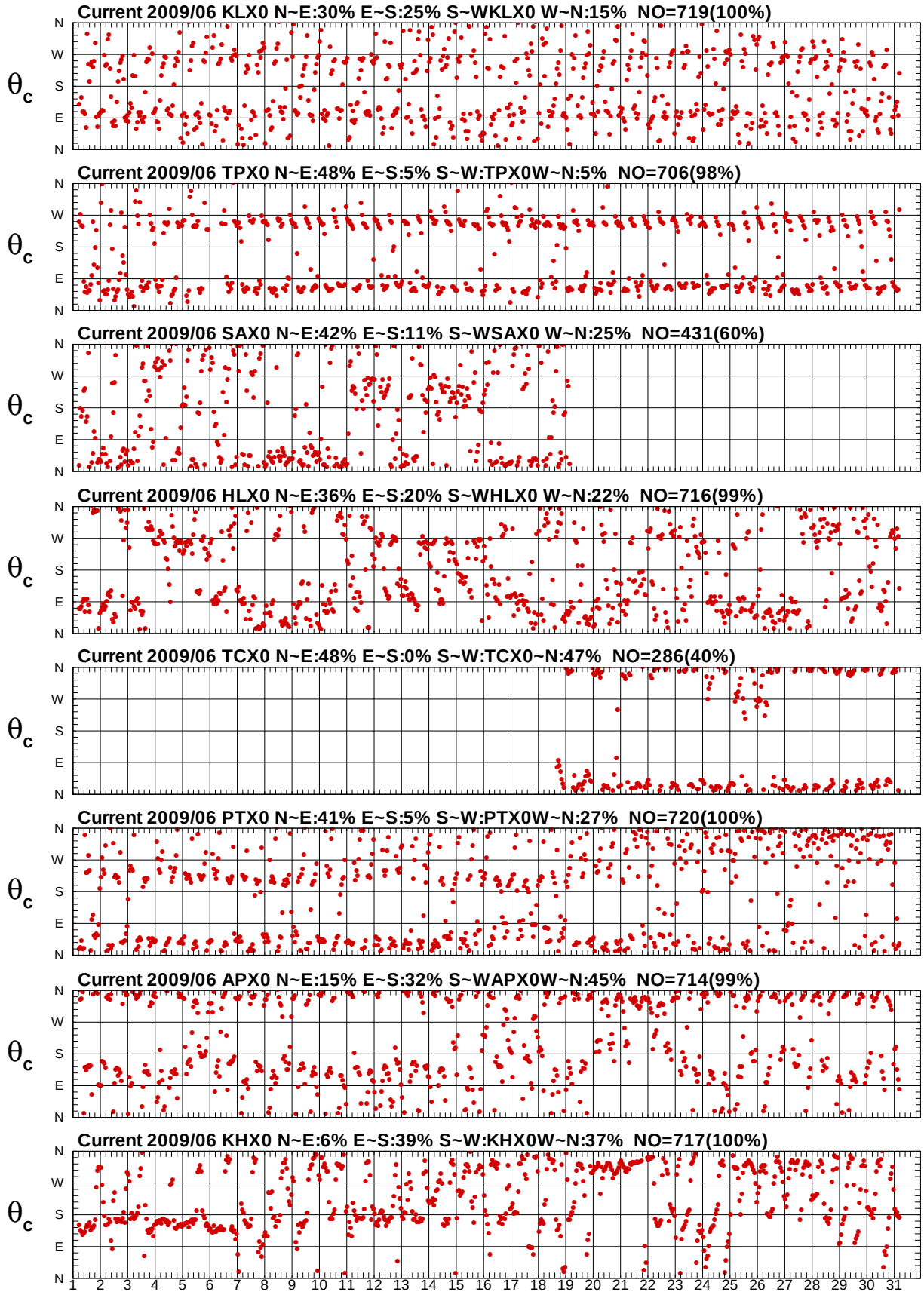


圖 4.9.74　2009年 6 月 8 商港 觀測流向歷線圖

C096KLX0.1HA C096TPX0.1HA C096SAX0.1HA C096HLX0.1HA C096TCX0.1HA C096PTX0.1HA
C096APX0.1HA C096KHX0.1HA

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Eight Harbors Current Vector at 2009/06

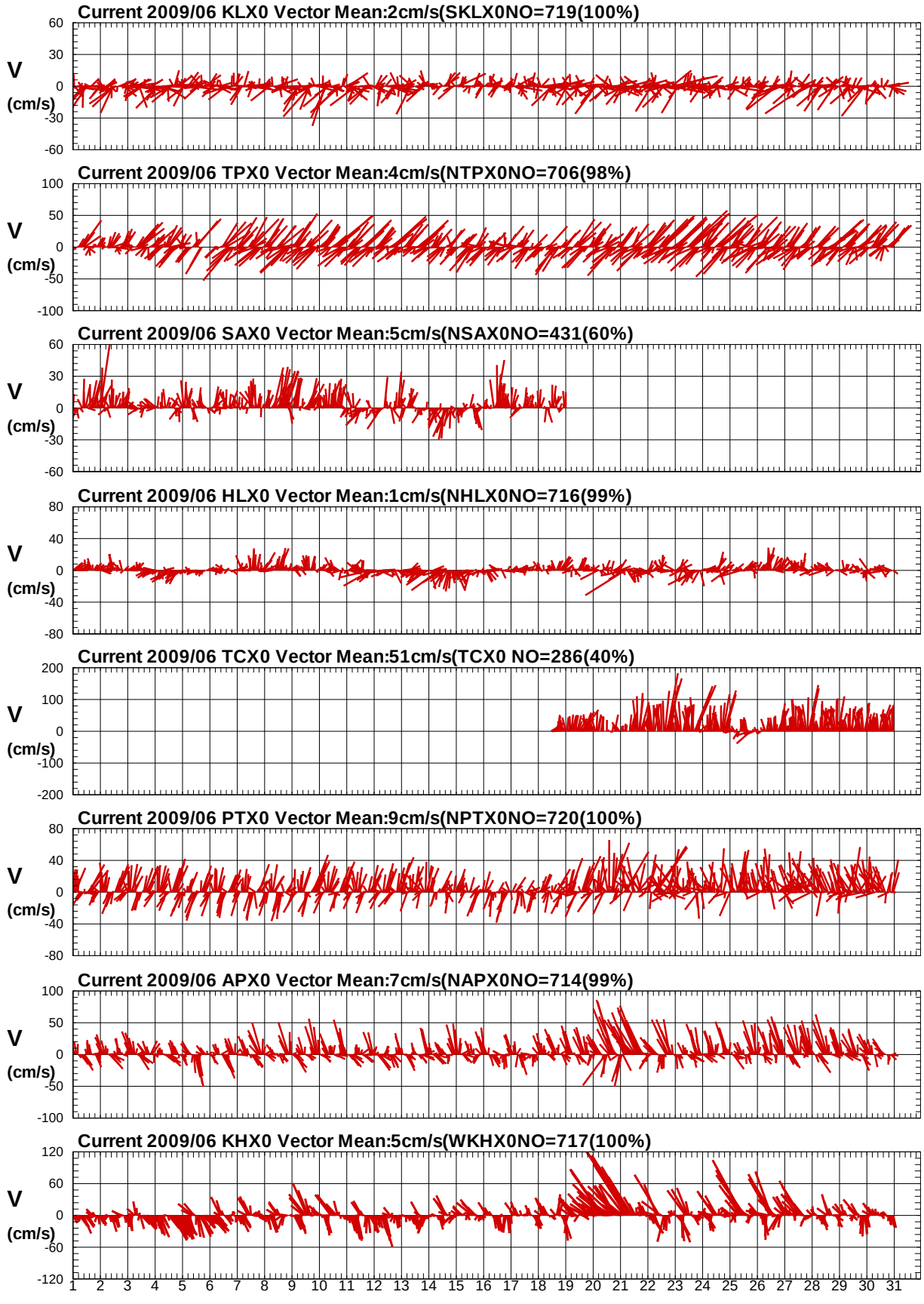


圖 4.9.75　2009年 6 月 8 商港 觀測流矢圖

C096KLX0.1HA C096TPX0.1HA C096SAX0.1HA C096HLX0.1HA C096TCX0.1HA C096PTX0.1HA
C096APX0.1HA C096KHX0.1HA

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Eight Harbors Current Speed at 2009/06

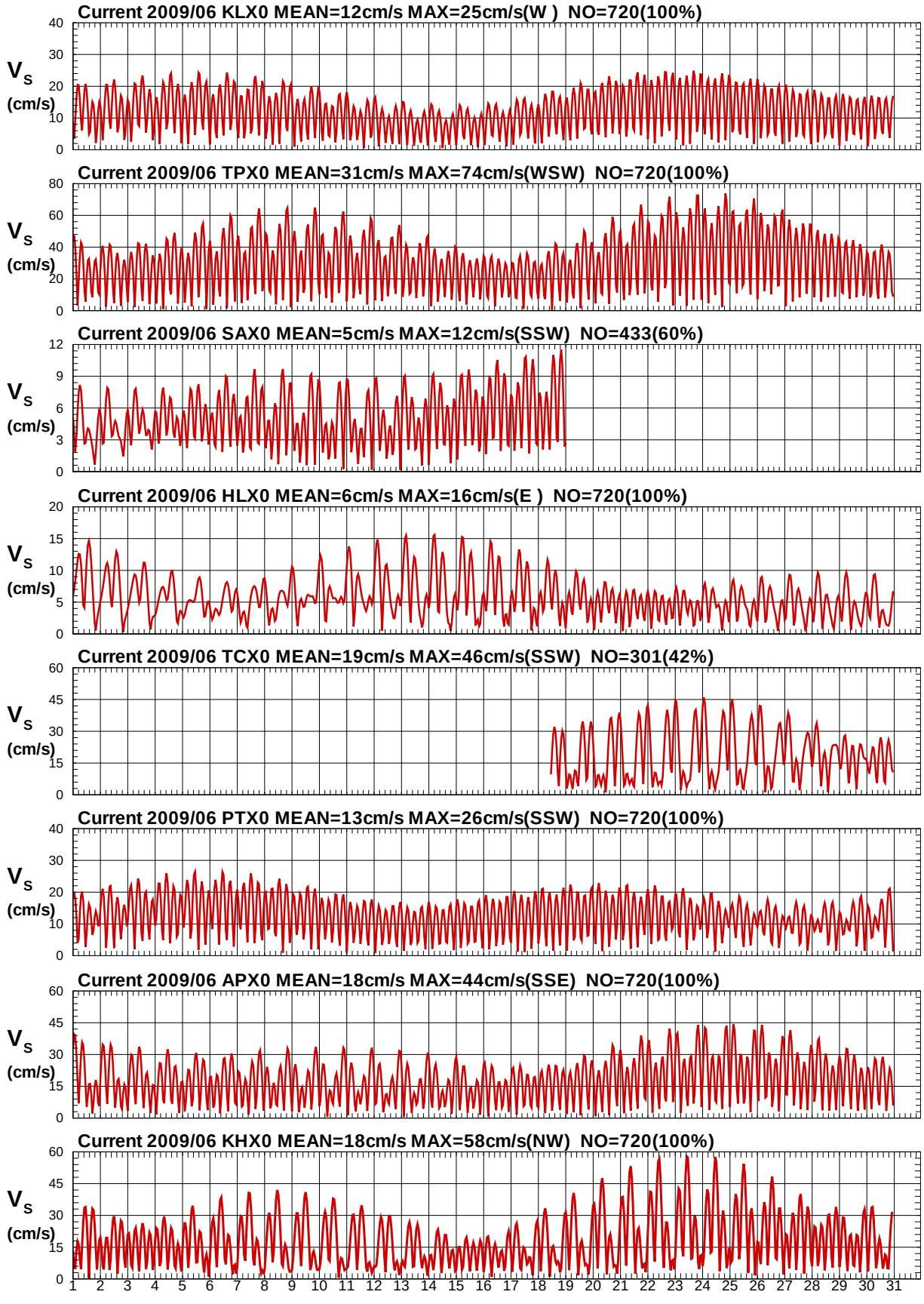


圖 4.9.76　2009年 6 月 8 商港 潮流流速歷線圖

C096KLX0.1HC C096TPX0.1HC C096SAX0.1HC C096HLX0.1HC C096TCX0.1HC C096PTX0.1HC
C096APX0.1HC C096KHX0.1HC

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Eight Harbors Current Direction at 2009/06

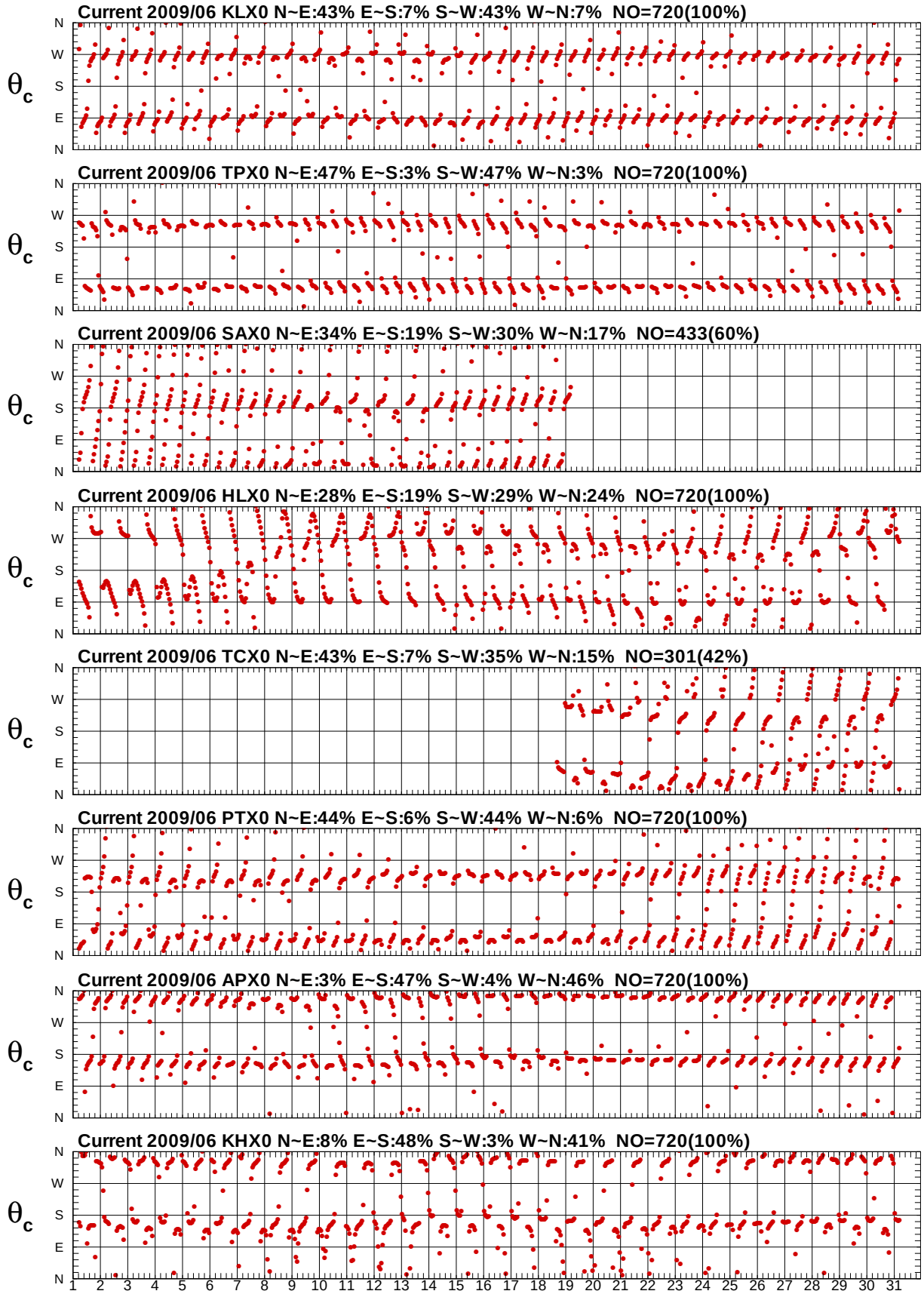


圖 4.9.77　2009年 6 月 8 商港 潮流流向歷線圖

C096KLX0.1HC C096TPX0.1HC C096SAX0.1HC C096HLX0.1HC C096TCX0.1HC C096PTX0.1HC
C096APX0.1HC C096KHX0.1HC

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Eight Harbors Current Vector at 2009/06

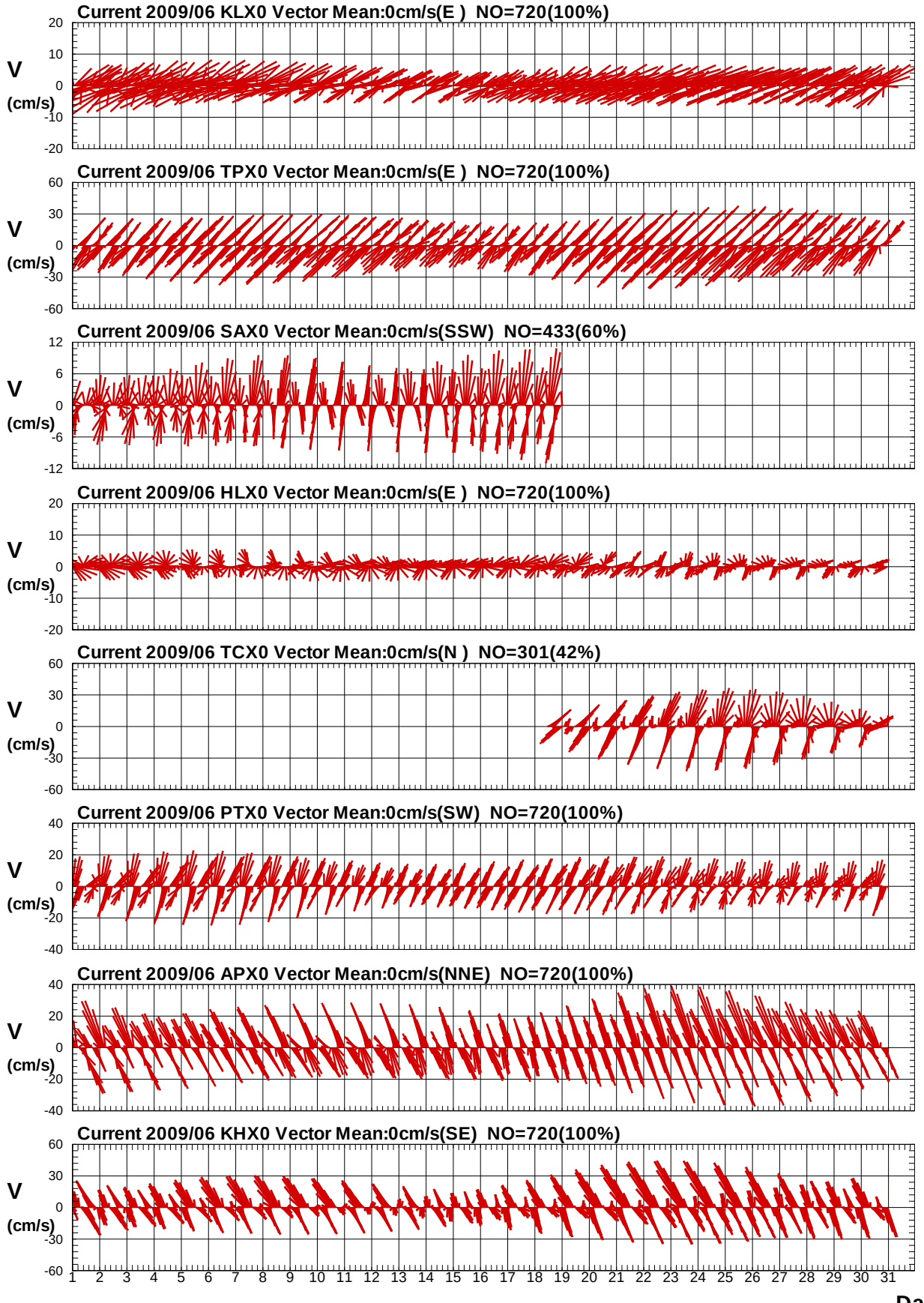


圖 4.9.78　2009年 6 月 8 商港 潮流流矢圖

C096KLX0.1HC C096TPX0.1HC C096SAX0.1HC C096HLX0.1HC C096TCX0.1HC C096PTX0.1HC
C096APX0.1HC C096KHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2009/06

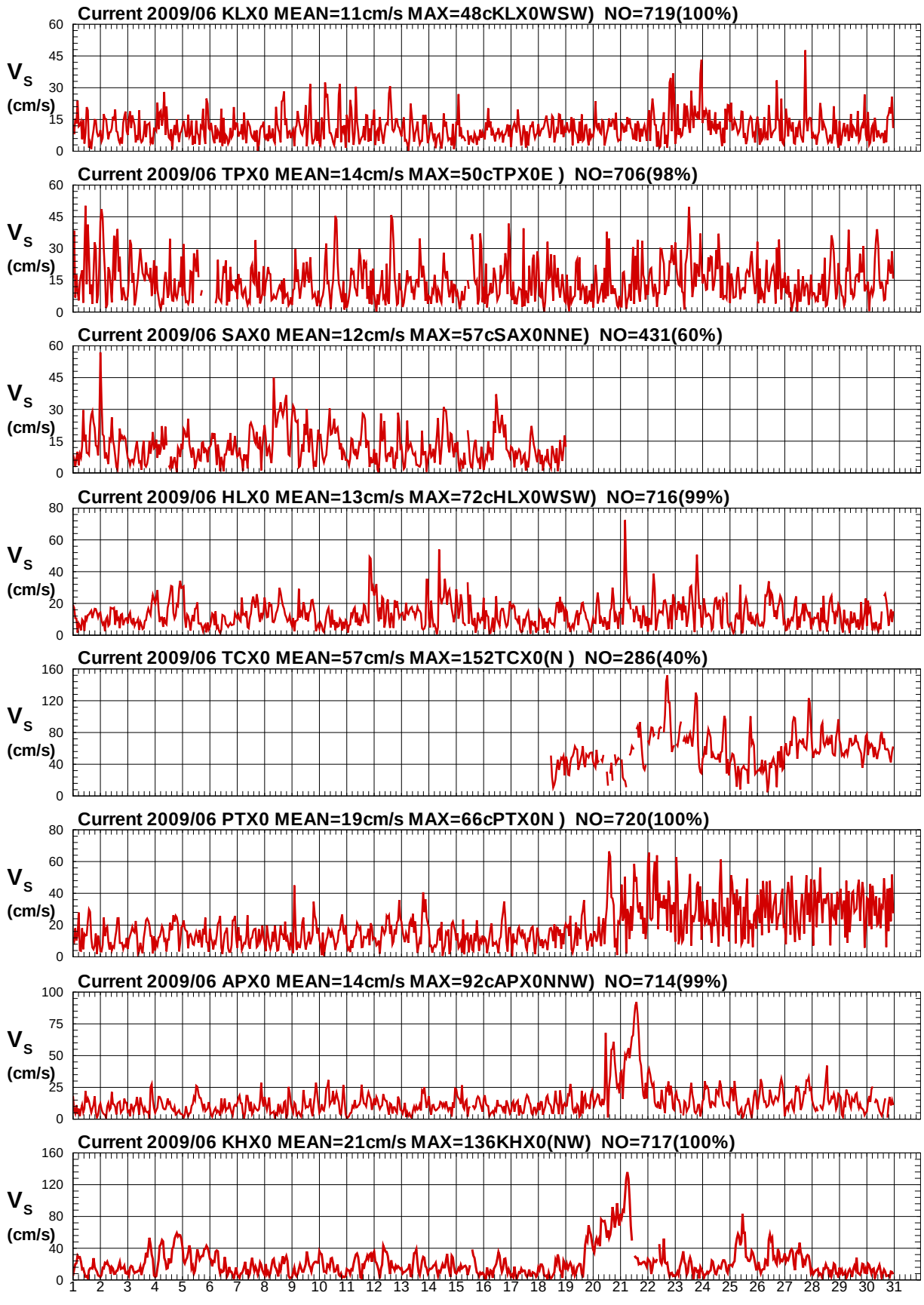


圖 4.9.79　2009年 6 月 8 商港 非潮流速歷線圖

C096KLX0.1HR C096TPX0.1HR C096SAX0.1HR C096HLX0.1HR C096TCX0.1HR C096PTX0.1HR
C096APX0.1HR C096KHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/06

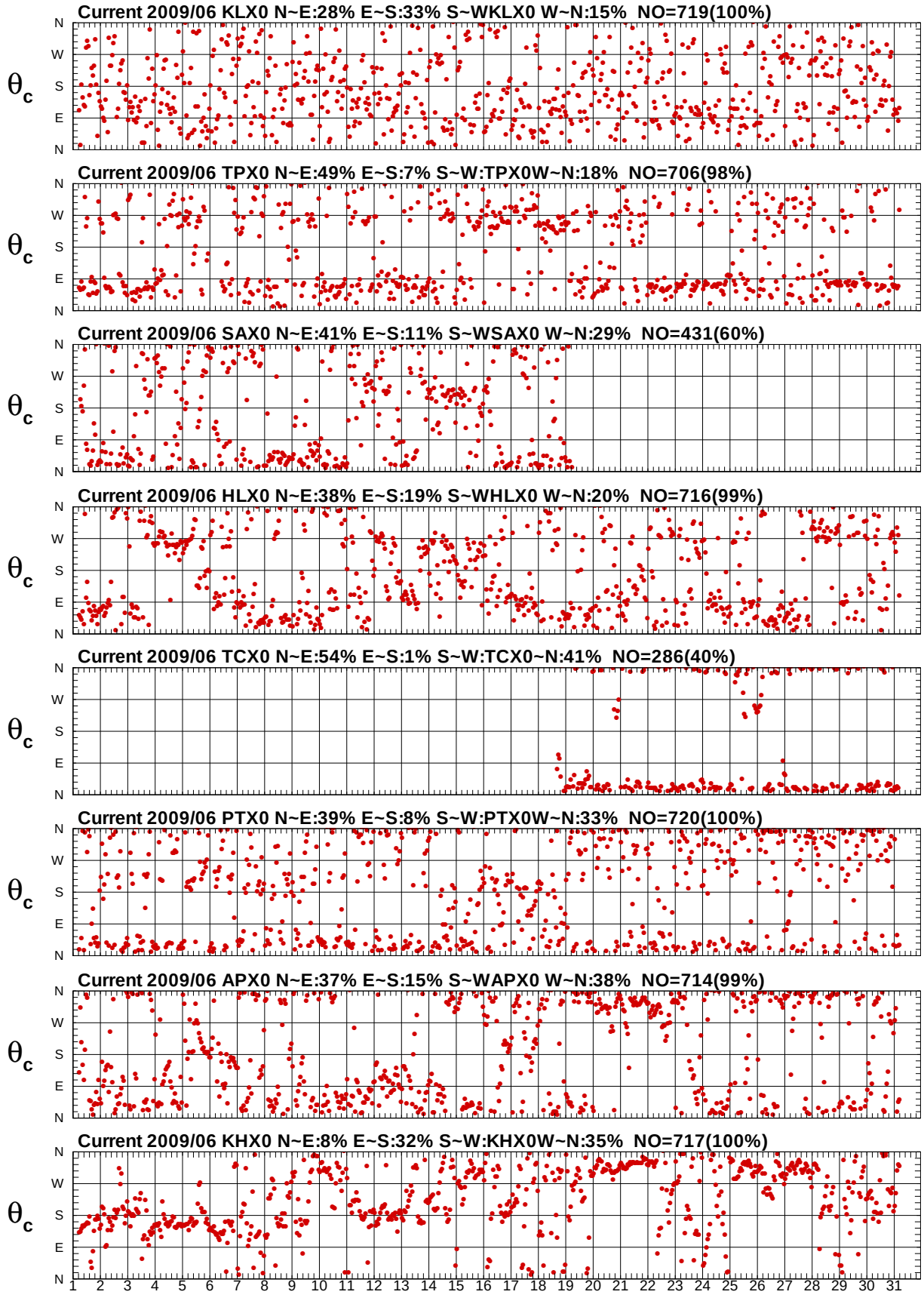


圖 4.9.80　2009年 6 月 8 商港 非潮流向歷線圖

C096KLX0.1HR C096TPX0.1HR C096SAX0.1HR C096HLX0.1HR C096TCX0.1HR C096PTX0.1HR
C096APX0.1HR C096KHX0.1HR

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Eight Harbors Current Vector at 2009/06

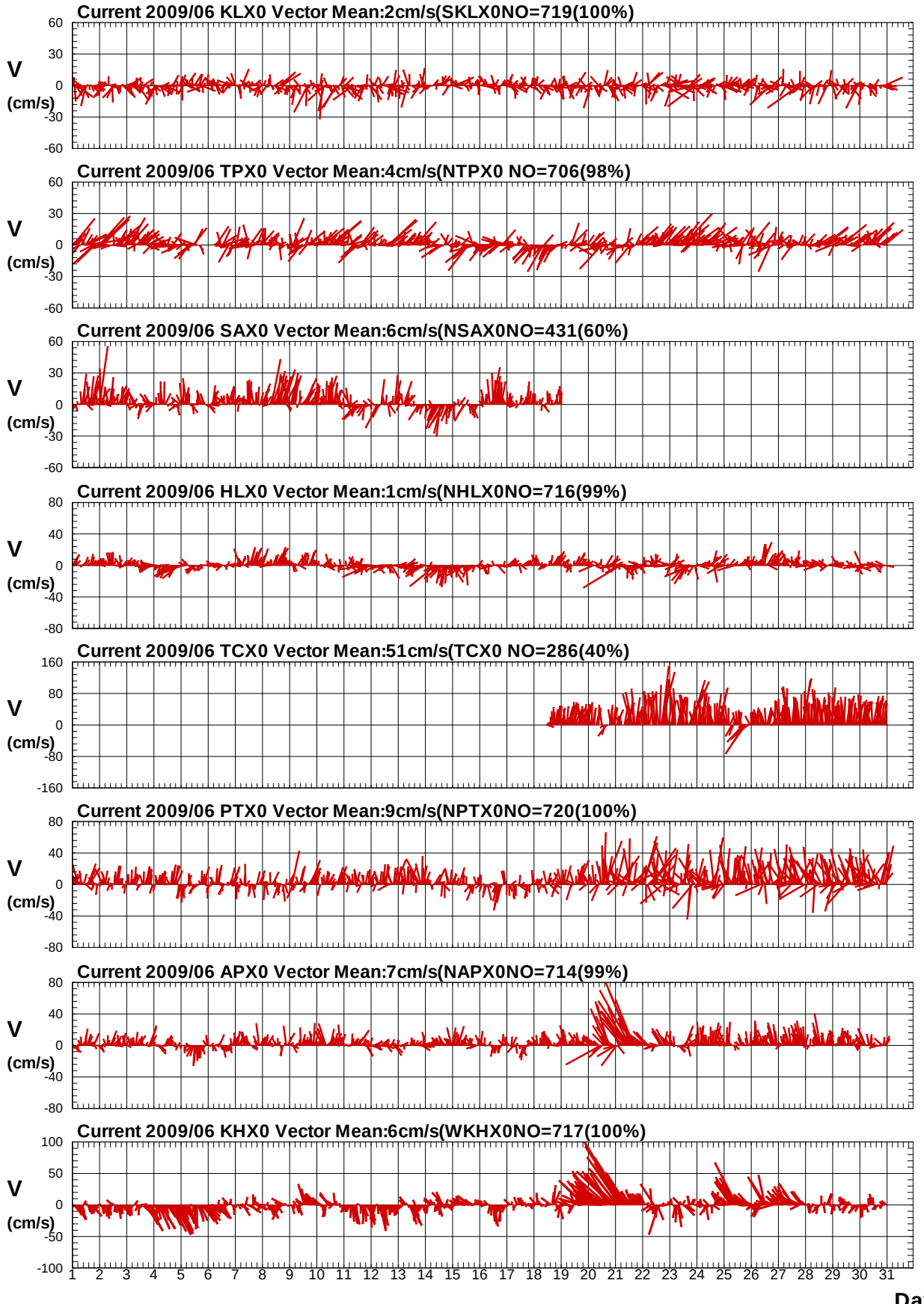


圖 4.9.81　2009年 6 月 8 商港 非潮流矢圖

C096KLX0.1HR C096TPX0.1HR C096SAX0.1HR C096HLX0.1HR C096TCX0.1HR C096PTX0.1HR
C096APX0.1HR C096KHX0.1HR

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Eight Harbors Current Speed at 2009/06

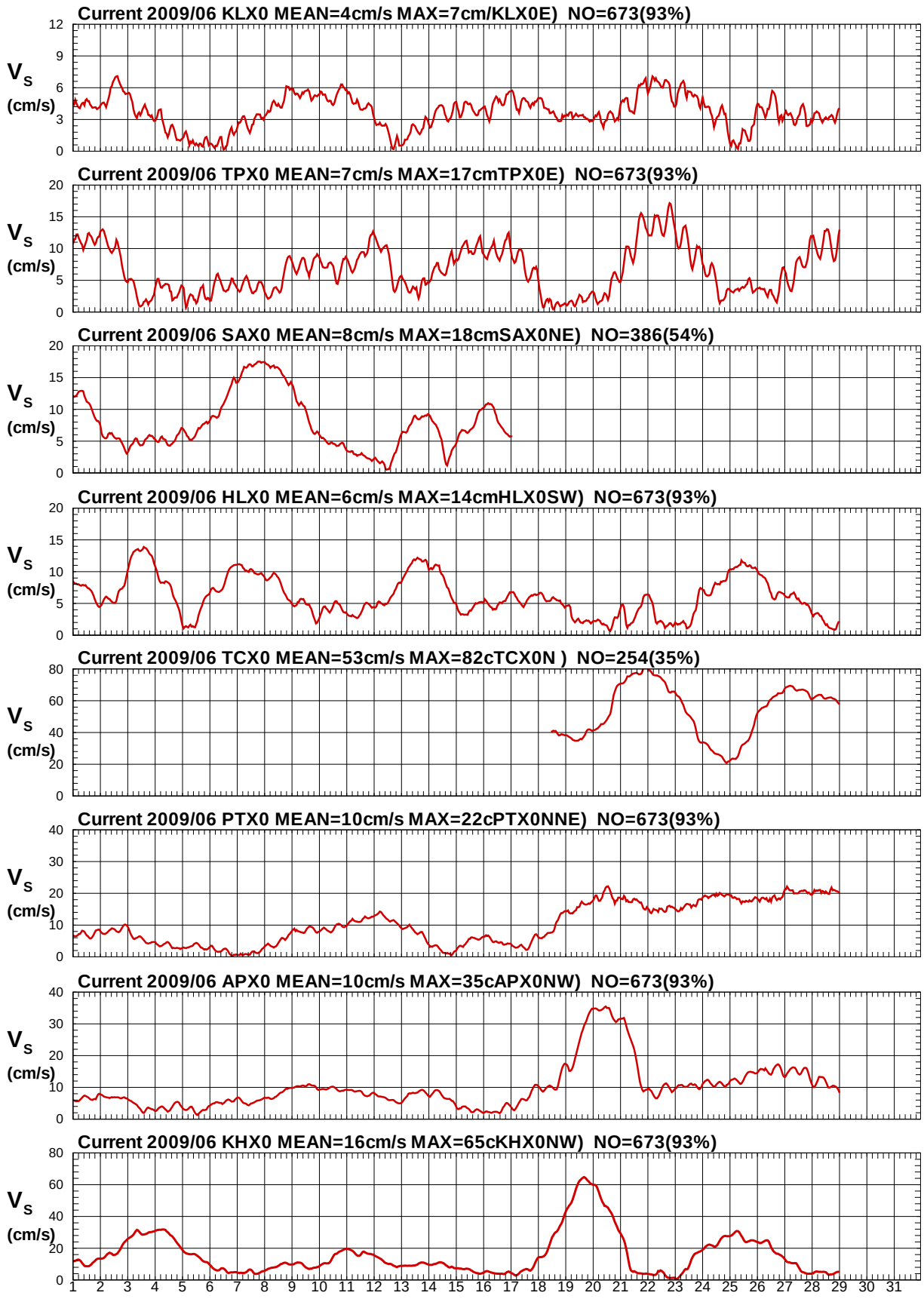


圖 4.9.82　2009年 6 月 8 商港 48時平均流速歷線圖

C096KLX0.48H C096TPX0.48H C096SAX0.48H C096HLX0.48H C096TCX0.48H C096PTX0.48H
C096APX0.48H C096KHX0.48H

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Eight Harbors Current Direction at 2009/06

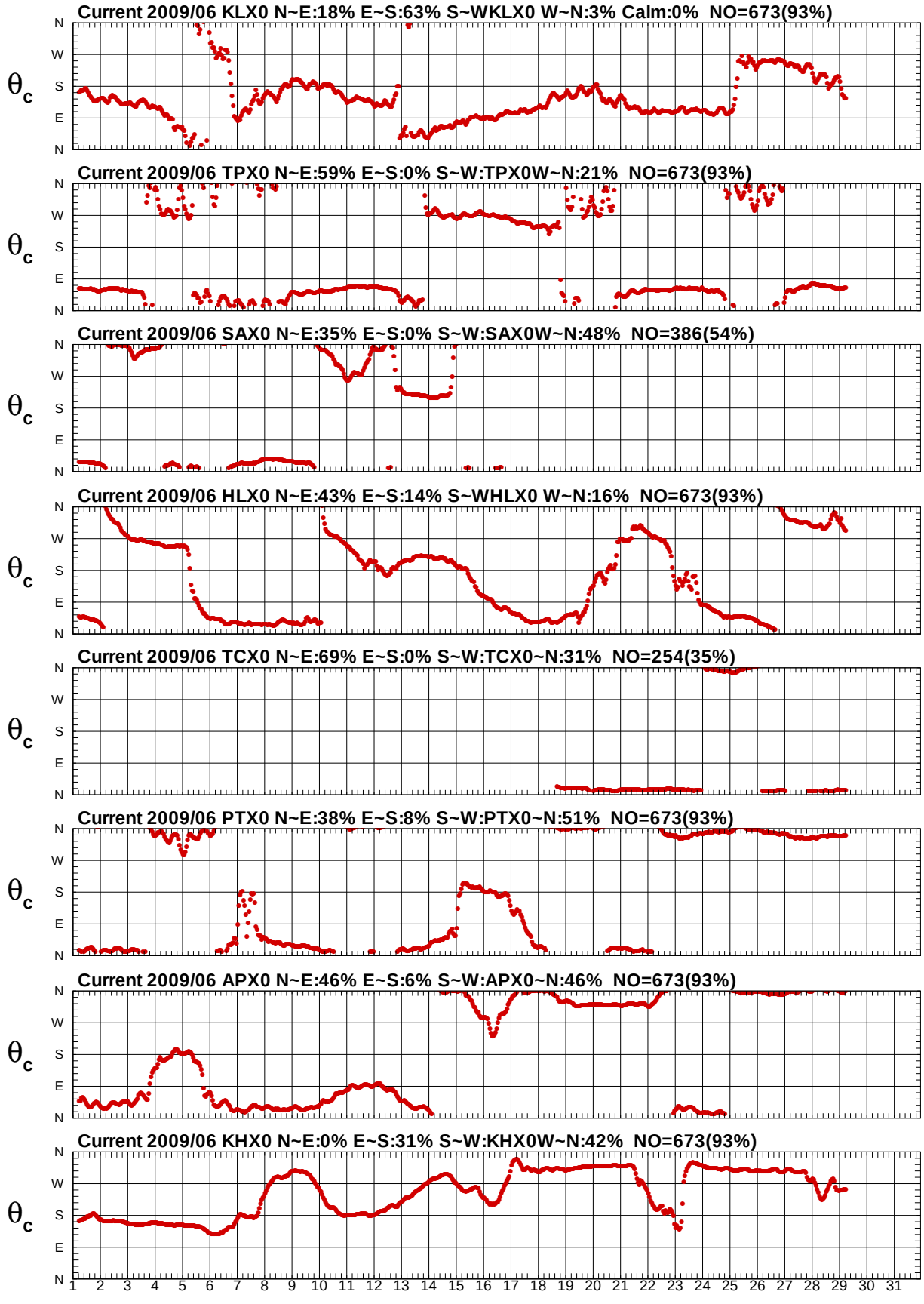


圖 4.9.83　2009年 6 月 8 商港 48時平均流向歷線圖

C096KLX0.48H C096TPX0.48H C096SAX0.48H C096HLX0.48H C096TCX0.48H C096PTX0.48H
C096APX0.48H C096KHX0.48H

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Eight Harbors Current Vector at 2009/06

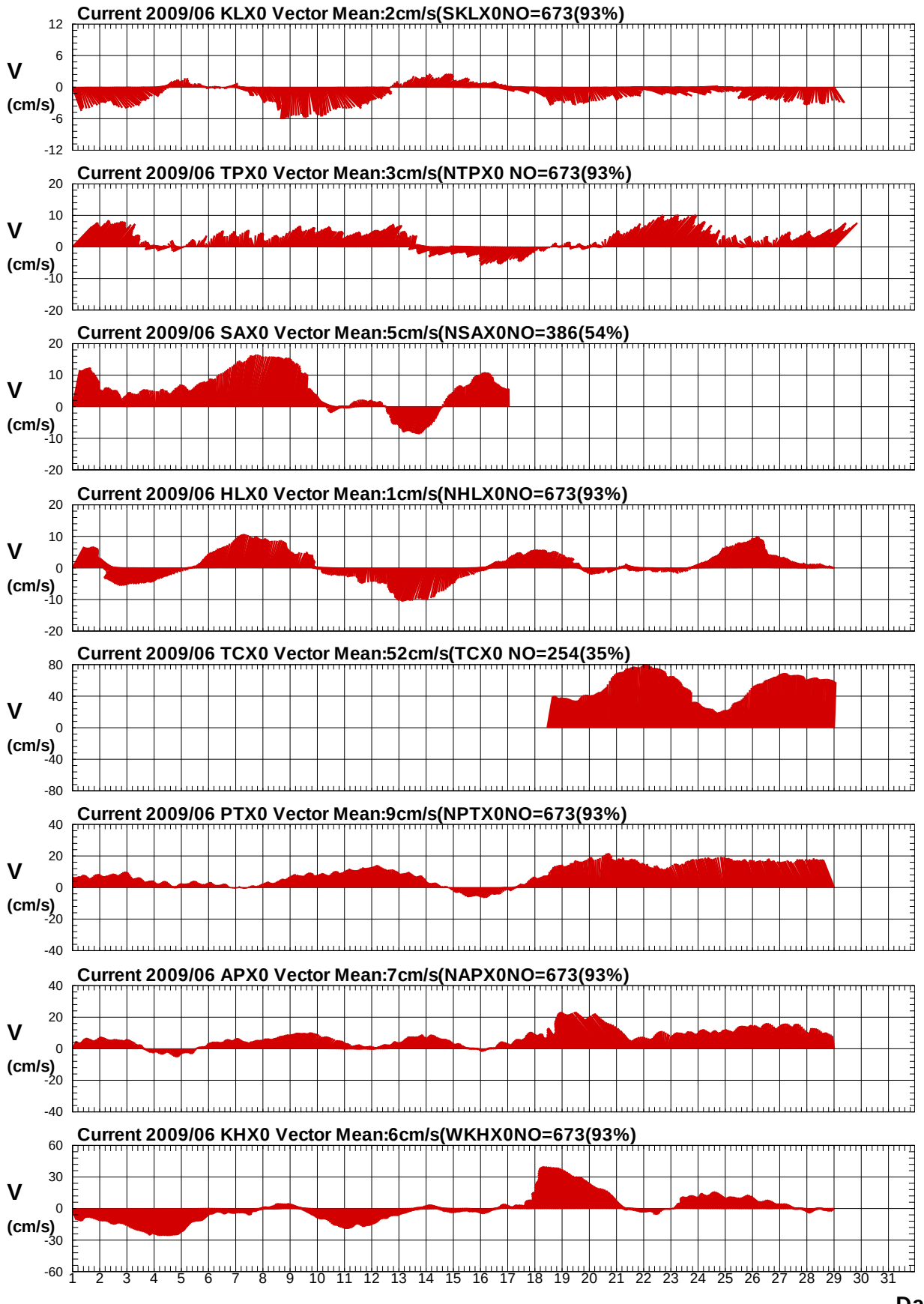


圖 4.9.84　2009年 6 月 8 商港 48時平均流矢圖

C096KLX0.48H C096TPX0.48H C096SAX0.48H C096HLX0.48H C096TCX0.48H C096PTX0.48H
C096APX0.48H C096KHX0.48H

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Eight Harbors Current Speed at 2009/07

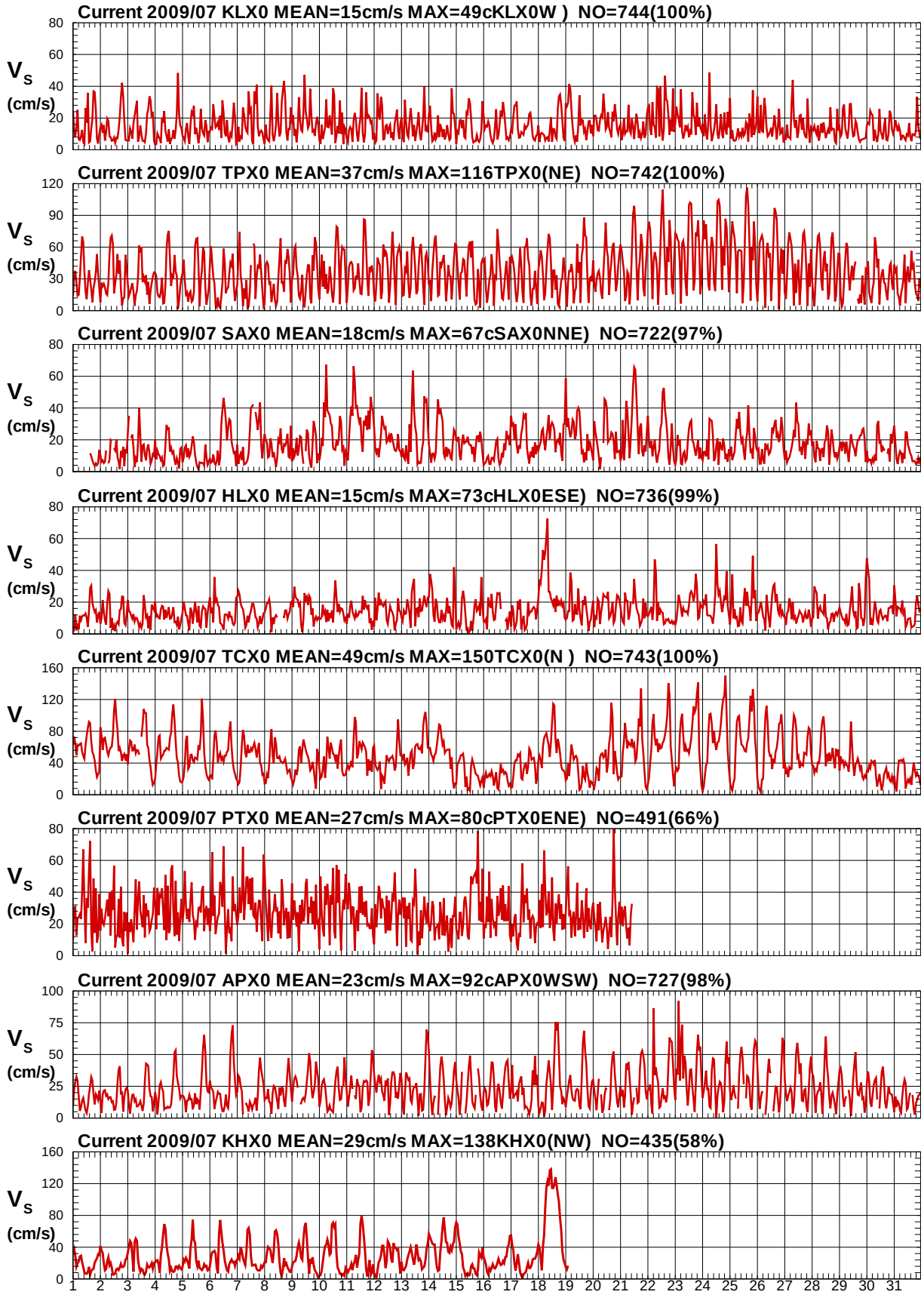


圖 4.9.85　2009年 7月8商港 觀測流速歷線圖

C097KLX0.1HA C097TPX0.1HA C097SAX0.1HA C097HLX0.1HA C097TCX0.1HA C097PTX0.1HA
C097APX0.1HA C097KHX0.1HA

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Eight Harbors Current Direction at 2009/07

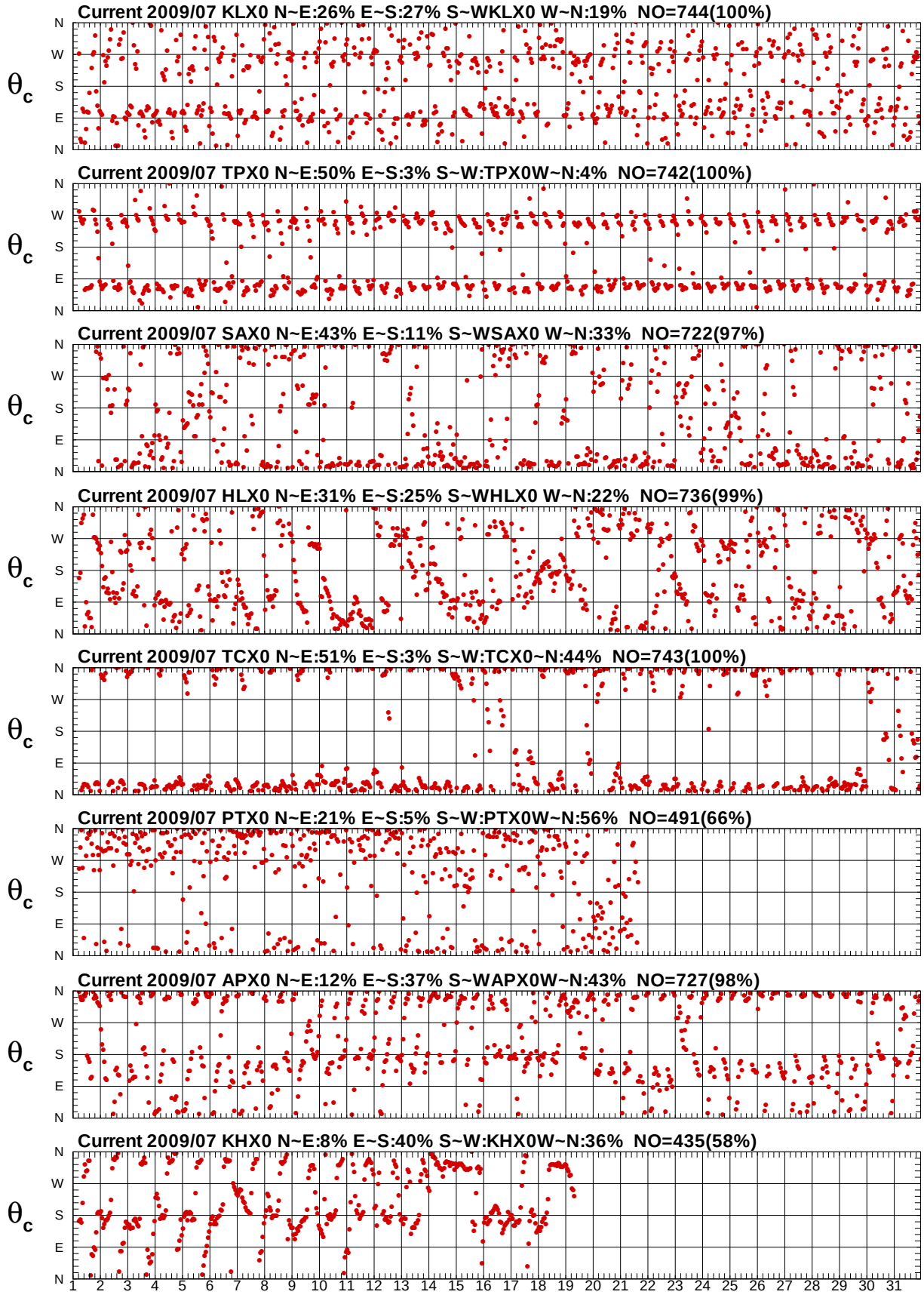


圖 4.9.86　2009年 7月8商港 觀測流向歷線圖

C097KLX0.1HA C097TPX0.1HA C097SAX0.1HA C097HLX0.1HA C097TCX0.1HA C097PTX0.1HA
C097APX0.1HA C097KHX0.1HA

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Eight Harbors Current Vector at 2009/07

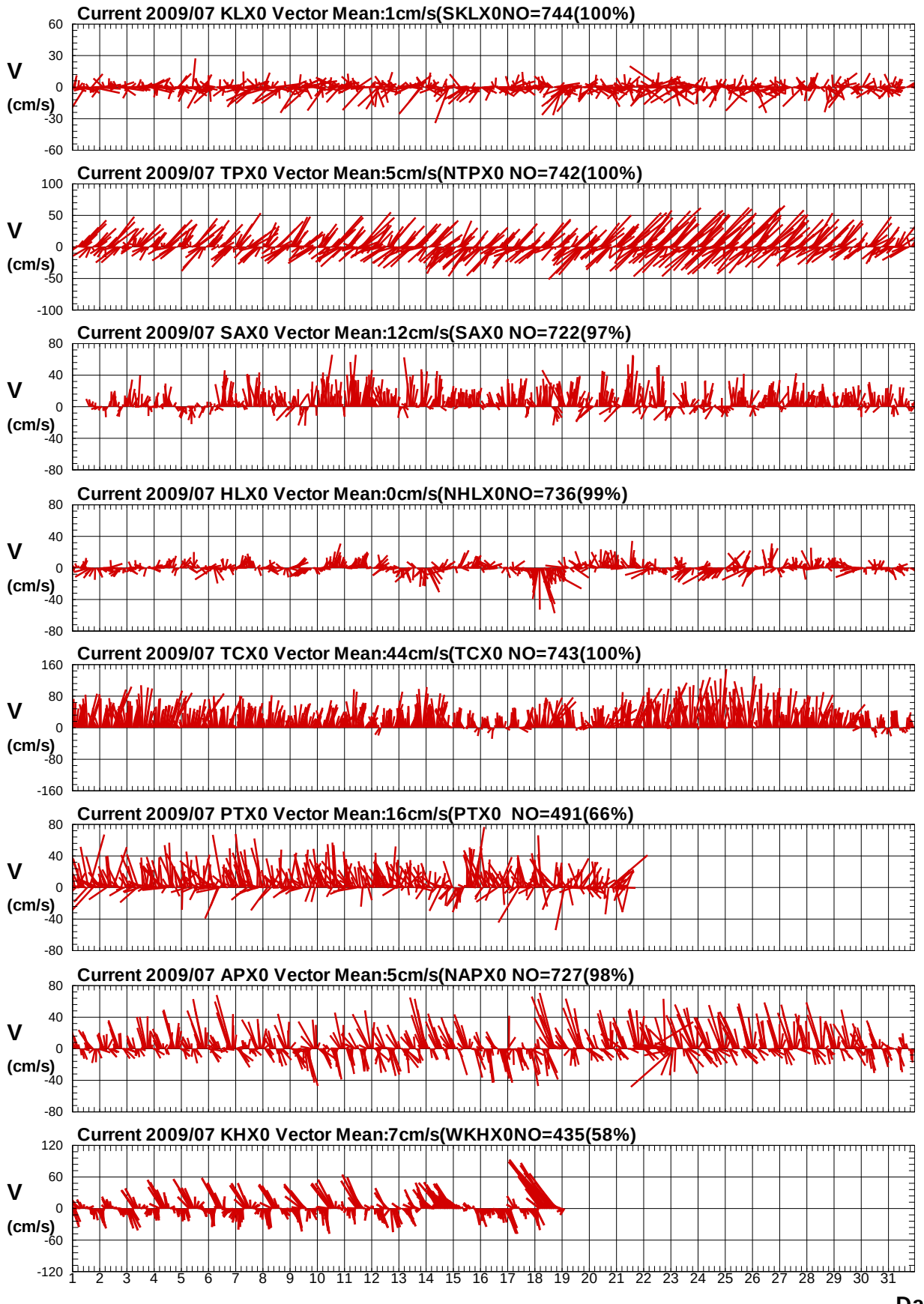


圖 4.9.87　2009年 7月8商港 觀測流矢圖

C097KLX0.1HA C097TPX0.1HA C097SAX0.1HA C097HLX0.1HA C097TCX0.1HA C097PTX0.1HA
C097APX0.1HA C097KHX0.1HA

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Eight Harbors Current Speed at 2009/07

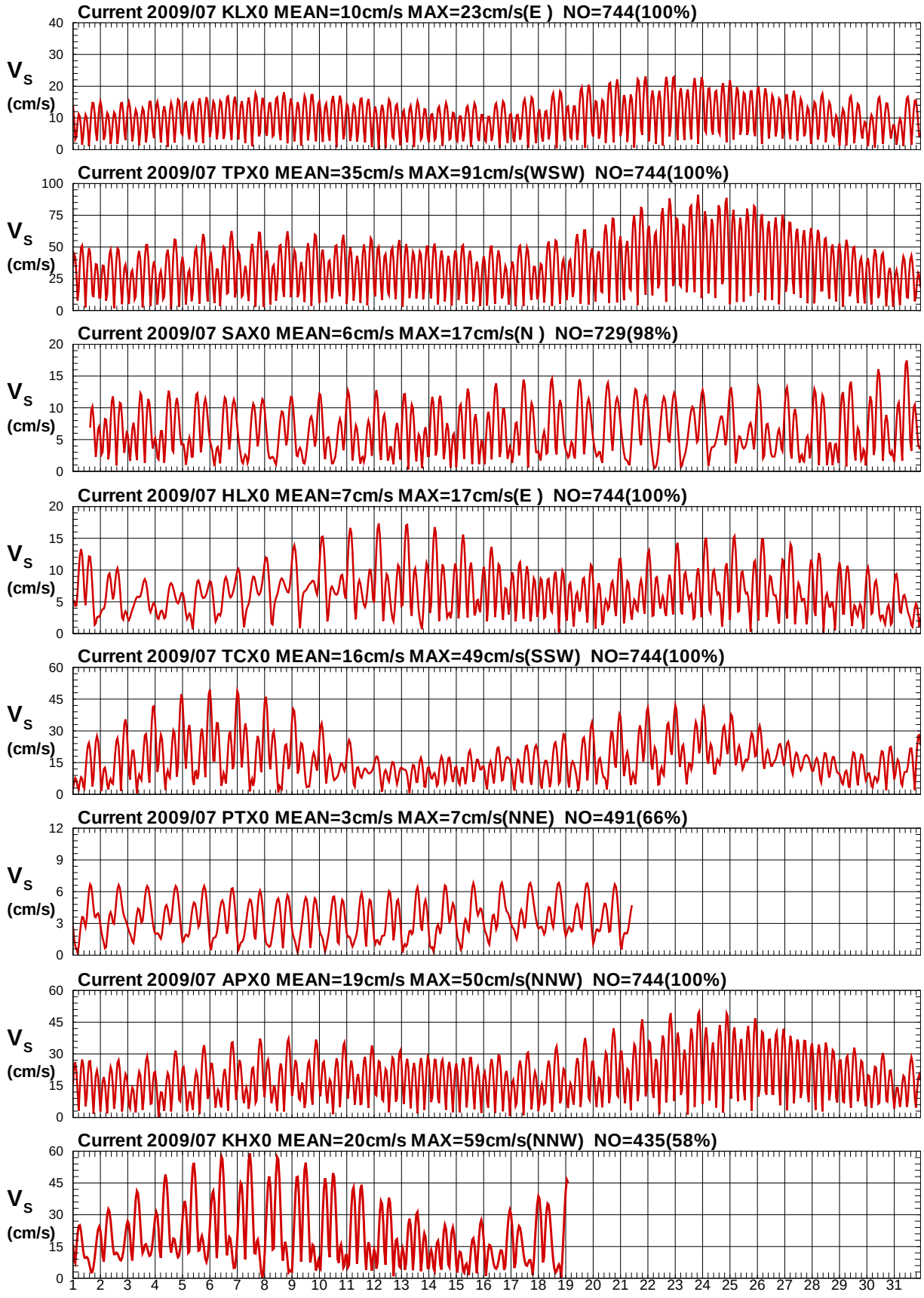


圖 4.9.88　2009年 7月8商港 潮流流速歷線圖

C097KLX0.1HC C097TPX0.1HC C097SAX0.1HC C097HLX0.1HC C097TCX0.1HC C097PTX0.1HC
C097APX0.1HC C097KHX0.1HC

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Eight Harbors Current Direction at 2009/07

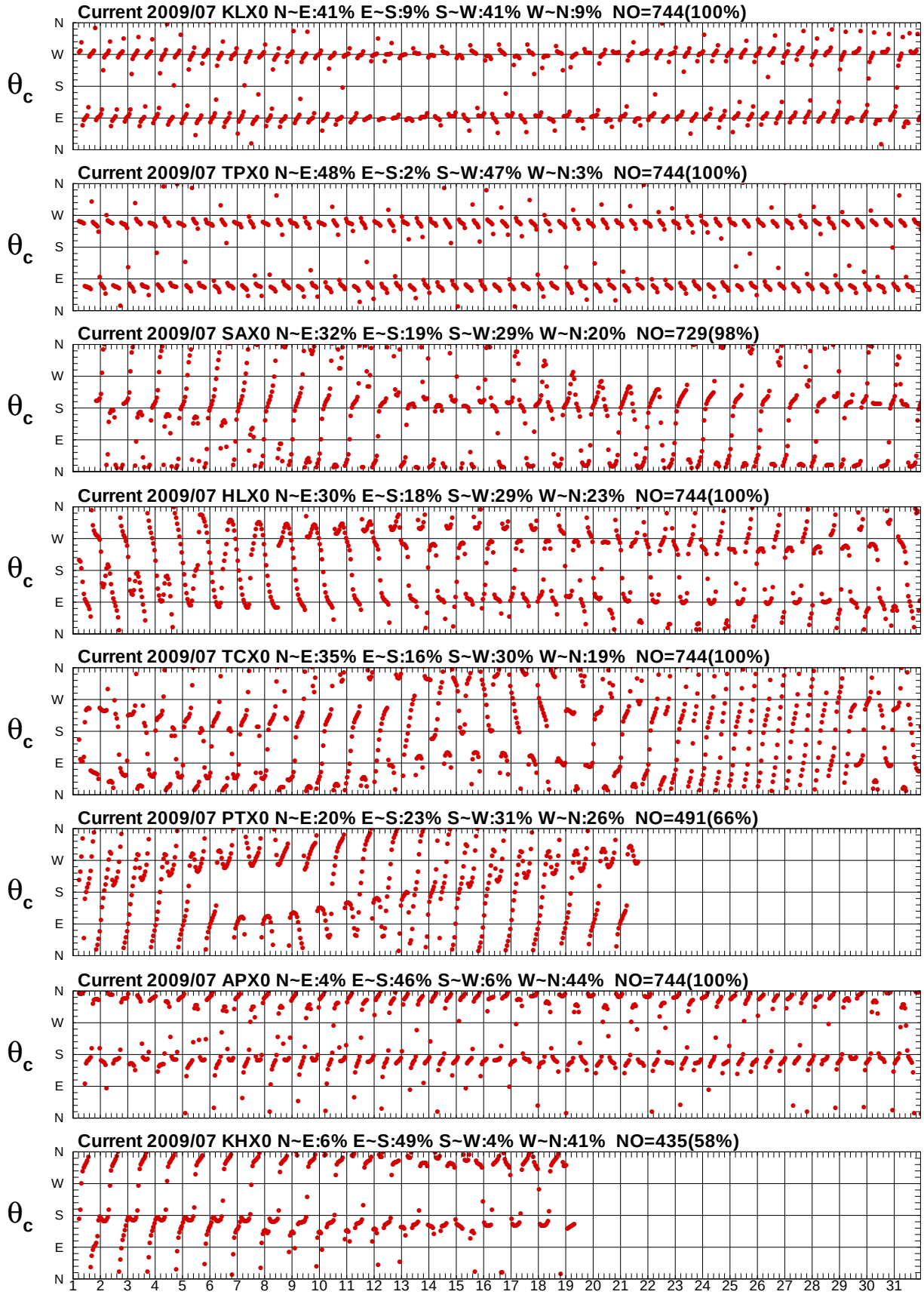


圖 4.9.89　2009年 7月8商港 潮流流向歷線圖

C097KLX0.1HC C097TPX0.1HC C097SAX0.1HC C097HLX0.1HC C097TCX0.1HC C097PTX0.1HC C097APX0.1HC C097KHX0.1HC

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Eight Harbors Current Vector at 2009/07

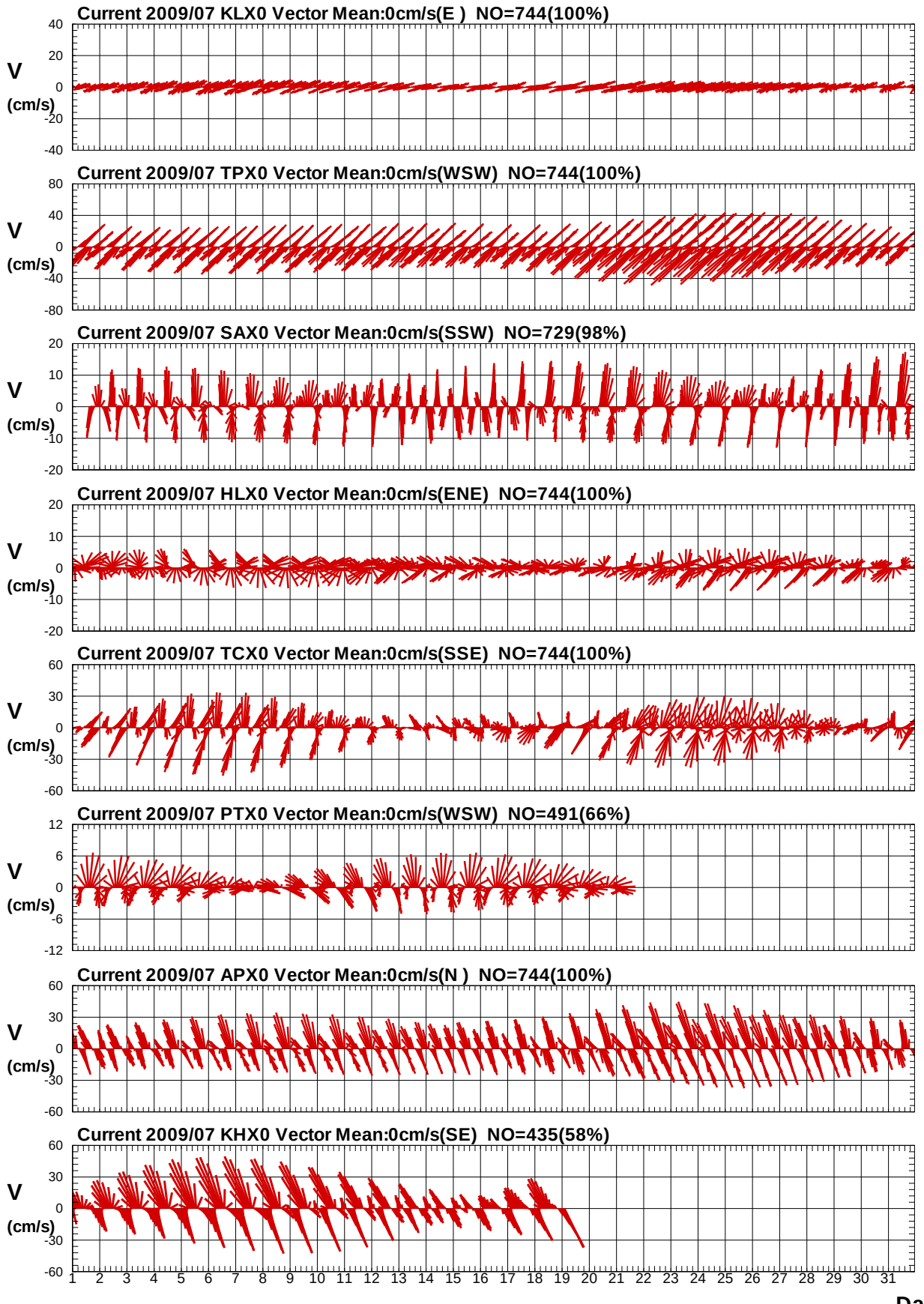


圖 4.9.90　2009年 7月8商港 潮流流矢圖

C097KLX0.1HC C097TPX0.1HC C097SAX0.1HC C097HLX0.1HC C097TCX0.1HC C097PTX0.1HC C097APX0.1HC C097KHX0.1HC

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Eight Harbors Current Speed at 2009/07

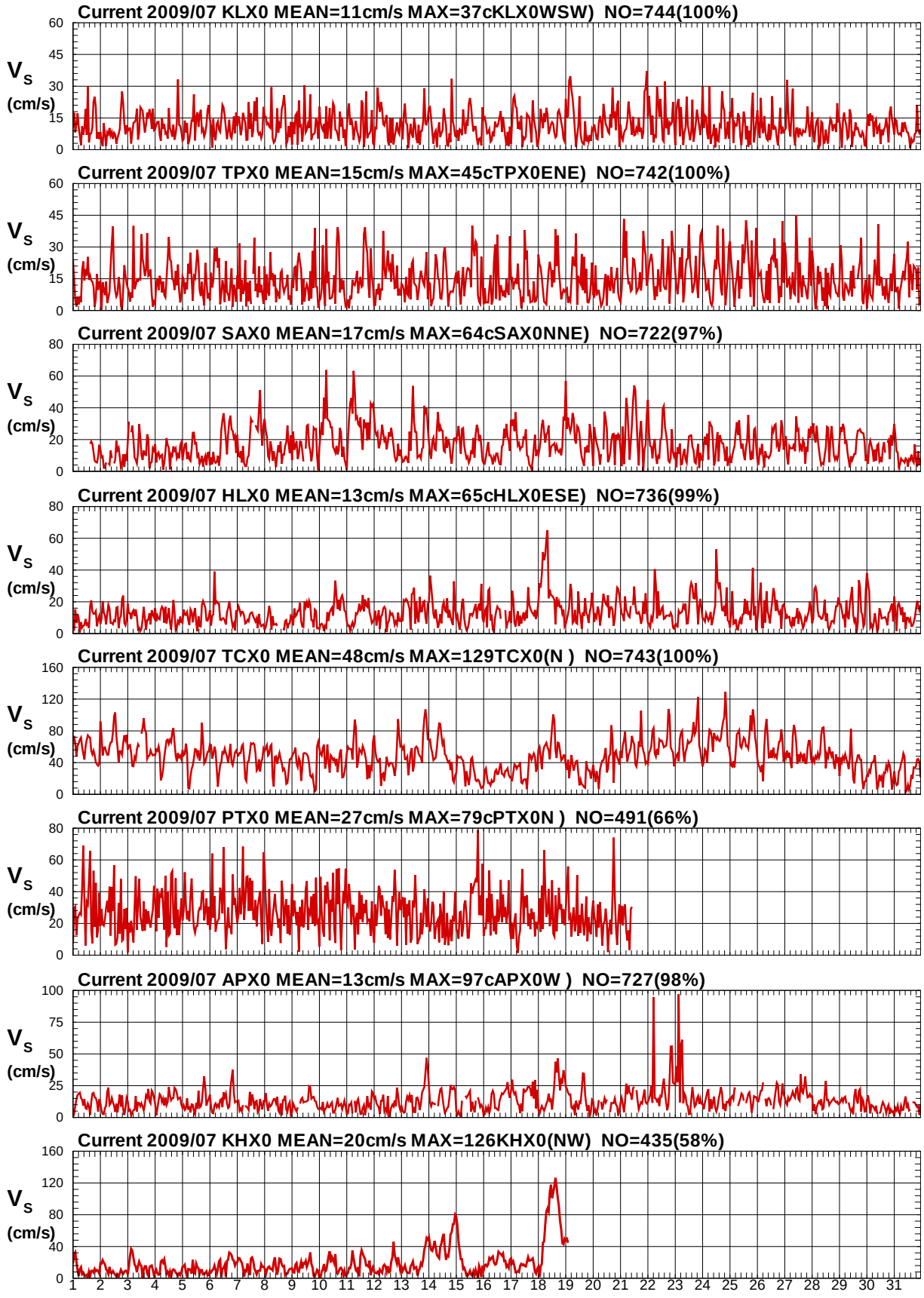


圖 4.9.91　2009年 7月8商港 非潮流速歷線圖

C097KLX0.1HR C097TPX0.1HR C097SAX0.1HR C097HLX0.1HR C097TCX0.1HR C097PTX0.1HR
C097APX0.1HR C097KHX0.1HR

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Eight Harbors Current Direction at 2009/07

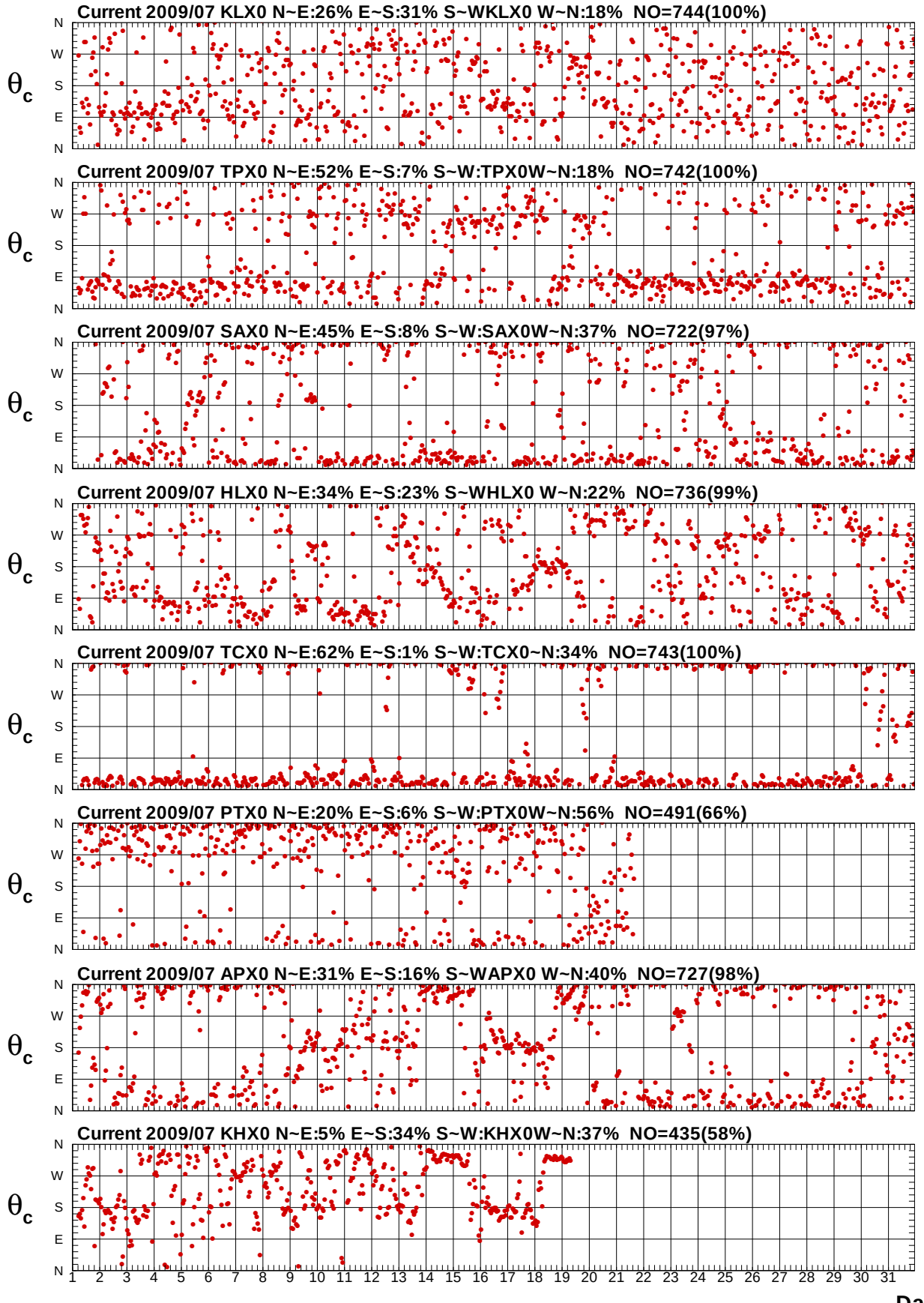


圖 4.9.92　2009年 7月8商港 非潮流向歷線圖

C097KLX0.1HR C097TPX0.1HR C097SAX0.1HR C097HLX0.1HR C097TCX0.1HR C097PTX0.1HR
C097APX0.1HR C097KHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/07

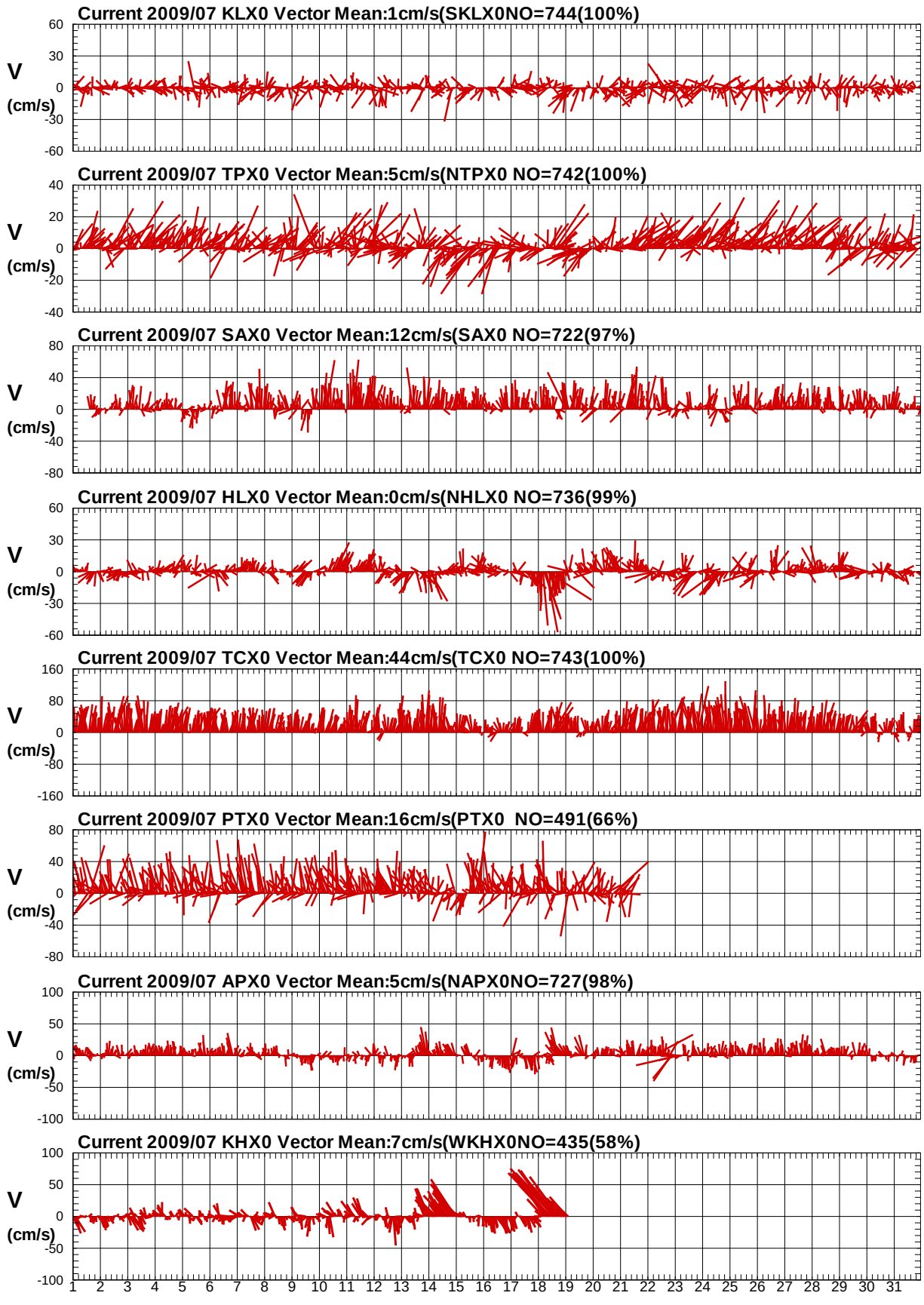


圖 4.9.93　2009年 7月8商港 非潮流矢圖

C097KLX0.1HR C097TPX0.1HR C097SAX0.1HR C097HLX0.1HR C097TCX0.1HR C097PTX0.1HR
C097APX0.1HR C097KHX0.1HR

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Eight Harbors Current Speed at 2009/07

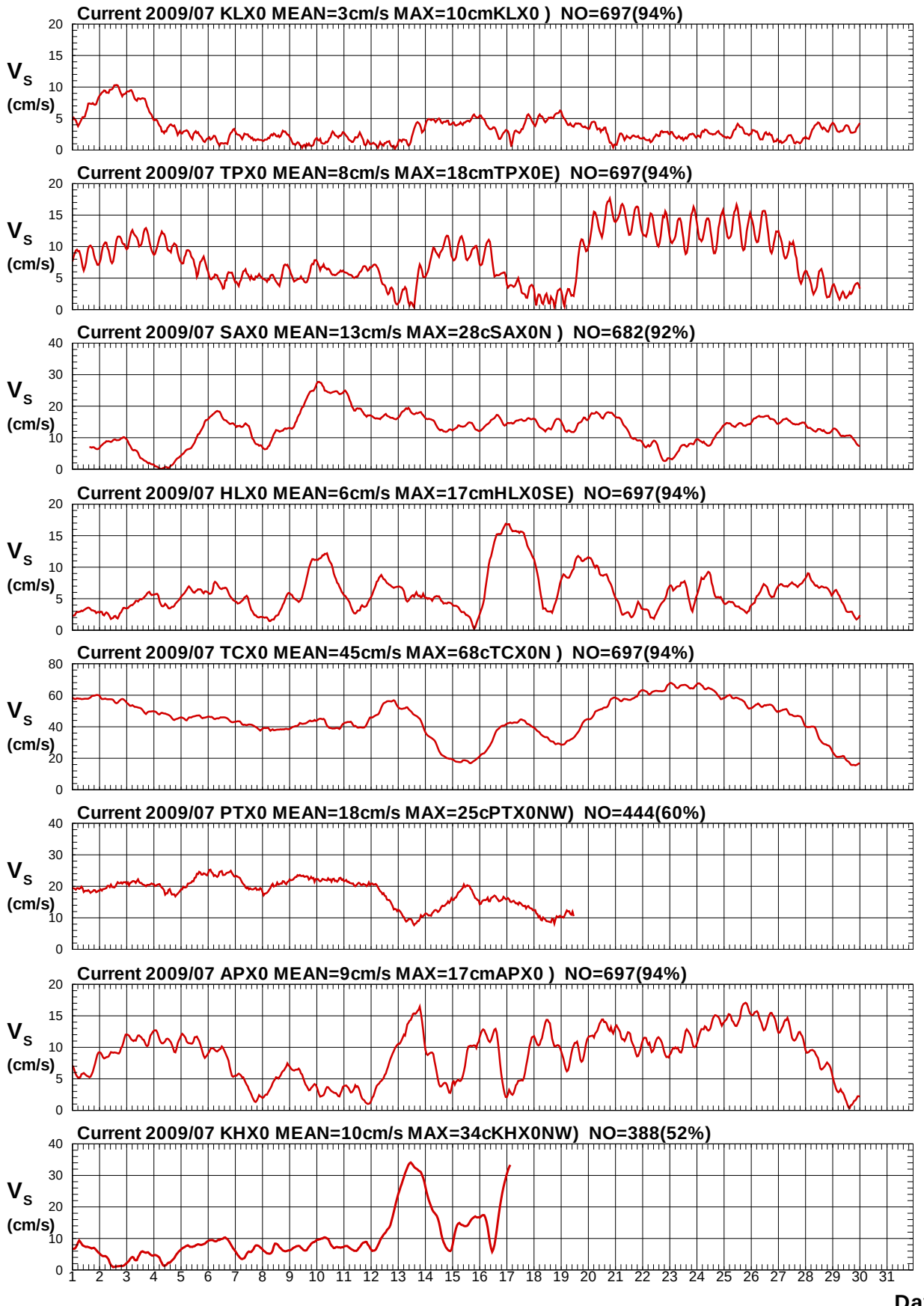


圖 4.9.94　2009年 7月8商港 48時平均流速歷線圖

C097KLX0.48H C097TPX0.48H C097SAX0.48H C097HLX0.48H C097TCX0.48H C097PTX0.48H
C097APX0.48H C097KHX0.48H

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Eight Harbors Current Direction at 2009/07

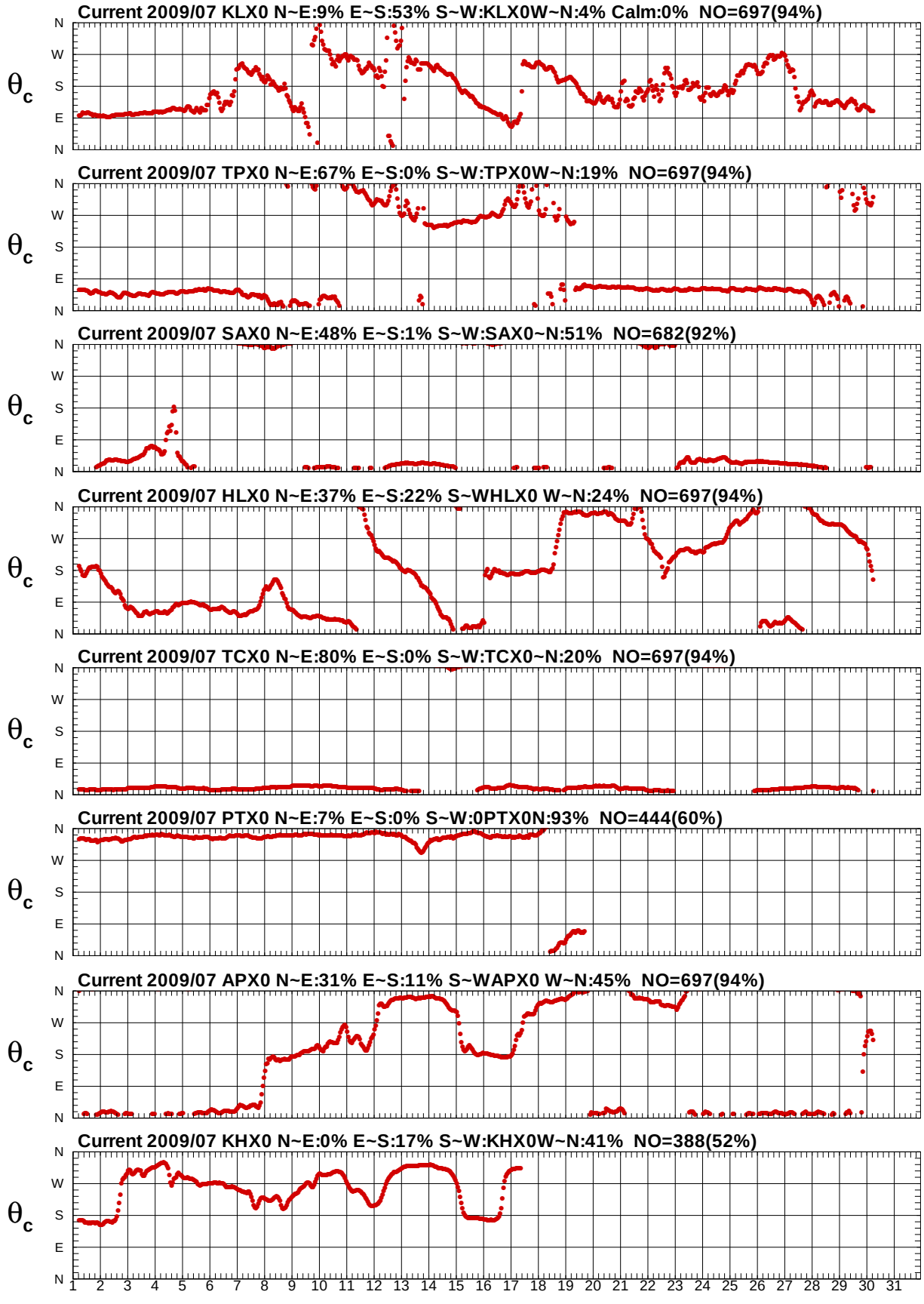


圖 4.9.95　2009年 7月8商港 48時平均流向歷線圖

C097KLX0.48H C097TPX0.48H C097SAX0.48H C097HLX0.48H C097TCX0.48H C097PTX0.48H
C097APX0.48H C097KHX0.48H

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Eight Harbors Current Vector at 2009/07

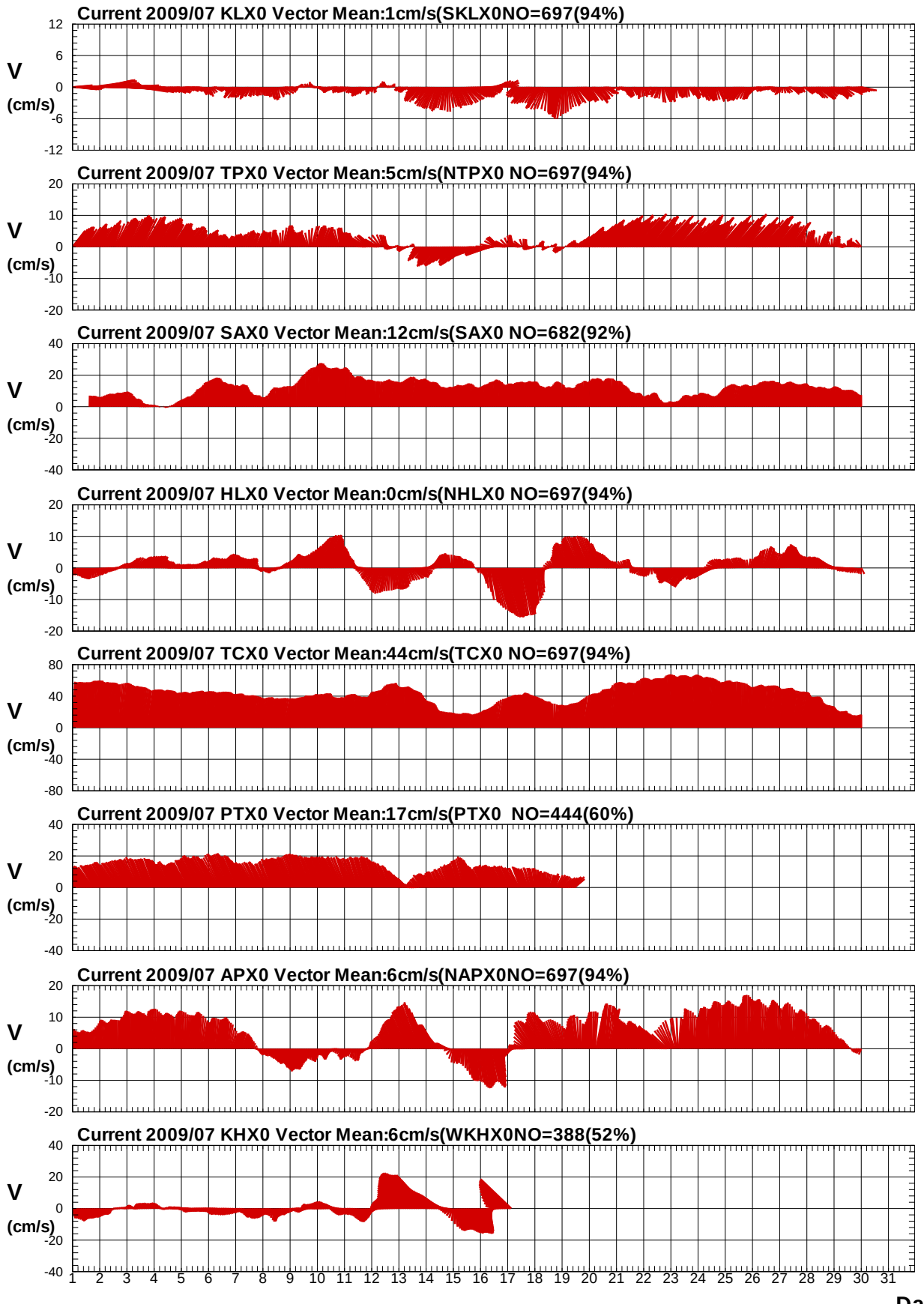


圖 4.9.96　2009年 7月8商港 48時平均流矢圖

C097KLX0.48H C097TPX0.48H C097SAX0.48H C097HLX0.48H C097TCX0.48H C097PTX0.48H
C097APX0.48H C097KHX0.48H

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Eight Harbors Current Speed at 2009/08

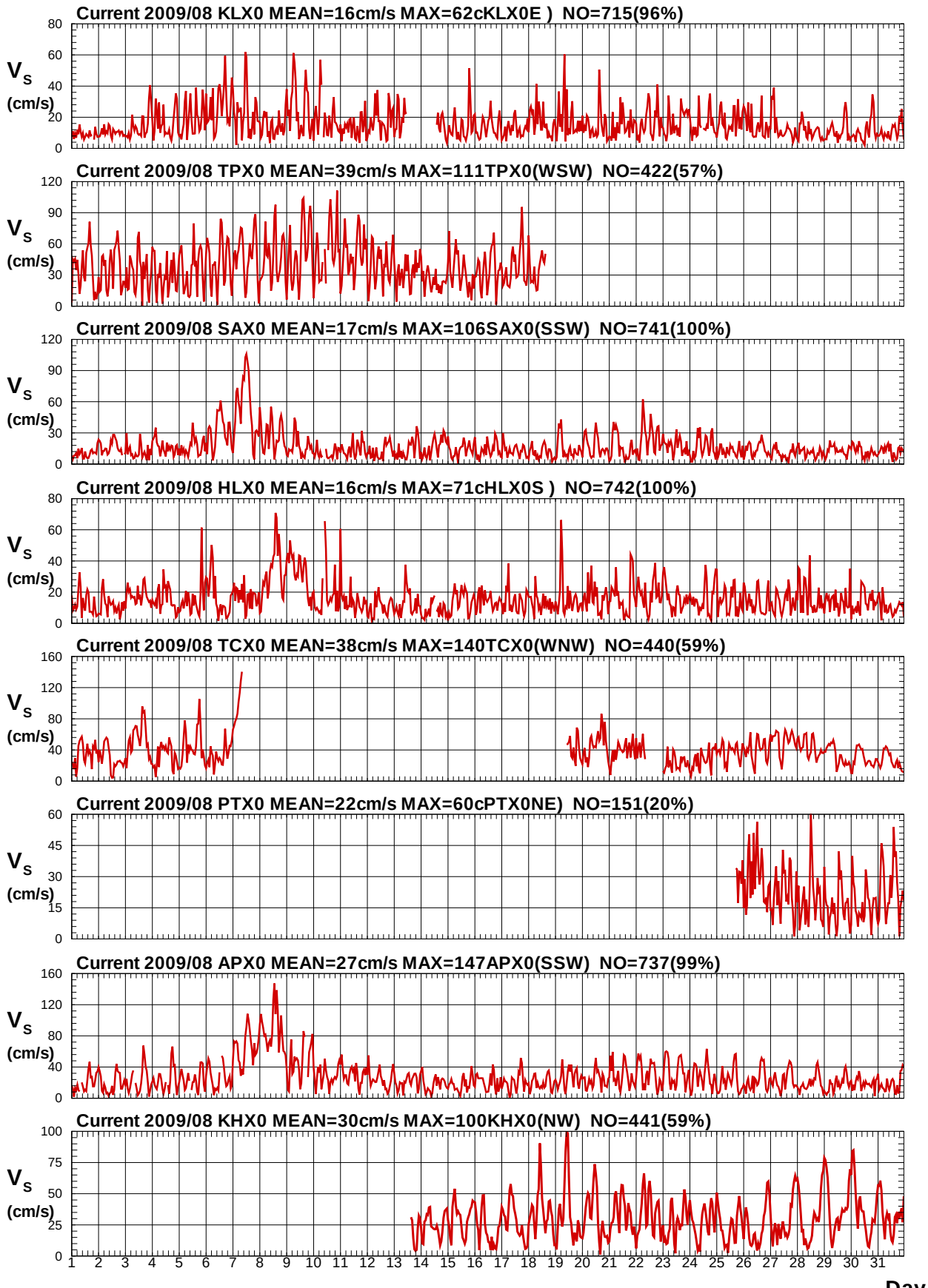


圖 4.9.97　2009年 8 月 8 商港 觀測流速歷線圖

C098KLX0.1HA C098TPX0.1HA C098SAX0.1HA C098HLX0.1HA C098TCX0.1HA C098PTX0.1HA C098APX0.1HA C098KHX0.1HA

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Eight Harbors Current Direction at 2009/08

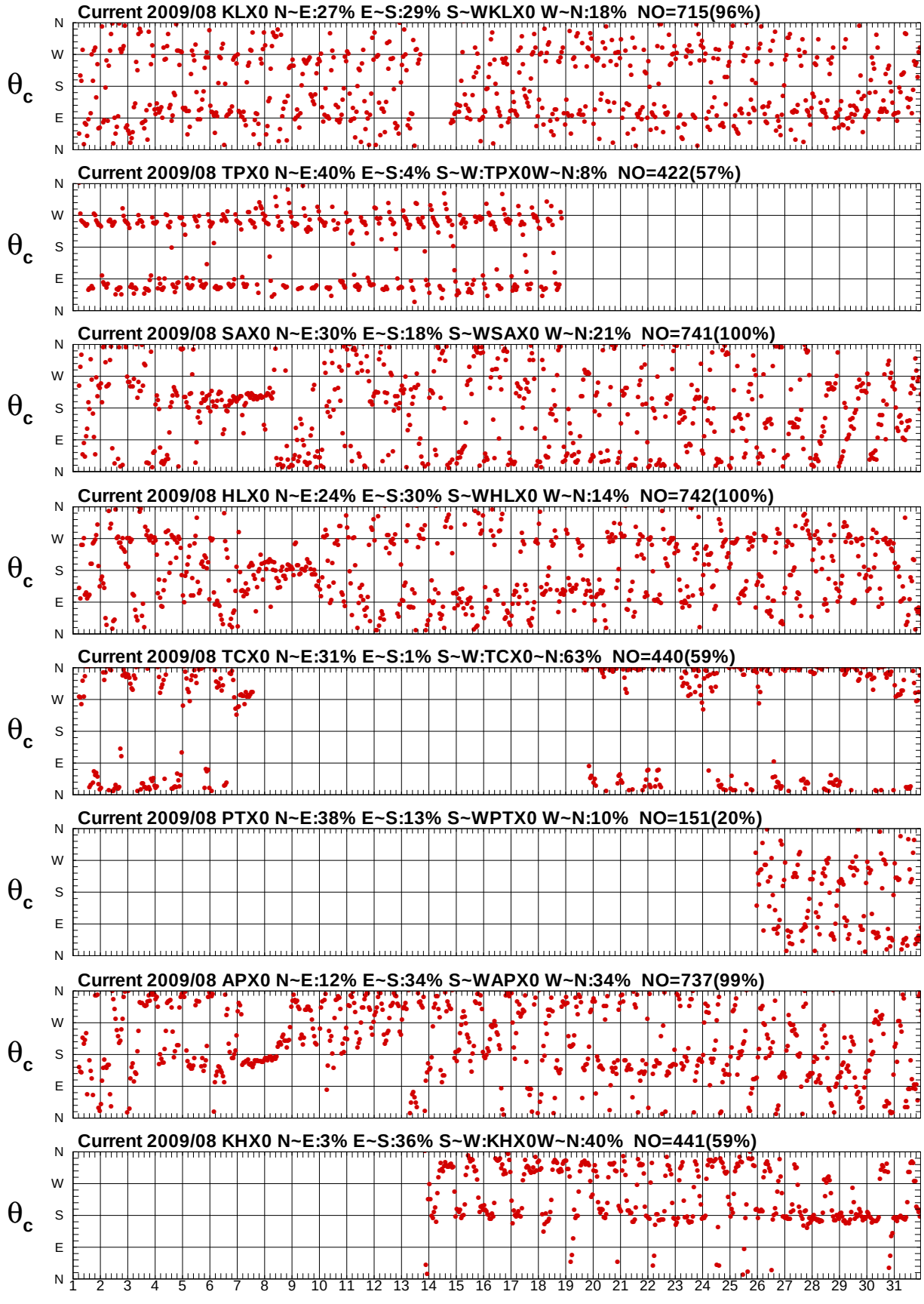


圖 4.9.98　2009年 8 月 8 商港 觀測流向歷線圖

C098KLX0.1HA C098TPX0.1HA C098SAX0.1HA C098HLX0.1HA C098TCX0.1HA C098PTX0.1HA
C098APX0.1HA C098KHX0.1HA

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/08

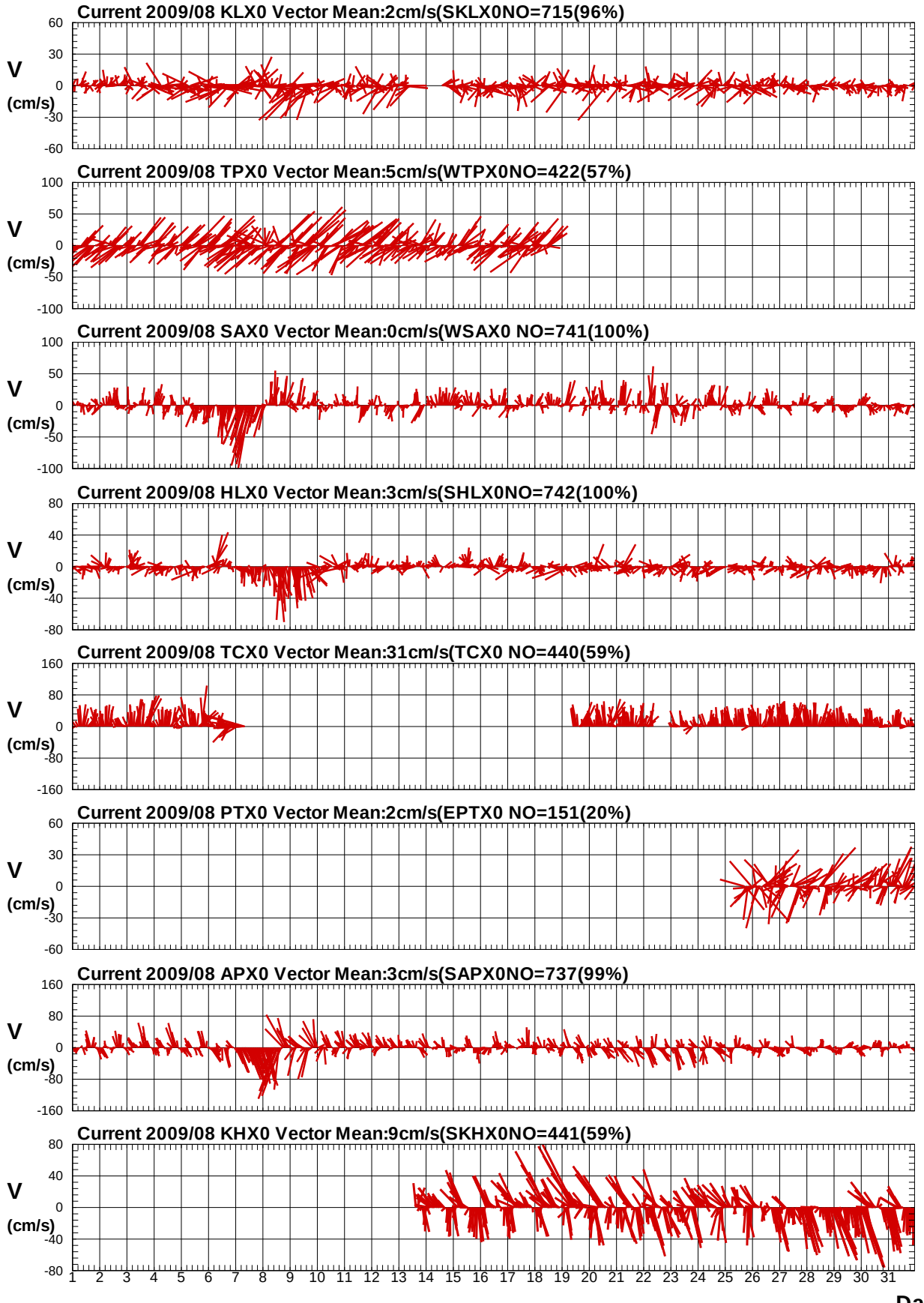


圖 4.9.99　2009年 8 月 8 商港 觀測流矢圖

C098KLX0.1HA C098TPX0.1HA C098SAX0.1HA C098HLX0.1HA C098TCX0.1HA C098PTX0.1HA
C098APX0.1HA C098KHX0.1HA

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Eight Harbors Current Speed at 2009/08

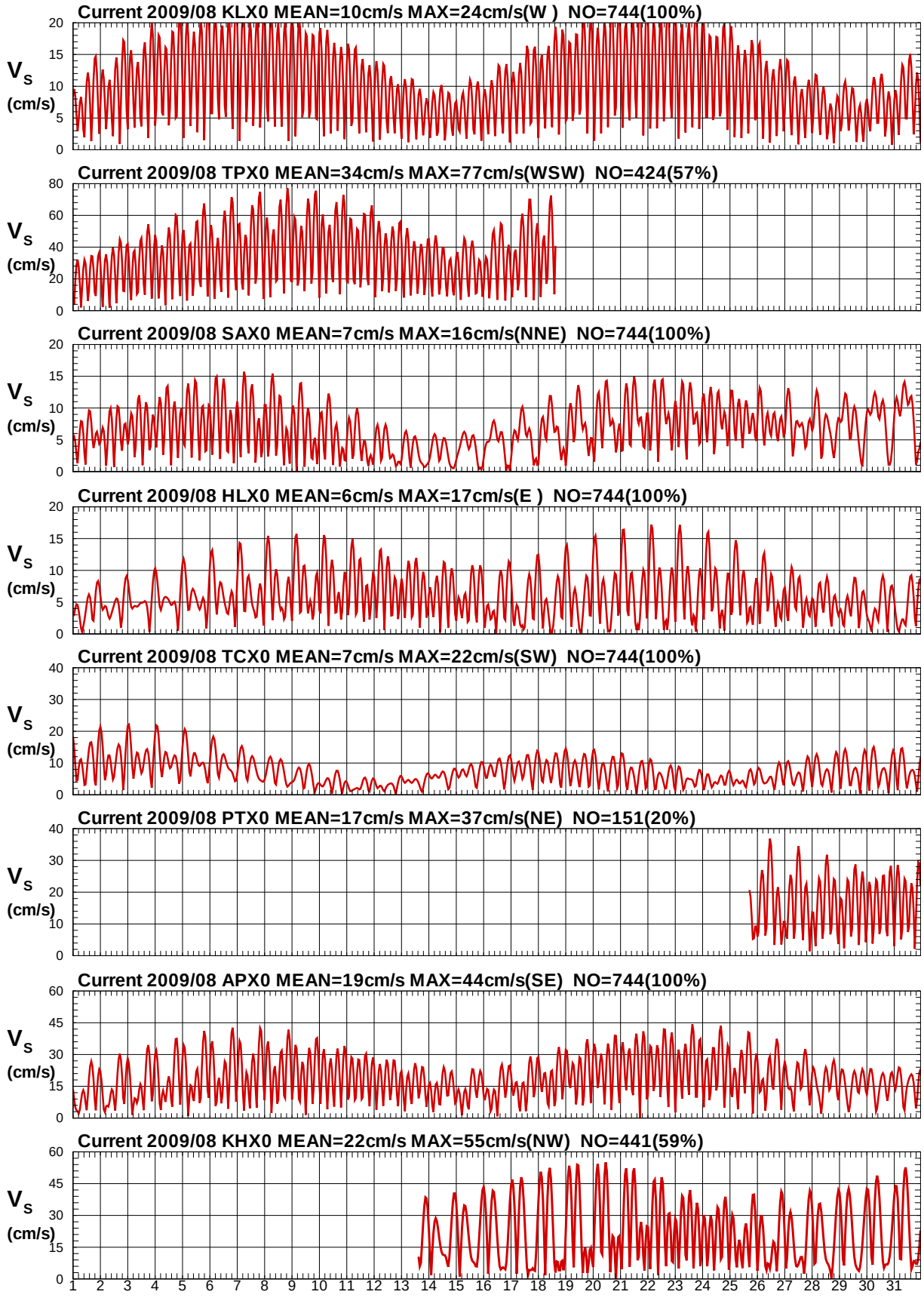


圖 4.9.100　2009年 8 月 8 商港 潮流流速歷線圖

C098KLX0.1HC C098TPX0.1HC C098SAX0.1HC C098HLX0.1HC C098TCX0.1HC C098PTX0.1HC
C098APX0.1HC C098KHX0.1HC

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Eight Harbors Current Direction at 2009/08

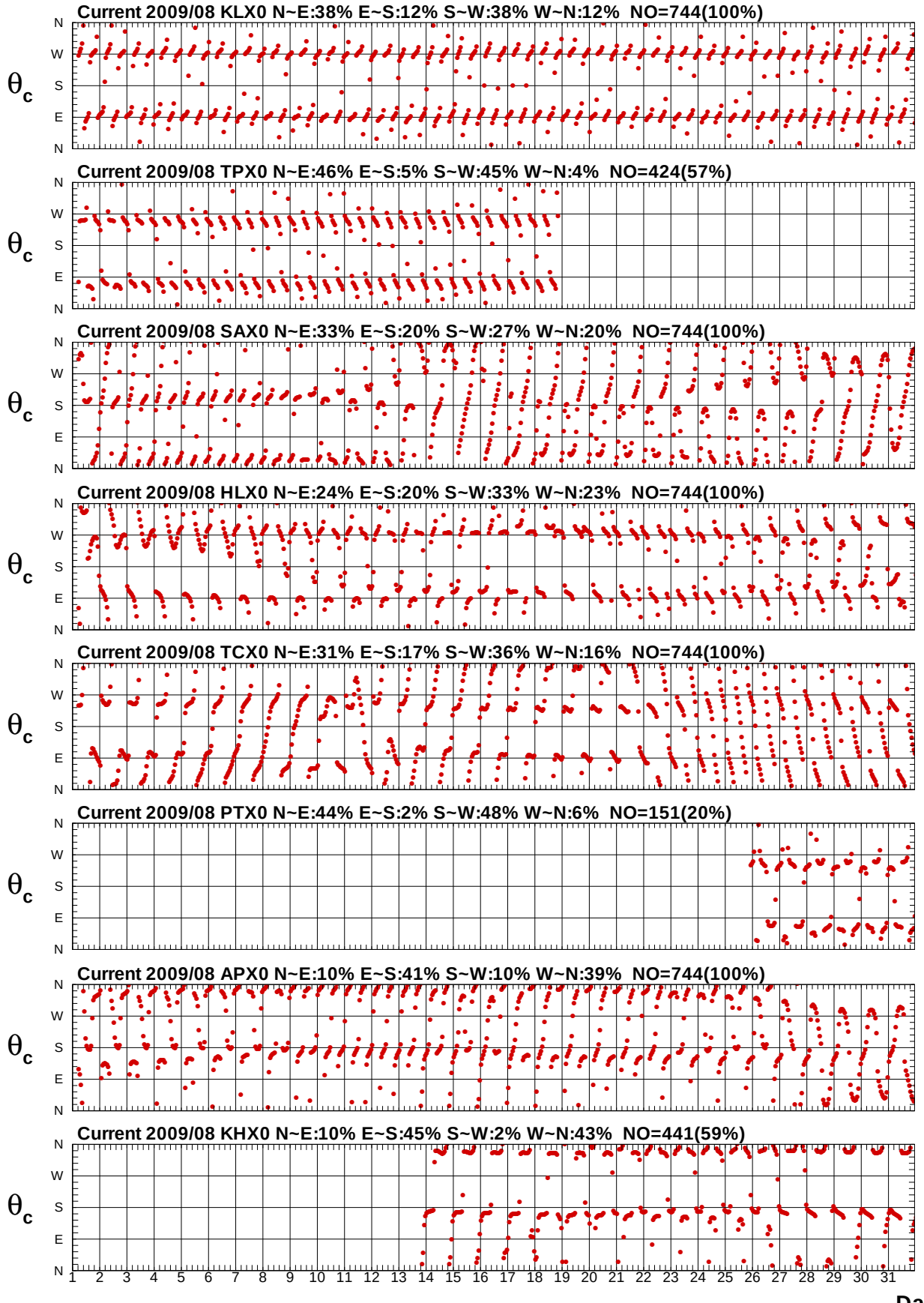


圖 4.9.101　2009年 8 月 8 商港 潮流流向歷線圖

C098KLX0.1HC C098TPX0.1HC C098SAX0.1HC C098HLX0.1HC C098TCX0.1HC C098PTX0.1HC
C098APX0.1HC C098KHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/08

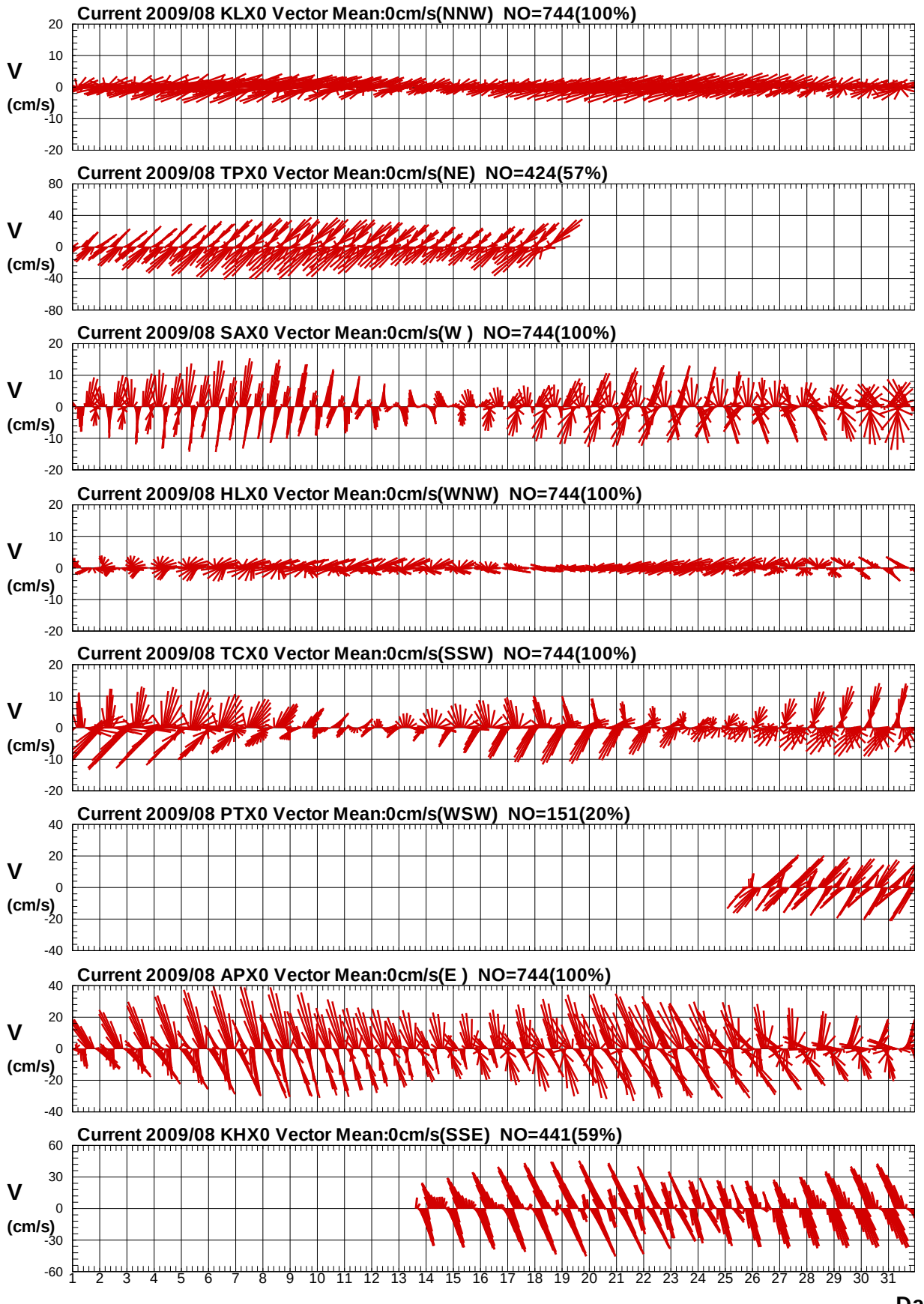


圖 4.9.102　2009年 8月8商港 潮流流矢圖

C098KLX0.1HC C098TPX0.1HC C098SAX0.1HC C098HLX0.1HC C098TCX0.1HC C098PTX0.1HC
C098APX0.1HC C098KHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2009/08

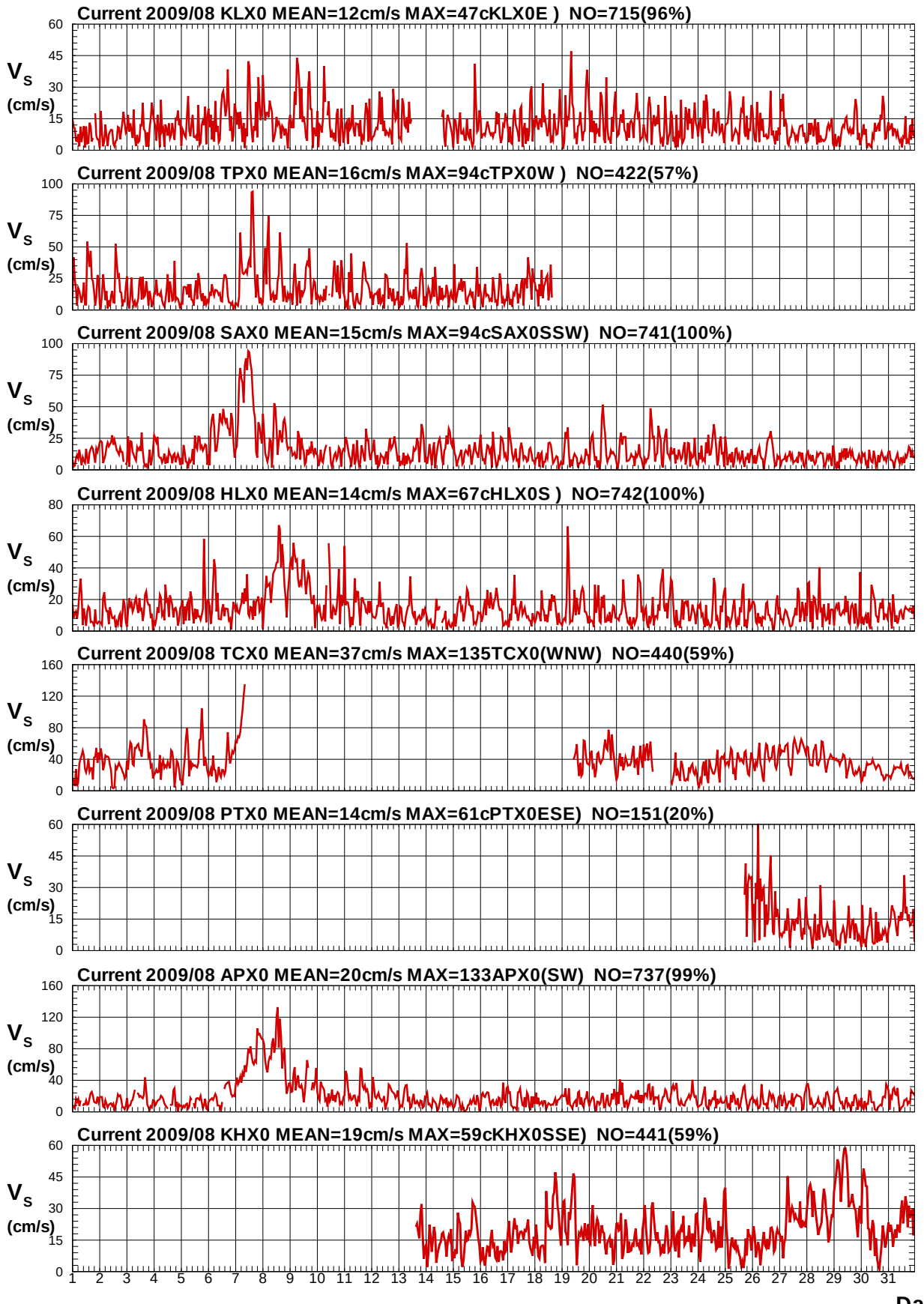


圖 4.9.103　2009年 8月8商港 非潮流速歷線圖

C098KLX0.1HR C098TPX0.1HR C098SAX0.1HR C098HLX0.1HR C098TCX0.1HR C098PTX0.1HR
C098APX0.1HR C098KHX0.1HR

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Eight Harbors Current Direction at 2009/08

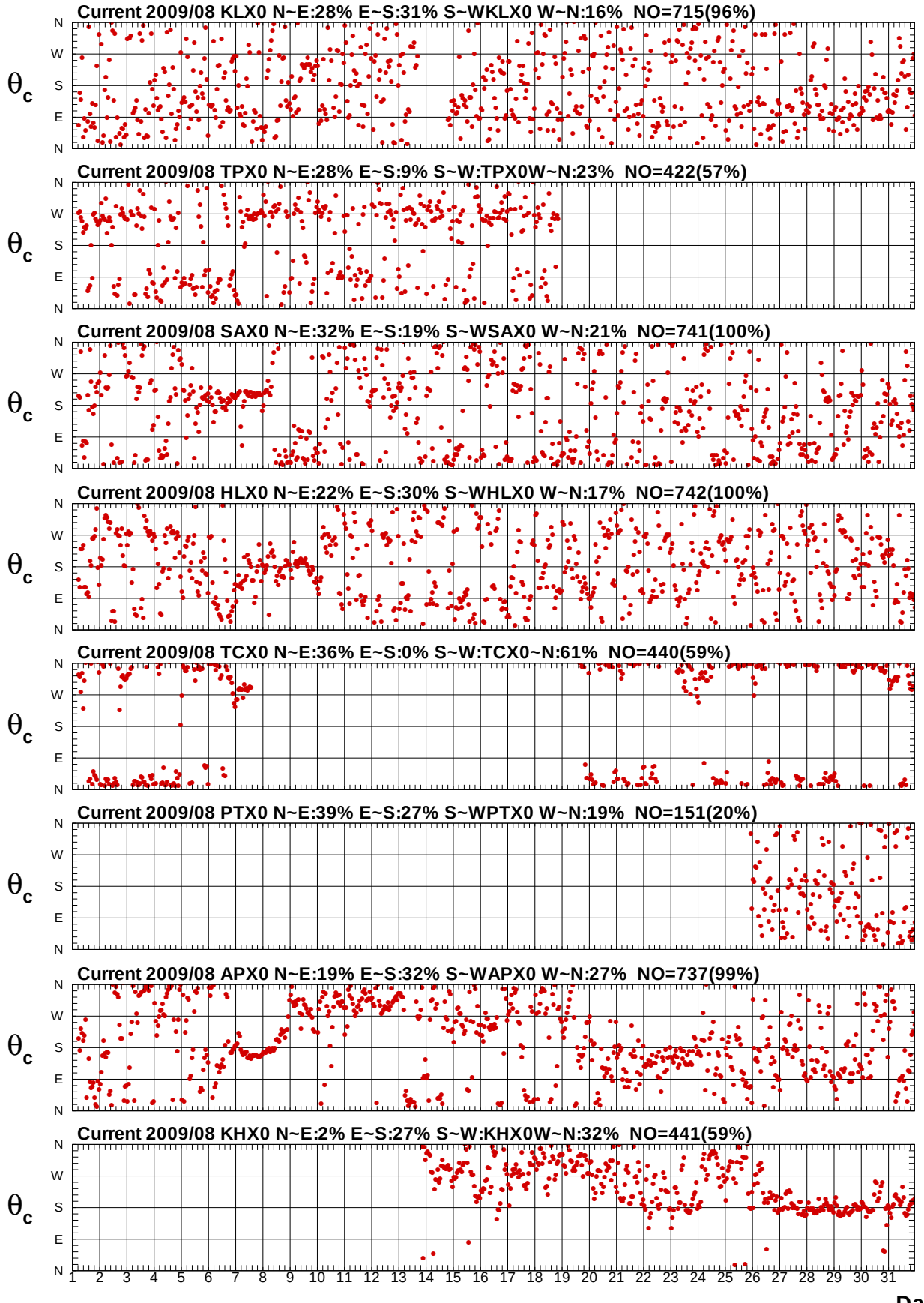


圖 4.9.104　2009年 8 月 8 商港 非潮流向歷線圖

C098KLX0.1HR C098TPX0.1HR C098SAX0.1HR C098HLX0.1HR C098TCX0.1HR C098PTX0.1HR
C098APX0.1HR C098KHX0.1HR

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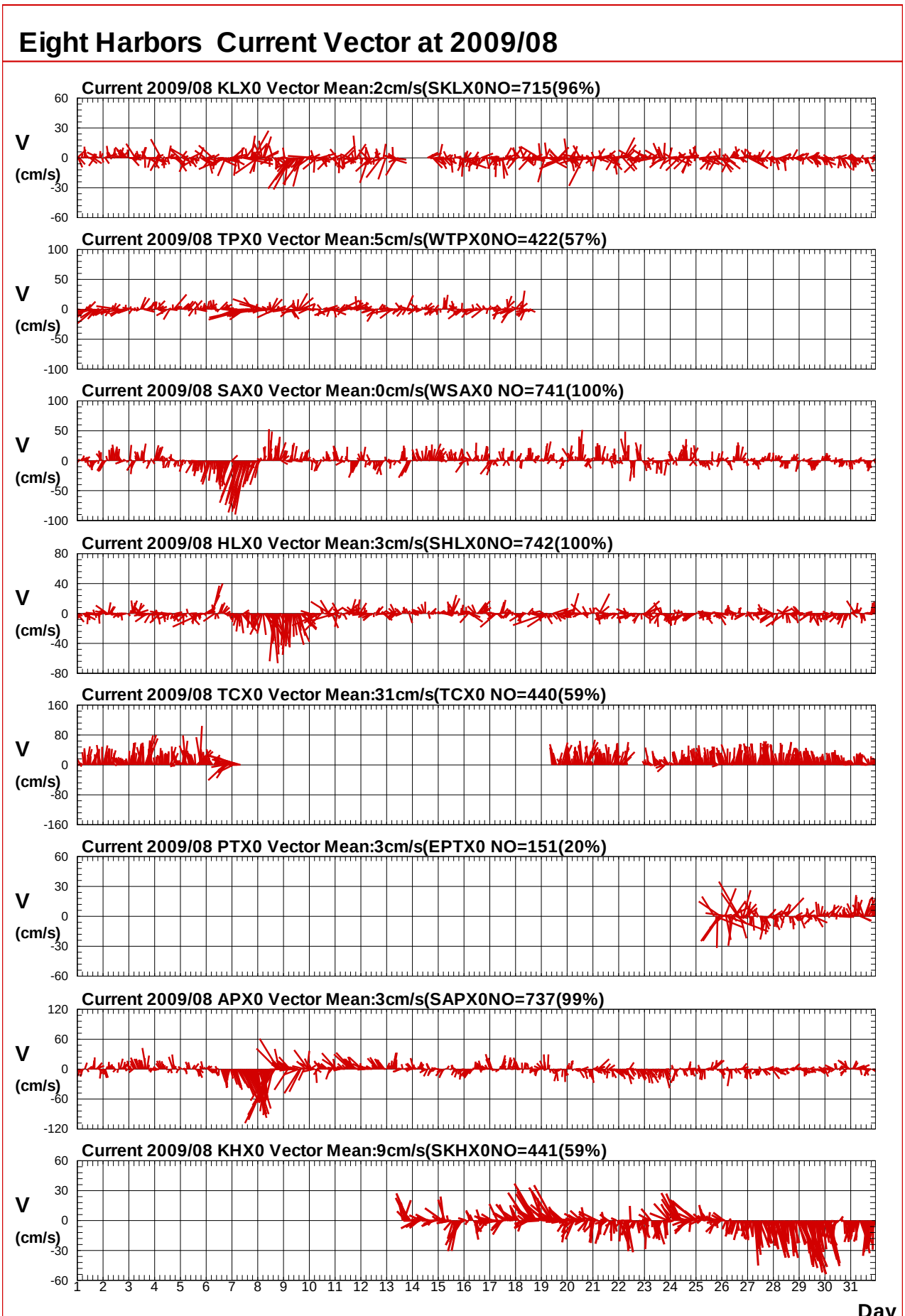


圖4.9.105　2009年 8月8商港 非潮流矢圖

C098KLX0.1HR C098TPX0.1HR C098SAX0.1HR C098HLX0.1HR C098TCX0.1HR C098PTX0.1HR
C098APX0.1HR C098KHX0.1HR

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Eight Harbors Current Speed at 2009/08

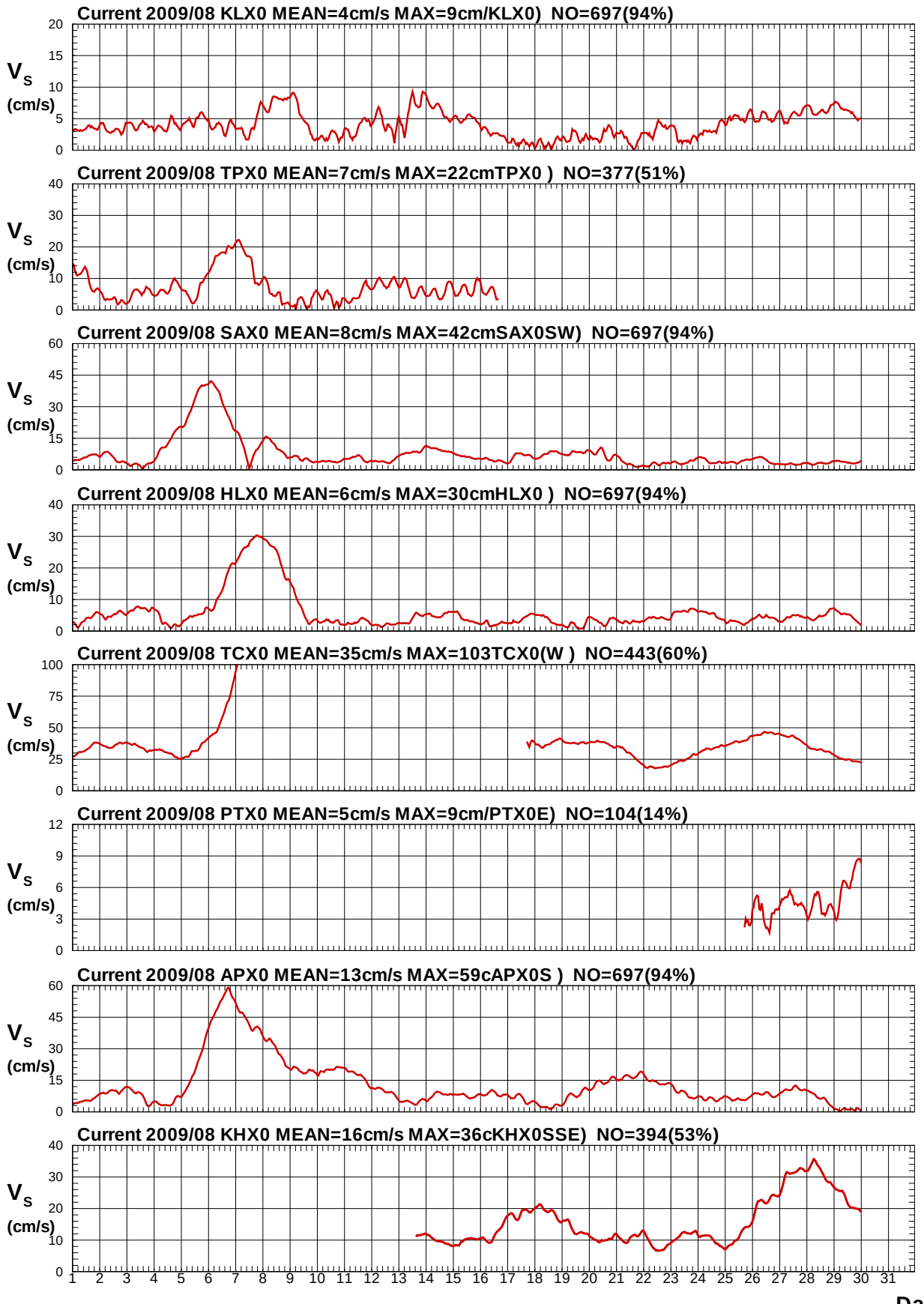


圖 4.9.106　2009年 8月8商港 48時平均流速歷線圖

C098KLX0.48H C098TPX0.48H C098SAX0.48H C098HLX0.48H C098TCX0.48H C098PTX0.48H
C098APX0.48H C098KHX0.48H

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Eight Harbors Current Direction at 2009/08

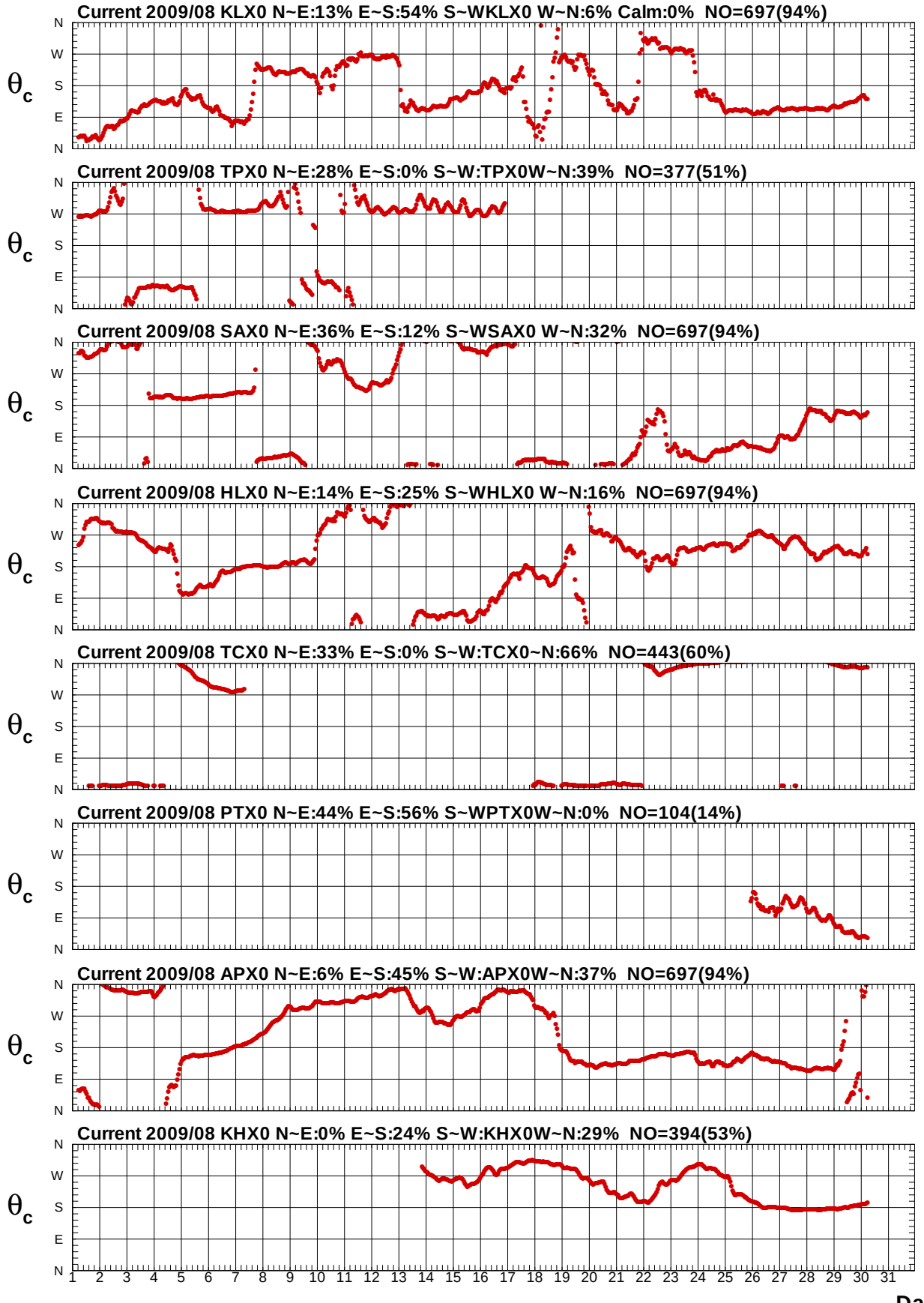


圖 4.9.107　2009年 8月8商港 48時平均流向歷線圖

C098KLX0.48H C098TPX0.48H C098SAX0.48H C098HLX0.48H C098TCX0.48H C098PTX0.48H
C098APX0.48H C098KHX0.48H

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/08

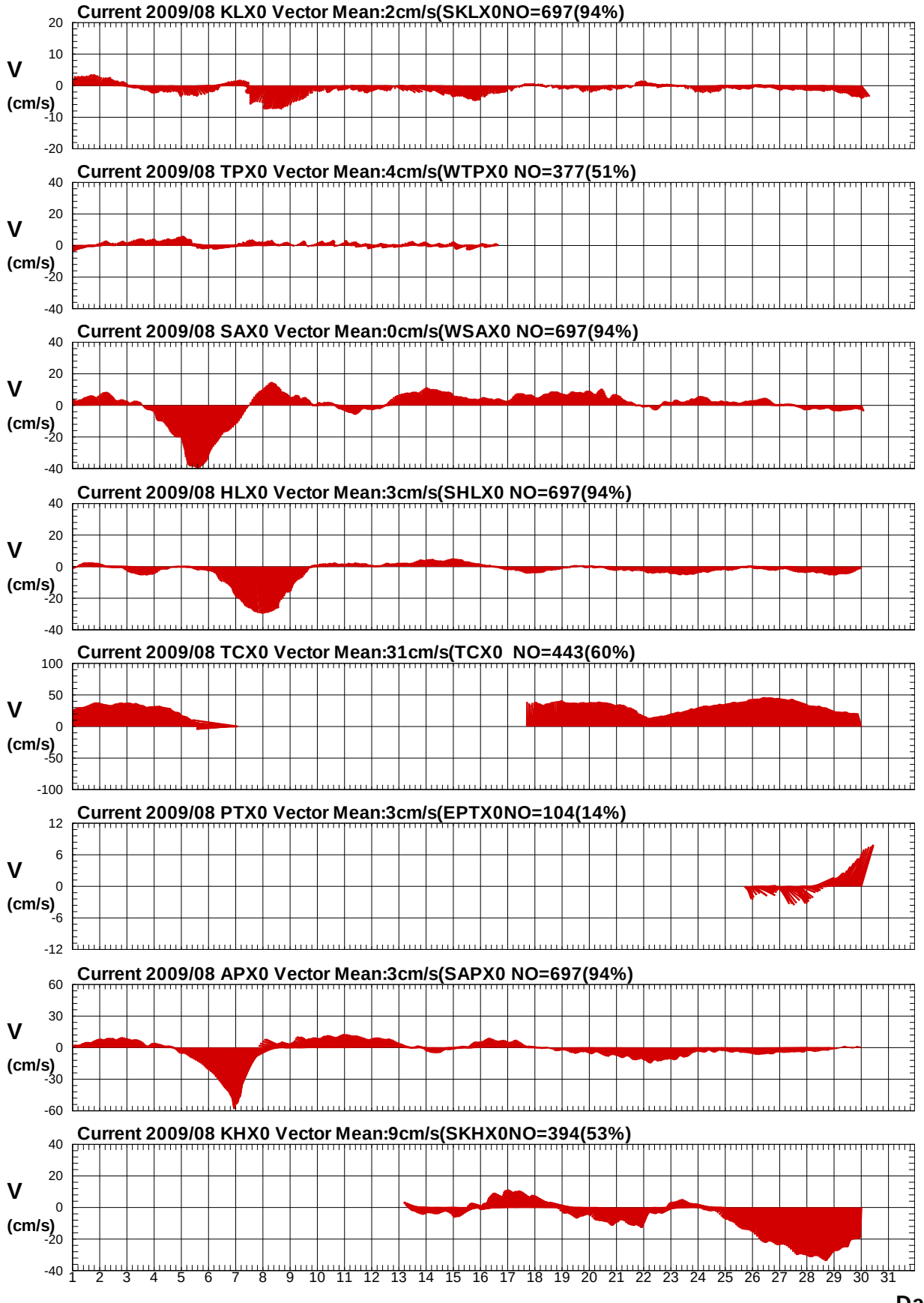


圖 4.9.108　2009年 8 月 8 商港 48時平均流矢圖

C098KLX0.48H C098TPX0.48H C098SAX0.48H C098HLX0.48H C098TCX0.48H C098PTX0.48H
C098APX0.48H C098KHX0.48H

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CURC5A.BAT(CURC5AV.DAT)

2010/11/09

Eight Harbors Current Speed at 2009/09

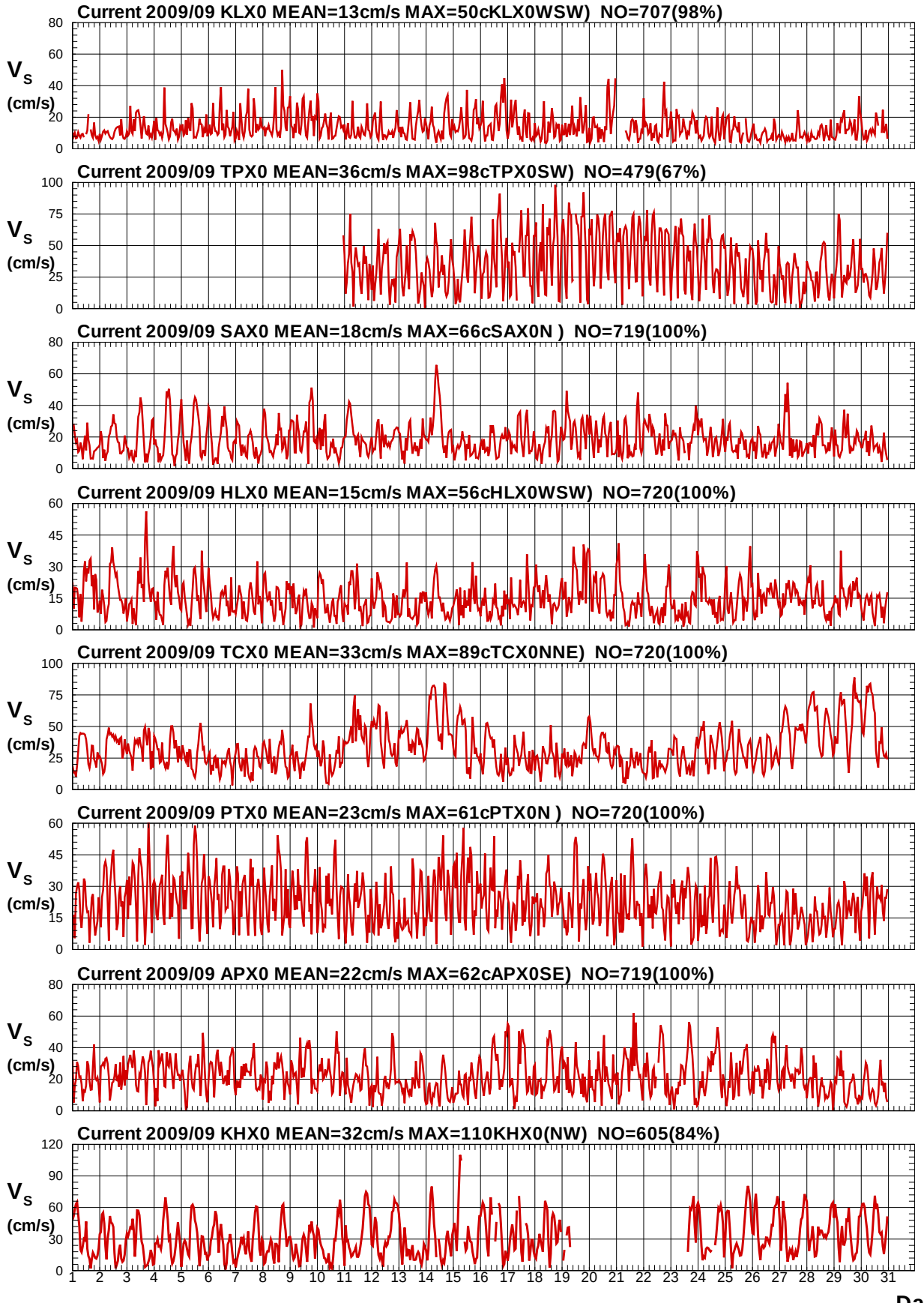


圖 4.9.109　2009年 9 月 8 商港 觀測流速歷線圖

C099KLX0.1HA C099TPX0.1HA C099SAX0.1HA C099HLX0.1HA C099TCX0.1HA C099PTX0.1HA
C099APX0.1HA C099KHX0.1HA

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Eight Harbors Current Direction at 2009/09

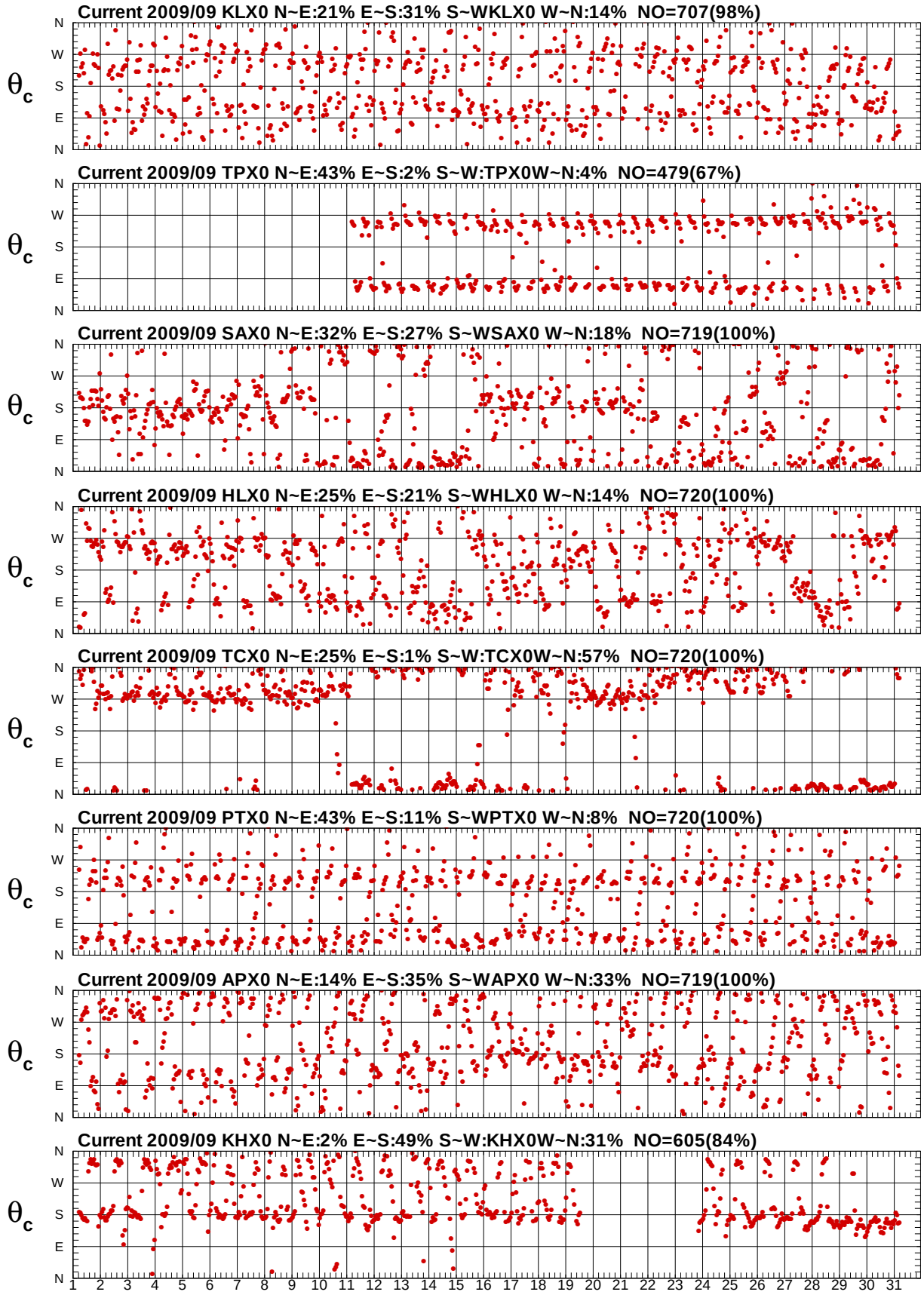


圖4.9.110　2009年 9月8商港 觀測流向歷線圖

C099KLX0.1HA C099TPX0.1HA C099SAX0.1HA C099HLX0.1HA C099TCX0.1HA C099PTX0.1HA C099APX0.1HA C099KHX0.1HA

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Eight Harbors Current Vector at 2009/09

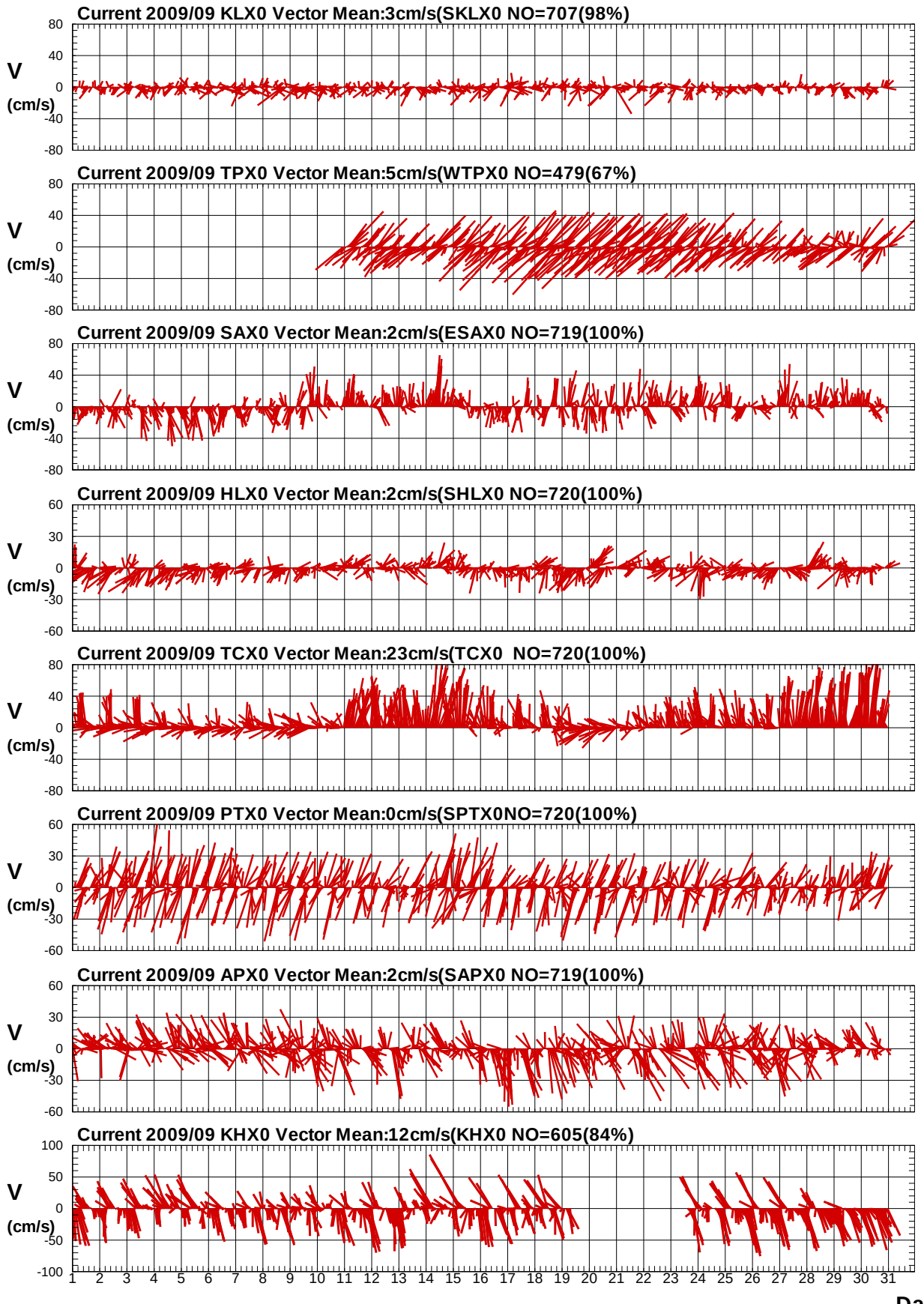


圖 4.9.111　2009年 9 月 8 商港 觀測流矢圖

C099KLX0.1HA C099TPX0.1HA C099SAX0.1HA C099HLX0.1HA C099TCX0.1HA C099PTX0.1HA
C099APX0.1HA C099KHX0.1HA

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Eight Harbors Current Speed at 2009/09

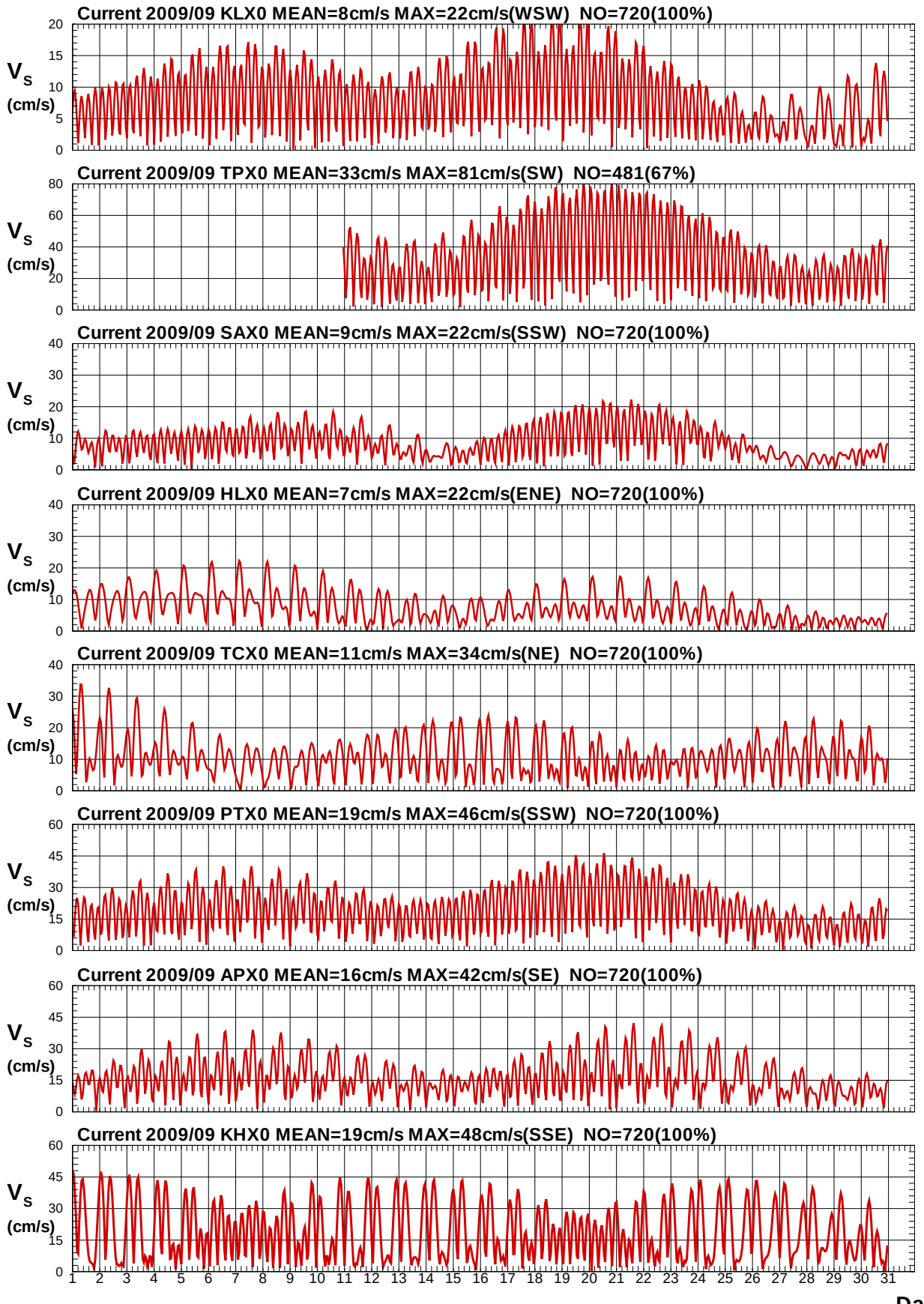


圖 4.9.112　2009年 9月8商港 潮流流速歷線圖

C099KLX0.1HC C099TPX0.1HC C099SAX0.1HC C099HLX0.1HC C099TCX0.1HC C099PTX0.1HC C099APX0.1HC C099KHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/09

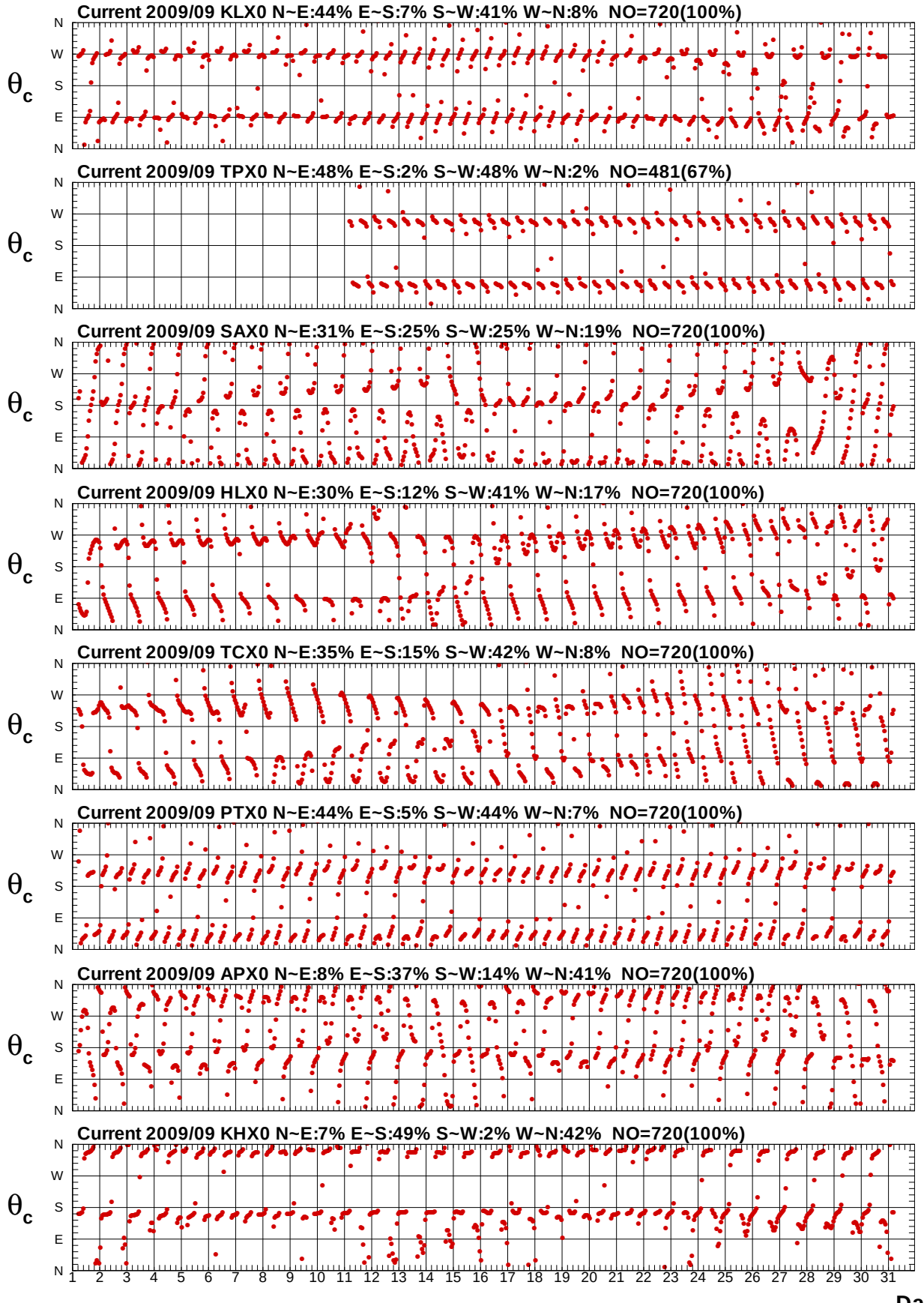


圖 4.9.113　2009年 9 月 8 商港 潮流流向歷線圖

C099KLX0.1HC C099TPX0.1HC C099SAX0.1HC C099HLX0.1HC C099TCX0.1HC C099PTX0.1HC
C099APX0.1HC C099KHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/09

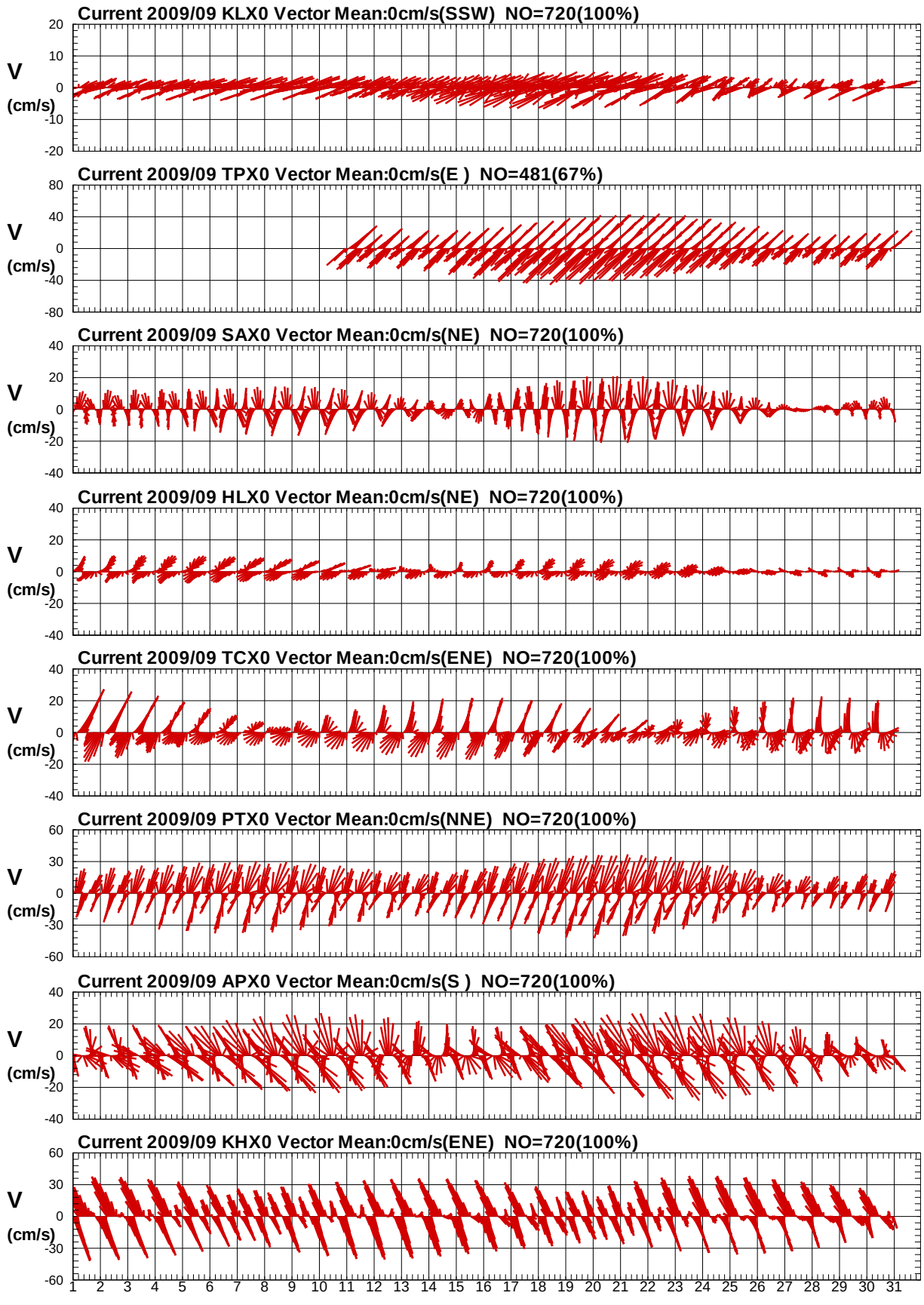


圖 4.9.114　2009年 9 月 8 商港 潮流流矢圖

C099KLX0.1HC C099TPX0.1HC C099SAX0.1HC C099HLX0.1HC C099TCX0.1HC C099PTX0.1HC
C099APX0.1HC C099KHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2009/09

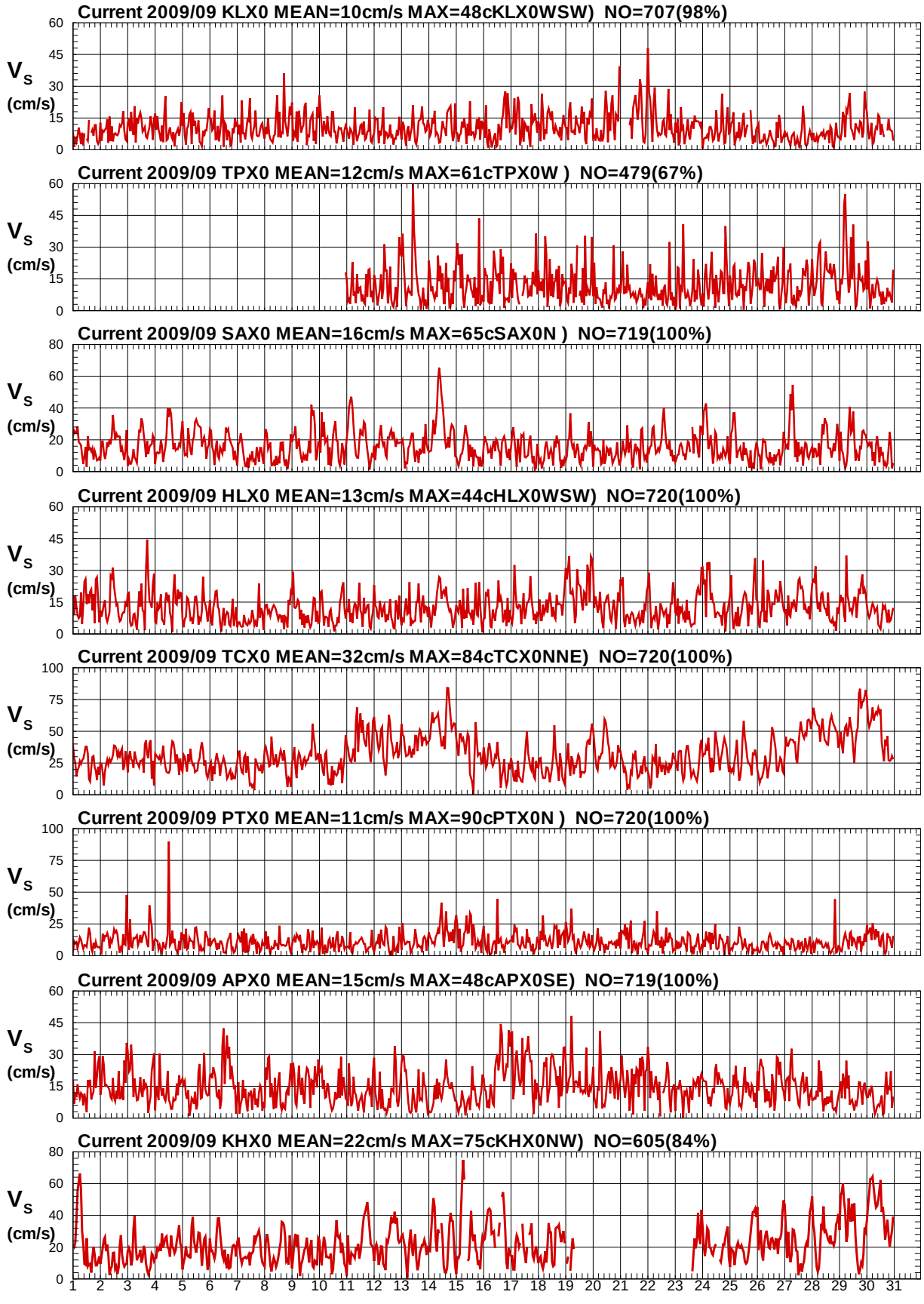


圖 4.9.115　2009年 9 月 8 商港 非潮流速歷線圖

C099KLX0.1HR C099TPX0.1HR C099SAX0.1HR C099HLX0.1HR C099TCX0.1HR C099PTX0.1HR
C099APX0.1HR C099KHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/09

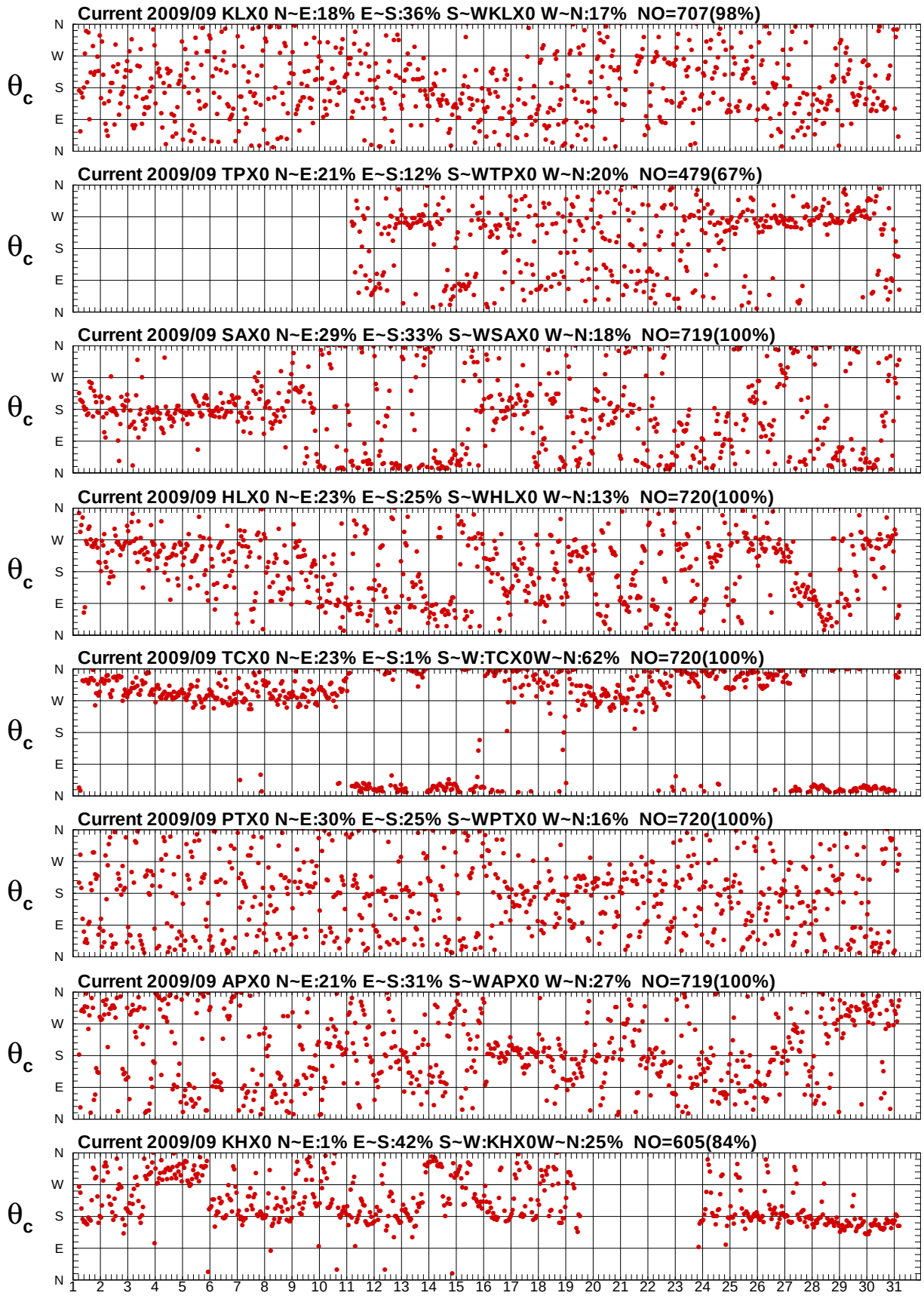


圖 4.9.116　2009年 9 月 8 商港 非潮流向歷線圖

C099KLX0.1HR C099TPX0.1HR C099SAX0.1HR C099HLX0.1HR C099TCX0.1HR C099PTX0.1HR
C099APX0.1HR C099KHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/09

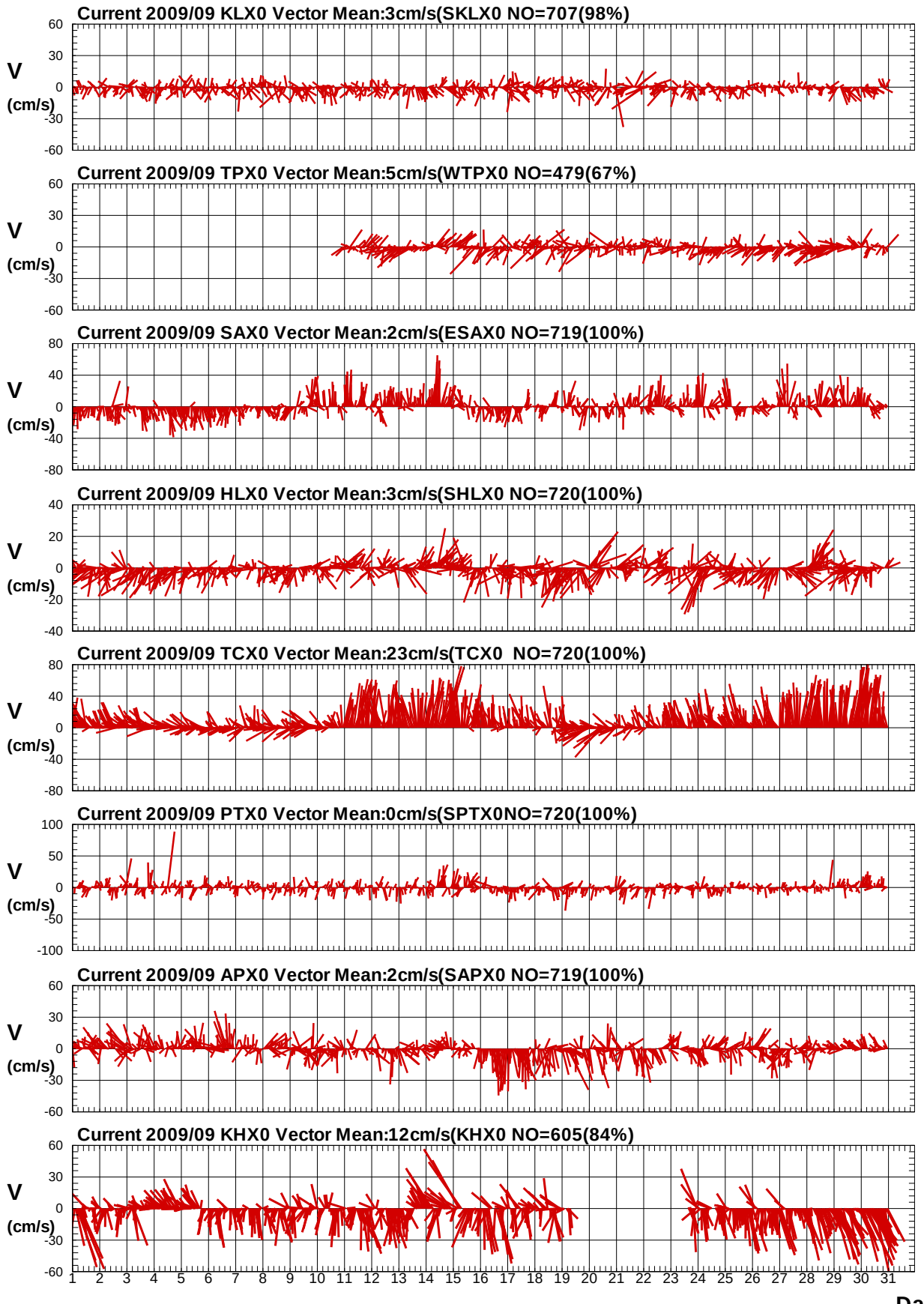


圖4.9.117　2009年 9月8商港 非潮流矢圖

C099KLX0.1HR C099TPX0.1HR C099SAX0.1HR C099HLX0.1HR C099TCX0.1HR C099PTX0.1HR
C099APX0.1HR C099KHX0.1HR

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Eight Harbors Current Speed at 2009/09

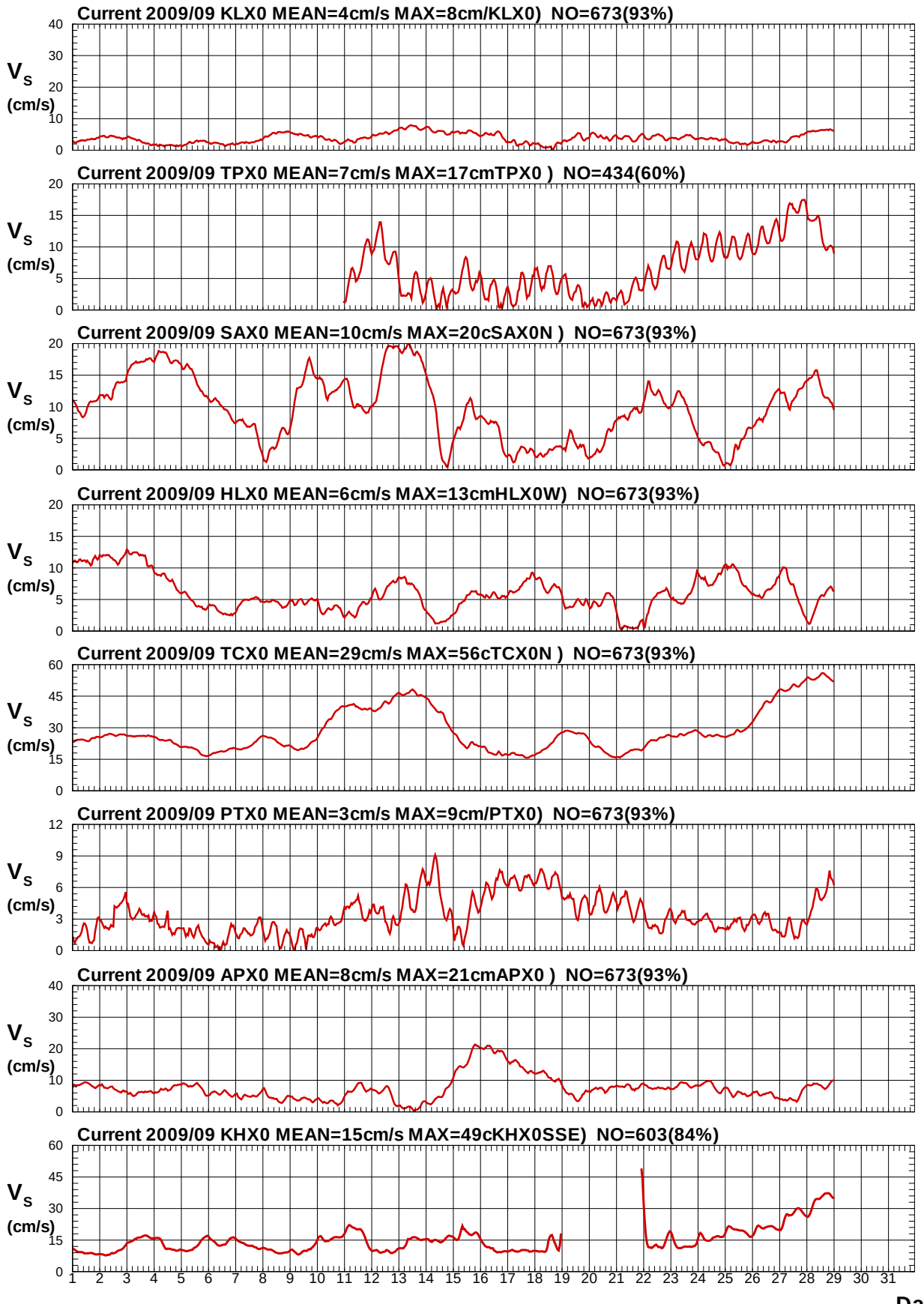


圖 4.9.118　2009年 9月8商港 48時平均流速歷線圖

C099KLX0.48H C099TPX0.48H C099SAX0.48H C099HLX0.48H C099TCX0.48H C099PTX0.48H
C099APX0.48H C099KHX0.48H

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Eight Harbors Current Direction at 2009/09

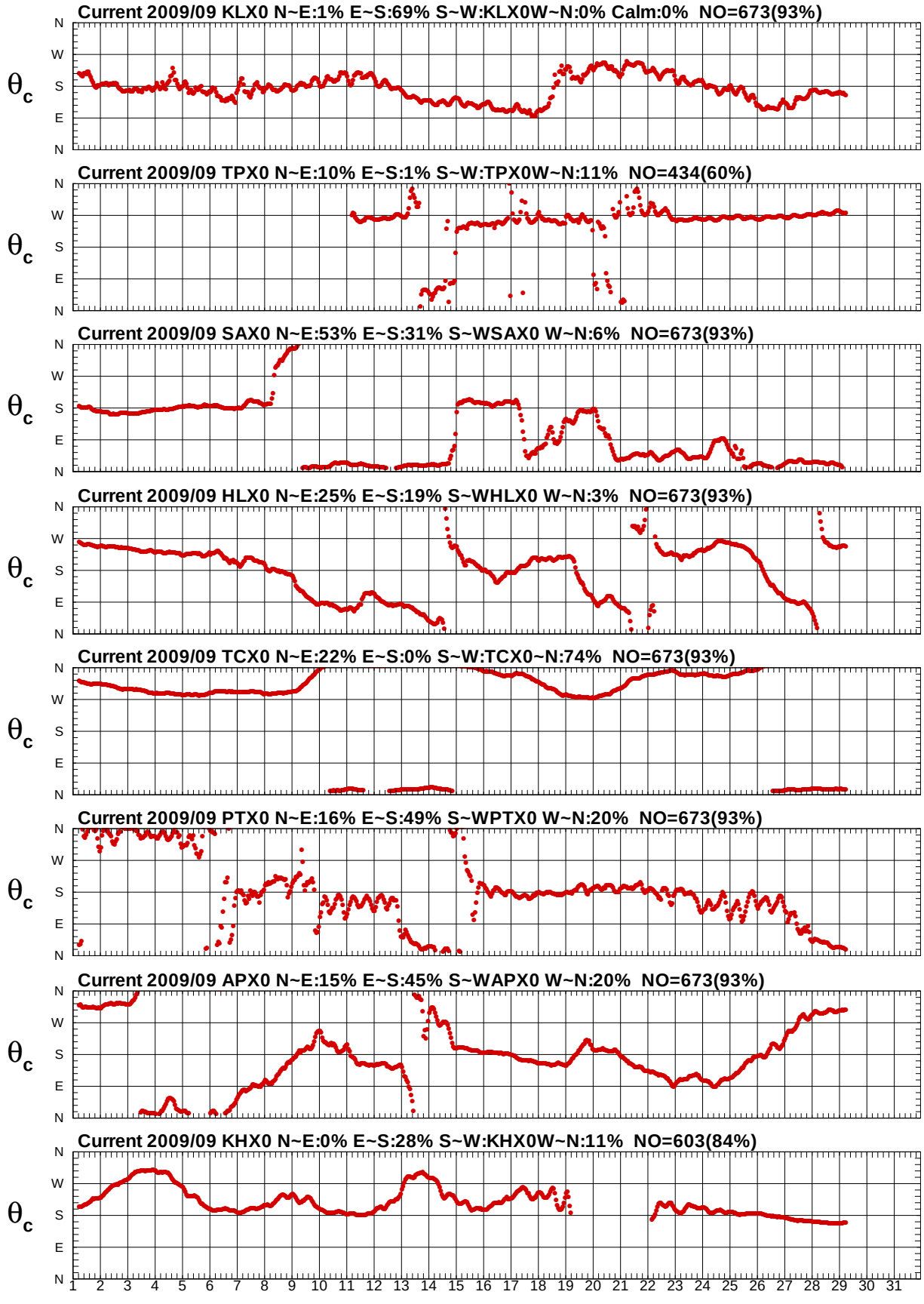


圖 4.9.119　2009年 9月8商港 48時平均流向歷線圖

C099KLX0.48H C099TPX0.48H C099SAX0.48H C099HLX0.48H C099TCX0.48H C099PTX0.48H
C099APX0.48H C099KHX0.48H

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/09

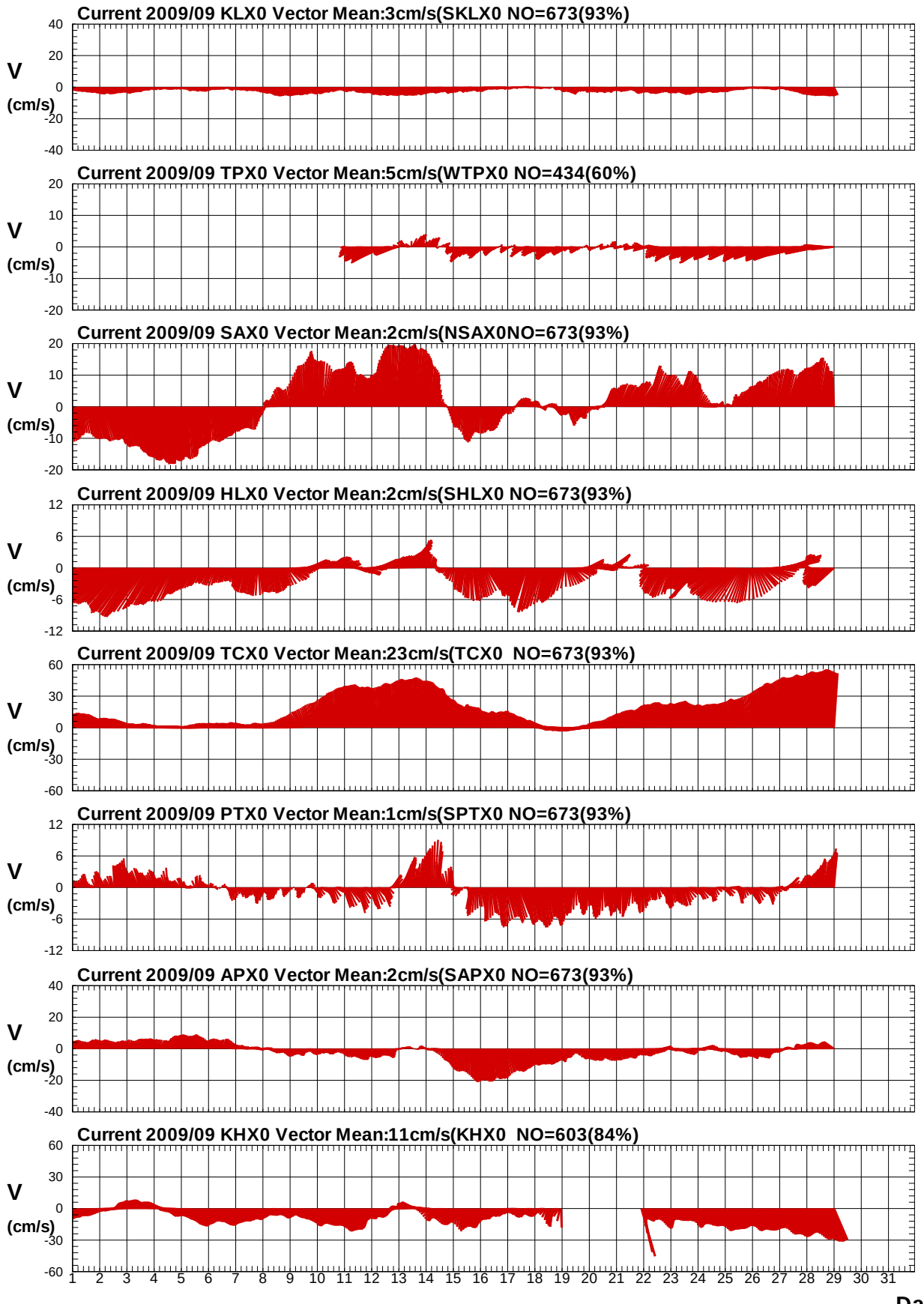


圖 4.9.120　2009年 9月8商港 48時平均流矢圖

C099KLX0.48H C099TPX0.48H C099SAX0.48H C099HLX0.48H C099TCX0.48H C099PTX0.48H
C099APX0.48H C099KHX0.48H

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2009/10

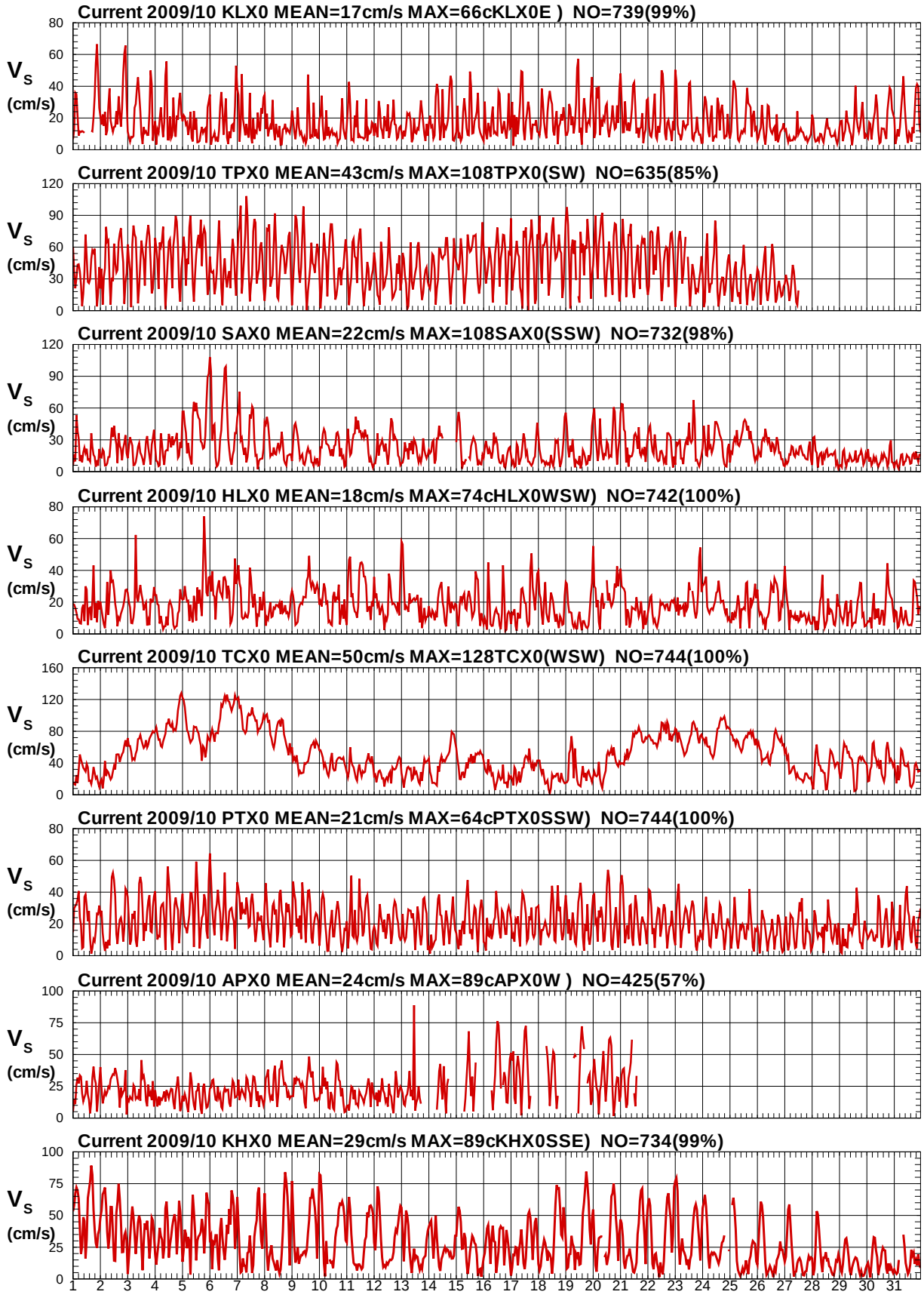


圖 4.9.121　2009年10月8商港 觀測流速歷線圖

C09AKLX0.1HA C09ATPX0.1HA C09ASAX0.1HA C09AHLX0.1HA C09ATCX0.1HA C09APTX0.1HA C09AAPX0.1HA C09AKHX0.1HA

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/10

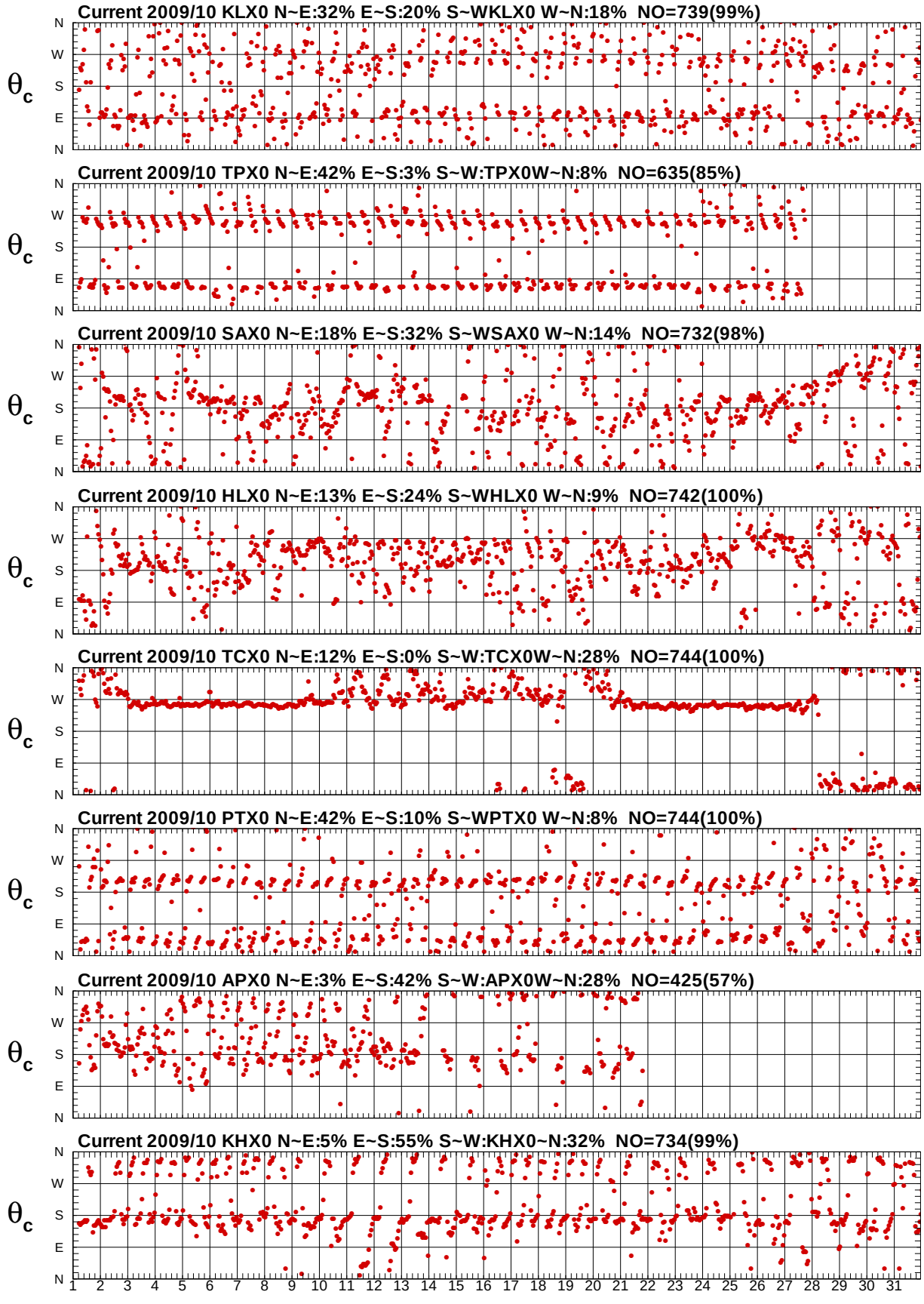


圖 4.9.122　2009年10月8商港 觀測流向歷線圖

C09AKLX0.1HA C09ATPX0.1HA C09ASAX0.1HA C09AHLX0.1HA C09ATCX0.1HA C09APTX0.1HA C09AAPX0.1HA C09AKHX0.1HA

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/10

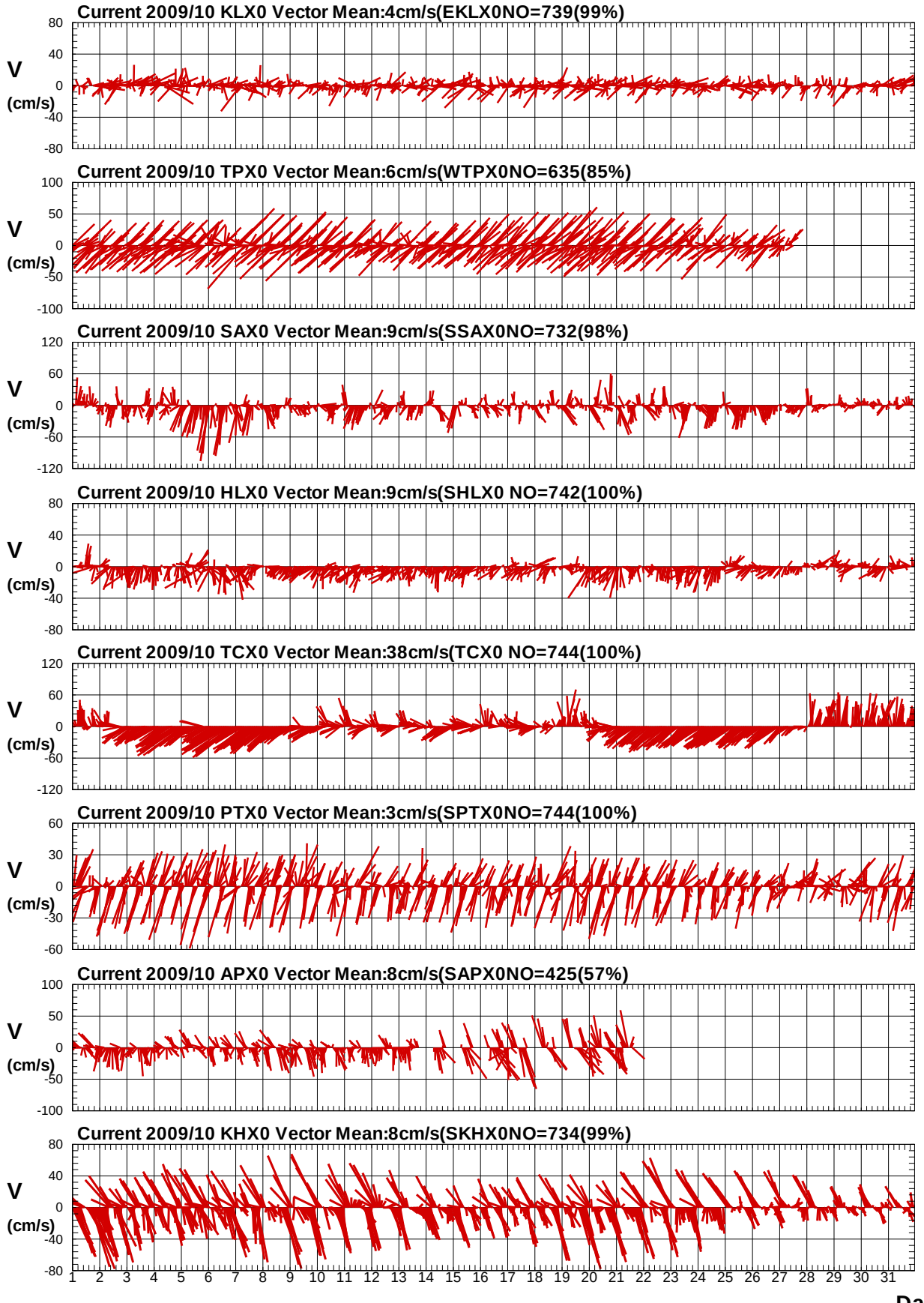


圖 4.9.123　2009年10月8商港 觀測流矢圖

C09AKLX0.1HA C09ATPX0.1HA C09ASAX0.1HA C09AHLX0.1HA C09ATCX0.1HA C09APTX0.1HA
C09AAPX0.1HA C09AKHX0.1HA

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Eight Harbors Current Speed at 2009/10

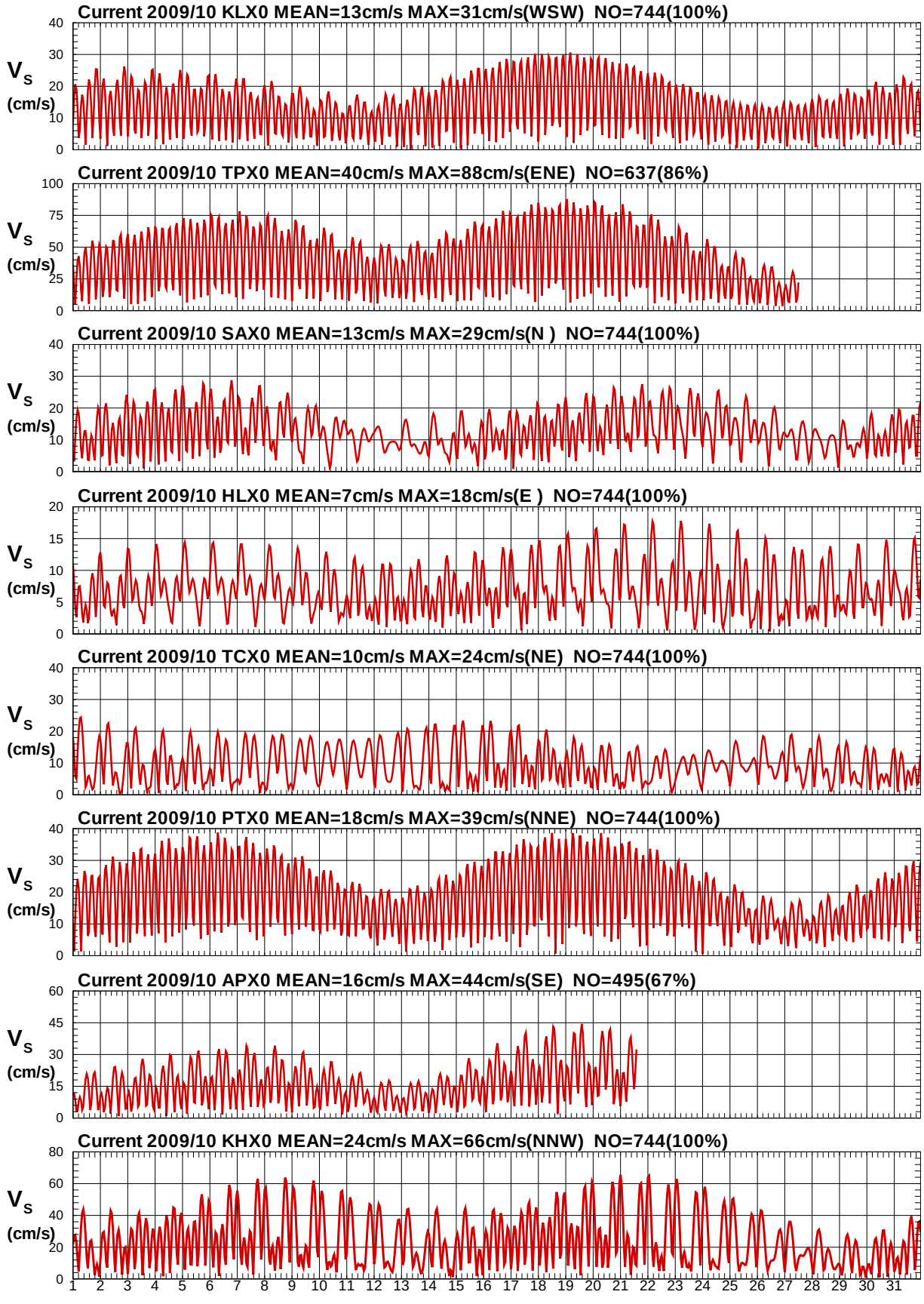


圖 4.9.124　2009年10月8商港 潮流流速歷線圖

C09AKLX0.1HC C09ATPX0.1HC C09ASAX0.1HC C09AHLX0.1HC C09ATCX0.1HC C09APTX0.1HC C09AAPX0.1HC C09AKHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/10

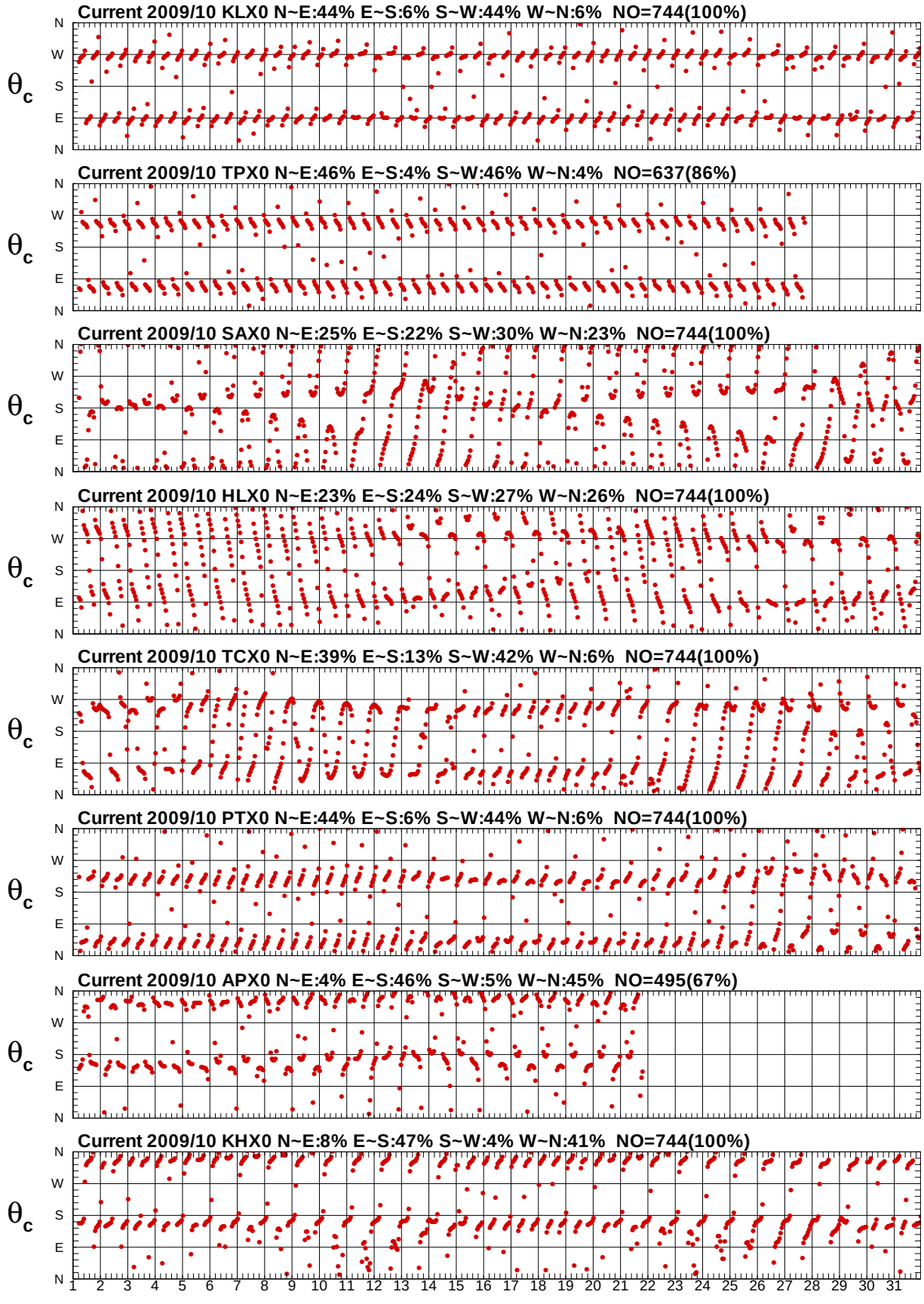


圖 4.9.125　2009年10月8商港 潮流流向歷線圖

C09AKLX0.1HC C09ATPX0.1HC C09ASAX0.1HC C09AHLX0.1HC C09ATCX0.1HC C09APTX0.1HC C09AAPX0.1HC C09AKHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/10

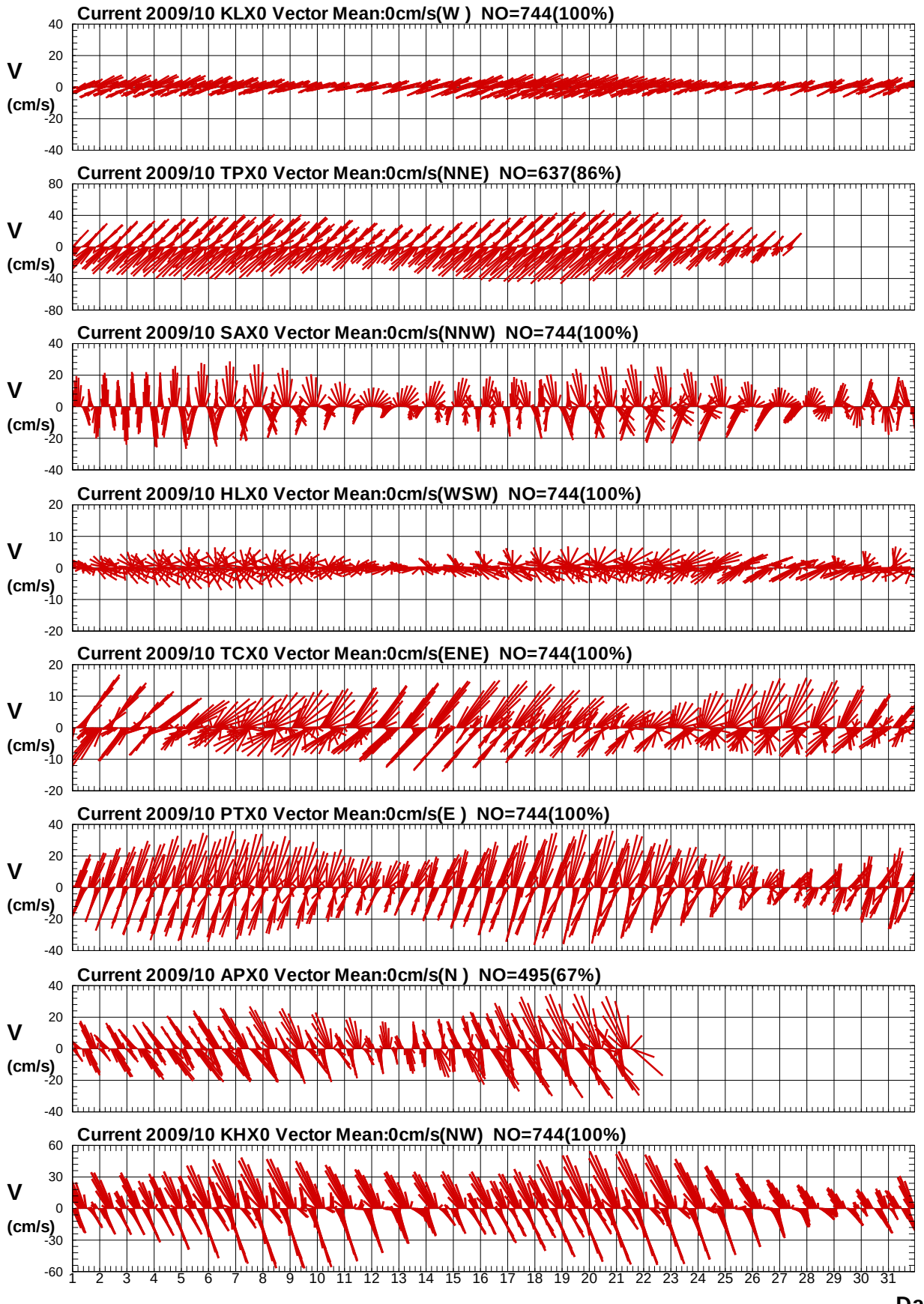


圖 4.9.126　2009年10月8商港 潮流流矢圖

C09AKLX0.1HC C09ATPX0.1HC C09ASAX0.1HC C09AHLX0.1HC C09ATCX0.1HC C09APTX0.1HC
C09AAPX0.1HC C09AKHX0.1HC

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2009/10

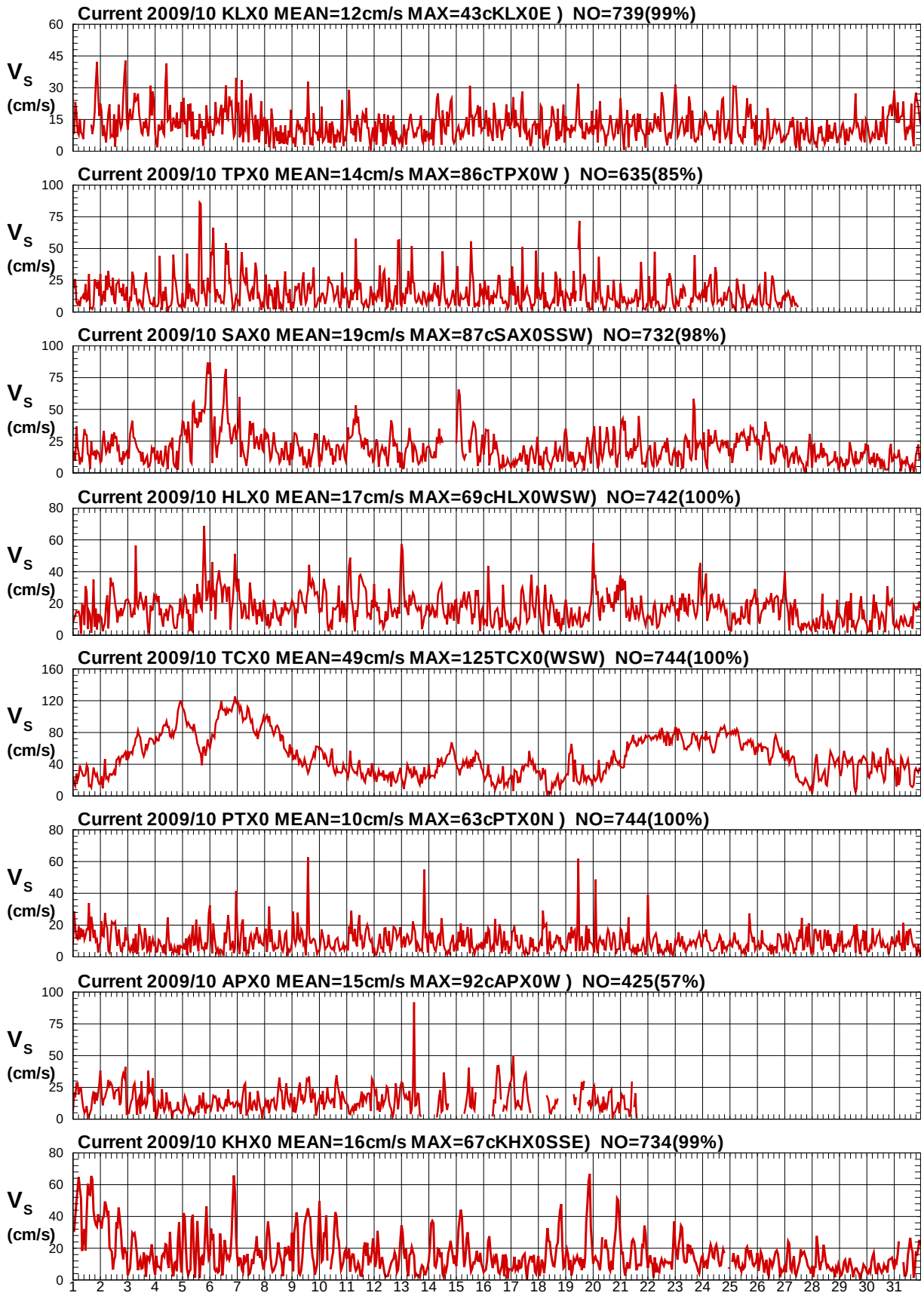


圖 4.9.127　2009年10月8商港 非潮流速歷線圖

C09AKLX0.1HR C09ATPX0.1HR C09ASAX0.1HR C09AHLX0.1HR C09ATCX0.1HR C09APTX0.1HR C09AAPX0.1HR C09AKHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/10

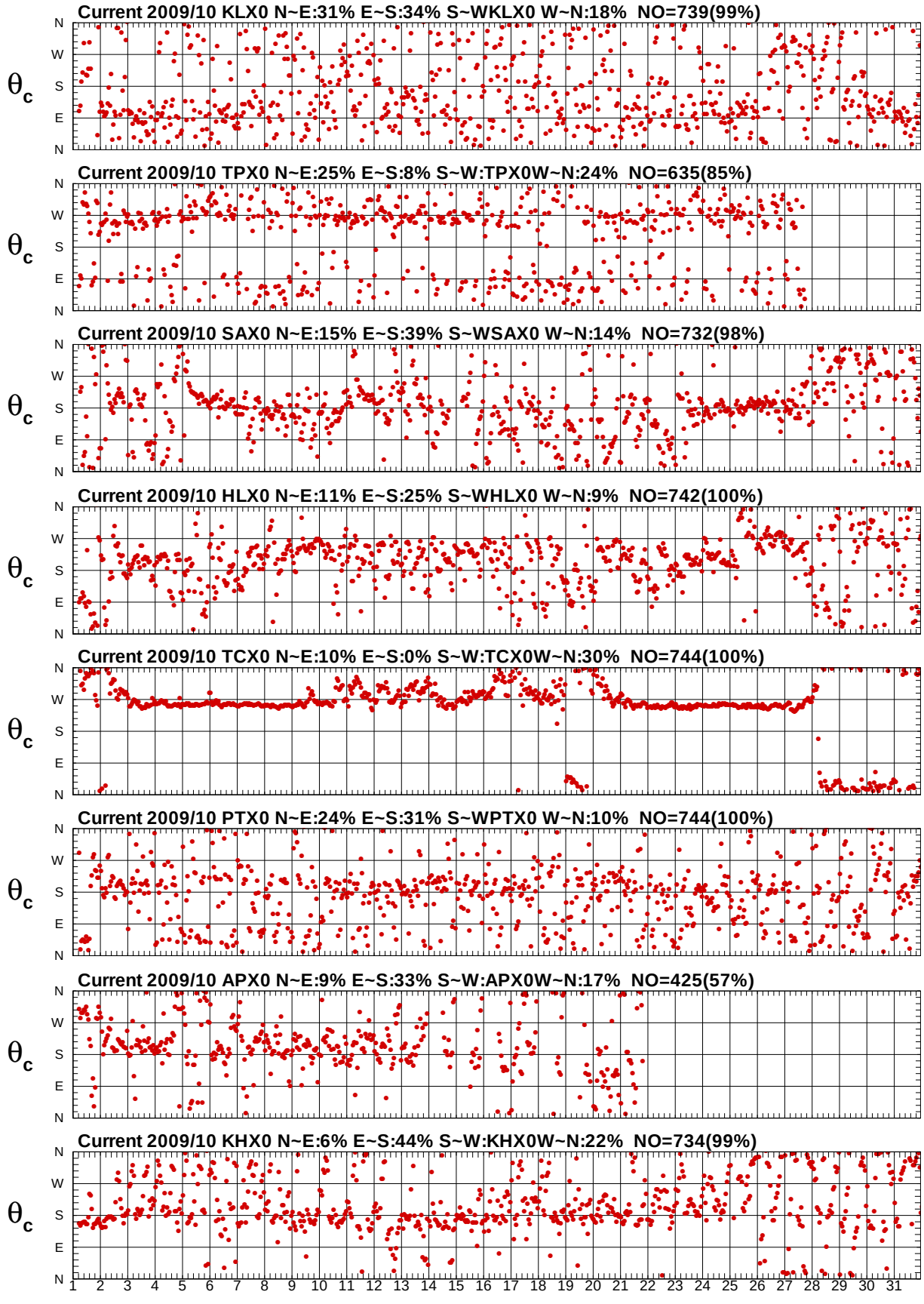


圖 4.9.128　2009年10月8商港 非潮流向歷線圖

C09AKLX0.1HR C09ATPX0.1HR C09ASAX0.1HR C09AHLX0.1HR C09ATCX0.1HR C09APTX0.1HR
C09AAPX0.1HR C09AKHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/10

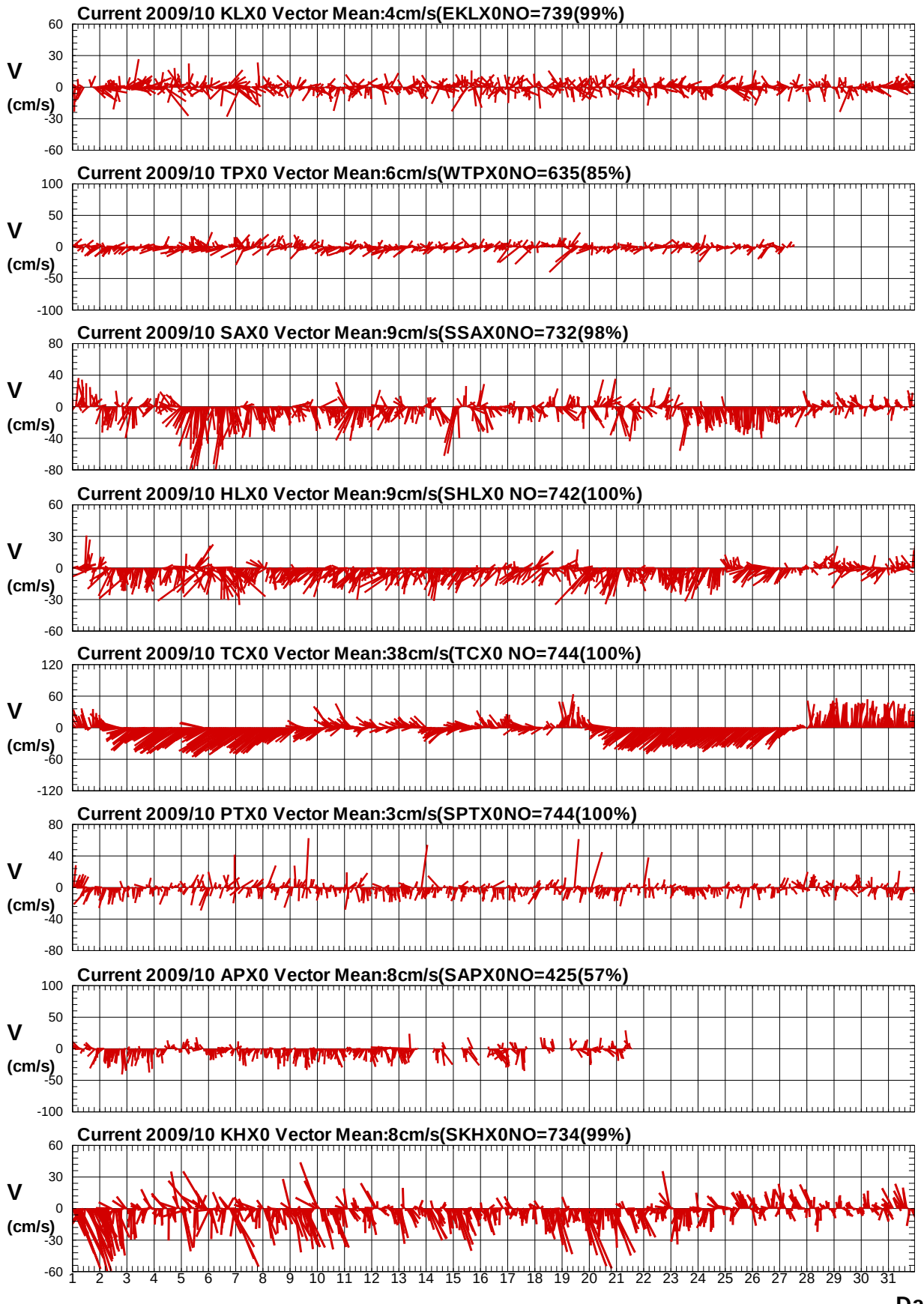


圖 4.9.129　2009年10月8商港 非潮流矢圖

C09AKLX0.1HR C09ATPX0.1HR C09ASAX0.1HR C09AHLX0.1HR C09ATCX0.1HR C09APTX0.1HR C09AAPX0.1HR C09AKHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2009/10

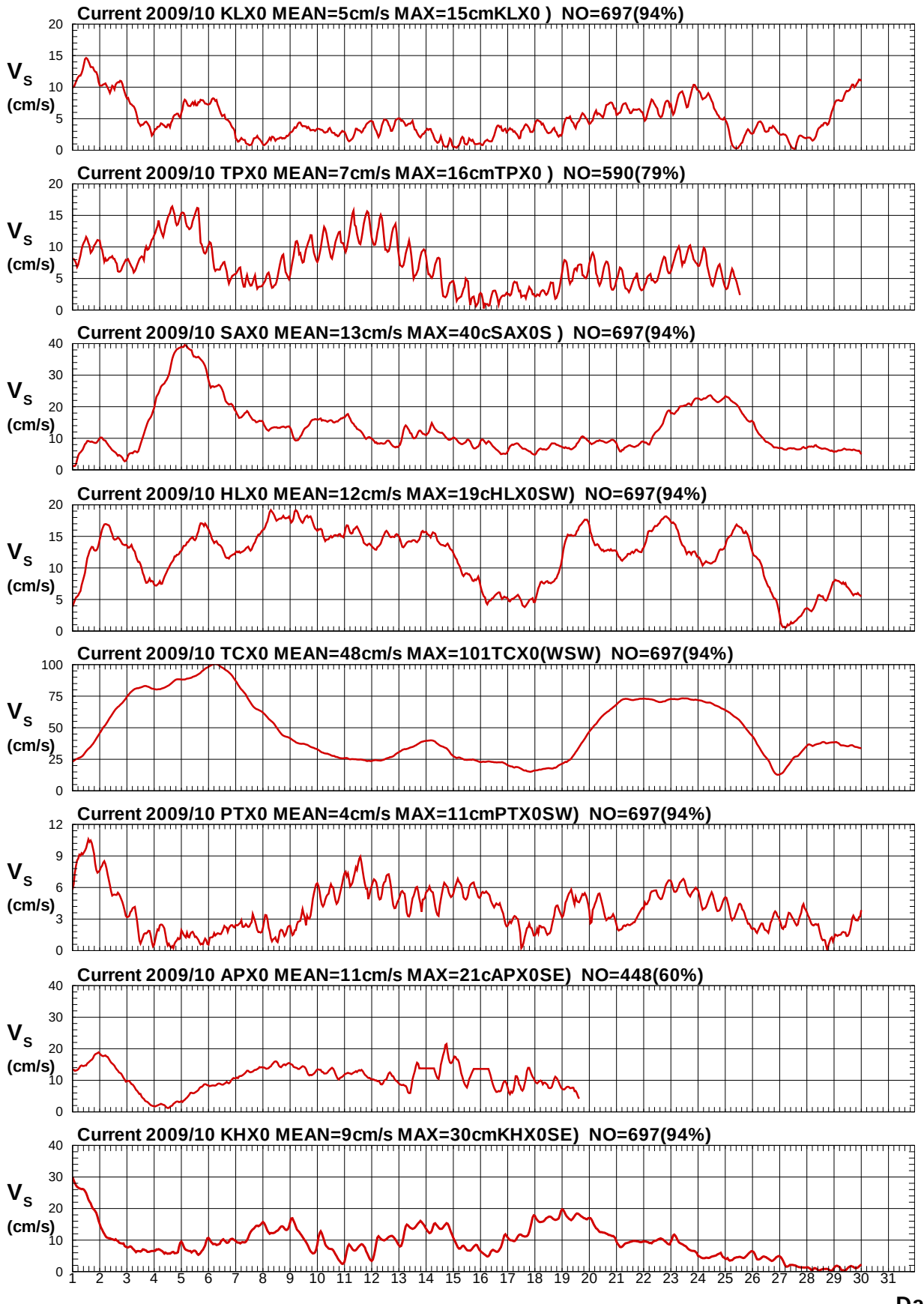


圖 4.9.130　2009年10月8商港 48時平均流速歷線圖

C09AKLX0.48H C09ATPX0.48H C09ASAX0.48H C09AHLX0.48H C09ATCX0.48H C09APTX0.48H
C09AAPX0.48H C09AKHX0.48H

Institute of Harbor & Marine Technology

Eight Harbors Current Direction at 2009/10

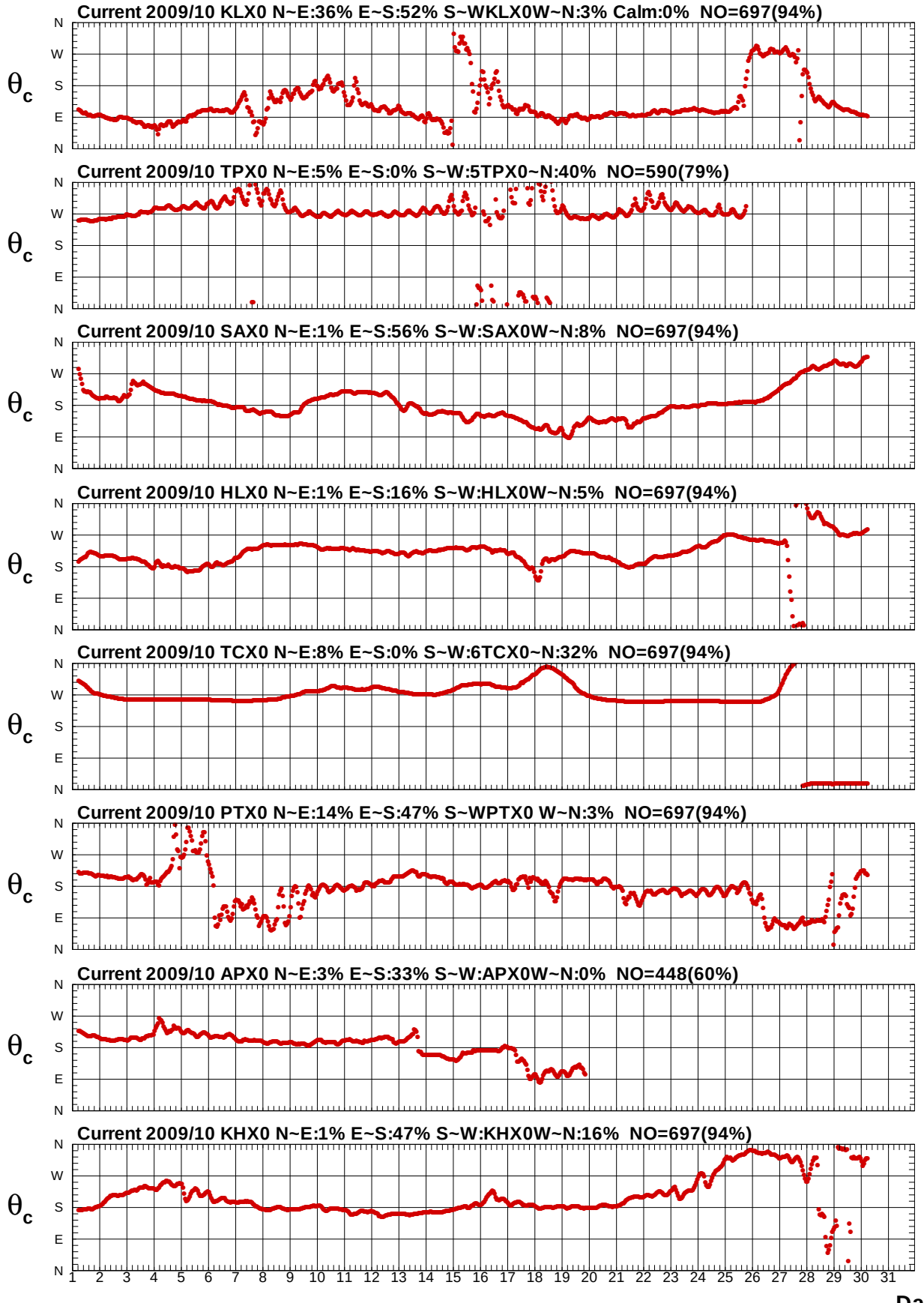


圖 4.9.131　2009年10月8商港 48時平均流向歷線圖

C09AKLX0.48H C09ATPX0.48H C09ASAX0.48H C09AHLX0.48H C09ATCX0.48H C09APTX0.48H
C09AAPX0.48H C09AKHX0.48H

Institute of Harbor & Marine Technology

Eight Harbors Current Vector at 2009/10

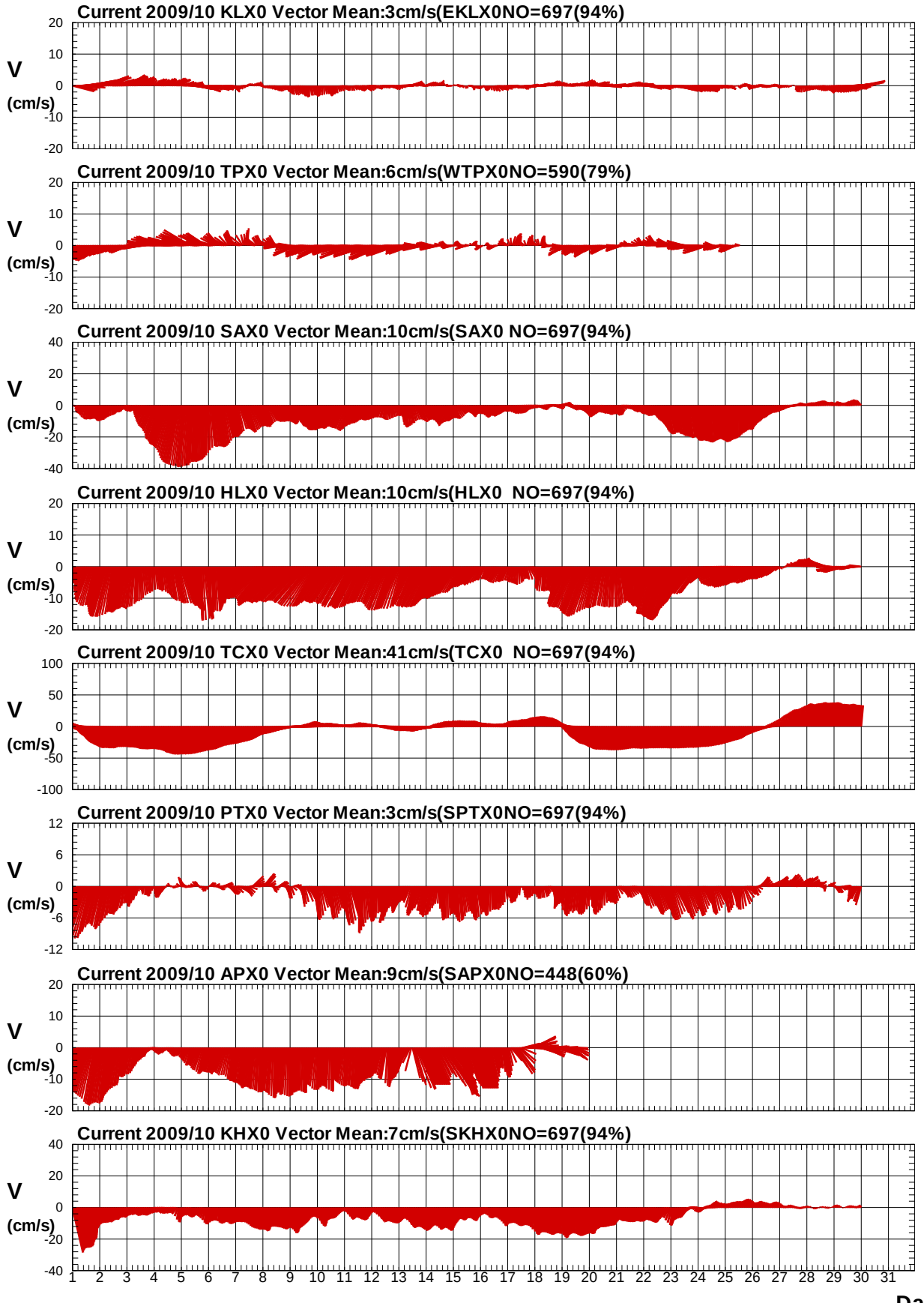


圖 4.9.132　2009年10月8商港 48時平均流矢圖

C09AKLX0.48H C09ATPX0.48H C09ASAX0.48H C09AHLX0.48H C09ATCX0.48H C09APTX0.48H
C09AAPX0.48H C09AKHX0.48H

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2009/11

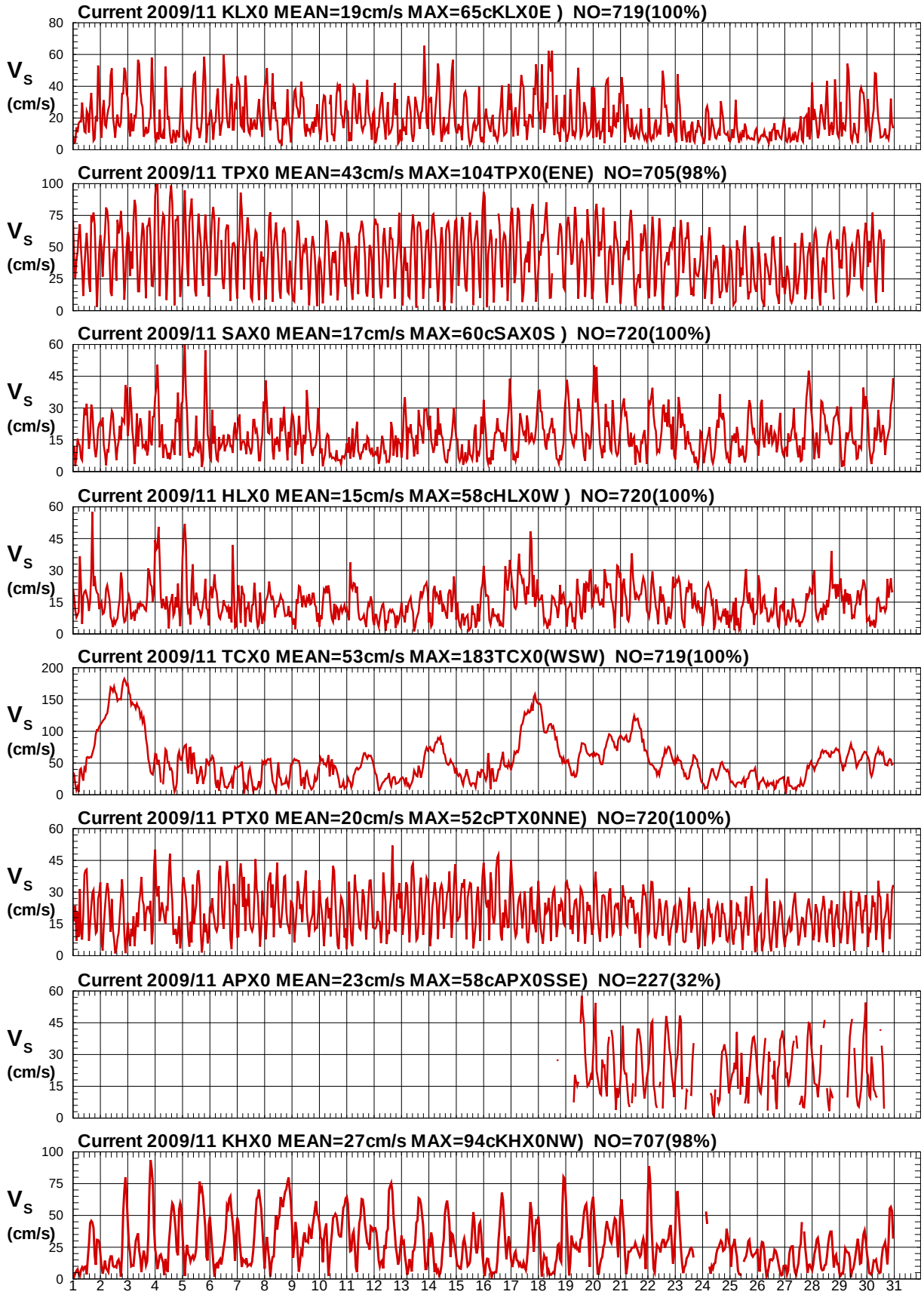


圖 4.9.133　2009年11月8商港 觀測流速歷線圖

C09BKLX0.1HA C09BTPX0.1HA C09BSAX0.1HA C09BHLX0.1HA C09BTCX0.1HA C09BPTX0.1HA C09BAPX0.1HA C09BKHX0.1HA

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Eight Harbors Current Direction at 2009/11

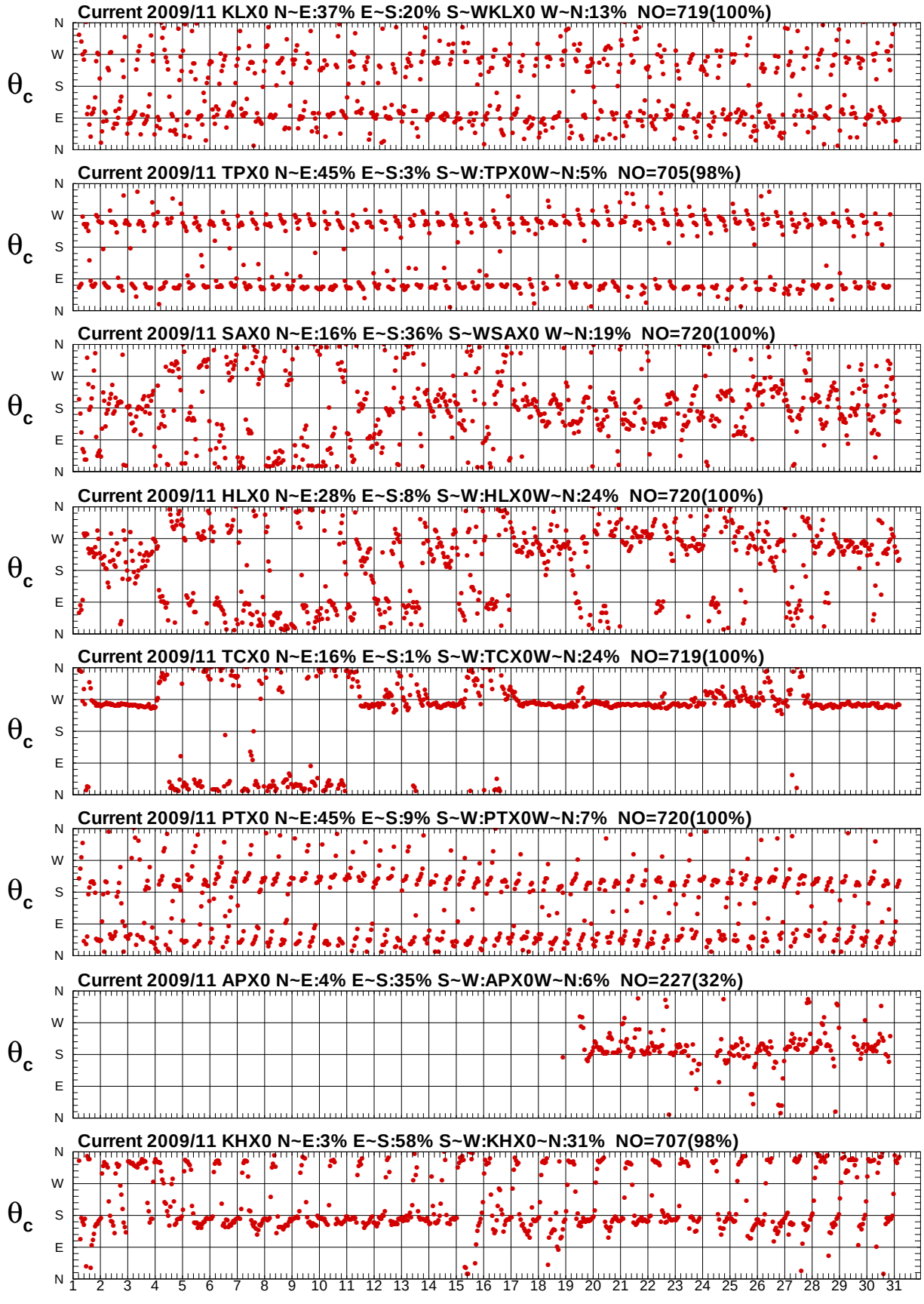


圖 4.9.134　2009年11月8商港 觀測流向歷線圖

C09BKLX0.1HA C09BTPX0.1HA C09BSAX0.1HA C09BHLX0.1HA C09BTCX0.1HA C09BPTX0.1HA
C09BAPX0.1HA C09BKHX0.1HA

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Eight Harbors Current Vector at 2009/11

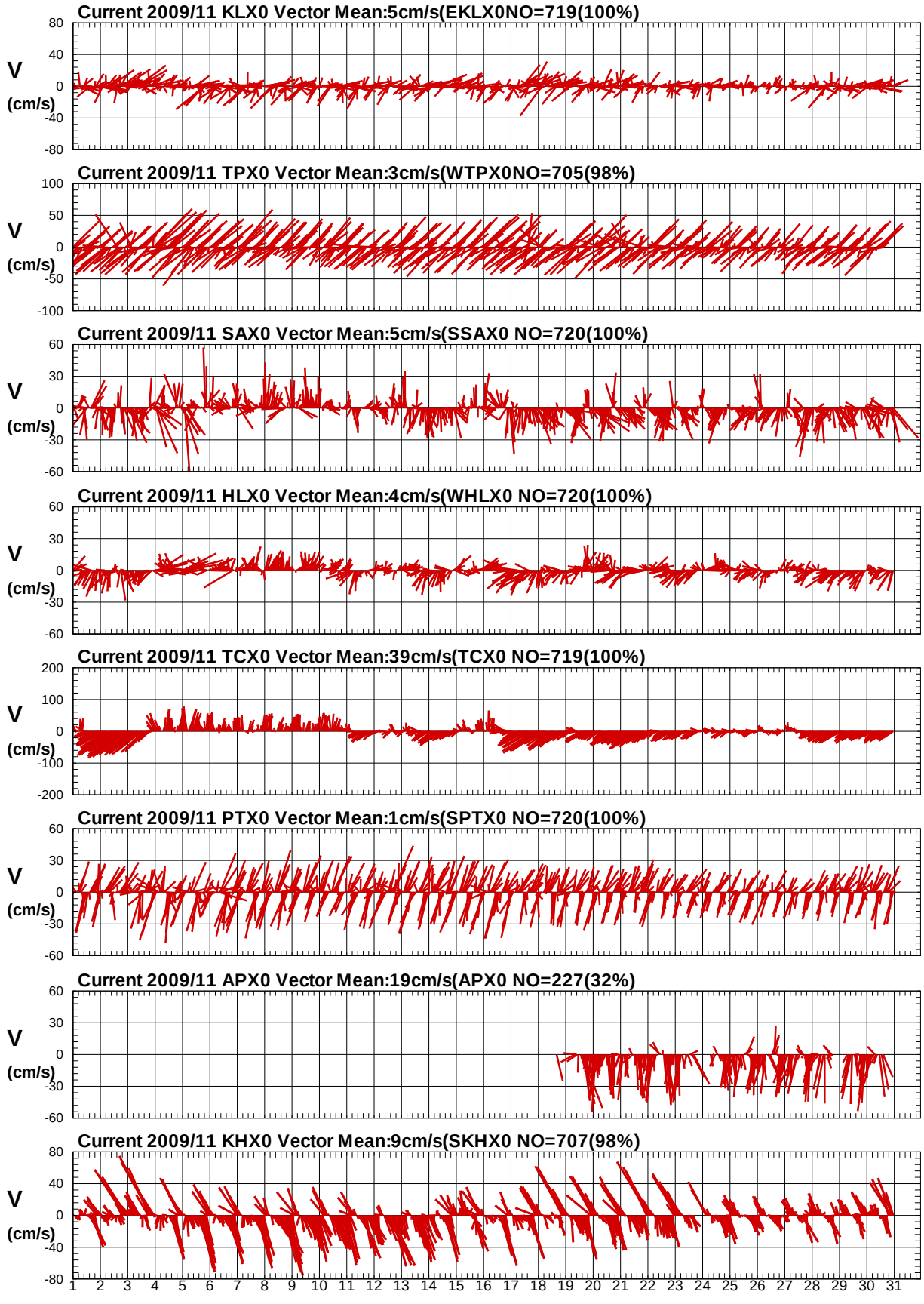


圖 4.9.135　2009年11月8商港 觀測流矢圖

C09BKLX0.1HA C09BTPX0.1HA C09BSAX0.1HA C09BHLX0.1HA C09BTCX0.1HA C09BPTX0.1HA
C09BAPX0.1HA C09BKHX0.1HA

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Eight Harbors Current Speed at 2009/11

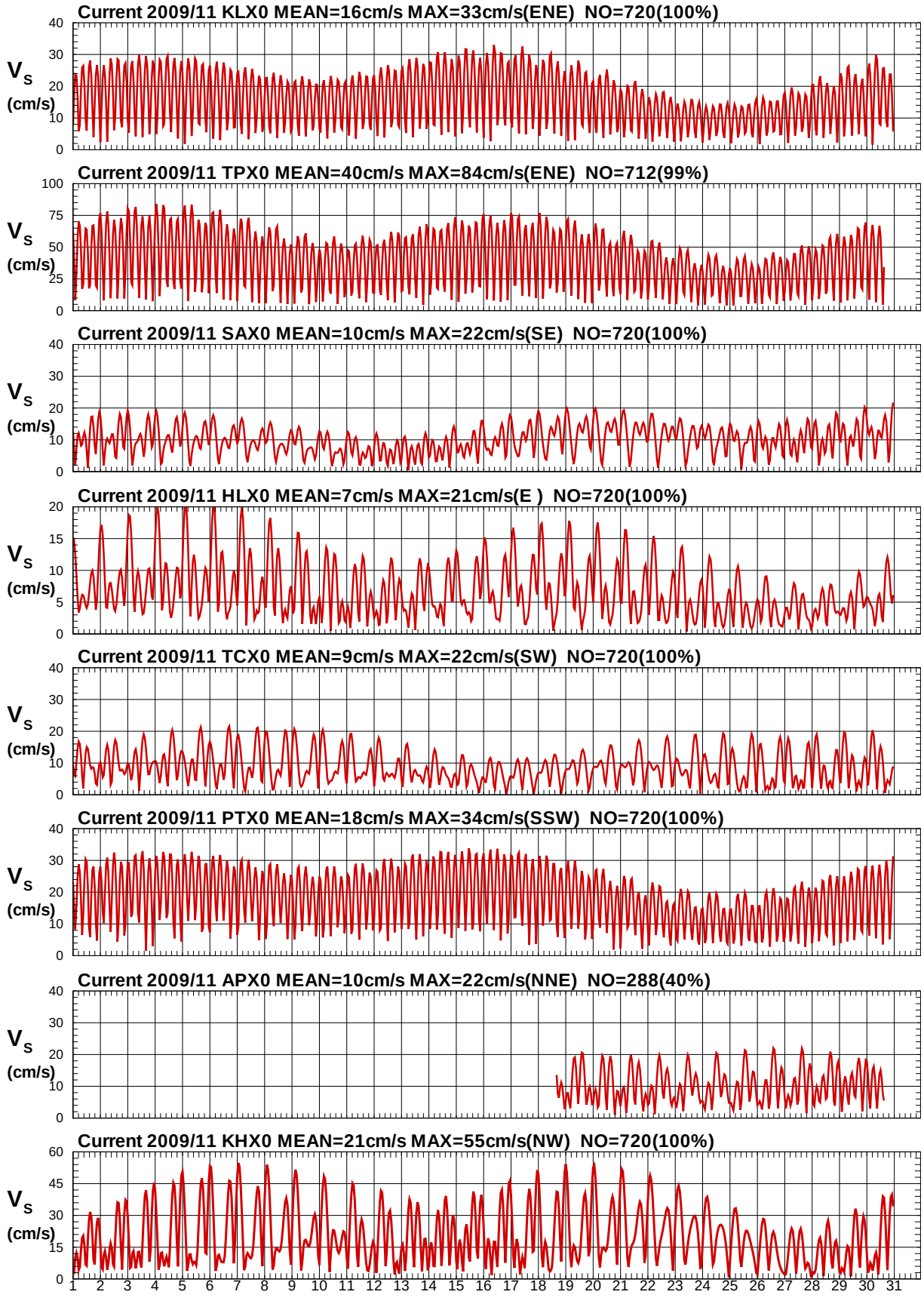


圖 4.9.136　2009年11月8商港 潮流流速歷線圖

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C09BAPX0.1HC C09BKHX0.1HC

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Eight Harbors Current Direction at 2009/11

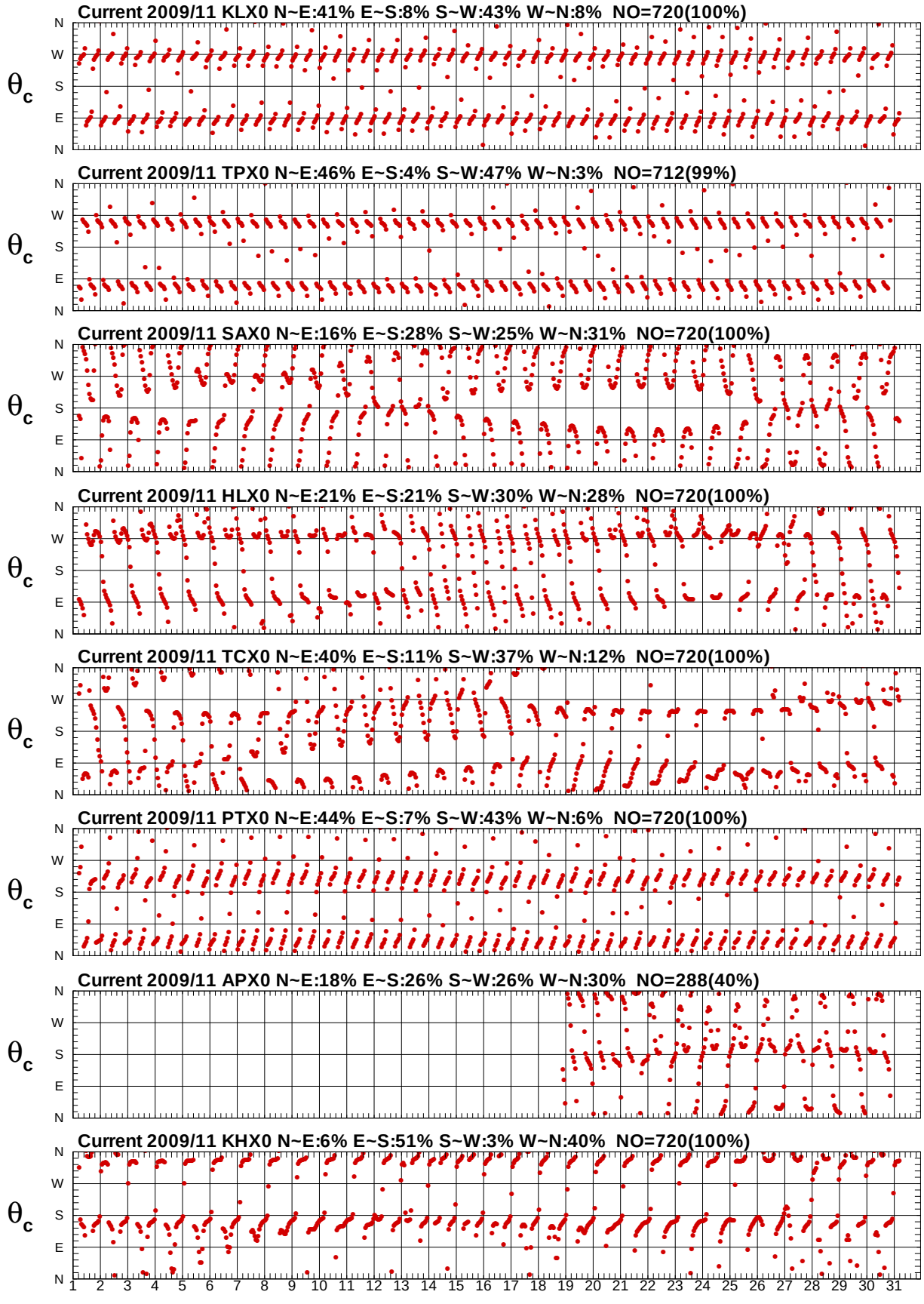


圖 4.9.137　2009年11月8商港 潮流流向歷線圖

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C09BAPX0.1HC C09BKHX0.1HC

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Eight Harbors Current Vector at 2009/11

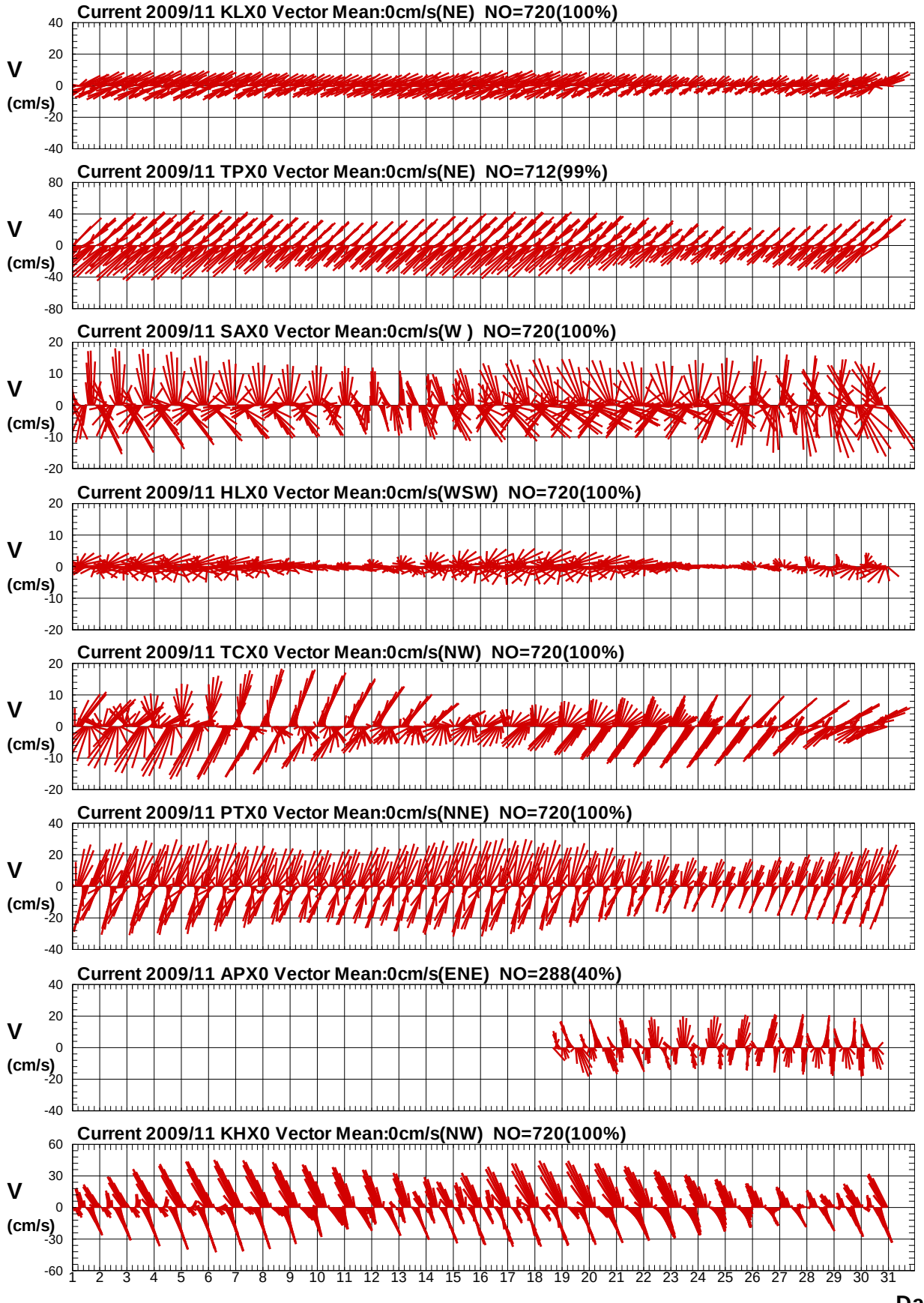


圖 4.9.138　2009年11月8商港 潮流流矢圖

C09BKLX0.1HC C09BTPX0.1HC C09BSAX0.1HC C09BHLX0.1HC C09BTCX0.1HC C09BPTX0.1HC
C09BAPX0.1HC C09BKHX0.1HC

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Eight Harbors Current Speed at 2009/11

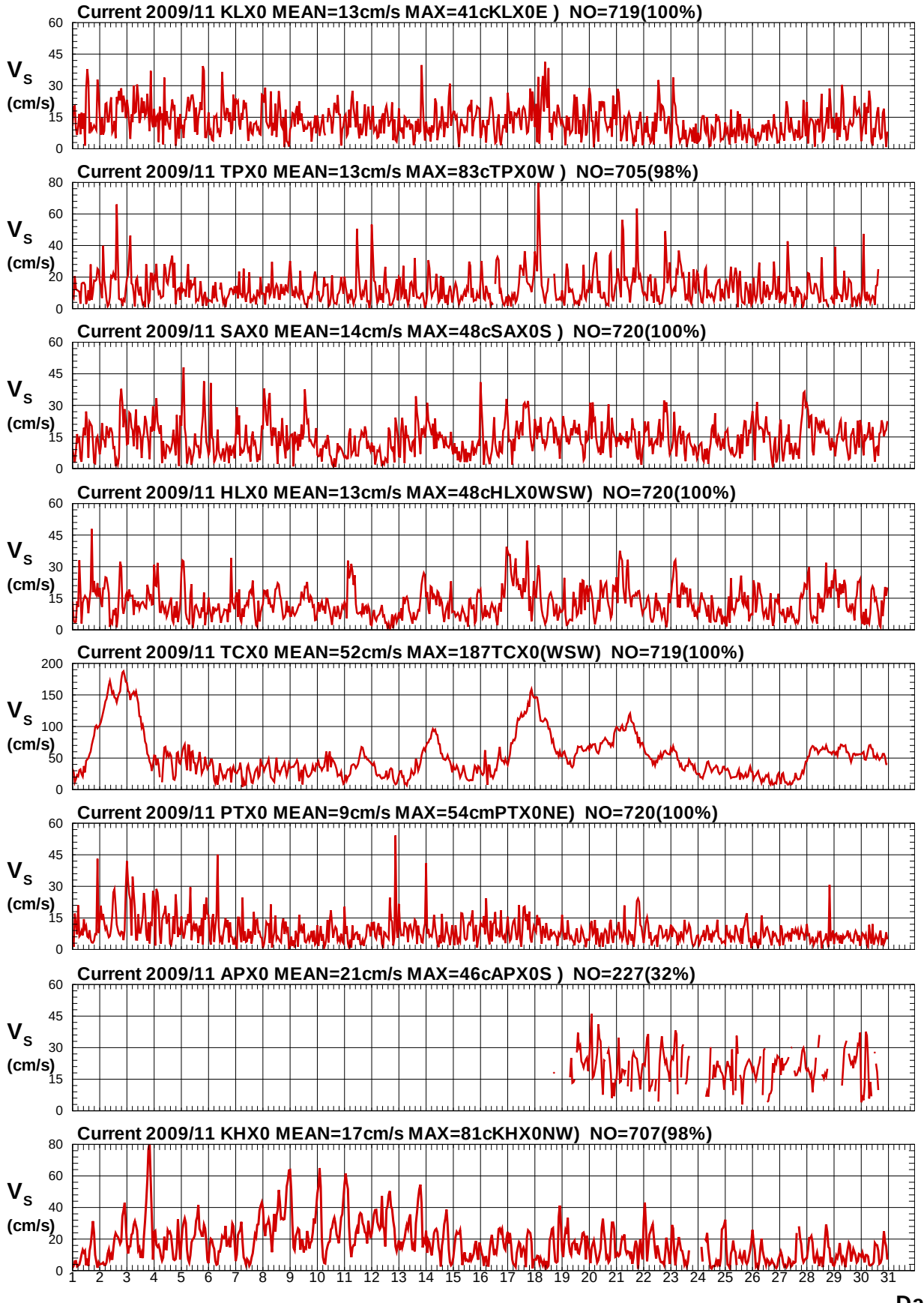


圖 4.9.139　2009年11月8商港 非潮流速歷線圖

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C09BAPX0.1HR C09BKHX0.1HR

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Eight Harbors Current Direction at 2009/11

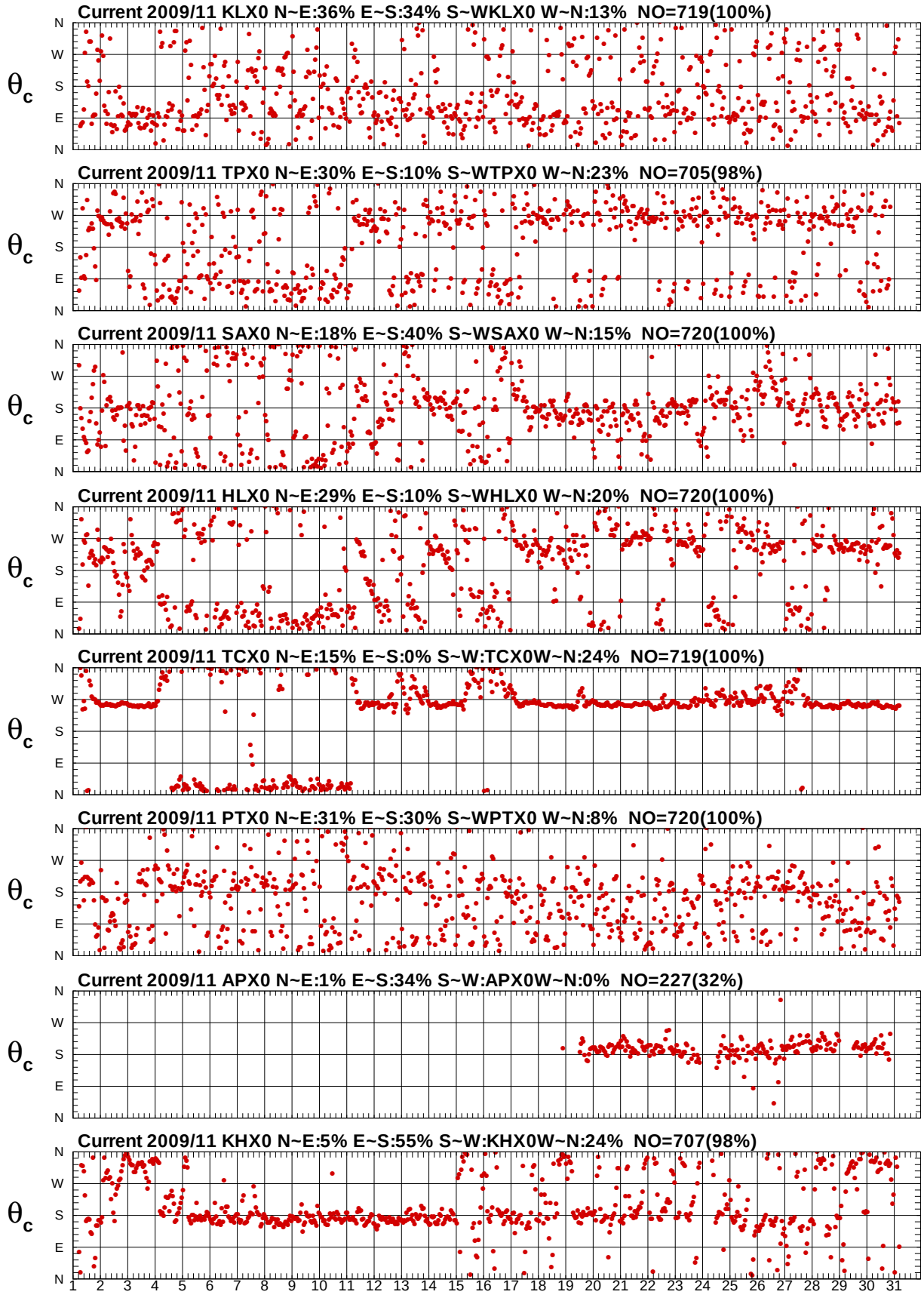


圖 4.9.140　2009年11月8商港 非潮流向歷線圖

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C09BAPX0.1HR C09BKHX0.1HR

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Eight Harbors Current Vector at 2009/11

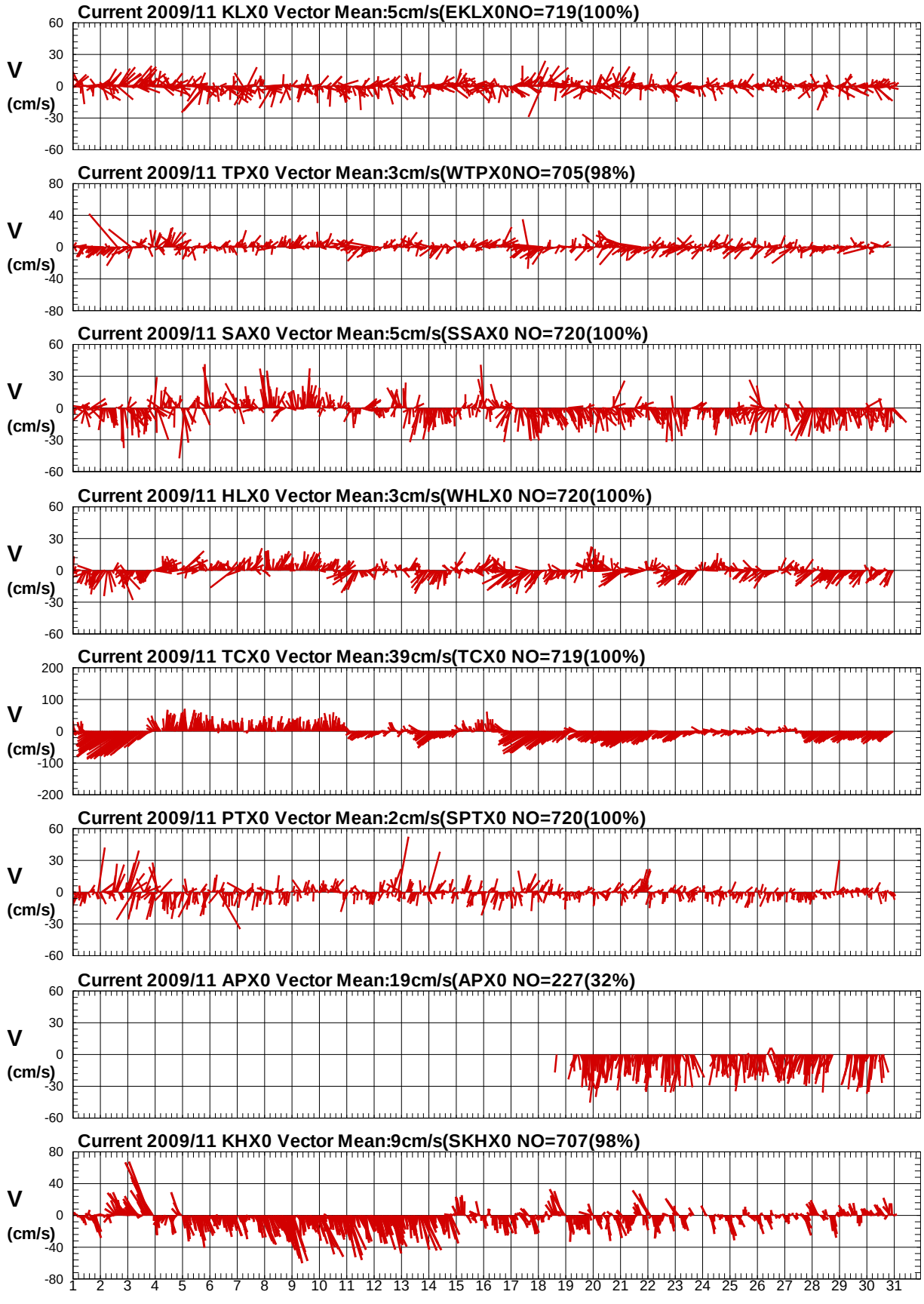


圖 4.9.141　2009年11月8商港 非潮流矢圖

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C09BAPX0.1HR C09BKHX0.1HR

Institute of Harbor & Marine Technology

Eight Harbors Current Speed at 2009/11

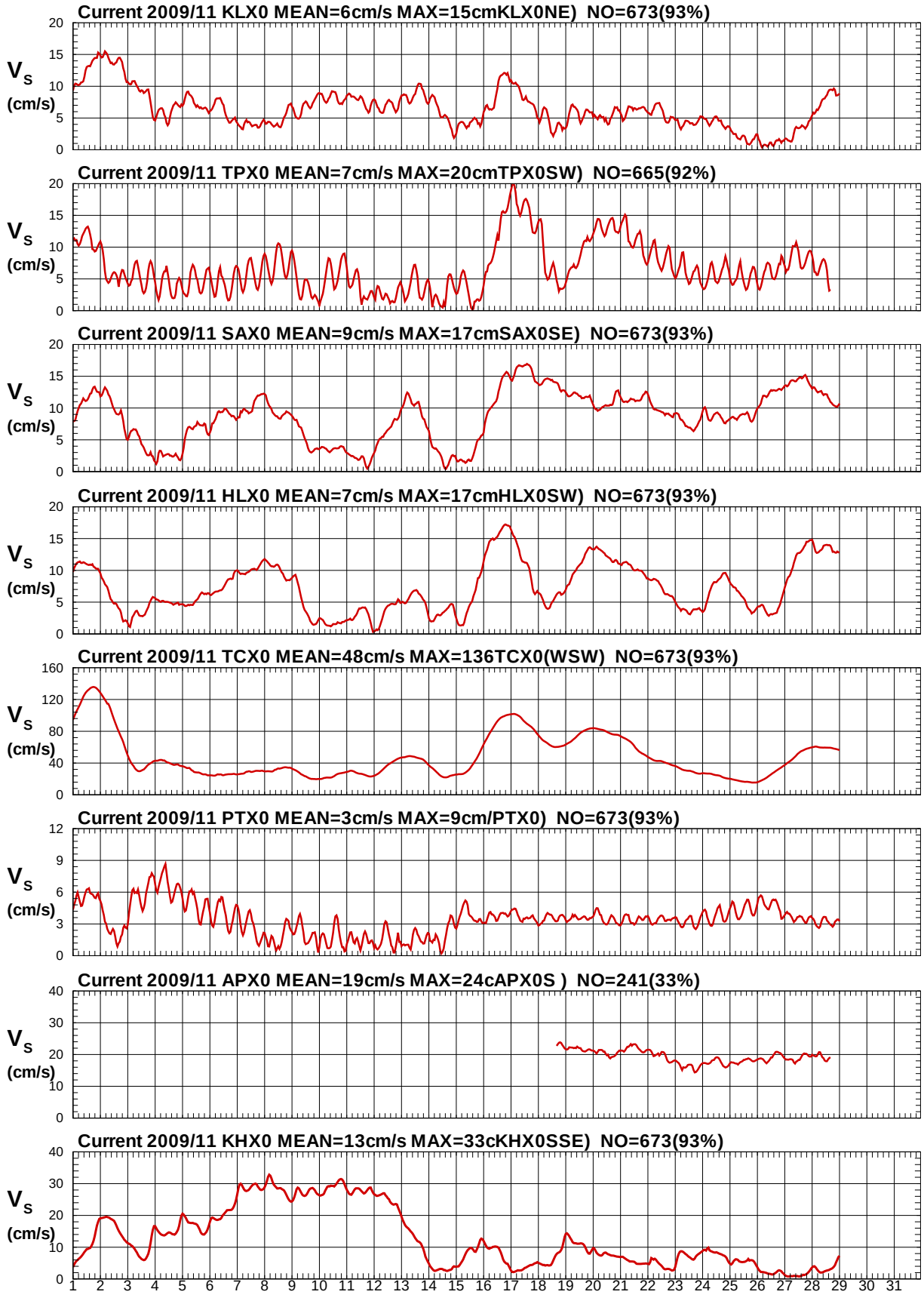


圖 4.9.142　2009年11月8商港 48時平均流速歷線圖

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C09BAPX0.48H C09BKHX0.48H

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Eight Harbors Current Direction at 2009/11

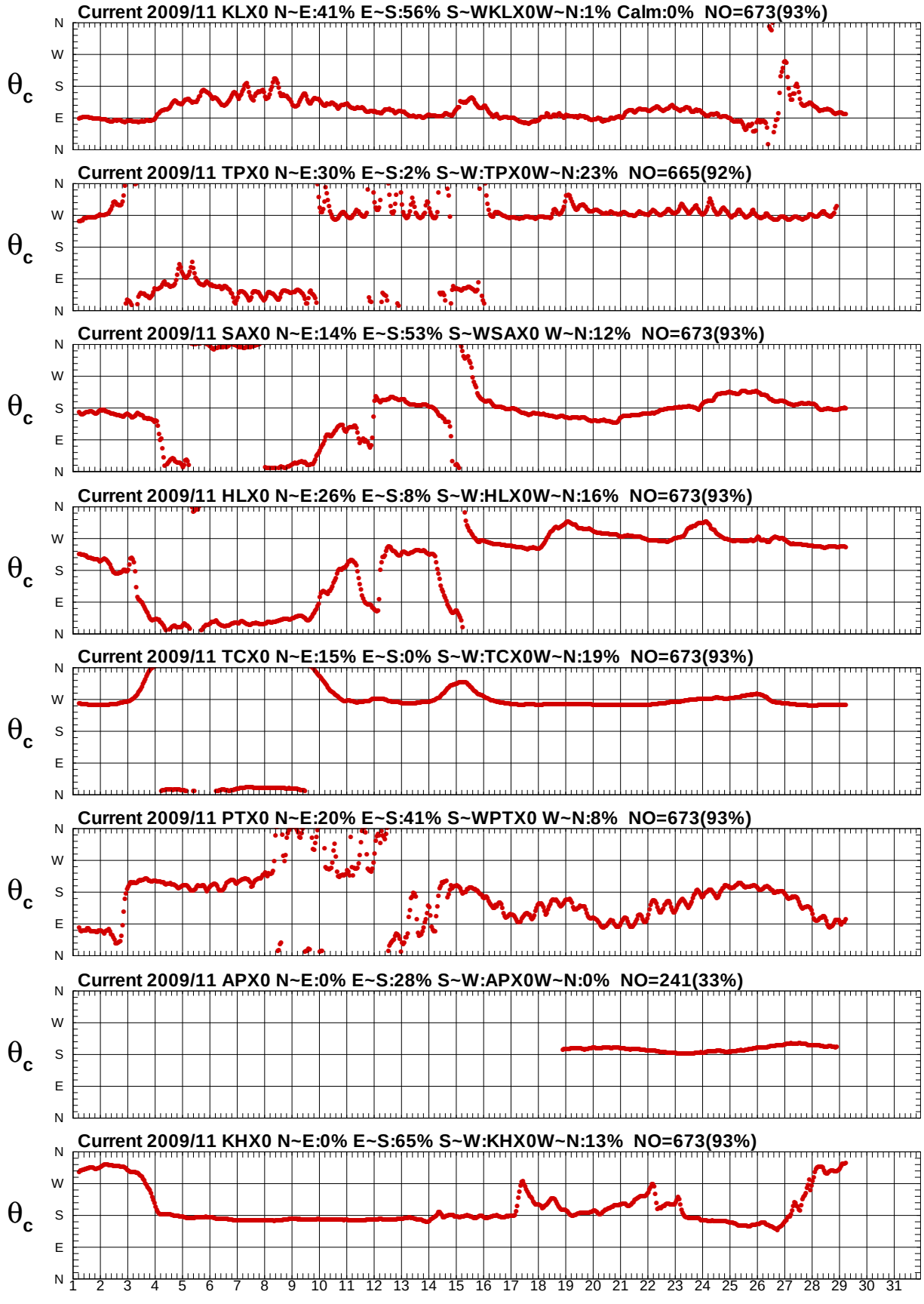


圖 4.9.143　2009年11月8商港 48時平均流向歷線圖

C09BKLX0.48H C09BTPX0.48H C09BSAX0.48H C09BHLX0.48H C09BTCX0.48H C09BPTX0.48H
C09BAPX0.48H C09BKHX0.48H

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Eight Harbors Current Vector at 2009/11

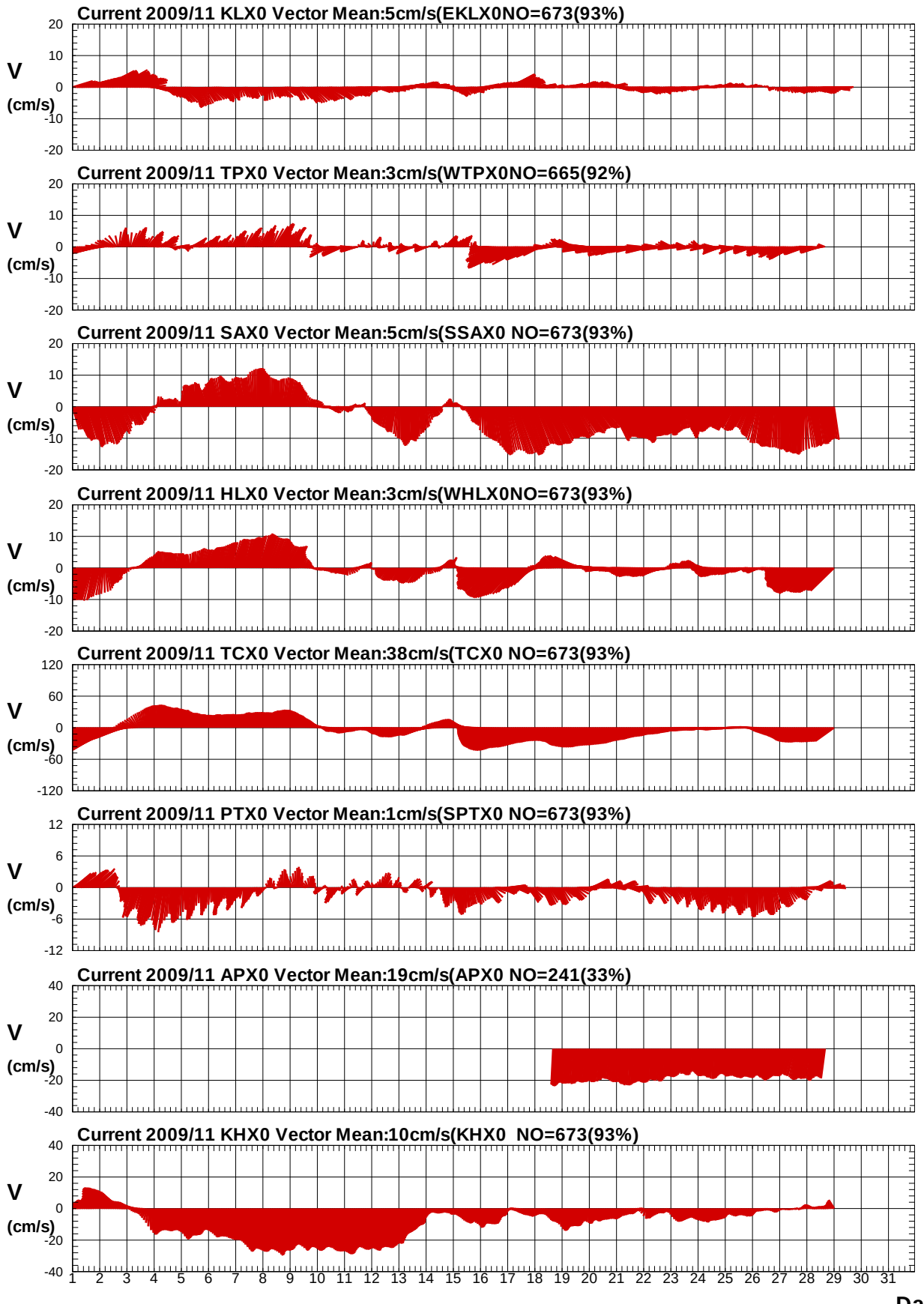


圖 4.9.144　2009年11月8商港 48時平均流矢圖

C09BKLX0.48H C09BTPX0.48H C09BSAX0.48H C09BHLX0.48H C09BTCX0.48H C09BPTX0.48H
C09BAPX0.48H C09BKHX0.48H

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第五章 2009年各港海流重要參數統計表及統計圖

(基隆港)
(臺北港)
(臺中港)
(安平港)
(高雄港)
(花蓮港)
(蘇澳港)
(布袋港)

5.1　2009年基隆港海流重要參數統計表及統計圖

表5.1.1a 2009年基隆港測站 X 觀測流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	744(100%)	18.0	67.6 /ENE	5.9 / E	80.0	18.7	1.1	.0	33.1	23.1	30.4	13.2
2	**2009/01**	744(100%)	18.6	67.5 /E	7.3 /ESE	79.0	17.6	2.8	.0	30.5	25.5	32.9	10.5
3	**2009/02**	672(100%)	16.8	68.4 /E	5.1 /ESE	82.7	15.9	1.0	.0	28.6	23.5	36.9	10.7
4	**2009/03**	744(100%)	18.3	70.7 /E	6.8 /ESE	78.9	18.4	2.3	.0	27.6	28.8	34.4	8.9
5	**2009/04**	719(100%)	17.8	64.6 /E	5.4 /ESE	77.3	20.3	1.9	.0	34.2	21.6	30.7	13.1
6	**2009/05**	720(97%)	18.1	52.3 /WSW	3.7 /ESE	77.6	22.1	.3	.0	30.6	24.2	30.6	14.7
7	**2009/06**	719(100%)	15.8	61.0 /E	2.7 / SE	83.4	16.1	.3	.0	30.3	24.6	30.5	14.5
8	**2009/07**	744(100%)	15.1	48.7 /W	1.9 / SE	85.5	14.4	.0	.0	25.5	26.7	28.2	19.4
9	**2009/08**	715(96%)	15.6	61.9 /E	2.1 / SE	84.6	13.6	1.4	.0	26.9	29.7	25.6	17.5
10	**2009/09**	707(98%)	13.4	50.1 /WSW	3.2 /SSE	90.9	8.6	.1	.0	20.5	31.1	33.7	14.4
11	**2009/10**	739(99%)	17.4	66.4 /E	4.2 / E	77.5	20.4	1.4	.0	31.8	19.6	29.8	18.1
12	**2009/11**	719(100%)	19.5	65.5 /E	5.9 / E	72.0	24.8	2.8	.0	37.1	19.9	30.0	12.5
13	**2009**/冬	2160(100%)	17.8	68.4 /E	6.1 /ESE	80.5	17.5	1.7	.0	30.8	24.1	33.3	11.5
14	**2009**/春	2183(99%)	18.1	70.7 /E	5.3 /ESE	78.0	20.2	1.5	.0	30.7	24.9	31.9	12.2
15	**2009**/夏	2178(99%)	15.5	61.9 /E	2.3 / SE	84.5	14.7	.6	.0	27.5	27.0	28.1	17.1
16	**2009**/秋	2165(99%)	16.8	66.4 /E	3.9 /ESE	80.1	18.0	1.4	.0	29.9	23.5	31.1	15.1
17	**2009**/年	8686(99%)	17.1	70.7 /E	4.4 /ESE	80.8	17.6	1.3	.0	29.7	24.9	31.1	14.0

表5.1.1b 歷年基隆港測站 X 觀測流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	5111(98%)	29.7	119.2 /W	7.5 /ENE	47.1	39.0	13.7	.1	36.0	23.9	23.2	16.8
2	歷年/02	4100(86%)	29.2	99.5 /E	6.8 / NE	45.9	42.7	11.3	.0	38.0	19.9	21.7	20.3
3	歷年/03	4455(86%)	29.5	109.5 /WNW	8.4 /ENE	43.8	45.0	11.0	.0	38.9	20.9	21.2	18.8
4	歷年/04	5270(92%)	27.5	100.5 /ENE	7.8 / NE	48.9	41.6	9.4	.0	42.1	17.8	21.7	18.3
5	歷年/05	4995(84%)	27.7	96.1 /ENE	6.3 /ENE	48.4	42.5	9.0	.0	41.2	19.0	24.7	15.1
6	歷年/06	4694(82%)	26.7	93.9 /W	5.5 / NE	52.8	37.5	9.7	.0	40.2	19.1	23.2	17.5
7	歷年/07	5370(90%)	27.4	135.6 /NNE	3.7 / NE	54.2	32.9	12.8	.1	35.7	22.2	24.2	17.8
8	歷年/08	5904(88%)	26.8	118.2 /E	3.0 / NE	53.7	35.2	10.9	.0	35.4	22.5	25.6	16.4
9	歷年/09	4683(93%)	24.6	92.9 /ENE	3.4 /ENE	59.1	32.4	8.4	.0	38.6	18.7	28.5	14.1
10	歷年/10	6208(93%)	24.2	94.6 /E	3.7 / E	59.3	32.9	7.6	.0	33.3	22.4	28.8	15.4
11	歷年/11	6347(98%)	23.5	105.0 /ENE	4.8 /ENE	60.8	33.0	6.1	.0	34.4	19.5	26.1	19.9
12	歷年/12	5263(88%)	27.9	115.8 /NW	7.0 / E	55.8	29.3	14.6	.2	33.6	25.3	24.5	16.5
13	歷年/冬	14474(91%)	28.9	119.2 /W	7.0 /ENE	49.9	36.5	13.4	.1	35.7	23.3	23.2	17.7
14	歷年/春	14720(87%)	28.2	109.5 /WNW	7.4 /ENE	47.2	42.9	9.7	.0	40.8	19.2	22.6	17.3
15	歷年/夏	15968(87%)	26.9	135.6 /NNE	3.9 / NE	53.6	35.1	11.2	.1	36.9	21.4	24.4	17.2
16	歷年/秋	17238(95%)	24.1	105.0 /ENE	4.0 /ENE	59.8	32.8	7.3	.0	35.1	20.3	27.7	16.7
17	歷年/年	62400(90%)	26.9	135.6 /NNE	5.4 /ENE	52.9	36.6	10.3	.0	37.1	21.0	24.6	17.2

表5.1.1c 2009年基隆港測站 X 潮流流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	744(100%)	14.3	35.4 /E	.0 /SSW	90.7	9.3	.0	.0	43.3	6.5	43.1	7.1
2	**2009/01**	744(100%)	14.9	41.6 /ENE	.0 / W	86.6	13.4	.0	.0	44.9	4.6	45.4	5.1
3	**2009/02**	672(100%)	13.1	35.3 /ENE	.0 /ENE	90.6	9.4	.0	.0	45.2	4.8	45.1	4.9
4	**2009/03**	744(100%)	14.9	36.3 /WSW	.0 / W	83.6	16.4	.0	.0	45.4	3.6	46.5	4.4
5	**2009/04**	720(100%)	14.5	34.7 /ENE	.0 /NNE	87.1	12.9	.0	.0	46.2	4.0	46.5	3.2
6	**2009/05**	720(97%)	14.6	31.0 /E	.0 / E	91.3	8.8	.0	.0	43.5	7.2	42.9	6.4
7	**2009/06**	720(100%)	12.1	24.9 /W	.0 / E	100.0	.0	.0	.0	43.1	6.5	43.8	6.7
8	**2009/07**	744(100%)	10.3	23.1 /E	.0 / E	100.0	.0	.0	.0	40.9	8.9	40.9	9.4
9	**2009/08**	744(100%)	10.4	23.7 /W	.0 /NNW	100.0	.0	.0	.0	38.3	11.8	37.8	12.1
10	**2009/09**	720(100%)	8.2	21.7 /WSW	.0 /SSW	100.0	.0	.0	.0	44.3	6.9	40.7	8.1
11	**2009/10**	744(100%)	13.4	30.6 /WSW	.0 / W	93.3	6.7	.0	.0	44.2	5.6	43.8	6.3
12	**2009/11**	720(100%)	15.9	33.0 /ENE	.0 / NE	85.4	14.6	.0	.0	41.3	8.2	42.4	8.2
13	**2009**/冬	2160(100%)	14.1	41.6 /ENE	.0 /NNE	89.3	10.7	.0	.0	44.4	5.3	44.5	5.7
14	**2009**/春	2184(99%)	14.7	36.3 /WSW	.0 / E	87.3	12.7	.0	.0	45.1	4.9	45.3	4.7
15	**2009**/夏	2208(100%)	10.9	24.9 /W	.0 / E	100.0	.0	.0	.0	40.7	9.1	40.8	9.4
16	**2009**/秋	2184(100%)	12.5	33.0 /ENE	.0 /WSW	92.9	7.1	.0	.0	43.3	6.9	42.3	7.5
17	**2009**/年	8736(100%)	13.1	41.6 /ENE	.0 /ENE	92.4	7.6	.0	.0	43.4	6.6	43.2	6.8

表5.1.1d　歷年基隆港測站 X 潮流流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	5202(100%)	17.9	52.6 /WSW	.0 /WSW	74.7	25.1	.2	.0	39.6	10.1	39.6	10.7
2	歷年/02	4207(89%)	17.6	55.3 /WSW	.0 / NE	76.8	22.8	.4	.0	39.3	10.7	38.8	11.1
3	歷年/03	4462(86%)	18.5	56.3 /ENE	.0 /NNW	72.4	26.9	.7	.0	39.8	9.9	40.9	9.5
4	歷年/04	5507(96%)	19.6	60.0 /ENE	.0 /WSW	68.8	30.4	.9	.0	41.7	8.4	41.2	8.6
5	歷年/05	5192(87%)	21.0	63.8 /WSW	.0 / E	64.9	34.1	1.0	.0	40.1	10.0	39.8	10.1
6	歷年/06	5030(87%)	18.9	58.1 /WSW	.1 / E	74.0	25.6	.4	.0	37.9	12.3	37.8	12.0
7	歷年/07	5873(99%)	17.1	53.7 /ENE	.0 /ENE	78.0	21.7	.3	.0	38.1	12.3	36.9	12.7
8	歷年/08	6197(93%)	17.3	56.6 /E	.0 /WNW	77.9	21.6	.5	.0	36.7	13.3	36.6	13.4
9	歷年/09	4730(94%)	17.2	60.8 /ENE	.0 /WSW	77.1	22.3	.6	.0	41.6	8.8	40.8	8.7
10	歷年/10	6364(95%)	16.9	58.2 /WSW	.0 /NNW	78.9	20.6	.6	.0	38.4	11.6	37.7	12.2
11	歷年/11	6480(100%)	16.3	55.7 /WSW	.0 /ENE	80.5	19.2	.3	.0	39.6	10.5	39.6	10.4
12	歷年/12	5769(97%)	14.2	43.7 /E	.0 /SSW	87.3	12.7	.0	.0	38.1	11.5	37.5	12.9
13	歷年/冬	15178(95%)	16.4	55.3 /WSW	.0 /WSW	80.1	19.8	.2	.0	39.0	10.8	38.6	11.6
14	歷年/春	15161(90%)	19.8	63.8 /WSW	.0 / E	68.5	30.6	.9	.0	40.6	9.4	40.6	9.4
15	歷年/夏	17100(93%)	17.7	58.1 /WSW	.0 /ENE	76.8	22.8	.4	.0	37.5	12.7	37.0	12.8
16	歷年/秋	17574(97%)	16.8	60.8 /ENE	.0 /NNE	79.0	20.5	.5	.0	39.7	10.4	39.2	10.6
17	歷年/年	65013(94%)	17.6	63.8 /WSW	.0 / E	76.2	23.3	.5	.0	39.2	10.9	38.8	11.1

表5.1.1e 2009年基隆港測站 X 非潮流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	744(100%)	11.3	44.5 /ESE	5.9 / E	96.4	3.6	.0	.0	30.8	42.3	16.1	10.8
2	**2009/01**	744(100%)	11.8	37.3 /E	7.3 /ESE	96.0	4.0	.0	.0	31.5	48.8	10.6	9.1
3	**2009/02**	672(100%)	10.6	47.6 /E	5.1 /ESE	97.8	2.2	.0	.0	25.7	43.3	19.3	11.6
4	**2009/03**	744(100%)	11.4	42.3 /E	6.8 /ESE	96.5	3.5	.0	.0	24.7	50.7	14.8	9.8
5	**2009/04**	719(100%)	11.8	39.8 /SSE	5.4 /ESE	95.7	4.3	.0	.0	32.4	39.6	16.0	12.0
6	**2009/05**	720(97%)	11.1	37.7 /SW	3.6 /ESE	97.5	2.5	.0	.0	25.1	39.6	20.4	14.9
7	**2009/06**	719(100%)	10.9	47.7 /WSW	2.7 / SE	96.8	3.2	.0	.0	28.1	33.1	23.6	15.2
8	**2009/07**	744(100%)	11.5	37.2 /WSW	1.9 / SE	95.7	4.3	.0	.0	25.8	31.3	24.6	18.3
9	**2009/08**	715(96%)	11.7	47.0 /E	2.2 / SE	94.0	6.0	.0	.0	27.8	31.9	24.6	15.7
10	**2009/09**	707(98%)	10.3	48.0 /WSW	3.1 /SSE	96.9	3.1	.0	.0	18.1	36.8	28.6	16.5
11	**2009/10**	739(99%)	12.1	42.8 /E	4.2 / E	95.1	4.9	.0	.0	31.0	33.3	17.3	18.4
12	**2009/11**	719(100%)	13.1	41.3 /E	5.9 / E	92.9	7.1	.0	.0	35.0	34.5	17.2	13.2
13	**2009**/冬	2160(100%)	11.3	47.6 /E	6.1 /ESE	96.7	3.3	.0	.0	29.4	44.9	15.2	10.5
14	**2009**/春	2183(99%)	11.4	42.3 /E	5.3 /ESE	96.6	3.4	.0	.0	27.4	43.4	17.0	12.2
15	**2009**/夏	2178(99%)	11.4	47.7 /WSW	2.3 / SE	95.5	4.5	.0	.0	27.2	32.1	24.3	16.4
16	**2009**/秋	2165(99%)	11.9	48.0 /WSW	3.9 /ESE	95.0	5.0	.0	.0	28.1	34.8	21.0	16.1
17	**2009**/年	8686(99%)	11.5	48.0 /WSW	4.3 /ESE	95.9	4.1	.0	.0	28.0	38.8	19.4	13.8

表5.1.1f 歷年基隆港測站 X 非潮流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	5111(98%)	22.1	107.9 /SE	7.6 /ENE	68.0	25.0	7.0	.1	40.2	33.3	11.9	14.6
2	歷年/02	4100(86%)	21.8	92.7 /WSW	6.7 / NE	66.0	29.4	4.7	.0	40.2	27.0	12.6	20.2
3	歷年/03	4455(86%)	21.7	108.9 /ENE	8.4 /ENE	66.4	29.5	4.1	.0	41.6	28.3	11.6	18.5
4	歷年/04	5270(92%)	18.1	79.1 /ENE	7.8 / NE	77.2	21.1	1.7	.0	42.0	24.6	12.0	21.4
5	歷年/05	4995(84%)	16.6	89.1 /ENE	6.3 /ENE	82.0	16.8	1.2	.0	38.2	27.4	15.5	18.9
6	歷年/06	4694(82%)	17.6	76.8 /NE	5.3 / NE	77.6	20.8	1.6	.0	38.5	23.5	17.9	20.1
7	歷年/07	5370(90%)	20.3	116.5 /N	4.0 / NE	70.8	24.8	4.3	.1	33.2	23.4	21.9	21.5
8	歷年/08	5904(88%)	19.6	90.2 /E	3.3 / NE	72.1	24.3	3.6	.0	33.7	23.0	23.5	19.8
9	歷年/09	4683(93%)	17.2	92.7 /E	3.4 /ENE	79.9	17.9	2.2	.0	35.9	22.9	23.9	17.3
10	歷年/10	6208(93%)	16.8	117.9 /ESE	3.8 / E	80.7	17.6	1.7	.0	31.8	27.6	23.6	17.1
11	歷年/11	6347(98%)	16.5	94.1 /ESE	4.9 /ENE	82.7	15.8	1.5	.0	34.8	26.1	18.2	20.9
12	歷年/12	5263(88%)	21.9	114.2 /NE	7.1 / E	72.8	16.3	10.6	.2	36.0	32.7	15.4	15.8
13	歷年/冬	14474(91%)	21.9	114.2 /NE	7.0 /ENE	69.2	23.1	7.6	.1	38.7	31.3	13.4	16.6
14	歷年/春	14720(87%)	18.7	108.9 /ENE	7.4 /ENE	75.5	22.2	2.3	.0	40.6	26.7	13.1	19.7
15	歷年/夏	15968(87%)	19.2	116.5 /N	4.1 / NE	73.3	23.5	3.2	.0	34.9	23.3	21.3	20.5
16	歷年/秋	17238(95%)	16.8	117.9 /ESE	4.1 /ENE	81.2	17.0	1.8	.0	34.0	25.7	21.7	18.6
17	歷年/年	62400(90%)	19.1	117.9 /ESE	5.5 /ENE	75.0	21.3	3.6	.0	36.9	26.6	17.6	18.9

表5.1.1g 2009年基隆港測站 X48時平均流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	697(94%)	6.3	12.9 /E	5.8 /ESE	100.0	.0	.0	.0	27.7	71.7	.6	.0
2	**2009/01**	697(94%)	7.6	14.5 /E	7.2 / E	100.0	.0	.0	.0	27.5	72.3	.0	.1
3	**2009/02**	625(93%)	6.1	11.0 /E	4.9 /ESE	100.0	.0	.0	.0	23.2	64.0	12.8	.0
4	**2009/03**	697(94%)	7.0	13.1 /ESE	6.7 /ESE	100.0	.0	.0	.0	9.0	90.5	.4	.0
5	**2009/04**	673(94%)	6.2	12.2 /E	5.3 /ESE	100.0	.0	.0	.0	25.3	63.7	11.0	.0
6	**2009/05**	673(91%)	4.3	8.8 /SE	3.6 /ESE	100.0	.0	.0	.0	18.9	66.3	10.7	4.2
7	**2009/06**	673(94%)	3.7	7.1 /ESE	2.6 / SE	100.0	.0	.0	.0	18.4	62.0	16.2	3.4
8	**2009/07**	697(94%)	3.2	10.3 /E	1.9 / SE	100.0	.0	.0	.0	9.3	52.9	34.0	3.7
9	**2009/08**	697(94%)	4.0	9.3 /E	2.1 / SE	100.0	.0	.0	.0	13.3	54.4	26.5	5.7
10	**2009/09**	673(94%)	3.8	7.9 /SE	3.2 /SSE	100.0	.0	.0	.0	.6	69.5	29.9	.0
11	**2009/10**	697(94%)	4.7	14.6 /E	3.9 / E	100.0	.0	.0	.0	36.0	51.6	8.9	3.4
12	**2009/11**	673(94%)	6.4	15.5 /ENE	5.8 / E	100.0	.0	.0	.0	40.7	57.1	1.6	.6
13	**2009**/冬	2019(94%)	6.7	14.5 /E	6.0 /ESE	100.0	.0	.0	.0	26.3	69.5	4.2	.0
14	**2009**/春	2043(93%)	5.8	13.1 /ESE	5.2 /ESE	100.0	.0	.0	.0	17.6	73.7	7.3	1.4
15	**2009**/夏	2067(94%)	3.6	10.3 /E	2.2 / SE	100.0	.0	.0	.0	13.6	56.4	25.7	4.3
16	**2009**/秋	2043(94%)	5.0	15.5 /ENE	3.8 /ESE	100.0	.0	.0	.0	25.9	59.3	13.4	1.4
17	**2009**/年	8172(93%)	5.3	15.5 /ENE	4.2 /ESE	100.0	.0	.0	.0	20.8	64.7	12.7	1.8

表5.1.2 2009年及歷年基隆港測站 X 觀測流速分佈百分比 (%) 統計表

流速 (cm/s) 年、月	0 ～ 5	5 ～ 10	10 ～ 15	15 ～ 20	20 ～ 25	25 ～ 30	30 ～ 35	35 ～ 40	40 ～ 45	45 ～ 50	50 ～ 60	60 ～ 80	80 ～ 100	100～ 120	120～ 150	150 <	合計 (%)
2008/12	.4	21.0	25.5	20.7	12.4	7.8	4.8	3.0	1.5	1.6	.7	.4	.0	.0	.0	.0	100.
2009/01	.1	22.7	26.9	18.7	10.6	6.0	5.0	2.7	1.6	2.3	2.3	.5	.0	.0	.0	.0	100.
2009/02	.4	26.3	28.0	18.5	9.5	6.1	3.6	3.4	1.6	1.2	.6	.4	.0	.0	.0	.0	100.
2009/03	2.3	22.6	24.7	18.1	11.2	6.3	4.7	3.5	1.5	2.4	1.6	.7	.0	.0	.0	.0	100.
2009/04	4.7	25.7	21.7	15.2	10.0	6.5	5.7	3.3	2.9	1.8	1.3	.7	.0	.0	.0	.0	100.
2009/05	4.2	18.8	24.4	16.0	14.3	8.1	6.3	4.7	2.1	1.0	.3	.0	.0	.0	.0	.0	100.
2009/06	8.8	21.0	26.8	16.6	10.3	6.4	5.7	2.5	.7	.8	.1	.1	.0	.0	.0	.0	100.
2009/07	5.0	29.2	26.3	14.7	10.3	6.3	3.6	3.1	.8	.5	.0	.0	.0	.0	.0	.0	100.
2009/08	3.4	29.9	27.6	13.8	9.9	5.0	4.3	3.1	1.0	.1	1.0	.4	.0	.0	.0	.0	100.
2009/09	3.7	36.5	28.6	14.6	7.6	4.1	2.8	1.0	.7	.0	.1	.0	.0	.0	.0	.0	100.
2009/10	4.2	25.7	25.2	13.8	8.7	7.0	5.8	3.7	1.9	2.0	.9	.4	.0	.0	.0	.0	100.
2009/11	4.0	22.3	21.4	14.2	10.2	8.1	5.8	5.0	3.2	2.6	2.2	.6	.0	.0	.0	.0	100.
2009/冬	.3	23.2	26.8	19.3	10.9	6.7	4.5	3.0	1.6	1.7	1.2	.5	.0	.0	.0	.0	100.
2009/春	3.7	22.4	23.6	16.4	11.8	7.0	5.5	3.8	2.2	1.7	1.1	.5	.0	.0	.0	.0	100.
2009/夏	5.7	26.7	26.9	15.0	10.2	5.9	4.5	2.9	.8	.5	.4	.2	.0	.0	.0	.0	100.
2009/秋	4.0	28.1	25.0	14.2	8.8	6.4	4.8	3.2	1.9	1.6	1.1	.3	.0	.0	.0	.0	100.
2009/年	3.4	25.1	25.6	16.2	10.4	6.5	4.9	3.2	1.6	1.4	.9	.4	.0	.0	.0	.0	100.
歷年/**01**	.6	9.1	13.3	12.4	11.7	9.8	9.8	8.2	5.8	5.5	6.9	6.0	.7	.1	.0	.0	100.
歷年/**02**	.7	7.4	13.7	12.7	11.3	11.5	10.4	8.6	6.9	5.3	6.6	4.2	.6	.0	.0	.0	100.
歷年/**03**	1.1	7.8	11.1	12.0	11.7	12.9	11.2	9.1	6.5	5.3	5.8	4.4	.8	.0	.0	.0	100.
歷年/**04**	2.9	10.1	12.2	11.7	11.9	11.8	10.3	8.8	6.2	4.5	5.3	3.7	.4	.0	.0	.0	100.
歷年/**05**	2.4	8.6	12.0	12.5	13.0	11.3	11.5	7.9	6.8	4.9	5.6	3.2	.2	.0	.0	.0	100.
歷年/**06**	3.6	9.9	14.3	12.5	12.5	10.9	9.3	7.3	5.6	4.3	5.8	3.6	.3	.0	.0	.0	100.
歷年/**07**	2.9	12.7	14.6	12.6	11.4	9.3	8.1	6.3	5.3	3.9	6.5	5.2	1.1	.1	.0	.0	100.
歷年/**08**	3.0	13.1	13.9	12.3	11.5	9.5	8.5	6.8	5.5	4.9	6.0	4.6	.3	.0	.0	.0	100.
歷年/**09**	4.0	15.3	15.0	12.7	12.1	10.2	7.7	5.4	4.9	4.2	5.1	3.0	.3	.0	.0	.0	100.
歷年/**10**	3.3	16.0	16.0	12.9	11.0	9.3	8.7	6.6	4.9	3.4	4.4	2.9	.3	.0	.0	.0	100.
歷年/**11**	3.8	14.9	16.7	13.5	11.9	10.2	8.0	6.8	4.6	3.5	3.7	2.0	.3	.0	.0	.0	100.
歷年/**12**	3.6	12.4	15.4	13.1	11.4	8.6	7.6	5.5	4.4	3.3	5.5	7.4	1.8	.2	.0	.0	100.
歷年/冬	1.7	9.8	14.2	12.7	11.5	9.8	9.2	7.3	5.6	4.6	6.3	6.0	1.1	.1	.0	.0	100.
歷年/春	2.2	8.9	11.8	12.1	12.2	12.0	11.0	8.6	6.5	4.9	5.5	3.7	.5	.0	.0	.0	100.
歷年/夏	3.1	12.0	14.2	12.4	11.7	9.9	8.6	6.8	5.5	4.4	6.1	4.5	.6	.0	.0	.0	100.
歷年/秋	3.7	15.4	16.0	13.1	11.6	9.9	8.2	6.3	4.8	3.7	4.3	2.6	.3	.0	.0	.0	100.
歷年/年	2.7	11.7	14.1	12.6	11.8	10.4	9.2	7.2	5.5	4.4	5.5	4.2	.6	.0	.0	.0	100.

表5.1.3 2009年及歷年基隆港測站 X 觀測流向分佈百分比 (%) 統計表

流向 年、月	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	合計 (%)
2008/12	2.2	2.3	4.3	12.5	23.9	6.9	3.1	1.9	1.2	3.6	11.2	12.2	5.9	3.6	3.5	1.7	100.
2009/01	1.6	2.7	3.8	9.7	25.7	9.7	2.8	.5	2.0	3.8	11.7	13.0	5.9	3.6	1.9	1.6	100.
2009/02	2.7	1.6	2.7	10.7	23.2	7.9	2.1	2.1	2.5	4.2	13.7	13.8	6.2	3.4	1.6	1.5	100.
2009/03	1.6	2.0	2.0	8.6	28.9	8.1	2.6	2.4	2.3	2.3	11.6	15.9	5.9	3.4	1.6	.9	100.
2009/04	3.3	3.6	3.6	10.7	26.0	5.6	2.6	1.7	1.4	2.9	10.4	11.4	9.0	4.2	1.9	1.5	100.
2009/05	2.5	3.1	6.0	10.6	22.6	7.4	2.1	1.7	1.8	2.1	10.1	13.1	8.3	4.7	2.5	1.5	100.
2009/06	3.6	4.3	6.5	8.2	21.0	6.8	3.2	1.9	2.4	4.2	9.9	12.1	5.8	4.7	3.3	1.9	100.
2009/07	3.6	3.4	3.6	7.9	19.2	9.5	2.4	3.0	2.7	2.4	6.9	12.5	8.6	6.2	4.0	4.0	100.
2009/08	2.7	2.5	5.9	9.2	16.9	10.2	4.9	3.9	2.5	2.8	6.9	10.3	9.9	4.1	4.6	2.7	100.
2009/09	2.7	3.0	5.9	7.5	11.0	13.3	5.0	3.3	3.4	5.9	12.3	10.6	7.4	4.1	2.7	2.0	100.
2009/10	5.1	4.2	4.2	11.4	18.8	6.4	1.4	2.0	2.2	3.9	10.3	8.9	8.4	5.5	3.9	3.4	100.
2009/11	2.9	4.6	6.1	12.9	23.1	5.0	2.1	.8	2.2	4.0	10.2	11.1	6.7	3.6	1.8	2.8	100.
2009/冬	2.1	2.2	3.6	11.0	24.3	8.1	2.7	1.5	1.9	3.8	12.1	13.0	6.0	3.6	2.4	1.6	100.
2009/春	2.5	2.9	3.8	9.9	25.9	7.0	2.4	1.9	1.8	2.4	10.7	13.5	7.7	4.1	2.0	1.3	100.
2009/夏	3.3	3.4	5.3	8.4	19.1	8.9	3.5	2.9	2.5	3.1	7.9	11.7	8.1	5.0	4.0	2.9	100.
2009/秋	3.6	3.9	5.4	10.6	17.7	8.2	2.8	2.0	2.6	4.6	10.9	10.2	7.5	4.4	2.8	2.7	100.
2009/年	2.9	3.1	4.5	10.0	21.7	8.0	2.8	2.1	2.2	3.5	10.4	12.1	7.3	4.3	2.8	2.1	100.
歷年/**01**	2.9	4.0	9.0	11.9	17.7	7.0	4.2	3.0	3.1	3.2	4.9	8.6	9.9	5.6	2.8	2.1	100.
歷年/**02**	3.5	5.6	9.8	13.1	13.1	5.2	3.6	3.7	3.4	3.2	4.9	7.3	9.8	6.9	4.0	2.9	100.
歷年/**03**	3.1	5.3	10.5	12.9	15.5	5.4	3.4	3.9	2.8	2.5	4.6	8.0	9.2	6.6	3.6	2.6	100.
歷年/**04**	3.0	5.1	10.4	15.4	18.4	5.1	1.8	1.4	1.4	1.7	4.1	9.2	12.4	6.1	2.4	2.0	100.
歷年/**05**	1.6	3.7	9.1	16.8	19.3	6.5	1.9	1.3	1.4	2.2	4.9	10.4	12.4	5.2	1.9	1.3	100.
歷年/**06**	2.4	4.3	9.8	15.8	16.3	5.8	3.0	1.9	1.8	2.3	4.4	9.3	12.5	6.3	2.6	1.6	100.
歷年/**07**	3.1	5.1	8.2	12.7	15.6	7.5	3.2	2.5	2.5	1.8	4.3	9.7	12.4	5.7	3.0	2.6	100.
歷年/**08**	2.8	4.1	8.2	14.0	14.7	7.5	3.8	2.9	2.2	2.8	4.6	10.3	12.4	4.8	2.7	2.1	100.
歷年/**09**	2.5	3.9	8.9	16.4	14.8	6.1	3.0	2.0	2.4	3.1	6.4	11.4	10.6	4.3	2.3	2.0	100.
歷年/**10**	2.6	4.0	7.5	12.9	15.0	7.7	3.4	2.5	2.3	3.4	6.4	11.4	11.8	4.8	2.7	1.8	100.
歷年/**11**	3.1	4.6	7.7	12.4	16.7	5.5	2.9	1.8	1.8	2.4	5.6	11.2	10.8	6.9	3.5	3.0	100.
歷年/**12**	2.6	3.1	7.4	12.6	19.9	6.9	3.6	3.0	2.5	3.5	5.3	9.0	9.4	5.4	3.6	2.1	100.
歷年/冬	3.0	4.1	8.6	12.5	17.2	6.5	3.8	3.2	3.0	3.3	5.0	8.4	9.7	5.9	3.4	2.3	100.
歷年/春	2.6	4.7	10.0	15.1	17.9	5.7	2.3	2.1	1.8	2.1	4.6	9.3	11.4	5.9	2.6	1.9	100.
歷年/夏	2.8	4.5	8.7	14.1	15.5	7.0	3.4	2.5	2.2	2.3	4.5	9.8	12.4	5.5	2.7	2.1	100.
歷年/秋	2.8	4.2	7.9	13.7	15.5	6.5	3.1	2.1	2.1	3.0	6.1	11.3	11.1	5.4	2.9	2.3	100.
歷年/年	2.8	4.4	8.8	13.9	16.5	6.4	3.1	2.5	2.3	2.7	5.1	9.8	11.2	5.7	2.9	2.2	100.

表5.1.4a 基隆港2009年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12	19.3	16.5	15.4	14.9	15.3	16.4	13.2	17.7	17.9	22.2	20.8	22.7	22.4	20.1	19.8	17.7	16.8	17.2	16.5	17.6	16.4	17.5	19.1	19.1
2009/01	20.9	20.2	15.2	14.4	14.9	15.7	15.9	17.5	18.6	23.2	23.8	23.4	25.0	22.7	21.2	17.1	17.1	16.5	14.8	15.5	16.5	15.9	21.0	19.3
2009/02	17.4	14.4	14.1	12.7	14.3	15.0	13.2	14.8	18.4	21.8	22.4	22.8	18.6	14.7	15.9	16.9	16.9	15.6	14.3	13.7	14.5	18.6	22.1	21.1
2009/03	21.7	20.9	17.2	16.2	14.3	15.4	16.3	20.2	20.5	22.4	22.2	23.4	20.2	16.9	15.3	15.4	14.1	15.6	15.7	16.3	17.7	19.8	20.0	21.3
2009/04	18.5	18.8	17.8	18.8	16.0	15.3	15.3	18.5	17.9	17.7	21.0	19.4	18.5	18.1	18.9	16.3	16.3	15.2	14.5	15.7	20.4	21.9	19.8	17.8
2009/05	19.2	21.4	18.7	19.8	15.9	16.4	17.6	19.8	18.3	17.0	16.8	16.6	17.2	18.2	20.0	17.1	16.0	16.3	18.2	19.4	19.4	20.9	17.4	17.2
2009/06	14.0	14.8	15.9	15.2	14.9	16.2	16.7	17.3	19.3	15.3	15.8	13.4	17.8	17.3	17.0	14.2	13.9	15.4	17.1	16.2	16.4	15.5	15.8	14.0
2009/07	14.7	12.9	13.1	16.8	14.7	14.8	17.6	15.5	14.1	13.5	14.2	18.3	15.1	14.2	11.5	15.6	16.5	17.1	16.1	17.0	20.9	13.6	13.7	12.1
2009/08	14.1	12.0	13.0	16.1	16.2	16.5	19.4	17.9	14.9	14.5	16.5	15.2	15.2	13.8	12.2	16.3	15.9	15.9	16.7	19.4	17.3	15.4	16.1	15.0
2009/09	14.4	11.9	11.0	12.9	11.8	11.1	13.3	14.0	13.6	13.4	12.5	14.6	13.0	10.0	11.5	12.0	15.7	18.0	16.9	16.1	14.3	13.0	14.7	12.8
2009/10	18.8	17.1	15.6	16.3	17.4	15.5	15.7	17.3	18.9	18.9	18.8	17.0	17.3	17.1	17.5	13.9	15.2	16.3	15.4	19.2	20.1	19.2	19.4	18.4
2009/11	18.6	18.6	18.0	17.8	17.1	17.2	17.7	24.1	24.3	25.4	21.6	19.1	20.1	17.8	14.4	15.0	17.5	16.8	20.4	19.6	23.7	21.2	20.5	21.1
2009/冬	19.3	17.1	14.9	14.1	14.8	15.7	14.1	16.7	18.3	22.4	22.3	22.9	22.1	19.3	19.1	17.3	16.9	16.5	15.2	15.7	15.8	17.3	20.7	19.8
2009/春	19.8	20.4	17.9	18.2	15.4	15.7	16.4	19.5	18.9	19.1	20.0	19.8	18.7	17.7	18.0	16.3	15.4	15.7	16.2	17.1	19.2	20.9	19.1	18.8
2009/夏	14.2	13.2	14.0	16.0	15.2	15.8	17.9	16.9	16.1	14.4	15.5	15.6	16.0	15.1	13.5	15.3	15.5	16.1	16.6	17.5	18.2	14.8	15.2	13.7
2009/秋	17.3	15.9	14.9	15.7	15.5	14.6	15.6	18.5	18.9	19.2	17.6	16.9	16.8	15.0	14.5	13.7	16.1	17.0	17.6	18.3	19.4	17.8	18.2	17.4
2009/年	17.6	16.7	15.4	16.0	15.2	15.5	16.0	17.9	18.0	18.8	18.9	18.8	18.4	16.8	16.3	15.6	16.0	16.3	16.4	17.2	18.2	17.7	18.3	17.4

單位: cm/s

表5.1.4b 基隆港 歷年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/12	27.7	27.1	26.7	24.7	26.2	25.5	26.7	27.6	28.4	30.5	31.0	30.5	31.0	28.4	27.2	28.3	27.8	26.3	25.9	27.8	27.9	28.6	28.2	28.8
歷年/01	31.3	31.0	28.4	27.6	28.8	28.6	27.5	28.3	29.0	30.6	32.1	33.9	34.8	33.3	31.3	29.1	28.2	27.4	27.6	27.2	27.0	29.1	30.0	30.9
歷年/02	32.3	30.2	29.3	28.1	26.5	25.8	26.6	27.9	29.3	31.9	31.3	34.2	32.2	29.4	29.5	28.1	26.7	26.0	26.6	26.6	27.7	30.6	30.6	33.0
歷年/03	32.8	29.9	29.6	28.5	26.9	27.0	26.4	29.2	29.6	31.4	32.3	34.5	32.3	29.6	27.0	26.9	26.4	26.7	27.4	27.3	29.0	31.1	32.3	32.9
歷年/04	28.1	27.1	27.0	26.1	26.4	26.1	25.3	25.4	27.7	29.1	29.7	30.1	27.6	25.5	25.4	24.4	26.0	26.7	26.1	27.3	29.9	31.1	31.9	29.4
歷年/05	27.6	27.5	27.3	28.0	25.6	25.0	25.0	25.3	27.7	26.9	28.4	27.8	27.5	27.9	29.0	28.8	29.1	28.6	28.5	29.6	29.2	29.0	28.1	27.6
歷年/06	23.9	24.2	23.5	23.9	23.5	25.1	25.4	25.7	27.1	26.7	27.2	27.9	27.7	28.2	28.9	29.4	31.4	32.0	29.6	27.9	27.7	25.1	24.0	23.9
歷年/07	23.6	23.8	23.6	28.1	28.2	27.9	27.6	26.5	27.0	28.2	27.2	27.4	26.7	27.7	29.5	30.1	29.4	31.3	30.6	28.9	28.3	26.2	24.0	24.1
歷年/08	22.3	22.6	23.2	27.5	27.8	28.9	28.0	29.4	28.5	28.6	28.5	26.2	25.2	24.2	26.6	29.1	31.2	28.9	29.4	28.7	27.7	25.1	21.8	22.5
歷年/09	23.4	22.3	22.5	22.4	23.2	25.4	27.2	25.3	26.7	26.6	25.9	25.9	24.1	22.6	22.8	25.2	27.2	26.9	26.5	25.4	25.3	22.7	22.8	21.5
歷年/10	22.9	22.7	22.9	25.3	25.7	25.4	24.0	24.2	24.0	26.4	25.2	24.5	23.9	23.7	23.7	24.5	25.0	23.7	23.2	22.7	24.6	24.2	24.6	24.1
歷年/11	23.4	22.2	22.9	23.9	23.3	23.4	23.2	24.3	25.3	26.2	25.7	24.4	23.2	22.3	23.0	22.8	22.1	22.1	21.5	21.9	23.7	24.6	24.7	24.6
歷年/冬	30.3	29.4	28.0	26.7	27.2	26.7	27.0	27.9	28.9	30.9	31.5	32.8	32.7	30.4	29.3	28.5	27.7	26.6	26.7	27.2	27.5	29.3	29.5	30.7
歷年/春	29.3	28.1	27.9	27.5	26.3	26.0	25.5	26.5	28.3	29.0	30.0	30.7	29.0	27.6	27.1	26.6	27.2	27.3	27.3	28.1	29.4	30.4	30.7	29.9
歷年/夏	23.2	23.5	23.4	26.6	26.6	27.5	27.1	27.3	27.6	27.9	27.7	27.1	26.4	26.5	28.2	29.5	30.7	30.6	29.9	28.5	27.9	25.5	23.2	23.4
歷年/秋	23.2	22.4	22.8	24.0	24.2	24.7	24.6	24.5	25.2	26.4	25.6	24.8	23.7	22.9	23.2	24.1	24.5	24.0	23.5	23.2	24.5	24.0	24.1	23.6
歷年/年	26.3	25.6	25.4	26.1	26.0	26.2	26.0	26.5	27.4	28.5	28.5	28.6	27.7	26.7	26.8	27.1	27.5	27.1	26.8	26.7	27.2	27.1	26.7	26.7

單位: cm/s

表5.1.5a 基隆港2009年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12	58.1	36.3	47.4	33.9	37.9	47.8	27.7	38.9	43.9	48.9	65.9	53.5	67.6	54.1	42.6	36.9	41.3	32.5	28.7	37.0	37.9	37.5	49.7	49.9
2009/01	54.3	54.2	44.7	24.6	31.1	49.9	35.4	47.3	47.9	67.5	50.6	58.3	66.2	61.9	56.4	41.6	45.8	61.1	34.4	34.6	48.1	31.1	54.4	58.3
2009/02	44.3	33.2	35.2	29.3	28.0	35.7	33.6	48.1	45.4	48.4	58.6	63.0	46.8	31.5	35.6	33.2	41.2	40.7	23.1	28.8	29.5	39.8	68.4	61.7
2009/03	56.7	58.8	39.3	48.9	29.9	31.8	31.9	51.2	64.1	60.0	62.8	70.7	57.6	47.5	36.5	30.0	32.2	39.6	27.9	33.7	44.2	47.2	49.7	63.8
2009/04	46.5	53.5	43.2	53.7	48.2	43.8	45.0	39.7	57.8	47.8	64.6	48.4	45.5	47.1	49.6	34.0	45.9	42.8	32.4	40.9	58.5	60.1	61.3	49.2
2009/05	42.8	49.9	46.1	52.3	44.8	43.5	30.9	42.6	36.6	41.4	38.2	39.9	43.1	40.1	50.6	37.0	39.4	40.9	48.6	45.7	39.0	43.9	49.4	33.7
2009/06	30.9	37.7	38.7	31.8	41.2	41.2	36.2	37.8	48.1	32.8	38.3	30.1	35.3	38.6	38.7	30.9	46.4	46.5	60.0	36.2	47.2	33.2	61.0	46.5
2009/07	33.5	27.8	29.5	41.4	38.4	38.1	48.7	44.0	39.2	38.3	36.8	47.2	38.8	39.0	22.7	46.5	38.4	43.3	36.8	42.2	48.4	29.6	38.6	30.5
2009/08	38.0	33.6	31.3	39.0	32.9	36.6	61.2	55.0	60.3	37.4	37.9	61.9	58.7	35.0	30.6	50.6	40.6	59.4	37.4	51.5	32.9	37.8	40.7	45.5
2009/09	35.1	30.3	30.4	31.1	29.0	26.6	29.3	30.9	30.2	38.8	29.4	39.2	37.3	26.9	28.1	25.7	39.2	50.1	42.5	40.8	31.5	44.9	33.3	44.7
2009/10	50.3	43.1	42.7	43.6	47.6	39.9	35.4	41.4	46.4	49.5	55.6	57.3	50.0	47.8	47.3	38.9	33.6	31.8	38.1	46.5	54.2	66.4	65.7	53.0
2009/11	46.1	45.7	51.4	53.7	38.2	33.5	40.5	54.2	54.3	62.2	54.4	51.6	62.4	49.8	43.1	34.3	40.5	38.3	44.0	58.6	65.5	58.1	53.9	43.7
2009/冬	58.1	54.2	47.4	33.9	37.9	49.9	35.4	48.1	47.9	67.5	65.9	63.0	67.6	61.9	56.4	41.6	45.8	61.1	34.4	37.0	48.1	39.8	68.4	61.7
2009/春	56.7	58.8	46.1	53.7	48.2	43.8	45.0	51.2	64.1	60.0	64.6	70.7	57.6	47.5	50.6	37.0	45.9	42.8	48.6	45.7	58.5	60.1	61.3	63.8
2009/夏	38.0	37.7	38.7	41.4	41.2	41.2	61.2	55.0	60.3	38.3	38.3	61.9	58.7	39.0	38.7	50.6	46.4	59.4	60.0	51.5	48.4	37.8	61.0	46.5
2009/秋	50.3	45.7	51.4	53.7	47.6	39.9	40.5	54.2	54.3	62.2	55.6	57.3	62.4	49.8	47.3	38.9	40.5	50.1	44.0	58.6	65.5	66.4	65.7	53.0
2009/年	58.1	58.8	51.4	53.7	48.2	49.9	61.2	55.0	64.1	67.5	65.9	70.7	67.6	61.9	56.4	50.6	46.4	61.1	60.0	58.6	65.5	66.4	68.4	63.8

單位: cm/s

表5.1.5b 基隆港 歷年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/12	106.0	96.4	113.0	75.3	93.9	101.1	84.1	94.3	99.6	99.1	95.9	100.6	93.2	91.5	99.6	94.2	105.9	95.3	96.6	95.0	88.0	89.4	115.8	114.4
歷年/01	87.1	84.8	106.1	80.5	82.3	98.5	86.7	106.3	90.2	86.8	94.3	79.2	84.5	93.4	88.1	119.2	76.0	82.3	76.3	86.2	79.1	92.6	78.3	83.0
歷年/02	83.7	81.9	99.5	98.5	87.8	69.8	68.2	76.2	76.0	78.5	82.0	85.7	89.0	83.0	93.6	97.4	75.9	92.1	78.9	66.5	86.6	75.1	92.9	78.6
歷年/03	91.6	105.3	97.5	96.7	73.0	71.0	79.2	84.5	70.8	84.2	82.8	93.1	94.8	84.9	81.1	65.3	85.6	75.1	79.5	109.5	76.8	73.8	91.3	93.8
歷年/04	77.6	91.7	74.5	80.8	75.1	76.9	99.9	66.9	69.7	79.6	79.0	100.5	86.8	90.7	79.4	83.1	82.2	84.3	76.0	86.8	83.2	84.6	97.2	82.8
歷年/05	75.0	78.4	76.2	76.3	62.8	72.2	72.3	59.4	74.0	74.5	96.1	82.0	90.0	84.9	82.7	77.1	77.9	72.1	92.8	71.1	81.3	67.5	72.2	80.8
歷年/06	79.6	66.0	66.4	72.5	69.1	92.0	81.3	80.8	78.7	68.0	75.3	72.7	79.8	73.3	77.9	84.3	91.9	77.3	81.8	75.0	87.7	93.9	72.6	81.2
歷年/07	116.7	135.6	97.5	96.3	93.3	82.7	111.6	80.3	84.7	87.8	85.7	82.6	109.3	110.9	81.0	85.7	89.3	91.0	85.8	105.8	86.4	93.8	85.8	97.9
歷年/08	82.0	83.3	78.9	75.5	96.0	82.5	78.5	83.4	80.8	78.9	118.2	82.2	78.9	92.2	85.2	76.8	81.1	75.6	82.8	96.6	92.2	78.1	80.9	86.0
歷年/09	82.4	72.1	78.2	75.2	80.8	77.7	74.5	69.7	78.3	77.8	75.8	87.7	86.1	85.9	67.5	90.8	88.3	76.2	74.1	70.4	81.8	82.9	92.9	78.1
歷年/10	81.7	84.3	72.0	81.6	82.0	73.4	83.4	87.8	72.3	94.6	85.6	90.6	90.6	79.9	79.9	80.6	70.2	62.8	73.0	83.9	69.9	80.8	92.6	84.1
歷年/11	82.4	81.1	73.8	74.0	74.0	66.8	92.3	86.0	72.0	77.5	105.0	84.0	81.5	82.2	81.3	68.8	73.4	69.1	70.6	72.5	73.1	85.5	88.2	92.1
歷年/冬	106.0	96.4	113.0	98.5	93.9	101.1	86.7	106.3	99.6	99.1	95.9	100.6	93.2	93.4	99.6	119.2	105.9	95.3	96.6	95.0	88.0	92.6	115.8	114.4
歷年/春	91.6	105.3	97.5	96.7	75.1	76.9	99.9	84.5	74.0	84.2	96.1	100.5	94.8	90.7	82.7	83.1	85.6	84.3	92.8	109.5	83.2	84.6	97.2	93.8
歷年/夏	116.7	135.6	97.5	96.3	96.0	92.0	111.6	83.4	84.7	87.8	118.2	82.6	109.3	110.9	85.2	85.7	91.9	91.0	85.8	105.8	92.2	93.9	85.8	97.9
歷年/秋	82.4	84.3	78.2	81.6	82.0	77.7	92.3	87.8	78.3	94.6	105.0	90.6	90.6	85.9	81.3	90.8	88.3	76.2	74.1	83.9	81.8	85.5	92.9	92.1
歷年/年	116.7	135.6	113.0	98.5	96.0	101.1	111.6	106.3	99.6	99.1	118.2	100.6	109.3	110.9	99.6	119.2	105.9	95.3	96.6	109.5	92.2	93.9	115.8	114.4

單位: cm/s

表5.1.6a 2009年基隆港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12	17.	16.	18.	17.	15.	15.	12.	14.	17.	18.	19.	19.	24.	24.	27.	20.	18.	20.	17.	16.	14.	19.	17.	13.	14.	19.	14.	15.	21.	23.	25.
2009/01	19.	20.	17.	16.	16.	14.	16.	18.	20.	22.	21.	24.	24.	25.	25.	20.	16.	15.	14.	15.	13.	15.	19.	22.	16.	18.	21.	17.	19.	21.	19.
2009/02	19.	16.	16.	13.	13.	17.	18.	18.	17.	22.	22.	19.	20.	19.	15.	17.	14.	12.	9.	11.	15.	13.	17.	20.	18.	22.	22.	19.			
2009/03	23.	20.	20.	18.	15.	14.	19.	19.	19.	19.	21.	20.	18.	26.	19.	16.	12.	14.	13.	10.	15.	16.	16.	20.	20.	17.	16.	23.	25.	23.	22.
2009/04	22.	15.	11.	13.	17.	22.	25.	24.	27.	26.	24.	21.	22.	16.	17.	20.	12.	14.	10.	13.	13.	14.	14.	16.	22.	17.	21.	15.	16.	17.	
2009/05	16.	16.	18.	22.	24.	20.	21.	19.	21.	23.	21.	23.	23.	18.	12.	11.	13.	12.	15.	17.	16.	21.	18.	21.	15.	15.	20.	18.	17.	16.	
2009/06	17.	15.	17.	21.	16.	14.	15.	14.	18.	19.	18.	17.	14.	9.	10.	11.	12.	17.	15.	19.	18.	23.	17.	17.	13.	17.	18.	16.	15.	14.	
2009/07	15.	14.	15.	13.	13.	15.	16.	18.	18.	15.	15.	15.	15.	14.	14.	14.	15.	13.	18.	18.	14.	22.	17.	16.	13.	15.	15.	13.	13.	14.	12.
2009/08	9.	10.	14.	16.	18.	27.	23.	14.	26.	19.	13.	18.	19.	14.	14.	14.	12.	17.	18.	15.	15.	17.	17.	15.	17.	15.	13.	11.	11.	11.	11.
2009/09	10.	10.	14.	13.	14.	15.	15.	17.	18.	15.	12.	13.	14.	15.	15.	19.	14.	12.	14.	17.	11.	14.	14.	12.	11.	9.	8.	9.	14.	12.	
2009/10	24.	25.	19.	19.	15.	17.	19.	14.	14.	13.	15.	16.	15.	21.	18.	16.	20.	20.	22.	21.	20.	18.	18.	17.	20.	13.	9.	10.	16.	18.	19.
2009/11	19.	26.	25.	15.	21.	24.	23.	22.	22.	23.	22.	18.	22.	25.	16.	18.	26.	27.	19.	20.	16.	17.	14.	14.	10.	9.	11.	21.	21.	18.	
2009/冬	18.	17.	17.	15.	15.	15.	15.	17.	18.	20.	21.	21.	23.	23.	23.	19.	16.	16.	13.	14.	14.	16.	18.	18.	16.	20.	19.	17.	20.	22.	22.
2009/春	20.	17.	16.	18.	19.	19.	22.	21.	22.	23.	22.	21.	21.	20.	16.	16.	12.	13.	12.	13.	14.	17.	16.	19.	19.	17.	19.	19.	19.	19.	22.
2009/夏	14.	13.	15.	17.	16.	19.	18.	15.	21.	18.	16.	17.	15.	12.	13.	13.	13.	16.	17.	17.	15.	21.	17.	16.	14.	16.	15.	13.	13.	13.	11.
2009/秋	17.	20.	19.	16.	16.	19.	19.	18.	18.	17.	16.	16.	17.	20.	16.	18.	20.	20.	19.	19.	16.	17.	15.	14.	14.	11.	10.	13.	17.	16.	19.
2009/年	17.	17.	17.	16.	16.	18.	18.	18.	20.	19.	19.	19.	19.	19.	17.	16.	15.	16.	15.	16.	15.	18.	17.	17.	16.	16.	16.	16.	17.	17.	18.

單位: cm/s

表5.1.6b　歷年基隆港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/12	23.	25.	24.	24.	26.	29.	30.	30.	32.	32.	29.	27.	30.	30.	29.	26.	29.	29.	28.	23.	27.	28.	26.	27.	29.	29.	28.	29.	28.	29.	29.
歷年/01	29.	30.	30.	31.	31.	32.	31.	34.	32.	31.	29.	30.	31.	29.	30.	29.	28.	30.	27.	29.	28.	31.	29.	28.	28.	29.	29.	28.	29.	30.	28.
歷年/02	29.	29.	26.	27.	28.	29.	31.	29.	31.	32.	30.	31.	29.	30.	29.	28.	29.	29.	27.	25.	28.	31.	29.	31.	31.	31.	30.	28.	23.		
歷年/03	29.	30.	29.	32.	31.	31.	32.	29.	27.	29.	29.	30.	31.	31.	29.	31.	28.	28.	27.	29.	29.	29.	26.	27.	28.	31.	30.	32.	30.	30.	28.
歷年/04	29.	27.	26.	28.	25.	26.	27.	30.	30.	29.	26.	24.	24.	25.	28.	27.	29.	30.	26.	26.	26.	28.	31.	30.	28.	29.	27.	29.	29.	27.	
歷年/05	29.	29.	28.	28.	30.	28.	29.	26.	29.	27.	28.	28.	29.	28.	27.	28.	26.	26.	28.	27.	28.	29.	29.	27.	26.	25.	24.	25.	29.	27.	31.
歷年/06	28.	27.	29.	26.	27.	25.	27.	29.	28.	27.	27.	29.	27.	25.	27.	26.	25.	30.	26.	26.	26.	26.	25.	25.	26.	27.	25.	26.	26.	28.	
歷年/07	29.	28.	28.	25.	26.	26.	28.	31.	35.	27.	25.	27.	29.	29.	28.	28.	25.	24.	29.	30.	27.	27.	27.	27.	27.	27.	25.	26.	27.	26.	25.
歷年/08	28.	29.	27.	27.	28.	31.	28.	26.	28.	27.	28.	27.	30.	29.	27.	26.	27.	25.	27.	25.	25.	25.	25.	28.	26.	26.	26.	25.	25.	26.	26.
歷年/09	24.	24.	24.	23.	25.	25.	24.	25.	25.	25.	27.	28.	31.	25.	26.	27.	25.	25.	24.	24.	25.	23.	22.	23.	23.	23.	23.	22.	23.	25.	
歷年/10	26.	23.	23.	25.	24.	25.	25.	23.	23.	22.	23.	24.	25.	26.	27.	26.	25.	24.	23.	23.	24.	22.	25.	25.	25.	26.	24.	23.	24.	23.	22.
歷年/11	24.	23.	25.	23.	23.	24.	21.	22.	25.	25.	24.	24.	25.	24.	24.	24.	23.	24.	22.	23.	21.	23.	23.	25.	25.	24.	24.	23.	22.	21.	
歷年/冬	27.	28.	27.	28.	28.	30.	31.	31.	32.	32.	30.	29.	30.	29.	29.	28.	29.	29.	27.	26.	27.	30.	28.	28.	29.	30.	29.	29.	28.	30.	29.
歷年/春	29.	29.	28.	29.	29.	28.	29.	28.	29.	28.	28.	27.	27.	28.	28.	29.	28.	28.	27.	27.	27.	29.	29.	28.	27.	28.	27.	29.	29.	28.	29.
歷年/夏	28.	28.	28.	26.	27.	27.	28.	29.	30.	27.	27.	28.	29.	28.	27.	27.	26.	26.	27.	27.	26.	26.	26.	27.	26.	26.	25.	26.	26.	27.	26.
歷年/秋	25.	23.	24.	24.	24.	25.	23.	23.	24.	24.	24.	25.	26.	25.	26.	26.	24.	24.	23.	23.	23.	23.	24.	24.	25.	24.	24.	23.	23.	23.	22.
歷年/年	27.	27.	27.	27.	27.	28.	28.	28.	29.	27.	27.	27.	28.	27.	27.	27.	27.	27.	26.	26.	26.	27.	26.	27.	27.	27.	26.	26.	26.	26.	27.

單位: cm/s

表5.1.7a 2009年基隆港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12	39.	33.	32.	36.	32.	35.	34.	32.	37.	39.	49.	42.	50.	50.	66.	58.	40.	47.	39.	41.	27.	32.	36.	33.	25.	46.	35.	28.	48.	68.	52.
2009/01	47.	54.	56.	42.	31.	28.	36.	44.	53.	68.	54.	58.	66.	61.	62.	59.	37.	30.	29.	31.	25.	23.	47.	54.	38.	46.	58.	38.	38.	39.	35.
2009/02	36.	31.	31.	25.	29.	48.	45.	48.	41.	50.	59.	51.	44.	39.	36.	29.	25.	23.	14.	23.	24.	26.	41.	50.	46.	68.	63.	56.			
2009/03	55.	56.	40.	49.	28.	26.	47.	51.	47.	60.	53.	50.	42.	58.	51.	37.	22.	26.	30.	23.	28.	37.	30.	64.	49.	63.	40.	58.	71.	58.	59.
2009/04	50.	45.	19.	22.	37.	58.	56.	60.	62.	65.	49.	46.	42.	47.	34.	39.	23.	43.	40.	34.	25.	26.	50.	46.	54.	42.	45.	39.	34.	53.	
2009/05	35.	34.	28.	46.	50.	44.	39.	41.	52.	46.	43.	45.	49.	42.	34.	29.	27.	24.	31.	40.	34.	49.	46.	51.	27.	37.	40.	41.	35.	37.	
2009/06	41.	39.	30.	48.	35.	31.	33.	38.	46.	47.	39.	39.	33.	23.	39.	34.	33.	34.	35.	38.	36.	61.	33.	44.	38.	47.	60.	37.	42.	29.	
2009/07	37.	42.	34.	48.	28.	31.	41.	43.	47.	39.	39.	36.	40.	39.	32.	30.	30.	35.	41.	35.	28.	47.	38.	49.	37.	34.	44.	27.	29.	26.	33.
2009/08	15.	16.	41.	35.	39.	59.	62.	28.	61.	57.	30.	37.	35.	23.	51.	31.	25.	41.	60.	51.	33.	41.	34.	35.	32.	34.	39.	24.	30.	35.	25.
2009/09	22.	19.	27.	39.	29.	39.	38.	50.	33.	35.	30.	30.	31.	34.	37.	45.	31.	30.	33.	45.	19.	43.	25.	26.	21.	19.	24.	18.	33.	25.	
2009/10	66.	66.	50.	56.	30.	53.	48.	35.	47.	34.	43.	32.	31.	47.	49.	37.	49.	38.	57.	40.	48.	50.	50.	34.	44.	28.	24.	22.	40.	39.	46.
2009/11	53.	52.	58.	52.	59.	60.	47.	51.	43.	41.	44.	42.	65.	57.	40.	41.	54.	62.	52.	45.	46.	50.	48.	31.	31.	18.	27.	44.	54.	48.	
2009/冬	47.	54.	56.	42.	32.	48.	45.	48.	53.	68.	59.	58.	66.	61.	66.	59.	40.	47.	39.	41.	27.	32.	47.	54.	46.	68.	63.	56.	48.	68.	52.
2009/春	55.	56.	40.	49.	50.	58.	56.	60.	62.	65.	53.	50.	49.	58.	51.	39.	27.	43.	40.	40.	34.	49.	50.	64.	54.	63.	45.	58.	71.	58.	59.
2009/夏	41.	42.	41.	48.	39.	59.	62.	43.	61.	57.	39.	39.	40.	39.	51.	34.	33.	41.	60.	51.	36.	61.	38.	49.	38.	47.	60.	37.	42.	35.	33.
2009/秋	66.	66.	58.	56.	59.	60.	48.	51.	47.	41.	44.	42.	65.	57.	49.	45.	54.	62.	57.	45.	48.	50.	50.	34.	44.	28.	27.	44.	54.	48.	46.
2009/年	66.	66.	58.	56.	59.	60.	62.	60.	62.	68.	59.	58.	66.	61.	66.	59.	54.	62.	60.	51.	48.	61.	50.	64.	54.	68.	63.	58.	71.	68.	59.

單位: cm/s

表5.1.7b　歷年基隆港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/12	70.	88.	81.	75.	104.	116.	94.	96.	106.	114.	101.	94.	106.	97.	93.	101.	94.	90.	78.	69.	84.	92.	78.	93.	84.	81.	84.	85.	78.	94.	85.
歷年/01	89.	94.	85.	87.	78.	85.	106.	83.	90.	84.	69.	78.	86.	76.	73.	73.	72.	75.	66.	76.	84.	99.	77.	87.	76.	119.	83.	106.	93.	77.	93.
歷年/02	79.	92.	75.	63.	67.	74.	79.	93.	99.	88.	82.	72.	74.	78.	88.	70.	83.	82.	82.	66.	81.	97.	84.	100.	79.	89.	78.	86.	41.		
歷年/03	71.	89.	85.	93.	74.	98.	83.	73.	74.	92.	94.	93.	86.	87.	71.	91.	85.	84.	110.	76.	65.	78.	91.	83.	81.	94.	73.	85.	95.	105.	92.
歷年/04	81.	68.	79.	97.	76.	83.	81.	83.	100.	81.	87.	72.	82.	88.	71.	75.	87.	87.	75.	81.	79.	84.	92.	79.	73.	91.	83.	83.	100.	82.	
歷年/05	76.	81.	66.	71.	67.	76.	96.	72.	83.	90.	72.	93.	68.	66.	77.	78.	81.	69.	69.	72.	70.	71.	73.	82.	85.	68.	72.	78.	67.	80.	71.
歷年/06	69.	77.	77.	71.	73.	70.	66.	68.	62.	72.	80.	77.	75.	80.	79.	68.	80.	79.	71.	68.	82.	84.	92.	84.	66.	88.	94.	77.	80.	92.	
歷年/07	71.	89.	91.	106.	88.	94.	89.	136.	122.	82.	80.	86.	93.	93.	80.	93.	71.	80.	86.	86.	81.	86.	83.	80.	84.	81.	78.	86.	78.	86.	85.
歷年/08	79.	83.	81.	78.	97.	92.	83.	96.	96.	92.	81.	83.	86.	82.	69.	85.	118.	75.	92.	76.	72.	82.	76.	83.	78.	74.	76.	66.	72.	72.	70.
歷年/09	74.	66.	78.	76.	93.	76.	78.	70.	88.	73.	88.	81.	86.	82.	84.	84.	74.	91.	67.	78.	69.	71.	77.	62.	72.	69.	76.	66.	74.	85.	
歷年/10	75.	78.	71.	88.	68.	80.	64.	70.	88.	74.	69.	93.	81.	73.	95.	86.	77.	91.	91.	82.	78.	71.	77.	88.	80.	81.	74.	79.	70.	72.	79.
歷年/11	86.	92.	79.	68.	82.	92.	68.	86.	80.	80.	87.	87.	84.	89.	88.	82.	61.	62.	63.	74.	72.	78.	73.	83.	88.	78.	80.	82.	63.	105.	
歷年/冬	89.	94.	85.	87.	104.	116.	106.	96.	106.	114.	101.	94.	106.	97.	93.	101.	94.	90.	82.	76.	84.	99.	84.	100.	84.	119.	84.	106.	93.	94.	93.
歷年/春	81.	89.	85.	97.	76.	98.	96.	83.	100.	92.	94.	93.	86.	88.	77.	91.	87.	87.	110.	81.	79.	84.	92.	83.	85.	94.	83.	85.	100.	105.	92.
歷年/夏	79.	89.	91.	106.	97.	94.	89.	136.	122.	92.	81.	86.	93.	93.	80.	93.	118.	80.	92.	86.	82.	86.	92.	84.	84.	88.	94.	86.	80.	92.	85.
歷年/秋	86.	92.	79.	88.	93.	92.	78.	86.	88.	80.	88.	93.	86.	89.	95.	86.	77.	91.	91.	82.	78.	78.	77.	88.	88.	81.	80.	82.	74.	105.	79.
歷年/年	89.	94.	91.	106.	104.	116.	106.	136.	122.	114.	101.	94.	106.	97.	95.	101.	118.	91.	110.	86.	84.	99.	92.	100.	88.	119.	94.	106.	100.	105.	93.

單位: cm/s

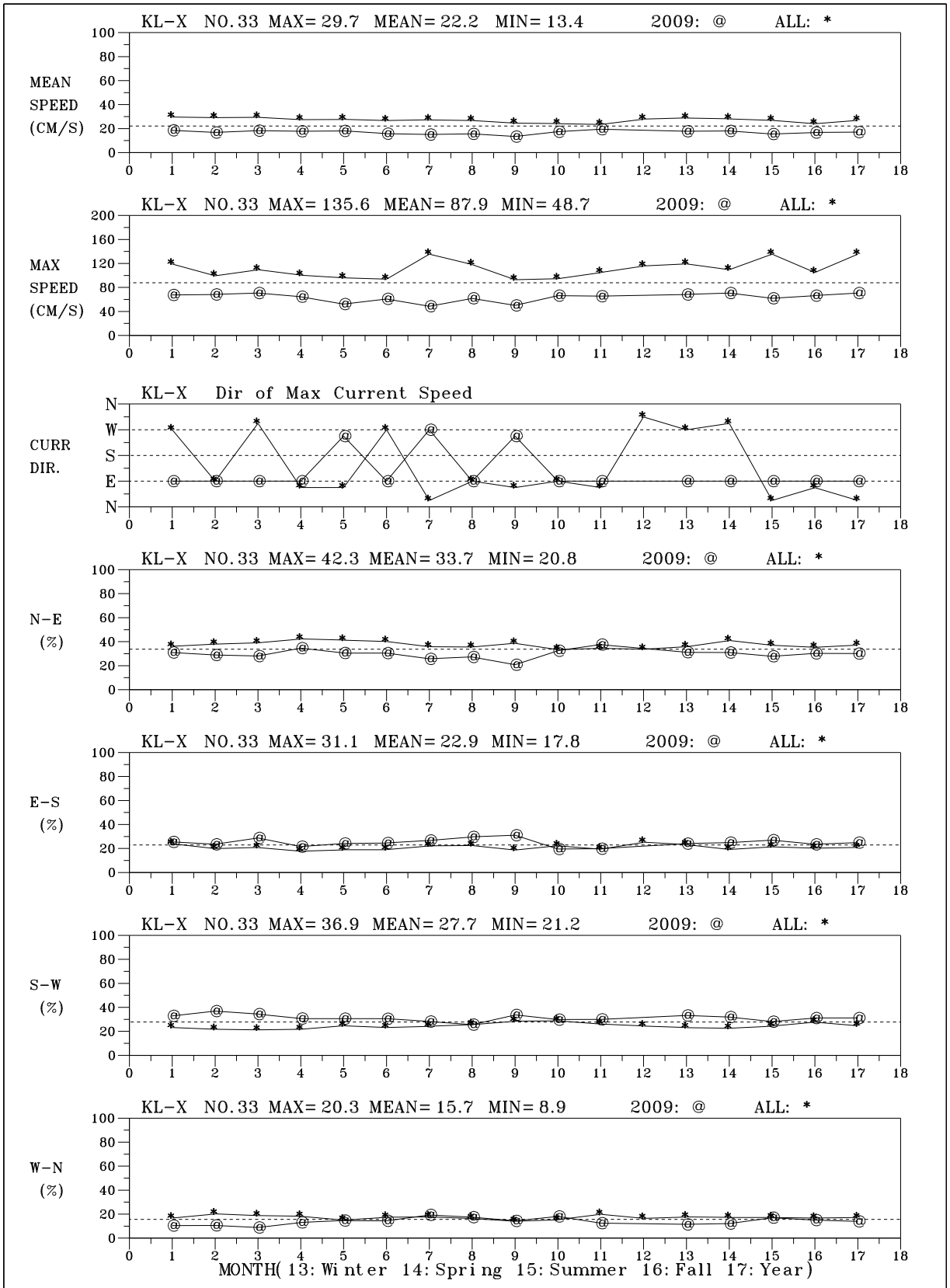


圖5.1.1 基隆港 A 站2009及歷年月季海流統計圖

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PLQC2A1.BAT(PLQCU2A1.FOR) 2010.11.9

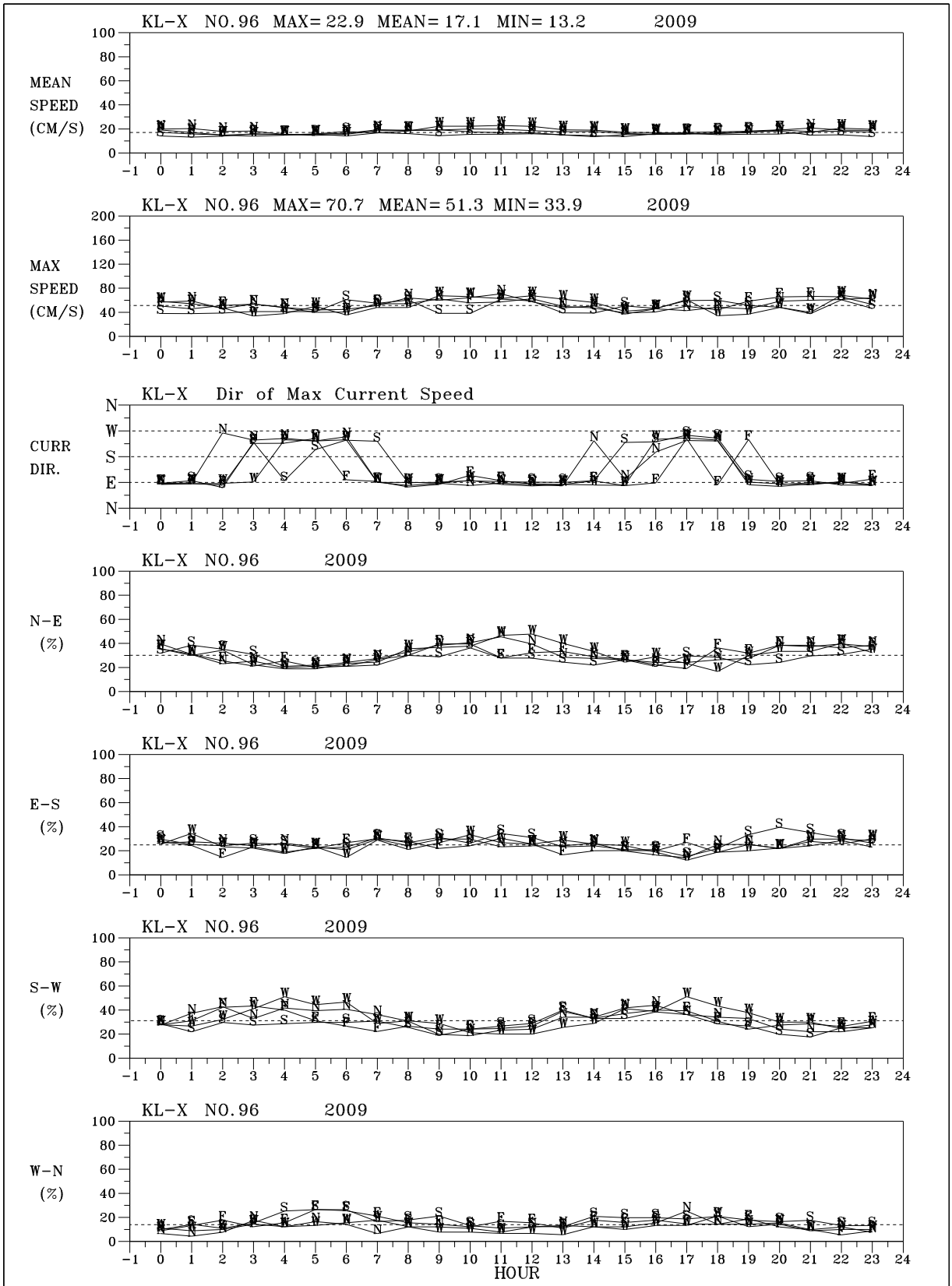


圖5.1.2 基隆港 A 站2009年四季24時海流統計圖

C090KLX0.1HA	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010.11.9

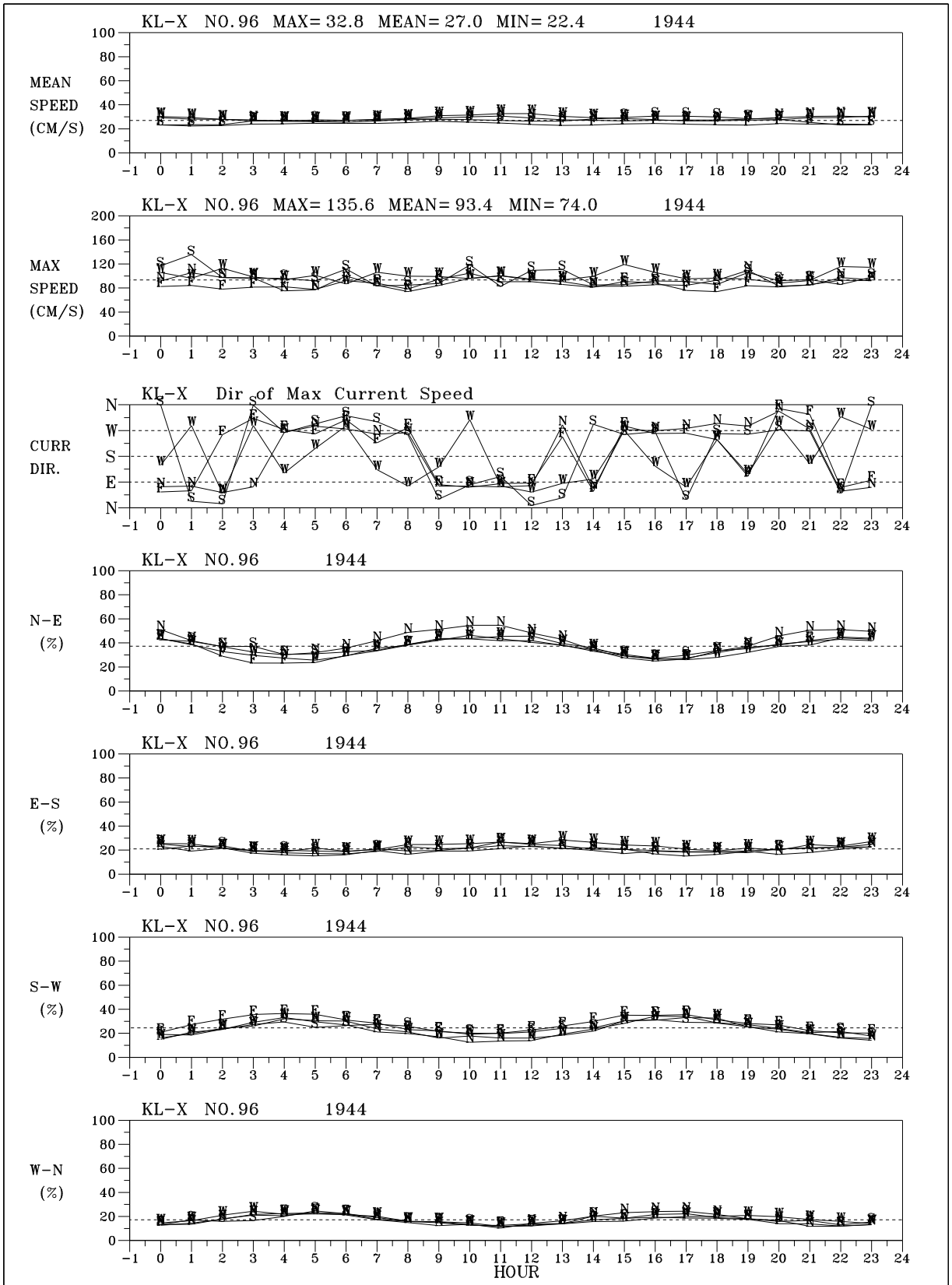


圖5.1.3 基隆港 A 站歷年四季24時海流統計量圖

C440KLX0.1HY	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 11. 9

5.2　2009年臺北港海流重要參數統計表及統計圖

表5.2.1a 2009年臺北港測站 X 觀測流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	712(96%)	40.9	94.9 /NW	2.1 /WNW	27.7	35.3	37.1	.0	45.2	3.8	45.4	5.6
2	**2009/01**	685(92%)	41.2	107.1 /NE	1.1 /WSW	26.1	38.8	34.7	.3	45.5	5.3	46.1	3.1
3	**2009/02**	648(96%)	41.4	109.2 /ENE	1.9 / NE	28.1	35.0	36.6	.3	46.0	4.3	46.9	2.8
4	**2009/03**	742(100%)	41.4	103.2 /ENE	2.7 / NE	28.7	33.3	37.6	.4	46.8	5.8	44.3	3.1
5	**2009/04**	398(55%)	39.2	94.4 /NE	3.0 / NE	29.1	37.7	33.2	.0	47.7	4.5	46.2	1.5
6	**2009/05**	591(79%)	34.5	94.6 /ENE	.7 / NE	37.7	36.9	25.4	.0	47.5	4.1	45.7	2.7
7	**2009/06**	706(98%)	33.8	103.6 /ENE	4.1 / NE	36.8	43.2	19.5	.4	49.0	4.7	41.5	4.8
8	**2009/07**	741(100%)	37.4	116.2 /NE	5.2 /NNE	33.6	37.4	28.1	.9	50.2	3.2	42.6	3.9
9	**2009/08**	422(57%)	38.6	111.3 /WSW	5.2 / W	30.6	42.4	26.1	.9	40.3	3.8	47.6	8.3
10	**2009/09**	479(67%)	36.4	98.0 /SW	5.5 /WSW	34.0	36.7	29.2	.0	43.4	2.3	50.3	4.0
11	**2009/10**	635(85%)	43.4	108.2 /SW	6.4 / W	25.4	33.5	40.9	.2	42.2	3.1	46.9	7.7
12	**2009/11**	705(98%)	42.8	103.7 /ENE	3.9 / W	25.0	34.3	40.4	.3	45.0	3.1	47.4	4.5
13	**2009**/冬	2045(95%)	41.2	109.2 /ENE	.7 / NW	27.3	36.4	36.1	.2	45.6	4.4	46.1	3.9
14	**2009**/春	1731(78%)	38.6	103.2 /ENE	2.1 / NE	31.9	35.5	32.4	.2	47.3	4.9	45.2	2.6
15	**2009**/夏	1869(85%)	36.3	116.2 /NE	3.3 /NNE	34.1	40.7	24.4	.7	47.5	3.9	43.3	5.2
16	**2009**/秋	1819(83%)	41.3	108.2 /SW	5.1 / W	27.5	34.7	37.7	.2	43.6	2.9	48.0	5.5
17	**2009**/年	7464(85%)	39.4	116.2 /NE	1.5 / NW	30.1	36.9	32.7	.3	46.0	4.0	45.7	4.3

表5.2.1b　歷年臺北港測站 X 觀測流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	6118(75%)	36.6	112.5 /E	2.3 /NNE	32.0	43.1	24.7	.2	44.2	8.6	43.2	4.1
2	歷年/02	5912(79%)	39.1	109.2 /ENE	3.8 / N	29.2	39.4	31.3	.1	45.8	6.5	43.9	3.8
3	歷年/03	5653(76%)	39.2	125.4 /NE	4.3 / NE	30.4	38.0	31.3	.3	46.0	7.2	44.0	2.8
4	歷年/04	6646(77%)	37.6	134.5 /NE	6.8 / NE	30.8	41.4	27.6	.2	48.6	6.9	42.2	2.4
5	歷年/05	6192(83%)	35.0	122.6 /ENE	6.3 / NE	34.4	42.2	23.1	.2	48.6	7.3	41.3	2.8
6	歷年/06	5736(80%)	32.1	113.2 /ENE	6.3 / NE	39.2	44.1	16.7	.1	47.1	10.0	36.5	6.4
7	歷年/07	7039(79%)	34.5	116.4 /ENE	5.0 / NE	36.2	42.3	21.2	.4	47.7	8.0	40.6	3.8
8	歷年/08	7622(79%)	34.5	130.9 /NE	3.8 /ENE	35.7	42.9	21.2	.2	44.0	10.6	38.2	7.2
9	歷年/09	7193(71%)	38.1	158.4 /W	3.4 / NE	30.6	40.3	28.8	.4	45.4	7.8	42.0	4.9
10	歷年/10	5112(69%)	39.9	112.6 /ENE	.3 /NNE	29.0	37.9	33.0	.2	42.5	9.4	43.7	4.5
11	歷年/11	5024(63%)	42.1	126.3 /NE	3.3 / NW	24.8	37.8	37.0	.4	40.4	9.7	41.3	8.6
12	歷年/12	5353(72%)	39.1	115.0 /NE	1.6 / E	26.3	43.1	30.5	.1	43.6	9.5	44.6	2.3
13	歷年/冬	17383(75%)	38.2	115.0 /NE	2.3 /NNE	29.3	41.8	28.8	.1	44.5	8.2	43.8	3.4
14	歷年/春	18491(79%)	37.2	134.5 /NE	5.9 / NE	31.9	40.6	27.3	.2	47.8	7.1	42.4	2.6
15	歷年/夏	20397(79%)	33.8	130.9 /NE	4.8 /ENE	36.8	43.0	19.9	.2	46.1	9.5	38.5	5.8
16	歷年/秋	17329(68%)	39.8	158.4 /W	1.8 /NNE	28.4	38.8	32.4	.3	43.1	8.8	42.3	5.8
17	歷年/年	73600(75%)	37.1	158.4 /W	3.6 / NE	31.8	41.2	26.8	.2	45.5	8.4	41.7	4.5

表5.2.1c 2009年臺北港測站 X 潮流流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	744(100%)	35.7	90.6 /NE	.0 / E	32.0	45.3	22.7	.0	47.6	2.4	47.3	2.7
2	**2009/01**	744(100%)	35.9	86.2 /SW	.1 / NE	31.9	43.3	24.9	.0	47.2	2.6	47.6	2.7
3	**2009/02**	672(100%)	37.7	95.3 /WSW	.1 / SW	33.3	37.5	29.2	.0	48.2	2.1	47.8	1.9
4	**2009/03**	744(100%)	38.7	88.7 /SW	.1 / NE	31.2	37.4	31.5	.0	46.6	3.4	46.8	3.2
5	**2009/04**	408(57%)	36.1	83.9 /WSW	.3 /ENE	34.6	39.0	26.5	.0	47.8	1.7	48.3	2.2
6	**2009/05**	594(80%)	32.0	72.5 /WSW	.1 /ENE	35.0	48.0	17.0	.0	48.7	2.2	47.8	1.3
7	**2009/06**	720(100%)	30.6	73.8 /WSW	.0 / E	37.6	49.7	12.6	.0	47.4	2.5	47.2	2.9
8	**2009/07**	744(100%)	35.1	91.0 /WSW	.0 /WSW	33.3	45.2	21.5	.0	47.3	2.3	46.9	3.5
9	**2009/08**	424(57%)	34.5	77.1 /WSW	.2 / NE	32.8	47.4	19.8	.0	45.3	5.2	45.3	4.2
10	**2009/09**	481(67%)	33.5	81.4 /SW	.1 / E	37.0	41.4	21.6	.0	47.6	1.7	48.4	2.3
11	**2009/10**	637(86%)	40.0	87.8 /ENE	.1 /NNE	29.4	36.1	34.5	.0	46.2	3.9	45.7	4.2
12	**2009/11**	712(99%)	39.8	84.0 /ENE	.1 / NE	27.9	37.6	34.4	.0	46.8	3.7	46.6	2.9
13	**2009**/冬	2160(100%)	36.4	95.3 /WSW	.0 /SSW	32.4	42.2	25.5	.0	47.6	2.4	47.5	2.5
14	**2009**/春	1746(79%)	35.8	88.7 /SW	.1 /ENE	33.3	41.4	25.4	.0	47.6	2.6	47.5	2.3
15	**2009**/夏	1888(86%)	33.2	91.0 /WSW	.0 / NE	34.9	47.4	17.7	.0	46.9	3.0	46.7	3.4
16	**2009**/秋	1830(84%)	38.2	87.8 /ENE	.1 / NE	30.8	38.1	31.1	.0	46.8	3.2	46.8	3.2
17	**2009**/年	7624(87%)	35.9	95.3 /WSW	.1 /ENE	32.8	42.3	24.9	.0	47.2	2.8	47.1	2.9

表5.2.1d　歷年臺北港測站 X 潮流流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	6234(76%)	31.8	92.6 /WSW	.0 / SE	39.6	42.0	18.4	.0	47.5	2.5	47.1	2.8
2	歷年/02	6202(83%)	34.5	100.3 /NE	.1 /ENE	35.6	41.3	23.1	.0	47.6	2.5	47.6	2.3
3	歷年/03	6712(90%)	30.3	93.8 /SW	.1 /WSW	46.4	35.4	18.1	.0	48.2	1.7	48.1	2.0
4	歷年/04	7028(81%)	32.9	95.8 /SW	.0 / SW	38.3	41.3	20.4	.0	48.1	1.8	48.3	1.8
5	歷年/05	6383(86%)	30.7	79.9 /SW	.0 / SW	39.3	46.0	14.7	.0	48.8	1.4	48.6	1.2
6	歷年/06	6191(86%)	26.1	73.8 /WSW	.0 /WSW	49.0	44.4	6.6	.0	48.0	1.9	48.3	1.8
7	歷年/07	7297(82%)	30.9	91.5 /SW	.0 / NW	38.6	47.4	14.0	.0	48.0	1.9	48.2	1.9
8	歷年/08	8189(85%)	26.6	88.0 /NE	.0 /NNE	50.9	38.7	10.4	.0	46.7	3.1	46.8	3.4
9	歷年/09	7668(76%)	30.8	97.9 /ENE	.0 / E	42.5	41.0	16.5	.0	46.3	3.5	46.5	3.7
10	歷年/10	5533(74%)	33.5	93.4 /NE	.0 /ENE	39.9	37.5	22.6	.0	47.6	2.7	47.2	2.5
11	歷年/11	5378(68%)	30.8	90.9 /WSW	.1 / E	43.5	38.5	18.1	.0	47.6	2.7	47.1	2.7
12	歷年/12	5997(81%)	31.2	90.6 /NE	.0 /WNW	40.6	43.1	16.3	.0	47.2	2.9	47.3	2.6
13	歷年/冬	18433(80%)	32.5	100.3 /NE	.0 / NE	38.6	42.1	19.3	.0	47.4	2.6	47.3	2.6
14	歷年/春	20123(86%)	31.3	95.8 /SW	.0 / SW	41.3	40.8	17.8	.0	48.4	1.6	48.3	1.6
15	歷年/夏	21677(84%)	27.9	91.5 /SW	.0 /WNW	46.2	43.3	10.5	.0	47.5	2.4	47.7	2.4
16	歷年/秋	18579(73%)	31.6	97.9 /ENE	.0 /ENE	42.0	39.2	18.8	.0	47.1	3.1	46.9	3.0
17	歷年/年	78812(81%)	30.7	100.3 /NE	.0 / E	42.2	41.4	16.4	.0	47.6	2.4	47.6	2.4

表5.2.1e 2009年臺北港測站 X 非潮流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	712(96%)	14.4	89.9 /NNW	2.1 /WNW	87.2	9.8	2.9	.0	33.1	14.2	35.5	17.1
2	**2009/01**	685(92%)	11.8	54.1 /W	.8 /NNE	90.8	8.9	.3	.0	38.5	11.8	33.7	15.9
3	**2009/02**	648(96%)	12.7	53.3 /W	2.6 / NE	92.1	7.4	.5	.0	44.8	14.4	25.3	15.6
4	**2009/03**	742(100%)	12.5	71.1 /W	2.6 / NE	91.6	8.1	.3	.0	42.2	15.0	22.6	20.2
5	**2009/04**	398(55%)	11.4	54.0 /W	3.1 / NE	95.5	4.0	.5	.0	43.7	13.6	19.8	22.9
6	**2009/05**	591(79%)	14.1	49.1 /W	.6 / NE	86.5	13.5	.0	.0	43.3	11.2	34.0	11.5
7	**2009/06**	706(98%)	14.3	50.2 /E	4.0 /NNE	87.0	12.9	.1	.0	49.0	7.1	25.6	18.3
8	**2009/07**	742(100%)	14.6	45.1 /ENE	5.3 /NNE	86.9	13.1	.0	.0	52.4	6.9	22.6	18.1
9	**2009/08**	422(57%)	16.3	93.9 /W	5.4 / W	81.8	15.9	2.4	.0	28.4	9.5	38.6	23.5
10	**2009/09**	479(67%)	12.3	61.4 /W	5.4 /WSW	91.6	7.7	.6	.0	21.3	12.3	46.6	19.8
11	**2009/10**	635(85%)	14.4	86.2 /W	6.5 / W	86.6	11.7	1.7	.0	24.7	8.2	43.0	24.1
12	**2009/11**	705(98%)	12.8	83.1 /W	3.8 / W	89.6	9.4	1.0	.0	30.5	9.5	36.9	23.1
13	**2009**/冬	2045(95%)	13.0	89.9 /NNW	1.1 / N	90.0	8.8	1.3	.0	38.6	13.4	31.7	16.2
14	**2009**/春	1731(78%)	12.8	71.1 /W	2.0 / NE	90.8	9.0	.2	.0	42.9	13.3	25.9	17.9
15	**2009**/夏	1870(85%)	14.9	93.9 /W	3.2 /NNE	85.8	13.6	.6	.0	45.7	7.5	27.4	19.4
16	**2009**/秋	1819(83%)	13.2	86.2 /W	5.1 / W	89.1	9.7	1.2	.0	26.1	9.8	41.6	22.6
17	**2009**/年	7465(85%)	13.5	93.9 /W	1.6 /NNW	88.9	10.3	.8	.0	38.3	11.1	31.7	18.9

表5.2.1f 歷年臺北港測站 X 非潮流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	6118(75%)	14.3	110.7 /NE	2.4 /NNE	88.0	10.7	1.3	.0	40.2	13.9	22.9	23.0
2	歷年/02	5912(79%)	14.0	89.2 /NW	3.8 / N	89.5	9.4	1.1	.0	42.7	12.8	17.4	27.1
3	歷年/03	5653(76%)	15.5	93.6 /NE	4.4 / NE	84.3	14.2	1.6	.0	45.5	14.9	21.2	18.4
4	歷年/04	6646(77%)	13.7	104.7 /WNW	6.9 / NE	90.6	9.0	.4	.0	54.1	13.5	13.2	19.2
5	歷年/05	6192(83%)	14.1	90.5 /NE	6.3 / NE	88.0	11.3	.7	.0	54.9	13.9	15.7	15.5
6	歷年/06	5736(80%)	15.9	71.0 /NE	6.4 / NE	82.9	16.5	.6	.0	50.4	18.5	13.7	17.4
7	歷年/07	7041(79%)	13.7	81.3 /WNW	4.9 / NE	89.3	10.4	.3	.0	51.2	14.9	18.6	15.3
8	歷年/08	7622(79%)	17.5	133.0 /ENE	3.8 / E	79.1	18.4	2.4	.1	38.6	21.0	25.4	15.0
9	歷年/09	7193(71%)	17.5	131.4 /WNW	3.4 / NE	79.5	17.8	2.8	.0	44.0	14.2	23.4	18.4
10	歷年/10	5112(69%)	15.6	103.6 /NE	.3 /NNE	84.6	14.2	1.1	.0	34.2	17.5	31.6	16.7
11	歷年/11	5024(63%)	21.9	107.7 /NW	3.4 / NW	68.7	22.2	9.0	.1	32.1	18.6	30.3	18.9
12	歷年/12	5353(72%)	15.7	89.9 /NNW	1.6 / E	84.0	14.0	2.0	.0	36.2	19.7	29.1	15.0
13	歷年/冬	17383(75%)	14.6	110.7 /NE	2.3 /NNE	87.3	11.3	1.4	.0	39.8	15.3	22.9	21.9
14	歷年/春	18491(79%)	14.4	104.7 /WNW	5.9 / NE	87.8	11.3	.8	.0	51.7	14.1	16.5	17.7
15	歷年/夏	20399(79%)	15.7	133.0 /ENE	4.8 /ENE	83.7	15.1	1.2	.0	46.3	18.2	19.8	15.8
16	歷年/秋	17329(68%)	18.2	131.4 /WNW	1.8 /NNE	77.9	18.0	4.1	.1	37.7	16.5	27.8	18.1
17	歷年/年	73602(75%)	15.7	133.0 /ENE	3.6 / NE	84.2	13.9	1.8	.0	44.1	16.1	21.6	18.3

表5.2.1g 2009年臺北港測站 X48時平均流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	697(94%)	6.5	37.0 /N	1.6 /WNW	96.7	3.3	.0	.0	41.6	13.1	34.1	11.2
2	**2009/01**	697(94%)	5.7	19.0 /WSW	1.0 /WSW	100.0	.0	.0	.0	36.3	13.5	45.9	4.3
3	**2009/02**	625(93%)	6.8	22.1 /WSW	1.6 /ENE	100.0	.0	.0	.0	67.2	2.2	29.3	1.3
4	**2009/03**	697(94%)	5.6	17.8 /WSW	2.9 / NE	100.0	.0	.0	.0	65.7	2.7	19.1	12.5
5	**2009/04**	361(50%)	5.4	12.3 /WSW	3.8 / NE	99.7	.0	.0	.0	72.6	7.8	13.6	5.8
6	**2009/05**	547(74%)	6.2	16.8 /WSW	.8 /ENE	100.0	.0	.0	.0	49.5	4.2	41.3	4.9
7	**2009/06**	673(94%)	6.6	17.1 /NE	3.5 /NNE	100.0	.0	.0	.0	59.6	.0	19.9	20.5
8	**2009/07**	697(94%)	8.0	17.6 /NE	5.3 /NNE	99.9	.0	.0	.0	67.1	.0	13.9	18.8
9	**2009/08**	377(51%)	7.2	22.2 /W	4.8 /WNW	100.0	.0	.0	.0	27.9	.3	32.9	39.0
10	**2009/09**	434(60%)	6.6	17.5 /W	6.0 /WSW	100.0	.0	.0	.0	9.7	.7	79.0	10.6
11	**2009/10**	590(79%)	7.2	16.4 /W	6.7 / W	100.0	.0	.0	.0	4.9	.0	55.3	39.8
12	**2009/11**	665(92%)	6.7	20.0 /WSW	4.0 / W	100.0	.0	.0	.0	29.6	1.8	45.9	22.7
13	**2009**/冬	2019(94%)	6.3	37.0 /N	.5 / NW	98.9	1.1	.0	.0	47.7	9.9	36.7	5.7
14	**2009**/春	1605(73%)	5.8	17.8 /WSW	2.4 / NE	99.9	.0	.0	.0	61.7	4.4	25.4	8.4
15	**2009**/夏	1747(79%)	7.3	22.2 /W	3.3 /NNE	99.9	.0	.0	.0	55.8	.1	20.3	23.8
16	**2009**/秋	1689(77%)	6.8	20.0 /WSW	5.4 / W	100.0	.0	.0	.0	15.9	.9	57.7	25.6
17	**2009**/年	7060(81%)	6.5	37.0 /N	1.5 / NW	99.6	.3	.0	.0	45.3	4.0	35.1	15.6

表5.2.2 2009年及歷年臺北港測站 X 觀測流速分佈百分比 (%) 統計表

流速 (cm/s) 年、月	0 ～ 5	5 ～ 10	10 ～ 15	15 ～ 20	20 ～ 25	25 ～ 30	30 ～ 35	35 ～ 40	40 ～ 45	45 ～ 50	50 ～ 60	60 ～ 80	80 ～ 100	100～ 120	120～ 150	150 <	合計 (%)
2008/12	2.0	6.2	6.0	7.3	6.2	5.8	7.0	8.1	6.9	7.4	16.2	17.4	3.5	.0	.0	.0	100.
2009/01	2.8	5.7	5.1	5.4	7.2	7.2	6.9	8.0	7.7	9.1	14.5	16.8	3.5	.3	.0	.0	100.
2009/02	3.1	5.6	7.1	6.0	6.3	5.9	6.5	9.1	7.7	5.9	15.1	16.5	4.9	.3	.0	.0	100.
2009/03	2.4	6.2	5.8	7.3	7.0	7.3	5.4	7.7	5.3	7.7	15.0	18.7	3.9	.4	.0	.0	100.
2009/04	2.5	6.0	7.0	7.0	6.5	7.0	7.3	9.3	6.3	7.8	15.1	15.1	3.0	.0	.0	.0	100.
2009/05	4.4	8.5	8.6	8.5	7.8	8.6	7.3	7.1	6.4	7.4	12.0	11.8	1.5	.0	.0	.0	100.
2009/06	4.2	7.6	7.6	7.2	10.1	9.8	9.5	7.8	7.6	8.5	9.8	8.1	1.7	.4	.0	.0	100.
2009/07	3.4	7.6	7.3	8.8	6.6	8.1	7.8	7.6	7.0	6.9	11.9	13.4	2.8	.9	.0	.0	100.
2009/08	2.4	4.3	4.7	9.0	10.2	8.3	7.8	8.5	9.2	8.5	13.0	8.8	4.3	.9	.0	.0	100.
2009/09	4.0	7.9	6.3	7.7	8.1	8.4	7.7	8.4	7.3	5.0	15.0	13.2	1.0	.0	.0	.0	100.
2009/10	2.5	5.0	3.9	4.9	9.0	8.0	6.1	8.0	5.4	6.0	13.9	21.4	5.7	.2	.0	.0	100.
2009/11	2.0	6.8	5.4	5.7	5.1	6.0	5.4	7.5	7.5	7.9	16.2	21.4	2.8	.3	.0	.0	100.
2009/冬	2.6	5.8	6.1	6.3	6.6	6.3	6.8	8.4	7.4	7.5	15.3	16.9	4.0	.2	.0	.0	100.
2009/春	3.1	6.9	7.0	7.6	7.2	7.7	6.5	7.9	5.9	7.6	14.0	15.5	2.9	.2	.0	.0	100.
2009/夏	3.5	6.8	6.8	8.2	8.7	8.8	8.5	7.9	7.8	7.9	11.3	10.3	2.7	.7	.0	.0	100.
2009/秋	2.7	6.5	5.1	5.9	7.3	7.3	6.3	7.9	6.7	6.5	15.1	19.2	3.4	.2	.0	.0	100.
2009/年	3.0	6.5	6.3	7.0	7.4	7.5	7.0	8.0	7.0	7.4	13.9	15.5	3.3	.3	.0	.0	100.
歷年/**01**	3.4	5.8	7.4	7.0	8.4	8.2	9.0	9.5	8.6	7.8	11.6	10.9	2.3	.2	.0	.0	100.
歷年/**02**	2.8	6.2	6.4	6.7	7.2	7.5	7.6	8.5	8.0	7.6	14.0	14.0	3.4	.1	.0	.0	100.
歷年/**03**	3.3	5.7	6.2	7.7	7.4	7.5	7.4	7.7	7.8	7.6	13.2	14.2	3.9	.3	.0	.0	100.
歷年/**04**	2.7	6.2	6.9	7.6	7.3	7.9	7.9	8.7	8.5	8.4	13.5	11.6	2.5	.2	.0	.0	100.
歷年/**05**	3.2	7.0	8.3	7.8	8.1	8.7	8.4	8.8	8.1	8.2	12.5	9.6	1.0	.2	.0	.0	100.
歷年/**06**	2.7	7.4	9.6	9.6	9.9	9.9	10.5	8.7	7.7	7.3	9.6	6.2	.9	.1	.0	.0	100.
歷年/**07**	3.1	6.9	8.3	8.5	9.3	9.2	9.5	8.9	7.9	6.7	10.5	8.6	2.0	.4	.0	.0	100.
歷年/**08**	2.5	6.3	8.6	9.1	9.2	9.7	9.2	9.0	8.1	7.0	10.7	8.9	1.7	.2	.0	.0	100.
歷年/**09**	2.7	6.3	6.6	7.1	7.9	7.7	8.6	8.8	7.8	7.4	12.7	13.9	2.2	.3	.1	.0	100.
歷年/**10**	2.2	5.3	7.0	7.4	7.1	8.4	7.6	7.6	7.0	7.5	12.7	16.1	4.1	.2	.0	.0	100.
歷年/**11**	2.1	4.3	6.1	6.0	6.4	6.5	7.4	7.5	8.2	8.1	15.8	17.7	3.5	.3	.1	.0	100.
歷年/**12**	2.4	4.7	6.1	6.3	6.7	7.4	8.7	9.0	8.8	9.2	15.6	12.9	2.0	.1	.0	.0	100.
歷年/冬	2.9	5.6	6.7	6.7	7.5	7.7	8.4	9.0	8.5	8.2	13.6	12.6	2.6	.1	.0	.0	100.
歷年/春	3.1	6.3	7.1	7.7	7.6	8.0	7.9	8.4	8.1	8.1	13.1	11.7	2.5	.2	.0	.0	100.
歷年/夏	2.8	6.8	8.8	9.1	9.4	9.6	9.7	8.9	7.9	7.0	10.3	8.0	1.6	.2	.0	.0	100.
歷年/秋	2.4	5.4	6.6	6.9	7.2	7.5	7.9	8.0	7.7	7.6	13.6	15.7	3.1	.2	.1	.0	100.
歷年/年	2.8	6.1	7.3	7.6	8.0	8.3	8.5	8.6	8.0	7.7	12.6	11.8	2.4	.2	.0	.0	100.

表5.2.3 2009年及歷年臺北港測站 X 觀測流向分佈百分比 (%) 統計表

流向 年、月	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	合計 (%)
2008/12	1.1	1.5	20.4	20.9	2.9	.7	1.1	.6	1.3	2.5	24.4	14.9	4.2	1.5	1.0	.8	100.
2009/01	.7	.1	22.9	19.4	3.6	.3	1.0	1.9	1.9	2.8	27.0	12.4	3.8	1.3	.4	.3	100.
2009/02	.5	.5	20.4	23.9	1.5	2.0	.8	.6	1.2	2.2	24.8	15.3	5.2	.3	.5	.3	100.
2009/03	.1	.8	22.8	21.8	2.4	1.9	1.2	1.1	1.1	2.4	20.2	17.5	5.3	.9	.3	.1	100.
2009/04	.0	1.0	25.9	19.3	3.0	1.3	.3	.8	1.8	4.3	20.6	17.8	3.5	.0	.0	.5	100.
2009/05	.8	1.9	19.6	23.5	2.4	1.0	.3	1.4	1.9	4.2	21.2	16.2	4.1	.5	.3	.7	100.
2009/06	.8	2.0	27.6	16.6	3.8	1.0	1.0	.7	1.4	1.4	17.3	19.4	4.4	1.6	.3	.7	100.
2009/07	.8	1.8	25.8	20.9	2.0	.4	.7	.9	1.1	2.0	12.4	22.7	6.3	.8	.5	.8	100.
2009/08	.5	1.7	19.9	16.6	3.3	.7	.2	1.2	.7	2.1	13.3	26.5	8.3	3.8	.7	.5	100.
2009/09	1.7	1.0	23.4	16.5	2.1	.8	.8	.0	1.0	3.8	16.5	26.3	4.2	1.3	.4	.2	100.
2009/10	.6	1.4	20.6	19.2	1.6	.9	.5	.6	.8	1.6	14.0	26.1	7.6	1.9	1.1	1.4	100.
2009/11	.7	1.0	19.4	22.7	1.6	1.3	.1	1.0	.9	1.8	16.2	23.7	7.0	1.4	1.1	.1	100.
2009/冬	.8	.7	21.2	21.4	2.7	1.0	1.0	1.0	1.5	2.5	25.4	14.2	4.4	1.1	.6	.5	100.
2009/春	.3	1.2	22.4	21.8	2.5	1.4	.7	1.1	1.5	3.5	20.6	17.2	4.4	.6	.2	.4	100.
2009/夏	.7	1.8	25.1	18.3	3.0	.7	.7	.9	1.1	1.8	14.4	22.3	6.0	1.8	.5	.7	100.
2009/秋	.9	1.2	20.9	19.8	1.7	1.0	.4	.6	.9	2.3	15.5	25.2	6.4	1.5	.9	.6	100.
2009/年	.7	1.2	22.4	20.3	2.5	1.0	.7	.9	1.2	2.5	19.1	19.6	5.3	1.2	.6	.5	100.
歷年/**01**	1.0	1.7	18.8	20.5	4.7	2.4	1.6	1.4	1.6	1.9	9.3	26.3	6.3	.9	.9	.7	100.
歷年/**02**	1.2	3.9	23.3	15.4	4.1	1.7	1.3	1.0	1.4	2.2	13.1	23.8	5.8	.8	.5	.5	100.
歷年/**03**	.7	3.5	23.6	15.6	4.6	2.1	1.4	1.2	1.5	3.1	14.7	22.9	3.3	.8	.6	.3	100.
歷年/**04**	.9	3.8	24.5	17.3	4.1	2.0	1.2	1.2	1.7	3.2	13.3	22.2	3.2	.8	.4	.2	100.
歷年/**05**	.9	1.7	24.2	19.3	4.3	2.1	1.5	1.2	1.8	3.1	13.5	21.3	3.5	.8	.3	.4	100.
歷年/**06**	1.5	3.5	19.1	20.2	5.4	2.8	2.2	1.6	2.7	3.6	10.0	18.6	4.9	1.7	1.3	1.0	100.
歷年/**07**	.8	2.6	24.1	17.8	4.4	2.1	1.8	1.5	2.0	4.3	17.8	13.6	5.2	.9	.6	.5	100.
歷年/**08**	1.7	3.4	15.1	19.8	7.5	3.0	2.0	1.9	2.4	5.4	13.0	15.1	5.6	1.7	1.1	1.3	100.
歷年/**09**	1.4	4.5	19.7	16.4	6.2	2.6	1.4	1.1	1.4	2.6	14.3	21.1	4.6	1.4	.7	.7	100.
歷年/**10**	1.0	2.4	20.2	15.8	6.2	2.4	1.8	1.5	1.9	3.7	15.9	20.3	4.3	1.1	.7	.8	100.
歷年/**11**	1.3	4.1	17.7	15.0	5.0	2.6	2.2	1.6	2.1	3.2	16.5	17.9	4.9	2.5	2.1	1.5	100.
歷年/**12**	.7	3.9	20.0	15.8	5.6	2.6	2.1	1.6	2.4	3.4	17.2	21.1	2.1	.6	.4	.3	100.
歷年/冬	1.0	3.1	20.7	17.3	4.8	2.2	1.6	1.3	1.8	2.5	13.0	23.9	4.8	.8	.6	.5	100.
歷年/春	.9	3.0	24.1	17.4	4.3	2.1	1.4	1.2	1.7	3.1	13.8	22.1	3.3	.8	.4	.3	100.
歷年/夏	1.3	3.2	19.3	19.2	5.9	2.6	2.0	1.7	2.3	4.5	13.8	15.6	5.3	1.4	1.0	.9	100.
歷年/秋	1.2	3.7	19.3	15.9	5.8	2.5	1.7	1.4	1.7	3.1	15.4	19.9	4.6	1.6	1.1	.9	100.
歷年/年	1.1	3.2	20.8	17.5	5.2	2.4	1.7	1.4	1.9	3.3	14.0	20.2	4.5	1.2	.8	.7	100.

表5.2.4a 臺北港2009年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12	41.8	47.4	46.9	45.5	44.1	43.1	42.5	42.7	42.8	41.2	39.0	37.4	36.0	41.6	38.3	37.7	37.5	32.9	40.4	40.1	40.5	41.1	41.2	39.8
2009/01	40.6	43.3	46.3	50.5	45.7	46.1	44.2	44.0	38.9	37.7	37.0	34.0	34.4	35.1	38.3	44.3	43.6	41.9	41.2	42.9	43.3	40.2	38.8	40.6
2009/02	47.1	48.3	51.1	46.0	40.7	42.0	45.0	45.6	41.4	36.8	32.0	32.6	35.9	41.3	45.0	44.4	43.6	37.2	42.2	42.3	39.1	38.4	37.3	39.0
2009/03	38.6	44.2	45.2	44.9	42.9	42.3	41.0	39.3	38.6	37.3	33.9	35.3	36.1	45.4	47.0	45.9	43.5	43.0	43.1	42.9	43.6	40.7	40.0	39.7
2009/04	40.9	39.8	38.3	40.7	40.7	39.9	33.9	33.0	32.9	32.9	35.9	36.1	38.4	40.9	40.7	41.7	43.0	44.4	43.8	41.1	39.7	41.5	38.9	41.3
2009/05	35.4	35.0	32.5	31.0	28.8	27.1	28.0	28.5	29.6	29.6	29.0	33.6	40.4	40.7	41.8	37.4	39.6	39.5	40.8	42.8	40.6	33.8	30.6	32.3
2009/06	30.8	31.9	30.9	32.3	32.0	29.7	28.0	25.7	28.0	31.7	32.2	35.5	38.7	37.4	40.4	41.1	38.7	38.5	38.5	35.7	35.4	34.0	32.6	32.4
2009/07	34.9	38.2	38.3	36.8	33.8	31.0	30.6	32.4	33.8	33.9	38.5	40.1	45.6	45.3	47.1	45.7	41.7	39.1	37.6	34.2	35.2	36.2	34.6	34.8
2009/08	32.5	35.6	35.9	38.7	37.9	35.8	34.8	33.6	32.5	34.8	34.1	32.0	37.2	46.7	48.1	47.9	47.0	46.7	43.2	44.7	40.3	41.4	33.5	33.5
2009/09	37.9	37.4	29.8	29.8	34.0	36.8	35.2	37.7	35.4	36.8	38.4	41.5	43.5	40.8	41.0	38.7	36.8	36.7	36.1	33.0	32.9	31.4	34.5	37.3
2009/10	42.3	41.9	42.2	42.5	46.9	45.4	45.8	47.6	46.0	39.6	40.0	42.4	45.9	46.8	42.5	40.7	46.2	44.9	47.5	46.9	42.8	35.7	38.1	39.7
2009/11	42.3	43.9	45.1	46.2	46.6	48.0	48.3	44.2	43.6	41.2	39.9	40.7	39.2	39.9	43.4	44.5	43.1	41.1	43.6	45.2	44.8	37.0	37.6	38.3
2009/冬	43.0	46.4	48.0	47.3	43.5	43.7	43.8	44.0	41.0	38.6	36.1	34.7	35.4	39.4	40.5	42.0	41.4	37.2	41.3	41.7	41.0	40.0	39.2	39.8
2009/春	38.1	40.1	39.3	39.3	37.6	36.6	34.9	34.2	34.2	33.6	32.7	34.9	38.1	42.7	43.8	42.1	42.0	42.1	42.5	42.4	41.7	38.5	36.6	37.5
2009/夏	32.8	35.3	35.0	35.6	34.1	31.6	30.6	30.1	31.3	33.2	35.1	36.5	41.2	42.6	44.8	44.5	41.7	40.6	39.2	37.1	36.4	36.5	33.6	33.6
2009/秋	41.2	41.5	40.1	40.6	43.5	44.2	44.0	43.7	42.3	39.5	39.5	41.5	42.7	42.5	42.4	41.6	42.5	41.3	43.0	42.5	40.9	35.1	36.9	38.5
2009/年	38.8	41.0	40.8	40.9	39.8	39.1	38.5	38.2	37.3	36.3	35.9	36.8	39.2	41.7	42.8	42.6	41.9	40.2	41.4	40.9	40.0	37.6	36.7	37.4

單位: cm/s

表5.2.4b 臺北港 歷年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/**12**	41.7	42.0	41.4	41.8	42.3	43.1	42.7	41.2	38.2	36.8	38.1	38.7	38.3	37.3	36.3	36.7	37.1	37.4	37.9	36.7	36.4	37.0	39.0	41.4
歷年/**01**	40.4	40.9	40.8	39.9	38.8	37.1	37.2	36.3	34.6	34.0	33.5	33.5	35.1	35.7	36.2	35.9	33.8	34.1	35.1	36.5	36.3	36.4	36.2	38.6
歷年/**02**	42.5	44.5	45.2	42.9	40.3	41.0	41.7	41.2	38.3	34.8	32.2	32.2	35.3	38.4	40.5	40.5	39.2	38.3	39.4	39.9	38.4	36.9	36.5	38.3
歷年/**03**	41.5	43.3	43.8	40.8	39.7	39.4	39.6	37.9	35.7	33.4	32.6	35.0	37.4	41.3	42.3	41.6	39.5	39.2	40.4	40.2	39.4	37.8	38.2	40.3
歷年/**04**	39.9	41.1	39.8	38.0	36.2	35.8	35.8	35.7	33.8	31.9	32.3	34.4	38.3	41.4	41.5	39.6	38.1	38.9	39.7	40.1	38.1	37.2	36.5	38.2
歷年/**05**	35.5	35.2	34.0	32.3	31.8	31.6	31.7	31.9	31.6	31.1	32.2	33.6	37.2	38.7	39.6	37.7	37.4	37.7	38.2	38.1	37.2	35.4	34.8	34.6
歷年/**06**	31.0	31.2	31.7	30.5	29.0	28.1	27.5	27.5	28.1	28.8	31.2	33.4	36.1	38.3	39.4	37.6	34.7	34.3	33.8	33.9	33.1	31.9	30.5	30.0
歷年/**07**	31.3	31.8	32.7	32.6	32.6	31.4	30.6	31.0	31.5	32.0	33.3	35.3	38.1	40.1	40.8	41.1	39.6	38.1	36.9	35.6	35.2	33.2	31.5	31.4
歷年/**08**	31.8	32.4	33.4	34.7	33.8	32.6	32.1	32.3	32.3	33.0	34.1	35.5	36.8	39.1	40.6	39.3	38.0	36.9	36.4	35.2	33.5	32.2	31.1	30.9
歷年/**09**	35.9	38.6	39.7	40.0	38.8	39.0	38.1	38.8	37.6	37.4	36.9	39.0	39.9	41.6	42.0	41.6	39.4	38.8	36.9	36.5	35.3	34.4	34.0	34.5
歷年/**10**	39.5	42.2	42.2	41.1	40.4	41.1	42.2	41.9	39.5	38.5	39.5	40.7	42.3	42.9	41.7	40.1	40.0	39.6	40.3	39.3	36.6	34.4	35.3	36.9
歷年/**11**	43.6	44.0	42.5	41.3	43.7	44.6	45.0	44.8	43.5	41.7	41.7	42.1	41.5	41.3	41.5	40.4	41.5	42.2	41.3	40.3	39.6	38.1	40.7	44.1
歷年/冬	41.5	42.5	42.5	41.5	40.4	40.3	40.4	39.5	37.0	35.1	34.5	34.7	36.1	37.1	37.7	37.7	36.7	36.6	37.5	37.7	37.1	36.7	37.2	39.4
歷年/春	38.9	39.8	39.1	36.9	35.8	35.5	35.6	35.1	33.6	32.1	32.3	34.3	37.7	40.5	41.1	39.6	38.3	38.6	39.4	39.4	38.2	36.8	36.5	37.6
歷年/夏	31.4	31.9	32.7	32.8	32.0	30.9	30.3	30.5	30.9	31.5	33.0	34.8	37.0	39.2	40.3	39.4	37.6	36.5	35.8	35.0	34.0	32.5	31.1	30.9
歷年/秋	39.2	41.2	41.3	40.7	40.7	41.3	41.3	41.5	39.9	38.9	39.1	40.4	41.1	41.9	41.8	40.8	40.2	40.0	39.2	38.4	36.9	35.5	36.3	38.0
歷年/年	37.5	38.6	38.6	37.8	37.0	36.7	36.6	36.3	35.1	34.3	34.6	36.0	37.9	39.6	40.2	39.4	38.2	37.9	37.9	37.6	36.5	35.3	35.1	36.3

單位: cm/s

表5.2.5a 臺北港2009年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12	92.8	94.2	88.6	86.1	87.3	81.6	80.3	83.4	81.3	79.2	74.3	76.5	69.8	78.5	69.0	69.9	72.1	81.5	70.6	79.6	74.4	71.7	94.9	83.8
2009/01	87.3	105.7	96.5	107.1	88.4	90.2	82.2	86.3	78.8	81.0	78.1	66.2	65.7	73.2	80.8	81.5	76.5	80.4	78.6	78.7	71.1	76.6	72.4	71.9
2009/02	99.7	95.6	109.2	93.9	99.3	86.3	86.2	84.9	84.6	77.4	68.6	66.6	71.4	68.7	83.1	92.4	100.3	91.7	83.9	74.0	79.4	72.3	69.6	83.6
2009/03	88.6	101.1	95.0	97.2	72.0	80.4	70.2	68.5	81.7	72.2	72.3	79.7	76.5	91.6	102.8	103.2	82.3	77.2	81.2	75.9	78.0	77.0	67.9	85.6
2009/04	94.4	83.6	82.1	79.6	72.3	65.1	62.9	66.9	56.6	58.0	60.1	71.1	81.9	89.3	89.5	82.5	72.7	62.1	76.6	75.5	76.1	65.4	69.8	77.8
2009/05	67.0	62.7	62.9	71.0	56.8	51.3	63.0	58.3	52.6	65.3	78.1	71.5	78.8	90.5	89.6	94.6	70.8	74.7	84.4	81.0	76.4	72.1	76.9	56.1
2009/06	84.9	82.5	71.2	72.0	63.4	59.2	64.1	62.5	62.3	64.4	67.5	76.2	103.6	102.8	102.8	93.9	89.7	84.6	80.8	71.0	81.0	66.8	53.8	68.4
2009/07	75.9	84.9	84.2	81.4	74.0	70.2	72.0	69.2	70.0	72.5	71.0	90.9	99.9	114.2	108.7	116.2	99.4	86.0	73.9	85.5	86.8	84.1	63.0	63.0
2009/08	68.1	72.3	59.7	78.2	84.4	81.4	65.0	75.7	74.8	58.9	57.6	65.9	71.6	86.9	102.5	104.1	88.2	82.1	95.5	83.5	88.7	111.3	81.9	68.9
2009/09	65.1	70.9	70.9	78.2	75.0	75.2	83.9	82.9	74.3	76.3	73.8	70.8	77.9	71.3	75.3	74.8	77.8	91.1	98.0	92.2	77.3	67.9	58.9	60.1
2009/10	87.1	97.7	89.9	99.1	86.0	80.4	78.7	89.6	108.2	91.8	98.4	85.0	79.3	87.9	74.9	86.6	85.9	72.8	89.5	86.4	81.4	73.9	74.2	83.4
2009/11	93.4	100.7	103.7	92.8	78.6	81.2	87.2	85.2	88.3	81.1	75.6	69.5	77.2	89.3	98.6	85.2	75.2	72.0	79.4	83.8	75.5	67.7	77.1	78.9
2009/冬	99.7	105.7	109.2	107.1	99.3	90.2	86.2	86.3	84.6	81.0	78.1	76.5	71.4	78.5	83.1	92.4	100.3	91.7	83.9	79.6	79.4	76.6	94.9	83.8
2009/春	94.4	101.1	95.0	97.2	72.3	80.4	70.2	68.5	81.7	72.2	78.1	79.7	81.9	91.6	102.8	103.2	82.3	77.2	84.4	81.0	78.0	77.0	76.9	85.6
2009/夏	84.9	84.9	84.2	81.4	84.4	81.4	72.0	75.7	74.8	72.5	71.0	90.9	103.6	114.2	108.7	116.2	99.4	86.0	95.5	85.5	88.7	111.3	81.9	68.9
2009/秋	93.4	100.7	103.7	99.1	86.0	81.2	87.2	89.6	108.2	91.8	98.4	85.0	79.3	89.3	98.6	86.6	85.9	91.1	98.0	92.2	81.4	73.9	77.1	83.4
2009/年	99.7	105.7	109.2	107.1	99.3	90.2	87.2	89.6	108.2	91.8	98.4	90.9	103.6	114.2	108.7	116.2	100.3	91.7	98.0	92.2	88.7	111.3	94.9	85.6

單位: cm/s

表5.2.5b 臺北港 歷年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/**12**	115.0	99.7	107.1	102.7	98.1	81.6	89.7	86.2	93.9	83.9	84.0	76.5	75.8	78.5	77.7	70.9	78.1	81.5	82.8	79.6	80.9	80.8	94.9	90.6
歷年/**01**	106.1	108.3	111.9	107.1	112.5	91.5	90.1	94.2	95.2	90.5	90.6	106.5	108.0	78.4	90.4	86.4	81.0	85.8	83.4	87.1	89.8	91.0	91.6	95.3
歷年/**02**	99.7	101.3	109.2	97.1	99.3	90.5	90.1	95.4	95.1	92.2	95.4	82.4	83.6	77.8	90.5	92.4	100.3	99.1	83.9	82.5	86.0	87.0	87.4	87.9
歷年/**03**	89.7	103.5	125.4	110.2	92.1	96.3	99.4	92.0	92.7	85.5	88.4	80.5	107.3	93.1	105.8	114.6	99.5	103.2	89.7	87.0	91.3	82.8	80.3	95.3
歷年/**04**	103.3	104.4	134.5	97.2	77.5	97.5	76.8	90.9	79.7	77.4	71.3	87.8	94.8	104.0	103.7	100.8	93.0	102.7	96.5	87.2	87.3	87.6	83.6	88.6
歷年/**05**	78.3	80.2	104.8	88.4	95.6	103.0	72.4	71.1	72.0	70.0	78.1	75.9	86.4	114.4	122.6	104.6	121.8	120.4	107.0	82.5	97.9	82.2	76.9	83.1
歷年/**06**	85.4	82.5	88.3	74.2	73.2	74.8	66.8	66.3	72.3	69.9	94.6	89.6	103.6	102.8	106.3	102.6	113.2	89.7	80.8	84.5	89.1	76.6	74.1	73.2
歷年/**07**	75.9	84.9	98.9	81.4	93.1	99.9	90.9	73.7	75.0	74.4	75.4	95.6	109.2	116.4	114.3	116.2	104.3	104.4	91.5	100.2	106.4	88.1	81.3	93.9
歷年/**08**	74.9	79.3	80.5	89.1	89.2	96.8	86.5	87.1	93.3	96.8	101.4	91.2	95.7	118.9	130.9	108.4	111.5	93.0	102.9	89.7	88.7	111.3	84.8	78.2
歷年/**09**	80.3	90.5	94.7	111.5	105.9	123.2	125.1	113.7	96.1	84.3	91.0	90.3	122.7	129.5	114.4	136.1	96.4	158.4	136.6	118.1	95.8	88.8	85.7	72.7
歷年/**10**	106.6	101.1	112.6	102.8	93.0	89.0	90.9	89.6	108.2	92.6	100.4	95.8	98.3	96.9	103.1	98.1	86.7	90.2	98.4	94.0	82.5	82.8	85.6	96.3
歷年/**11**	115.9	126.3	124.0	92.8	109.0	100.0	120.6	99.5	108.6	102.7	89.1	96.5	92.0	91.7	106.8	119.4	108.3	102.5	116.2	94.8	94.8	87.5	91.2	112.5
歷年/冬	115.0	108.3	111.9	107.1	112.5	91.5	90.1	95.4	95.2	92.2	95.4	106.5	108.0	78.5	90.5	92.4	100.3	99.1	83.9	87.1	89.8	91.0	94.9	95.3
歷年/春	103.3	104.4	134.5	110.2	95.6	103.0	99.4	92.0	92.7	85.5	88.4	87.8	107.3	114.4	122.6	114.6	121.8	120.4	107.0	87.2	97.9	87.6	83.6	95.3
歷年/夏	85.4	84.9	98.9	89.1	93.1	99.9	90.9	87.1	93.3	96.8	101.4	95.6	109.2	118.9	130.9	116.2	113.2	104.4	102.9	100.2	106.4	111.3	84.8	93.9
歷年/秋	115.9	126.3	124.0	111.5	109.0	123.2	125.1	113.7	108.6	102.7	100.4	96.5	122.7	129.5	114.4	136.1	108.3	158.4	136.6	118.1	95.8	88.8	91.2	112.5
歷年/年	115.9	126.3	134.5	111.5	112.5	123.2	125.1	113.7	108.6	102.7	101.4	106.5	122.7	129.5	130.9	136.1	121.8	158.4	136.6	118.1	106.4	111.3	94.9	112.5

單位: cm/s

表5.2.6a 2009年臺北港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12	49.	59.	48.	30.	32.	29.	34.	35.	38.	40.	44.	47.	51.	52.	50.	48.	47.	41.	37.	26.	25.	30.	37.	36.	38.	39.	40.	44.	44.	45.	43.
2009/01	42.	40.	40.	38.	37.	35.	36.	39.	43.	49.	53.	57.	53.	51.	46.	47.	43.	30.	31.	30.	23.	30.	36.	34.	39.	44.	44.	51.	49.	50.	44.
2009/02	46.	41.	35.	37.	31.	37.	40.	49.	49.	54.	55.	55.	57.	50.	41.	33.	30.	25.	23.	28.	34.	32.	38.	36.	45.	51.	51.	50.			
2009/03	47.	44.	41.	40.	33.	32.	38.	42.	50.	52.	55.	54.	56.	48.	47.	40.	29.	27.	21.	23.	26.	33.	36.	41.	44.	46.	44.	50.	52.	48.	45.
2009/04	41.	35.	30.	28.	35.	39.	46.	50.	49.	51.	49.	42.	40.	42.	32.	30.	22.														
2009/05							45.	44.	43.	42.	43.	44.	43.	36.	36.	32.	26.	30.	30.	24.	27.	22.	27.	44.	39.	34.	40.	36.	33.	25.	22.
2009/06	20.	18.	26.	27.	31.	36.	37.	38.	37.	42.	37.	35.	33.	26.	30.	28.	24.	28.	33.	31.	33.	44.	51.	47.	40.	38.	34.	39.	37.	35.	
2009/07	31.	32.	27.	30.	30.	28.	31.	30.	33.	37.	37.	39.	38.	37.	36.	33.	33.	36.	36.	39.	44.	53.	57.	59.	58.	49.	40.	39.	29.	31.	28.
2009/08	35.	36.	31.	30.	35.	42.	49.	46.	52.	52.	50.	39.	33.	24.	33.	35.	37.	36.													
2009/09										58.	32.	30.	32.	32.	33.	38.	38.	44.	51.	51.	49.	49.	42.	39.	30.	28.	22.	27.	32.	28.	
2009/10	36.	42.	48.	51.	53.	38.	55.	48.	48.	43.	39.	34.	33.	41.	49.	47.	47.	54.	52.	54.	49.	50.	37.	34.	27.	29.	23.				
2009/11	45.	49.	48.	58.	51.	47.	45.	40.	37.	38.	40.	47.	42.	44.	48.	47.	48.	47.	48.	48.	42.	41.	38.	32.	32.	30.	29.	39.	43.	46.	
2009/冬	46.	47.	40.	35.	33.	33.	37.	41.	43.	48.	50.	53.	54.	51.	46.	44.	41.	32.	30.	28.	27.	31.	37.	36.	41.	45.	45.	49.	47.	47.	44.
2009/春	44.	39.	36.	34.	34.	36.	43.	45.	47.	48.	49.	47.	46.	42.	38.	35.	26.	28.	26.	24.	27.	27.	31.	42.	42.	40.	42.	43.	42.	37.	33.
2009/夏	29.	29.	28.	29.	32.	35.	39.	38.	41.	44.	41.	38.	35.	29.	33.	32.	31.	33.	35.	35.	38.	49.	54.	53.	49.	44.	37.	39.	33.	33.	28.
2009/秋	41.	45.	48.	54.	52.	43.	50.	44.	42.	41.	37.	37.	36.	39.	43.	44.	45.	49.	51.	51.	47.	47.	39.	35.	30.	29.	25.	33.	37.	35.	
2009/年	39.	40.	37.	37.	37.	36.	41.	42.	44.	45.	44.	43.	42.	40.	40.	38.	36.	36.	36.	35.	35.	39.	40.	40.	39.	39.	37.	42.	40.	38.	36.

單位: cm/s

表5.2.6b　歷年臺北港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/12	43.	44.	38.	37.	38.	39.	39.	39.	39.	37.	39.	41.	41.	41.	39.	38.	36.	34.	34.	35.	38.	38.	39.	39.	41.	42.	41.	41.	42.	43.	41.
歷年/01	35.	31.	33.	31.	31.	34.	36.	37.	39.	40.	40.	41.	38.	39.	38.	37.	36.	34.	33.	35.	35.	35.	39.	38.	39.	38.	35.	37.	37.	36.	36.
歷年/02	38.	36.	36.	37.	38.	40.	41.	43.	42.	42.	39.	38.	37.	37.	38.	38.	38.	40.	41.	43.	43.	42.	41.	39.	38.	37.	35.	38.	23.		
歷年/03	37.	38.	38.	39.	39.	39.	39.	37.	40.	45.	46.	43.	41.	40.	38.	37.	35.	35.	36.	37.	41.	39.	38.	40.	41.	40.	39.	39.	40.	39.	39.
歷年/04	39.	38.	36.	37.	38.	39.	38.	39.	39.	39.	37.	35.	34.	36.	37.	39.	39.	41.	41.	39.	38.	39.	38.	37.	36.	36.	34.	36.	35.	35.	
歷年/05	38.	38.	38.	38.	39.	37.	37.	37.	34.	34.	34.	34.	34.	35.	34.	36.	36.	34.	35.	34.	35.	34.	33.	36.	35.	35.	35.	33.	31.	30.	29.
歷年/06	29.	30.	31.	32.	32.	31.	31.	29.	30.	31.	31.	30.	28.	29.	30.	29.	30.	33.	32.	29.	32.	38.	38.	39.	38.	37.	36.	37.	37.	37.	
歷年/07	39.	39.	39.	39.	36.	35.	33.	33.	32.	32.	31.	31.	31.	31.	31.	31.	31.	32.	32.	32.	33.	36.	37.	36.	37.	36.	37.	40.	37.	36.	35.
歷年/08	39.	38.	37.	36.	35.	35.	33.	34.	35.	36.	35.	32.	32.	32.	33.	35.	35.	34.	36.	36.	35.	36.	33.	33.	35.	33.	33.	33.	34.	32.	31.
歷年/09	35.	36.	35.	34.	34.	36.	37.	40.	40.	40.	38.	37.	39.	42.	41.	39.	41.	41.	42.	41.	41.	40.	39.	37.	36.	36.	33.	36.	36.	35.	
歷年/10	37.	37.	39.	38.	40.	42.	47.	47.	45.	40.	40.	38.	37.	37.	41.	44.	48.	49.	46.	46.	42.	39.	35.	34.	35.	35.	33.	36.	36.	34.	36.
歷年/11	42.	43.	45.	47.	47.	41.	40.	43.	40.	41.	43.	43.	46.	45.	45.	45.	46.	44.	41.	42.	40.	39.	37.	36.	36.	37.	37.	41.	39.	39.	
歷年/冬	38.	37.	36.	36.	36.	38.	39.	40.	40.	40.	39.	40.	38.	39.	38.	38.	37.	36.	36.	38.	39.	39.	40.	39.	39.	39.	37.	38.	38.	39.	39.
歷年/春	38.	38.	37.	38.	39.	39.	38.	38.	38.	39.	39.	37.	36.	37.	36.	37.	37.	36.	37.	37.	38.	37.	36.	37.	37.	37.	36.	36.	36.	35.	34.
歷年/夏	36.	36.	36.	36.	34.	34.	33.	32.	33.	33.	32.	31.	31.	31.	31.	32.	32.	33.	33.	33.	34.	37.	36.	36.	37.	35.	35.	37.	36.	35.	33.
歷年/秋	38.	38.	40.	39.	40.	40.	41.	43.	41.	40.	40.	39.	41.	41.	42.	42.	44.	44.	43.	43.	41.	40.	37.	36.	36.	36.	34.	38.	37.	36.	36.
歷年/年	38.	37.	37.	37.	37.	37.	37.	38.	38.	38.	37.	37.	36.	37.	37.	37.	37.	37.	37.	37.	38.	38.	37.	37.	37.	37.	36.	37.	36.	36.	35.

單位: cm/s

表5.2.7a 2009年臺北港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12	95.	86.	86.	66.	77.	60.	60.	60.	73.	84.	82.	93.	94.	89.	85.	85.	87.	77.	65.	65.	55.	64.	67.	84.	73.	67.	72.	87.	87.	75.	78.
2009/01	72.	68.	66.	65.	63.	67.	59.	65.	72.	81.	97.	106.	85.	107.	86.	90.	83.	67.	57.	57.	60.	64.	72.	77.	66.	87.	75.	91.	97.	87.	78.
2009/02	92.	80.	71.	65.	48.	75.	84.	83.	100.	96.	109.	93.	100.	90.	75.	57.	61.	51.	59.	55.	65.	63.	73.	77.	82.	90.	90.	79.			
2009/03	73.	75.	65.	81.	75.	65.	67.	86.	80.	101.	103.	98.	103.	82.	86.	82.	65.	58.	53.	43.	55.	80.	66.	75.	70.	80.	84.	88.	85.	82.	77.
2009/04	72.	59.	57.	57.	63.	73.	78.	94.	84.	90.	83.	82.	83.	72.	69.	66.	37.														
2009/05							84.	83.	91.	83.	90.	95.	78.	69.	75.	72.	56.	63.	64.	62.	63.	63.	68.	81.	77.	89.	67.	77.	69.	53.	53.
2009/06	61.	34.	66.	50.	73.	81.	75.	73.	72.	98.	75.	92.	77.	47.	61.	51.	46.	61.	68.	72.	64.	89.	104.	103.	83.	64.	56.	85.	69.	63.	
2009/07	70.	71.	62.	75.	69.	61.	74.	68.	69.	79.	86.	75.	70.	71.	66.	77.	68.	73.	88.	83.	99.	114.	102.	105.	116.	97.	75.	74.	64.	69.	56.
2009/08	81.	73.	72.	57.	80.	84.	89.	98.	104.	111.	88.	69.	55.	47.	72.	71.	96.	68.													
2009/09										58.	75.	63.	63.	68.	73.	91.	80.	98.	92.	77.	75.	78.	71.	74.	56.	60.	44.	53.	75.	60.	
2009/10	72.	79.	81.	90.	90.	85.	108.	92.	98.	82.	78.	79.	65.	69.	83.	79.	87.	90.	98.	92.	87.	79.	75.	85.	62.	63.	43.				
2009/11	77.	81.	87.	104.	95.	82.	93.	77.	71.	71.	71.	77.	76.	76.	79.	93.	84.	85.	82.	84.	79.	74.	71.	66.	67.	58.	61.	63.	69.	77.	
2009/冬	95.	86.	86.	66.	77.	75.	84.	83.	100.	96.	109.	106.	100.	107.	86.	90.	87.	77.	65.	65.	65.	64.	73.	84.	82.	90.	90.	91.	97.	87.	78.
2009/春	73.	75.	65.	81.	75.	73.	84.	94.	91.	101.	103.	98.	103.	82.	86.	82.	65.	63.	64.	62.	63.	80.	68.	81.	77.	89.	84.	88.	85.	82.	77.
2009/夏	81.	73.	72.	75.	80.	84.	89.	98.	104.	111.	88.	92.	77.	71.	72.	77.	96.	73.	88.	83.	99.	114.	104.	105.	116.	97.	75.	85.	69.	69.	56.
2009/秋	77.	81.	87.	104.	95.	85.	108.	92.	98.	82.	78.	79.	76.	76.	83.	93.	87.	98.	98.	92.	87.	79.	75.	85.	67.	63.	61.	63.	75.	77.	
2009/年	95.	86.	87.	104.	95.	85.	108.	98.	104.	111.	109.	106.	103.	107.	86.	93.	96.	98.	98.	92.	99.	114.	104.	105.	116.	97.	90.	91.	97.	87.	78.

單位: cm/s

表5.2.7b　歷年臺北港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/**12**	95.	93.	86.	90.	81.	97.	84.	90.	82.	84.	88.	115.	94.	94.	107.	93.	87.	78.	68.	84.	84.	79.	83.	90.	99.	88.	103.	89.	91.	85.	100.
歷年/**01**	73.	89.	108.	83.	73.	77.	84.	93.	94.	108.	97.	113.	91.	107.	100.	105.	92.	93.	86.	95.	97.	84.	95.	90.	91.	87.	80.	91.	97.	107.	112.
歷年/**02**	101.	98.	96.	95.	87.	98.	90.	92.	100.	104.	109.	93.	100.	93.	89.	88.	86.	90.	97.	90.	99.	101.	96.	91.	97.	90.	95.	84.	44.		
歷年/**03**	96.	90.	91.	90.	84.	93.	77.	87.	92.	106.	125.	98.	103.	100.	95.	89.	88.	92.	104.	93.	103.	99.	103.	93.	85.	96.	103.	115.	95.	107.	102.
歷年/**04**	102.	104.	91.	96.	100.	135.	103.	101.	104.	103.	91.	87.	83.	84.	88.	102.	101.	105.	104.	96.	93.	84.	82.	91.	85.	92.	77.	90.	89.	80.	
歷年/**05**	122.	107.	84.	82.	83.	89.	94.	94.	92.	93.	90.	95.	78.	76.	105.	96.	123.	105.	100.	89.	81.	82.	87.	81.	114.	108.	94.	107.	91.	77.	76.
歷年/**06**	77.	81.	73.	80.	85.	103.	76.	77.	80.	106.	98.	92.	97.	95.	85.	73.	78.	113.	82.	72.	99.	92.	104.	103.	91.	100.	81.	85.	86.	79.	
歷年/**07**	95.	109.	111.	102.	92.	94.	83.	89.	84.	83.	86.	116.	90.	103.	81.	108.	86.	93.	100.	96.	99.	116.	114.	105.	116.	104.	85.	97.	82.	86.	96.
歷年/**08**	95.	92.	100.	93.	131.	95.	89.	98.	104.	111.	112.	87.	103.	108.	101.	84.	96.	86.	90.	88.	92.	100.	96.	96.	93.	89.	97.	96.	117.	110.	81.
歷年/**09**	100.	85.	92.	90.	97.	97.	93.	86.	87.	90.	97.	87.	114.	158.	130.	100.	123.	125.	114.	112.	99.	81.	84.	82.	83.	83.	88.	94.	102.	84.	
歷年/**10**	89.	88.	83.	90.	96.	104.	113.	107.	99.	98.	88.	98.	96.	100.	94.	101.	94.	97.	98.	93.	90.	79.	83.	85.	80.	76.	77.	79.	90.	87.	89.
歷年/**11**	90.	82.	89.	104.	96.	86.	93.	98.	107.	116.	100.	113.	126.	126.	119.	124.	109.	90.	90.	87.	81.	83.	87.	95.	86.	80.	74.	83.	70.	77.	
歷年/冬	101.	98.	108.	95.	87.	98.	90.	93.	100.	108.	109.	115.	100.	107.	107.	105.	92.	93.	97.	95.	99.	101.	96.	91.	99.	90.	103.	91.	97.	107.	112.
歷年/春	122.	107.	91.	96.	100.	135.	103.	101.	104.	106.	125.	98.	103.	100.	105.	102.	123.	105.	104.	96.	103.	99.	103.	93.	114.	108.	103.	115.	95.	107.	102.
歷年/夏	95.	109.	111.	102.	131.	103.	89.	98.	104.	111.	112.	116.	103.	108.	101.	108.	96.	113.	100.	96.	99.	116.	114.	105.	116.	104.	97.	97.	117.	110.	96.
歷年/秋	100.	88.	92.	104.	97.	104.	113.	107.	107.	116.	100.	113.	126.	158.	130.	124.	123.	125.	114.	112.	99.	83.	87.	95.	86.	83.	88.	94.	102.	87.	89.
歷年/年	122.	109.	111.	104.	131.	135.	113.	107.	107.	116.	125.	116.	126.	158.	130.	124.	123.	125.	114.	112.	103.	116.	114.	105.	116.	108.	103.	115.	117.	110.	112.

單位: cm/s

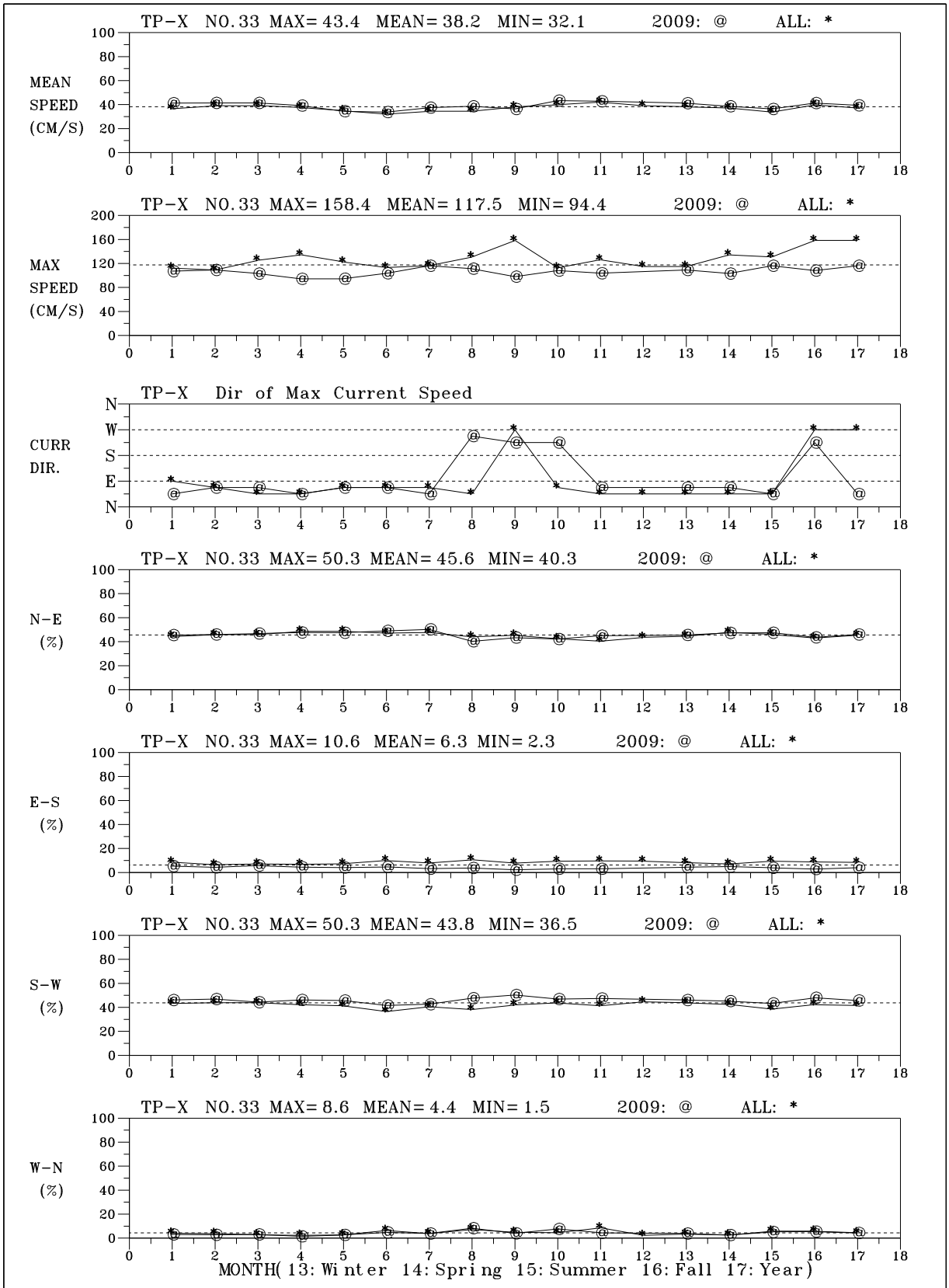


圖5.2.1 臺北港1站2009及歷年月季海流統計圖

C09XTPX0.ST2	Institute of Harbor & Marine Technology

PLQC2A1.BAT(PLQCU2A1.FOR) 2010. 10. 19

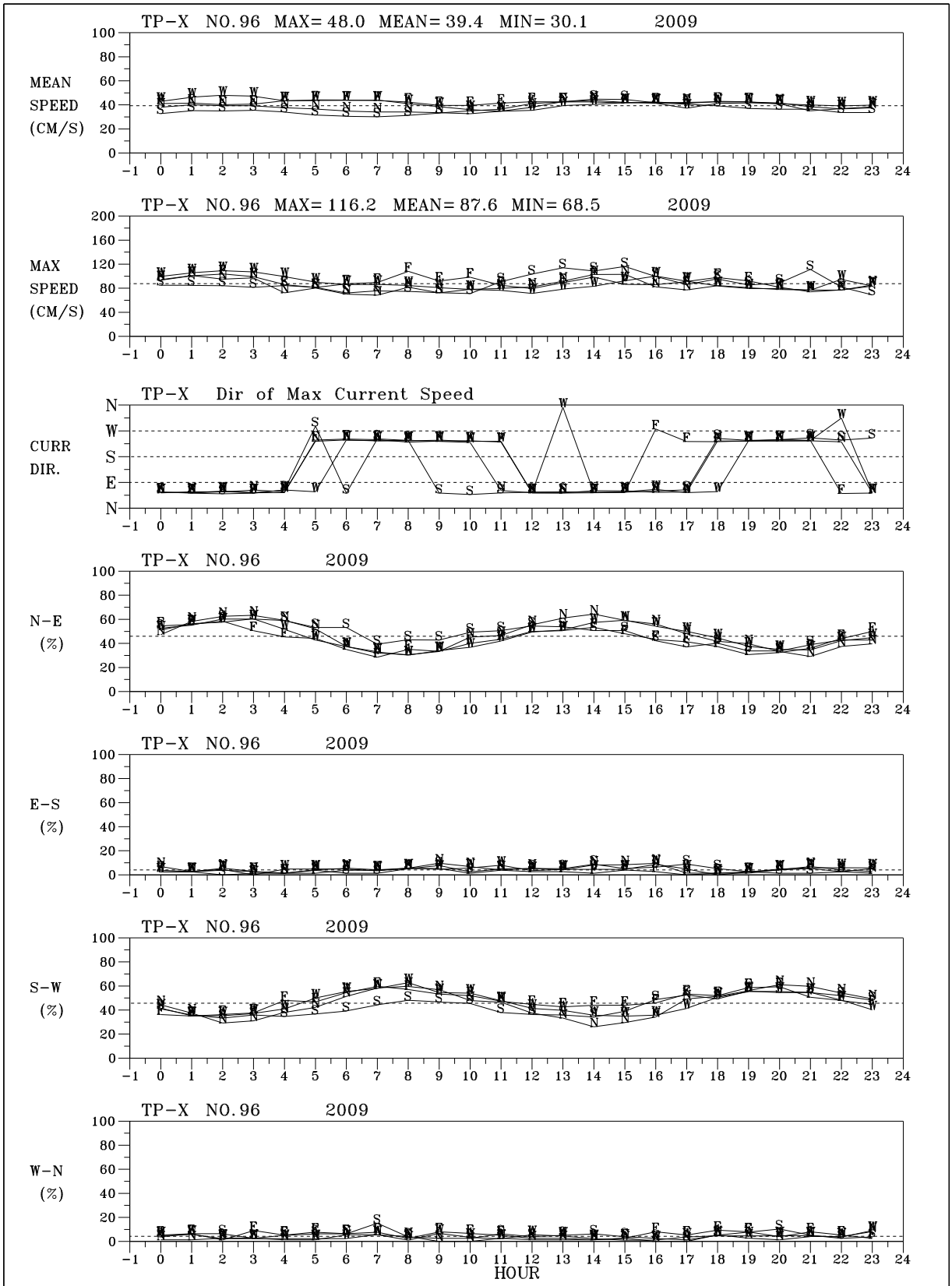


圖5.2.2　臺北港1站2009年四季24時海流統計圖

C090TPX0.1HA	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19

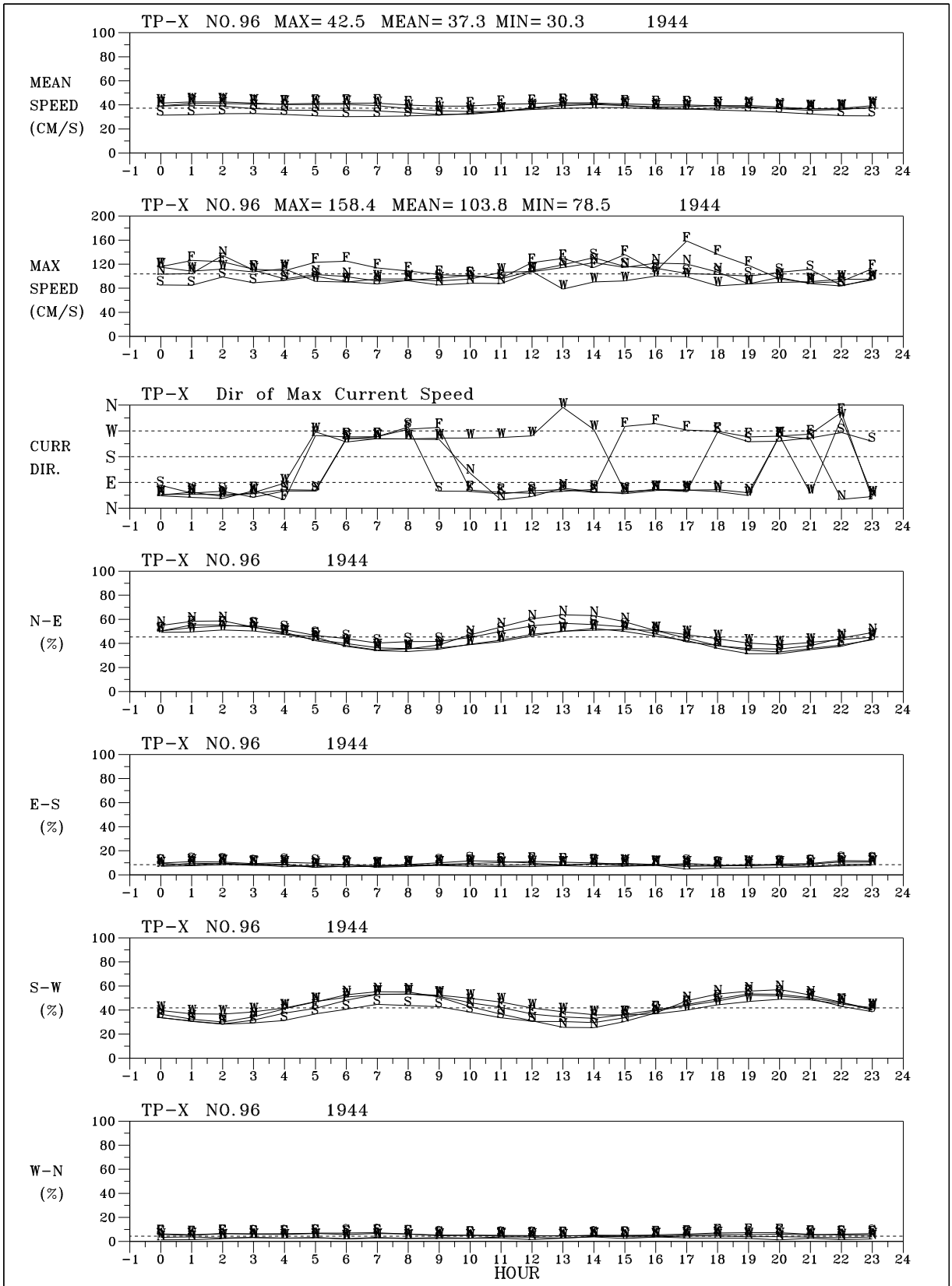


圖5.2.3 臺北港1站歷年四季24時海流統計量圖

C440TPX0.1HY	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19

5.3　2009年臺中港海流重要參數統計表及統計圖

表5.3.1a 2009年臺中港測站 X 觀測流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	2008/12	*	*	*									
2	2009/01	*	*	*									
3	2009/02	*	*	*									
4	2009/03	*	*	*									
5	2009/04	*	*	*									
6	2009/05	*	*	*									
7	**2009/06**	286(40%)	57.4	189.0 /NNE	51.8 / N	15.0	31.8	45.1	7.7	47.6	.3	5.2	46.5
8	**2009/07**	743(100%)	48.9	150.2 /N	44.4 / N	19.7	36.3	39.0	5.0	51.3	2.7	2.0	44.0
9	**2009/08**	440(59%)	38.0	140.4 /WNW	31.0 / N	27.0	51.8	20.0	1.1	30.9	.7	5.0	63.4
10	**2009/09**	720(100%)	33.3	88.9 /NNE	23.8 /NNW	33.9	51.9	13.9	.0	24.4	1.1	17.4	56.8
11	**2009/10**	744(100%)	50.3	128.1 /WSW	38.9 / W	19.1	35.8	40.9	4.2	12.0	.1	60.2	27.6
12	**2009/11**	719(100%)	52.9	182.6 /WSW	39.2 / W	23.1	31.8	33.7	11.0	15.4	.7	59.8	23.6
13	2009/冬	*	*	*									
14	2009/春	*	*	*									
15	**2009**/夏	1469(67%)	47.3	189.0 /NNE	41.6 / N	21.0	40.1	34.5	4.4	44.5	1.6	3.5	50.3
16	**2009**/秋	2183(100%)	45.5	182.6 /WSW	29.4 / W	25.3	39.8	29.6	5.0	17.2	.6	45.9	35.9
17	**2009**/年	3652(42%)	46.2	189.0 /NNE	24.8 / NW	23.5	39.9	31.6	4.8	28.2	1.0	28.9	41.7

表5.3.1b　歷年臺中港測站 X 觀測流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	3422(92%)	55.6	182.9 /W	49.2 / W	23.8	25.5	38.6	12.0	5.2	1.8	44.0	48.9
2	歷年/02	3014(88%)	54.0	170.9 /W	43.8 /WNW	21.0	32.5	35.6	10.8	7.3	1.3	33.8	57.5
3	歷年/03	3152(85%)	44.4	237.6 /W	32.3 /WNW	29.5	36.1	28.9	5.4	9.4	2.4	29.0	59.3
4	歷年/04	3142(87%)	37.0	193.9 /WSW	27.6 / NW	35.8	38.5	24.1	1.5	13.7	2.5	17.4	66.3
5	歷年/05	3365(91%)	38.9	150.0 /WSW	31.3 /NNW	29.2	42.6	26.6	1.3	14.6	1.3	10.5	73.4
6	歷年/06	3832(89%)	48.9	189.0 /NNE	27.2 / N	14.2	38.9	45.1	1.6	20.0	14.1	5.6	60.2
7	歷年/07	4213(94%)	50.6	189.1 /W	35.6 /NNW	15.0	35.5	45.9	3.5	19.5	8.1	6.5	65.7
8	歷年/08	4459(86%)	41.0	147.5 /W	24.9 /NNW	22.9	46.1	30.3	.7	17.2	12.5	4.9	65.4
9	歷年/09	4078(94%)	37.4	240.2 /WNW	19.5 / NW	36.4	38.8	22.0	2.6	16.2	7.8	19.3	56.4
10	歷年/10	3695(99%)	48.4	248.3 /W	40.1 / W	25.3	32.3	36.4	5.9	6.7	1.7	39.9	51.6
11	歷年/11	3256(91%)	48.1	182.6 /WSW	31.0 /WNW	26.5	32.4	34.2	6.8	11.4	4.1	35.3	49.2
12	歷年/12	2226(100%)	54.1	146.2 /W	43.1 / W	23.0	29.5	35.3	12.2	8.9	2.2	44.9	43.9
13	歷年/冬	8662(93%)	54.7	182.9 /W	45.6 / W	22.6	29.0	36.7	11.6	6.9	1.8	40.7	50.6
14	歷年/春	9659(88%)	40.1	237.6 /W	29.4 / NW	31.5	39.2	26.5	2.7	12.6	2.0	18.7	66.5
15	歷年/夏	12504(89%)	46.7	189.1 /W	29.2 /NNW	17.6	40.3	40.1	1.9	18.8	11.5	5.6	63.9
16	歷年/秋	11029(95%)	44.2	248.3 /W	28.8 /WNW	29.8	34.7	30.4	5.0	11.6	4.7	30.9	52.7
17	歷年/年	41854(91%)	46.2	248.3 /W	28.5 / NW	25.0	36.2	33.7	4.9	13.0	5.5	22.6	58.8

表5.3.1c 2009年臺中港測站 X 潮流流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	2008/12	*	*	*									
2	2009/01	*	*	*									
3	2009/02	*	*	*									
4	2009/03	*	*	*									
5	2009/04	*	*	*									
6	2009/05	*	*	*									
7	**2009/06**	301(42%)	19.0	46.0 /SSW	.1 / N	69.8	30.2	.0	.0	42.9	7.0	35.2	15.0
8	**2009/07**	744(100%)	16.3	49.4 /SSW	.1 /SSE	83.1	16.9	.0	.0	35.2	16.1	30.1	18.5
9	**2009/08**	744(100%)	7.3	22.1 /SW	.0 /SSW	100.0	.0	.0	.0	30.8	17.2	35.8	16.3
10	**2009/09**	720(100%)	10.8	33.8 /NE	.1 /ENE	98.2	1.8	.0	.0	35.0	15.0	41.8	8.2
11	**2009/10**	744(100%)	9.6	24.4 /NE	.1 /ENE	100.0	.0	.0	.0	38.6	12.5	43.1	5.8
12	**2009/11**	720(100%)	8.9	21.5 /SW	.0 / NW	100.0	.0	.0	.0	40.7	10.7	36.7	11.9
13	2009/冬	*	*	*									
14	2009/春	*	*	*									
15	**2009**/夏	1789(81%)	13.0	49.4 /SSW	.0 /ESE	87.9	12.1	.0	.0	34.7	15.0	33.3	17.0
16	**2009**/秋	2184(100%)	9.8	33.8 /NE	.1 / NE	99.4	.6	.0	.0	38.1	12.7	40.6	8.6
17	**2009**/年	3973(45%)	11.2	49.4 /SSW	.0 /ENE	94.2	5.8	.0	.0	36.5	13.8	37.3	12.4

表5.3.1d　歷年臺中港測站 X 潮流流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	3469(93%)	9.5	33.8 /SW	.0 / E	98.9	1.1	.0	.0	36.1	18.9	29.5	15.5
2	歷年/02	3403(100%)	9.0	31.1 /SSW	.0 / E	98.2	1.8	.0	.0	39.2	13.8	30.4	16.6
3	歷年/03	3202(86%)	10.3	45.1 /E	.1 / W	98.9	1.1	.0	.0	38.6	11.2	34.2	16.0
4	歷年/04	3151(88%)	11.0	40.6 /S	.1 /NNW	97.7	2.3	.0	.0	32.3	18.5	26.8	22.4
5	歷年/05	3648(98%)	9.9	37.9 /S	.0 /SSE	97.4	2.6	.0	.0	27.8	21.6	24.2	26.5
6	歷年/06	3901(90%)	13.5	50.7 /SSW	.0 / NE	86.2	13.7	.1	.0	26.0	25.8	20.5	27.7
7	歷年/07	4463(100%)	14.8	71.0 /N	.0 / SE	83.5	15.3	1.1	.0	22.8	29.9	13.8	33.5
8	歷年/08	4873(94%)	11.6	43.8 /SSE	.0 /SSW	92.1	7.9	.0	.0	17.8	32.0	16.7	33.5
9	歷年/09	4267(99%)	10.4	34.7 /SSE	.0 / SW	99.1	.9	.0	.0	26.7	21.0	29.8	22.5
10	歷年/10	3720(100%)	12.5	37.5 /WSW	.0 /WNW	94.7	5.3	.0	.0	37.9	13.1	38.5	10.5
11	歷年/11	3305(92%)	10.4	30.4 /SSW	.0 / NW	98.6	1.4	.0	.0	36.3	16.3	31.3	16.0
12	歷年/12	2232(100%)	10.5	32.0 /WSW	.0 /WSW	97.0	3.0	.0	.0	34.7	17.9	30.4	16.9
13	歷年/冬	9104(97%)	9.6	33.8 /SW	.0 / E	98.2	1.8	.0	.0	36.9	16.7	30.1	16.3
14	歷年/春	10001(91%)	10.4	45.1 /E	.0 /WNW	98.0	2.0	.0	.0	32.7	17.3	28.2	21.8
15	歷年/夏	13237(95%)	13.2	71.0 /N	.0 / SE	87.5	12.1	.4	.0	21.9	29.5	16.8	31.8
16	歷年/秋	11292(97%)	11.1	37.5 /WSW	.0 / W	97.5	2.5	.0	.0	33.2	17.0	33.1	16.6
17	歷年/年	43634(95%)	11.3	71.0 /N	.0 /WSW	94.7	5.2	.1	.0	30.4	20.8	26.4	22.4

表5.3.1e 2009年臺中港測站 X 非潮流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	2008/12	*	*	*									
2	2009/01	*	*	*									
3	2009/02	*	*	*									
4	2009/03	*	*	*									
5	2009/04	*	*	*									
6	2009/05	*	*	*									
7	**2009/06**	286(40%)	57.0	151.9 /N	51.6 / N	5.6	31.5	58.7	4.2	54.5	.7	4.2	40.6
8	**2009/07**	743(100%)	47.9	129.3 /N	44.5 / N	13.7	41.9	43.3	1.1	61.6	1.5	2.8	34.1
9	**2009/08**	440(59%)	36.7	135.1 /WNW	31.2 / N	25.5	54.8	18.9	.9	36.1	.2	3.4	60.2
10	**2009/09**	720(100%)	31.7	84.1 /NNE	23.8 /NNW	36.3	50.8	12.9	.0	23.1	.8	14.4	61.7
11	**2009/10**	744(100%)	49.4	125.3 /WSW	38.9 / W	18.5	37.9	39.2	4.3	10.5	.1	59.1	30.2
12	**2009/11**	719(100%)	52.3	187.5 /WSW	39.1 / W	21.3	36.4	31.8	10.4	15.2	.3	61.1	23.5
13	2009/冬	*	*	*									
14	2009/春	*	*	*									
15	**2009**/夏	1469(67%)	46.3	151.9 /N	41.6 / N	15.7	43.7	39.0	1.6	52.6	1.0	3.3	43.2
16	**2009**/秋	2183(100%)	44.5	187.5 /WSW	29.4 / W	25.3	41.7	28.1	4.9	16.2	.4	45.0	38.4
17	**2009**/年	3652(42%)	45.3	187.5 /WSW	24.8 / NW	21.4	42.5	32.5	3.6	30.8	.6	28.2	40.3

表5.3.1f　歷年臺中港測站 X 非潮流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	3423(92%)	54.8	180.1 /W	49.2 / W	24.5	26.6	37.5	11.3	5.4	1.4	43.8	49.4
2	歷年/02	3014(88%)	53.4	173.1 /W	43.9 /WNW	19.1	37.4	33.0	10.4	7.7	1.2	32.1	59.0
3	歷年/03	3151(85%)	43.7	243.9 /W	32.3 /WNW	27.0	42.2	26.1	4.7	10.7	2.1	28.9	58.3
4	歷年/04	3142(87%)	36.3	192.2 /WSW	27.6 / NW	30.8	49.8	17.8	1.6	13.3	2.2	14.8	69.7
5	歷年/05	3365(91%)	38.4	152.4 /WSW	31.3 /NNW	24.4	53.8	20.5	1.2	13.8	1.2	8.6	76.4
6	歷年/06	3832(89%)	47.9	150.5 /N	27.2 / N	8.6	48.6	41.9	.9	17.9	14.3	4.9	62.9
7	歷年/07	4213(94%)	48.8	191.3 /W	35.6 /NNW	10.1	45.3	42.4	2.2	19.6	7.6	6.5	66.4
8	歷年/08	4459(86%)	39.8	141.7 /W	25.0 /NNW	18.5	57.5	23.6	.4	18.8	11.4	4.1	65.7
9	歷年/09	4078(94%)	36.5	228.7 /W	19.5 / NW	34.9	43.8	18.9	2.4	17.2	7.6	18.4	56.9
10	歷年/10	3695(99%)	47.5	245.6 /W	40.1 / W	23.4	37.7	32.9	6.0	7.6	.7	40.4	51.3
11	歷年/11	3257(91%)	47.3	187.5 /WSW	30.9 /WNW	23.8	39.1	30.7	6.4	11.8	4.1	34.5	49.6
12	歷年/12	2225(100%)	53.1	150.8 /W	43.1 / W	21.0	34.2	33.9	10.9	10.1	1.0	44.9	44.0
13	歷年/冬	8662(93%)	53.9	180.1 /W	45.6 / W	21.8	32.3	35.0	10.9	7.4	1.2	40.0	51.3
14	歷年/春	9658(88%)	39.5	243.9 /W	29.3 / NW	27.3	48.7	21.5	2.5	12.6	1.8	17.2	68.3
15	歷年/夏	12504(89%)	45.3	191.3 /W	29.2 /NNW	12.7	50.7	35.5	1.2	18.8	11.0	5.1	65.1
16	歷年/秋	11030(95%)	43.3	245.6 /W	28.7 /WNW	27.8	40.4	27.1	4.8	12.3	4.2	30.5	52.9
17	歷年/年	41854(91%)	45.2	245.6 /W	28.5 / NW	21.9	43.7	30.0	4.4	13.3	5.1	21.8	59.8

表5.3.1g 2009年臺中港測站 X48時平均流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	2008/12	*	*	*									
2	2009/01	*	*	*									
3	2009/02	*	*	*									
4	2009/03	*	*	*									
5	2009/04	*	*	*									
6	2009/05	*	*	*									
7	**2009/06**	254(35%)	53.0	82.0 /N	52.7 / N	5.5	37.0	57.5	.0	69.3	.0	.0	30.7
8	**2009/07**	697(94%)	45.1	67.8 /N	44.9 / N	9.8	53.4	36.9	.0	80.2	.0	.0	19.8
9	**2009/08**	443(60%)	35.4	103.4 /W	31.2 /NNW	13.1	82.8	3.8	.2	33.0	.0	1.4	65.7
10	**2009/09**	673(94%)	28.6	56.0 /N	23.2 /NNW	43.7	51.3	5.1	.0	22.4	.0	4.5	73.1
11	**2009/10**	697(94%)	48.0	100.7 /WSW	41.6 /WSW	20.9	37.6	40.7	.7	8.3	.0	60.0	31.7
12	**2009/11**	673(94%)	47.9	135.8 /WSW	38.0 / W	16.3	49.2	27.9	6.5	15.5	.0	65.8	18.7
13	2009/冬	*	*	*									
14	2009/春	*	*	*									
15	**2009**/夏	1394(63%)	43.5	103.4 /W	41.6 / N	10.0	59.8	30.1	.1	63.2	.0	.4	36.4
16	**2009**/秋	2043(94%)	41.6	135.8 /WSW	29.9 / W	26.9	45.9	24.8	2.4	15.3	.0	43.6	41.1
17	**2009**/年	3437(39%)	42.3	135.8 /WSW	25.1 / NW	20.1	51.5	26.9	1.5	34.7	.0	26.1	39.2

表5.3.2 2009年及歷年臺中港測站 X 觀測流速分佈百分比 (%) 統計表

流速 (cm/s) 年、月	0 ～ 5	5 ～ 10	10 ～ 15	15 ～ 20	20 ～ 25	25 ～ 30	30 ～ 35	35 ～ 40	40 ～ 45	45 ～ 50	50 ～ 60	60 ～ 80	80 ～ 100	100～ 120	120～ 150	150 <	合計 (%)
2008/12																	
2009/01																	
2009/02																	
2009/03																	
2009/04																	
2009/05																	
2009/06	.3	1.4	3.8	5.2	4.2	3.1	8.7	6.3	5.9	7.7	12.2	18.9	14.0	3.1	2.4	2.1	100.
2009/07	.4	3.0	3.6	4.8	7.8	5.5	7.3	6.6	8.7	8.2	15.9	16.4	6.7	3.4	1.5	.1	100.
2009/08	.5	2.0	3.4	10.0	11.1	10.9	8.6	10.2	13.2	8.9	10.9	7.7	1.4	.7	.5	.0	100.
2009/09	.4	2.9	7.6	11.0	11.9	14.4	11.0	11.3	9.0	6.3	6.3	6.1	1.5	.0	.0	.0	100.
2009/10	.3	1.7	3.5	6.5	7.1	8.5	6.5	6.5	7.8	6.6	10.1	20.8	9.9	3.0	1.2	.0	100.
2009/11	.6	2.8	6.3	7.5	6.0	7.1	5.0	5.4	7.5	6.8	12.5	15.6	5.6	3.9	4.3	2.8	100.
2009/冬																	
2009/春																	
2009/夏	.4	2.4	3.6	6.5	8.1	6.7	8.0	7.6	9.5	8.3	13.7	14.3	6.5	2.5	1.4	.5	100.
2009/秋	.4	2.5	5.8	8.3	8.3	10.0	7.5	7.7	8.1	6.6	9.6	14.2	5.7	2.3	1.8	.9	100.
2009/年	.4	2.4	4.9	7.6	8.2	8.7	7.7	7.7	8.7	7.3	11.3	14.3	6.1	2.4	1.6	.7	100.
歷年/**01**	1.3	3.9	6.5	6.5	5.5	5.5	5.3	4.9	4.9	4.9	8.3	17.4	12.9	7.5	3.5	1.0	100.
歷年/**02**	.8	3.6	4.8	5.6	6.1	6.2	6.2	7.2	7.0	5.9	11.1	14.2	10.3	4.9	5.0	.9	100.
歷年/**03**	1.5	5.1	7.3	7.9	7.7	8.4	7.5	7.1	7.1	6.0	10.5	11.5	7.0	2.8	1.8	.8	100.
歷年/**04**	1.8	7.5	8.8	9.3	8.5	8.6	7.0	7.8	7.1	7.9	11.2	10.8	2.0	.6	.6	.3	100.
歷年/**05**	1.4	3.8	6.9	8.5	8.5	8.4	10.0	8.5	8.7	7.0	12.9	11.2	2.5	.6	.7	.0	100.
歷年/**06**	.5	1.7	3.0	4.3	4.7	6.8	7.0	7.0	8.5	9.5	17.4	21.3	6.4	1.1	.3	.2	100.
歷年/**07**	.4	2.4	3.3	3.8	5.2	5.5	5.3	7.0	7.9	9.7	18.4	21.7	5.8	1.9	1.3	.3	100.
歷年/**08**	1.2	3.7	4.4	6.3	7.3	8.7	8.0	10.0	10.5	8.8	14.8	12.7	2.8	.4	.2	.0	100.
歷年/**09**	2.0	6.1	8.4	9.9	10.1	9.6	8.3	7.7	7.2	6.0	9.6	9.3	3.1	1.3	1.0	.4	100.
歷年/**10**	1.7	3.8	6.0	7.3	6.4	8.0	6.5	6.2	6.2	5.5	10.5	16.8	9.0	3.6	1.6	.7	100.
歷年/**11**	1.0	3.4	6.5	8.6	7.1	6.6	6.5	6.2	6.4	6.6	11.6	14.9	7.7	4.1	1.9	.7	100.
歷年/**12**	1.0	3.8	5.0	6.6	6.6	5.8	6.5	5.3	5.6	6.3	8.2	16.1	11.0	8.8	3.3	.0	100.
歷年/冬	1.1	3.8	5.6	6.2	6.0	5.8	5.9	5.8	5.8	5.6	9.2	16.0	11.5	6.9	4.0	.7	100.
歷年/春	1.5	5.4	7.6	8.6	8.3	8.5	8.2	7.8	7.7	7.0	11.6	11.2	3.8	1.3	1.0	.4	100.
歷年/夏	.7	2.7	3.6	4.8	5.8	7.1	6.8	8.1	9.0	9.3	16.8	18.4	4.9	1.2	.6	.1	100.
歷年/秋	1.6	4.5	7.1	8.7	8.0	8.2	7.2	6.7	6.6	6.0	10.5	13.5	6.4	2.9	1.5	.6	100.
歷年/年	1.2	4.0	5.9	7.0	7.0	7.4	7.0	7.2	7.4	7.1	12.4	14.9	6.4	2.9	1.6	.4	100.

表5.3.3 2009年及歷年臺中港測站 X 觀測流向分佈百分比 (%) 統計表

流向 年、月	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	合計 (%)
2008/12																	
2009/01																	
2009/02																	
2009/03																	
2009/04																	
2009/05																	
2009/06	36.0	23.8	2.8	1.0	.7	.0	.0	.0	.0	.7	.7	2.4	1.7	1.7	3.1	25.2	100.
2009/07	38.4	25.6	4.0	1.5	1.2	.8	.4	.8	.5	.4	.5	.5	.9	2.4	3.1	18.8	100.
2009/08	35.0	12.7	4.3	2.0	.5	.5	.0	.0	.0	.0	.7	2.3	6.1	5.5	7.7	22.7	100.
2009/09	25.7	9.4	1.0	.4	.1	.1	.4	.4	.1	.1	2.1	7.5	17.8	11.0	8.2	15.6	100.
2009/10	8.2	5.8	1.6	.3	.0	.1	.0	.0	.0	.1	5.9	48.7	12.2	6.6	3.8	6.7	100.
2009/11	10.6	7.8	.7	.1	.4	.1	.0	.3	.0	.0	2.8	52.2	9.2	4.9	5.3	5.7	100.
2009/冬																	
2009/春																	
2009/夏	36.9	21.4	3.9	1.6	.9	.5	.2	.4	.3	.3	.6	1.4	2.7	3.2	4.5	21.2	100.
2009/秋	14.8	7.7	1.1	.3	.2	.1	.1	.2	.0	.1	3.6	36.2	13.1	7.5	5.7	9.3	100.
2009/年	23.7	13.2	2.2	.8	.5	.3	.2	.3	.1	.2	2.4	22.2	8.9	5.8	5.2	14.1	100.
歷年/01	3.9	1.2	.6	.6	2.4	.4	.3	.3	.3	.9	1.3	13.6	49.4	11.8	5.3	7.7	100.
歷年/02	10.7	2.1	.7	.4	.6	.3	.2	.4	.6	.7	.7	9.7	41.8	8.5	6.0	16.6	100.
歷年/03	14.4	2.7	1.2	.3	1.4	.5	.5	.3	.4	.5	.7	12.1	26.6	6.4	6.5	25.5	100.
歷年/04	18.9	4.3	1.7	.7	.8	.7	.7	.4	.5	.6	1.9	7.1	14.7	5.5	8.7	32.7	100.
歷年/05	20.8	5.5	1.2	.8	.8	.4	.3	.1	.1	.3	.7	4.1	10.1	5.3	8.8	40.5	100.
歷年/06	29.9	7.1	1.1	.4	.9	1.7	6.7	3.9	1.8	1.5	1.1	1.3	2.6	2.0	3.4	34.6	100.
歷年/07	25.3	7.7	1.9	.9	1.1	1.1	2.3	2.7	2.4	1.7	1.4	1.4	2.5	1.2	3.6	43.0	100.
歷年/08	21.7	4.9	1.7	1.3	3.4	2.0	3.4	3.7	2.9	.7	.5	1.3	3.9	2.5	6.2	39.7	100.
歷年/09	15.9	4.6	1.7	.9	3.6	1.6	1.6	2.0	2.7	1.3	1.8	6.5	18.7	8.4	6.8	21.9	100.
歷年/10	6.5	2.4	.8	.5	1.8	.4	.1	.1	.1	.3	1.7	18.9	37.7	12.2	5.0	11.6	100.
歷年/11	11.4	3.9	2.1	.6	1.8	1.1	.5	1.1	.9	1.2	1.9	20.2	21.6	7.6	6.3	17.7	100.
歷年/12	6.3	2.4	1.1	.5	4.4	.4	.1	.2	.2	.3	1.6	13.5	45.9	7.1	5.6	10.4	100.
歷年/冬	6.9	1.8	.8	.5	2.3	.4	.2	.3	.4	.7	1.2	12.2	45.9	9.4	5.6	11.5	100.
歷年/春	18.1	4.2	1.3	.6	1.0	.5	.5	.2	.3	.5	1.1	7.7	17.0	5.8	8.0	33.1	100.
歷年/夏	25.4	6.5	1.6	.9	1.9	1.6	4.1	3.4	2.4	1.3	1.0	1.3	3.0	1.9	4.5	39.2	100.
歷年/秋	11.4	3.6	1.5	.7	2.5	1.1	.8	1.1	1.3	1.0	1.8	14.7	25.9	9.4	6.0	17.2	100.
歷年/年	16.2	4.3	1.3	.7	1.9	1.0	1.6	1.4	1.2	.9	1.3	8.6	21.2	6.3	5.9	26.3	100.

表5.3.4a 臺中港2009年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12																								
2009/01																								
2009/02																								
2009/03																								
2009/04																								
2009/05																								
2009/06	43.3	33.7	32.3	37.3	41.2	45.5	46.4	56.0	56.9	59.1	61.9	58.5	61.6	59.4	70.3	70.3	73.1	79.5	87.5	79.6	63.8	55.6	49.2	44.9
2009/07	29.3	30.2	33.8	39.3	49.2	52.1	55.7	58.7	57.2	53.7	52.8	51.4	49.0	51.3	55.0	57.6	59.8	62.1	61.6	56.5	51.3	42.5	34.2	28.7
2009/08	30.8	29.0	33.2	34.3	39.9	45.4	47.4	46.3	46.1	38.0	37.7	35.1	35.4	37.3	38.3	39.4	41.1	44.7	39.9	37.0	37.0	35.1	31.9	31.0
2009/09	31.8	33.1	32.6	32.6	35.5	40.1	42.0	39.9	35.0	33.1	30.0	30.3	29.8	29.2	31.1	30.7	35.3	37.7	37.7	35.2	31.0	27.1	30.1	29.4
2009/10	52.3	48.9	45.5	49.7	48.1	46.8	46.5	42.3	43.1	42.5	45.6	49.1	51.1	50.7	49.6	52.2	54.6	56.0	55.7	55.4	54.5	54.6	56.7	55.1
2009/11	56.0	54.6	53.5	51.7	49.8	45.8	46.5	48.4	48.4	51.9	55.3	55.1	57.3	54.6	55.5	53.7	52.8	51.8	50.3	51.9	54.8	55.5	57.2	56.7
2009/冬																								
2009/春																								
2009/夏	32.1	30.5	33.3	37.4	44.8	48.8	51.6	54.3	53.7	50.3	49.9	48.0	47.7	48.6	53.1	55.0	57.2	60.7	60.3	55.7	49.8	43.1	36.7	32.6
2009/秋	46.7	45.6	43.9	44.7	44.5	44.3	45.0	43.5	42.2	42.5	43.7	44.9	46.1	44.9	45.4	45.6	47.6	48.6	48.0	47.6	46.8	45.9	48.1	47.2
2009/年	40.9	39.5	39.6	41.8	44.6	46.1	47.6	47.8	46.8	45.6	46.2	46.1	46.7	46.3	48.5	49.4	51.5	53.5	52.9	50.9	48.0	44.7	43.5	41.3

單位: cm/s

表5.3.4b 臺中港 歷年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/12	51.5	49.6	48.9	49.5	48.8	50.8	52.1	52.7	54.7	57.5	58.1	57.3	55.6	56.3	57.2	57.4	56.5	56.8	54.7	55.9	54.8	54.3	53.9	52.7
歷年/01	52.8	51.1	52.5	53.5	53.4	54.4	55.8	55.4	56.6	57.4	58.1	60.5	61.7	60.1	58.9	58.1	57.2	55.9	53.7	54.1	54.2	53.2	53.3	53.2
歷年/02	54.7	52.8	53.3	53.1	51.8	53.3	53.1	53.2	53.9	54.9	54.9	56.5	58.4	55.9	55.4	52.6	51.7	52.6	53.1	52.5	54.8	54.9	56.0	53.6
歷年/03	44.6	43.5	42.5	41.8	41.5	42.2	42.0	42.9	44.8	47.5	47.0	45.7	45.1	44.4	44.5	44.0	43.9	44.9	45.2	46.0	46.5	46.4	45.4	44.5
歷年/04	33.2	32.3	32.3	33.7	33.6	36.3	37.6	36.8	37.1	33.7	33.0	32.5	32.4	33.0	36.0	40.4	43.7	46.3	45.5	46.2	43.3	38.5	36.0	34.6
歷年/05	34.7	32.9	33.4	31.9	31.4	33.1	33.4	35.2	35.5	33.8	34.9	35.6	37.8	41.1	44.0	47.9	49.7	49.5	50.4	47.5	45.1	42.0	38.3	35.5
歷年/06	36.9	35.4	34.4	34.9	37.6	41.1	42.1	45.8	47.0	47.5	49.5	50.1	52.5	54.8	58.6	60.7	63.6	65.0	62.1	61.9	55.4	51.2	45.0	41.4
歷年/07	38.9	36.4	36.3	38.7	41.3	44.1	48.6	52.4	52.7	53.2	53.4	53.0	55.0	56.7	58.5	60.9	62.3	63.6	61.8	60.3	54.7	48.9	43.1	39.7
歷年/08	32.0	30.8	30.9	32.7	35.9	40.4	43.3	45.4	47.3	47.1	45.4	41.4	42.0	41.8	42.7	44.9	47.6	49.0	48.8	44.8	43.8	40.1	35.1	32.2
歷年/09	35.3	34.1	34.2	35.5	36.6	38.8	41.1	40.8	38.3	35.7	36.1	36.7	35.1	37.1	39.2	40.3	40.6	40.2	39.5	38.7	36.9	36.3	35.8	35.2
歷年/10	45.4	42.9	41.1	39.5	39.5	40.5	42.8	43.5	41.6	41.2	44.1	47.4	49.9	51.2	53.4	54.1	54.6	55.9	56.6	58.6	56.0	55.2	54.8	51.2
歷年/11	45.0	44.1	45.0	46.5	47.2	48.5	49.1	47.0	44.9	47.2	48.9	49.4	52.3	50.2	51.2	50.8	51.1	50.5	50.0	49.2	47.5	47.0	46.2	45.1
歷年/冬	53.1	51.3	51.9	52.3	51.6	53.1	53.9	54.0	55.2	56.5	57.0	58.3	59.0	57.6	57.3	56.0	55.1	54.9	53.7	54.0	54.6	54.1	54.4	53.2
歷年/春	37.5	36.2	36.0	35.7	35.4	37.1	37.6	38.3	39.1	38.3	38.3	37.9	38.4	39.5	41.6	44.2	45.9	47.0	47.1	46.6	45.0	42.3	39.8	38.1
歷年/夏	35.8	34.1	33.8	35.4	38.2	41.8	44.7	47.9	49.0	49.3	49.4	48.0	49.6	50.8	52.9	55.1	57.5	58.9	57.2	55.3	51.0	46.5	40.9	37.5
歷年/秋	41.5	40.0	39.7	40.1	40.7	42.3	44.0	43.6	41.4	40.9	42.5	44.0	45.2	45.7	47.5	48.0	48.4	48.5	48.3	48.5	46.4	45.8	45.2	43.5
歷年/年	41.2	39.7	39.6	40.2	41.0	43.2	44.8	45.8	46.0	46.0	46.5	46.7	47.8	48.3	49.8	50.9	51.9	52.6	51.8	51.2	49.2	46.9	44.6	42.4

單位: cm/s

表5.3.5a 臺中港2009年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12																								
2009/01																								
2009/02																								
2009/03																								
2009/04																								
2009/05																								
2009/06	87.7	63.9	63.2	76.1	85.1	94.5	88.6	86.9	100.4	102.4	85.8	86.6	94.7	99.6	99.0	128.8	180.5	189.0	170.2	158.3	125.3	151.8	140.7	113.4
2009/07	85.1	74.8	68.5	73.3	90.6	101.5	102.0	102.1	112.0	96.0	98.5	79.0	107.1	120.9	112.4	103.1	116.1	121.1	140.7	127.4	150.2	112.0	88.0	59.3
2009/08	66.4	70.7	76.8	80.1	86.5	101.7	112.9	128.5	140.4	70.8	70.5	59.4	60.6	65.9	64.1	96.0	88.3	89.8	105.4	73.9	76.1	60.6	46.1	52.6
2009/09	62.7	61.7	65.8	73.7	74.8	82.2	82.2	83.2	84.0	77.3	75.2	64.4	63.7	61.6	58.7	59.3	84.0	83.4	88.9	72.1	74.8	70.4	69.3	70.1
2009/10	122.5	122.1	110.7	111.4	99.4	82.4	80.7	77.5	88.9	98.0	113.8	111.4	117.7	124.3	118.7	126.0	118.3	117.2	110.9	105.6	110.5	115.1	125.1	128.1
2009/11	174.2	161.3	157.3	141.3	144.8	141.8	141.5	139.5	155.6	169.1	167.1	162.8	170.0	161.5	158.8	147.9	150.3	150.7	150.0	166.8	178.0	182.6	178.8	172.6
2009/冬																								
2009/春																								
2009/夏	87.7	74.8	76.8	80.1	90.6	101.7	112.9	128.5	140.4	102.4	98.5	86.6	107.1	120.9	112.4	128.8	180.5	189.0	170.2	158.3	150.2	151.8	140.7	113.4
2009/秋	174.2	161.3	157.3	141.3	144.8	141.8	141.5	139.5	155.6	169.1	167.1	162.8	170.0	161.5	158.8	147.9	150.3	150.7	150.0	166.8	178.0	182.6	178.8	172.6
2009/年	174.2	161.3	157.3	141.3	144.8	141.8	141.5	139.5	155.6	169.1	167.1	162.8	170.0	161.5	158.8	147.9	180.5	189.0	170.2	166.8	178.0	182.6	178.8	172.6

單位: cm/s

表5.3.5b 臺中港 歷年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/**12**	130.2	126.9	126.8	130.3	127.9	132.6	131.5	133.1	143.6	146.2	140.8	139.5	134.9	142.5	137.6	134.6	128.0	133.8	134.9	133.6	130.7	133.9	130.7	130.2
歷年/**01**	152.1	149.9	148.1	144.9	150.1	152.3	160.8	164.4	162.5	169.6	158.7	155.2	151.7	171.9	163.8	163.5	143.4	161.8	154.1	164.1	178.8	182.9	173.5	160.6
歷年/**02**	168.2	159.6	170.9	160.6	155.6	155.0	164.3	158.7	164.1	158.9	157.1	158.1	161.7	142.6	159.0	154.4	142.4	154.9	162.4	138.9	144.8	157.6	156.8	151.7
歷年/**03**	193.2	186.4	169.7	162.9	138.7	151.4	145.4	137.2	143.3	158.0	166.5	162.0	171.6	169.0	162.8	140.2	160.6	172.1	165.1	214.2	230.0	237.6	225.9	214.6
歷年/**04**	151.2	155.9	175.6	152.0	137.8	151.7	154.0	143.6	144.1	152.1	148.6	152.3	149.6	141.2	138.5	127.8	119.2	122.7	120.6	121.1	143.4	193.9	143.6	141.4
歷年/**05**	150.0	142.8	143.1	141.3	133.5	125.8	117.1	111.7	110.1	126.4	130.2	131.5	127.2	123.9	117.4	104.4	97.3	102.6	113.5	114.7	124.5	141.0	148.3	143.6
歷年/**06**	110.5	113.3	100.8	121.0	119.2	96.3	90.7	99.1	112.7	115.1	99.6	90.3	102.3	101.3	101.2	128.8	180.5	189.0	170.2	158.3	125.3	151.8	140.7	113.4
歷年/**07**	150.2	171.0	172.3	179.1	185.8	189.1	186.5	179.8	175.5	142.8	130.1	149.4	146.6	173.5	134.1	126.0	127.4	127.4	145.4	139.6	150.2	120.6	134.0	146.7
歷年/**08**	98.8	90.9	116.7	120.1	86.5	101.7	112.9	128.5	140.4	128.3	94.8	112.8	100.1	96.5	97.9	120.9	101.5	130.6	134.9	147.5	133.2	145.9	83.9	84.7
歷年/**09**	139.0	147.1	138.4	142.6	144.0	121.5	122.3	135.8	144.4	149.7	164.8	175.1	187.3	169.4	213.5	196.8	240.2	166.8	168.1	142.2	133.7	142.8	153.6	155.2
歷年/**10**	136.9	122.1	115.6	115.7	142.3	178.4	226.5	248.3	205.2	152.8	162.9	167.2	167.6	169.4	168.6	165.0	166.9	173.0	166.5	161.6	163.9	167.8	172.9	163.2
歷年/**11**	174.2	161.3	157.3	153.8	144.8	141.8	141.5	139.5	155.6	169.1	167.1	162.8	170.0	161.5	158.8	147.9	150.3	150.7	150.0	166.8	178.0	182.6	178.8	172.6
歷年/冬	168.2	159.6	170.9	160.6	155.6	155.0	164.3	164.4	164.1	169.6	158.7	158.1	161.7	171.9	163.8	163.5	143.4	161.8	162.4	164.1	178.8	182.9	173.5	160.6
歷年/春	193.2	186.4	175.6	162.9	138.7	151.7	154.0	143.6	144.1	158.0	166.5	162.0	171.6	169.0	162.8	140.2	160.6	172.1	165.1	214.2	230.0	237.6	225.9	214.6
歷年/夏	150.2	171.0	172.3	179.1	185.8	189.1	186.5	179.8	175.5	142.8	130.1	149.4	146.6	173.5	134.1	128.8	180.5	189.0	170.2	158.3	150.2	151.8	140.7	146.7
歷年/秋	174.2	161.3	157.3	153.8	144.8	178.4	226.5	248.3	205.2	169.1	167.1	175.1	187.3	169.4	213.5	196.8	240.2	173.0	168.1	166.8	178.0	182.6	178.8	172.6
歷年/年	193.2	186.4	175.6	179.1	185.8	189.1	226.5	248.3	205.2	169.6	167.1	175.1	187.3	173.5	213.5	196.8	240.2	189.0	170.2	214.2	230.0	237.6	225.9	214.6

單位: cm/s

表5.3.6a 2009年臺中港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12																															
2009/01																															
2009/02																															
2009/03																															
2009/04																															
2009/05																															
2009/06																		39.	51.	33.	55.	89.	78.	61.	33.	37.	73.	66.	61.	61.	
2009/07	57.	66.	58.	57.	49.	49.	49.	41.	40.	43.	51.	42.	57.	53.	28.	22.	36.	61.	30.	43.	59.	65.	69.	73.	67.	54.	53.	51.	39.	26.	26.
2009/08	35.	29.	53.	32.	45.	33.	96.												42.	47.	38.	42.	23.	27.	37.	40.	52.	43.	33.	29.	26.
2009/09	29.	34.	34.	31.	27.	20.	22.	27.	30.	22.	44.	41.	40.	58.	38.	28.	24.	24.	27.	34.	21.	20.	25.	35.	31.	27.	45.	53.	57.	50.	
2009/10	26.	37.	64.	86.	77.	101.	96.	78.	47.	41.	35.	28.	28.	42.	41.	24.	33.	22.	30.	36.	63.	75.	72.	74.	70.	58.	29.	35.	40.	40.	31.
2009/11	52.	150.	110.	44.	48.	29.	26.	32.	32.	38.	43.	23.	34.	66.	27.	39.	107.	96.	56.	73.	95.	53.	44.	32.	25.	19.	21.	61.	59.	54.	
2009/冬																															
2009/春																															
2009/夏	46.	48.	56.	44.	47.	41.	62.	41.	40.	43.	51.	42.	57.	53.	28.	22.	36.	53.	41.	42.	50.	71.	56.	54.	46.	44.	59.	53.	44.	38.	26.
2009/秋	35.	74.	69.	54.	51.	50.	48.	45.	37.	34.	41.	30.	34.	55.	36.	31.	55.	47.	38.	47.	60.	49.	47.	47.	42.	35.	32.	50.	52.	48.	31.
2009/年	40.	63.	64.	50.	49.	46.	52.	44.	37.	36.	43.	33.	40.	55.	34.	28.	50.	49.	39.	45.	55.	59.	52.	50.	44.	39.	46.	52.	48.	43.	28.

單位: cm/s

表5.3.6b　歷年臺中港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/12	51.	61.	59.	50.	54.	37.	69.	45.	48.	64.	38.	63.	62.	62.	48.	50.	57.	43.	61.	70.	62.	54.	41.	48.	39.	46.	64.	71.	72.	32.	56.
歷年/01	52.	41.	35.	50.	56.	61.	80.	65.	58.	47.	38.	60.	80.	68.	55.	63.	59.	47.	38.	45.	68.	66.	65.	84.	53.	50.	65.	41.	31.	47.	55.
歷年/02	58.	50.	61.	68.	47.	51.	54.	65.	69.	56.	63.	58.	61.	45.	56.	39.	57.	49.	62.	59.	35.	32.	58.	56.	33.	69.	58.	53.	47.		
歷年/03	48.	44.	56.	54.	43.	60.	50.	31.	32.	43.	47.	58.	56.	42.	41.	35.	47.	64.	47.	50.	31.	46.	44.	46.	35.	46.	39.	31.	32.	39.	42.
歷年/04	33.	35.	60.	47.	34.	37.	40.	52.	42.	34.	35.	27.	37.	33.	35.	28.	30.	45.	32.	36.	35.	41.	36.	38.	32.	32.	35.	34.	34.	43.	
歷年/05	41.	34.	33.	39.	45.	42.	33.	42.	43.	40.	49.	42.	37.	48.	33.	41.	41.	46.	29.	29.	33.	40.	36.	33.	38.	39.	42.	39.	43.	37.	38.
歷年/06	46.	46.	43.	47.	46.	48.	44.	47.	46.	46.	48.	44.	48.	52.	53.	48.	49.	50.	46.	45.	53.	57.	57.	56.	49.	49.	52.	49.	47.	51.	
歷年/07	52.	62.	56.	55.	50.	53.	50.	48.	50.	51.	50.	48.	60.	51.	47.	40.	46.	66.	54.	45.	50.	54.	52.	52.	52.	44.	53.	49.	43.	43.	43.
歷年/08	44.	38.	44.	41.	36.	43.	46.	40.	44.	40.	44.	49.	50.	41.	36.	37.	39.	40.	41.	43.	38.	37.	37.	45.	33.	40.	42.	41.	41.	40.	40.
歷年/09	46.	40.	37.	34.	31.	27.	25.	27.	32.	41.	47.	44.	44.	43.	40.	46.	40.	40.	32.	34.	31.	28.	39.	46.	43.	34.	44.	48.	33.	30.	
歷年/10	32.	69.	54.	66.	58.	59.	49.	51.	51.	35.	33.	37.	29.	49.	58.	45.	49.	58.	54.	40.	40.	54.	56.	48.	52.	53.	43.	30.	42.	54.	50.
歷年/11	47.	65.	58.	41.	39.	35.	32.	29.	39.	44.	56.	51.	40.	48.	53.	67.	69.	67.	48.	40.	56.	52.	42.	41.	43.	41.	53.	50.	49.	53.	
歷年/冬	54.	49.	52.	58.	51.	51.	68.	59.	59.	55.	46.	60.	69.	59.	54.	52.	58.	47.	52.	56.	54.	51.	56.	65.	43.	55.	62.	53.	47.	41.	56.
歷年/春	41.	38.	49.	47.	41.	47.	41.	41.	39.	39.	44.	42.	42.	41.	36.	35.	39.	52.	36.	38.	34.	42.	39.	39.	35.	38.	38.	35.	36.	40.	40.
歷年/夏	48.	48.	48.	48.	44.	48.	47.	45.	47.	46.	47.	47.	53.	48.	45.	41.	45.	53.	47.	44.	47.	50.	48.	51.	44.	44.	49.	46.	44.	45.	41.
歷年/秋	42.	58.	50.	47.	42.	39.	35.	35.	40.	40.	45.	44.	38.	47.	50.	52.	51.	53.	44.	37.	40.	43.	45.	45.	46.	42.	46.	43.	41.	45.	50.
歷年/年	46.	49.	49.	49.	44.	46.	46.	44.	45.	45.	46.	48.	50.	48.	46.	45.	48.	51.	45.	44.	44.	47.	47.	50.	42.	45.	49.	44.	42.	43.	46.

單位: cm/s

表5.3.7a 2009年臺中港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12																															
2009/01																															
2009/02																															
2009/03																															
2009/04																															
2009/05																															
2009/06																		60.	97.	63.	121.	189.	170.	139.	73.	90.	152.	113.	91.	100.	
2009/07	92.	121.	108.	114.	121.	92.	81.	83.	70.	73.	98.	95.	104.	88.	52.	39.	58.	115.	63.	116.	134.	141.	141.	150.	133.	112.	100.	99.	92.	44.	44.
2009/08	57.	56.	96.	56.	105.	67.	140.												69.	86.	61.	61.	44.	49.	54.	63.	66.	62.	53.	47.	45.
2009/09	45.	49.	50.	50.	53.	33.	36.	47.	68.	42.	75.	67.	55.	84.	66.	53.	46.	51.	57.	58.	35.	39.	42.	54.	54.	43.	66.	77.	89.	84.	
2009/10	51.	69.	80.	128.	122.	126.	122.	101.	68.	56.	60.	48.	45.	79.	59.	45.	58.	43.	74.	60.	85.	92.	92.	99.	83.	82.	57.	63.	65.	66.	57.
2009/11	107.	183.	174.	72.	79.	61.	52.	56.	56.	62.	66.	42.	74.	91.	42.	67.	158.	144.	81.	95.	124.	76.	62.	52.	42.	28.	52.	73.	80.	73.	
2009/冬																															
2009/春																															
2009/夏	92.	121.	108.	114.	121.	92.	140.	83.	70.	73.	98.	95.	104.	88.	52.	39.	58.	115.	97.	116.	134.	189.	170.	150.	133.	112.	152.	113.	92.	100.	45.
2009/秋	107.	183.	174.	128.	122.	126.	122.	101.	68.	62.	75.	67.	74.	91.	66.	67.	158.	144.	81.	95.	124.	92.	92.	99.	83.	82.	66.	77.	89.	84.	57.
2009/年	107.	183.	174.	128.	122.	126.	140.	101.	70.	73.	98.	95.	104.	91.	66.	67.	158.	144.	97.	116.	134.	189.	170.	150.	133.	112.	152.	113.	92.	100.	57.

單位: cm/s

表5.3.7b　歷年臺中港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/12	86.	129.	130.	104.	110.	85.	146.	83.	112.	105.	118.	128.	113.	112.	85.	107.	130.	105.	135.	128.	134.	126.	87.	105.	87.	109.	119.	134.	133.	63.	138.
歷年/01	127.	100.	71.	112.	172.	142.	125.	133.	116.	106.	101.	114.	157.	164.	128.	183.	152.	98.	97.	91.	110.	119.	130.	152.	110.	143.	123.	100.	83.	152.	131.
歷年/02	114.	113.	145.	171.	134.	135.	121.	137.	143.	157.	132.	158.	144.	103.	94.	129.	162.	113.	140.	158.	82.	104.	148.	116.	104.	134.	142.	108.	70.		
歷年/03	133.	122.	140.	126.	151.	145.	131.	81.	77.	92.	98.	238.	193.	107.	76.	68.	118.	172.	98.	101.	80.	91.	112.	104.	69.	85.	83.	94.	69.	93.	102.
歷年/04	76.	194.	176.	137.	83.	81.	76.	125.	91.	78.	70.	79.	80.	68.	77.	60.	68.	98.	80.	81.	75.	87.	109.	114.	70.	82.	82.	87.	92.	91.	
歷年/05	92.	67.	67.	90.	93.	101.	86.	94.	97.	130.	150.	88.	148.	138.	82.	95.	89.	104.	69.	68.	60.	96.	82.	77.	65.	103.	88.	84.	75.	91.	74.
歷年/06	102.	97.	125.	129.	115.	109.	102.	96.	96.	121.	91.	79.	101.	109.	91.	113.	101.	96.	97.	115.	127.	189.	170.	139.	98.	90.	152.	113.	92.	100.	
歷年/07	98.	143.	126.	114.	121.	130.	95.	98.	102.	96.	98.	147.	150.	106.	97.	75.	128.	189.	167.	139.	134.	141.	141.	150.	133.	112.	126.	145.	116.	118.	93.
歷年/08	86.	87.	100.	120.	105.	128.	140.	91.	88.	84.	88.	99.	106.	96.	99.	117.	93.	97.	78.	109.	92.	98.	107.	131.	105.	91.	106.	104.	88.	80.	148.
歷年/09	153.	99.	82.	85.	93.	87.	76.	63.	79.	168.	132.	109.	139.	121.	113.	105.	123.	119.	110.	78.	77.	79.	87.	109.	111.	86.	155.	240.	89.	84.	
歷年/10	117.	248.	95.	128.	122.	126.	122.	162.	124.	96.	93.	86.	68.	110.	112.	112.	111.	136.	123.	92.	85.	132.	99.	99.	102.	163.	137.	90.	116.	137.	122.
歷年/11	107.	183.	174.	108.	79.	82.	94.	63.	76.	88.	122.	116.	82.	91.	128.	129.	158.	144.	97.	95.	151.	154.	89.	98.	96.	121.	132.	88.	95.	96.	
歷年/冬	127.	129.	145.	171.	172.	142.	146.	137.	143.	157.	132.	158.	157.	164.	128.	183.	162.	113.	140.	158.	134.	126.	148.	152.	110.	143.	142.	134.	133.	152.	138.
歷年/春	133.	194.	176.	137.	151.	145.	131.	125.	97.	130.	150.	238.	193.	138.	82.	95.	118.	172.	98.	101.	80.	96.	112.	114.	70.	103.	88.	94.	92.	93.	102.
歷年/夏	102.	143.	126.	129.	121.	130.	140.	98.	102.	121.	98.	147.	150.	109.	99.	117.	128.	189.	167.	139.	134.	189.	170.	150.	133.	112.	152.	145.	116.	118.	148.
歷年/秋	153.	248.	174.	128.	122.	126.	122.	162.	124.	168.	132.	116.	139.	121.	128.	129.	158.	144.	123.	95.	151.	154.	99.	109.	111.	163.	155.	240.	116.	137.	122.
歷年/年	153.	248.	176.	171.	172.	145.	146.	162.	143.	168.	150.	238.	193.	164.	128.	183.	162.	189.	167.	158.	151.	189.	170.	152.	133.	163.	155.	240.	133.	152.	148.

單位: cm/s

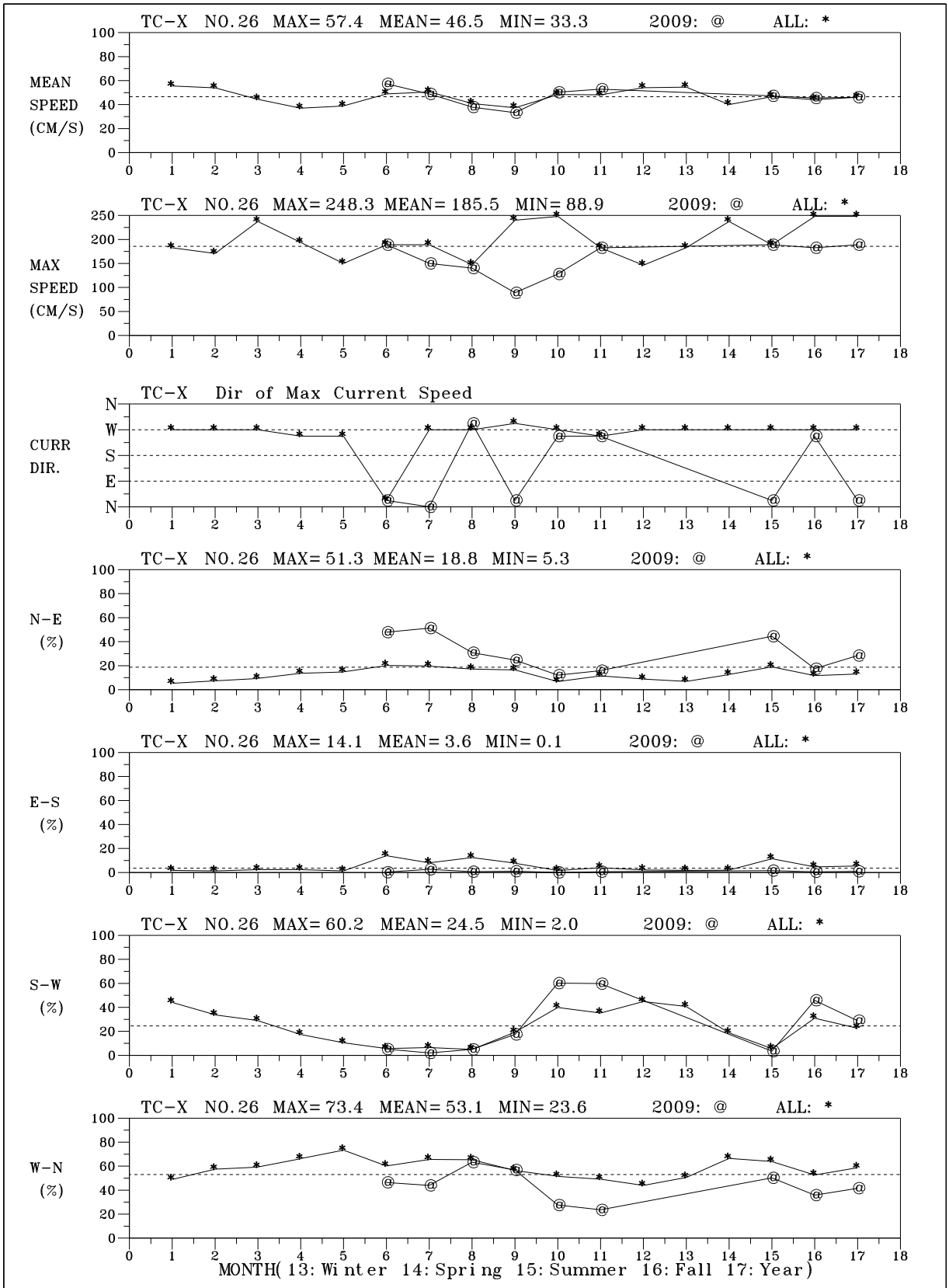


圖5.3.1 臺中港 A 站2009及歷年月季海流統計圖

C09XTCX0.ST2	Institute of Harbor & Marine Technology

PLQC2A1.BAT(PLQCU2A1.FOR) 2010. 10. 19

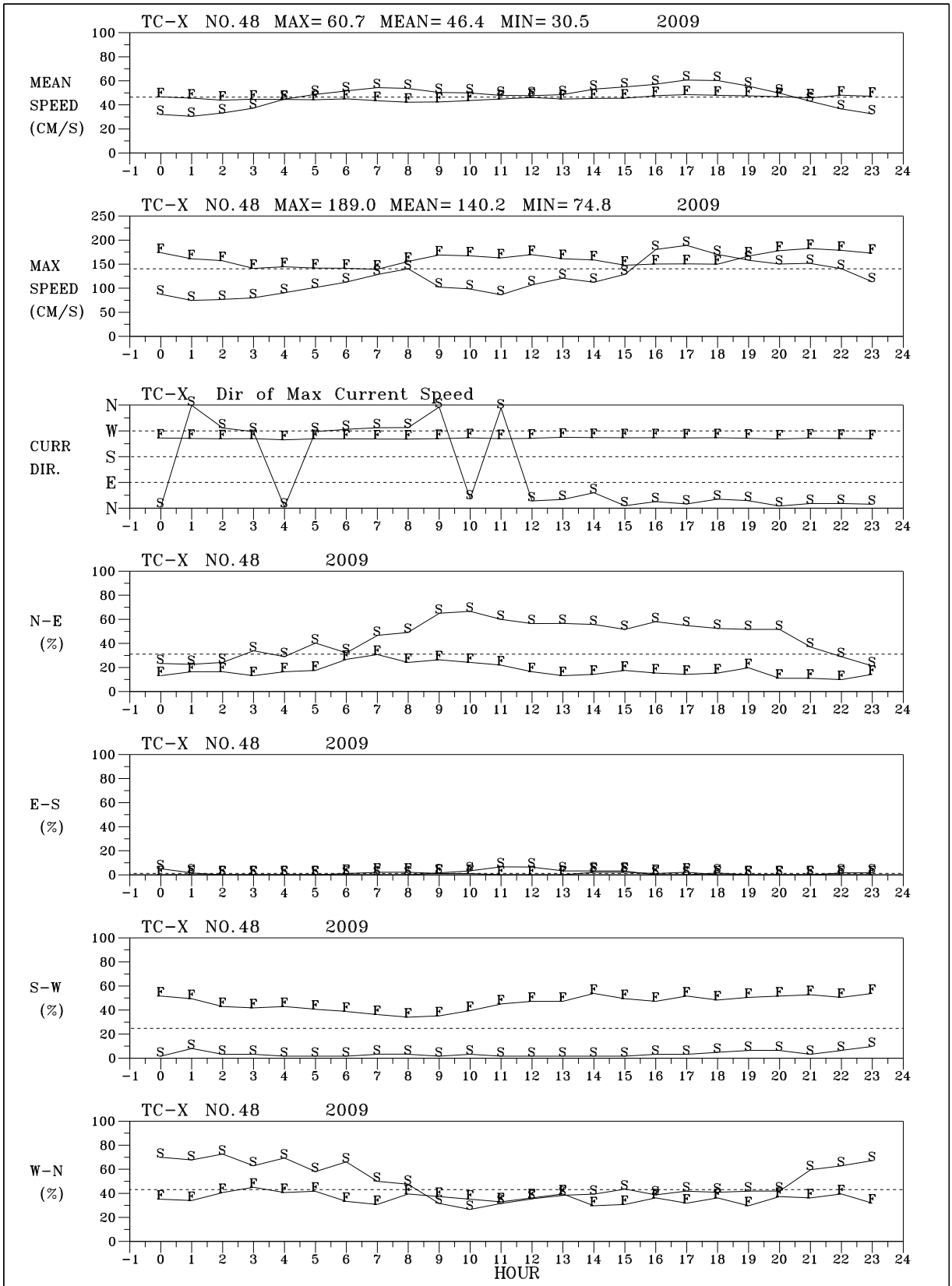


圖5.3.2 臺中港 A 站2009年四季24時海流統計圖

C090TCX0.1HA	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19

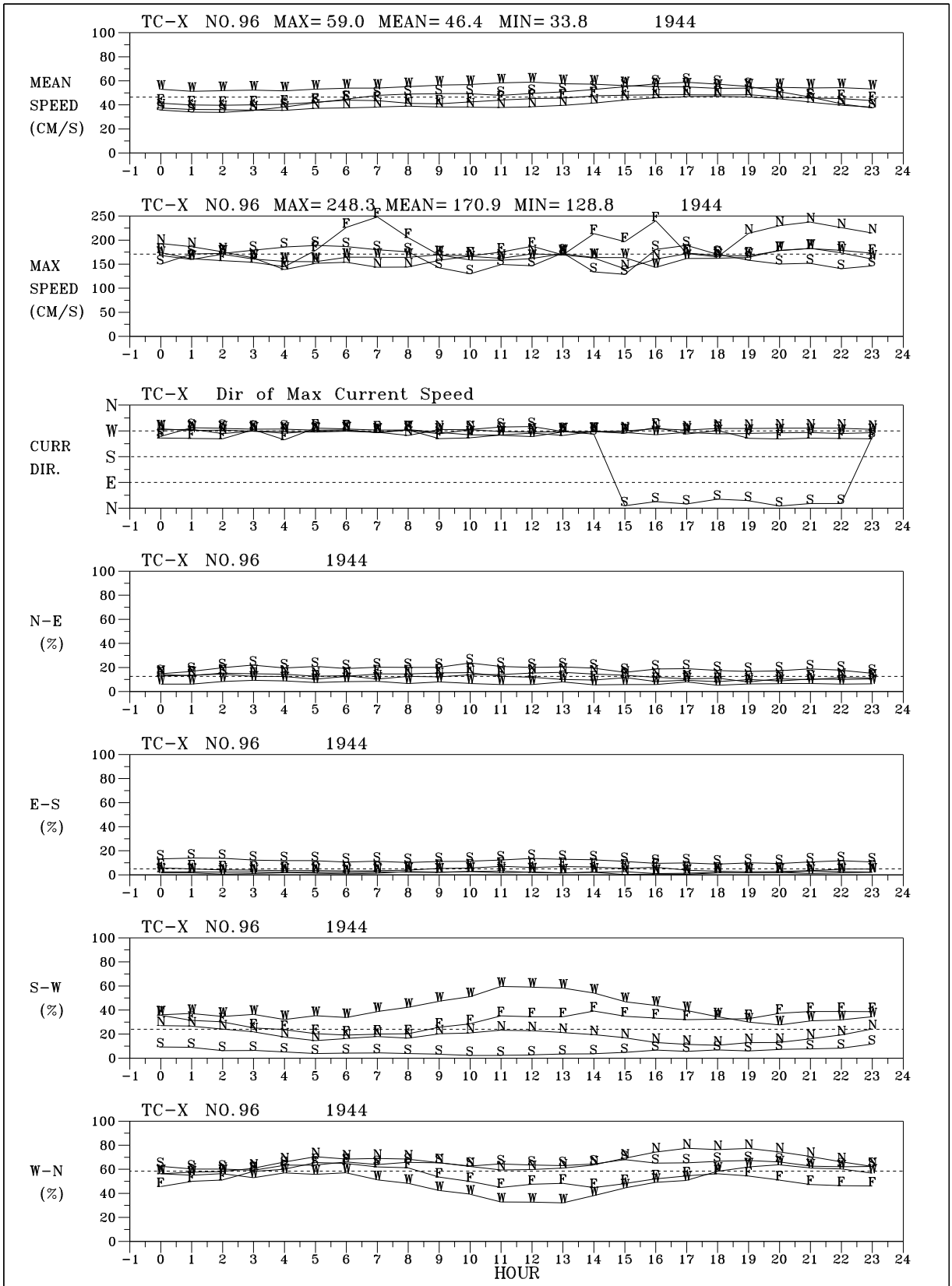


圖5.3.3 臺中港 A 站歷年四季24時海流統計量圖

C440TCX0.1HY	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19

5.4　2009年安平港海流重要參數統計表及統計圖

表5.4.1a 2009年安平港測站 X 觀測流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	730(98%)	18.6	64.9 /NNW	5.8 / SE	70.3	29.2	.5	.0	7.9	53.0	8.4	30.7
2	**2009/01**	690(93%)	19.4	53.8 /NW	7.5 / S	68.4	31.2	.4	.0	2.5	48.8	17.4	31.3
3	**2009/02**	602(90%)	18.0	58.0 /SSE	.2 /WNW	77.7	20.8	1.5	.0	10.6	37.9	14.8	36.7
4	**2009/03**	588(79%)	18.8	54.0 /NNW	1.0 / N	73.5	26.0	.5	.0	9.9	40.0	10.7	39.5
5	**2009/04**	719(100%)	18.1	56.3 /SSE	3.5 / SE	73.6	26.0	.4	.0	11.5	47.0	10.6	30.9
6	**2009/05**	688(93%)	18.7	69.5 /NNW	2.5 /ENE	75.0	23.7	1.3	.0	16.0	40.4	9.6	34.0
7	**2009/06**	714(99%)	22.4	94.0 /NNW	7.5 / N	68.8	25.2	6.0	.0	15.0	31.9	7.8	45.2
8	**2009/07**	727(98%)	23.4	92.1 /WSW	5.8 /NNW	64.0	29.8	6.2	.0	12.1	37.3	7.6	43.1
9	**2009/08**	737(99%)	27.4	147.3 /SSW	3.6 / S	56.4	32.6	9.8	1.2	12.1	34.1	20.1	33.8
10	**2009/09**	719(100%)	21.8	62.0 /SE	2.3 /SSE	64.4	33.7	1.9	.0	13.8	35.5	17.9	32.8
11	**2009/10**	425(57%)	24.0	88.8 /W	8.6 / S	62.4	32.2	5.4	.0	2.8	42.1	26.6	28.5
12	**2009/11**	227(32%)	22.9	57.7 /SSE	19.5 / S	60.8	37.9	1.3	.0	4.4	34.8	54.6	6.2
13	**2009**/冬	2022(94%)	18.7	64.9 /NNW	4.4 /SSE	71.9	27.3	.8	.0	6.9	47.1	13.4	32.7
14	**2009**/春	1995(90%)	18.5	69.5 /NNW	1.9 / E	74.0	25.2	.8	.0	12.6	42.7	10.3	34.5
15	**2009**/夏	2178(99%)	24.4	147.3 /SSW	3.3 /NNW	63.0	29.2	7.3	.4	13.0	34.4	11.9	40.6
16	**2009**/秋	1371(63%)	22.7	88.8 /W	7.0 / S	63.2	33.9	2.9	.0	8.8	37.4	26.7	27.1
17	**2009**/年	7566(86%)	21.0	147.3 /SSW	1.6 /SSE	68.3	28.5	3.1	.1	10.5	40.5	14.5	34.4

表5.4.1b　歷年安平港測站 X 觀測流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	6496(87%)	17.3	57.9 /NNW	2.0 / S	76.6	23.1	.2	.0	9.9	43.0	9.7	37.4
2	歷年/02	5433(89%)	16.1	68.7 /NNW	1.7 / S	81.1	18.6	.3	.0	5.5	46.1	7.2	41.2
3	歷年/03	4609(77%)	16.9	62.4 /SE	1.7 /ESE	79.0	20.7	.3	.0	11.1	44.0	6.5	38.4
4	歷年/04	5597(86%)	17.2	64.4 /SSE	.5 /ESE	77.3	22.4	.2	.0	9.2	43.5	6.0	41.3
5	歷年/05	5606(84%)	19.3	69.5 /NNW	1.6 / SW	70.5	28.3	1.2	.0	6.6	43.1	8.2	42.1
6	歷年/06	6311(88%)	23.0	94.0 /NNW	4.1 / W	60.9	34.6	4.5	.0	7.4	35.8	14.4	42.4
7	歷年/07	5154(77%)	26.7	130.7 /SSE	4.4 /SSW	51.6	39.8	8.5	.2	6.0	46.0	9.8	38.3
8	歷年/08	5431(81%)	26.4	147.3 /SSW	2.2 / SW	52.1	39.7	7.9	.2	7.7	40.7	12.4	39.3
9	歷年/09	5280(92%)	24.1	95.0 /NNW	1.2 / SW	57.0	39.5	3.5	.0	11.1	39.1	12.1	37.7
10	歷年/10	4836(72%)	23.6	95.7 /NNW	3.9 / S	58.0	38.5	3.4	.0	6.6	45.3	10.4	37.6
11	歷年/11	5589(78%)	20.1	82.1 /SE	1.4 / S	68.8	29.8	1.4	.0	8.0	44.1	10.0	37.9
12	歷年/12	5547(83%)	18.5	74.0 /SE	2.9 / SE	72.8	26.6	.6	.0	14.6	42.0	11.6	31.8
13	歷年/冬	17476(86%)	17.3	74.0 /SE	2.1 /SSE	76.8	22.8	.4	.0	10.0	43.6	9.5	36.8
14	歷年/春	15812(83%)	17.8	69.5 /NNW	.7 /SSE	75.4	24.0	.6	.0	8.8	43.5	6.9	40.7
15	歷年/夏	16896(82%)	25.2	147.3 /SSW	3.0 / SW	55.2	37.8	6.8	.1	7.0	40.5	12.3	40.2
16	歷年/秋	15705(80%)	22.5	95.7 /NNW	2.0 / S	61.5	35.8	2.7	.0	8.6	42.8	10.8	37.7
17	歷年/年	65889(83%)	20.7	147.3 /SSW	1.6 /SSW	67.3	30.0	2.6	.0	8.6	42.6	9.9	38.8

表5.4.1c 2009年安平港測站 X 潮流流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	744(100%)	15.5	47.7 /NNW	.0 / N	83.9	16.1	.0	.0	2.6	48.0	3.4	46.1
2	**2009/01**	744(100%)	14.6	41.3 /NNW	.0 / SE	88.3	11.7	.0	.0	5.0	46.8	4.4	43.8
3	**2009/02**	603(90%)	15.5	44.4 /NNW	.1 /SSE	82.3	17.7	.0	.0	7.5	45.3	5.6	41.6
4	**2009/03**	604(81%)	16.0	39.7 /NNW	.0 /SSW	80.1	19.9	.0	.0	2.8	47.4	4.0	45.9
5	**2009/04**	720(100%)	14.6	34.1 /SE	.0 / SE	84.9	15.1	.0	.0	3.9	49.2	1.9	45.0
6	**2009/05**	744(100%)	14.3	39.2 /NNW	.1 /NNW	87.4	12.6	.0	.0	4.3	47.0	2.8	45.8
7	**2009/06**	720(100%)	17.9	44.3 /SSE	.0 /NNE	75.1	24.9	.0	.0	2.5	47.4	4.0	46.1
8	**2009/07**	744(100%)	19.3	50.0 /NNW	.1 / N	70.0	30.0	.0	.0	3.9	46.0	5.8	44.4
9	**2009/08**	744(100%)	18.9	44.3 /SE	.1 / E	73.1	26.9	.0	.0	9.7	41.4	9.9	39.0
10	**2009/09**	720(100%)	16.0	42.2 /SE	.0 / S	84.6	15.3	.0	.0	8.1	37.2	14.2	40.4
11	**2009/10**	495(67%)	16.0	44.5 /SE	.1 / N	83.6	16.4	.0	.0	4.2	44.8	5.5	45.5
12	**2009/11**	288(40%)	10.1	22.0 /NNE	.0 /ENE	100.0	.0	.0	.0	18.4	26.0	26.4	29.2
13	**2009**/冬	2091(97%)	15.2	47.7 /NNW	.0 /SSE	85.0	15.0	.0	.0	4.8	46.8	4.4	44.0
14	**2009**/春	2068(94%)	14.9	39.7 /NNW	.0 /NNE	84.4	15.6	.0	.0	3.7	47.9	2.9	45.6
15	**2009**/夏	2208(100%)	18.7	50.0 /NNW	.0 / NE	72.7	27.3	.0	.0	5.4	44.9	6.6	43.1
16	**2009**/秋	1503(69%)	14.9	44.5 /SE	.0 / NE	87.2	12.7	.0	.0	8.8	37.6	13.6	39.9
17	**2009**/年	7870(90%)	16.0	50.0 /NNW	.0 /ENE	81.8	18.2	.0	.0	5.5	44.8	6.4	43.4

表5.4.1d　歷年安平港測站 X 潮流流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	6908(93%)	13.6	45.6 /NNW	.0 /SSW	89.6	10.4	.0	.0	5.5	44.9	5.7	43.8
2	歷年/02	5495(90%)	13.9	45.9 /SE	.0 / SW	89.2	10.8	.0	.0	2.8	47.8	2.2	47.1
3	歷年/03	4893(82%)	13.2	40.5 /NNW	.0 / NW	91.0	9.0	.0	.0	3.2	46.9	3.5	46.3
4	歷年/04	6212(96%)	13.0	41.6 /SE	.0 / NW	90.0	10.0	.0	.0	2.2	47.4	3.7	46.7
5	歷年/05	6197(93%)	14.9	47.8 /NNW	.0 / NW	84.8	15.2	.0	.0	3.4	47.0	3.1	46.5
6	歷年/06	6816(95%)	16.9	54.6 /NW	.0 /WSW	75.4	24.2	.3	.0	2.8	47.5	3.5	46.2
7	歷年/07	5177(77%)	22.4	63.7 /NNW	.0 /ESE	59.2	38.7	2.0	.0	2.9	48.0	2.8	46.4
8	歷年/08	6308(94%)	19.0	61.9 /NNW	.0 / NW	69.4	29.5	1.1	.0	4.7	46.4	4.3	44.6
9	歷年/09	5760(100%)	17.7	55.6 /NNW	.0 /SSE	74.4	25.3	.2	.0	3.6	46.2	4.6	45.6
10	歷年/10	6262(94%)	15.9	56.8 /NW	.0 / SE	79.2	20.5	.3	.0	3.7	47.0	3.6	45.7
11	歷年/11	5849(81%)	16.1	49.7 /NNW	.0 / E	80.4	19.6	.0	.0	2.9	47.2	3.7	46.3
12	歷年/12	5903(88%)	15.2	48.7 /NNW	.0 / SE	85.8	14.2	.0	.0	9.3	41.1	9.5	40.1
13	歷年/冬	18306(90%)	14.2	48.7 /NNW	.0 / S	88.3	11.7	.0	.0	5.9	44.6	5.9	43.6
14	歷年/春	17302(91%)	13.7	47.8 /NNW	.0 / NW	88.4	11.6	.0	.0	2.9	47.1	3.5	46.5
15	歷年/夏	18301(89%)	19.2	63.7 /NNW	.0 /WNW	68.8	30.1	1.1	.0	3.5	47.3	3.6	45.7
16	歷年/秋	17871(91%)	16.6	56.8 /NW	.0 / SE	78.0	21.8	.2	.0	3.4	46.8	3.9	45.9
17	歷年/年	71780(90%)	16.0	63.7 /NNW	.0 /SSE	80.8	18.9	.3	.0	3.9	46.4	4.2	45.4

表5.4.1e 2009年安平港測站 X 非潮流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	730(98%)	10.3	38.2 /SSE	5.9 / SE	97.8	2.2	.0	.0	14.2	58.5	12.3	14.9
2	**2009/01**	690(93%)	11.5	33.3 /SSE	7.5 / S	96.5	3.5	.0	.0	4.3	47.2	31.9	16.5
3	**2009/02**	602(90%)	9.0	33.3 /S	.2 /WNW	99.5	.5	.0	.0	20.4	23.4	28.1	28.1
4	**2009/03**	588(79%)	8.9	28.3 /SE	.9 /NNE	99.5	.5	.0	.0	27.0	26.2	19.4	27.4
5	**2009/04**	719(100%)	10.5	33.7 /NNW	3.5 / SE	97.6	2.4	.0	.0	24.6	46.2	12.8	16.4
6	**2009/05**	688(93%)	10.7	35.2 /N	2.6 /ENE	97.5	2.5	.0	.0	33.1	32.0	16.3	18.6
7	**2009/06**	714(99%)	13.8	92.2 /NNW	7.5 / N	90.1	7.8	2.1	.0	36.6	15.3	9.7	38.5
8	**2009/07**	727(98%)	13.3	97.1 /W	5.4 / N	93.9	5.2	.8	.0	30.5	16.4	13.3	39.8
9	**2009/08**	737(99%)	19.6	132.7 /SW	3.7 / S	79.2	14.9	5.3	.5	19.0	31.2	22.4	27.4
10	**2009/09**	719(100%)	14.5	48.1 /SE	2.2 /SSE	88.3	11.7	.0	.0	21.1	30.9	21.4	26.6
11	**2009/10**	425(57%)	15.1	92.0 /W	8.4 / S	86.4	13.2	.5	.0	8.9	32.7	41.4	16.9
12	**2009/11**	227(32%)	20.8	46.1 /S	19.8 / S	71.4	28.6	.0	.0	.9	34.4	64.3	.4
13	**2009**/冬	2022(94%)	10.3	38.2 /SSE	4.4 /SSE	97.9	2.1	.0	.0	12.7	44.2	23.7	19.4
14	**2009**/春	1995(90%)	10.1	35.2 /N	2.0 / E	98.1	1.9	.0	.0	28.3	35.4	15.9	20.4
15	**2009**/夏	2178(99%)	15.6	132.7 /SW	3.1 /NNW	87.7	9.4	2.8	.2	28.6	21.0	15.2	35.2
16	**2009**/秋	1371(63%)	15.8	92.0 /W	6.9 / S	84.9	15.0	.1	.0	14.0	32.0	34.7	19.3
17	**2009**/年	7566(86%)	12.8	132.7 /SW	1.7 /SSE	92.7	6.5	.8	.1	21.6	33.0	21.2	24.2

表5.4.1f 歷年安平港測站 X 非潮流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	6496(87%)	9.2	50.0 /N	2.0 / S	97.1	2.9	.0	.0	12.9	36.5	23.3	27.3
2	歷年/02	5433(89%)	7.8	55.3 /SSE	1.7 / S	98.8	1.2	.0	.0	9.5	37.1	22.2	31.2
3	歷年/03	4609(77%)	9.6	40.2 /SE	1.7 /ESE	97.9	2.1	.0	.0	19.5	36.6	12.9	31.0
4	歷年/04	5597(86%)	9.3	46.4 /S	.5 /ESE	97.8	2.2	.0	.0	18.7	38.1	10.9	32.4
5	歷年/05	5606(84%)	10.3	56.4 /SE	1.5 / SW	96.0	4.0	.1	.0	11.5	33.7	22.5	32.2
6	歷年/06	6311(88%)	13.7	92.2 /NNW	4.1 / W	87.9	11.6	.5	.0	13.0	21.7	26.2	39.1
7	歷年/07	5154(77%)	14.3	130.3 /SSE	4.4 /SSW	89.4	9.5	1.0	.1	9.5	36.2	27.4	26.9
8	歷年/08	5431(81%)	15.2	132.7 /SW	2.2 / SW	87.7	10.7	1.5	.1	12.9	33.8	22.7	30.6
9	歷年/09	5280(92%)	14.3	85.3 /NNW	1.2 / SW	90.9	8.9	.2	.0	19.1	27.4	25.3	28.2
10	歷年/10	4836(72%)	13.2	92.0 /W	3.9 / S	93.5	6.1	.4	.0	10.1	41.9	23.9	24.2
11	歷年/11	5589(78%)	10.8	74.1 /ENE	1.4 / S	96.0	3.9	.2	.0	13.6	35.4	19.9	31.1
12	歷年/12	5547(83%)	9.5	70.0 /SE	2.9 / SE	97.6	2.3	.0	.0	22.0	41.1	18.4	18.5
13	歷年/冬	17476(86%)	8.9	70.0 /SE	2.1 /SSE	97.8	2.2	.0	.0	14.8	38.1	21.4	25.7
14	歷年/春	15812(83%)	9.8	56.4 /SE	.7 /SSE	97.2	2.8	.0	.0	16.4	36.1	15.6	31.9
15	歷年/夏	16896(82%)	14.4	132.7 /SW	3.0 / SW	88.3	10.7	1.0	.1	11.9	30.0	25.4	32.6
16	歷年/秋	15705(80%)	12.7	92.0 /W	2.0 / S	93.5	6.2	.3	.0	14.4	34.7	22.9	28.0
17	歷年/年	65889(83%)	11.4	132.7 /SW	1.6 /SSW	94.2	5.5	.3	.0	14.3	34.7	21.4	29.5

表5.4.1g 2009年安平港測站 X48時平均流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	697(94%)	6.9	18.4 /SE	5.8 / SE	100.0	.0	.0	.0	10.9	74.0	6.5	8.6
2	**2009/01**	697(94%)	9.1	18.8 /SSE	8.1 / S	100.0	.0	.0	.0	.0	58.1	34.4	7.5
3	**2009/02**	556(83%)	4.8	10.4 /NNE	.2 / SW	100.0	.0	.0	.0	25.7	22.7	35.4	16.2
4	**2009/03**	557(75%)	4.1	9.4 /SSE	1.3 / N	99.8	.0	.0	.0	29.3	22.1	5.2	43.3
5	**2009/04**	673(94%)	6.3	14.2 /SSE	3.7 / SE	100.0	.0	.0	.0	26.2	62.9	3.9	7.1
6	**2009/05**	680(91%)	5.2	17.1 /NNW	2.2 / E	100.0	.0	.0	.0	43.4	42.5	6.3	7.8
7	**2009/06**	673(94%)	10.0	35.5 /NW	7.7 / N	93.3	6.7	.0	.0	46.1	6.4	1.9	45.6
8	**2009/07**	697(94%)	8.8	17.1 /N	6.1 / N	100.0	.0	.0	.0	31.1	11.3	12.6	44.9
9	**2009/08**	697(94%)	13.0	59.0 /S	3.9 /SSW	89.4	8.2	2.4	.0	6.0	44.9	11.8	37.3
10	**2009/09**	673(94%)	7.5	21.3 /S	2.9 /SSE	100.0	.0	.0	.0	15.5	44.3	20.1	20.2
11	**2009/10**	448(60%)	10.8	21.5 /SE	9.2 / S	100.0	.0	.0	.0	3.3	32.8	63.8	.0
12	**2009/11**	241(34%)	19.4	23.9 /S	19.2 / S	100.0	.0	.0	.0	.0	27.8	72.2	.0
13	**2009**/冬	1950(90%)	7.1	18.8 /SSE	4.8 /SSE	100.0	.0	.0	.0	11.2	53.7	24.7	10.4
14	**2009**/春	1910(87%)	5.3	17.1 /NNW	1.8 / E	99.9	.0	.0	.0	33.2	43.7	5.1	17.9
15	**2009**/夏	2067(94%)	10.6	59.0 /S	3.4 /NNW	94.2	4.9	.8	.0	27.5	21.0	8.9	42.6
16	**2009**/秋	1362(62%)	10.7	23.9 /S	7.7 / S	100.0	.0	.0	.0	8.7	37.6	43.7	10.0
17	**2009**/年	7289(83%)	8.3	59.0 /S	1.9 /SSE	98.4	1.4	.2	.0	21.1	38.8	18.6	21.4

表5.4.2 2009年及歷年安平港測站 X 觀測流速分佈百分比 (%) 統計表

流速 (cm/s) 年、月	0 ～ 5	5 ～ 10	10 ～ 15	15 ～ 20	20 ～ 25	25 ～ 30	30 ～ 35	35 ～ 40	40 ～ 45	45 ～ 50	50 ～ 60	60 ～ 80	80 ～ 100	100～ 120	120～ 150	150 <	合計 (%)
2008/12	10.3	20.3	15.2	14.5	10.0	9.6	8.6	7.3	2.1	1.6	.4	.1	.0	.0	.0	.0	100.
2009/01	8.1	16.4	17.8	13.3	12.8	11.2	9.9	5.9	2.9	1.3	.4	.0	.0	.0	.0	.0	100.
2009/02	6.0	17.1	21.4	19.9	13.3	9.1	5.8	3.3	1.5	1.0	1.5	.0	.0	.0	.0	.0	100.
2009/03	6.0	17.7	18.5	17.9	13.4	9.9	7.1	4.9	2.7	1.4	.5	.0	.0	.0	.0	.0	100.
2009/04	6.5	18.1	22.5	15.4	11.0	11.4	6.4	6.0	2.1	.1	.4	.0	.0	.0	.0	.0	100.
2009/05	6.8	14.7	21.8	16.6	15.1	12.6	5.1	3.6	1.6	.7	.7	.6	.0	.0	.0	.0	100.
2009/06	5.5	13.0	16.9	17.6	15.7	9.0	5.3	4.5	3.4	3.1	2.9	2.2	.8	.0	.0	.0	100.
2009/07	5.4	12.8	14.0	16.1	15.7	9.4	8.1	5.0	4.3	3.2	3.6	2.3	.3	.0	.0	.0	100.
2009/08	2.7	10.4	14.4	14.9	14.0	10.4	9.6	4.5	4.7	3.3	5.0	3.1	1.6	.8	.4	.0	100.
2009/09	4.3	9.9	17.0	17.5	15.7	12.9	9.6	6.0	3.1	2.1	1.8	.1	.0	.0	.0	.0	100.
2009/10	2.6	10.6	12.2	20.0	16.9	9.4	12.0	4.7	3.1	3.1	2.6	2.6	.2	.0	.0	.0	100.
2009/11	4.4	11.9	16.7	12.8	15.0	9.7	8.8	8.8	7.0	3.5	1.3	.0	.0	.0	.0	.0	100.
2009/冬	8.3	18.0	18.0	15.7	11.9	10.0	8.2	5.6	2.2	1.3	.7	.0	.0	.0	.0	.0	100.
2009/春	6.5	16.8	21.1	16.5	13.1	11.4	6.2	4.9	2.1	.7	.6	.2	.0	.0	.0	.0	100.
2009/夏	4.5	12.1	15.1	16.2	15.1	9.6	7.7	4.6	4.1	3.2	3.9	2.6	.9	.3	.1	.0	100.
2009/秋	3.8	10.4	15.5	17.5	16.0	11.3	10.2	6.1	3.7	2.6	2.0	.9	.1	.0	.0	.0	100.
2009/年	5.9	14.6	17.5	16.4	13.9	10.5	7.9	5.2	3.0	1.9	1.8	1.0	.3	.1	.0	.0	100.
歷年/**01**	10.5	18.7	18.4	15.8	13.3	10.0	6.6	4.1	1.8	.7	.2	.0	.0	.0	.0	.0	100.
歷年/**02**	13.0	19.3	18.1	17.8	12.9	8.4	5.7	2.9	1.2	.5	.3	.0	.0	.0	.0	.0	100.
歷年/**03**	11.6	17.8	19.1	16.2	14.3	9.7	5.2	3.2	1.7	.8	.3	.0	.0	.0	.0	.0	100.
歷年/**04**	10.1	17.7	19.5	16.1	14.0	11.0	6.2	3.3	1.4	.6	.2	.0	.0	.0	.0	.0	100.
歷年/**05**	8.9	14.6	16.3	16.8	13.9	12.3	7.2	4.9	2.7	1.3	1.0	.2	.0	.0	.0	.0	100.
歷年/**06**	6.1	12.0	14.7	14.4	13.8	11.6	9.4	6.4	4.2	2.8	2.8	1.5	.2	.0	.0	.0	100.
歷年/**07**	4.7	10.7	12.1	12.0	12.2	11.3	9.3	8.2	6.6	4.5	5.2	2.8	.5	.1	.0	.0	100.
歷年/**08**	4.5	10.8	11.9	12.9	11.9	11.7	10.1	7.9	5.9	4.0	4.4	2.8	.7	.2	.1	.0	100.
歷年/**09**	3.8	9.8	13.3	15.9	14.2	12.1	10.0	8.4	5.2	3.8	3.0	.4	.1	.0	.0	.0	100.
歷年/**10**	4.9	12.3	13.3	13.5	14.0	11.1	10.2	8.0	5.5	3.8	2.6	.7	.1	.0	.0	.0	100.
歷年/**11**	7.1	15.8	15.5	16.0	14.3	11.5	8.0	5.3	3.3	1.6	1.0	.4	.0	.0	.0	.0	100.
歷年/**12**	10.0	16.8	16.6	16.0	13.5	10.7	7.5	4.9	2.2	1.2	.5	.1	.0	.0	.0	.0	100.
歷年/冬	11.1	18.3	17.7	16.5	13.2	9.7	6.6	4.0	1.7	.8	.3	.0	.0	.0	.0	.0	100.
歷年/春	10.1	16.6	18.2	16.4	14.0	11.1	6.3	3.8	2.0	.9	.5	.1	.0	.0	.0	.0	100.
歷年/夏	5.2	11.2	13.0	13.2	12.7	11.5	9.6	7.4	5.5	3.7	4.0	2.3	.4	.1	.0	.0	100.
歷年/秋	5.3	12.7	14.1	15.2	14.2	11.6	9.4	7.2	4.6	3.0	2.2	.5	.1	.0	.0	.0	100.
歷年/年	8.0	14.7	15.8	15.3	13.5	11.0	7.9	5.6	3.4	2.1	1.8	.7	.1	.0	.0	.0	100.

表5.4.3 2009年及歷年安平港測站 X 觀測流向分佈百分比 (%) 統計表

流向 年、月	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	合計 (%)
2008/12	5.1	3.0	.8	1.1	2.1	6.0	19.7	22.5	4.8	3.2	1.6	1.4	1.6	3.3	7.3	16.6	100.
2009/01	1.0	.9	.6	.3	.7	2.6	8.8	28.8	13.2	3.8	3.8	2.3	5.5	5.7	12.9	9.1	100.
2009/02	5.1	2.5	1.3	1.8	2.8	7.0	7.5	17.6	9.0	4.0	3.2	2.3	2.8	4.3	12.6	16.1	100.
2009/03	6.1	2.2	1.7	2.6	1.4	6.6	13.9	16.0	4.6	2.6	2.6	2.6	1.9	3.2	13.6	18.5	100.
2009/04	5.4	2.8	1.7	2.8	4.6	6.1	18.9	16.8	4.7	2.5	2.1	2.5	1.5	2.8	7.1	17.7	100.
2009/05	7.7	3.2	4.1	3.1	3.8	7.6	16.9	12.2	3.9	2.9	2.0	1.5	3.1	3.8	6.7	17.7	100.
2009/06	10.5	2.2	2.0	3.6	6.3	9.9	10.8	5.9	4.9	2.0	2.1	.7	1.4	2.9	12.0	22.7	100.
2009/07	9.6	2.9	2.1	1.8	3.7	8.4	9.9	12.5	6.2	1.7	1.2	1.5	2.8	3.6	9.4	22.8	100.
2009/08	5.8	3.1	1.8	3.4	2.8	8.3	9.8	11.1	5.6	5.8	5.4	4.1	4.1	7.3	10.6	11.0	100.
2009/09	4.0	3.6	2.1	3.9	6.0	8.5	10.8	9.2	6.4	4.0	3.6	5.1	4.7	8.9	10.3	8.8	100.
2009/10	1.6	.9	.2	.2	1.4	4.5	11.3	17.6	15.1	8.0	6.6	3.8	4.0	7.3	8.0	9.4	100.
2009/11	1.3	1.8	.0	1.3	.4	.9	3.5	10.6	39.6	22.5	7.0	4.4	2.2	.0	3.5	.9	100.
2009/冬	3.7	2.1	.9	1.0	1.8	5.1	12.4	23.2	8.9	3.6	2.8	2.0	3.3	4.4	10.8	13.9	100.
2009/春	6.4	2.8	2.5	2.8	3.4	6.8	16.7	15.0	4.4	2.7	2.2	2.2	2.2	3.3	8.9	17.9	100.
2009/夏	8.6	2.8	1.9	2.9	4.3	8.9	10.1	9.9	5.6	3.2	2.9	2.1	2.8	4.6	10.7	18.8	100.
2009/秋	2.8	2.5	1.2	2.3	3.6	6.0	9.8	12.0	14.6	8.3	5.1	4.6	4.1	6.9	8.5	7.7	100.
2009/年	5.7	2.5	1.7	2.3	3.3	6.8	12.4	15.2	7.8	4.1	3.1	2.5	3.0	4.6	9.8	15.2	100.
歷年/**01**	4.7	4.0	1.6	1.1	1.6	2.5	13.0	23.2	6.1	2.5	1.6	1.5	3.7	4.8	13.7	14.5	100.
歷年/**02**	3.1	1.4	1.1	1.1	1.5	3.1	17.0	21.6	5.3	1.9	1.2	1.1	3.2	6.8	17.4	13.3	100.
歷年/**03**	5.8	2.7	2.1	2.4	2.9	7.5	19.3	11.9	5.7	2.0	1.1	.8	1.4	4.4	12.8	17.2	100.
歷年/**04**	4.7	2.6	1.9	1.8	2.8	4.8	17.8	16.1	4.8	1.6	.9	1.1	1.7	4.8	18.5	14.0	100.
歷年/**05**	4.0	1.5	1.4	1.1	1.7	5.1	12.9	19.9	6.7	2.0	1.5	1.3	2.6	9.1	17.9	11.3	100.
歷年/**06**	4.4	1.7	1.4	1.6	2.4	4.8	14.0	11.7	6.6	4.5	2.7	2.7	5.0	9.2	16.7	10.7	100.
歷年/**07**	3.7	1.5	1.2	1.2	1.6	3.1	11.3	25.3	7.5	2.2	1.8	2.1	3.4	7.3	15.9	11.0	100.
歷年/**08**	4.2	1.6	1.2	1.9	3.0	5.6	10.8	18.5	6.4	2.9	2.6	2.6	4.4	6.7	15.9	11.9	100.
歷年/**09**	5.6	2.9	2.2	2.0	3.8	5.8	13.6	13.1	7.0	2.6	2.6	2.8	4.1	8.3	13.7	10.0	100.
歷年/**10**	3.3	1.7	1.4	1.4	2.1	3.7	17.8	18.8	6.0	2.9	2.0	1.9	3.5	6.9	16.5	10.0	100.
歷年/**11**	5.5	2.1	1.3	1.1	2.5	6.3	13.2	18.8	7.3	3.4	1.5	1.2	1.9	3.3	17.3	13.3	100.
歷年/**12**	7.1	6.1	2.7	1.4	2.1	4.2	13.5	20.0	7.1	4.9	1.4	.9	1.2	3.8	11.5	12.2	100.
歷年/冬	4.9	3.8	1.8	1.2	1.7	3.2	14.4	21.7	6.1	3.1	1.4	1.2	2.8	5.1	14.1	13.4	100.
歷年/春	4.8	2.3	1.8	1.7	2.4	5.7	16.5	16.2	5.7	1.8	1.2	1.1	1.9	6.2	16.7	14.0	100.
歷年/夏	4.1	1.6	1.2	1.6	2.3	4.5	12.1	18.0	6.8	3.3	2.4	2.5	4.3	7.8	16.2	11.2	100.
歷年/秋	4.9	2.3	1.6	1.5	2.8	5.3	14.7	16.9	6.8	3.0	2.1	1.9	3.1	6.1	15.8	11.2	100.
歷年/年	4.7	2.5	1.6	1.5	2.3	4.7	14.4	18.3	6.4	2.8	1.8	1.7	3.0	6.3	15.7	12.4	100.

表5.4.4a 安平港2009年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12	19.8	22.8	23.8	23.4	21.5	18.2	18.6	19.0	20.8	21.0	19.3	15.3	14.6	17.0	19.6	22.8	19.8	17.7	15.8	15.2	15.0	13.9	14.5	15.5
2009/01	16.9	16.1	17.9	18.2	18.8	19.1	19.1	19.3	23.1	24.2	25.3	20.3	17.0	16.3	19.4	22.2	21.4	19.4	17.7	16.6	17.8	20.5	20.3	20.0
2009/02	20.0	20.8	18.2	16.3	15.8	17.4	19.7	23.5	22.9	21.1	18.7	16.1	16.7	15.7	16.0	16.4	16.2	15.0	15.1	17.8	17.9	16.9	17.8	20.0
2009/03	20.8	20.0	21.0	19.7	17.9	18.2	21.1	22.5	20.4	19.0	14.3	12.1	14.2	18.6	22.1	20.7	17.4	16.9	15.9	17.0	19.8	21.4	19.2	22.1
2009/04	24.2	22.5	16.9	16.9	16.5	14.8	15.7	15.0	14.9	15.3	15.9	15.6	17.6	20.5	20.2	20.0	17.0	16.0	16.8	18.4	19.5	19.2	21.8	23.0
2009/05	21.4	18.6	17.6	17.5	19.3	17.0	18.6	17.2	14.8	12.7	14.5	19.0	19.7	19.7	19.6	18.5	18.7	18.3	20.9	20.5	20.8	19.5	22.6	21.2
2009/06	21.9	21.4	22.0	22.7	23.2	21.5	19.7	19.7	20.3	19.5	21.2	23.5	22.7	21.8	22.1	22.5	22.4	19.9	22.1	24.6	26.9	28.2	24.6	22.7
2009/07	22.6	21.6	19.0	20.0	19.8	23.7	20.9	19.7	20.1	21.8	21.4	20.9	19.3	20.3	22.0	23.4	25.1	26.2	26.6	26.9	28.4	30.6	30.3	28.6
2009/08	26.7	28.9	25.6	27.3	28.1	27.3	23.7	20.3	21.5	20.1	22.9	24.9	27.9	31.0	33.2	37.4	37.1	31.6	30.4	28.8	25.5	23.4	25.0	28.0
2009/09	18.1	17.8	19.6	19.8	20.2	20.0	20.6	19.5	20.5	18.6	20.4	21.5	23.3	26.2	26.8	29.1	27.4	26.9	26.1	25.0	21.4	20.0	18.3	16.9
2009/10	21.2	23.5	22.3	22.4	20.3	19.3	22.3	26.7	24.8	25.5	24.4	26.3	26.5	32.1	34.0	27.9	23.4	19.3	24.3	23.3	22.7	17.7	18.9	16.5
2009/11	23.0	24.7	27.3	22.5	26.5	22.2	20.0	15.7	19.2	13.7	23.9	25.0	10.2	19.1	21.7	21.7	25.0	22.9	23.8	24.6	25.9	27.8	27.3	25.3
2009/冬	18.9	19.9	20.1	19.4	18.9	18.3	19.1	20.4	22.2	22.1	21.1	17.2	16.1	16.4	18.4	20.7	19.3	17.5	16.2	16.5	16.8	17.2	17.5	18.4
2009/春	22.2	20.4	18.3	17.9	17.9	16.5	18.2	17.9	16.5	15.5	14.9	15.7	17.3	19.6	20.5	19.7	17.7	17.0	17.9	18.7	20.0	20.0	21.3	22.1
2009/夏	23.7	24.0	22.2	23.3	23.7	24.2	21.6	19.9	20.6	20.5	21.9	23.1	23.3	24.4	25.8	27.9	28.3	26.0	26.4	26.8	26.9	27.4	26.7	26.5
2009/秋	19.8	20.6	21.6	21.0	21.2	20.1	21.0	21.3	21.8	20.4	22.3	23.7	24.4	26.8	28.2	27.4	25.7	23.8	25.2	24.5	22.5	20.7	20.0	18.2
2009/年	21.3	21.3	20.5	20.4	20.4	19.9	19.9	19.8	20.2	19.6	19.9	19.7	19.9	21.5	23.0	23.8	22.7	21.0	21.2	21.5	21.6	21.5	21.6	21.7

單位: cm/s

表5.4.4b 安平港 歷年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/**12**	18.2	19.0	19.0	19.1	18.5	18.2	18.2	18.7	19.8	20.0	19.6	18.7	18.7	19.4	20.3	21.3	19.5	18.3	16.4	16.0	16.0	16.4	16.6	17.0
歷年/**01**	17.8	18.5	18.2	17.0	16.4	16.1	16.8	17.6	18.9	19.1	19.0	18.1	17.6	17.8	18.3	18.2	17.2	15.8	15.5	15.8	15.8	16.3	16.1	16.9
歷年/**02**	16.7	17.4	17.1	16.6	15.9	15.2	15.5	16.5	17.1	16.8	16.5	15.6	15.5	15.9	17.3	17.5	16.7	15.4	14.3	14.6	15.5	15.5	15.7	16.3
歷年/**03**	17.3	17.0	17.2	16.7	15.8	16.0	16.4	17.5	18.1	17.7	16.2	14.9	15.1	16.8	17.6	18.3	17.5	16.1	16.2	16.5	17.6	17.6	16.9	17.7
歷年/**04**	20.0	19.2	17.8	16.8	15.8	15.1	15.5	16.0	15.9	16.0	15.8	16.1	17.0	17.5	18.0	18.0	16.9	16.1	16.7	16.9	17.7	18.2	19.6	20.0
歷年/**05**	21.8	21.9	20.7	20.0	19.5	18.6	17.6	16.9	16.3	15.8	16.6	17.5	18.1	18.5	19.5	19.4	19.1	18.4	19.2	20.4	21.2	21.7	22.6	22.4
歷年/**06**	24.4	23.9	23.8	23.3	23.1	22.3	21.7	20.9	20.8	20.8	21.4	22.0	22.7	22.7	22.9	22.5	22.2	22.1	23.1	24.0	25.5	25.9	25.6	24.6
歷年/**07**	28.0	26.4	25.7	25.7	24.7	24.5	24.0	23.8	23.8	24.6	25.0	24.8	24.9	25.7	27.0	27.1	26.9	27.5	28.3	28.5	29.1	31.1	31.9	30.4
歷年/**08**	26.2	25.2	24.2	23.7	24.0	23.8	23.9	23.7	23.6	23.8	24.5	25.7	26.6	27.6	27.6	29.4	29.9	29.7	30.2	29.9	28.5	28.1	27.4	27.2
歷年/**09**	23.0	23.7	24.1	23.9	22.2	20.5	21.2	22.9	24.3	25.4	25.6	25.9	26.3	25.6	25.6	25.5	24.5	24.3	24.3	24.4	24.5	24.6	24.1	22.7
歷年/**10**	21.8	23.0	23.6	23.6	22.3	20.5	21.2	23.1	24.6	26.2	26.2	25.6	25.5	27.4	27.9	27.3	25.1	23.1	22.0	21.8	21.8	20.9	20.6	20.5
歷年/**11**	20.5	20.7	20.1	18.8	18.7	19.2	20.0	20.4	21.6	22.0	22.3	21.8	22.2	22.2	21.8	21.1	20.4	19.6	18.7	18.2	17.6	17.4	17.5	19.1
歷年/冬	17.6	18.3	18.1	17.5	16.9	16.5	16.9	17.6	18.6	18.7	18.4	17.5	17.3	17.8	18.6	19.0	17.7	16.5	15.4	15.5	15.8	16.1	16.1	16.8
歷年/春	19.9	19.5	18.6	17.9	17.1	16.6	16.5	16.8	16.7	16.4	16.2	16.2	16.8	17.6	18.4	18.6	17.8	16.9	17.4	18.0	18.9	19.3	19.9	20.2
歷年/夏	26.0	25.1	24.5	24.2	23.9	23.5	23.1	22.7	22.6	22.9	23.5	24.1	24.6	25.2	25.7	26.1	26.1	26.2	27.0	27.3	27.6	28.2	28.1	27.2
歷年/秋	21.7	22.4	22.5	22.0	21.0	20.1	20.7	22.1	23.4	24.4	24.6	24.3	24.6	25.0	25.0	24.5	23.2	22.3	21.6	21.4	21.2	20.9	20.7	20.7
歷年/年	21.3	21.3	20.9	20.4	19.7	19.2	19.3	19.8	20.3	20.6	20.7	20.5	20.8	21.3	21.9	22.0	21.2	20.4	20.3	20.5	20.8	21.1	21.2	21.2

單位: cm/s

表5.4.5a 安平港2009年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12	42.8	49.9	44.3	39.7	39.2	44.3	39.8	47.9	51.8	64.9	54.3	40.0	46.7	33.0	44.6	51.9	39.1	46.8	48.9	34.4	35.6	39.0	45.9	45.6
2009/01	45.4	41.1	42.5	36.9	36.6	41.8	53.8	42.8	47.5	41.8	51.8	46.0	49.8	37.7	45.3	51.3	38.8	47.5	49.7	42.6	42.0	35.6	40.5	42.8
2009/02	56.6	52.3	39.3	38.5	33.1	36.3	43.5	50.5	57.4	53.5	49.4	39.8	30.2	37.9	38.2	39.4	34.4	34.6	30.5	27.4	33.9	42.3	34.6	58.0
2009/03	46.2	40.7	46.9	47.1	35.6	44.5	44.5	54.0	41.8	42.3	37.5	30.2	29.3	32.9	48.6	50.2	38.0	35.4	34.0	35.0	37.9	48.0	53.6	41.6
2009/04	41.9	41.5	38.4	38.4	38.1	34.0	28.8	35.4	36.8	41.1	38.8	37.2	38.2	53.1	56.3	44.7	41.8	43.4	41.4	41.5	52.7	48.3	44.5	42.4
2009/05	61.2	55.2	45.6	33.2	36.9	31.3	41.3	33.6	34.5	25.5	23.8	40.2	35.7	43.6	43.9	41.6	43.4	37.7	33.4	56.8	62.2	48.5	69.5	55.2
2009/06	49.2	52.6	39.8	41.8	62.2	69.0	75.5	76.0	57.8	53.4	51.5	70.5	61.2	68.1	80.8	86.5	87.7	89.6	94.0	69.4	63.8	63.3	65.0	57.3
2009/07	51.9	41.7	34.2	92.1	35.9	86.5	73.5	44.1	49.0	49.3	55.9	59.2	64.1	42.1	51.9	75.5	68.8	75.4	55.0	65.8	73.0	60.1	69.6	66.0
2009/08	95.0	108.1	97.8	90.1	80.2	81.6	71.7	59.7	71.0	74.5	66.2	82.2	126.2	147.3	107.9	138.6	112.8	61.6	81.2	106.2	80.1	65.2	72.5	82.5
2009/09	55.1	53.5	33.6	36.9	38.4	37.0	41.5	40.2	38.7	46.4	50.4	45.7	48.5	51.6	47.7	62.0	56.2	55.9	49.1	49.3	47.4	40.2	50.4	48.5
2009/10	51.3	46.3	52.6	40.3	31.8	39.8	48.9	56.7	49.7	52.7	61.7	88.8	76.2	73.1	72.2	63.2	56.8	43.7	40.4	36.8	32.6	34.8	37.7	46.6
2009/11	30.9	42.1	54.4	44.7	48.4	46.2	40.6	37.8	36.5	38.3	43.7	46.8	10.2	44.6	57.7	49.3	48.1	44.7	39.1	34.8	38.0	44.9	45.5	54.5
2009/冬	56.6	52.3	44.3	39.7	39.2	44.3	53.8	50.5	57.4	64.9	54.3	46.0	49.8	37.9	45.3	51.9	39.1	47.5	49.7	42.6	42.0	42.3	45.9	58.0
2009/春	61.2	55.2	46.9	47.1	38.1	44.5	44.5	54.0	41.8	42.3	38.8	40.2	38.2	53.1	56.3	50.2	43.4	43.4	41.4	56.8	62.2	48.5	69.5	55.2
2009/夏	95.0	108.1	97.8	92.1	80.2	86.5	75.5	76.0	71.0	74.5	66.2	82.2	126.2	147.3	107.9	138.6	112.8	89.6	94.0	106.2	80.1	65.2	72.5	82.5
2009/秋	55.1	53.5	54.4	44.7	48.4	46.2	48.9	56.7	49.7	52.7	61.7	88.8	76.2	73.1	72.2	63.2	56.8	55.9	49.1	49.3	47.4	44.9	50.4	54.5
2009/年	95.0	108.1	97.8	92.1	80.2	86.5	75.5	76.0	71.0	74.5	66.2	88.8	126.2	147.3	107.9	138.6	112.8	89.6	94.0	106.2	80.1	65.2	72.5	82.5

單位: cm/s

表5.4.5b 安平港 歷年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/12	57.2	49.9	46.5	51.0	52.0	53.6	47.8	50.6	51.8	64.9	74.0	60.7	67.2	55.3	56.2	51.9	52.7	55.5	48.9	50.7	60.4	55.2	45.9	53.5
歷年/01	48.9	49.6	49.7	50.8	50.4	49.9	53.8	44.2	47.5	52.3	57.0	57.9	51.1	46.4	46.8	51.3	55.6	55.0	49.7	46.9	49.0	46.9	52.2	52.6
歷年/02	56.6	52.3	46.8	54.4	49.5	44.1	43.5	50.5	57.4	53.5	49.4	68.7	50.4	51.8	52.7	54.4	54.0	49.9	40.7	40.6	39.8	48.0	37.0	58.0
歷年/03	49.7	49.3	46.9	48.6	46.4	44.6	45.3	54.0	42.3	42.8	44.1	50.5	46.4	54.7	52.6	62.4	55.5	53.7	47.5	46.2	59.1	48.5	53.6	49.1
歷年/04	47.7	46.2	49.1	47.7	46.2	40.3	43.2	41.5	50.3	47.8	47.9	46.2	48.0	53.1	56.3	64.4	46.1	53.0	52.6	50.0	52.7	54.8	52.5	54.3
歷年/05	64.9	55.2	52.8	58.8	49.6	44.4	42.6	42.2	51.3	51.4	50.6	46.7	51.2	62.6	52.5	48.6	46.1	53.6	53.8	56.8	66.0	64.1	69.5	61.5
歷年/06	83.6	77.1	86.0	78.4	88.3	80.9	75.5	76.0	80.5	69.2	63.7	70.5	61.2	68.8	80.8	86.5	87.7	89.6	94.0	69.4	78.6	87.8	78.1	78.1
歷年/07	79.3	77.3	76.1	92.1	74.3	86.5	95.4	121.0	117.1	130.7	117.8	98.8	97.6	81.6	94.7	83.7	70.4	77.6	106.8	103.2	118.1	99.5	113.7	88.6
歷年/08	95.0	108.1	97.8	90.1	80.2	81.6	71.7	63.4	72.1	83.8	106.5	106.9	126.2	147.3	107.9	138.6	112.8	83.7	102.7	106.2	93.1	112.8	95.0	82.5
歷年/09	68.6	54.6	61.0	60.5	60.6	52.9	49.4	51.9	54.6	56.3	69.5	72.4	77.0	66.8	60.4	62.0	62.9	69.8	89.0	95.0	64.0	55.6	67.4	87.3
歷年/10	55.8	61.4	57.8	64.3	64.7	66.4	94.2	94.2	77.5	67.2	81.9	88.8	76.2	73.1	72.2	63.2	57.8	57.0	56.7	71.5	95.7	72.0	61.3	52.3
歷年/11	56.7	55.5	66.3	73.0	82.1	72.6	63.6	62.9	69.6	71.9	76.5	62.8	54.5	56.4	66.8	63.1	59.6	50.1	46.6	44.4	41.6	44.9	45.5	79.8
歷年/冬	57.2	52.3	49.7	54.4	52.0	53.6	53.8	50.6	57.4	64.9	74.0	68.7	67.2	55.3	56.2	54.4	55.6	55.5	49.7	50.7	60.4	55.2	52.2	58.0
歷年/春	64.9	55.2	52.8	58.8	49.6	44.6	45.3	54.0	51.3	51.4	50.6	50.5	51.2	62.6	56.3	64.4	55.5	53.7	53.8	56.8	66.0	64.1	69.5	61.5
歷年/夏	95.0	108.1	97.8	92.1	88.3	86.5	95.4	121.0	117.1	130.7	117.8	106.9	126.2	147.3	107.9	138.6	112.8	89.6	106.8	106.2	118.1	112.8	113.7	88.6
歷年/秋	68.6	61.4	66.3	73.0	82.1	72.6	94.2	94.2	77.5	71.9	81.9	88.8	77.0	73.1	72.2	63.2	62.9	69.8	89.0	95.0	95.7	72.0	67.4	87.3
歷年/年	95.0	108.1	97.8	92.1	88.3	86.5	95.4	121.0	117.1	130.7	117.8	106.9	126.2	147.3	107.9	138.6	112.8	89.6	106.8	106.2	118.1	112.8	113.7	88.6

單位: cm/s

表5.4.6a 2009年安平港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12	21.	18.	19.	22.	19.	12.	14.	18.	24.	19.	22.	20.	22.	24.	24.	24.	20.	20.	15.	15.	16.	12.	10.	16.	16.	16.	21.	21.	21.	20.	17.
2009/01	18.	18.	16.	22.	18.	14.	14.	15.	17.	21.	21.	21.	24.	17.	24.	21.	21.	21.	19.	17.	18.	20.	18.	15.	21.	20.	24.	20.	23.	21.	20.
2009/02	19.	18.	16.	15.	15.	14.	16.	23.	24.	25.	25.	25.	21.	18.	16.	16.	12.	9.	16.	17.	14.	19.	19.	19.	19.	21.					
2009/03						31.	13.	18.	22.	21.	21.	21.	21.	26.	21.	18.	16.	17.	17.	15.	13.	13.	17.	17.	20.	20.	20.	20.	23.	21.	20.
2009/04	19.	20.	18.	19.	21.	19.	20.	19.	20.	21.	19.	21.	18.	16.	16.	16.	19.	14.	9.	13.	14.	15.	17.	16.	23.	23.	21.	20.	19.	17.	
2009/05	18.	20.	20.	16.	13.	15.	21.	19.		21.	20.	16.	17.	20.	15.	16.	17.	17.	16.	11.	17.	19.	17.	23.	24.	23.	24.	23.	22.	21.	23.
2009/06	19.	17.	21.	15.	20.	18.	21.	18.	23.	21.	19.	19.	19.	19.	18.	17.	16.	19.	23.	37.	56.	30.	22.	24.	21.	26.	26.	26.	24.	20.	
2009/07	18.	18.	17.	20.	21.	23.	19.	20.	26.	20.	24.	25.	25.	22.	21.	24.	21.	27.	25.	22.	27.	30.	38.	27.	30.	25.	26.	23.	22.	22.	14.
2009/08	19.	19.	22.	23.	24.	26.	64.	88.	47.	28.	31.	25.	21.	18.	18.	21.	21.	19.	26.	24.	29.	31.	34.	27.	22.	23.	24.	19.	18.	19.	19.
2009/09	21.	23.	26.	24.	21.	26.	22.	21.	26.	25.	19.	19.	18.	14.	17.	27.	25.	24.	21.	21.	27.	25.	22.	25.	21.	26.	24.	15.	16.	15.	
2009/10	21.	25.	20.	17.	16.	20.	20.	26.	25.	21.	17.	19.	22.	24.	29.	35.	37.	33.	39.	31.	29.										
2009/11																		27.	26.	24.	22.	25.	24.	17.	23.	23.	24.	19.	27.	19.	
2009/冬	19.	18.	17.	20.	17.	14.	15.	19.	22.	22.	23.	22.	22.	20.	21.	20.	18.	17.	17.	16.	16.	17.	16.	17.	18.	18.	22.	20.	22.	20.	19.
2009/春	18.	20.	19.	18.	17.	18.	18.	19.	21.	21.	20.	19.	19.	20.	17.	16.	17.	16.	14.	13.	15.	15.	17.	19.	22.	22.	22.	21.	21.	20.	21.
2009/夏	18.	18.	20.	20.	22.	22.	35.	42.	32.	23.	25.	23.	21.	20.	19.	21.	19.	22.	25.	27.	37.	30.	32.	26.	24.	25.	25.	23.	21.	20.	17.
2009/秋	21.	24.	23.	21.	19.	23.	21.	23.	26.	23.	18.	19.	20.	17.	21.	30.	30.	27.	27.	25.	26.	25.	23.	22.	22.	25.	24.	17.	20.	16.	
2009/年	19.	20.	19.	19.	19.	19.	22.	26.	25.	22.	22.	21.	21.	20.	19.	21.	20.	19.	20.	20.	23.	22.	22.	21.	22.	22.	23.	21.	21.	19.	19.

單位: cm/s

表5.4.6b　歷年安平港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/12	17.	17.	17.	17.	18.	17.	17.	18.	18.	18.	20.	20.	20.	20.	19.	19.	18.	17.	17.	17.	18.	19.	19.	19.	20.	19.	21.	21.	20.	19.	16.
歷年/01	19.	19.	18.	19.	18.	17.	16.	17.	19.	18.	18.	19.	18.	17.	17.	17.	16.	17.	18.	17.	16.	18.	17.	17.	18.	17.	18.	16.	16.	15.	14.
歷年/02	16.	17.	17.	15.	16.	17.	17.	17.	17.	17.	19.	17.	15.	14.	16.	16.	15.	14.	16.	16.	16.	16.	16.	16.	16.	15.	16.	15.	18.		
歷年/03	14.	15.	14.	15.	15.	17.	16.	18.	19.	18.	18.	16.	18.	18.	16.	15.	16.	16.	17.	17.	17.	19.	20.	17.	17.	17.	17.	17.	15.	17.	15.
歷年/04	17.	17.	17.	17.	17.	18.	17.	19.	17.	19.	17.	18.	17.	17.	18.	17.	17.	16.	16.	16.	16.	18.	18.	17.	18.	19.	17.	17.	17.	17.	
歷年/05	18.	16.	18.	16.	17.	18.	19.	19.	19.	19.	19.	19.	18.	19.	19.	19.	21.	22.	20.	18.	20.	21.	20.	20.	19.	20.	20.	21.	21.	21.	21.
歷年/06	21.	22.	22.	21.	22.	22.	20.	21.	21.	20.	22.	22.	22.	23.	24.	24.	24.	25.	23.	25.	28.	25.	24.	22.	22.	23.	25.	25.	25.	25.	
歷年/07	25.	25.	26.	25.	26.	28.	27.	25.	26.	26.	26.	26.	29.	28.	29.	28.	27.	35.	27.	27.	28.	27.	27.	28.	29.	26.	26.	25.	24.	23.	22.
歷年/08	23.	25.	27.	28.	29.	26.	30.	33.	27.	24.	25.	25.	27.	24.	25.	25.	26.	26.	30.	29.	28.	27.	25.	23.	23.	26.	26.	25.	24.	26.	28.
歷年/09	25.	27.	27.	25.	24.	24.	23.	24.	25.	26.	26.	25.	24.	23.	22.	24.	24.	23.	25.	23.	24.	24.	24.	24.	24.	24.	24.	23.	22.	23.	
歷年/10	24.	24.	22.	23.	24.	26.	23.	25.	24.	22.	23.	24.	26.	25.	25.	25.	24.	24.	23.	22.	22.	22.	20.	22.	23.	24.	25.	25.	24.	24.	23.
歷年/11	26.	21.	23.	20.	20.	20.	20.	20.	20.	19.	20.	21.	20.	19.	20.	18.	19.	19.	19.	19.	20.	20.	20.	20.	21.	21.	21.	19.	19.	19.	
歷年/冬	17.	18.	17.	17.	17.	17.	17.	17.	18.	18.	19.	19.	18.	17.	17.	17.	16.	16.	17.	17.	17.	18.	18.	17.	18.	17.	18.	17.	17.	17.	15.
歷年/春	17.	16.	17.	16.	17.	17.	18.	19.	18.	19.	18.	18.	18.	18.	18.	17.	18.	18.	18.	17.	18.	19.	19.	18.	18.	19.	18.	18.	18.	18.	18.
歷年/夏	23.	24.	25.	24.	25.	25.	25.	26.	25.	23.	24.	24.	26.	25.	26.	26.	25.	28.	27.	27.	28.	27.	25.	24.	24.	25.	26.	25.	24.	25.	26.
歷年/秋	25.	24.	24.	23.	22.	24.	22.	23.	23.	22.	23.	23.	23.	22.	22.	22.	22.	22.	22.	21.	22.	21.	21.	22.	22.	23.	23.	22.	22.	22.	23.
歷年/年	21.	21.	21.	20.	20.	21.	20.	21.	21.	21.	21.	21.	21.	20.	21.	20.	20.	21.	21.	20.	21.	21.	21.	20.	21.	21.	21.	21.	21.	21.	20.

單位: cm/s

表5.4.7a 2009年安平港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12	43.	39.	39.	49.	38.	30.	32.	36.	54.	43.	47.	40.	50.	50.	65.	48.	41.	44.	36.	30.	33.	29.	28.	39.	32.	31.	41.	42.	52.	44.	39.
2009/01	48.	40.	36.	42.	42.	36.	32.	32.	43.	45.	36.	45.	48.	31.	52.	40.	50.	49.	32.	28.	31.	40.	50.	31.	54.	39.	45.	38.	51.	36.	41.
2009/02	40.	35.	39.	28.	30.	32.	32.	58.	57.	53.	57.	44.	52.	29.	30.	31.	21.	17.	39.	34.	24.	45.	47.	42.	52.	31.					
2009/03						37.	26.	45.	45.	48.	54.	38.	42.	54.	38.	40.	34.	46.	32.	32.	22.	25.	38.	34.	35.	42.	33.	49.	50.	37.	42.
2009/04	40.	43.	38.	33.	39.	38.	36.	33.	37.	53.	44.	38.	42.	38.	42.	37.	39.	28.	24.	33.	35.	36.	39.	35.	56.	42.	48.	43.	38.	33.	
2009/05	39.	55.	32.	35.	33.	30.	41.	35.		34.	42.	38.	43.	35.	37.	34.	36.	28.	29.	23.	33.	33.	44.	62.	50.	49.	70.	67.	53.	40.	61.
2009/06	46.	35.	42.	32.	53.	44.	54.	56.	59.	59.	40.	36.	42.	51.	49.	43.	37.	47.	50.	94.	88.	67.	55.	57.	59.	65.	57.	68.	47.	40.	
2009/07	33.	41.	43.	53.	65.	73.	48.	47.	51.	48.	53.	36.	70.	52.	49.	46.	49.	76.	69.	52.	53.	87.	92.	60.	61.	63.	59.	64.	52.	40.	30.
2009/08	47.	44.	68.	66.	46.	54.	108.	147.	86.	51.	56.	55.	32.	40.	41.	43.	52.	36.	50.	52.	60.	57.	60.	63.	57.	52.	48.	46.	41.	35.	42.
2009/09	42.	35.	38.	38.	49.	40.	43.	37.	46.	50.	40.	49.	37.	36.	34.	50.	55.	51.	44.	48.	62.	54.	56.	53.	42.	48.	42.	35.	38.	32.	
2009/10	40.	40.	46.	33.	36.	30.	33.	45.	48.	44.	31.	37.	89.	43.	68.	76.	73.	57.	72.	63.	62.										
2009/11																		27.	58.	54.	44.	48.	48.	35.	41.	41.	45.	46.	55.	41.	
2009/冬	48.	40.	39.	49.	42.	36.	32.	58.	57.	53.	57.	45.	52.	50.	65.	48.	50.	49.	39.	34.	33.	45.	50.	42.	54.	39.	45.	42.	52.	44.	41.
2009/春	40.	55.	38.	35.	39.	38.	41.	45.	45.	53.	54.	38.	43.	54.	42.	40.	39.	46.	32.	33.	35.	36.	44.	62.	56.	49.	70.	67.	53.	40.	61.
2009/夏	47.	44.	68.	66.	65.	73.	108.	147.	86.	59.	56.	55.	70.	52.	49.	46.	52.	76.	69.	94.	88.	87.	92.	63.	61.	65.	59.	68.	52.	40.	42.
2009/秋	42.	40.	46.	38.	49.	40.	43.	45.	48.	50.	40.	49.	89.	43.	68.	76.	73.	57.	72.	63.	62.	54.	56.	53.	42.	48.	45.	46.	55.	41.	
2009/年	48.	55.	68.	66.	65.	73.	108.	147.	86.	59.	57.	55.	89.	54.	68.	76.	73.	76.	72.	94.	88.	87.	92.	63.	61.	65.	70.	68.	55.	44.	61.

單位: cm/s

表5.4.7b　歷年安平港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/**12**	48.	48.	45.	49.	45.	53.	45.	51.	54.	46.	47.	60.	50.	50.	65.	48.	45.	44.	47.	74.	54.	67.	49.	56.	48.	59.	56.	61.	52.	52.	39.
歷年/**01**	51.	58.	47.	49.	43.	45.	47.	45.	48.	46.	50.	55.	50.	41.	52.	40.	50.	49.	53.	49.	50.	45.	50.	56.	57.	47.	45.	39.	51.	37.	41.
歷年/**02**	47.	42.	50.	37.	41.	52.	44.	58.	57.	54.	69.	50.	52.	41.	48.	42.	49.	46.	44.	48.	53.	45.	47.	42.	52.	43.	40.	39.	44.		
歷年/**03**	33.	40.	39.	36.	45.	40.	46.	54.	56.	50.	54.	38.	43.	54.	42.	49.	50.	46.	55.	49.	62.	52.	44.	39.	35.	59.	41.	49.	50.	45.	42.
歷年/**04**	53.	43.	55.	48.	39.	41.	50.	48.	44.	53.	46.	48.	42.	45.	43.	40.	43.	45.	41.	50.	38.	47.	47.	48.	56.	64.	48.	54.	53.	46.	
歷年/**05**	51.	55.	50.	45.	59.	48.	56.	57.	54.	53.	58.	57.	52.	57.	49.	44.	66.	65.	51.	50.	51.	58.	58.	62.	50.	53.	70.	67.	59.	64.	61.
歷年/**06**	49.	55.	63.	61.	67.	56.	54.	56.	59.	59.	68.	60.	60.	70.	86.	79.	72.	88.	71.	94.	88.	88.	78.	73.	83.	78.	58.	68.	61.	61.	
歷年/**07**	62.	61.	80.	78.	77.	96.	61.	67.	71.	67.	65.	79.	95.	74.	99.	61.	69.	131.	99.	107.	78.	100.	92.	74.	93.	90.	80.	64.	52.	53.	65.
歷年/**08**	71.	69.	69.	91.	86.	81.	108.	147.	86.	72.	86.	96.	88.	84.	113.	62.	69.	69.	107.	95.	82.	76.	60.	68.	76.	103.	77.	61.	63.	68.	82.
歷年/**09**	68.	72.	77.	59.	60.	54.	63.	59.	60.	59.	61.	67.	61.	57.	48.	54.	55.	70.	95.	60.	62.	63.	57.	53.	52.	54.	56.	87.	69.	58.	
歷年/**10**	60.	66.	59.	62.	61.	82.	61.	96.	94.	53.	70.	63.	89.	58.	68.	76.	73.	57.	72.	63.	62.	53.	50.	51.	57.	50.	55.	54.	56.	54.	67.
歷年/**11**	82.	64.	56.	46.	56.	50.	48.	48.	80.	45.	52.	62.	56.	58.	77.	70.	61.	63.	58.	54.	50.	54.	59.	64.	63.	60.	63.	68.	57.	50.	
歷年/冬	51.	58.	50.	49.	45.	53.	47.	58.	57.	54.	69.	60.	52.	50.	65.	48.	50.	49.	53.	74.	54.	67.	50.	56.	57.	59.	56.	61.	52.	52.	41.
歷年/春	53.	55.	55.	48.	59.	48.	56.	57.	56.	53.	58.	57.	52.	57.	49.	49.	66.	65.	55.	50.	62.	58.	58.	62.	56.	64.	70.	67.	59.	64.	61.
歷年/夏	71.	69.	80.	91.	86.	96.	108.	147.	86.	72.	86.	96.	95.	84.	113.	79.	72.	131.	107.	107.	88.	100.	92.	74.	93.	103.	80.	68.	63.	68.	82.
歷年/秋	82.	72.	77.	62.	61.	82.	63.	96.	94.	59.	70.	67.	89.	58.	77.	76.	73.	70.	95.	63.	62.	63.	59.	64.	63.	60.	63.	87.	69.	58.	67.
歷年/年	82.	72.	80.	91.	86.	96.	108.	147.	94.	72.	86.	96.	95.	84.	113.	79.	73.	131.	107.	107.	88.	100.	92.	74.	93.	103.	80.	87.	69.	68.	82.

單位: cm/s

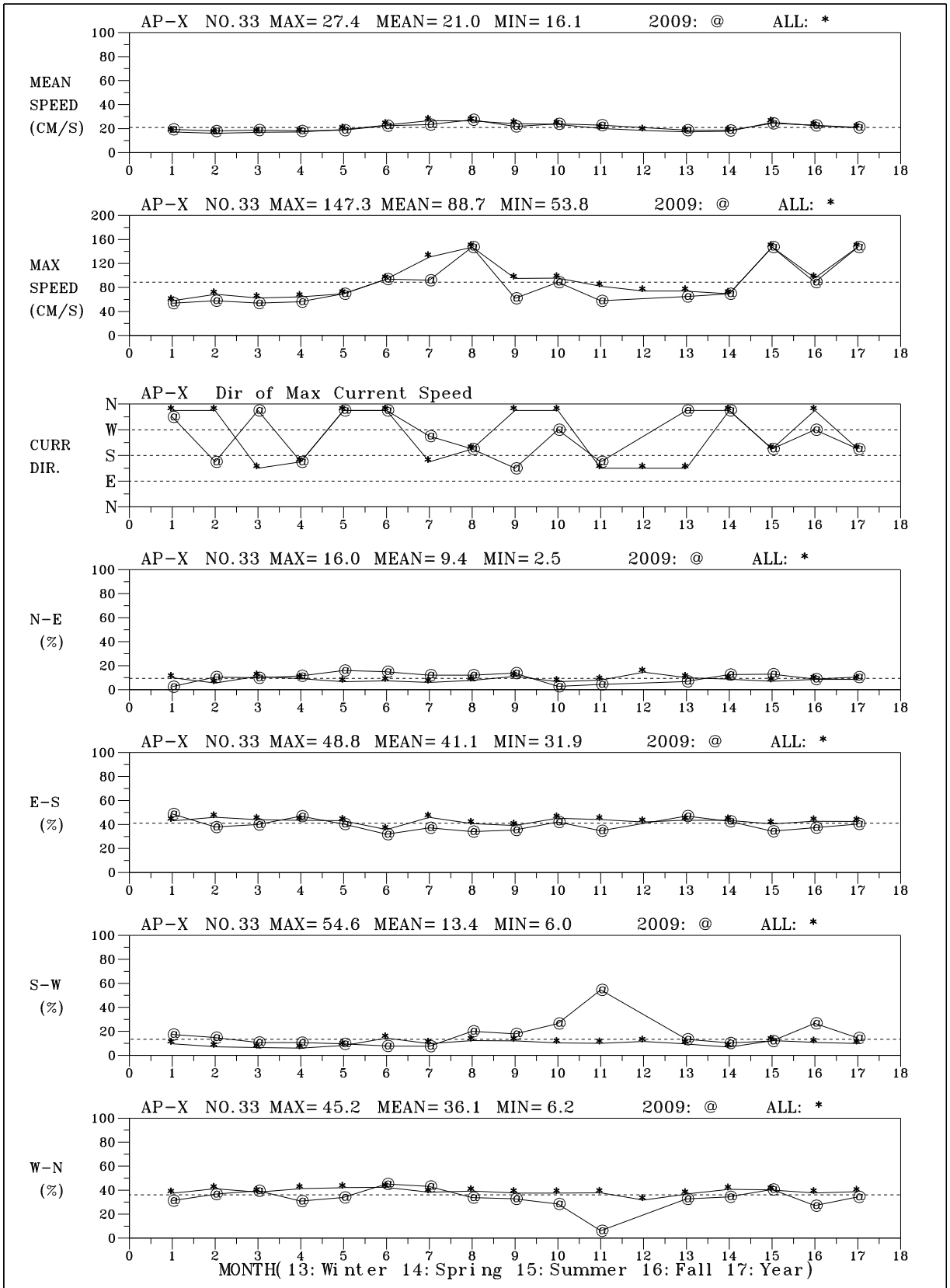


圖5.4.1 安平港1站2009及歷年月季海流統計圖

C09XAPX0.ST2	Institute of Harbor & Marine Technology

PLQC2A1.BAT(PLQCU2A1.FOR) 2010. 10. 19

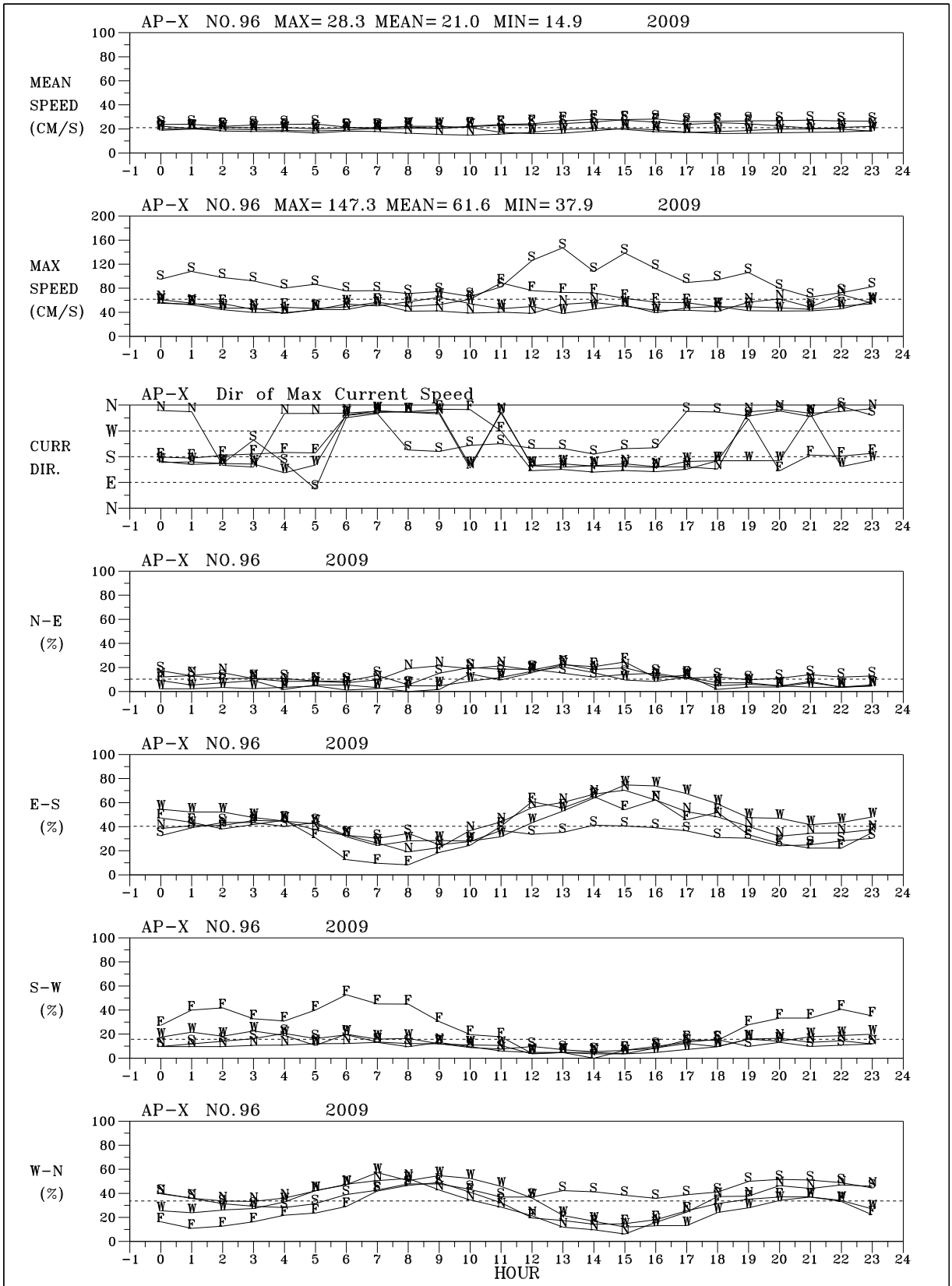


圖5.4.2　安平港1站2009年四季24時海流統計圖

C090APX0.1HA	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19

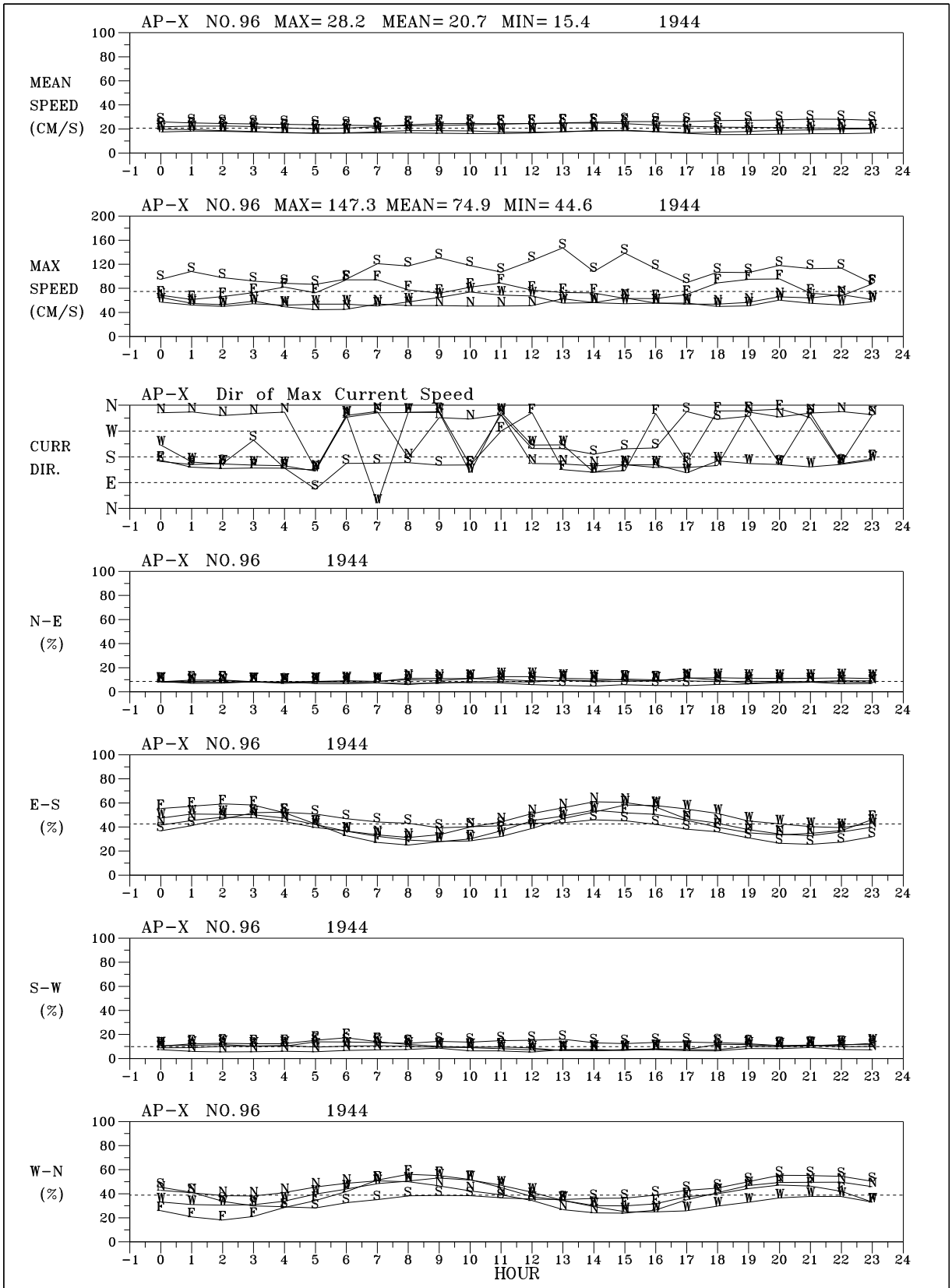


圖5.4.3 安平港1站歷年四季24時海流統計量圖

C440APX0.1HY	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19

5.5　2009年高雄港海流重要參數統計表及統計圖

表5.5.1a 2009年高雄港測站 X 觀測流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	736(99%)	33.9	66.2 /S	29.5 / S	24.5	64.9	10.6	.0	1.5	60.7	36.1	1.6
2	**2009/01**	635(85%)	30.3	70.7 /SSE	21.3 / S	36.5	53.5	9.8	.0	1.3	55.7	26.1	16.7
3	**2009/02**	653(97%)	18.3	56.0 /SSE	6.4 /SSE	75.5	23.6	.9	.0	6.6	50.5	14.9	28.0
4	**2009/03**	537(72%)	21.1	56.8 /SSE	12.1 /SSE	64.8	34.6	.4	.0	4.1	61.8	15.3	18.6
5	**2009/04**	717(100%)	17.6	63.3 /NW	8.2 / SE	76.0	23.4	.3	.0	12.3	58.9	10.2	18.4
6	**2009/05**	739(99%)	26.5	91.3 /SSE	18.0 / SE	53.2	39.2	7.4	.0	7.7	73.2	5.5	13.4
7	**2009/06**	717(100%)	27.5	167.4 /NW	5.9 / W	56.5	33.5	7.9	2.0	5.9	38.8	18.1	37.1
8	**2009/07**	435(59%)	28.6	138.0 /NW	7.6 / W	57.2	30.6	9.7	2.5	7.6	40.2	16.1	36.1
9	**2009/08**	441(59%)	30.0	100.2 /NW	9.7 / SW	42.4	45.4	12.0	.2	3.4	36.3	20.9	39.5
10	**2009/09**	605(84%)	32.0	109.9 /NW	12.4 / S	42.8	37.7	19.2	.3	1.7	49.6	17.5	31.2
11	**2009/10**	734(99%)	29.2	89.2 /SSE	8.4 / S	51.0	31.5	17.3	.0	5.3	54.5	8.2	31.7
12	**2009/11**	707(98%)	27.0	93.6 /NW	9.3 /SSE	54.5	31.8	13.2	.0	2.4	58.1	8.2	30.7
13	**2009**/冬	2024(94%)	27.7	70.7 /SSE	19.4 / S	44.7	48.0	7.2	.0	3.1	55.9	26.1	14.9
14	**2009**/春	1993(90%)	21.9	91.3 /SSE	12.7 / SE	64.5	32.3	3.0	.0	8.4	65.0	9.8	16.6
15	**2009**/夏	1593(72%)	28.5	167.4 /NW	6.7 /WSW	52.8	36.0	9.5	1.6	5.6	38.5	18.3	37.5
16	**2009**/秋	2046(94%)	29.3	109.9 /NW	9.8 / S	49.8	33.4	16.4	.1	3.2	54.3	10.9	31.2
17	**2009**/年	7656(87%)	26.8	167.4 /NW	11.0 / S	52.9	37.5	9.1	.4	5.0	54.2	16.2	24.4

表5.5.1b 歷年高雄港測站 X 觀測流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	3566(96%)	24.6	101.5 /ENE	13.8 / S	56.8	37.6	5.5	.0	5.6	40.3	35.5	18.5
2	歷年/02	3810(94%)	25.2	100.6 /E	16.5 /SSE	56.2	37.2	6.5	.0	7.6	51.0	30.6	10.8
3	歷年/03	4357(73%)	22.6	87.0 /SSE	12.3 /SSE	62.8	33.3	3.8	.0	8.8	52.9	23.5	14.8
4	歷年/04	4334(86%)	22.0	95.3 /SSE	10.6 /SSE	66.7	26.3	6.8	.0	13.0	56.5	12.2	18.1
5	歷年/05	4663(90%)	24.1	102.6 /NNW	7.8 /SSE	59.3	34.4	6.3	.0	13.0	50.8	15.1	21.1
6	歷年/06	5796(89%)	28.8	209.4 /NNW	3.4 /WNW	49.9	38.3	10.7	1.0	14.7	33.5	19.2	32.7
7	歷年/07	5453(92%)	29.4	168.6 /NNW	2.0 / S	50.7	34.9	13.4	.9	16.0	38.0	18.1	27.9
8	歷年/08	5832(87%)	29.0	165.6 /NNW	2.2 /SSW	50.4	36.8	11.9	1.0	12.9	38.2	20.1	28.7
9	歷年/09	6041(93%)	33.4	241.9 /NNW	5.8 / S	44.4	35.8	18.0	1.7	9.5	44.0	16.3	30.2
10	歷年/10	6098(91%)	28.7	180.8 /NNW	8.4 /SSE	52.8	32.7	13.9	.7	10.4	47.9	14.3	27.4
11	歷年/11	5206(90%)	29.7	122.3 /SE	18.4 /SSE	48.5	36.7	14.1	.6	3.9	55.8	23.7	16.4
12	歷年/12	3155(85%)	28.7	128.4 /S	18.4 / S	50.5	37.0	12.0	.5	3.5	45.3	37.5	13.7
13	歷年/冬	10531(92%)	26.0	128.4 /S	16.0 / S	54.7	37.3	7.8	.2	5.7	45.7	34.3	14.3
14	歷年/春	13354(82%)	22.9	102.6 /NNW	10.2 /SSE	62.8	31.4	5.6	.0	11.6	53.3	16.9	18.1
15	歷年/夏	17081(89%)	29.1	209.4 /NNW	1.5 / SW	50.3	36.7	12.0	1.0	14.5	36.5	19.1	29.8
16	歷年/秋	17345(92%)	30.7	241.9 /NNW	10.5 /SSE	48.6	35.0	15.4	1.0	8.1	48.9	17.8	25.1
17	歷年/年	58311(89%)	27.6	241.9 /NNW	8.5 /SSE	53.5	35.1	10.8	.6	10.3	45.7	21.0	22.9

表5.5.1c 2009年高雄港測站 X 潮流流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	744(100%)	12.9	25.5 /ESE	.1 /SSW	99.7	.3	.0	.0	16.9	26.2	31.9	25.0
2	**2009/01**	744(100%)	13.5	37.9 /SE	.1 / SW	87.4	12.6	.0	.0	14.7	28.2	20.8	36.3
3	**2009/02**	672(100%)	10.3	31.0 /SE	.0 / N	96.4	3.6	.0	.0	9.2	37.8	11.3	41.7
4	**2009/03**	744(100%)	6.5	18.1 /NW	.0 /WNW	100.0	.0	.0	.0	11.3	38.3	16.8	33.6
5	**2009/04**	720(100%)	10.0	27.4 /NNW	.0 /NNE	97.6	2.4	.0	.0	8.8	43.1	12.5	35.7
6	**2009/05**	744(100%)	14.2	40.5 /NW	.1 /WNW	89.4	10.6	.0	.0	11.3	41.7	11.4	35.6
7	**2009/06**	720(100%)	18.1	57.9 /NW	.1 / SE	73.5	25.3	1.3	.0	7.9	47.9	3.3	40.8
8	**2009/07**	435(59%)	19.8	59.0 /NNW	.1 / SE	70.8	26.4	2.8	.0	6.0	48.5	4.4	41.1
9	**2009/08**	441(59%)	22.4	55.0 /NW	.1 /SSE	58.7	38.3	2.9	.0	9.8	45.6	2.0	42.6
10	**2009/09**	720(100%)	19.2	47.9 /SSE	.0 /ENE	65.7	34.3	.0	.0	6.9	48.8	2.1	42.2
11	**2009/10**	744(100%)	24.2	65.6 /NNW	.1 / NW	56.6	35.8	7.7	.0	7.8	47.2	3.6	41.4
12	**2009/11**	720(100%)	20.6	54.8 /NW	.0 / NW	66.3	31.7	2.1	.0	6.1	50.7	3.2	40.0
13	**2009**/冬	2160(100%)	12.3	37.9 /SE	.0 / SW	94.4	5.6	.0	.0	13.8	30.5	21.7	34.1
14	**2009**/春	2208(100%)	10.2	40.5 /NW	.0 /WNW	95.7	4.3	.0	.0	10.5	41.0	13.6	35.0
15	**2009**/夏	1596(72%)	19.8	59.0 /NNW	.1 / SE	68.7	29.2	2.1	.0	7.9	47.4	3.3	41.4
16	**2009**/秋	2184(100%)	21.4	65.6 /NNW	.0 / NW	62.8	33.9	3.3	.0	7.0	48.9	3.0	41.2
17	**2009**/年	8148(93%)	15.6	65.6 /NNW	.0 / SW	81.2	17.5	1.3	.0	9.9	41.6	10.9	37.7

表5.5.1d　歷年高雄港測站 X 潮流流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	3679(99%)	12.1	41.1 /SE	.1 /WNW	92.2	7.8	.0	.0	14.6	31.0	17.9	36.5
2	歷年/02	3931(97%)	9.6	35.4 /SSE	.0 / NE	97.8	2.2	.0	.0	21.3	27.9	23.8	26.9
3	歷年/03	4780(80%)	9.1	38.4 /SSE	.0 / SW	96.6	3.4	.0	.0	16.7	30.0	18.5	34.9
4	歷年/04	4979(99%)	9.2	52.1 /SSE	.0 /NNW	95.4	4.5	.1	.0	10.5	38.8	9.2	41.6
5	歷年/05	4886(94%)	12.4	44.8 /NNW	.0 /NNW	90.4	9.6	.0	.0	11.0	38.8	10.0	40.2
6	歷年/06	5814(90%)	16.6	64.2 /NNW	.0 / N	77.6	20.3	2.1	.0	12.9	40.0	9.7	37.4
7	歷年/07	5643(95%)	16.7	59.0 /NNW	.1 /SSE	77.1	22.0	.9	.0	12.1	42.5	10.8	34.6
8	歷年/08	5867(88%)	17.1	73.7 /N	.0 / S	77.4	20.9	1.7	.0	12.0	40.1	11.1	36.9
9	歷年/09	6367(98%)	18.7	66.5 /NW	.0 /SSE	71.9	27.0	1.1	.0	11.3	43.3	8.3	37.1
10	歷年/10	6155(92%)	20.0	68.3 /NW	.0 / NW	69.4	27.4	3.2	.0	11.8	39.7	8.4	40.1
11	歷年/11	5632(98%)	17.4	75.6 /SE	.1 / NW	77.1	19.7	3.2	.0	10.0	40.1	11.4	38.5
12	歷年/12	3218(87%)	14.9	62.4 /NW	.0 / W	86.1	13.2	.7	.0	10.4	35.8	19.5	34.3
13	歷年/冬	10828(94%)	12.0	62.4 /NW	.0 /WNW	92.4	7.4	.2	.0	15.8	31.3	20.5	32.4
14	歷年/春	14645(90%)	10.2	52.1 /SSE	.0 / NW	94.1	5.8	.0	.0	12.7	35.9	12.5	38.9
15	歷年/夏	17324(91%)	16.8	73.7 /N	.0 /SSE	77.3	21.1	1.6	.0	12.3	40.9	10.5	36.3
16	歷年/秋	18154(96%)	18.7	75.6 /SE	.0 /WNW	72.7	24.9	2.5	.0	11.1	41.1	9.3	38.6
17	歷年/年	60951(93%)	14.9	75.6 /SE	.0 / W	82.7	16.1	1.2	.0	12.6	38.0	12.4	36.9

表5.5.1e 2009年高雄港測站 X 非潮流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	736(99%)	31.9	57.3 /S	29.4 / S	22.6	75.5	1.9	.0	1.8	65.4	31.7	1.2
2	**2009/01**	635(85%)	25.6	61.8 /SSE	21.4 / S	46.1	51.2	2.7	.0	1.7	58.1	29.1	11.0
3	**2009/02**	653(97%)	14.9	43.4 /SSE	6.6 /SSE	85.1	14.9	.0	.0	6.0	49.8	17.5	26.8
4	**2009/03**	537(72%)	19.4	47.5 /SSE	12.2 /SSE	69.3	30.7	.0	.0	4.3	60.1	16.2	19.4
5	**2009/04**	717(100%)	14.3	42.3 /SSE	8.2 / SE	87.4	12.6	.0	.0	13.7	59.8	12.7	13.8
6	**2009/05**	739(99%)	22.2	69.3 /SSE	18.0 / SE	66.0	29.6	4.3	.0	6.1	79.4	6.9	7.6
7	**2009/06**	717(100%)	21.3	135.9 /NW	6.0 / W	72.7	20.1	6.6	.7	7.5	31.7	24.5	36.3
8	**2009/07**	435(59%)	19.6	126.5 /NW	7.7 / W	78.6	15.4	4.1	1.8	4.6	34.0	23.9	37.5
9	**2009/08**	441(59%)	19.5	58.6 /SSE	9.7 / SW	77.1	21.5	1.4	.0	1.8	26.5	39.5	32.2
10	**2009/09**	605(84%)	22.4	74.9 /NW	12.1 / S	64.6	31.6	3.8	.0	1.5	41.7	31.9	25.0
11	**2009/10**	734(99%)	16.1	66.9 /SSE	8.4 / S	83.0	15.0	2.0	.0	5.9	43.3	28.3	22.5
12	**2009/11**	707(98%)	17.4	80.8 /NW	9.4 /SSE	77.2	19.9	2.8	.0	5.4	55.3	15.6	23.8
13	**2009**/冬	2024(94%)	24.4	61.8 /SSE	19.5 / S	50.1	48.3	1.5	.0	3.1	58.1	26.3	12.5
14	**2009**/春	1993(90%)	18.6	69.3 /SSE	12.8 / SE	74.6	23.8	1.6	.0	8.3	67.2	11.5	13.0
15	**2009**/夏	1593(72%)	20.3	135.9 /NW	6.8 /WSW	75.5	19.2	4.5	.8	5.1	30.9	28.5	35.5
16	**2009**/秋	2046(94%)	18.4	80.8 /NW	9.7 / S	75.6	21.6	2.8	.0	4.4	47.0	25.0	23.7
17	**2009**/年	7656(87%)	20.4	135.9 /NW	11.0 / S	68.6	28.7	2.5	.2	5.2	51.8	22.5	20.4

表5.5.1f 歷年高雄港測站 X 非潮流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	3566(96%)	21.3	101.3 /ENE	13.8 / S	65.9	32.0	2.1	.0	5.2	37.2	43.6	14.0
2	歷年/02	3810(94%)	23.1	94.5 /E	16.6 /SSE	64.1	30.1	5.9	.0	6.4	51.2	33.9	8.5
3	歷年/03	4357(73%)	20.1	84.5 /ENE	12.3 /SSE	70.7	26.8	2.5	.0	9.0	54.1	25.3	11.6
4	歷年/04	4334(86%)	19.0	92.0 /SSE	10.6 /SSE	74.5	20.9	4.6	.0	12.4	57.1	14.7	15.9
5	歷年/05	4663(90%)	19.8	106.4 /NNW	7.9 /SSE	72.2	24.3	3.4	.0	13.3	49.0	19.4	18.3
6	歷年/06	5796(89%)	23.1	190.4 /NNW	3.4 /WNW	63.8	30.5	5.4	.3	16.7	27.7	24.0	31.6
7	歷年/07	5453(92%)	23.9	134.8 /N	1.9 / S	61.4	32.0	6.1	.5	18.2	34.0	20.6	27.2
8	歷年/08	5832(87%)	22.8	156.1 /NNW	2.2 /SSW	66.6	26.4	6.4	.5	15.1	33.4	24.2	27.3
9	歷年/09	6041(93%)	26.5	225.0 /NNW	5.6 / S	60.5	28.0	10.3	1.3	11.0	42.2	21.7	25.1
10	歷年/10	6098(91%)	20.6	147.2 /SSE	8.5 /SSE	71.9	23.5	4.2	.5	11.7	48.9	19.4	20.0
11	歷年/11	5206(90%)	23.4	98.6 /SSE	18.4 /SSE	60.8	33.4	5.9	.0	5.4	61.4	25.7	7.6
12	歷年/12	3155(85%)	24.5	125.5 /S	18.3 / S	60.3	33.0	6.5	.2	5.2	45.6	40.7	8.5
13	歷年/冬	10531(92%)	22.9	125.5 /S	16.1 / S	63.6	31.6	4.8	.1	5.6	44.8	39.2	10.3
14	歷年/春	13354(82%)	19.6	106.4 /NNW	10.2 /SSE	72.5	24.0	3.5	.0	11.6	53.3	19.8	15.3
15	歷年/夏	17081(89%)	23.2	190.4 /NNW	1.5 / SW	64.0	29.6	6.0	.4	16.6	31.7	23.0	28.7
16	歷年/秋	17345(92%)	23.5	225.0 /NNW	10.4 /SSE	64.6	28.0	6.8	.6	9.6	50.3	22.1	18.0
17	歷年/年	58311(89%)	22.4	225.0 /NNW	8.5 /SSE	66.0	28.2	5.4	.3	11.4	44.5	24.9	19.1

表5.5.1g 2009年高雄港測站 X48時平均流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	697(94%)	29.5	37.6 /S	29.2 / S	13.8	86.2	.0	.0	.0	84.5	15.5	.0
2	**2009/01**	636(86%)	22.5	38.3 /S	21.3 / S	42.1	57.9	.0	.0	.0	66.5	27.5	6.0
3	**2009/02**	625(93%)	8.5	23.2 /SSE	6.1 /SSE	100.0	.0	.0	.0	3.4	52.8	20.5	23.4
4	**2009/03**	550(74%)	13.8	29.5 /SSE	11.1 /SSE	92.2	7.8	.0	.0	1.8	74.5	6.2	17.5
5	**2009/04**	673(94%)	9.4	21.5 /SE	8.2 / SE	100.0	.0	.0	.0	4.6	83.1	5.6	6.7
6	**2009/05**	697(94%)	18.8	47.2 /SSE	18.5 / SE	72.7	27.3	.0	.0	.3	94.3	4.2	1.3
7	**2009/06**	673(94%)	15.8	64.8 /NW	6.4 / W	80.8	15.3	3.9	.0	.0	30.9	27.2	41.9
8	**2009/07**	388(52%)	10.1	34.1 /NW	6.0 / W	92.0	8.0	.0	.0	.0	17.3	41.8	41.0
9	**2009/08**	394(53%)	15.7	35.7 /SSE	9.7 / SW	85.8	14.2	.0	.0	.0	24.1	46.7	29.2
10	**2009/09**	603(84%)	15.1	49.0 /SSE	11.7 /SSW	92.2	7.8	.0	.0	.0	28.4	60.4	11.3
11	**2009/10**	697(94%)	9.3	30.1 /SSE	7.7 / S	98.3	1.7	.0	.0	1.0	46.9	36.4	15.6
12	**2009/11**	673(94%)	12.6	32.8 /SSE	10.1 /SSE	80.7	19.3	.0	.0	.0	64.8	22.3	12.9
13	**2009**/冬	1958(91%)	20.5	38.3 /S	19.2 / S	50.5	49.5	.0	.0	1.1	68.5	21.0	9.4
14	**2009**/春	1920(87%)	14.1	47.2 /SSE	12.6 / SE	87.9	12.1	.0	.0	2.2	84.7	5.3	7.8
15	**2009**/夏	1455(66%)	14.2	64.8 /NW	6.6 /WSW	85.2	13.1	1.8	.0	.0	25.4	36.4	38.2
16	**2009**/秋	1973(90%)	12.2	49.0 /SSE	9.6 / S	90.4	9.6	.0	.0	.4	47.3	38.9	13.4
17	**2009**/年	7306(83%)	15.3	64.8 /NW	11.0 / S	78.0	21.6	.4	.0	1.0	58.5	24.8	15.8

表5.5.2 2009年及歷年高雄港測站 X 觀測流速分佈百分比 (%) 統計表

流速 (cm/s) 年、月	0 ～ 5	5 ～ 10	10 ～ 15	15 ～ 20	20 ～ 25	25 ～ 30	30 ～ 35	35 ～ 40	40 ～ 45	45 ～ 50	50 ～ 60	60 ～ 80	80 ～ 100	100～ 120	120～ 150	150 <	合計 (%)
2008/12	1.6	1.9	6.4	6.0	8.6	10.1	16.4	16.0	10.6	11.8	9.5	1.1	.0	.0	.0	.0	100.
2009/01	1.1	9.6	9.9	7.1	8.8	11.7	12.1	11.5	10.2	8.0	8.5	1.3	.0	.0	.0	.0	100.
2009/02	7.8	18.2	20.4	14.5	14.5	8.7	7.2	4.0	1.8	1.8	.9	.0	.0	.0	.0	.0	100.
2009/03	4.8	12.5	13.4	19.0	15.1	13.4	10.1	6.1	4.1	.9	.4	.0	.0	.0	.0	.0	100.
2009/04	7.3	18.8	19.2	18.0	12.7	11.0	6.4	4.0	1.3	.7	.0	.3	.0	.0	.0	.0	100.
2009/05	2.3	7.0	14.5	15.6	13.8	12.7	9.7	7.3	6.2	3.2	3.9	3.1	.4	.0	.0	.0	100.
2009/06	4.0	11.7	14.8	14.1	11.9	9.1	8.6	6.1	4.2	5.4	3.8	2.8	1.4	.8	.7	.4	100.
2009/07	3.0	9.9	17.9	12.9	13.6	8.5	6.7	5.5	6.0	3.9	3.7	5.5	.5	1.6	.9	.0	100.
2009/08	2.3	7.3	10.9	10.7	11.3	12.2	12.0	10.7	5.2	5.2	5.9	5.0	1.1	.2	.0	.0	100.
2009/09	2.8	7.3	9.9	12.7	10.1	10.9	8.4	6.3	6.3	5.8	9.1	9.8	.3	.3	.0	.0	100.
2009/10	5.2	10.5	12.8	12.7	9.8	6.3	9.9	5.4	4.6	5.2	8.2	8.3	.8	.0	.0	.0	100.
2009/11	6.8	10.6	13.4	12.7	10.9	10.0	6.8	5.8	5.4	3.8	5.8	6.6	.7	.0	.0	.0	100.
2009/冬	3.5	9.6	12.0	9.1	10.6	10.1	12.1	10.7	7.7	7.4	6.4	.8	.0	.0	.0	.0	100.
2009/春	4.8	12.7	15.9	17.4	13.7	12.3	8.6	5.8	3.9	1.7	1.6	1.3	.2	.0	.0	.0	100.
2009/夏	3.3	10.0	14.6	12.8	12.2	9.8	9.0	7.2	5.0	5.0	4.3	4.1	1.1	.9	.6	.2	100.
2009/秋	5.0	9.6	12.2	12.7	10.3	8.9	8.4	5.8	5.4	4.9	7.6	8.2	.6	.1	.0	.0	100.
2009/年	4.2	10.5	13.6	13.0	11.7	10.3	9.6	7.4	5.5	4.7	5.0	3.6	.4	.2	.1	.0	100.
歷年/**01**	3.8	11.3	14.7	14.5	12.5	11.4	8.4	7.9	6.2	3.8	4.1	1.4	.0	.0	.0	.0	100.
歷年/**02**	3.4	9.6	14.1	15.0	14.1	12.1	10.9	7.0	4.3	2.9	3.5	2.6	.5	.0	.0	.0	100.
歷年/**03**	4.2	13.2	14.3	16.3	14.8	11.6	9.3	5.9	4.2	2.2	2.5	1.2	.2	.0	.0	.0	100.
歷年/**04**	8.0	16.4	16.1	14.7	11.6	8.4	5.9	4.9	3.6	3.6	4.0	2.6	.2	.0	.0	.0	100.
歷年/**05**	4.6	12.5	15.9	13.5	12.8	10.7	8.6	6.5	4.9	3.6	4.1	1.9	.3	.0	.0	.0	100.
歷年/**06**	3.5	10.0	12.6	12.3	11.5	10.2	9.8	7.3	6.3	4.8	5.3	4.1	1.3	.6	.3	.1	100.
歷年/**07**	3.7	10.2	12.3	12.5	12.0	10.2	8.1	7.0	5.2	4.5	6.2	5.1	2.1	.6	.3	.0	100.
歷年/**08**	4.2	10.4	12.4	12.2	11.2	10.9	8.9	7.2	5.3	4.5	5.4	4.6	1.9	.5	.3	.1	100.
歷年/**09**	3.5	8.8	10.9	11.1	10.1	9.2	7.9	7.0	5.9	5.7	7.6	7.8	2.6	.8	.6	.4	100.
歷年/**10**	4.5	11.3	13.3	12.5	11.2	8.7	8.5	5.8	5.1	4.6	6.4	6.0	1.4	.5	.2	.0	100.
歷年/**11**	3.9	9.0	12.4	12.2	10.9	11.2	8.9	7.1	5.6	4.0	6.0	6.0	2.1	.6	.0	.0	100.
歷年/**12**	4.1	9.4	12.9	12.7	11.4	10.8	8.5	7.6	5.5	4.8	5.5	4.6	1.9	.3	.1	.0	100.
歷年/冬	3.8	10.1	14.0	14.1	12.7	11.5	9.3	7.5	5.3	3.7	4.3	2.8	.8	.1	.0	.0	100.
歷年/春	5.6	14.0	15.4	14.8	13.1	10.3	7.9	5.8	4.3	3.2	3.5	1.9	.2	.0	.0	.0	100.
歷年/夏	3.8	10.2	12.4	12.3	11.6	10.4	8.9	7.2	5.6	4.6	5.6	4.6	1.8	.6	.3	.1	100.
歷年/秋	4.0	9.7	12.2	12.0	10.7	9.6	8.4	6.6	5.5	4.8	6.7	6.7	2.0	.6	.3	.2	100.
歷年/年	4.3	10.9	13.3	13.1	11.9	10.3	8.6	6.8	5.2	4.2	5.2	4.3	1.3	.4	.2	.1	100.

表5.5.3 2009年及歷年高雄港測站 X 觀測流向分佈百分比 (%) 統計表

流向 年、月	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	合計 (%)
2008/12	.1	.1	.4	.8	.8	4.2	10.9	28.7	27.9	14.0	8.6	1.8	.4	.5	.5	.3	100.
2009/01	.6	.2	.2	.6	1.1	2.8	11.0	25.5	26.0	10.2	3.5	1.4	1.9	5.8	7.9	1.3	100.
2009/02	2.6	1.7	.8	1.7	2.8	4.4	16.8	22.7	9.5	3.8	2.3	2.3	4.6	5.4	12.6	6.1	100.
2009/03	2.4	.9	.9	1.1	2.0	6.9	16.8	30.0	9.5	5.0	4.1	2.6	1.9	2.2	9.3	4.3	100.
2009/04	2.9	2.6	2.5	3.2	6.1	10.5	19.0	20.6	7.4	3.6	2.8	1.1	1.4	3.8	7.9	4.5	100.
2009/05	1.8	1.4	1.2	3.1	5.7	14.3	28.6	24.0	3.9	2.0	.8	.3	1.2	2.8	5.0	3.9	100.
2009/06	2.5	.7	1.1	2.1	2.2	4.7	12.4	15.9	8.6	4.6	3.6	3.5	4.5	10.7	17.0	5.7	100.
2009/07	2.5	.5	1.6	3.4	1.6	3.2	10.3	18.2	12.9	3.4	4.1	2.5	2.1	9.0	18.4	6.2	100.
2009/08	1.1	1.4	.9	.5	.0	.9	1.6	25.4	17.0	5.7	2.9	1.6	5.0	11.8	19.0	5.2	100.
2009/09	.7	.7	.2	.3	.3	2.1	8.3	28.6	15.7	4.8	3.3	3.3	3.0	9.4	14.9	4.5	100.
2009/10	1.2	1.6	1.2	1.0	1.9	5.0	12.8	29.8	9.4	1.9	1.4	1.2	2.3	6.0	15.8	7.4	100.
2009/11	1.8	1.0	.1	.1	1.1	3.4	15.3	35.8	5.2	3.0	1.0	1.1	2.3	3.1	17.0	8.6	100.
2009/冬	1.1	.6	.4	1.0	1.5	3.9	12.8	25.7	21.3	9.5	4.9	1.8	2.2	3.8	6.7	2.5	100.
2009/春	2.4	1.7	1.6	2.6	4.9	10.9	21.9	24.4	6.7	3.4	2.4	1.2	1.5	3.0	7.2	4.2	100.
2009/夏	2.1	.8	1.2	2.0	1.4	3.3	8.9	19.1	12.1	4.6	3.6	2.7	4.0	10.5	18.0	5.7	100.
2009/秋	1.3	1.1	.5	.5	1.2	3.6	12.3	31.5	9.8	3.1	1.8	1.8	2.5	6.0	15.9	6.9	100.
2009/年	1.7	1.1	.9	1.5	2.3	5.5	14.2	25.6	12.5	5.2	3.2	1.8	2.5	5.6	11.7	4.8	100.
歷年/**01**	1.9	1.0	.8	1.4	4.3	4.9	9.2	13.8	19.9	13.3	6.6	4.2	3.4	4.2	6.8	4.5	100.
歷年/**02**	1.6	1.4	1.3	2.0	5.0	5.9	8.6	23.2	19.9	12.6	5.1	2.7	1.8	2.2	4.0	2.7	100.
歷年/**03**	3.1	1.6	1.4	2.6	5.0	8.0	12.3	21.1	14.9	9.0	4.1	3.0	1.7	2.0	5.4	4.9	100.
歷年/**04**	4.3	3.0	2.5	3.0	5.9	8.5	12.8	23.4	12.4	3.7	2.4	1.3	1.8	2.8	6.3	6.2	100.
歷年/**05**	6.2	3.4	2.8	2.5	3.8	6.5	12.4	21.8	12.7	4.4	3.2	1.5	2.3	2.9	5.6	7.8	100.
歷年/**06**	7.9	4.0	3.4	2.6	2.9	4.0	7.5	14.0	11.4	6.2	3.3	3.0	3.4	6.1	9.8	10.5	100.
歷年/**07**	9.6	4.7	3.1	2.5	2.9	5.0	8.2	16.7	12.4	6.3	3.2	2.2	2.2	3.8	6.9	10.4	100.
歷年/**08**	8.4	4.2	2.8	1.7	2.1	3.7	9.5	16.2	13.4	7.5	3.5	2.0	2.5	3.6	7.5	11.4	100.
歷年/**09**	5.4	2.5	1.8	1.9	2.5	4.7	10.4	19.4	13.1	5.3	2.7	2.2	2.8	5.3	10.4	9.7	100.
歷年/**10**	5.0	2.6	2.2	2.1	3.0	5.6	10.7	24.0	10.0	3.6	2.7	2.5	3.3	5.2	10.3	7.3	100.
歷年/**11**	2.2	1.0	.6	.9	1.6	6.3	12.0	27.6	16.3	7.8	4.3	3.0	2.9	3.3	6.3	4.0	100.
歷年/**12**	1.4	.7	.7	1.0	1.7	4.9	11.1	17.9	19.5	14.2	7.9	4.2	4.4	4.2	3.3	2.9	100.
歷年/冬	1.6	1.0	1.0	1.5	3.8	5.2	9.5	18.4	19.8	13.3	6.4	3.7	3.1	3.5	4.7	3.3	100.
歷年/春	4.6	2.7	2.2	2.7	4.8	7.6	12.5	22.1	13.3	5.7	3.2	1.9	1.9	2.6	5.8	6.3	100.
歷年/夏	8.6	4.3	3.1	2.2	2.6	4.2	8.4	15.6	12.4	6.7	3.3	2.4	2.7	4.5	8.1	10.8	100.
歷年/秋	4.3	2.1	1.6	1.7	2.4	5.5	11.0	23.5	12.9	5.4	3.2	2.5	3.0	4.7	9.1	7.1	100.
歷年/年	5.1	2.7	2.1	2.1	3.3	5.6	10.3	19.9	14.1	7.3	3.8	2.6	2.7	3.9	7.3	7.3	100.

表5.5.4a 高雄港2009年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12	27.0	29.8	32.6	34.5	35.6	36.8	37.4	40.4	39.4	37.1	31.3	36.1	37.3	41.6	38.6	39.3	38.0	35.2	32.2	29.4	26.9	25.2	26.3	26.7
2009/01	25.2	26.4	29.0	30.9	29.3	30.4	30.5	28.4	28.3	25.7	28.8	32.1	36.2	37.8	39.5	38.3	35.8	33.4	31.7	30.0	28.9	25.0	22.5	23.3
2009/02	16.2	17.5	19.0	19.2	16.2	14.8	14.4	13.5	12.8	14.4	17.0	18.6	20.9	24.4	25.0	23.1	21.8	21.2	20.1	19.8	18.4	17.8	16.6	16.0
2009/03	20.5	19.3	20.8	22.8	21.4	22.3	21.7	21.5	17.5	20.0	21.7	22.2	26.3	24.6	26.1	24.5	20.3	20.2	20.5	17.9	19.0	17.9	18.1	18.7
2009/04	16.6	16.9	17.6	16.1	16.6	16.5	16.4	19.2	18.5	16.8	15.5	16.5	17.3	19.0	22.7	24.2	23.7	20.7	19.3	16.1	14.8	14.2	13.4	14.8
2009/05	20.7	23.0	26.0	31.3	33.3	31.7	30.3	30.5	30.8	26.3	23.7	21.8	21.2	24.6	30.1	32.0	30.4	26.0	26.4	26.2	25.4	23.8	21.1	19.5
2009/06	20.6	20.3	22.7	27.5	30.9	31.1	32.3	32.6	31.1	32.9	38.2	35.7	33.3	33.1	30.1	28.3	24.3	22.0	21.4	22.6	24.0	23.0	22.5	21.0
2009/07	28.0	27.9	26.6	25.2	25.3	27.3	30.8	33.8	37.5	37.8	36.2	37.6	37.8	35.8	32.6	24.9	23.4	23.2	21.6	22.8	22.6	22.3	21.3	24.9
2009/08	35.1	33.9	33.5	33.1	30.0	28.8	26.7	31.2	33.1	29.5	34.8	36.0	32.2	27.6	23.2	20.0	18.8	22.3	28.8	30.3	32.5	32.8	32.6	35.1
2009/09	32.6	32.7	34.7	37.9	36.9	34.9	28.9	24.4	26.8	29.0	33.9	34.1	30.4	24.6	23.0	22.8	27.3	34.1	38.1	36.7	36.4	35.4	35.3	35.5
2009/10	36.0	34.0	34.1	34.0	33.6	32.2	27.0	20.3	19.6	22.0	20.4	18.5	13.6	16.3	24.1	32.3	37.0	41.0	40.0	36.2	34.3	33.3	28.0	33.7
2009/11	33.2	28.0	24.0	20.7	18.9	16.4	16.5	15.0	13.5	14.6	15.7	18.3	21.2	28.3	33.8	40.0	40.5	39.8	36.0	33.0	34.4	37.2	35.8	35.2
2009/冬	22.9	24.7	27.0	28.3	27.3	27.6	27.7	27.9	27.6	26.5	25.8	29.1	31.5	35.0	34.7	33.9	32.4	30.1	28.2	26.5	24.7	22.7	22.0	22.2
2009/春	19.2	19.8	21.6	23.5	24.1	23.7	23.0	24.0	22.8	21.2	20.2	20.0	21.2	22.6	26.4	27.1	25.2	22.5	22.2	20.3	19.8	18.7	17.5	17.6
2009/夏	26.6	26.1	26.7	28.4	29.1	29.4	30.4	32.5	33.4	33.3	36.8	36.3	34.2	32.3	28.9	25.0	22.5	22.4	23.5	24.8	26.1	25.6	25.0	26.1
2009/秋	34.0	31.6	30.9	30.5	29.5	27.6	23.9	19.7	19.4	21.2	22.5	22.9	21.0	22.9	27.2	32.4	35.2	38.5	38.1	35.3	35.0	35.3	32.9	34.8
2009/年	25.6	25.6	26.6	27.7	27.4	27.0	26.0	25.6	25.4	25.1	25.7	26.5	26.6	27.9	29.3	29.9	29.2	28.8	28.3	26.9	26.5	25.6	24.4	25.1

單位: cm/s

表5.5.4b 高雄港 歷年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/**12**	23.8	25.5	26.0	28.1	28.2	27.9	28.5	29.2	28.4	27.7	26.0	28.1	30.8	34.7	35.2	36.7	35.5	33.9	30.7	27.6	25.7	23.9	22.6	22.7
歷年/**01**	22.0	23.2	24.0	25.7	24.7	23.7	23.9	24.0	23.9	22.1	22.2	23.2	24.6	26.8	28.7	29.1	29.8	28.8	28.2	25.8	24.3	20.9	20.0	21.0
歷年/**02**	22.0	23.9	23.6	24.1	24.8	25.6	24.3	23.9	23.8	23.2	23.8	25.4	26.9	27.3	28.6	29.4	30.0	27.8	26.9	25.7	23.7	24.3	22.5	22.5
歷年/**03**	20.6	20.2	19.9	20.1	20.1	21.3	21.7	23.1	22.3	22.8	22.4	23.9	25.7	26.7	27.1	27.0	25.6	24.9	23.7	23.6	21.3	19.8	19.8	19.2
歷年/**04**	17.2	17.3	18.1	19.6	21.2	22.3	23.0	24.2	23.9	23.9	24.4	25.1	25.9	25.6	25.4	24.7	23.7	23.7	22.6	21.0	20.2	18.8	17.9	17.5
歷年/**05**	20.2	20.7	21.7	23.8	25.9	26.9	26.8	26.9	25.3	25.3	25.3	24.9	26.2	27.3	27.6	27.2	26.1	23.7	22.8	21.8	21.0	20.3	20.2	19.7
歷年/**06**	23.0	23.4	23.9	26.1	27.7	28.5	29.2	28.7	29.5	30.1	31.9	33.8	35.2	35.5	35.5	34.3	33.0	30.5	28.7	26.2	25.2	24.7	24.9	23.1
歷年/**07**	25.1	26.1	26.5	26.9	28.1	28.4	28.5	28.8	30.6	32.1	34.1	34.7	35.7	34.8	34.1	33.9	32.6	30.4	28.8	26.6	25.8	25.3	23.9	24.9
歷年/**08**	25.2	25.9	26.6	26.9	27.8	27.8	28.8	30.7	31.3	31.1	32.7	34.9	35.8	33.6	31.2	29.2	26.9	26.8	27.0	27.3	27.3	26.9	27.1	26.4
歷年/**09**	34.0	33.0	33.1	33.6	33.8	34.2	32.3	30.9	31.1	31.7	33.9	35.1	34.6	33.2	31.8	31.6	33.3	35.3	36.5	35.5	35.0	33.5	32.7	32.5
歷年/**10**	30.4	30.2	29.5	29.2	28.8	27.3	24.8	23.1	21.9	21.6	21.6	23.2	23.2	24.8	27.9	32.0	35.3	36.2	36.9	35.0	33.9	31.9	30.2	30.3
歷年/**11**	26.9	25.9	25.9	24.5	24.8	23.5	22.4	21.8	21.5	21.5	21.7	27.4	32.7	37.1	39.8	41.7	40.9	39.9	36.3	34.9	32.4	31.2	29.2	28.6
歷年/冬	22.5	24.1	24.4	25.9	25.8	25.6	25.4	25.6	25.2	24.1	23.9	25.5	27.3	29.4	30.6	31.5	31.6	30.0	28.5	26.3	24.5	23.0	21.7	22.0
歷年/春	19.4	19.4	20.0	21.3	22.5	23.6	23.9	24.8	23.9	24.1	24.0	24.6	25.9	26.6	26.8	26.3	25.2	24.1	23.0	22.1	20.8	19.6	19.3	18.8
歷年/夏	24.4	25.1	25.7	26.6	27.9	28.2	28.9	29.4	30.5	31.1	32.9	34.5	35.6	34.6	33.6	32.4	30.8	29.2	28.1	26.7	26.1	25.7	25.3	24.8
歷年/秋	30.6	29.9	29.7	29.3	29.3	28.6	26.7	25.5	25.0	25.0	25.9	28.6	30.0	31.4	32.9	34.8	36.3	37.0	36.6	35.1	33.9	32.3	30.8	30.6
歷年/年	24.8	25.1	25.3	26.1	26.7	26.8	26.5	26.5	26.4	26.4	27.2	28.8	30.2	30.9	31.2	31.6	31.3	30.5	29.5	28.1	26.9	25.8	24.9	24.6

單位: cm/s

表5.5.5a 高雄港2009年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12	50.8	56.0	66.2	61.8	51.1	50.1	58.9	60.1	57.8	59.0	50.7	60.4	56.8	59.0	58.8	64.2	60.5	56.2	59.7	54.6	53.6	55.0	55.0	60.1
2009/01	42.0	45.3	49.0	55.2	65.2	58.5	55.3	55.2	51.5	51.9	53.0	52.6	60.7	60.3	63.1	70.7	66.7	61.0	58.3	55.8	68.1	56.3	51.6	48.1
2009/02	48.0	46.7	52.3	41.7	36.3	32.4	34.6	33.0	32.3	35.9	46.4	47.9	47.7	52.0	56.0	55.4	43.7	45.8	40.5	41.5	50.7	46.0	35.9	44.0
2009/03	44.1	33.6	37.2	36.5	42.1	40.2	40.7	44.4	41.4	40.8	40.3	44.0	47.3	48.1	46.8	39.4	42.6	56.8	55.5	45.8	38.8	35.8	34.5	32.0
2009/04	38.4	37.0	37.1	43.4	38.4	40.5	38.7	46.4	38.5	35.7	33.2	45.1	44.8	49.0	62.0	63.3	48.9	45.6	43.3	38.8	33.8	32.1	36.7	34.5
2009/05	40.2	56.5	66.3	83.1	91.3	82.3	69.6	59.9	56.4	54.0	40.9	46.8	41.0	51.9	59.0	54.4	68.7	76.9	70.6	64.2	56.7	44.6	44.8	45.3
2009/06	55.3	47.2	52.3	56.0	91.5	130.1	158.8	167.4	152.6	121.2	104.1	132.1	113.5	108.5	74.2	61.6	57.4	81.4	78.7	70.1	80.4	96.2	69.9	54.4
2009/07	71.2	68.9	53.5	45.4	43.5	55.8	89.3	115.0	122.8	117.4	136.7	138.0	114.6	114.5	118.6	128.3	118.2	106.3	97.2	76.7	61.3	44.0	47.0	65.1
2009/08	78.8	84.2	84.9	71.0	50.6	50.5	57.6	66.4	58.1	84.4	100.2	98.3	66.1	55.4	40.2	34.9	37.3	42.5	43.7	53.5	53.3	60.0	65.1	69.6
2009/09	65.5	63.4	64.7	73.0	72.4	80.6	109.9	104.7	57.2	69.7	71.0	60.1	71.2	59.6	63.5	53.8	64.1	61.7	70.8	74.8	80.5	75.0	72.7	69.0
2009/10	82.5	81.6	69.3	72.8	72.0	63.2	49.9	36.2	42.3	66.1	60.8	45.9	31.1	63.7	69.9	76.7	89.2	81.9	84.5	76.7	65.4	67.8	62.4	72.4
2009/11	68.6	88.8	77.6	54.9	43.3	39.0	43.6	32.0	33.3	35.9	49.9	44.0	48.5	70.0	73.1	76.6	69.5	71.5	68.7	70.6	93.6	86.2	80.3	78.8
2009/冬	50.8	56.0	66.2	61.8	65.2	58.5	58.9	60.1	57.8	59.0	53.0	60.4	60.7	60.3	63.1	70.7	66.7	61.0	59.7	55.8	68.1	56.3	55.0	60.1
2009/春	44.1	56.5	66.3	83.1	91.3	82.3	69.6	59.9	56.4	54.0	40.9	46.8	47.3	51.9	62.0	63.3	68.7	76.9	70.6	64.2	56.7	44.6	44.8	45.3
2009/夏	78.8	84.2	84.9	71.0	91.5	130.1	158.8	167.4	152.6	121.2	136.7	138.0	114.6	114.5	118.6	128.3	118.2	106.3	97.2	76.7	80.4	96.2	69.9	69.6
2009/秋	82.5	88.8	77.6	73.0	72.4	80.6	109.9	104.7	57.2	69.7	71.0	60.1	71.2	70.0	73.1	76.7	89.2	81.9	84.5	76.7	93.6	86.2	80.3	78.8
2009/年	82.5	88.8	84.9	83.1	91.5	130.1	158.8	167.4	152.6	121.2	136.7	138.0	114.6	114.5	118.6	128.3	118.2	106.3	97.2	76.7	93.6	96.2	80.3	78.8

單位: cm/s

表5.5.5b 高雄港 歷年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/**12**	85.0	73.0	82.8	78.0	90.9	93.3	100.4	87.3	84.3	83.3	89.4	106.1	124.2	128.4	125.7	118.8	107.9	98.1	92.9	98.6	94.7	86.8	94.2	77.8
歷年/**01**	54.3	56.2	59.1	61.0	65.2	72.4	56.3	59.8	79.8	51.9	64.1	101.5	75.8	60.5	71.4	72.5	74.1	82.9	79.9	74.5	68.1	58.8	57.3	59.9
歷年/**02**	74.4	72.8	57.5	62.3	80.0	58.7	58.9	66.2	71.3	74.4	74.6	83.1	79.1	90.7	87.2	92.4	87.4	100.6	79.3	77.3	72.1	78.1	73.0	76.7
歷年/**03**	72.1	59.6	56.9	59.5	56.0	59.3	66.3	72.5	80.0	87.0	75.0	82.5	84.5	79.3	83.6	81.2	75.7	80.6	70.9	83.4	62.8	59.5	60.2	58.4
歷年/**04**	78.9	78.8	68.6	66.8	95.1	84.8	86.6	85.3	72.8	74.6	82.9	91.5	95.3	76.0	65.5	69.9	70.3	86.4	75.6	72.5	67.1	59.7	64.4	76.6
歷年/**05**	57.1	57.0	66.3	83.1	91.3	82.3	71.2	69.5	66.8	74.8	64.9	86.7	90.5	91.2	91.7	96.2	77.7	81.7	70.6	82.8	82.3	102.6	81.3	68.3
歷年/**06**	92.1	70.2	67.6	82.3	91.5	130.1	158.8	167.4	152.6	121.2	122.5	209.4	152.8	138.0	145.1	142.2	125.4	133.6	115.3	126.3	86.5	115.5	125.7	84.4
歷年/**07**	107.5	104.1	116.6	108.7	101.9	107.7	94.7	123.2	122.8	129.9	146.7	149.0	168.6	124.9	118.6	128.3	118.2	106.3	97.2	88.2	89.5	102.0	113.1	115.3
歷年/**08**	99.7	118.1	118.2	132.6	165.6	160.4	148.9	151.2	145.3	154.1	134.1	158.3	140.3	117.2	114.9	98.1	88.4	87.4	91.2	93.5	84.9	110.1	137.2	122.8
歷年/**09**	164.3	167.9	164.1	157.4	173.2	167.8	125.0	122.7	183.1	241.9	230.6	236.5	210.3	183.2	157.9	157.0	162.1	150.5	124.6	117.9	133.9	142.3	147.5	97.5
歷年/**10**	115.8	105.8	117.2	135.5	94.3	97.2	91.3	95.0	108.2	146.8	145.5	170.7	180.8	151.7	142.4	135.3	127.5	118.6	114.6	109.9	114.1	111.1	108.7	104.4
歷年/**11**	95.6	88.8	97.2	84.7	78.9	76.9	71.7	69.9	72.8	92.1	84.7	80.4	87.1	95.0	102.8	111.0	118.9	122.3	117.2	114.2	115.1	102.0	98.7	111.6
歷年/冬	85.0	73.0	82.8	78.0	90.9	93.3	100.4	87.3	84.3	83.3	89.4	106.1	124.2	128.4	125.7	118.8	107.9	100.6	92.9	98.6	94.7	86.8	94.2	77.8
歷年/春	78.9	78.8	68.6	83.1	95.1	84.8	86.6	85.3	80.0	87.0	82.9	91.5	95.3	91.2	91.7	96.2	77.7	86.4	75.6	83.4	82.3	102.6	81.3	76.6
歷年/夏	107.5	118.1	118.2	132.6	165.6	160.4	158.8	167.4	152.6	154.1	146.7	209.4	168.6	138.0	145.1	142.2	125.4	133.6	115.3	126.3	89.5	115.5	137.2	122.8
歷年/秋	164.3	167.9	164.1	157.4	173.2	167.8	125.0	122.7	183.1	241.9	230.6	236.5	210.3	183.2	157.9	157.0	162.1	150.5	124.6	117.9	133.9	142.3	147.5	111.6
歷年/年	164.3	167.9	164.1	157.4	173.2	167.8	158.8	167.4	183.1	241.9	230.6	236.5	210.3	183.2	157.9	157.0	162.1	150.5	124.6	126.3	133.9	142.3	147.5	122.8

單位: cm/s

表5.5.6a 2009年高雄港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12	40.	26.	40.	40.	36.	30.	28.	39.	35.	33.	31.	26.	36.	32.	36.	36.	45.	29.	42.	35.	38.	33.	26.	31.	40.	35.	30.	29.	29.	38.	31.
2009/01	30.	36.	33.	36.	36.	33.	32.	32.	29.	34.	35.	39.	39.	35.	39.	38.				27.	18.	30.	25.	25.	29.	32.	29.	22.	19.	22.	15.
2009/02	11.	13.	12.	15.	17.	17.	21.	26.	20.	19.	21.	12.	21.	20.	18.	16.	16.	10.	18.	29.	18.	14.	20.	11.	23.	25.	21.	26.			
2009/03	28.	23.	25.	22.	17.	28.	28.	28.	32.	22.	20.		17.	17.	13.	12.	19.	19.								19.	16.	22.	20.	16.	21.
2009/04	26.	21.	18.	18.	17.	18.	12.	19.	13.	15.	16.	17.	14.	22.	15.	11.	20.	19.	19.	7.	17.	15.	12.	19.	22.	20.	20.	22.	23.	22.	
2009/05	20.	22.	22.	24.	24.	32.	30.	35.	36.	42.	47.	51.	34.	20.	24.	23.	20.	23.	25.	16.	20.	20.	24.	24.	19.	23.	26.	23.	24.	24.	25.
2009/06	19.	16.	25.	36.	38.	24.	23.	21.	28.	25.	28.	25.	17.	19.	17.	22.	16.	23.	33.	65.	59.	30.	29.	24.	39.	39.	32.	20.	20.	16.	
2009/07	20.	18.	23.	25.	25.	28.	26.	27.	28.	29.	25.	27.	25.	43.	24.	22.	21.	81.	15.												
2009/08													19.	25.	30.	21.	28.	36.	34.	32.	33.	34.	27.	27.	25.	24.	28.	30.	39.	37.	33.
2009/09	29.	28.	28.	31.	28.	27.	27.	27.	24.	27.	34.	35.	20.	29.	38.	40.	30.	34.	28.				49.	34.	38.	40.	34.	37.	34.	42.	
2009/10	50.	45.	34.	36.	37.	35.	29.	30.	36.	38.	32.	30.	24.	25.	25.	28.	27.	33.	34.	34.	29.	33.	34.	29.	21.	21.	18.	17.	12.	14.	13.
2009/11	17.	21.	32.	29.	33.	30.	31.	44.	34.	38.	38.	33.	28.	27.	24.	22.	23.	22.	35.	31.	27.	32.	28.	24.	19.	14.	16.	19.	17.	20.	
2009/冬	26.	25.	28.	30.	30.	27.	27.	32.	28.	30.	29.	26.	32.	29.	31.	29.	30.	20.	30.	31.	25.	25.	24.	23.	31.	30.	27.	26.	24.	30.	23.
2009/春	25.	22.	22.	21.	19.	26.	24.	27.	27.	27.	28.	34.	22.	20.	17.	15.	20.	21.	22.	12.	18.	18.	18.	22.	21.	21.	20.	22.	22.	21.	23.
2009/夏	19.	17.	24.	31.	31.	26.	24.	24.	28.	27.	27.	26.	21.	29.	24.	21.	22.	47.	32.	49.	46.	32.	28.	26.	32.	32.	30.	25.	30.	27.	33.
2009/秋	32.	31.	31.	32.	33.	31.	29.	34.	31.	34.	34.	33.	24.	27.	29.	30.	27.	30.	33.	33.	28.	33.	35.	29.	26.	25.	23.	24.	21.	26.	13.
2009/年	26.	25.	27.	28.	28.	27.	26.	30.	29.	30.	30.	30.	25.	26.	25.	24.	24.	30.	30.	31.	29.	27.	26.	25.	28.	27.	24.	24.	24.	25.	23.

單位: cm/s

表5.5.6b　歷年高雄港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/12	29.	29.	29.	37.	27.	27.	28.	29.	26.	24.	22.	22.	24.	26.	28.	27.	30.	24.	31.	24.	23.	24.	30.	35.	34.	32.	38.	36.	36.	42.	43.
歷年/01	25.	23.	21.	24.	26.	21.	21.	22.	22.	21.	25.	29.	29.	26.	27.	23.	23.	30.	29.	33.	27.	27.	25.	23.	25.	28.	23.	22.	20.	23.	22.
歷年/02	19.	21.	19.	20.	20.	20.	21.	24.	23.	25.	25.	26.	28.	25.	26.	27.	28.	25.	30.	29.	27.	24.	29.	28.	28.	28.	28.	27.	17.		
歷年/03	31.	23.	27.	26.	23.	25.	27.	24.	25.	23.	22.	26.	27.	20.	20.	21.	19.	23.	22.	23.	23.	19.	23.	20.	22.	20.	17.	22.	21.	17.	21.
歷年/04	21.	21.	22.	23.	20.	17.	22.	22.	19.	20.	19.	18.	20.	22.	23.	21.	20.	21.	22.	22.	22.	25.	24.	24.	24.	23.	24.	24.	24.	28.	
歷年/05	26.	25.	22.	23.	26.	26.	26.	30.	26.	25.	25.	27.	23.	21.	18.	22.	27.	24.	26.	23.	22.	23.	25.	23.	28.	24.	21.	18.	21.	25.	22.
歷年/06	22.	26.	24.	28.	29.	26.	26.	23.	28.	28.	27.	28.	27.	29.	32.	29.	25.	25.	29.	33.	35.	32.	32.	30.	30.	36.	35.	31.	29.	27.	
歷年/07	27.	30.	30.	32.	27.	29.	29.	30.	32.	30.	30.	29.	31.	30.	33.	26.	24.	41.	32.	29.	30.	30.	28.	27.	28.	29.	28.	28.	27.	27.	29.
歷年/08	27.	26.	28.	34.	37.	28.	28.	29.	26.	26.	25.	24.	34.	26.	22.	19.	26.	30.	26.	31.	36.	29.	31.	31.	28.	27.	29.	32.	32.	36.	33.
歷年/09	40.	35.	32.	34.	31.	34.	32.	31.	32.	32.	34.	36.	33.	32.	37.	35.	32.	34.	38.	33.	27.	28.	40.	30.	35.	36.	30.	37.	33.	30.	
歷年/10	29.	31.	34.	28.	30.	42.	31.	31.	31.	28.	27.	27.	25.	26.	23.	27.	28.	28.	30.	28.	27.	28.	26.	25.	26.	29.	29.	29.	30.	28.	25.
歷年/11	28.	27.	31.	32.	31.	31.	32.	35.	34.	31.	33.	30.	28.	32.	32.	30.	29.	31.	32.	30.	30.	29.	30.	29.	26.	24.	27.	26.	27.	24.	
歷年/冬	24.	24.	23.	27.	24.	22.	23.	25.	24.	23.	24.	26.	27.	26.	27.	26.	27.	26.	30.	28.	26.	25.	28.	27.	28.	29.	28.	27.	24.	31.	31.
歷年/春	26.	23.	24.	24.	23.	23.	25.	26.	23.	23.	22.	24.	23.	21.	20.	22.	23.	23.	23.	22.	23.	23.	24.	22.	24.	22.	20.	21.	22.	23.	21.
歷年/夏	25.	27.	28.	31.	31.	28.	28.	27.	28.	28.	27.	27.	31.	28.	29.	25.	25.	32.	29.	31.	34.	30.	30.	29.	29.	31.	31.	30.	29.	30.	31.
歷年/秋	32.	31.	33.	31.	31.	36.	32.	32.	32.	30.	31.	31.	29.	30.	31.	31.	30.	31.	34.	30.	28.	28.	32.	28.	29.	30.	29.	32.	30.	27.	25.
歷年/年	28.	27.	27.	29.	28.	28.	27.	28.	27.	27.	27.	27.	28.	27.	27.	26.	26.	29.	29.	29.	28.	27.	29.	27.	28.	28.	28.	28.	27.	28.	27.

單位: cm/s

表5.5.7a 2009年高雄港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12	61.	52.	56.	60.	55.	42.	44.	60.	55.	52.	66.	46.	56.	58.	64.	59.	60.	51.	57.	59.	53.	49.	39.	46.	57.	48.	50.	48.	55.	57.	55.
2009/01	49.	59.	49.	56.	55.	46.	52.	52.	53.	55.	50.	58.	65.	55.	61.	59.				41.	42.	51.	52.	58.	68.	71.	61.	45.	42.	56.	43.
2009/02	23.	24.	31.	32.	51.	46.	46.	56.	39.	35.	46.	27.	43.	36.	35.	34.	29.	27.	39.	51.	29.	44.	48.	27.	52.	40.	31.	41.			
2009/03	39.	38.	39.	36.	33.	44.	44.	44.	48.	45.	40.		41.	37.	41.	27.	37.	40.								37.	29.	57.	46.	42.	36.
2009/04	63.	33.	36.	38.	31.	37.	30.	44.	26.	33.	33.	34.	25.	41.	36.	24.	29.	43.	46.	17.	33.	37.	19.	39.	49.	38.	45.	40.	46.	39.	
2009/05	54.	33.	41.	50.	52.	47.	59.	65.	64.	77.	91.	79.	56.	35.	45.	41.	47.	35.	44.	30.	40.	32.	43.	56.	37.	41.	45.	52.	51.	49.	49.
2009/06	40.	33.	43.	62.	54.	48.	45.	37.	72.	60.	52.	64.	37.	49.	49.	34.	35.	49.	69.	122.	167.	102.	68.	64.	132.	101.	85.	43.	47.	37.	
2009/07	38.	42.	51.	69.	75.	74.	64.	61.	71.	71.	79.	47.	45.	78.	71.	54.	55.	138.	17.												
2009/08													32.	39.	54.	49.	58.	90.	100.	74.	57.	66.	53.	46.	51.	60.	64.	68.	79.	85.	61.
2009/09	65.	55.	57.	70.	63.	57.	61.	63.	47.	67.	75.	68.	54.	80.	110.	70.	71.	66.	41.				71.	65.	80.	73.	73.	66.	63.	71.	
2009/10	89.	75.	57.	61.	68.	70.	72.	84.	77.	82.	65.	73.	56.	50.	57.	42.	53.	74.	84.	75.	71.	72.	79.	66.	64.	61.	59.	53.	32.	33.	35.
2009/11	46.	80.	94.	60.	77.	65.	70.	80.	61.	63.	65.	76.	64.	62.	52.	68.	60.	80.	65.	65.	63.	89.	69.	53.	32.	29.	45.	37.	38.	57.	
2009/冬	61.	59.	56.	60.	55.	46.	52.	60.	55.	55.	66.	58.	65.	58.	64.	59.	60.	51.	57.	59.	53.	51.	52.	58.	68.	71.	61.	48.	55.	57.	55.
2009/春	63.	38.	41.	50.	52.	47.	59.	65.	64.	77.	91.	79.	56.	41.	45.	41.	47.	43.	46.	30.	40.	37.	43.	56.	49.	41.	45.	57.	51.	49.	49.
2009/夏	40.	42.	51.	69.	75.	74.	64.	61.	72.	71.	79.	64.	45.	78.	71.	54.	58.	138.	100.	122.	167.	102.	68.	64.	132.	101.	85.	68.	79.	85.	61.
2009/秋	89.	80.	94.	70.	77.	70.	72.	84.	77.	82.	75.	76.	64.	80.	110.	70.	71.	80.	84.	75.	71.	89.	79.	66.	80.	73.	73.	66.	63.	71.	35.
2009/年	89.	80.	94.	70.	77.	74.	72.	84.	77.	82.	91.	79.	65.	80.	110.	70.	71.	138.	100.	122.	167.	102.	79.	66.	132.	101.	85.	68.	79.	85.	61.

單位: cm/s

表5.5.7b　歷年高雄港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/12	91.	108.	86.	100.	87.	91.	99.	95.	94.	100.	71.	46.	56.	67.	64.	64.	75.	59.	83.	63.	53.	51.	62.	83.	67.	60.	99.	93.	103.	128.	126.
歷年/01	73.	64.	49.	56.	61.	46.	52.	57.	58.	55.	60.	60.	71.	74.	69.	59.	56.	102.	64.	75.	60.	58.	70.	58.	68.	76.	61.	80.	64.	65.	72.
歷年/02	60.	63.	68.	80.	51.	59.	63.	64.	58.	67.	65.	73.	75.	75.	73.	74.	101.	79.	91.	87.	92.	89.	87.	90.	76.	73.	72.	78.	25.		
歷年/03	87.	65.	67.	75.	74.	84.	81.	70.	58.	45.	81.	69.	63.	47.	69.	55.	50.	51.	83.	59.	60.	58.	53.	49.	61.	49.	43.	57.	62.	49.	56.
歷年/04	63.	56.	95.	79.	66.	67.	78.	95.	64.	72.	66.	65.	74.	68.	73.	75.	73.	53.	66.	64.	86.	65.	68.	75.	55.	74.	65.	64.	67.	77.	
歷年/05	84.	74.	64.	57.	78.	68.	75.	96.	67.	77.	91.	79.	71.	57.	72.	73.	103.	57.	65.	57.	64.	66.	58.	70.	62.	61.	48.	52.	63.	91.	71.
歷年/06	58.	73.	95.	78.	116.	64.	72.	68.	104.	75.	97.	69.	87.	115.	125.	89.	110.	100.	96.	122.	167.	102.	209.	145.	132.	142.	134.	110.	89.	79.	
歷年/07	91.	103.	93.	95.	94.	110.	91.	94.	123.	85.	79.	91.	94.	93.	99.	92.	85.	138.	117.	169.	121.	78.	82.	86.	108.	147.	125.	93.	123.	130.	104.
歷年/08	69.	90.	100.	94.	121.	125.	80.	101.	128.	98.	69.	84.	166.	87.	85.	65.	92.	102.	100.	158.	137.	100.	92.	94.	93.	72.	116.	127.	151.	154.	114.
歷年/09	199.	179.	158.	127.	100.	99.	113.	74.	110.	92.	95.	173.	100.	104.	110.	110.	143.	134.	242.	152.	99.	98.	162.	108.	99.	110.	97.	119.	90.	77.	
歷年/10	98.	95.	181.	79.	116.	150.	111.	135.	114.	112.	98.	77.	83.	87.	77.	74.	75.	77.	84.	111.	113.	79.	82.	92.	104.	86.	100.	103.	109.	83.	72.
歷年/11	94.	90.	112.	108.	117.	122.	117.	99.	112.	88.	100.	103.	88.	105.	105.	99.	102.	94.	120.	72.	99.	93.	92.	78.	84.	87.	85.	71.	78.	77.	
歷年/冬	91.	108.	86.	100.	87.	91.	99.	95.	94.	100.	71.	73.	75.	75.	73.	74.	101.	102.	91.	87.	92.	89.	87.	90.	76.	76.	99.	93.	103.	128.	126.
歷年/春	87.	74.	95.	79.	78.	84.	81.	96.	67.	77.	91.	79.	74.	68.	73.	75.	103.	57.	83.	64.	86.	66.	68.	75.	62.	74.	65.	64.	67.	91.	71.
歷年/夏	91.	103.	100.	95.	121.	125.	91.	101.	128.	98.	97.	91.	166.	115.	125.	92.	110.	138.	117.	169.	167.	102.	209.	145.	132.	147.	134.	127.	151.	154.	114.
歷年/秋	199.	179.	181.	127.	117.	150.	117.	135.	114.	112.	100.	173.	100.	105.	110.	110.	143.	134.	242.	152.	113.	98.	162.	108.	104.	110.	100.	119.	109.	83.	72.
歷年/年	199.	179.	181.	127.	121.	150.	117.	135.	128.	112.	100.	173.	166.	115.	125.	110.	143.	138.	242.	169.	167.	102.	209.	145.	132.	147.	134.	127.	151.	154.	126.

單位: cm/s

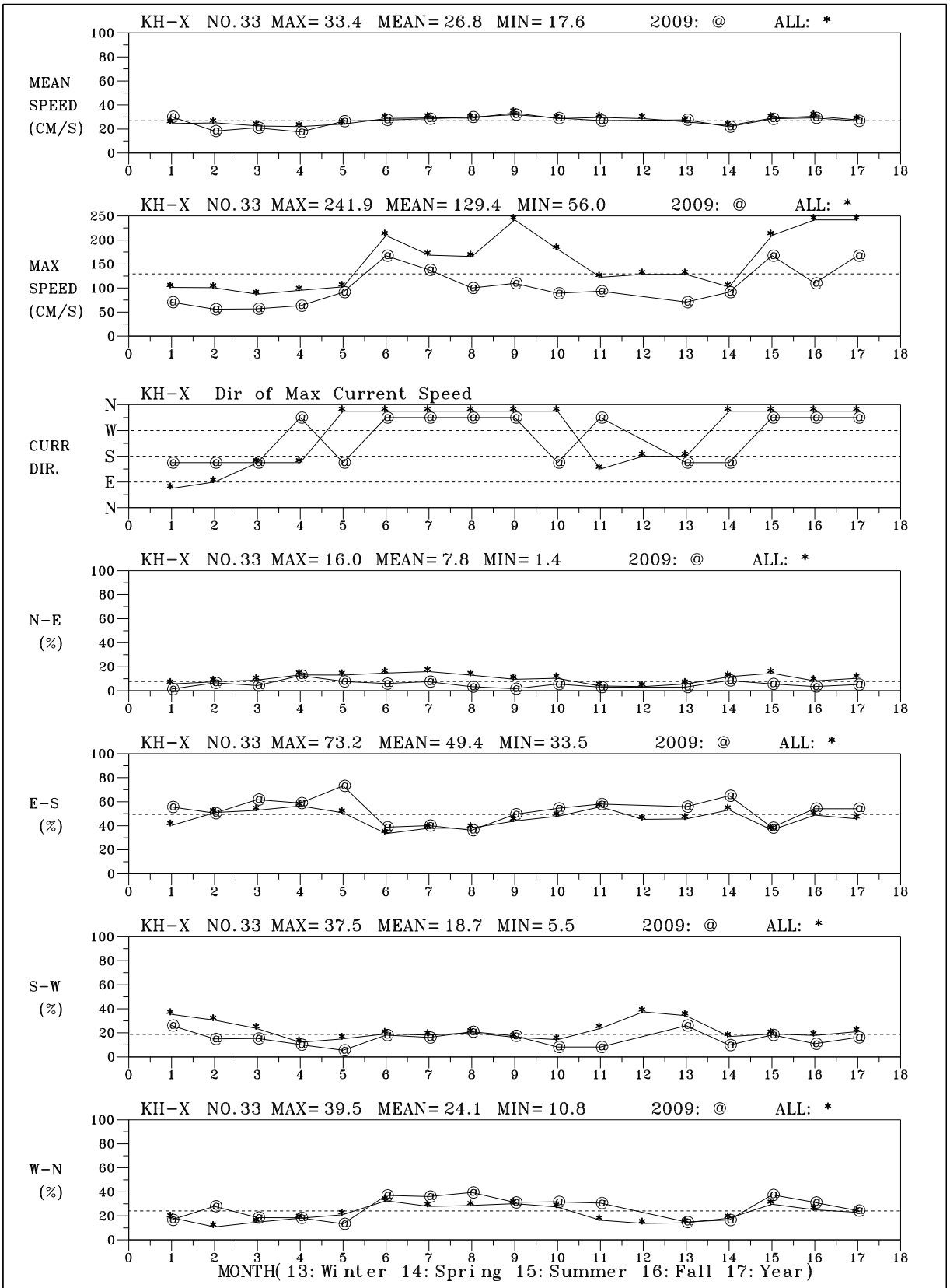


圖5.5.1 高雄港 A 站2009及歷年月季海流統計圖

C09XKHX0.ST2	Institute of Harbor & Marine Technology

PLQC2A1.BAT(PLQCU2A1.FOR) 2010. 10. 19

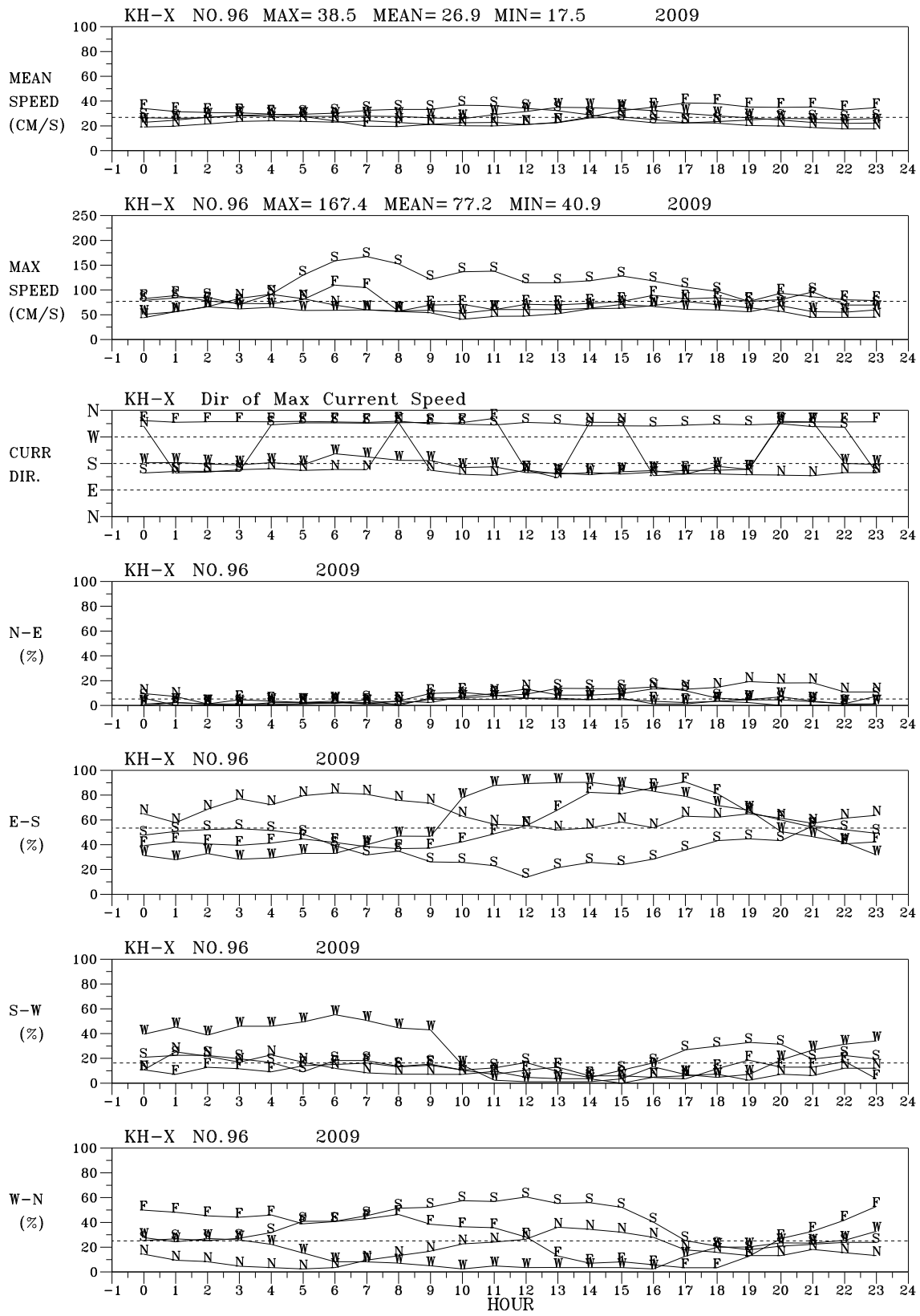


圖5.5.2 高雄港 A 站2009年四季24時海流統計圖

C090KHX0.1HA	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19

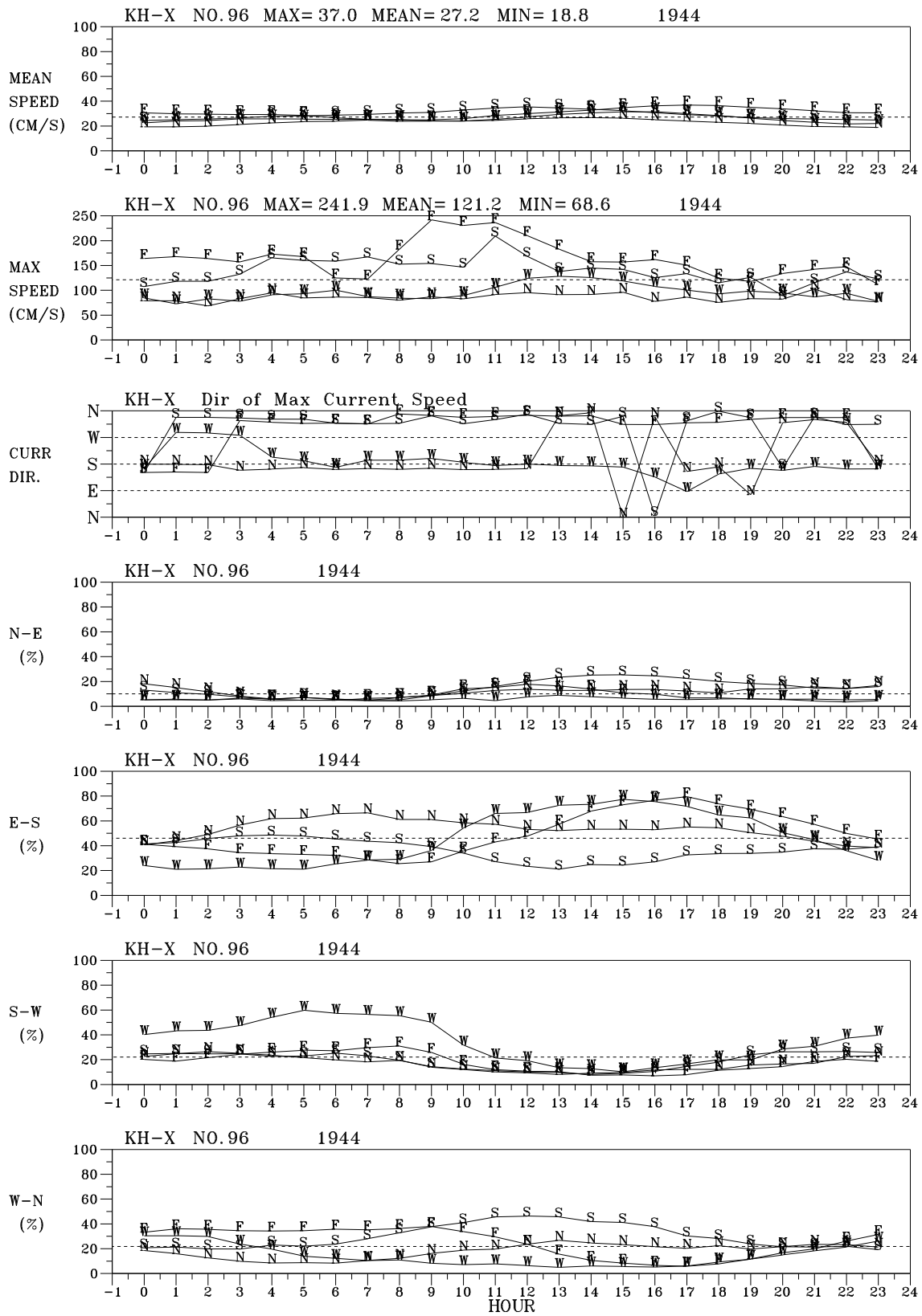


圖5.5.3 高雄港 A 站歷年四季24時海流統計量圖

C440KHX0.1HY	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19

5.6　2009年花蓮港海流重要參數統計表及統計圖

表5.6.1a 2009年花蓮港測站 X 觀測流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	744(100%)	15.0	55.8 /WSW	1.1 / SE	87.2	12.5	.1	.0	36.3	10.2	37.4	16.0
2	**2009/01**	744(100%)	16.0	68.4 /W	2.3 / SW	84.4	15.2	.3	.0	31.3	10.8	44.9	12.9
3	**2009/02**	650(97%)	16.9	56.6 /ENE	.8 /WNW	80.3	19.1	.5	.0	39.1	8.6	38.8	13.4
4	**2009/03**	743(100%)	16.6	55.1 /WSW	3.4 /WSW	81.6	18.2	.3	.0	29.2	10.8	45.4	14.7
5	**2009/04**	718(100%)	15.5	49.5 /WSW	2.8 / NW	86.2	13.5	.0	.0	37.0	7.7	32.6	22.4
6	**2009/05**	744(100%)	15.7	55.5 /WSW	1.4 /NNW	85.6	13.8	.1	.0	37.2	12.8	30.2	19.4
7	**2009/06**	716(99%)	14.3	78.0 /WSW	1.4 / N	90.5	8.8	.7	.0	36.5	20.0	22.1	21.5
8	**2009/07**	736(99%)	14.9	72.7 /ESE	.7 / NE	90.1	8.8	.7	.0	31.0	24.7	21.9	22.0
9	**2009/08**	742(100%)	15.8	70.9 /S	3.1 / S	86.0	12.7	1.2	.0	24.3	29.9	32.1	13.6
10	**2009/09**	720(100%)	14.7	56.3 /WSW	3.0 /SSW	88.6	11.3	.1	.0	25.1	20.8	40.1	13.9
11	**2009/10**	742(100%)	18.1	74.1 /WSW	9.9 /SSW	77.2	21.6	1.1	.0	13.1	24.1	53.4	9.3
12	**2009/11**	720(100%)	14.8	57.5 /W	4.0 /WSW	90.6	8.9	.4	.0	28.1	7.9	40.3	23.6
13	**2009**/冬	2138(99%)	15.9	68.4 /W	.9 /SSW	84.1	15.4	.3	.0	35.4	9.9	40.4	14.1
14	**2009**/春	2205(100%)	16.0	55.5 /WSW	2.0 /WNW	84.4	15.2	.1	.0	34.5	10.4	36.1	18.8
15	**2009**/夏	2194(99%)	15.0	78.0 /WSW	.4 / S	88.8	10.1	.9	.0	30.5	24.9	25.4	19.0
16	**2009**/秋	2182(100%)	15.9	74.1 /WSW	5.3 / SW	85.4	14.0	.5	.0	22.0	17.7	44.7	15.5
17	**2009**/年	8719(100%)	15.7	78.0 /WSW	1.9 / SW	85.7	13.7	.5	.0	30.6	15.8	36.6	16.9

表5.6.1b　歷年花蓮港測站 X 觀測流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	6272(94%)	21.8	107.9 /ENE	3.4 /SSE	64.4	30.9	4.5	.0	28.2	22.2	35.7	13.7
2	歷年/02	5801(95%)	23.0	109.9 /SW	2.9 /SSE	64.5	27.9	7.4	.2	29.9	23.0	33.4	13.6
3	歷年/03	5708(85%)	20.8	102.3 /WSW	3.1 / SE	68.3	27.7	3.9	.0	29.4	25.1	33.2	12.2
4	歷年/04	5535(96%)	23.1	112.4 /SW	2.5 /SSE	67.3	23.4	9.1	.1	31.5	23.7	31.1	13.6
5	歷年/05	5101(86%)	18.0	91.3 /NNW	3.6 /SSW	78.4	18.8	2.7	.0	24.2	27.2	34.0	14.5
6	歷年/06	5689(88%)	17.4	78.4 /WSW	2.8 / S	80.5	17.7	1.7	.0	27.6	28.8	31.4	12.1
7	歷年/07	3588(80%)	20.4	92.2 /WNW	2.6 / W	73.7	20.5	5.5	.0	25.5	27.6	27.2	19.5
8	歷年/08	6362(95%)	19.2	95.9 /NW	1.0 / SW	75.0	21.4	3.5	.0	28.7	26.1	29.2	15.9
9	歷年/09	6494(90%)	18.3	156.0 /ENE	4.0 /SSW	78.1	19.6	2.2	.0	22.9	30.0	34.7	12.3
10	歷年/10	7206(97%)	17.8	111.6 /NE	5.0 /SSW	78.5	18.8	2.6	.0	21.4	26.7	41.4	10.5
11	歷年/11	7041(98%)	20.5	195.4 /E	4.3 / S	71.6	23.8	4.1	.4	25.3	22.0	42.9	9.7
12	歷年/12	6034(90%)	19.6	117.2 /SW	5.4 / S	73.0	22.9	3.9	.1	22.4	27.2	39.5	10.8
13	歷年/冬	18107(93%)	21.4	117.2 /SW	3.8 / S	67.3	27.3	5.2	.1	26.8	24.1	36.2	12.7
14	歷年/春	16344(89%)	20.7	112.4 /SW	2.8 /SSE	71.1	23.5	5.3	.1	28.5	25.3	32.7	13.4
15	歷年/夏	15639(89%)	18.8	95.9 /NW	1.5 / SW	76.7	19.9	3.3	.0	27.6	27.4	29.5	15.4
16	歷年/秋	20741(95%)	18.9	195.4 /E	4.4 /SSW	76.0	20.7	3.0	.2	23.2	26.2	39.8	10.8
17	歷年/年	70831(92%)	19.9	195.4 /E	3.1 / S	72.8	22.8	4.2	.1	26.3	25.7	35.0	12.9

表5.6.1c 2009年花蓮港測站 X 潮流流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	744(100%)	7.5	21.4 /E	.0 / E	100.0	.0	.0	.0	24.9	16.3	38.8	20.0
2	**2009/01**	744(100%)	8.4	20.7 /ENE	.0 / S	100.0	.0	.0	.0	31.7	11.6	36.0	20.7
3	**2009/02**	672(100%)	6.1	20.4 /ENE	.0 /ENE	100.0	.0	.0	.0	27.1	21.7	33.2	18.0
4	**2009/03**	744(100%)	6.1	17.2 /E	.0 / SW	100.0	.0	.0	.0	26.2	16.4	31.2	26.2
5	**2009/04**	720(100%)	8.0	18.2 /ENE	.0 /ESE	100.0	.0	.0	.0	44.0	3.6	41.8	10.6
6	**2009/05**	744(100%)	8.3	22.4 /W	.0 /ESE	100.0	.0	.0	.0	32.7	16.3	31.9	19.2
7	**2009/06**	720(100%)	5.7	15.6 /E	.0 / E	100.0	.0	.0	.0	27.9	18.8	29.0	24.3
8	**2009/07**	744(100%)	6.6	17.3 /E	.1 /ENE	99.9	.0	.0	.0	29.8	18.3	28.8	23.0
9	**2009/08**	744(100%)	6.1	17.2 /E	.0 /WNW	100.0	.0	.0	.0	23.7	20.4	32.7	23.3
10	**2009/09**	720(100%)	7.4	22.3 /ENE	.0 / NE	100.0	.0	.0	.0	30.0	12.4	40.4	17.2
11	**2009/10**	744(100%)	7.2	17.8 /E	.1 /WSW	100.0	.0	.0	.0	23.0	24.3	26.3	26.3
12	**2009/11**	720(100%)	6.9	20.6 /E	.0 /WSW	100.0	.0	.0	.0	20.7	21.4	29.6	28.3
13	**2009**/冬	2160(100%)	7.4	21.4 /E	.0 / SE	100.0	.0	.0	.0	27.9	16.3	36.1	19.6
14	**2009**/春	2208(100%)	7.5	22.4 /W	.0 /SSE	100.0	.0	.0	.0	34.2	12.2	34.9	18.8
15	**2009**/夏	2208(100%)	6.1	17.3 /E	.0 /ENE	100.0	.0	.0	.0	27.1	19.2	30.2	23.5
16	**2009**/秋	2184(100%)	7.2	22.3 /ENE	.0 /WNW	100.0	.0	.0	.0	24.5	19.4	32.1	24.0
17	**2009**/年	8760(100%)	7.0	22.4 /W	.0 /ESE	100.0	.0	.0	.0	28.5	16.8	33.3	21.5

表5.6.1d　歷年花蓮港測站 X 潮流流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	6555(98%)	7.9	29.2 /ENE	.0 /ENE	99.3	.7	.0	.0	33.2	16.2	32.6	18.0
2	歷年/02	6096(100%)	8.9	51.2 /W	.0 /NNW	96.1	3.8	.1	.0	33.6	16.3	32.0	18.1
3	歷年/03	6168(92%)	6.9	58.9 /NNW	.0 /ENE	98.7	1.2	.1	.0	34.8	15.9	31.7	17.6
4	歷年/04	5758(100%)	10.2	40.9 /WSW	.0 / NW	95.5	4.5	.0	.0	37.7	11.9	37.3	13.0
5	歷年/05	5951(100%)	7.2	34.5 /ENE	.0 /NNW	99.6	.4	.0	.0	32.1	16.1	34.8	17.0
6	歷年/06	6255(97%)	7.6	30.0 /WSW	.0 / NE	99.6	.4	.0	.0	32.7	15.1	36.2	16.0
7	歷年/07	3650(82%)	7.4	22.9 /WSW	.0 / E	100.0	.0	.0	.0	35.9	14.5	35.0	14.6
8	歷年/08	6486(97%)	8.5	29.9 /ENE	.0 /WNW	99.5	.5	.0	.0	31.3	16.7	34.7	17.3
9	歷年/09	7021(98%)	8.6	28.5 /ENE	.0 / NE	99.5	.5	.0	.0	34.5	14.2	37.1	14.2
10	歷年/10	7440(100%)	8.4	56.1 /ENE	.0 / SW	97.5	2.3	.1	.0	34.6	13.5	36.7	15.2
11	歷年/11	7145(99%)	8.5	35.8 /ENE	.0 /ESE	97.9	2.1	.0	.0	34.9	14.0	36.4	14.7
12	歷年/12	6133(92%)	8.3	35.4 /WSW	.0 /WSW	97.7	2.3	.0	.0	34.9	14.4	34.7	16.0
13	歷年/冬	18784(96%)	8.4	51.2 /W	.0 /NNW	97.8	2.2	.0	.0	33.9	15.6	33.1	17.4
14	歷年/春	17877(97%)	8.1	58.9 /NNW	.0 / NE	98.0	2.0	.0	.0	34.8	14.7	34.6	15.9
15	歷年/夏	16391(93%)	7.9	30.0 /WSW	.0 /ENE	99.6	.4	.0	.0	32.9	15.6	35.3	16.2
16	歷年/秋	21606(99%)	8.5	56.1 /ENE	.0 /SSW	98.3	1.7	.0	.0	34.7	13.9	36.7	14.7
17	歷年/年	74658(97%)	8.2	58.9 /NNW	.0 / NE	98.4	1.6	.0	.0	34.1	14.9	35.0	16.0

表5.6.1e 2009年花蓮港測站 X 非潮流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	744(100%)	12.8	57.0 /WSW	1.0 / SE	94.0	5.9	.1	.0	41.8	14.5	33.7	9.9
2	**2009/01**	744(100%)	13.1	59.5 /W	2.3 / SW	91.1	8.7	.1	.0	31.6	13.0	44.8	10.6
3	**2009/02**	650(97%)	15.6	50.4 /W	.8 /WNW	85.4	14.5	.2	.0	40.2	10.3	37.8	11.7
4	**2009/03**	743(100%)	15.2	54.5 /SW	3.4 /WSW	84.4	15.3	.3	.0	30.7	14.0	44.1	11.2
5	**2009/04**	718(100%)	12.8	42.6 /W	2.9 / NW	92.3	7.7	.0	.0	36.4	9.5	29.8	24.4
6	**2009/05**	744(100%)	13.0	52.7 /WSW	1.4 / NW	93.7	6.2	.1	.0	37.5	14.0	29.8	18.7
7	**2009/06**	716(99%)	13.0	72.5 /WSW	1.4 / N	92.6	7.0	.4	.0	38.4	18.7	22.6	20.3
8	**2009/07**	736(99%)	13.2	65.1 /ESE	.7 /NNE	92.1	7.3	.5	.0	33.4	23.1	21.3	22.1
9	**2009/08**	742(100%)	14.3	67.1 /S	3.1 / S	88.5	10.4	1.1	.0	22.0	30.9	30.6	16.6
10	**2009/09**	720(100%)	12.6	44.5 /WSW	3.0 /SSW	93.5	6.5	.0	.0	23.3	24.6	39.2	12.9
11	**2009/10**	742(100%)	16.8	68.9 /WSW	9.9 /SSW	82.6	16.6	.8	.0	10.6	25.1	55.1	9.2
12	**2009/11**	720(100%)	12.8	47.9 /WSW	4.0 /WSW	93.8	6.3	.0	.0	28.8	10.1	41.0	20.1
13	**2009**/冬	2138(99%)	13.7	59.5 /W	.9 /SSW	90.4	9.5	.1	.0	37.7	12.7	38.8	10.7
14	**2009**/春	2205(100%)	13.7	54.5 /SW	2.1 /WNW	90.1	9.8	.1	.0	34.8	12.5	34.6	18.0
15	**2009**/夏	2194(99%)	13.5	72.5 /WSW	.4 /SSW	91.1	8.2	.7	.0	31.2	24.3	24.9	19.6
16	**2009**/秋	2182(100%)	14.1	68.9 /WSW	5.3 / SW	89.9	9.9	.3	.0	20.8	20.0	45.2	14.0
17	**2009**/年	8719(100%)	13.8	72.5 /WSW	1.9 / SW	90.4	9.3	.3	.0	31.1	17.4	35.9	15.6

表5.6.1f 歷年花蓮港測站 X 非潮流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25~50 (%)	流速 50~100 (%)	流速 >100 (%)	流向 N ~E (%)	流向 E ~S (%)	流向 S ~W (%)	流向 W ~N (%)
1	歷年/01	6272(94%)	19.9	92.3 /ENE	3.4 /SSE	69.5	27.2	3.3	.0	26.1	24.3	35.8	13.8
2	歷年/02	5801(95%)	20.8	121.3 /SW	2.9 /SSE	70.2	24.0	5.6	.2	29.4	23.2	34.1	13.3
3	歷年/03	5708(85%)	19.2	93.5 /SW	3.1 / SE	72.0	25.1	2.9	.0	28.2	25.9	33.5	12.4
4	歷年/04	5535(96%)	20.5	120.6 /SW	2.5 /SSE	73.9	19.2	6.8	.1	30.8	23.8	32.2	13.2
5	歷年/05	5101(86%)	16.1	89.7 /N	3.6 /SSW	83.4	15.1	1.5	.0	23.8	26.4	35.3	14.5
6	歷年/06	5689(88%)	15.3	72.5 /WSW	2.8 / S	85.6	13.7	.7	.0	25.4	29.5	31.9	13.2
7	歷年/07	3588(80%)	18.6	92.0 /W	2.6 / W	77.9	17.2	5.0	.0	24.0	27.7	27.9	20.5
8	歷年/08	6362(95%)	17.1	93.8 /NW	1.0 / SW	80.8	16.9	2.3	.0	26.2	25.3	31.6	17.0
9	歷年/09	6494(90%)	15.8	148.8 /ENE	4.0 /SSW	84.8	13.9	1.2	.0	20.7	29.8	36.5	13.0
10	歷年/10	7206(97%)	15.6	110.9 /NE	5.0 /SSW	84.8	14.1	1.1	.0	19.7	26.9	42.6	10.9
11	歷年/11	7041(98%)	18.7	187.6 /E	4.3 / S	77.0	19.9	2.7	.4	26.2	23.4	41.7	8.7
12	歷年/12	6034(90%)	17.7	97.9 /SW	5.3 / S	79.1	18.3	2.6	.0	22.6	28.3	39.8	9.4
13	歷年/冬	18107(93%)	19.4	121.3 /SW	3.8 / S	72.9	23.2	3.8	.1	26.0	25.3	36.6	12.2
14	歷年/春	16344(89%)	18.7	120.6 /SW	2.8 /SSE	76.2	20.0	3.8	.0	27.7	25.3	33.6	13.3
15	歷年/夏	15639(89%)	16.8	93.8 /NW	1.5 / SW	81.9	15.8	2.4	.0	25.4	27.4	30.8	16.4
16	歷年/秋	20741(95%)	16.7	187.6 /E	4.4 /SSW	82.2	16.0	1.7	.2	22.2	26.6	40.4	10.8
17	歷年/年	70831(92%)	17.9	187.6 /E	3.1 / S	78.4	18.7	2.9	.1	25.1	26.1	35.7	13.0

表5.6.1g 2009年花蓮港測站 X48時平均流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	697(94%)	5.5	14.2 /ENE	1.0 /ESE	100.0	.0	.0	.0	45.8	11.3	36.9	6.0
2	**2009/01**	697(94%)	6.4	15.3 /SW	1.6 / SW	100.0	.0	.0	.0	37.2	7.2	51.2	4.4
3	**2009/02**	625(93%)	8.9	19.0 /SW	.8 /WNW	100.0	.0	.0	.0	42.2	7.2	41.0	9.6
4	**2009/03**	697(94%)	8.5	20.8 /WSW	2.8 /WSW	100.0	.0	.0	.0	29.6	3.0	55.5	11.9
5	**2009/04**	673(94%)	6.1	15.8 /WSW	3.0 / NW	100.0	.0	.0	.0	25.6	6.1	26.6	41.8
6	**2009/05**	697(94%)	7.5	17.3 /NE	1.4 / NW	100.0	.0	.0	.0	32.0	5.9	44.8	17.4
7	**2009/06**	673(94%)	6.1	13.9 /WSW	1.3 / N	100.0	.0	.0	.0	43.1	14.0	27.2	15.8
8	**2009/07**	697(94%)	6.0	16.9 /SSE	.8 /NNE	100.0	.0	.0	.0	37.6	21.8	16.6	24.0
9	**2009/08**	697(94%)	5.9	30.3 /S	3.3 /SSW	95.4	4.6	.0	.0	13.8	24.5	45.5	16.2
10	**2009/09**	673(94%)	6.0	12.9 /SW	2.9 /SSW	100.0	.0	.0	.0	25.1	19.3	52.5	3.1
11	**2009/10**	697(94%)	11.9	19.2 /SW	10.6 /SSW	100.0	.0	.0	.0	1.3	15.6	78.0	5.0
12	**2009/11**	673(94%)	7.3	17.2 /WSW	3.6 / W	100.0	.0	.0	.0	26.4	8.3	48.9	16.3
13	**2009**/冬	2019(94%)	6.9	19.0 /SW	.5 /SSW	100.0	.0	.0	.0	41.7	8.6	43.1	6.6
14	**2009**/春	2067(94%)	7.4	20.8 /WSW	2.1 /WNW	100.0	.0	.0	.0	29.1	5.0	42.5	23.5
15	**2009**/夏	2067(94%)	6.0	30.3 /S	.4 /SSW	98.5	1.5	.0	.0	31.3	20.2	29.8	18.7
16	**2009**/秋	2043(94%)	8.4	19.2 /SW	5.3 / SW	100.0	.0	.0	.0	17.4	14.4	60.0	8.1
17	**2009**/年	8196(94%)	7.2	30.3 /S	1.8 / SW	99.6	.4	.0	.0	29.9	12.1	43.8	14.3

表5.6.2 2009年及歷年花蓮港測站 X 觀測流速分佈百分比 (%) 統計表

流速 (cm/s) 年、月	0 ～ 5	5 ～ 10	10 ～ 15	15 ～ 20	20 ～ 25	25 ～ 30	30 ～ 35	35 ～ 40	40 ～ 45	45 ～ 50	50 ～ 60	60 ～ 80	80 ～ 100	100～ 120	120～ 150	150 <	合計 (%)
2008/12	7.5	23.7	25.5	18.4	12.1	7.1	2.6	2.2	.7	.0	.1	.0	.0	.0	.0	.0	100.
2009/01	7.0	19.1	25.7	19.1	13.6	9.8	3.5	.5	1.1	.3	.1	.1	.0	.0	.0	.0	100.
2009/02	9.1	18.8	21.1	18.3	13.1	8.3	5.7	3.1	1.2	.8	.5	.0	.0	.0	.0	.0	100.
2009/03	7.9	19.1	23.0	17.1	14.4	8.5	5.2	3.0	.9	.5	.3	.0	.0	.0	.0	.0	100.
2009/04	6.0	21.6	24.7	20.9	13.1	8.6	3.9	.7	.1	.1	.0	.0	.0	.0	.0	.0	100.
2009/05	7.5	20.0	25.9	19.5	12.6	6.6	4.7	1.5	.4	.7	.1	.0	.0	.0	.0	.0	100.
2009/06	10.9	22.1	26.8	19.7	11.0	5.2	2.1	1.0	.4	.1	.6	.1	.0	.0	.0	.0	100.
2009/07	7.5	22.8	27.9	18.9	13.0	4.5	2.3	1.1	.4	.5	.4	.3	.0	.0	.0	.0	100.
2009/08	7.7	23.7	24.7	19.7	10.2	5.3	2.7	2.2	1.9	.7	.4	.8	.0	.0	.0	.0	100.
2009/09	9.9	21.7	26.4	18.6	12.1	5.6	3.2	2.1	.4	.0	.1	.0	.0	.0	.0	.0	100.
2009/10	5.8	17.7	20.5	19.4	13.9	9.3	6.7	3.0	1.6	.9	.8	.3	.0	.0	.0	.0	100.
2009/11	8.5	21.9	25.8	20.8	13.5	5.3	1.7	1.0	.7	.3	.4	.0	.0	.0	.0	.0	100.
2009/冬	7.8	20.6	24.2	18.6	12.9	8.4	3.8	1.9	1.0	.3	.2	.0	.0	.0	.0	.0	100.
2009/春	7.2	20.2	24.5	19.1	13.4	7.9	4.6	1.7	.5	.5	.1	.0	.0	.0	.0	.0	100.
2009/夏	8.7	22.9	26.4	19.4	11.4	5.0	2.4	1.4	.9	.5	.5	.4	.0	.0	.0	.0	100.
2009/秋	8.0	20.4	24.2	19.6	13.2	6.7	3.9	2.0	.9	.4	.5	.1	.0	.0	.0	.0	100.
2009/年	7.9	21.0	24.9	19.2	12.7	7.0	3.7	1.8	.8	.4	.3	.1	.0	.0	.0	.0	100.
歷年/**01**	5.0	16.9	17.4	13.5	11.6	11.8	8.6	4.8	3.3	2.3	2.3	1.7	.5	.0	.0	.0	100.
歷年/**02**	5.7	16.0	17.5	13.4	11.8	10.8	7.3	4.6	3.0	2.2	2.6	3.7	1.1	.2	.0	.0	100.
歷年/**03**	6.3	17.4	17.3	14.7	12.5	10.1	8.3	4.8	2.8	1.9	1.8	1.7	.4	.0	.0	.0	100.
歷年/**04**	6.1	17.2	18.1	15.1	10.9	7.8	6.0	3.9	3.1	2.5	3.4	4.1	1.5	.1	.0	.0	100.
歷年/**05**	7.3	19.6	22.5	17.3	11.6	7.5	4.7	3.2	1.9	1.4	1.6	1.0	.1	.0	.0	.0	100.
歷年/**06**	7.7	18.7	22.5	19.2	12.4	7.7	4.2	2.9	1.7	1.2	1.1	.6	.0	.0	.0	.0	100.
歷年/**07**	6.4	17.2	21.3	16.4	12.4	6.7	5.5	3.8	2.6	1.9	2.5	2.5	.5	.0	.0	.0	100.
歷年/**08**	6.7	18.8	20.2	17.1	12.2	8.5	5.0	3.8	2.5	1.7	2.0	1.3	.2	.0	.0	.0	100.
歷年/**09**	6.8	17.9	21.6	19.0	12.8	8.4	4.8	3.4	1.9	1.0	1.3	.8	.2	.0	.0	.0	100.
歷年/**10**	8.3	20.8	21.6	16.6	11.3	7.2	5.0	3.0	2.0	1.5	1.7	.9	.1	.0	.0	.0	100.
歷年/**11**	6.4	18.8	19.1	16.6	10.7	8.5	5.6	4.0	3.3	2.4	2.6	1.3	.3	.1	.1	.1	100.
歷年/**12**	6.6	19.7	20.8	15.5	10.4	8.3	6.1	3.9	2.8	1.8	2.1	1.6	.3	.1	.0	.0	100.
歷年/冬	5.8	17.5	18.6	14.2	11.3	10.3	7.3	4.5	3.1	2.1	2.3	2.3	.6	.1	.0	.0	100.
歷年/春	6.6	18.0	19.2	15.6	11.7	8.5	6.4	4.0	2.6	1.9	2.3	2.3	.7	.1	.0	.0	100.
歷年/夏	7.0	18.4	21.3	17.7	12.3	7.8	4.8	3.5	2.2	1.6	1.8	1.3	.2	.0	.0	.0	100.
歷年/秋	7.2	19.2	20.7	17.4	11.6	8.0	5.1	3.5	2.4	1.6	1.8	1.0	.2	.1	.1	.0	100.
歷年/年	6.6	18.3	20.0	16.2	11.7	8.7	5.9	3.8	2.6	1.8	2.1	1.7	.4	.1	.0	.0	100.

表5.6.3 2009年及歷年花蓮港測站 X 觀測流向分佈百分比 (%) 統計表

流向 年、月	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	合計 (%)
2008/12	3.9	4.4	6.9	15.9	10.9	2.6	1.6	1.9	3.0	8.1	10.5	12.6	7.4	3.2	3.6	3.6	100.
2009/01	2.6	3.2	6.0	17.1	6.0	2.7	2.0	2.3	3.9	6.6	15.3	15.1	10.2	3.9	1.6	1.5	100.
2009/02	4.8	6.9	9.2	15.7	7.4	2.0	2.2	1.1	2.2	6.2	12.5	13.4	8.0	3.2	2.5	2.9	100.
2009/03	3.2	6.1	6.1	11.8	6.5	2.7	2.2	1.9	3.4	7.9	13.6	15.9	7.7	4.2	3.5	3.5	100.
2009/04	6.3	6.4	8.5	16.9	5.4	1.5	1.1	1.5	1.1	2.9	8.9	14.1	9.2	4.7	5.2	6.3	100.
2009/05	5.0	7.5	7.1	14.5	9.3	4.4	1.7	1.5	1.6	4.0	8.2	13.0	8.1	5.9	3.9	4.2	100.
2009/06	4.6	6.4	10.6	9.9	12.3	6.0	4.9	2.1	2.4	2.8	3.4	10.6	8.4	6.6	3.5	5.6	100.
2009/07	6.4	6.2	7.3	7.9	11.8	7.1	4.6	5.7	2.7	3.1	4.3	8.2	8.0	6.8	4.1	5.7	100.
2009/08	3.1	4.6	5.4	7.5	9.2	10.9	5.9	5.3	8.1	4.6	3.4	12.7	10.0	5.5	1.9	2.0	100.
2009/09	2.6	1.7	5.6	11.7	9.9	6.1	4.3	4.3	4.4	7.4	10.3	14.9	7.6	4.0	2.8	2.5	100.
2009/10	1.2	2.0	3.1	4.6	5.0	5.8	5.3	6.1	11.9	13.2	13.6	14.6	8.2	2.8	1.5	1.2	100.
2009/11	4.2	6.1	6.4	9.4	5.0	2.2	1.1	1.7	3.7	6.0	13.3	13.7	11.3	6.8	4.7	4.3	100.
2009/冬	3.7	4.8	7.3	16.2	8.1	2.4	1.9	1.8	3.0	7.0	12.8	13.7	8.6	3.5	2.6	2.7	100.
2009/春	4.8	6.7	7.2	14.4	7.1	2.9	1.7	1.6	2.0	5.0	10.2	14.3	8.3	4.9	4.2	4.6	100.
2009/夏	4.7	5.7	7.7	8.4	11.1	8.0	5.2	4.4	4.4	3.5	3.7	10.5	8.8	6.3	3.1	4.4	100.
2009/秋	2.7	3.3	5.0	8.5	6.6	4.7	3.6	4.0	6.7	8.9	12.4	14.4	9.0	4.5	3.0	2.7	100.
2009/年	4.0	5.1	6.8	11.9	8.2	4.5	3.1	3.0	4.1	6.1	9.8	13.2	8.7	4.8	3.2	3.6	100.
歷年/**01**	3.3	3.9	6.5	11.1	8.8	6.0	4.9	4.7	5.8	8.6	10.3	9.9	7.3	3.7	2.5	2.7	100.
歷年/**02**	4.0	4.7	7.1	11.1	10.4	6.6	5.1	4.1	4.9	8.2	9.8	9.1	5.7	3.6	2.8	3.0	100.
歷年/**03**	3.5	4.4	7.0	11.4	10.1	8.0	5.1	4.4	5.7	7.9	9.1	9.6	5.3	2.9	2.5	3.0	100.
歷年/**04**	4.4	4.9	7.6	11.6	9.7	7.1	5.4	4.4	4.6	6.8	9.6	9.5	4.9	3.1	3.1	3.4	100.
歷年/**05**	4.0	4.3	4.9	8.3	9.9	8.0	6.3	5.1	5.3	6.4	10.0	11.2	6.3	4.1	2.7	3.2	100.
歷年/**06**	3.9	4.4	6.1	9.0	12.1	9.1	6.1	5.2	4.7	5.6	8.7	11.5	5.1	3.0	2.2	3.4	100.
歷年/**07**	4.1	5.3	5.6	7.6	10.9	8.2	6.2	5.2	3.6	3.7	7.6	11.0	6.5	6.5	4.3	3.7	100.
歷年/**08**	6.0	5.7	7.2	8.2	9.0	7.9	5.9	5.2	4.8	4.9	6.5	11.8	6.5	3.2	2.8	4.6	100.
歷年/**09**	2.4	2.7	5.4	8.7	10.5	9.2	6.7	6.1	5.2	5.9	8.7	12.6	7.7	3.2	2.2	2.7	100.
歷年/**10**	2.0	2.7	5.2	8.2	8.6	7.0	5.9	5.6	7.8	8.2	11.5	12.9	7.9	2.8	1.8	1.7	100.
歷年/**11**	2.2	3.3	6.3	10.2	8.3	6.4	4.3	4.7	6.8	11.2	13.1	11.2	5.7	2.5	1.9	1.9	100.
歷年/**12**	2.3	2.5	4.8	9.3	9.2	6.8	5.9	6.7	7.3	10.6	11.7	9.9	5.9	2.9	2.0	2.0	100.
歷年/冬	3.2	3.7	6.1	10.5	9.4	6.5	5.3	5.2	6.0	9.1	10.6	9.6	6.3	3.4	2.4	2.6	100.
歷年/春	4.0	4.5	6.6	10.5	9.9	7.7	5.6	4.6	5.2	7.0	9.6	10.1	5.5	3.4	2.7	3.2	100.
歷年/夏	4.8	5.1	6.4	8.3	10.6	8.4	6.0	5.2	4.5	4.9	7.5	11.5	6.0	3.9	2.9	3.9	100.
歷年/秋	2.2	2.9	5.7	9.0	9.1	7.5	5.6	5.5	6.7	8.5	11.2	12.2	7.1	2.8	2.0	2.1	100.
歷年/年	3.4	4.0	6.2	9.6	9.7	7.5	5.6	5.1	5.7	7.5	9.9	10.9	6.3	3.3	2.5	2.9	100.

表5.6.4a 花蓮港2009年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12	17.4	18.2	18.6	19.2	19.4	19.5	17.7	15.2	15.9	13.6	12.9	12.3	12.1	12.1	12.4	12.1	11.3	11.3	11.9	12.1	15.7	16.1	15.6	18.0
2009/01	16.4	16.9	18.0	18.4	17.2	18.2	17.1	15.3	14.0	12.6	12.1	11.4	14.0	14.7	15.9	15.8	15.8	14.1	15.3	17.1	19.4	18.7	17.3	17.4
2009/02	19.6	22.0	18.9	17.6	18.1	16.6	16.1	13.3	14.9	15.0	15.8	15.6	16.4	18.3	18.5	16.4	13.9	13.4	14.6	15.1	16.3	17.2	18.9	22.5
2009/03	18.3	21.4	20.8	16.8	15.0	13.8	14.5	17.0	16.6	15.0	15.4	15.9	18.7	17.1	17.7	18.3	16.9	15.1	15.0	17.5	16.0	13.9	16.9	16.0
2009/04	16.7	15.8	16.0	15.7	14.6	14.4	13.9	13.1	13.7	13.7	15.6	15.9	17.8	18.2	18.6	17.6	15.0	14.4	17.4	15.8	15.6	14.0	14.9	14.9
2009/05	14.6	16.9	15.2	14.9	15.1	14.7	14.2	12.7	13.3	12.9	14.5	17.4	18.2	19.3	18.3	20.0	17.2	16.3	14.6	15.4	17.5	13.9	14.3	15.2
2009/06	14.9	15.1	14.1	14.4	16.2	15.4	13.8	12.1	12.7	13.0	13.7	15.2	15.4	16.6	15.9	16.1	13.8	12.4	13.6	13.8	13.0	13.9	14.4	14.0
2009/07	14.6	15.4	17.5	14.9	17.9	15.7	16.0	16.8	14.5	12.5	11.9	15.1	14.6	15.1	15.5	15.3	14.6	15.0	13.5	13.8	14.5	12.7	14.6	14.8
2009/08	16.4	15.5	15.3	15.3	16.3	18.5	20.5	15.4	16.2	13.7	17.5	17.2	16.4	17.0	16.1	17.0	15.3	14.7	12.1	14.5	14.3	15.3	13.6	15.3
2009/09	17.4	17.2	15.3	16.2	15.0	13.1	14.3	13.2	11.2	12.3	15.4	16.2	16.9	16.8	15.8	12.9	13.1	13.7	14.0	15.0	15.0	13.1	14.1	15.5
2009/10	23.9	21.0	19.9	16.1	14.6	13.5	14.9	15.3	14.3	14.8	17.4	19.4	20.7	20.4	19.0	18.1	16.6	20.3	20.5	17.4	17.2	17.5	20.6	21.5
2009/11	15.7	16.6	16.2	16.1	15.8	14.8	14.7	13.7	12.6	13.4	14.3	12.6	12.1	13.1	13.3	13.4	13.8	15.3	16.0	15.9	17.9	16.2	16.2	15.1
2009/冬	17.7	18.9	18.5	18.5	18.3	18.2	17.0	14.7	14.9	13.7	13.5	13.0	14.1	14.9	15.5	14.7	13.7	12.9	13.9	14.7	17.1	17.4	17.2	19.2
2009/春	16.5	18.0	17.3	15.8	14.9	14.3	14.2	14.3	14.5	13.9	15.1	16.4	18.2	18.2	18.2	18.6	16.4	15.3	15.7	16.2	16.4	13.9	15.4	15.4
2009/夏	15.3	15.3	15.6	14.9	16.8	16.6	16.8	14.8	14.5	13.1	14.4	15.8	15.5	16.3	15.8	16.1	14.6	14.0	13.1	14.0	14.0	14.0	14.2	14.7
2009/秋	19.0	18.3	17.2	16.1	15.1	13.8	14.6	14.1	12.7	13.5	15.7	16.1	16.6	16.8	16.0	14.8	14.5	16.5	16.9	16.1	16.7	15.6	17.0	17.4
2009/年	17.1	17.6	17.1	16.3	16.3	15.7	15.7	14.5	14.2	13.6	14.7	15.3	16.1	16.6	16.4	16.1	14.8	14.7	14.9	15.3	16.0	15.2	15.9	16.6

單位: cm/s

表5.6.4b 花蓮港 歷年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/**12**	19.5	19.6	20.3	20.1	19.9	20.4	20.4	22.0	19.7	19.6	18.6	17.0	17.3	18.0	17.3	17.3	19.3	19.0	19.8	20.7	20.8	21.0	20.7	20.7
歷年/**01**	22.5	22.1	22.2	22.4	21.9	21.7	21.5	22.4	22.9	20.9	19.7	19.7	20.3	20.3	20.1	20.5	21.7	21.9	22.5	22.1	23.8	24.5	22.8	22.4
歷年/**02**	23.0	22.4	22.0	22.1	22.2	23.0	24.1	25.5	23.0	22.2	22.7	23.2	23.4	23.3	22.9	23.7	21.8	21.0	22.4	23.2	24.9	25.0	23.4	23.1
歷年/**03**	22.3	22.5	20.3	20.0	20.0	19.2	18.8	19.0	20.3	19.5	19.6	21.0	21.2	21.4	20.9	20.2	20.3	20.7	19.9	21.6	21.8	22.8	23.4	22.1
歷年/**04**	21.0	21.1	22.3	21.9	22.2	23.9	23.3	24.6	23.9	21.0	23.1	24.7	24.8	26.0	24.2	24.0	23.3	24.3	23.5	23.7	22.6	21.8	21.6	20.8
歷年/**05**	16.5	16.5	16.0	16.0	16.6	17.1	16.6	16.2	16.0	18.1	16.9	17.9	19.5	20.2	19.1	20.6	18.6	21.5	20.4	20.1	18.9	18.0	17.8	17.3
歷年/**06**	16.3	16.0	15.2	15.6	16.0	16.8	16.8	17.4	16.5	17.0	16.9	19.1	17.4	18.5	18.7	19.3	18.0	19.4	19.1	18.6	17.9	17.0	17.1	16.9
歷年/**07**	19.0	18.2	19.0	18.7	19.6	17.6	21.5	20.3	19.8	20.5	20.7	21.7	22.2	22.0	21.4	21.3	19.8	21.6	20.5	20.8	22.1	21.0	19.7	20.6
歷年/**08**	17.8	17.5	18.3	18.1	19.0	18.8	19.7	21.1	20.1	18.6	19.3	20.9	20.8	21.1	21.4	20.6	20.2	19.2	18.7	18.7	18.2	17.2	18.1	18.1
歷年/**09**	16.6	17.0	17.6	16.9	17.4	18.6	18.6	18.1	18.1	18.3	18.0	19.6	20.6	21.1	20.1	18.2	17.3	17.6	19.5	19.4	18.9	17.9	16.7	17.4
歷年/**10**	17.5	17.1	16.8	17.3	18.0	18.0	18.7	17.7	19.0	17.7	17.8	18.0	18.3	17.1	16.8	17.1	17.9	18.1	17.6	18.1	17.7	17.7	19.1	18.2
歷年/**11**	22.0	22.4	22.0	21.6	21.3	21.8	22.5	22.2	21.3	21.4	19.5	18.9	18.5	19.8	19.5	18.4	18.3	18.6	20.4	20.9	20.5	20.4	20.5	20.2
歷年/冬	21.7	21.4	21.5	21.5	21.3	21.7	22.0	23.3	21.8	20.9	20.3	19.9	20.3	20.5	20.0	20.5	20.9	20.6	21.6	22.0	23.2	23.5	22.3	22.1
歷年/春	20.0	20.2	19.6	19.4	19.7	20.1	19.6	20.0	20.2	19.6	20.0	21.3	21.9	22.6	21.5	21.6	20.8	22.2	21.3	21.9	21.2	21.0	21.0	20.2
歷年/夏	17.5	17.1	17.3	17.4	18.0	17.8	19.0	19.6	18.7	18.4	18.8	20.4	19.9	20.4	20.4	20.3	19.3	19.8	19.2	19.2	19.0	18.0	18.1	18.3
歷年/秋	18.8	18.9	18.8	18.6	19.0	19.5	20.0	19.4	19.5	19.1	18.4	18.8	19.1	19.3	18.7	17.9	17.8	18.1	19.1	19.5	19.0	18.7	18.8	18.6
歷年/年	19.5	19.4	19.4	19.3	19.5	19.8	20.2	20.6	20.1	19.5	19.3	20.0	20.2	20.6	20.1	19.9	19.6	20.1	20.3	20.6	20.6	20.3	20.0	19.8

單位: cm/s

表5.6.5a 花蓮港2009年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12	42.7	38.9	55.8	42.8	40.0	37.7	39.3	36.5	29.3	30.3	26.5	28.8	24.7	24.2	23.5	32.6	27.6	29.4	23.0	30.9	42.2	32.7	43.4	35.6
2009/01	46.5	52.1	48.7	42.2	34.6	33.5	34.4	29.7	29.1	29.2	32.3	28.3	30.4	44.5	36.5	30.8	32.3	28.5	41.4	42.7	68.4	43.2	31.8	37.8
2009/02	47.6	55.4	56.6	45.4	43.4	37.5	26.9	48.4	31.0	34.0	32.8	26.7	28.5	38.3	53.1	44.0	43.2	38.2	47.1	35.2	42.5	37.0	45.8	43.1
2009/03	41.8	47.6	48.7	36.5	35.9	30.0	30.9	47.0	49.7	39.4	31.3	34.4	39.8	40.3	38.4	38.8	42.2	38.0	37.2	34.5	55.1	27.6	51.8	41.4
2009/04	32.0	27.4	29.1	31.4	27.3	30.1	42.2	29.2	30.4	30.3	34.3	49.5	37.9	39.2	38.3	34.6	29.5	34.0	37.5	39.5	30.8	28.7	31.8	31.1
2009/05	36.2	42.0	39.7	31.2	49.0	49.0	48.3	35.3	35.7	32.7	36.3	55.5	42.4	35.4	38.5	49.7	48.7	32.8	34.0	32.2	32.0	34.2	30.7	36.0
2009/06	30.3	30.4	26.4	29.6	78.0	46.2	35.8	25.7	22.7	55.9	36.8	30.0	31.1	32.2	43.2	39.5	28.0	25.9	33.1	55.1	54.2	52.5	40.9	39.3
2009/07	47.7	40.2	37.6	40.5	52.8	46.7	51.6	61.3	72.7	26.6	31.1	34.6	56.6	31.3	33.6	31.3	30.4	31.9	37.8	30.1	49.2	39.5	42.0	34.7
2009/08	60.5	45.1	38.7	53.3	45.5	66.2	46.2	32.7	36.9	33.2	65.6	48.1	43.2	44.6	70.9	67.8	43.3	57.2	46.5	44.3	61.5	40.1	30.7	35.1
2009/09	37.7	35.9	41.1	30.7	30.0	27.3	37.5	32.0	28.6	31.3	39.5	39.2	34.4	29.3	26.7	32.8	42.9	56.3	37.5	40.5	36.0	31.2	39.7	38.3
2009/10	58.1	56.3	46.7	48.6	45.0	28.6	32.7	62.3	33.8	40.0	32.8	41.7	44.7	45.0	43.4	49.1	36.0	43.2	50.7	74.1	50.7	48.3	54.4	37.9
2009/11	44.4	46.9	52.0	50.6	35.4	24.0	36.6	37.9	28.4	32.9	38.0	27.2	23.9	24.5	30.6	24.1	28.9	57.5	43.5	31.9	42.0	32.3	31.8	35.0
2009/冬	47.6	55.4	56.6	45.4	43.4	37.7	39.3	48.4	31.0	34.0	32.8	28.8	30.4	44.5	53.1	44.0	43.2	38.2	47.1	42.7	68.4	43.2	45.8	43.1
2009/春	41.8	47.6	48.7	36.5	49.0	49.0	48.3	47.0	49.7	39.4	36.3	55.5	42.4	40.3	38.5	49.7	48.7	38.0	37.5	39.5	55.1	34.2	51.8	41.4
2009/夏	60.5	45.1	38.7	53.3	78.0	66.2	51.6	61.3	72.7	55.9	65.6	48.1	56.6	44.6	70.9	67.8	43.3	57.2	46.5	55.1	61.5	52.5	42.0	39.3
2009/秋	58.1	56.3	52.0	50.6	45.0	28.6	37.5	62.3	33.8	40.0	39.5	41.7	44.7	45.0	43.4	49.1	42.9	57.5	50.7	74.1	50.7	48.3	54.4	38.3
2009/年	60.5	56.3	56.6	53.3	78.0	66.2	51.6	62.3	72.7	55.9	65.6	55.5	56.6	45.0	70.9	67.8	48.7	57.5	50.7	74.1	68.4	52.5	54.4	43.1

單位: cm/s

表5.6.5b 花蓮港 歷年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/**12**	78.7	81.1	78.9	78.0	72.8	70.9	100.7	79.0	78.7	68.2	87.9	81.3	50.8	89.0	89.1	95.5	83.4	94.1	100.3	68.1	72.4	117.2	111.1	77.2
歷年/**01**	100.1	86.0	89.2	92.8	78.3	78.5	69.8	101.4	107.9	90.3	98.7	91.6	83.9	94.8	72.9	81.9	74.5	88.3	82.8	74.5	69.9	85.0	83.4	96.6
歷年/**02**	109.9	83.2	91.4	94.0	105.7	100.2	100.5	98.0	104.2	97.6	91.5	87.0	79.7	83.5	90.3	93.7	95.6	105.3	104.1	90.3	99.3	105.1	102.0	98.0
歷年/**03**	76.9	89.8	90.3	91.3	87.8	78.2	73.9	76.0	64.8	65.4	82.5	75.0	88.5	72.0	93.5	82.4	81.0	71.2	68.1	96.9	66.2	75.2	102.3	77.8
歷年/**04**	86.6	87.1	92.6	102.5	95.3	94.3	103.6	97.0	88.5	90.1	96.4	92.7	100.6	97.0	100.5	90.0	98.0	91.7	112.4	108.2	109.4	89.0	92.8	79.3
歷年/**05**	74.8	91.2	63.6	68.4	77.0	64.6	61.0	62.1	59.2	70.8	55.2	70.9	81.2	79.2	91.3	88.5	73.8	65.0	75.7	74.5	64.5	53.7	64.6	67.3
歷年/**06**	69.8	61.9	47.8	35.8	78.0	68.8	59.6	62.9	55.0	60.7	78.4	61.2	76.5	73.0	69.4	70.7	67.2	63.0	76.5	70.9	54.2	62.1	62.8	63.9
歷年/**07**	78.2	65.3	72.7	90.3	68.6	66.9	81.9	86.7	83.7	84.2	84.8	90.9	92.0	85.1	71.1	82.1	67.8	80.0	73.8	73.9	73.8	91.7	82.7	92.2
歷年/**08**	64.1	81.1	82.1	70.7	77.1	75.8	88.1	95.9	89.8	71.2	85.4	92.7	74.6	62.4	70.9	70.5	67.2	89.9	67.1	69.1	78.9	79.7	66.2	80.2
歷年/**09**	62.1	76.3	70.2	81.7	63.3	67.8	64.4	57.0	67.4	70.8	84.3	79.2	93.4	123.8	120.3	76.8	77.7	83.2	64.8	81.8	95.4	156.0	80.1	73.8
歷年/**10**	70.2	64.3	81.8	73.1	104.3	71.6	67.9	75.1	77.9	59.0	61.4	57.3	61.4	48.5	53.9	69.1	67.2	82.2	78.9	74.1	72.4	74.2	87.3	111.6
歷年/**11**	154.4	178.4	144.0	169.8	156.0	100.7	141.3	144.4	96.3	91.0	81.0	97.8	58.7	97.0	140.6	109.4	143.3	185.1	192.6	192.9	156.5	100.0	195.4	105.1
歷年/冬	109.9	86.0	91.4	94.0	105.7	100.2	100.7	101.4	107.9	97.6	98.7	91.6	83.9	94.8	90.3	95.5	95.6	105.3	104.1	90.3	99.3	117.2	111.1	98.0
歷年/春	86.6	91.2	92.6	102.5	95.3	94.3	103.6	97.0	88.5	90.1	96.4	92.7	100.6	97.0	100.5	90.0	98.0	91.7	112.4	108.2	109.4	89.0	102.3	79.3
歷年/夏	78.2	81.1	82.1	90.3	78.0	75.8	88.1	95.9	89.8	84.2	85.4	92.7	92.0	85.1	71.1	82.1	67.8	89.9	76.5	73.9	78.9	91.7	82.7	92.2
歷年/秋	154.4	178.4	144.0	169.8	156.0	100.7	141.3	144.4	96.3	91.0	84.3	97.8	93.4	123.8	140.6	109.4	143.3	185.1	192.6	192.9	156.5	156.0	195.4	111.6
歷年/年	154.4	178.4	144.0	169.8	156.0	100.7	141.3	144.4	107.9	97.6	98.7	97.8	100.6	123.8	140.6	109.4	143.3	185.1	192.6	192.9	156.5	156.0	195.4	111.6

單位: cm/s

表5.6.6a 2009年花蓮港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12	20.	14.	16.	17.	15.	11.	15.	12.	14.	12.	15.	12.	20.	15.	13.	13.	19.	15.	15.	18.	13.	19.	12.	14.	17.	16.	17.	15.	17.	11.	15.
2009/01	14.	15.	13.	18.	19.	13.	18.	13.	15.	12.	13.	21.	17.	17.	15.	15.	18.	16.	15.	13.	17.	15.	18.	14.	12.	25.	18.	13.	18.	20.	16.
2009/02	11.	17.	16.	16.	24.	17.	11.	18.	13.	18.	22.	22.	17.	12.	18.	14.	20.	13.	18.	27.	16.	20.	9.	12.	16.	15.	19.	22.			
2009/03	24.	10.	18.	12.	14.	24.	9.	9.	18.	17.	17.	24.	23.	17.	12.	21.	16.	15.	16.	17.	9.	13.	21.	21.	13.	19.	19.	19.	23.	15.	12.
2009/04	17.	12.	16.	14.	16.	13.	13.	17.	16.	15.	13.	16.	15.	15.	10.	14.	18.	12.	17.	17.	20.	13.	12.	12.	22.	20.	13.	19.	20.	19.	
2009/05	16.	19.	15.	19.	19.	20.	17.	16.	20.	22.	16.	18.	18.	15.	12.	14.	13.	17.	12.	11.	12.	12.	12.	22.	16.	13.	17.	12.	14.	14.	14.
2009/06	13.	13.	14.	19.	11.	10.	15.	16.	14.	10.	18.	15.	20.	22.	15.	14.	10.	12.	10.	13.	18.	16.	19.	16.	12.	17.	14.	12.	9.	13.	
2009/07	12.	12.	11.	12.	12.	13.	13.	13.	16.	14.	13.	14.	17.	17.	12.	14.	12.	30.	15.	17.	15.	14.	18.	20.	17.	16.	12.	14.	14.	16.	14.
2009/08	13.	12.	18.	16.	15.	17.	17.	33.	33.	18.	15.	11.	13.	8.	14.	14.	14.	13.	16.	16.	18.	18.	16.	15.	14.	14.	14.	17.	14.	13.	11.
2009/09	20.	18.	19.	17.	16.	13.	13.	15.	12.	13.	14.	13.	12.	13.	14.	11.	14.	16.	22.	16.	14.	14.	10.	15.	16.	16.	15.	14.	17.	11.	
2009/10	16.	19.	20.	13.	25.	27.	20.	15.	25.	18.	26.	19.	21.	17.	19.	13.	19.	16.	12.	25.	16.	16.	22.	21.	17.	19.	13.	13.	14.	16.	13.
2009/11	20.	12.	15.	19.	19.	15.	12.	14.	14.	13.	14.	8.	13.	15.	9.	15.	24.	13.	15.	20.	20.	15.	17.	12.	12.	13.	10.	17.	17.	12.	
2009/冬	15.	15.	15.	17.	19.	14.	15.	14.	14.	14.	17.	18.	18.	15.	14.	14.	19.	15.	16.	19.	15.	18.	13.	13.	15.	19.	18.	17.	18.	15.	16.
2009/春	19.	14.	16.	15.	16.	19.	13.	14.	18.	18.	15.	19.	19.	16.	11.	17.	16.	14.	15.	15.	14.	12.	15.	18.	17.	17.	17.	17.	19.	16.	13.
2009/夏	13.	12.	14.	15.	13.	13.	15.	21.	21.	14.	16.	13.	17.	16.	14.	14.	12.	18.	14.	15.	17.	16.	18.	17.	15.	16.	13.	14.	12.	14.	12.
2009/秋	18.	16.	18.	17.	20.	18.	15.	15.	17.	15.	18.	13.	15.	15.	14.	13.	19.	15.	16.	20.	17.	15.	16.	16.	15.	16.	13.	15.	16.	13.	13.
2009/年	16.	14.	16.	16.	17.	16.	15.	16.	17.	15.	16.	16.	17.	15.	13.	14.	16.	15.	15.	17.	16.	15.	16.	16.	16.	17.	15.	16.	16.	14.	13.

單位: cm/s

表5.6.6b　歷年花蓮港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/12	19.	21.	18.	19.	19.	21.	21.	16.	16.	16.	18.	20.	23.	19.	20.	19.	20.	20.	22.	19.	21.	21.	22.	22.	19.	19.	21.	19.	20.	17.	21.
歷年/01	20.	22.	24.	24.	23.	23.	21.	21.	21.	20.	21.	23.	23.	22.	22.	23.	22.	21.	22.	22.	21.	22.	23.	22.	25.	27.	21.	17.	19.	19.	18.
歷年/02	23.	21.	24.	22.	21.	23.	24.	25.	23.	24.	24.	24.	21.	22.	23.	22.	25.	22.	24.	24.	24.	24.	22.	23.	21.	27.	24.	22.	20.		
歷年/03	26.	20.	25.	21.	26.	26.	23.	22.	24.	18.	20.	20.	19.	18.	20.	20.	19.	22.	20.	19.	19.	19.	20.	16.	17.	20.	20.	19.	20.	20.	21.
歷年/04	25.	24.	22.	22.	24.	25.	25.	23.	22.	24.	22.	21.	22.	25.	24.	26.	27.	21.	20.	19.	23.	23.	24.	22.	23.	27.	22.	22.	22.	22.	
歷年/05	23.	20.	21.	20.	21.	17.	17.	17.	19.	19.	18.	16.	17.	18.	17.	17.	18.	17.	18.	15.	17.	16.	18.	17.	19.	19.	16.	19.	17.	19.	16.
歷年/06	15.	17.	16.	18.	16.	19.	18.	18.	15.	18.	22.	17.	18.	18.	18.	17.	17.	14.	17.	17.	16.	17.	17.	20.	17.	20.	18.	17.	19.	17.	
歷年/07	16.	17.	17.	16.	15.	16.	17.	17.	16.	20.	18.	21.	17.	17.	19.	20.	24.	27.	25.	27.	24.	21.	22.	26.	23.	25.	22.	31.	26.	24.	24.
歷年/08	22.	18.	22.	22.	21.	19.	20.	22.	23.	20.	19.	20.	21.	17.	17.	15.	20.	19.	18.	18.	16.	17.	18.	19.	20.	20.	19.	19.	18.	18.	19.
歷年/09	21.	19.	20.	18.	16.	16.	17.	17.	18.	17.	18.	18.	16.	18.	17.	17.	17.	19.	17.	19.	18.	17.	18.	17.	17.	19.	21.	27.	21.	19.	
歷年/10	16.	18.	16.	17.	18.	18.	16.	16.	18.	16.	18.	19.	17.	17.	18.	18.	18.	17.	17.	17.	17.	19.	19.	21.	19.	22.	18.	18.	20.	16.	19.
歷年/11	31.	19.	21.	22.	19.	26.	21.	19.	19.	21.	20.	20.	17.	20.	21.	21.	19.	19.	20.	22.	21.	19.	20.	18.	20.	22.	20.	20.	19.	18.	
歷年/冬	20.	21.	22.	22.	21.	22.	22.	21.	20.	20.	21.	22.	23.	21.	21.	21.	22.	21.	23.	22.	22.	22.	22.	22.	22.	24.	22.	20.	20.	18.	19.
歷年/春	25.	21.	22.	21.	24.	23.	22.	21.	22.	20.	20.	19.	19.	20.	21.	21.	21.	20.	19.	18.	20.	20.	21.	19.	20.	22.	19.	20.	20.	21.	18.
歷年/夏	17.	17.	18.	19.	17.	18.	19.	19.	18.	19.	20.	19.	19.	17.	18.	17.	20.	19.	19.	19.	18.	18.	19.	21.	20.	21.	19.	20.	20.	19.	21.
歷年/秋	23.	19.	19.	19.	18.	20.	18.	17.	18.	18.	19.	19.	17.	18.	19.	19.	18.	18.	18.	19.	19.	18.	19.	19.	19.	21.	20.	22.	20.	18.	19.
歷年/年	21.	20.	20.	20.	20.	21.	20.	19.	20.	19.	20.	20.	19.	19.	20.	20.	20.	20.	20.	20.	20.	19.	20.	20.	20.	22.	20.	20.	20.	19.	19.

單位: cm/s

表5.6.7a 2009年花蓮港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12	43.	29.	30.	36.	56.	19.	33.	25.	25.	32.	43.	22.	32.	35.	29.	38.	36.	33.	36.	39.	21.	43.	22.	28.	31.	35.	39.	43.	42.	22.	28.
2009/01	32.	29.	25.	28.	44.	28.	32.	28.	30.	25.	32.	52.	35.	27.	30.	34.	35.	27.	30.	28.	31.	30.	31.	31.	38.	68.	34.	27.	49.	34.	26.
2009/02	33.	33.	28.	30.	38.	27.	21.	47.	27.	48.	57.	43.	46.	43.	21.	41.	35.	24.	32.	53.	38.	38.	22.	30.	31.	36.	42.	41.			
2009/03	49.	24.	31.	24.	32.	40.	18.	16.	42.	41.	48.	43.	55.	26.	26.	47.	27.	26.	26.	37.	19.	52.	41.	30.	23.	37.	40.	40.	50.	30.	26.
2009/04	31.	24.	22.	23.	31.	31.	29.	32.	26.	26.	33.	26.	34.	39.	19.	24.	31.	22.	30.	34.	32.	29.	32.	24.	50.	42.	34.	35.	31.	31.	
2009/05	26.	31.	34.	44.	31.	37.	36.	36.	35.	42.	39.	33.	32.	31.	21.	55.	24.	50.	34.	20.	32.	22.	25.	49.	36.	48.	35.	23.	28.	28.	24.
2009/06	19.	22.	23.	39.	29.	20.	28.	32.	32.	20.	54.	31.	41.	56.	37.	30.	26.	24.	18.	33.	78.	44.	55.	31.	39.	30.	29.	27.	22.	28.	
2009/07	30.	27.	24.	20.	20.	36.	27.	22.	30.	34.	24.	26.	35.	42.	36.	26.	22.	73.	39.	26.	35.	47.	38.	57.	49.	31.	22.	30.	35.	48.	31.
2009/08	33.	28.	29.	35.	61.	50.	31.	71.	53.	66.	61.	23.	38.	18.	26.	24.	38.	30.	66.	37.	44.	39.	36.	38.	34.	27.	28.	44.	35.	27.	23.
2009/09	34.	39.	56.	40.	38.	29.	33.	27.	22.	27.	31.	27.	32.	30.	32.	22.	36.	31.	41.	38.	41.	36.	37.	35.	40.	27.	24.	31.	38.	18.	
2009/10	43.	40.	62.	28.	74.	47.	43.	24.	49.	32.	49.	38.	58.	33.	39.	45.	51.	39.	33.	55.	41.	24.	54.	36.	33.	35.	43.	37.	32.	44.	34.
2009/11	58.	29.	31.	51.	52.	42.	24.	25.	23.	23.	34.	14.	24.	27.	24.	35.	48.	23.	30.	32.	38.	29.	27.	24.	31.	28.	22.	39.	26.	26.	
2009/冬	43.	33.	30.	36.	56.	28.	33.	47.	30.	48.	57.	52.	46.	43.	30.	41.	36.	33.	36.	53.	38.	43.	31.	31.	38.	68.	42.	43.	49.	34.	28.
2009/春	49.	31.	34.	44.	32.	40.	36.	36.	42.	42.	48.	43.	55.	39.	26.	55.	31.	50.	34.	37.	32.	52.	41.	49.	50.	48.	40.	40.	50.	31.	26.
2009/夏	33.	28.	29.	39.	61.	50.	31.	71.	53.	66.	61.	31.	41.	56.	37.	30.	38.	73.	66.	37.	78.	47.	55.	57.	49.	31.	29.	44.	35.	48.	31.
2009/秋	58.	40.	62.	51.	74.	47.	43.	27.	49.	32.	49.	38.	58.	33.	39.	45.	51.	39.	41.	55.	41.	36.	54.	36.	40.	35.	43.	39.	38.	44.	34.
2009/年	58.	40.	62.	51.	74.	50.	43.	71.	53.	66.	61.	52.	58.	56.	39.	55.	51.	73.	66.	55.	78.	52.	55.	57.	50.	68.	43.	44.	50.	48.	34.

單位: cm/s

表5.6.7b　歷年花蓮港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/**12**	89.	89.	89.	77.	96.	83.	117.	63.	61.	56.	60.	54.	81.	56.	72.	65.	81.	79.	100.	101.	81.	63.	63.	88.	60.	62.	70.	65.	64.	76.	94.
歷年/**01**	73.	83.	86.	85.	68.	101.	56.	66.	69.	56.	66.	73.	100.	93.	80.	70.	74.	71.	93.	87.	75.	83.	97.	83.	108.	99.	85.	64.	53.	55.	58.
歷年/**02**	99.	79.	91.	93.	102.	84.	91.	106.	110.	93.	80.	87.	71.	93.	83.	95.	83.	93.	105.	104.	105.	89.	87.	91.	69.	94.	96.	75.	60.		
歷年/**03**	90.	79.	97.	71.	91.	102.	78.	65.	74.	63.	66.	53.	56.	52.	68.	47.	58.	70.	57.	91.	88.	72.	59.	49.	67.	78.	58.	56.	68.	66.	71.
歷年/**04**	97.	103.	79.	84.	89.	104.	92.	91.	96.	88.	87.	91.	90.	112.	87.	93.	101.	71.	77.	91.	83.	91.	97.	101.	109.	102.	71.	77.	76.	98.	
歷年/**05**	91.	71.	91.	61.	62.	53.	61.	55.	54.	74.	63.	59.	58.	56.	65.	55.	66.	64.	67.	60.	65.	53.	88.	49.	48.	72.	61.	76.	69.	66.	57.
歷年/**06**	57.	63.	45.	56.	61.	67.	68.	51.	62.	60.	64.	71.	71.	56.	78.	51.	61.	35.	67.	77.	78.	69.	76.	70.	60.	73.	63.	64.	67.	59.	
歷年/**07**	45.	61.	50.	53.	38.	74.	66.	52.	49.	60.	47.	57.	61.	58.	92.	57.	92.	79.	91.	80.	78.	74.	75.	88.	82.	92.	73.	90.	73.	81.	85.
歷年/**08**	80.	70.	88.	95.	96.	75.	80.	71.	63.	70.	71.	90.	67.	40.	77.	51.	64.	82.	85.	60.	68.	60.	63.	69.	71.	64.	79.	63.	84.	93.	81.
歷年/**09**	80.	59.	71.	84.	51.	64.	68.	48.	75.	57.	61.	74.	67.	99.	57.	58.	73.	68.	82.	76.	66.	60.	58.	66.	67.	54.	58.	156.	124.	120.	
歷年/**10**	68.	58.	62.	59.	74.	64.	49.	73.	104.	51.	49.	75.	62.	71.	60.	79.	72.	57.	63.	63.	82.	78.	60.	69.	72.	71.	71.	87.	82.	64.	112.
歷年/**11**	195.	68.	93.	83.	78.	149.	143.	88.	75.	76.	81.	65.	57.	70.	77.	81.	71.	64.	60.	66.	69.	52.	63.	63.	67.	115.	67.	81.	69.	66.	
歷年/冬	99.	89.	91.	93.	102.	101.	117.	106.	110.	93.	80.	87.	100.	93.	83.	95.	83.	93.	105.	104.	105.	89.	97.	91.	108.	99.	96.	75.	64.	76.	94.
歷年/春	97.	103.	97.	84.	91.	104.	92.	91.	96.	88.	87.	91.	90.	112.	87.	93.	101.	71.	77.	91.	88.	91.	97.	101.	109.	102.	71.	77.	76.	98.	71.
歷年/夏	80.	70.	88.	95.	96.	75.	80.	71.	63.	70.	71.	90.	71.	58.	92.	57.	92.	82.	91.	80.	78.	74.	76.	88.	82.	92.	79.	90.	84.	93.	85.
歷年/秋	195.	68.	93.	84.	78.	149.	143.	88.	104.	76.	81.	75.	67.	99.	77.	81.	73.	68.	82.	76.	82.	78.	63.	69.	72.	115.	71.	156.	124.	120.	112.
歷年/年	195.	103.	97.	95.	102.	149.	143.	106.	110.	93.	87.	91.	100.	112.	92.	95.	101.	93.	105.	104.	105.	91.	97.	101.	109.	115.	96.	156.	124.	120.	112.

單位: cm/s

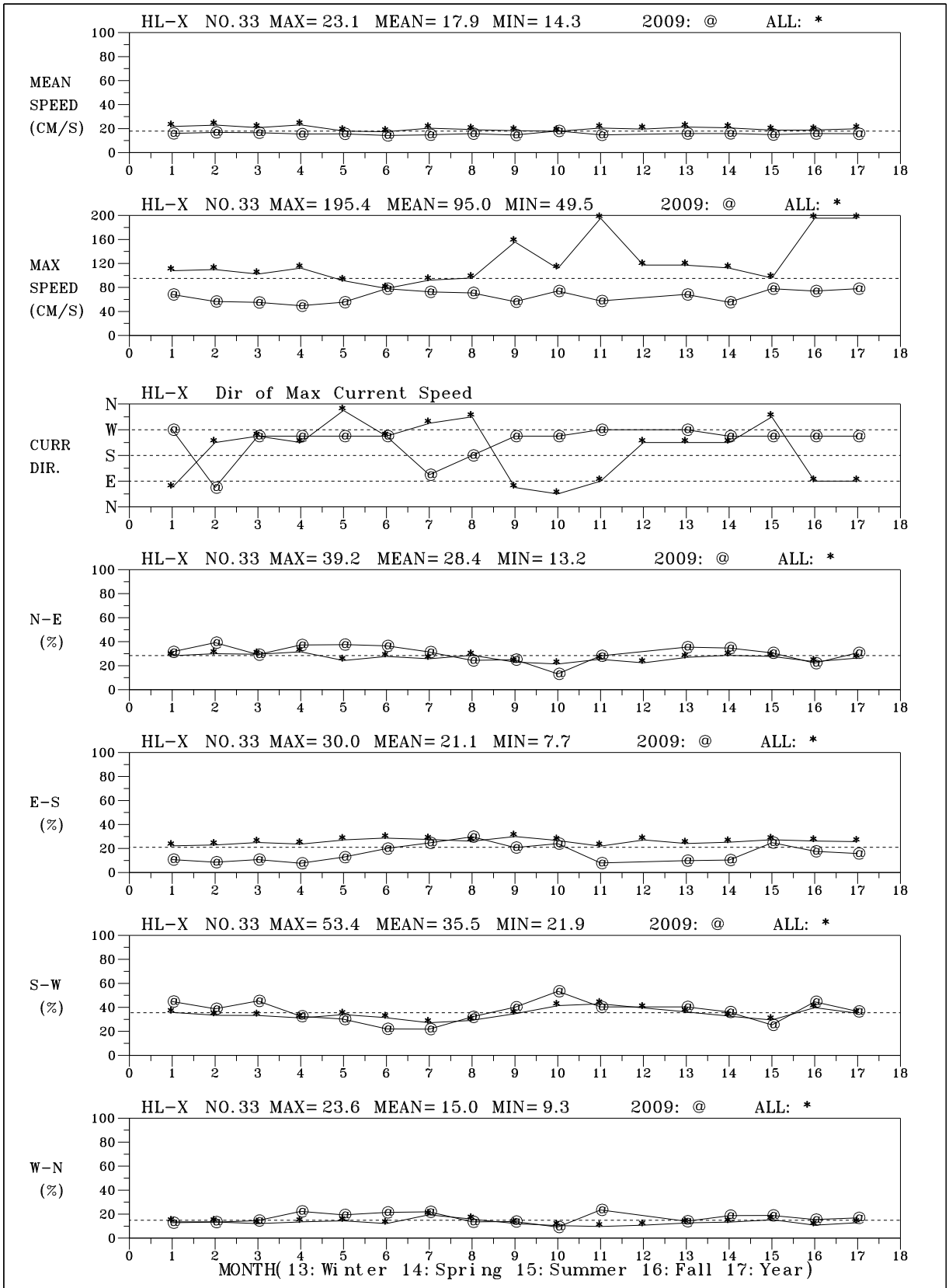


圖5.6.1 花蓮港3站2009及歷年月季海流統計圖

C09XHLX0.ST2	Institute of Harbor & Marine Technology

PLQC2A1.BAT(PLQCU2A1.FOR) 2010. 10. 19

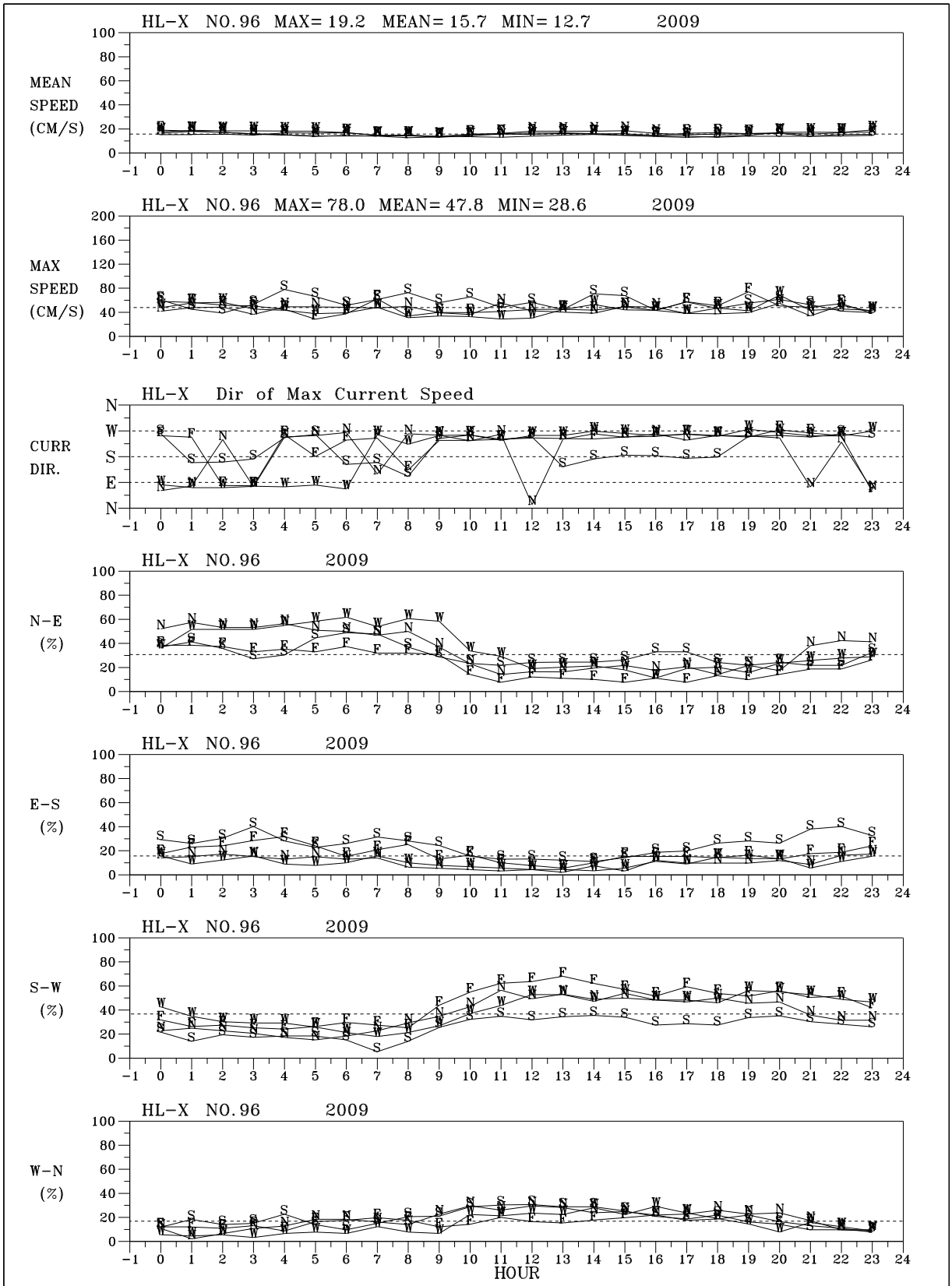


圖5.6.2 花蓮港3站2009年四季24時海流統計圖

C090HLX0.1HA	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19

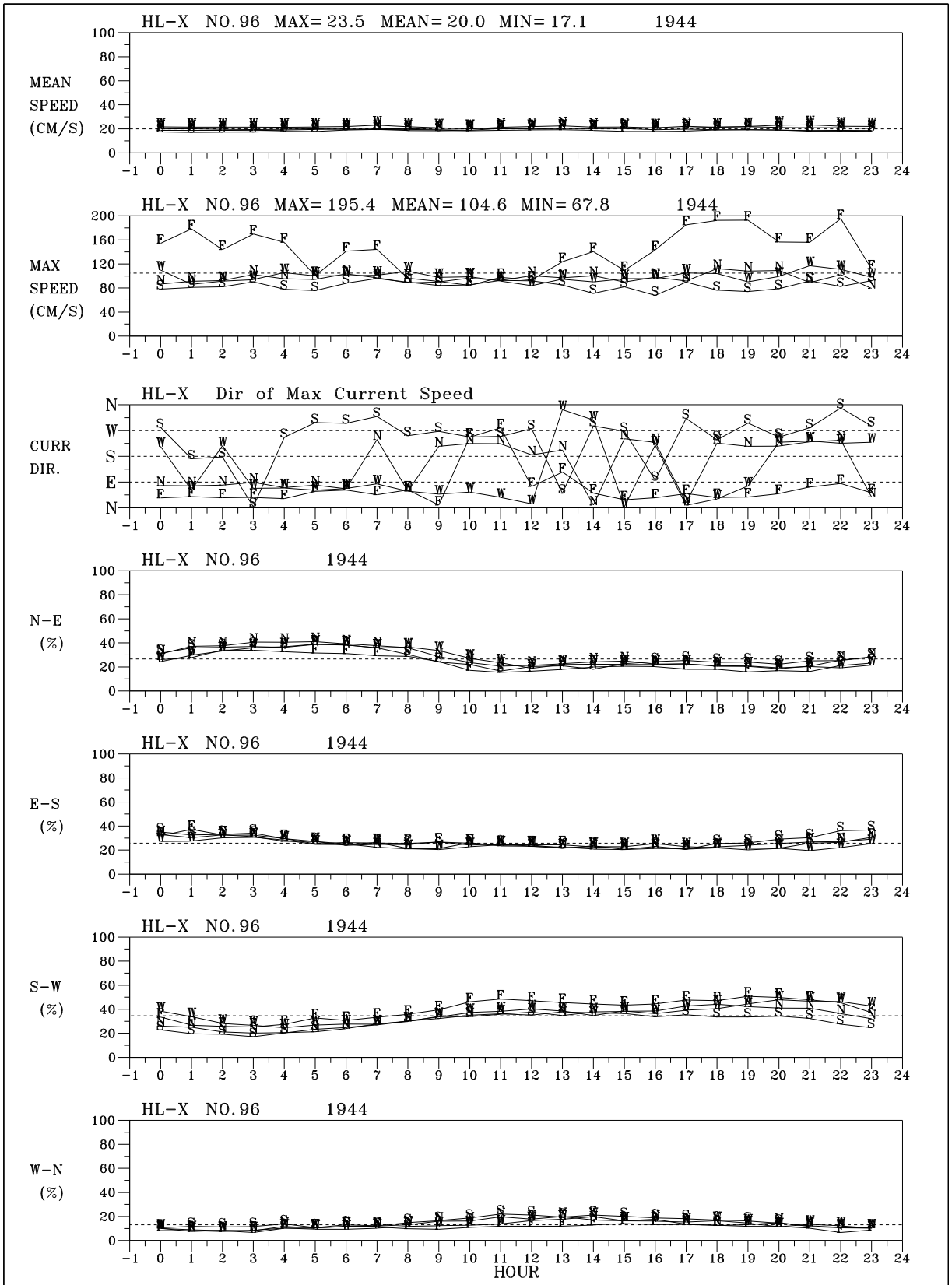


圖5.6.3 花蓮港3站歷年四季24時海流統計量圖

C440HLX0.1HY	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19

5.7　2009年蘇澳港海流重要參數統計表及統計圖

表5.7.1a 2009年蘇澳港測站 X 觀測流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	742(100%)	19.5	70.1 /SE	9.0 / SE	73.0	25.2	1.6	.0	13.7	48.0	21.3	16.8
2	**2009/01**	611(82%)	22.1	64.2 /SE	13.6 /SSE	65.6	30.3	3.8	.0	9.2	57.8	21.3	11.5
3	**2009/02**	593(88%)	19.4	73.5 /SE	3.1 /ENE	72.0	26.1	1.2	.0	32.2	25.0	22.6	19.6
4	**2009/03**	741(100%)	17.9	63.3 /N	4.6 /ENE	77.9	20.6	.8	.0	31.4	30.0	16.9	21.1
5	**2009/04**	720(100%)	16.4	65.5 /N	4.8 /NNE	81.3	17.4	.7	.0	29.7	21.9	17.5	30.1
6	**2009/05**	744(100%)	15.7	61.3 /N	5.8 / N	83.7	14.7	.9	.0	36.2	17.6	21.0	24.6
7	**2009/06**	431(60%)	13.3	62.4 /NNE	5.9 / N	88.9	9.5	.2	.0	41.5	11.1	21.8	24.1
8	**2009/07**	722(97%)	17.9	67.4 /NNE	12.3 / N	76.7	20.6	1.4	.0	43.5	10.4	12.7	32.1
9	**2009/08**	741(100%)	16.6	105.8 /SSW	.7 /WNW	83.8	12.8	2.4	.3	29.1	18.2	31.3	20.6
10	**2009/09**	719(100%)	18.3	65.6 /N	2.3 /ENE	76.9	21.3	1.0	.0	31.4	26.6	22.9	18.2
11	**2009/10**	732(98%)	22.3	108.0 /SSW	9.7 / S	65.2	28.8	5.5	.1	17.9	32.0	36.2	13.5
12	**2009/11**	720(100%)	16.9	60.3 /S	5.3 /SSE	80.6	18.5	.6	.0	15.6	36.3	28.6	19.2
13	**2009**/冬	1946(90%)	20.3	73.5 /SE	8.1 / SE	70.4	27.1	2.2	.0	17.9	44.0	21.7	16.0
14	**2009**/春	2205(100%)	16.7	65.5 /N	4.6 /NNE	81.0	17.6	.8	.0	32.5	23.2	18.5	25.2
15	**2009**/夏	1894(86%)	16.3	105.8 /SSW	6.1 / N	82.3	15.0	1.5	.1	37.4	13.6	22.1	25.8
16	**2009**/秋	2171(99%)	19.2	108.0 /SSW	4.7 /SSE	74.2	22.9	2.3	.0	21.6	31.6	29.3	17.0
17	**2009**/年	8216(94%)	18.1	108.0 /SSW	2.2 / E	77.0	20.6	1.7	.0	27.3	28.1	22.9	21.0

表5.7.1b 歷年蘇澳港測站 X 觀測流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	4435(85%)	21.8	90.6 /SSW	5.8 / SE	67.4	25.6	6.8	.0	25.8	30.5	27.1	16.5
2	歷年/02	4079(86%)	22.3	93.8 /ESE	5.7 /ESE	66.7	24.4	8.8	.0	30.1	27.2	26.3	16.2
3	歷年/03	5031(97%)	21.7	83.7 /N	3.3 /ENE	66.1	28.7	4.9	.0	30.6	25.7	25.3	18.0
4	歷年/04	4974(99%)	21.2	105.8 /SE	3.9 / NE	67.5	28.1	4.1	.0	34.2	24.5	21.8	19.2
5	歷年/05	4361(84%)	20.6	103.1 /N	3.3 /ENE	69.2	26.2	4.2	.0	35.5	23.5	24.2	16.4
6	歷年/06	4132(82%)	18.8	98.5 /N	5.4 / N	75.2	20.8	3.7	.0	37.5	18.0	23.9	20.3
7	歷年/07	4908(83%)	21.2	119.5 /SW	8.8 / N	67.8	26.8	4.7	.1	41.6	13.7	21.2	23.0
8	歷年/08	5818(98%)	18.6	123.2 /SSW	5.8 / N	75.1	21.6	3.0	.1	42.4	14.7	25.8	16.9
9	歷年/09	5236(91%)	20.6	185.8 /S	1.0 / NE	69.5	25.6	4.6	.1	35.0	19.9	30.2	14.7
10	歷年/10	4612(78%)	21.6	108.0 /SSW	5.5 /SSE	67.2	27.2	5.4	.0	24.8	28.5	33.1	13.4
11	歷年/11	5709(99%)	21.9	91.3 /NNE	6.1 / SE	66.7	26.8	6.4	.0	23.9	31.2	31.0	13.9
12	歷年/12	4827(93%)	22.6	95.5 /SE	5.8 / SE	64.1	29.8	6.1	.0	26.0	30.4	28.9	14.6
13	歷年/冬	13341(88%)	22.3	95.5 /SE	5.6 / SE	66.0	26.7	7.2	.0	27.2	29.4	27.5	15.7
14	歷年/春	14366(93%)	21.2	105.8 /SE	3.4 /ENE	67.5	27.8	4.4	.0	33.4	24.6	23.8	17.9
15	歷年/夏	14858(88%)	19.5	123.2 /SSW	6.7 / N	72.7	23.1	3.8	.1	40.8	15.3	23.7	19.9
16	歷年/秋	15557(89%)	21.4	185.8 /S	3.6 /SSE	67.8	26.5	5.5	.0	27.9	26.6	31.3	14.0
17	歷年/年	58122(89%)	21.0	185.8 /S	2.5 /ENE	68.6	26.0	5.2	.0	32.4	23.9	26.6	16.9

表5.7.1c 2009年蘇澳港測站 X 潮流流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	744(100%)	11.5	30.7 /SE	.0 / SE	96.8	3.2	.0	.0	11.2	32.5	18.1	38.2
2	**2009/01**	744(100%)	10.8	31.0 /ESE	.0 / SE	95.0	5.0	.0	.0	9.5	28.9	22.6	39.0
3	**2009/02**	672(100%)	6.6	17.9 /NNW	.0 /SSE	100.0	.0	.0	.0	19.0	30.5	20.7	29.8
4	**2009/03**	744(100%)	10.2	24.2 /SE	.0 / SE	100.0	.0	.0	.0	13.3	31.2	18.8	36.7
5	**2009/04**	720(100%)	7.9	15.7 /ENE	.0 /NNW	100.0	.0	.0	.0	26.4	18.9	28.3	26.4
6	**2009/05**	744(100%)	6.7	16.3 /SSW	.0 / E	100.0	.0	.0	.0	25.1	20.4	31.0	23.4
7	**2009/06**	433(60%)	5.0	11.5 /SSW	.1 /SSW	100.0	.0	.0	.0	33.0	19.4	30.3	17.3
8	**2009/07**	729(98%)	6.4	17.5 /N	.0 /SSW	100.0	.0	.0	.0	31.1	19.3	29.5	20.0
9	**2009/08**	744(100%)	6.8	15.7 /NNE	.0 / W	100.0	.0	.0	.0	32.1	20.4	27.3	20.2
10	**2009/09**	720(100%)	8.6	22.3 /SSW	.0 / NE	100.0	.0	.0	.0	31.0	25.1	24.9	19.0
11	**2009/10**	744(100%)	12.8	28.7 /N	.0 /NNW	96.8	3.1	.0	.0	24.6	21.8	30.2	23.3
12	**2009/11**	720(100%)	10.0	21.7 /SE	.0 / W	100.0	.0	.0	.0	16.1	28.5	25.4	30.0
13	**2009**/冬	2160(100%)	9.7	31.0 /ESE	.0 /SSE	97.2	2.8	.0	.0	13.1	30.6	20.5	35.8
14	**2009**/春	2208(100%)	8.3	24.2 /SE	.0 /ESE	100.0	.0	.0	.0	21.6	23.6	26.0	28.8
15	**2009**/夏	1906(86%)	6.2	17.5 /N	.0 / SW	100.0	.0	.0	.0	32.0	19.8	28.8	19.5
16	**2009**/秋	2184(100%)	10.5	28.7 /N	.0 /NNW	98.9	1.1	.0	.0	23.9	25.1	26.9	24.1
17	**2009**/年	8458(97%)	8.8	31.0 /ESE	.0 /SSW	99.0	1.0	.0	.0	22.3	24.9	25.5	27.3

表5.7.1d　歷年蘇澳港測站 X 潮流流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	4861(93%)	9.8	31.0 /ESE	.0 /ENE	98.7	1.3	.0	.0	33.4	17.7	32.3	16.6
2	歷年/02	4200(88%)	9.9	54.2 /N	.0 / NE	98.6	1.3	.1	.0	35.3	16.4	33.1	15.1
3	歷年/03	5176(99%)	10.6	31.0 /N	.0 / NE	98.6	1.4	.0	.0	32.2	19.1	29.7	19.0
4	歷年/04	5040(100%)	9.6	35.1 /S	.0 /ENE	99.0	1.0	.0	.0	34.5	17.9	31.2	16.4
5	歷年/05	4550(87%)	8.6	36.0 /NNE	.0 /SSW	98.9	1.1	.0	.0	31.3	18.6	32.1	17.9
6	歷年/06	4273(85%)	8.8	35.5 /NNE	.0 /NNE	98.6	1.4	.0	.0	31.9	21.2	31.5	15.4
7	歷年/07	5480(92%)	8.2	33.2 /SSW	.0 / S	99.3	.7	.0	.0	32.2	19.0	32.6	16.2
8	歷年/08	5947(100%)	7.6	26.5 /NNE	.0 / SW	99.9	.1	.0	.0	34.6	17.2	32.8	15.4
9	歷年/09	5292(92%)	9.0	31.0 /N	.0 / SW	99.6	.4	.0	.0	36.8	14.1	36.3	12.8
10	歷年/10	5052(85%)	10.8	44.5 /SW	.0 /WSW	97.4	2.6	.0	.0	34.1	17.9	32.5	15.5
11	歷年/11	5760(100%)	10.1	33.3 /SE	.0 /WSW	98.3	1.7	.0	.0	33.4	18.1	32.4	16.1
12	歷年/12	5208(100%)	10.4	30.8 /SW	.0 /ENE	98.4	1.6	.0	.0	33.7	17.4	32.0	17.0
13	歷年/冬	14269(94%)	10.1	54.2 /N	.0 /ENE	98.6	1.4	.0	.0	34.1	17.2	32.4	16.3
14	歷年/春	14766(96%)	9.7	36.0 /NNE	.0 /ENE	98.8	1.2	.0	.0	32.7	18.5	31.0	17.8
15	歷年/夏	15700(93%)	8.1	35.5 /NNE	.0 /SSW	99.4	.6	.0	.0	33.0	18.9	32.4	15.7
16	歷年/秋	16104(92%)	10.0	44.5 /SW	.0 /WSW	98.5	1.5	.0	.0	34.7	16.7	33.7	14.8
17	歷年/年	60839(94%)	9.4	54.2 /N	.0 /SSW	98.8	1.2	.0	.0	33.6	17.8	32.4	16.1

表5.7.1e 2009年蘇澳港測站 X 非潮流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	742(100%)	16.2	52.5 /SE	9.0 / SE	84.5	15.2	.3	.0	17.1	60.2	15.1	7.5
2	**2009/01**	611(82%)	19.2	64.1 /SE	13.5 /SSE	75.5	24.2	.3	.0	11.3	71.2	14.1	3.4
3	**2009/02**	593(88%)	17.9	60.4 /SE	3.2 /ENE	77.4	22.4	.2	.0	34.2	28.3	22.3	15.2
4	**2009/03**	741(100%)	15.0	56.4 /N	4.6 /ENE	88.5	11.1	.4	.0	37.4	31.4	17.1	14.0
5	**2009/04**	720(100%)	14.8	58.5 /NNE	4.8 /NNE	86.8	12.8	.4	.0	35.0	19.6	14.6	30.8
6	**2009/05**	744(100%)	14.3	57.6 /N	5.8 / N	88.2	11.6	.3	.0	39.0	15.1	17.7	28.2
7	**2009/06**	431(60%)	12.4	56.9 /NNE	6.0 / N	91.9	7.9	.2	.0	41.5	10.7	19.3	28.5
8	**2009/07**	722(97%)	17.0	63.8 /NNE	12.4 / N	78.9	19.9	1.1	.0	45.4	7.8	9.7	37.1
9	**2009/08**	741(100%)	15.0	94.1 /SSW	.6 /WNW	86.0	12.0	2.0	.0	32.0	19.3	28.1	20.6
10	**2009/09**	719(100%)	15.9	65.3 /N	2.3 /ENE	85.7	13.8	.6	.0	28.7	32.7	20.2	18.5
11	**2009/10**	732(98%)	19.2	87.0 /SSW	9.8 / S	75.7	21.9	2.5	.0	15.2	39.2	32.1	13.5
12	**2009/11**	720(100%)	14.1	48.1 /S	5.3 /SSE	92.5	7.4	.0	.0	17.9	39.7	27.4	14.9
13	**2009**/冬	1946(90%)	17.7	64.1 /SE	8.1 / SE	79.5	20.2	.3	.0	20.5	54.0	17.0	8.6
14	**2009**/春	2205(100%)	14.7	58.5 /NNE	4.6 /NNE	87.8	11.8	.4	.0	37.1	22.0	16.5	24.3
15	**2009**/夏	1894(86%)	15.2	94.1 /SSW	6.2 / N	84.6	14.1	1.3	.0	39.3	12.9	19.1	28.7
16	**2009**/秋	2171(99%)	16.5	87.0 /SSW	4.8 /SSE	84.6	14.4	1.0	.0	20.5	37.2	26.6	15.6
17	**2009**/年	8216(94%)	16.0	94.1 /SSW	2.2 / E	84.3	15.0	.7	.0	29.3	31.5	19.9	19.3

表5.7.1f 歷年蘇澳港測站 X 非潮流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25~50 (%)	流速 50~100 (%)	流速 >100 (%)	流向 N ~E (%)	流向 E ~S (%)	流向 S ~W (%)	流向 W ~N (%)
1	歷年/01	4435(85%)	18.9	86.0 /SW	5.8 / SE	75.3	19.8	4.9	.0	21.9	34.2	23.8	20.1
2	歷年/02	4079(86%)	19.6	91.0 /E	5.7 /ESE	73.2	20.5	6.3	.0	27.5	28.8	23.4	20.4
3	歷年/03	5031(97%)	18.7	85.9 /SE	3.3 /ENE	75.1	21.8	3.1	.0	29.9	27.0	21.6	21.4
4	歷年/04	4974(99%)	18.8	102.4 /SE	3.9 / NE	74.6	22.5	2.9	.0	34.2	24.4	18.7	22.7
5	歷年/05	4361(84%)	18.3	97.0 /N	3.3 /ENE	75.7	21.1	3.2	.0	36.5	23.7	20.2	19.6
6	歷年/06	4132(82%)	16.8	82.7 /N	5.4 / N	80.4	17.9	1.6	.0	38.2	17.2	20.3	24.3
7	歷年/07	4908(83%)	19.5	118.2 /SW	8.8 / N	72.1	24.5	3.3	.0	43.2	11.4	19.6	25.8
8	歷年/08	5818(98%)	17.2	113.2 /SSW	5.9 / N	79.1	19.0	1.9	.0	42.9	13.5	24.2	19.4
9	歷年/09	5236(91%)	18.5	173.6 /S	1.0 / NE	76.3	20.1	3.4	.1	33.9	20.0	29.3	16.7
10	歷年/10	4612(78%)	18.7	87.0 /SSW	5.5 /SSE	74.7	22.4	2.9	.0	20.5	30.1	32.9	16.5
11	歷年/11	5709(99%)	19.5	97.6 /NNE	6.1 / SE	74.7	20.1	5.2	.0	21.3	34.1	28.8	15.7
12	歷年/12	4827(93%)	20.0	79.0 /NNE	5.7 / SE	70.3	26.2	3.5	.0	21.8	34.3	26.6	17.3
13	歷年/冬	13341(88%)	19.5	91.0 /E	5.5 / SE	72.8	22.3	4.8	.0	23.6	32.6	24.7	19.2
14	歷年/春	14366(93%)	18.6	102.4 /SE	3.4 /ENE	75.1	21.8	3.0	.0	33.4	25.1	20.2	21.3
15	歷年/夏	14858(88%)	17.8	118.2 /SW	6.7 / N	77.2	20.5	2.3	.0	41.7	13.9	21.6	22.8
16	歷年/秋	15557(89%)	18.9	173.6 /S	3.6 /SSE	75.2	20.8	3.9	.0	25.3	28.2	30.2	16.3
17	歷年/年	58122(89%)	18.7	173.6 /S	2.5 /ENE	75.2	21.3	3.5	.0	31.1	24.8	24.3	19.9

表5.7.1g 2009年蘇澳港測站 X48時平均流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	**2008/12**	697(94%)	11.3	19.2 /SSE	8.7 / SE	100.0	.0	.0	.0	19.8	78.6	1.6	.0
2	**2009/01**	607(82%)	15.7	38.6 /SE	14.0 / SE	99.0	1.0	.0	.0	8.2	84.7	7.1	.0
3	**2009/02**	603(90%)	9.4	18.9 /NNE	3.2 / E	100.0	.0	.0	.0	40.8	41.0	11.6	6.6
4	**2009/03**	697(94%)	7.4	17.2 /NNE	4.7 /ENE	100.0	.0	.0	.0	51.2	36.3	9.3	3.2
5	**2009/04**	673(94%)	7.7	21.0 /NNW	4.5 /NNE	100.0	.0	.0	.0	34.6	25.1	1.8	38.5
6	**2009/05**	697(94%)	7.5	20.7 /N	5.6 / N	100.0	.0	.0	.0	50.4	17.5	4.9	27.3
7	**2009/06**	386(54%)	7.8	17.5 /NNE	5.7 / N	100.0	.0	.0	.0	35.5	.0	17.1	47.4
8	**2009/07**	682(92%)	13.0	27.7 /N	12.8 / N	98.7	1.3	.0	.0	48.2	1.3	.0	50.4
9	**2009/08**	697(94%)	7.6	42.2 /SSW	.8 /WNW	94.8	5.2	.0	.0	36.6	11.6	19.7	32.1
10	**2009/09**	673(94%)	9.7	20.0 /N	2.7 / NE	100.0	.0	.0	.0	52.6	31.1	10.1	6.2
11	**2009/10**	697(94%)	12.9	39.6 /S	10.7 / S	92.0	8.0	.0	.0	1.4	56.1	34.6	7.9
12	**2009/11**	673(94%)	8.7	17.0 /SSE	5.1 /SSE	100.0	.0	.0	.0	13.8	52.5	21.2	12.5
13	**2009**/冬	1907(88%)	12.1	38.6 /SE	8.3 / SE	99.7	.3	.0	.0	22.8	68.6	6.5	2.1
14	**2009**/春	2067(94%)	7.5	21.0 /NNW	4.5 /NNE	100.0	.0	.0	.0	45.5	26.3	5.4	22.8
15	**2009**/夏	1765(80%)	9.7	42.2 /SSW	6.3 / N	97.5	2.5	.0	.0	40.8	5.1	11.5	42.5
16	**2009**/秋	2043(94%)	10.5	39.6 /S	5.0 /SSE	97.3	2.7	.0	.0	22.4	46.6	22.1	8.9
17	**2009**/年	7782(89%)	9.9	42.2 /SSW	2.3 / E	98.6	1.4	.0	.0	32.8	37.2	11.4	18.5

表5.7.2 2009年及歷年蘇澳港測站 X 觀測流速分佈百分比 (%) 統計表

流速 (cm/s) 年、月	0 ～ 5	5 ～ 10	10 ～ 15	15 ～ 20	20 ～ 25	25 ～ 30	30 ～ 35	35 ～ 40	40 ～ 45	45 ～ 50	50 ～ 60	60 ～ 80	80 ～ 100	100～ 120	120～ 150	150 <	合計 (%)
2008/12	5.5	15.6	19.0	19.4	13.5	8.4	8.4	4.3	3.2	.9	.9	.7	.0	.0	.0	.0	100.
2009/01	5.9	12.9	15.9	16.2	14.7	9.8	6.9	6.2	3.9	3.4	3.1	.7	.0	.0	.0	.0	100.
2009/02	4.0	17.9	17.0	16.7	16.4	12.6	6.2	4.0	2.4	.8	.8	.3	.0	.0	.0	.0	100.
2009/03	5.8	18.9	21.5	18.5	13.2	8.9	4.7	3.6	2.2	1.2	.7	.1	.0	.0	.0	.0	100.
2009/04	7.6	23.9	21.3	17.1	11.4	7.1	3.8	4.2	1.4	1.0	.6	.1	.0	.0	.0	.0	100.
2009/05	8.9	24.9	21.5	16.7	11.8	6.3	5.8	1.5	.4	.7	.8	.1	.0	.0	.0	.0	100.
2009/06	11.6	31.6	23.0	13.9	8.8	5.8	1.4	1.4	.7	.2	.0	.2	.0	.0	.0	.0	100.
2009/07	5.7	22.0	20.1	17.7	11.2	7.6	5.8	3.7	2.5	1.0	.7	.7	.0	.0	.0	.0	100.
2009/08	6.7	25.6	24.6	17.7	9.2	5.4	3.2	2.2	1.3	.7	1.1	.8	.5	.3	.0	.0	100.
2009/09	2.4	18.4	22.0	21.1	13.1	9.2	6.7	2.9	1.5	1.0	.7	.3	.0	.0	.0	.0	100.
2009/10	3.3	17.1	16.0	17.3	11.5	10.8	7.4	5.5	3.0	2.2	3.1	1.6	.7	.1	.0	.0	100.
2009/11	5.0	21.0	23.7	18.8	12.1	9.2	5.4	2.5	1.0	.4	.4	.1	.0	.0	.0	.0	100.
2009/冬	5.2	15.5	17.4	17.6	14.7	10.1	7.2	4.8	3.2	1.7	1.6	.6	.0	.0	.0	.0	100.
2009/春	7.4	22.5	21.4	17.4	12.2	7.4	4.8	3.1	1.3	1.0	.7	.1	.0	.0	.0	.0	100.
2009/夏	7.4	25.6	22.5	16.8	9.9	6.3	3.8	2.6	1.6	.7	.7	.6	.2	.1	.0	.0	100.
2009/秋	3.5	18.8	20.5	19.1	12.2	9.7	6.5	3.6	1.8	1.2	1.4	.7	.2	.0	.0	.0	100.
2009/年	5.9	20.6	20.5	17.8	12.3	8.4	5.6	3.5	2.0	1.1	1.1	.5	.1	.0	.0	.0	100.
歷年/**01**	6.3	16.6	17.5	16.1	10.9	8.6	6.0	4.4	3.4	3.2	4.2	2.5	.1	.0	.0	.0	100.
歷年/**02**	6.0	18.3	17.4	13.6	11.4	8.7	5.6	3.8	3.2	2.9	5.0	3.7	.1	.0	.0	.0	100.
歷年/**03**	6.0	16.1	16.9	15.6	11.6	9.5	6.9	4.9	4.1	3.3	3.3	1.6	.0	.0	.0	.0	100.
歷年/**04**	5.8	16.8	17.4	15.0	12.5	9.5	6.8	5.7	4.0	2.1	2.5	1.4	.2	.0	.0	.0	100.
歷年/**05**	7.0	16.8	19.1	14.8	11.5	9.7	6.4	4.5	3.4	2.2	2.5	1.5	.2	.0	.0	.0	100.
歷年/**06**	8.2	21.0	19.2	15.2	11.7	8.2	4.9	3.3	2.8	1.5	2.2	1.2	.3	.0	.0	.0	100.
歷年/**07**	7.2	17.6	16.6	14.6	11.8	8.4	7.1	4.9	3.9	2.5	2.7	1.8	.2	.1	.0	.0	100.
歷年/**08**	8.8	20.5	20.0	15.5	10.4	7.8	5.4	4.4	2.5	1.5	2.0	.9	.2	.1	.0	.0	100.
歷年/**09**	7.0	17.0	19.0	15.1	11.4	9.7	6.5	4.8	2.7	1.9	2.6	1.9	.2	.1	.0	.0	100.
歷年/**10**	5.6	16.2	18.5	15.4	11.4	8.9	7.1	5.1	3.6	2.5	3.3	2.0	.2	.0	.0	.0	100.
歷年/**11**	6.7	16.7	18.1	14.1	11.0	8.5	6.7	5.0	3.7	2.8	3.2	3.0	.2	.0	.0	.0	100.
歷年/**12**	6.5	15.0	16.1	14.6	11.9	9.0	7.5	5.3	4.6	3.3	3.7	2.2	.2	.0	.0	.0	100.
歷年/冬	6.3	16.5	17.0	14.8	11.4	8.8	6.4	4.6	3.8	3.2	4.3	2.7	.1	.0	.0	.0	100.
歷年/春	6.2	16.5	17.7	15.2	11.9	9.6	6.7	5.0	3.8	2.5	2.8	1.5	.1	.0	.0	.0	100.
歷年/夏	8.1	19.7	18.6	15.1	11.2	8.1	5.8	4.3	3.1	1.8	2.3	1.3	.2	.1	.0	.0	100.
歷年/秋	6.5	16.6	18.5	14.8	11.3	9.0	6.7	5.0	3.4	2.4	3.0	2.3	.2	.0	.0	.0	100.
歷年/年	6.8	17.4	18.0	15.0	11.4	8.9	6.4	4.7	3.5	2.5	3.1	1.9	.2	.0	.0	.0	100.

表5.7.3 2009年及歷年蘇澳港測站 X 觀測流向分佈百分比 (%) 統計表

流向 年、月	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	合計 (%)
2008/12	8.9	5.0	2.0	2.2	2.2	6.9	19.3	14.0	12.9	9.0	2.8	2.2	1.5	2.0	2.8	6.3	100.
2009/01	6.4	3.6	.7	.5	2.5	7.5	20.0	17.3	17.2	9.2	3.3	2.1	.8	1.1	3.9	3.9	100.
2009/02	16.4	14.2	5.6	2.9	2.4	6.1	7.6	6.2	9.6	8.4	4.9	3.7	2.4	2.2	1.7	5.9	100.
2009/03	17.0	11.1	5.0	4.7	4.2	9.0	7.6	7.3	7.0	6.7	4.3	1.5	1.9	1.3	4.5	6.9	100.
2009/04	17.1	10.0	4.2	3.5	6.1	6.4	6.9	3.5	4.3	4.4	4.0	3.9	6.1	6.1	5.8	7.6	100.
2009/05	19.5	14.4	4.6	3.6	3.9	4.3	4.2	3.9	7.0	7.4	4.3	3.6	3.0	2.7	4.2	9.5	100.
2009/06	21.1	16.5	8.4	2.3	2.8	1.6	1.6	4.9	4.9	4.9	7.9	4.6	3.7	4.6	4.4	5.8	100.
2009/07	33.7	15.5	5.4	2.9	3.2	2.4	2.6	1.9	3.6	3.5	3.7	2.8	1.4	2.6	5.4	9.4	100.
2009/08	12.3	12.0	5.5	3.1	3.5	3.9	5.4	4.6	6.7	11.5	8.9	4.6	4.9	2.6	2.7	7.8	100.
2009/09	15.2	12.2	5.1	3.1	2.4	4.2	8.9	8.9	8.6	9.5	5.1	2.2	1.9	2.5	3.2	7.0	100.
2009/10	7.2	5.1	3.1	3.6	3.7	5.7	11.3	9.6	11.6	13.8	7.5	4.9	3.3	2.2	2.9	4.5	100.
2009/11	9.7	4.0	2.9	2.5	4.7	8.1	10.0	9.6	11.3	11.5	6.7	3.6	3.6	3.9	3.6	4.3	100.
2009/冬	10.4	7.3	2.7	1.8	2.3	6.8	15.9	12.7	13.3	8.9	3.6	2.6	1.5	1.8	2.8	5.4	100.
2009/春	17.9	11.8	4.6	3.9	4.7	6.6	6.2	4.9	6.1	6.2	4.2	3.0	3.6	3.4	4.8	8.0	100.
2009/夏	22.4	14.4	6.1	2.9	3.2	2.8	3.5	3.6	5.1	6.9	6.7	3.9	3.3	3.1	4.1	8.0	100.
2009/秋	10.7	7.1	3.7	3.0	3.6	6.0	10.1	9.4	10.5	11.6	6.4	3.6	2.9	2.9	3.2	5.3	100.
2009/年	15.3	10.1	4.3	3.0	3.5	5.6	8.9	7.6	8.7	8.4	5.2	3.3	2.9	2.8	3.8	6.7	100.
歷年/**01**	10.3	9.9	4.5	3.2	4.1	6.9	10.4	7.0	7.4	7.6	8.1	6.1	3.8	3.7	3.0	4.0	100.
歷年/**02**	11.3	12.3	5.8	3.6	4.9	10.1	6.4	4.8	5.9	6.8	8.6	5.9	3.6	2.8	3.0	4.3	100.
歷年/**03**	13.6	12.1	5.2	4.0	4.1	7.8	6.5	5.7	6.8	8.2	7.0	4.8	3.6	2.5	3.2	5.1	100.
歷年/**04**	14.3	13.7	6.1	4.2	4.8	6.7	6.0	5.9	5.9	7.3	6.1	3.8	3.4	3.2	3.5	5.1	100.
歷年/**05**	11.7	13.3	7.0	5.6	5.2	6.2	5.5	5.5	8.1	7.8	6.4	4.1	2.8	2.1	2.6	6.1	100.
歷年/**06**	14.7	15.1	7.5	4.2	3.7	4.0	4.4	5.3	5.7	6.8	7.1	5.2	3.1	3.3	3.2	6.6	100.
歷年/**07**	20.6	17.4	6.8	3.5	3.4	3.2	3.2	3.3	4.7	5.7	7.1	4.5	3.0	2.4	4.0	7.3	100.
歷年/**08**	14.9	18.3	8.8	4.4	3.3	3.4	3.5	3.8	5.6	8.4	8.7	4.0	3.1	2.1	2.6	5.2	100.
歷年/**09**	11.2	16.1	6.9	3.7	3.0	3.7	5.3	5.5	9.2	10.5	8.3	4.5	2.8	2.4	2.7	4.4	100.
歷年/**10**	7.9	9.0	4.6	4.4	4.7	6.9	6.9	7.1	10.5	11.6	8.8	4.9	3.8	2.3	2.8	3.8	100.
歷年/**11**	8.3	9.9	4.5	3.1	4.8	8.4	7.6	7.3	9.7	9.7	9.2	5.5	2.9	2.6	2.6	3.9	100.
歷年/**12**	8.3	11.0	5.0	3.0	5.1	6.8	8.3	8.0	9.1	9.4	8.1	5.3	3.4	2.5	2.8	4.0	100.
歷年/冬	9.9	11.0	5.1	3.2	4.7	7.8	8.4	6.7	7.5	8.0	8.2	5.7	3.6	3.0	2.9	4.1	100.
歷年/春	13.3	13.0	6.1	4.5	4.7	6.9	6.0	5.7	6.8	7.8	6.5	4.2	3.3	2.6	3.1	5.4	100.
歷年/夏	16.7	17.1	7.8	4.0	3.5	3.5	3.6	4.1	5.4	7.1	7.7	4.5	3.0	2.5	3.2	6.3	100.
歷年/秋	9.1	11.7	5.3	3.7	4.2	6.4	6.6	6.6	9.8	10.5	8.8	5.0	3.1	2.5	2.7	4.0	100.
歷年/年	12.3	13.3	6.1	3.9	4.2	6.1	6.1	5.8	7.4	8.4	7.8	4.9	3.3	2.6	3.0	5.0	100.

表5.7.4a 蘇澳港2009年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12	25.8	27.6	28.6	27.9	24.0	20.4	19.0	16.1	14.9	14.0	19.0	18.4	16.7	16.5	13.7	14.6	15.1	15.7	16.7	16.7	19.0	21.6	21.6	25.1
2009/01	34.6	35.9	38.1	33.6	27.9	19.3	17.2	13.3	14.9	14.7	15.0	19.0	21.0	19.8	19.0	16.4	17.0	16.8	17.3	18.1	22.4	24.3	24.3	29.4
2009/02	22.1	26.0	21.3	17.8	14.4	19.3	20.0	16.8	15.0	15.0	15.1	19.4	19.5	18.9	18.1	17.5	20.9	20.1	18.7	19.1	20.4	22.2	24.5	25.0
2009/03	22.8	20.6	18.2	15.8	16.1	16.9	15.0	15.9	16.7	16.5	15.9	13.6	16.4	18.0	17.8	18.3	19.2	17.1	17.8	17.8	18.5	20.4	20.9	22.6
2009/04	15.0	13.1	12.1	10.4	10.8	15.6	12.9	13.1	12.1	13.9	16.3	17.7	20.0	20.5	20.3	21.7	20.1	20.1	21.3	19.2	18.7	16.3	16.6	16.1
2009/05	12.5	11.9	13.8	13.9	14.7	14.4	15.1	14.8	15.3	13.7	15.7	16.5	18.3	18.8	18.2	19.7	20.8	18.2	17.1	16.1	15.8	14.4	13.3	14.1
2009/06	14.6	15.2	12.8	11.1	11.4	10.1	9.5	9.1	13.3	15.5	12.5	14.1	15.7	16.9	17.1	16.1	18.2	16.4	14.2	12.6	9.6	10.5	10.3	11.8
2009/07	16.1	14.8	14.5	13.4	16.0	15.2	18.1	18.3	17.5	20.3	24.9	25.9	25.1	22.7	19.4	16.0	16.2	16.7	16.4	16.6	16.7	18.3	16.0	16.0
2009/08	13.9	14.2	15.8	18.2	17.1	16.3	17.8	16.7	15.5	16.6	16.3	19.5	20.3	20.4	18.7	17.4	14.9	13.5	15.3	17.4	19.7	15.8	14.3	12.3
2009/09	19.8	21.6	19.0	17.5	17.9	16.7	18.1	17.2	17.6	20.3	20.7	22.2	23.6	20.3	19.6	17.0	13.8	15.5	16.0	18.0	15.1	14.7	18.2	19.6
2009/10	24.7	30.1	27.1	25.4	21.9	19.1	19.6	17.7	16.6	20.7	23.3	25.3	27.9	27.0	26.0	24.1	25.9	23.2	18.3	16.9	15.9	16.0	19.0	22.3
2009/11	20.6	21.9	21.6	19.1	16.5	14.1	14.3	13.6	15.7	14.7	16.3	16.6	16.1	14.7	14.8	15.6	15.2	14.9	15.7	16.4	17.3	18.6	20.4	21.8
2009/冬	27.7	29.8	29.3	26.4	22.3	19.7	18.7	15.4	14.9	14.5	16.6	18.9	18.9	18.3	16.7	16.1	17.5	17.4	17.4	17.8	20.5	22.7	23.3	26.5
2009/春	16.8	15.2	14.7	13.4	13.9	15.6	14.3	14.6	14.7	14.7	16.0	15.9	18.2	19.1	18.7	19.9	20.0	18.5	18.7	17.7	17.6	17.0	17.0	17.6
2009/夏	14.9	14.7	14.6	14.8	15.4	14.5	16.0	15.6	15.8	17.8	18.7	20.7	21.1	20.5	18.6	16.6	16.1	15.4	15.4	16.0	16.3	15.6	14.1	13.6
2009/秋	21.8	24.6	22.6	20.7	18.8	16.7	17.4	16.2	16.6	18.6	20.1	21.4	22.6	20.7	20.1	18.9	18.3	17.9	16.6	17.1	16.1	16.4	19.2	21.2
2009/年	20.2	21.0	20.3	18.8	17.5	16.6	16.5	15.5	15.5	16.4	17.8	19.2	20.2	19.6	18.6	18.0	18.1	17.3	17.1	17.2	17.6	17.9	18.4	19.7

單位: cm/s

表5.7.4b 蘇澳港 歷年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/**12**	24.7	25.3	25.0	25.3	23.3	21.3	21.6	21.5	21.4	21.6	23.9	24.3	24.4	24.5	22.0	21.6	21.4	20.9	20.5	19.5	20.1	21.4	23.1	24.1
歷年/**01**	23.8	24.5	24.8	25.5	24.2	23.0	21.8	21.2	20.2	20.6	20.7	22.4	21.8	22.4	20.7	20.6	20.3	20.6	20.2	19.3	20.8	20.9	20.9	22.5
歷年/**02**	23.7	24.3	22.7	21.8	20.7	22.2	23.4	23.5	22.1	22.8	22.4	22.8	23.4	22.1	22.1	22.2	21.4	19.9	19.8	21.8	22.2	21.9	23.3	23.6
歷年/**03**	23.6	23.3	22.7	21.8	23.2	21.0	21.0	20.5	20.4	20.9	21.6	22.6	22.9	22.1	20.5	21.0	21.1	21.2	21.9	21.7	20.2	20.4	22.3	22.9
歷年/**04**	21.1	20.3	20.8	20.5	19.4	19.8	20.0	19.8	18.9	20.0	20.2	20.6	21.9	21.9	22.1	23.8	23.1	22.9	22.8	22.5	22.1	22.0	21.0	20.4
歷年/**05**	20.9	19.7	19.3	18.3	17.6	17.2	17.9	17.8	18.2	18.8	20.7	22.0	23.6	23.9	22.2	22.6	24.2	22.6	22.0	21.7	21.3	19.9	20.4	20.6
歷年/**06**	17.6	17.0	18.0	15.7	16.4	14.8	14.6	15.2	15.8	17.1	19.5	21.7	22.7	23.6	23.3	24.3	24.2	23.0	19.7	18.1	16.9	16.9	17.3	16.9
歷年/**07**	20.9	19.6	20.1	19.2	19.3	18.2	18.6	18.3	18.5	20.6	22.5	24.8	26.7	27.9	26.4	24.1	24.0	21.6	20.4	19.9	19.1	18.5	19.5	20.5
歷年/**08**	16.9	16.9	17.6	17.8	17.4	17.7	16.8	15.9	16.4	17.9	17.4	18.7	21.4	22.8	21.7	20.6	19.5	18.7	19.9	20.7	19.7	17.9	17.5	17.7
歷年/**09**	19.9	21.1	20.6	19.4	20.3	18.9	19.6	20.0	19.1	20.9	21.6	22.4	23.7	22.9	22.6	22.3	21.3	20.2	19.8	20.5	19.3	18.4	20.1	19.3
歷年/**10**	23.8	23.7	22.4	21.7	20.3	18.7	20.3	19.5	18.8	20.3	22.4	24.0	25.9	25.3	24.7	22.9	22.4	21.9	20.0	18.9	18.8	19.0	20.3	23.3
歷年/**11**	24.0	24.4	24.2	23.8	22.6	20.7	21.3	19.7	20.9	21.1	22.6	23.6	23.7	22.3	20.9	21.0	20.6	20.1	19.9	20.4	20.7	21.2	22.3	23.8
歷年/冬	24.1	24.7	24.2	24.3	22.8	22.1	22.2	22.0	21.2	21.7	22.4	23.2	23.2	23.1	21.6	21.4	21.0	20.5	20.2	20.2	21.0	21.4	22.4	23.4
歷年/春	21.9	21.2	21.0	20.3	20.1	19.5	19.7	19.4	19.2	20.0	20.8	21.7	22.8	22.6	21.6	22.4	22.7	22.2	22.3	22.0	21.2	20.8	21.3	21.3
歷年/夏	18.4	17.8	18.5	17.7	17.7	17.1	16.8	16.5	16.9	18.6	19.7	21.5	23.5	24.7	23.7	22.8	22.3	20.8	20.0	19.7	18.7	17.8	18.1	18.5
歷年/秋	22.6	23.1	22.4	21.7	21.2	19.5	20.4	19.8	19.7	20.8	22.2	23.3	24.4	23.4	22.6	22.0	21.4	20.7	19.9	20.0	19.7	19.6	21.0	22.1
歷年/年	21.7	21.7	21.5	20.9	20.4	19.5	19.7	19.3	19.2	20.2	21.3	22.4	23.5	23.4	22.4	22.2	21.9	21.0	20.6	20.5	20.1	19.9	20.6	21.3

單位: cm/s

表5.7.5a 蘇澳港2009年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12	63.0	69.9	70.1	57.5	42.5	49.7	35.5	32.0	34.3	32.3	36.9	38.0	32.9	32.5	33.3	35.8	35.5	38.8	39.8	40.2	43.5	42.8	47.5	60.2
2009/01	63.5	64.2	61.0	55.4	50.5	41.1	27.3	27.6	33.7	38.3	36.3	32.1	39.9	38.3	42.7	39.2	28.7	29.8	36.6	38.0	48.2	53.9	52.1	56.9
2009/02	39.5	73.5	51.7	37.0	40.6	43.5	45.1	31.8	35.2	25.5	43.7	45.8	43.0	39.0	32.9	32.7	45.9	41.3	28.9	54.4	35.5	51.0	60.8	57.3
2009/03	41.2	42.2	32.8	39.3	40.8	52.6	39.1	63.3	50.0	38.7	43.9	30.4	35.9	52.4	39.8	47.1	46.3	52.1	45.7	47.7	40.4	46.2	49.7	54.2
2009/04	37.6	31.4	26.7	26.1	20.7	65.5	44.2	47.4	37.4	37.8	37.2	45.2	44.5	46.2	44.6	45.3	58.9	52.2	58.4	58.3	40.1	35.9	36.7	43.6
2009/05	30.5	31.5	31.1	36.3	34.4	31.9	50.2	51.9	36.9	38.1	31.5	47.0	47.6	61.3	57.0	47.4	52.2	35.9	37.1	43.2	34.8	33.7	37.7	33.2
2009/06	62.4	38.2	29.7	27.1	28.3	29.1	27.1	18.7	40.3	29.6	26.9	46.7	40.6	32.5	40.0	38.2	36.2	37.9	39.3	38.1	18.9	34.5	27.5	26.6
2009/07	58.6	35.1	33.7	33.6	43.5	44.5	67.4	56.7	45.4	41.0	63.6	53.6	65.7	64.2	52.7	39.0	41.7	35.2	34.8	38.4	47.4	47.0	45.2	37.9
2009/08	54.6	40.8	41.5	69.3	73.3	59.7	62.2	48.3	71.9	83.8	81.6	102.7	105.8	98.6	90.2	67.4	48.1	37.0	42.7	47.0	40.7	40.0	30.1	26.6
2009/09	43.9	37.9	34.5	35.8	49.2	47.1	35.8	54.3	55.7	65.6	61.1	52.0	46.4	50.5	43.3	33.1	36.2	41.9	43.8	51.3	43.0	31.6	39.8	34.8
2009/10	108.0	94.2	75.5	53.2	44.6	44.2	50.0	40.4	51.8	52.6	65.7	60.8	75.5	97.5	99.2	61.4	67.5	50.0	60.8	56.6	33.4	65.2	89.4	92.3
2009/11	37.9	50.2	60.3	49.4	39.6	27.7	27.4	21.8	33.3	32.7	30.5	34.4	32.0	38.5	31.6	36.5	31.7	33.8	34.0	34.9	57.3	47.6	41.1	44.2
2009/冬	63.5	73.5	70.1	57.5	50.5	49.7	45.1	32.0	35.2	38.3	43.7	45.8	43.0	39.0	42.7	39.2	45.9	41.3	39.8	54.4	48.2	53.9	60.8	60.2
2009/春	41.2	42.2	32.8	39.3	40.8	65.5	50.2	63.3	50.0	38.7	43.9	47.0	47.6	61.3	57.0	47.4	58.9	52.2	58.4	58.3	40.4	46.2	49.7	54.2
2009/夏	62.4	40.8	41.5	69.3	73.3	59.7	67.4	56.7	71.9	83.8	81.6	102.7	105.8	98.6	90.2	67.4	48.1	37.9	42.7	47.0	47.4	47.0	45.2	37.9
2009/秋	108.0	94.2	75.5	53.2	49.2	47.1	50.0	54.3	55.7	65.6	65.7	60.8	75.5	97.5	99.2	61.4	67.5	50.0	60.8	56.6	57.3	65.2	89.4	92.3
2009/年	108.0	94.2	75.5	69.3	73.3	65.5	67.4	63.3	71.9	83.8	81.6	102.7	105.8	98.6	99.2	67.4	67.5	52.2	60.8	58.3	57.3	65.2	89.4	92.3

單位: cm/s

表5.7.5b 蘇澳港 歷年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/**12**	95.5	80.5	80.0	81.1	70.9	68.6	65.0	82.3	77.1	65.4	64.0	63.5	69.9	68.2	64.3	59.2	58.1	81.6	66.3	69.5	68.3	65.3	83.7	86.8
歷年/**01**	90.6	83.6	74.8	68.9	73.2	74.0	65.5	69.3	68.1	63.5	64.0	66.4	69.4	74.7	74.7	65.0	69.8	76.0	63.4	57.7	65.0	67.6	69.8	84.1
歷年/**02**	93.8	80.4	84.6	83.7	72.0	68.3	67.2	66.0	67.6	71.0	67.1	75.1	76.4	66.8	76.2	72.6	77.7	64.6	71.1	72.8	76.9	64.7	80.0	80.8
歷年/**03**	72.1	65.3	72.1	60.2	66.4	55.6	55.0	64.7	62.0	70.8	74.3	79.4	77.0	74.4	65.6	64.7	78.6	83.7	73.7	69.7	69.0	70.7	74.0	77.8
歷年/**04**	56.8	57.3	71.5	77.9	60.5	65.5	65.7	105.8	71.5	67.2	76.9	82.9	79.9	77.8	83.9	94.9	72.8	69.9	83.1	99.1	83.7	84.8	81.5	66.2
歷年/**05**	64.5	57.6	61.1	60.5	50.7	53.3	50.8	64.8	78.5	86.7	85.0	86.7	79.2	83.4	89.2	62.6	100.4	69.3	69.2	92.0	103.1	62.2	64.0	64.2
歷年/**06**	62.4	55.6	69.0	52.1	57.5	47.9	56.3	59.3	47.5	55.4	72.2	84.5	97.5	87.5	87.2	98.5	86.6	83.7	61.3	53.3	53.1	54.3	61.0	71.4
歷年/**07**	73.6	68.7	109.0	81.8	119.5	76.1	77.8	82.7	57.4	61.2	74.1	91.3	86.2	101.2	103.8	101.5	89.9	68.4	61.7	73.2	66.7	58.5	68.6	85.6
歷年/**08**	54.6	46.7	61.0	69.3	73.3	59.7	72.2	64.2	71.9	83.8	81.6	102.7	105.8	98.6	91.8	74.2	62.4	61.8	77.3	78.8	82.1	76.5	109.9	123.2
歷年/**09**	185.8	111.6	96.3	82.4	78.5	62.4	74.8	68.8	95.7	105.6	108.6	79.3	91.5	87.5	75.2	81.5	68.0	55.0	71.9	70.5	72.2	63.0	61.1	73.2
歷年/**10**	108.0	94.2	75.5	78.6	76.1	65.8	72.1	61.5	62.5	73.0	72.7	82.3	79.6	97.5	99.2	69.8	67.5	67.8	60.8	56.6	58.1	69.2	89.4	92.3
歷年/**11**	79.0	79.3	84.7	80.1	79.0	74.5	82.1	77.6	69.5	75.5	91.3	73.8	80.6	83.7	80.5	69.6	69.5	65.0	74.4	72.8	67.9	77.1	88.2	74.1
歷年/冬	95.5	83.6	84.6	83.7	73.2	74.0	67.2	82.3	77.1	71.0	67.1	75.1	76.4	74.7	76.2	72.6	77.7	81.6	71.1	72.8	76.9	67.6	83.7	86.8
歷年/春	72.1	65.3	72.1	77.9	66.4	65.5	65.7	105.8	78.5	86.7	85.0	86.7	79.9	83.4	89.2	94.9	100.4	83.7	83.1	99.1	103.1	84.8	81.5	77.8
歷年/夏	73.6	68.7	109.0	81.8	119.5	76.1	77.8	82.7	71.9	83.8	81.6	102.7	105.8	101.2	103.8	101.5	89.9	83.7	77.3	78.8	82.1	76.5	109.9	123.2
歷年/秋	185.8	111.6	96.3	82.4	79.0	74.5	82.1	77.6	95.7	105.6	108.6	82.3	91.5	97.5	99.2	81.5	69.5	67.8	74.4	72.8	72.2	77.1	89.4	92.3
歷年/年	185.8	111.6	109.0	83.7	119.5	76.1	82.1	105.8	95.7	105.6	108.6	102.7	105.8	101.2	103.8	101.5	100.4	83.7	83.1	99.1	103.1	84.8	109.9	123.2

單位: cm/s

表5.7.6a 2009年蘇澳港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12	17.	19.	25.	14.	23.	19.	15.	18.	17.	15.	20.	26.	25.	27.	28.	19.	20.	18.	18.	17.	14.	24.	17.	18.	23.	19.	16.	20.	13.	19.	22.
2009/01	23.	25.					41.	22.	23.	23.	22.	25.	28.	29.	25.	20.	23.	16.	23.	18.	17.	14.	22.	21.	23.	24.	23.	24.	18.	19.	22.
2009/02	23.	21.	20.	23.	15.	21.	21.	24.	23.	17.			21.	23.	15.	17.	20.	15.	18.	21.	16.	20.	12.	16.	16.	23.	23.	17.			
2009/03	24.	21.	17.	17.	11.	22.	19.	18.	27.	16.	21.	23.	19.	25.	16.	14.	18.	14.	9.	13.	9.	15.	15.	17.	22.	17.	19.	18.	22.	17.	18.
2009/04	21.	17.	16.	19.	12.	16.	14.	24.	17.	16.	17.	16.	14.	13.	19.	14.	14.	13.	22.	13.	11.	13.	11.	14.	17.	20.	14.	19.	25.	23.	
2009/05	16.	16.	17.	16.	13.	16.	15.	18.	25.	19.	14.	15.	19.	14.	16.	19.	10.	11.	13.	14.	14.	15.	24.	15.	12.	15.	18.	13.	15.	12.	15.
2009/06	15.	17.	8.	11.	12.	12.	13.	23.	17.	16.	12.	13.	9.	15.	10.	15.	10.	10.	15.												
2009/07	7.	11.	15.	12.	10.	18.	20.	16.	15.	24.	33.	19.	22.	19.	17.	12.	20.	22.	24.	20.	27.	21.	15.	15.	19.	18.	18.	15.	17.	14.	11.
2009/08	10.	17.	11.	17.	16.	31.	54.	28.	17.	10.	14.	12.	14.	17.	14.	14.	13.	11.	15.	17.	16.	25.	18.	16.	13.	14.	10.	11.	13.	12.	12.
2009/09	15.	17.	18.	20.	22.	18.	15.	18.	24.	15.	21.	19.	16.	28.	12.	16.	19.	17.	24.	19.	18.	22.	19.	19.	15.	15.	19.	18.	17.	15.	
2009/10	18.	22.	20.	22.	44.	42.	29.	24.	18.	23.	29.	23.	18.	26.	20.	18.	16.	16.	18.	28.	27.	22.	23.	26.	29.	23.	16.	15.	12.	12.	11.
2009/11	16.	19.	18.	19.	21.	14.	16.	19.	18.	9.	12.	11.	19.	16.	11.	17.	17.	18.	21.	21.	17.	22.	15.	15.	15.	17.	19.	20.	16.	19.	
2009/冬	21.	21.	22.	19.	19.	20.	21.	21.	21.	19.	21.	26.	25.	26.	23.	19.	21.	16.	20.	19.	16.	19.	17.	19.	21.	22.	21.	21.	15.	19.	22.
2009/春	20.	18.	17.	17.	12.	18.	16.	20.	23.	17.	17.	18.	17.	17.	17.	16.	14.	13.	15.	14.	12.	14.	17.	16.	17.	17.	17.	16.	20.	18.	17.
2009/夏	12.	15.	12.	13.	13.	20.	29.	22.	16.	17.	20.	15.	15.	17.	14.	14.	15.	14.	19.	19.	22.	23.	16.	16.	16.	16.	14.	13.	15.	13.	12.
2009/秋	16.	19.	19.	20.	29.	24.	20.	20.	20.	15.	21.	18.	18.	23.	14.	17.	18.	17.	21.	23.	20.	22.	19.	20.	20.	18.	18.	18.	15.	15.	11.
2009/年	18.	18.	17.	17.	18.	21.	22.	21.	20.	17.	20.	18.	19.	21.	17.	16.	17.	15.	19.	18.	17.	19.	17.	18.	19.	19.	18.	17.	17.	16.	16.

單位: cm/s

表5.7.6b　歷年蘇澳港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/12	20.	24.	22.	24.	26.	23.	23.	22.	23.	21.	24.	20.	24.	26.	25.	27.	22.	22.	20.	21.	22.	22.	21.	25.	23.	25.	21.	22.	19.	22.	22.
歷年/01	21.	22.	22.	21.	21.	23.	22.	21.	19.	19.	19.	20.	23.	21.	24.	19.	23.	22.	24.	23.	22.	25.	25.	22.	21.	20.	24.	21.	22.	24.	25.
歷年/02	21.	21.	22.	24.	19.	21.	22.	22.	22.	21.	22.	18.	22.	24.	23.	23.	20.	20.	24.	23.	23.	21.	22.	25.	22.	22.	25.	26.	27.		
歷年/03	23.	21.	20.	21.	20.	23.	23.	21.	24.	21.	21.	21.	22.	24.	23.	21.	22.	21.	22.	23.	18.	20.	20.	20.	23.	20.	22.	22.	23.	21.	24.
歷年/04	24.	19.	22.	22.	18.	20.	18.	19.	19.	18.	19.	19.	20.	23.	21.	21.	22.	22.	21.	21.	24.	19.	20.	21.	21.	23.	21.	27.	27.	23.	
歷年/05	20.	20.	22.	20.	21.	21.	21.	22.	26.	23.	23.	24.	22.	21.	24.	24.	20.	20.	22.	21.	21.	21.	21.	18.	18.	16.	18.	18.	17.	17.	19.
歷年/06	22.	19.	18.	16.	19.	15.	17.	20.	17.	19.	14.	17.	17.	16.	16.	18.	19.	16.	20.	23.	22.	19.	20.	18.	20.	21.	22.	19.	22.	22.	
歷年/07	23.	20.	22.	19.	21.	21.	22.	21.	19.	20.	22.	24.	22.	21.	21.	19.	23.	25.	21.	21.	25.	19.	19.	20.	19.	21.	21.	20.	24.	22.	18.
歷年/08	20.	22.	20.	19.	21.	19.	24.	20.	18.	19.	18.	16.	17.	19.	17.	17.	19.	19.	19.	18.	19.	18.	16.	17.	17.	15.	17.	18.	21.	17.	21.
歷年/09	19.	20.	19.	18.	18.	17.	17.	20.	22.	19.	22.	22.	21.	23.	19.	23.	22.	21.	22.	22.	17.	22.	24.	26.	22.	19.	22.	21.	23.	18.	
歷年/10	21.	22.	23.	23.	25.	26.	21.	19.	18.	19.	21.	22.	22.	22.	22.	19.	21.	24.	21.	26.	24.	18.	19.	21.	24.	23.	21.	20.	22.	22.	21.
歷年/11	21.	23.	24.	23.	24.	22.	20.	21.	24.	22.	23.	21.	25.	20.	18.	22.	20.	20.	25.	23.	21.	21.	20.	21.	19.	22.	22.	24.	23.	23.	
歷年/冬	21.	22.	22.	23.	22.	22.	22.	22.	21.	20.	21.	20.	23.	24.	24.	23.	22.	21.	23.	22.	22.	23.	23.	24.	22.	23.	23.	23.	21.	23.	23.
歷年/春	22.	20.	21.	21.	19.	22.	21.	21.	23.	20.	21.	21.	21.	23.	22.	22.	22.	21.	22.	22.	21.	20.	20.	20.	21.	20.	21.	23.	22.	21.	22.
歷年/夏	22.	21.	20.	18.	20.	18.	21.	20.	18.	19.	18.	19.	19.	19.	18.	18.	20.	20.	20.	20.	22.	19.	18.	18.	18.	19.	20.	19.	22.	20.	19.
歷年/秋	20.	21.	21.	21.	22.	21.	19.	20.	22.	20.	22.	22.	23.	21.	20.	22.	21.	22.	23.	24.	21.	20.	21.	22.	22.	21.	22.	22.	22.	21.	21.
歷年/年	21.	21.	21.	21.	21.	21.	21.	21.	21.	20.	21.	20.	21.	22.	21.	21.	21.	21.	22.	22.	21.	20.	21.	21.	21.	21.	21.	21.	22.	21.	21.

單位: cm/s

表5.7.7a 2009年蘇澳港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12	44.	44.	41.	23.	34.	31.	34.	33.	32.	33.	48.	44.	60.	63.	70.	50.	51.	34.	36.	34.	29.	43.	36.	41.	47.	43.	38.	50.	26.	51.	41.
2009/01	57.	48.					54.	50.	42.	50.	55.	48.	55.	49.	58.	46.	37.	27.	37.	43.	34.	29.	45.	57.	54.	55.	64.	64.	39.	42.	51.
2009/02	34.	39.	35.	38.	26.	61.	45.	57.	73.	43.			46.	43.	31.	31.	32.	35.	46.	40.	32.	45.	29.	32.	33.	42.	54.	35.			
2009/03	63.	45.	47.	29.	22.	53.	46.	54.	52.	41.	41.	52.	48.	40.	42.	29.	42.	44.	18.	27.	22.	29.	34.	46.	38.	40.	31.	39.	47.	34.	40.
2009/04	52.	36.	36.	40.	37.	44.	38.	47.	38.	38.	43.	44.	41.	35.	59.	36.	40.	26.	48.	26.	21.	37.	21.	38.	65.	46.	38.	45.	47.	58.	
2009/05	35.	30.	33.	35.	31.	26.	31.	34.	61.	42.	26.	33.	52.	37.	43.	34.	22.	23.	29.	51.	52.	26.	57.	34.	25.	34.	39.	28.	30.	24.	38.
2009/06	28.	62.	21.	18.	26.	21.	28.	40.	31.	29.	28.	35.	20.	32.	23.	47.	20.	22.	15.												
2009/07	14.	20.	40.	29.	22.	46.	43.	29.	32.	67.	66.	35.	64.	45.	25.	26.	37.	36.	59.	46.	66.	53.	32.	33.	42.	34.	43.	29.	27.	32.	29.
2009/08	20.	28.	30.	35.	40.	61.	106.	55.	44.	23.	32.	26.	36.	32.	27.	30.	30.	22.	43.	40.	41.	62.	33.	35.	22.	28.	21.	20.	23.	22.	20.
2009/09	29.	34.	45.	50.	45.	39.	30.	38.	51.	34.	42.	31.	32.	66.	23.	27.	37.	37.	49.	33.	48.	35.	40.	32.	29.	28.	54.	32.	37.	27.	
2009/10	53.	43.	39.	36.	92.	108.	76.	52.	46.	40.	52.	50.	31.	43.	56.	37.	46.	52.	56.	61.	64.	43.	68.	47.	49.	40.	28.	33.	21.	29.	19.
2009/11	32.	41.	40.	50.	60.	29.	33.	43.	38.	19.	24.	23.	35.	30.	26.	44.	33.	38.	43.	50.	35.	40.	35.	37.	34.	34.	48.	33.	40.	44.	
2009/冬	57.	48.	41.	38.	34.	61.	54.	57.	73.	50.	55.	48.	60.	63.	70.	50.	51.	35.	46.	43.	34.	45.	45.	57.	54.	55.	64.	64.	39.	51.	51.
2009/春	63.	45.	47.	40.	37.	53.	46.	54.	61.	42.	43.	52.	52.	40.	59.	36.	42.	44.	48.	51.	52.	37.	57.	46.	65.	46.	39.	45.	47.	58.	40.
2009/夏	28.	62.	40.	35.	40.	61.	106.	55.	44.	67.	66.	35.	64.	45.	27.	47.	37.	36.	59.	46.	66.	62.	33.	35.	42.	34.	43.	29.	27.	32.	29.
2009/秋	53.	43.	45.	50.	92.	108.	76.	52.	51.	40.	52.	50.	35.	66.	56.	44.	46.	52.	56.	61.	64.	43.	68.	47.	49.	40.	54.	33.	40.	44.	19.
2009/年	63.	62.	47.	50.	92.	108.	106.	57.	73.	67.	66.	52.	64.	66.	70.	50.	51.	52.	59.	61.	66.	62.	68.	57.	65.	55.	64.	64.	47.	58.	51.

單位: cm/s

表5.7.7b　歷年蘇澳港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/12	61.	75.	66.	82.	84.	62.	66.	70.	77.	78.	82.	50.	63.	72.	70.	74.	67.	69.	61.	67.	85.	73.	87.	95.	83.	74.	65.	81.	59.	69.	55.
歷年/01	65.	59.	68.	68.	73.	69.	65.	79.	58.	63.	55.	60.	71.	65.	72.	52.	67.	61.	84.	79.	66.	78.	91.	84.	83.	61.	84.	64.	73.	75.	76.
歷年/02	65.	59.	77.	71.	72.	66.	67.	72.	75.	72.	72.	65.	65.	71.	65.	63.	59.	65.	94.	85.	76.	65.	72.	79.	74.	81.	79.	78.	62.		
歷年/03	63.	65.	68.	60.	67.	63.	64.	60.	74.	68.	68.	68.	55.	74.	67.	78.	74.	74.	79.	84.	65.	61.	77.	59.	64.	60.	72.	79.	66.	64.	59.
歷年/04	72.	60.	83.	83.	80.	84.	75.	95.	67.	47.	72.	57.	66.	58.	63.	64.	70.	65.	69.	63.	99.	55.	74.	56.	65.	74.	70.	106.	78.	58.	
歷年/05	47.	80.	64.	103.	56.	56.	69.	100.	68.	78.	71.	69.	64.	87.	81.	79.	62.	82.	64.	61.	75.	87.	70.	67.	60.	55.	59.	89.	78.	58.	69.
歷年/06	71.	82.	56.	62.	98.	61.	82.	69.	61.	70.	52.	71.	58.	55.	48.	55.	66.	60.	82.	87.	72.	58.	75.	68.	70.	87.	65.	55.	74.	76.	
歷年/07	78.	73.	75.	104.	101.	73.	78.	62.	55.	67.	66.	82.	86.	69.	63.	79.	86.	120.	69.	67.	77.	67.	58.	68.	56.	59.	70.	94.	101.	91.	62.
歷年/08	92.	87.	79.	76.	66.	61.	106.	57.	47.	60.	64.	55.	65.	66.	48.	60.	77.	57.	65.	62.	68.	62.	58.	62.	57.	36.	79.	49.	74.	64.	123.
歷年/09	186.	75.	88.	56.	66.	54.	88.	70.	76.	96.	65.	69.	92.	81.	61.	72.	79.	79.	66.	67.	72.	79.	74.	106.	81.	109.	63.	59.	68.	74.	
歷年/10	53.	63.	59.	75.	92.	108.	80.	65.	60.	68.	52.	70.	59.	58.	70.	49.	68.	72.	69.	75.	71.	59.	80.	52.	73.	77.	76.	69.	71.	79.	66.
歷年/11	61.	60.	84.	76.	74.	79.	71.	68.	75.	79.	71.	73.	91.	55.	54.	72.	82.	72.	79.	88.	66.	76.	69.	85.	68.	84.	80.	81.	80.	67.	
歷年/冬	65.	75.	77.	82.	84.	69.	67.	79.	77.	78.	82.	65.	71.	72.	72.	74.	67.	69.	94.	85.	85.	78.	91.	95.	83.	81.	84.	81.	73.	75.	76.
歷年/春	72.	80.	83.	103.	80.	84.	75.	100.	74.	78.	72.	69.	66.	87.	81.	79.	74.	82.	79.	84.	99.	87.	77.	67.	65.	74.	72.	106.	78.	64.	69.
歷年/夏	92.	87.	79.	104.	101.	73.	106.	69.	61.	70.	66.	82.	86.	69.	63.	79.	86.	120.	82.	87.	77.	67.	75.	68.	70.	87.	79.	94.	101.	91.	123.
歷年/秋	186.	75.	88.	76.	92.	108.	88.	70.	76.	96.	71.	73.	92.	81.	70.	72.	82.	79.	79.	88.	72.	79.	80.	106.	81.	109.	80.	81.	80.	79.	66.
歷年/年	186.	87.	88.	104.	101.	108.	106.	100.	77.	96.	82.	82.	92.	87.	81.	79.	86.	120.	94.	88.	99.	87.	91.	106.	83.	109.	84.	106.	101.	91.	123.

單位: cm/s

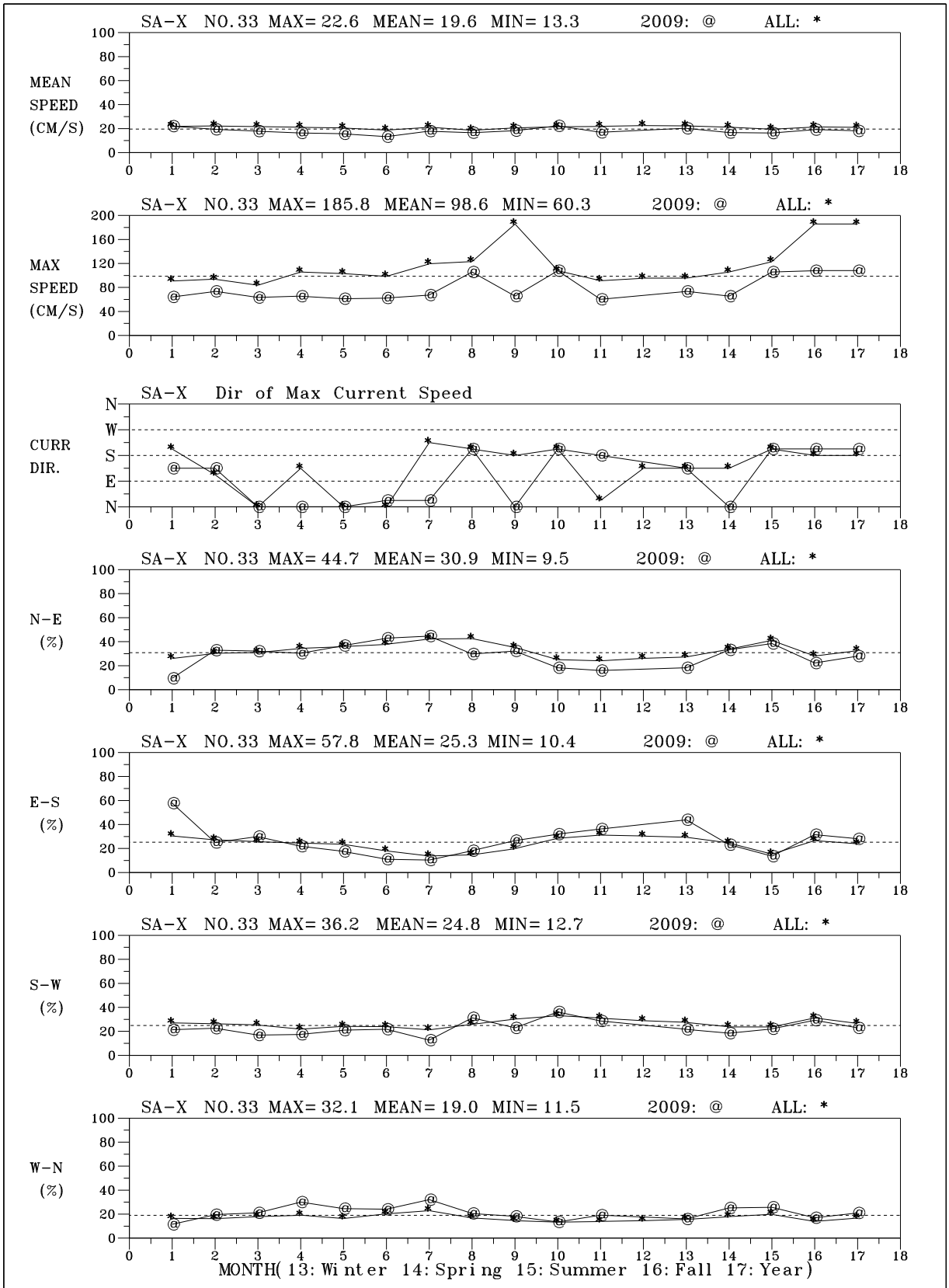


圖5.7.1 蘇澳港 A 站2009及歷年月季海流統計圖

C09XSAX0.ST2	Institute of Harbor & Marine Technology

PLQC2A1.BAT(PLQCU2A1.FOR) 2010. 10. 19

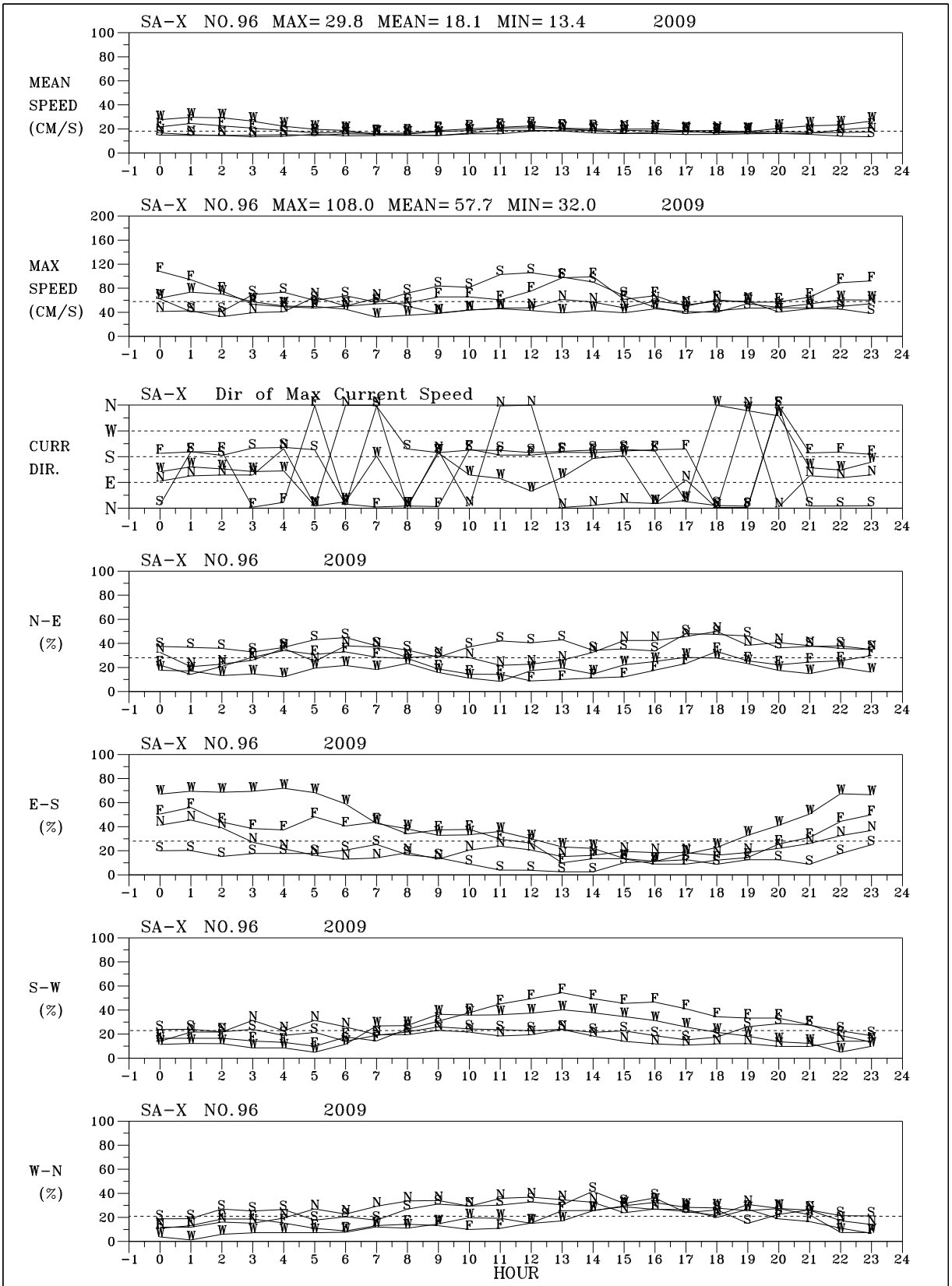


圖5.7.2 蘇澳港 A 站2009年四季24時海流統計圖

C090SAX0.1HA	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19

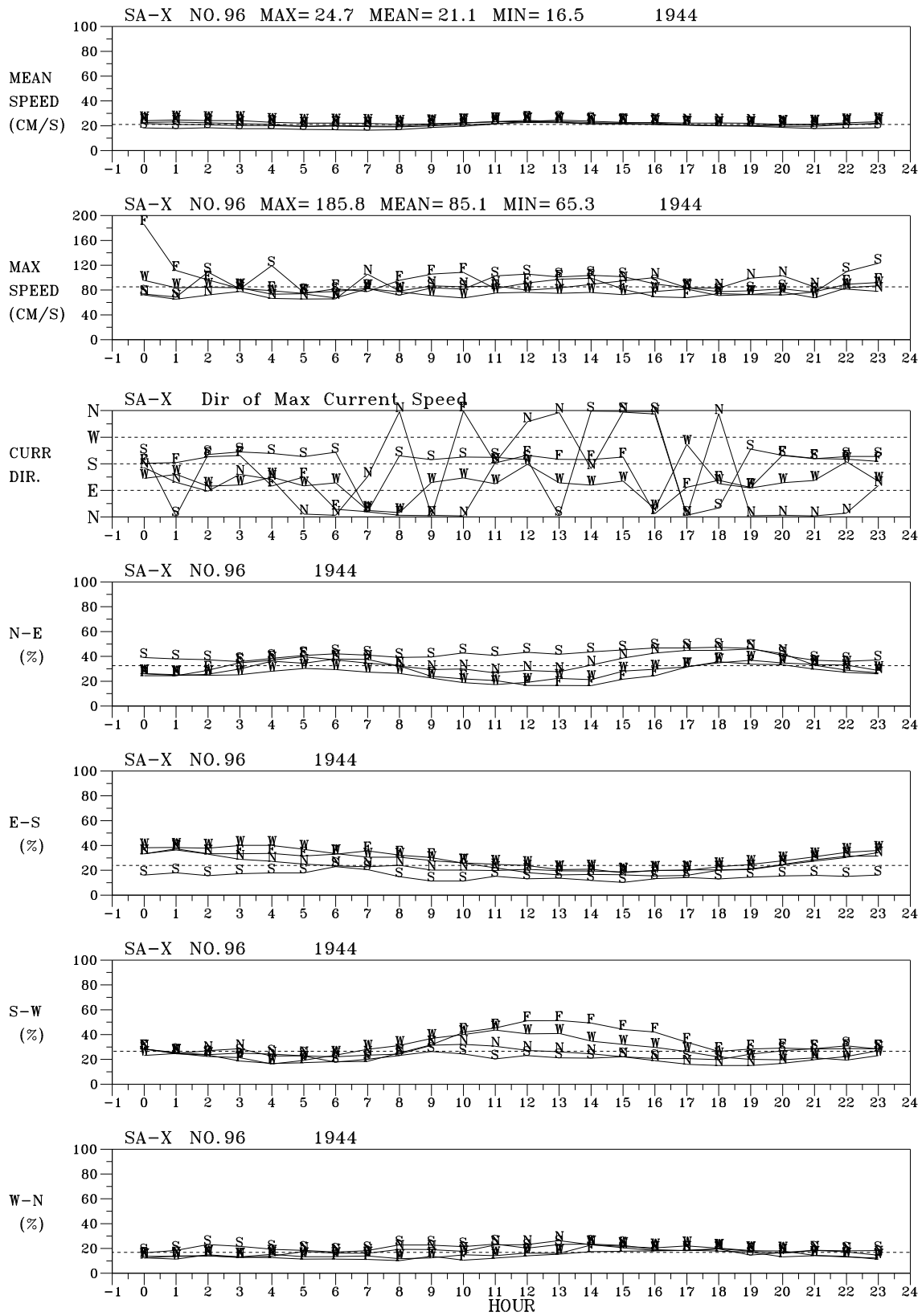


圖5.7.3 蘇澳港 A 站歷年四季24時海流統計量圖

C440SAX0.1HY	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19

5.8　2009年布袋港海流重要參數統計表及統計圖

表5.8.1a 2009年布袋港測站 X 觀測流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	2008/12	*	*	*									
2	2009/01	*	*	*									
3	**2009/02**	62(9%)	24.8	41.1 /SW	1.7 / SE	45.2	54.8	.0	.0	50.0	4.8	43.5	1.6
4	**2009/03**	744(100%)	20.4	57.6 /SSW	.9 /ESE	67.1	32.8	.1	.0	45.4	6.6	41.5	6.5
5	**2009/04**	720(100%)	18.2	48.5 /NE	2.2 /SSE	76.3	23.8	.0	.0	41.9	11.4	41.7	5.0
6	**2009/05**	744(100%)	18.7	48.0 /NNE	1.7 / E	72.2	27.8	.0	.0	42.7	11.7	37.2	8.3
7	**2009/06**	720(100%)	23.9	81.0 /NE	9.5 / N	55.1	41.7	3.2	.0	40.0	5.3	27.4	27.4
8	**2009/07**	491(66%)	27.2	79.8 /ENE	16.7 /NNW	47.0	47.3	5.7	.0	21.4	5.3	18.3	55.0
9	**2009/08**	151(20%)	21.6	60.2 /NE	2.7 /ENE	64.2	32.5	3.3	.0	37.7	12.6	39.7	9.9
10	**2009/09**	720(100%)	22.7	60.8 /N	.9 / SE	59.7	38.3	1.9	.0	43.6	10.6	38.1	7.8
11	**2009/10**	744(100%)	21.0	64.4 /SSW	3.1 / S	63.6	35.3	1.1	.0	42.2	9.9	39.7	8.2
12	**2009/11**	720(100%)	20.3	52.0 /NNE	2.0 /SSE	67.4	32.4	.3	.0	45.1	9.3	38.9	6.7
13	**2009**/冬	62(3%)	24.8	41.1 /SW	1.7 / SE	45.2	54.8	.0	.0	50.0	4.8	43.5	1.6
14	**2009**/春	2208(100%)	19.1	57.6 /SSW	1.3 / SE	71.8	28.2	.0	.0	43.4	9.9	40.1	6.6
15	**2009**/夏	1362(62%)	24.8	81.0 /NE	10.9 /NNW	53.2	42.7	4.1	.0	33.0	6.1	25.5	35.4
16	**2009**/秋	2184(100%)	21.3	64.4 /SSW	1.9 /SSE	63.6	35.3	1.1	.0	43.6	9.9	38.9	7.6
17	**2009**/年	5816(66%)	21.3	81.0 /NE	1.4 / N	64.1	34.5	1.4	.0	41.1	9.0	36.3	13.7

表5.8.1b 歷年布袋港測站 X 觀測流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	*	*	*									
2	歷年/02	62(9%)	24.8	41.1 /SW	1.7 / SE	45.2	54.8	.0	.0	50.0	4.8	43.5	1.6
3	歷年/03	1210(81%)	19.9	57.6 /SSW	.6 /SSE	68.9	30.9	.2	.0	44.0	6.9	42.3	6.7
4	歷年/04	1440(100%)	18.5	52.4 /SSW	5.6 /SSW	74.2	25.5	.3	.0	31.7	12.5	48.5	7.2
5	歷年/05	1488(100%)	19.4	78.2 /NNE	3.0 /SSE	70.1	29.4	.5	.0	35.2	19.0	37.9	7.9
6	歷年/06	1637(57%)	25.5	81.0 /NE	9.7 / N	52.7	41.9	5.4	.0	41.8	5.5	29.1	23.6
7	歷年/07	2333(78%)	27.0	105.4 /N	7.9 /NNW	49.9	42.2	7.8	.1	35.9	11.1	25.3	27.8
8	歷年/08	1398(63%)	26.7	124.9 /N	6.6 / N	53.8	36.5	9.4	.3	38.6	16.2	24.1	21.1
9	歷年/09	885(62%)	23.4	75.2 /N	1.2 /NNE	58.4	38.8	2.8	.0	43.7	9.9	35.5	10.8
10	歷年/10	1860(83%)	22.8	119.8 /SSW	2.8 /SSW	59.9	36.5	3.4	.1	40.2	10.2	40.1	9.5
11	歷年/11	2160(100%)	18.6	54.3 /SSW	2.1 / S	73.7	26.1	.2	.0	38.6	10.9	39.7	10.8
12	歷年/12	466(63%)	18.8	50.4 /NNE	1.8 / S	73.4	26.4	.2	.0	40.3	10.7	41.6	7.3
13	歷年/冬	528(37%)	19.5	50.4 /NNE	1.7 / S	70.1	29.7	.2	.0	41.5	10.0	41.9	6.6
14	歷年/春	4138(94%)	19.2	78.2 /NNE	3.0 / S	71.2	28.5	.3	.0	36.6	13.2	42.9	7.3
15	歷年/夏	5368(66%)	26.5	124.9 /N	8.1 / N	51.8	40.6	7.5	.1	38.4	10.7	26.1	24.8
16	歷年/秋	4905(84%)	21.1	119.8 /SSW	1.8 / S	65.7	32.3	1.9	.0	40.1	10.5	39.1	10.3
17	歷年/年	14939(76%)	22.5	124.9 /N	1.5 /NNW	62.4	34.1	3.4	.1	38.6	11.3	35.6	14.5

表5.8.1c 2009年布袋港測站 X 潮流流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	2008/12	*	*	*									
2	2009/01	*	*	*									
3	**2009/02**	62(9%)	23.0	38.1 /SSW	.3 /ESE	51.6	48.4	.0	.0	45.2	6.5	41.9	6.5
4	**2009/03**	744(100%)	18.2	41.9 /NNE	.0 / SW	74.6	25.4	.0	.0	44.0	6.0	44.2	5.8
5	**2009/04**	720(100%)	15.5	34.4 /SSW	.0 / S	86.4	13.6	.0	.0	45.1	5.8	44.3	4.7
6	**2009/05**	744(100%)	16.8	38.1 /SSW	.0 / S	80.4	19.6	.0	.0	44.5	4.7	45.2	5.6
7	**2009/06**	720(100%)	12.6	26.4 /SSW	.0 / SW	99.2	.8	.0	.0	44.2	5.6	44.4	5.8
8	**2009/07**	491(66%)	3.4	6.8 /NNE	.0 /WSW	100.0	.0	.0	.0	20.2	22.8	31.4	25.7
9	**2009/08**	151(20%)	16.5	36.8 /NE	.8 /WSW	84.1	15.9	.0	.0	44.4	2.0	47.7	6.0
10	**2009/09**	720(100%)	19.5	46.3 /SSW	.0 /NNE	72.4	27.6	.0	.0	44.2	5.3	43.8	6.8
11	**2009/10**	744(100%)	18.4	38.8 /NNE	.0 / E	72.8	27.2	.0	.0	44.8	5.5	44.0	5.8
12	**2009/11**	720(100%)	18.2	33.8 /SSW	.0 /NNE	73.8	26.3	.0	.0	43.6	6.8	43.2	6.4
13	**2009**/冬	62(3%)	23.0	38.1 /SSW	.3 /ESE	51.6	48.4	.0	.0	45.2	6.5	41.9	6.5
14	**2009**/春	2208(100%)	16.8	41.9 /NNE	.0 /SSW	80.4	19.6	.0	.0	44.5	5.5	44.6	5.4
15	**2009**/夏	1362(62%)	9.7	36.8 /NE	.1 /WSW	97.8	2.2	.0	.0	35.5	11.4	40.1	13.0
16	**2009**/秋	2184(100%)	18.7	46.3 /SSW	.0 / NE	73.0	27.0	.0	.0	44.2	5.9	43.6	6.3
17	**2009**/年	5816(66%)	15.9	46.3 /SSW	.0 / SW	81.4	18.6	.0	.0	42.3	7.0	43.1	7.5

表5.8.1d 歷年布袋港測站 X 潮流流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	*	*	*									
2	歷年/02	62(9%)	23.2	38.8 /NNE	.7 / S	53.2	46.8	.0	.0	45.2	4.8	46.8	3.2
3	歷年/03	1210(81%)	18.0	41.9 /NNE	.1 /SSW	74.5	25.5	.0	.0	44.2	5.6	44.6	5.5
4	歷年/04	1440(100%)	13.4	34.4 /SSW	.0 / S	93.2	6.8	.0	.0	40.7	8.5	41.3	9.5
5	歷年/05	1488(100%)	14.1	38.1 /SSW	.0 / N	90.2	9.8	.0	.0	41.1	7.1	43.0	8.7
6	歷年/06	1653(57%)	17.0	45.2 /NNE	.0 / NE	80.8	19.2	.0	.0	44.2	6.2	43.7	5.9
7	歷年/07	2543(86%)	14.9	47.8 /SSW	.0 / NW	82.0	18.0	.0	.0	36.5	10.8	40.0	12.7
8	歷年/08	1555(70%)	16.6	41.5 /NNE	.1 /WSW	81.6	18.4	.0	.0	39.9	10.7	38.6	10.9
9	歷年/09	1440(100%)	13.4	46.3 /SSW	.0 /NNW	86.2	13.8	.0	.0	43.5	7.3	42.1	7.2
10	歷年/10	1860(83%)	19.7	49.4 /SSW	.0 /ESE	68.7	31.3	.0	.0	44.3	5.6	44.4	5.6
11	歷年/11	2160(100%)	16.0	39.2 /NNE	.0 / SW	83.9	16.1	.0	.0	43.7	7.6	42.4	6.3
12	歷年/12	466(63%)	16.9	34.7 /SW	.2 /NNE	80.9	19.1	.0	.0	46.4	4.9	44.6	4.1
13	歷年/冬	528(37%)	17.7	38.8 /NNE	.1 /NNE	77.7	22.3	.0	.0	46.2	4.9	44.9	4.0
14	歷年/春	4138(94%)	15.0	41.9 /NNE	.0 /SSW	86.6	13.4	.0	.0	41.9	7.2	42.9	8.1
15	歷年/夏	5751(71%)	16.0	47.8 /SSW	.0 /WNW	81.6	18.4	.0	.0	39.6	9.4	40.7	10.2
16	歷年/秋	5460(94%)	16.6	49.4 /SSW	.0 /ESE	79.3	20.7	.0	.0	43.8	6.8	43.0	6.3
17	歷年/年	15877(80%)	16.0	49.4 /SSW	.0 /WSW	82.0	18.0	.0	.0	41.9	7.8	42.2	8.1

表5.8.1e 2009年布袋港測站 X 非潮流速及流向重要統計量統計表

序號	觀測 日期 (年/月)	觀測 點數 (NO)	平均 流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	2008/12	*	*	*									
2	2009/01	*	*	*									
3	**2009/02**	62(9%)	5.8	32.9 /N	1.4 / SE	98.4	1.6	.0	.0	32.3	38.7	29.0	.0
4	**2009/03**	744(100%)	7.8	66.4 /NNE	.9 /ESE	98.4	1.3	.3	.0	32.1	26.3	28.0	13.6
5	**2009/04**	720(100%)	9.3	47.3 /NNE	2.2 /SSE	98.6	1.4	.0	.0	27.1	31.9	30.6	10.4
6	**2009/05**	744(100%)	7.6	68.9 /NNE	1.7 / E	98.9	.9	.1	.0	33.6	29.8	19.6	16.9
7	**2009/06**	720(100%)	19.2	66.4 /N	9.5 / N	74.0	23.5	2.5	.0	38.2	8.5	20.3	33.1
8	**2009/07**	491(66%)	27.0	78.8 /N	16.6 /NNW	48.5	45.8	5.7	.0	20.2	5.7	18.1	56.0
9	**2009/08**	151(20%)	13.7	60.8 /ESE	3.6 /ENE	88.7	10.6	.7	.0	38.4	27.2	15.2	19.2
10	**2009/09**	720(100%)	11.1	89.8 /N	.9 / SE	96.7	3.2	.1	.0	29.9	25.3	28.9	16.0
11	**2009/10**	744(100%)	9.9	62.7 /N	3.1 / S	97.2	2.4	.4	.0	24.1	30.9	35.5	9.5
12	**2009/11**	720(100%)	8.7	54.2 /NNE	2.0 /SSE	97.4	2.5	.1	.0	30.6	29.6	32.2	7.6
13	**2009**/冬	62(3%)	5.8	32.9 /N	1.4 / SE	98.4	1.6	.0	.0	32.3	38.7	29.0	.0
14	**2009**/春	2208(100%)	8.2	68.9 /NNE	1.3 /ESE	98.6	1.2	.1	.0	31.0	29.3	26.0	13.7
15	**2009**/夏	1362(62%)	21.4	78.8 /N	10.9 /NNW	66.4	30.1	3.5	.0	31.7	9.5	18.9	39.8
16	**2009**/秋	2184(100%)	9.9	89.8 /N	1.9 /SSE	97.1	2.7	.2	.0	28.1	28.6	32.2	11.0
17	**2009**/年	5816(66%)	11.9	89.8 /N	1.5 / N	90.5	8.5	.9	.0	30.1	24.5	26.7	18.7

表5.8.1f 歷年布袋港測站 X 非潮流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25∼50 (%)	流速 50∼100 (%)	流速 >100 (%)	流向 N ∼E (%)	流向 E ∼S (%)	流向 S ∼W (%)	流向 W ∼N (%)
1	歷年/01	*	*	*									
2	歷年/02	62(9%)	5.7	29.9 /N	1.5 / E	98.4	1.6	.0	.0	35.5	30.6	27.4	6.5
3	歷年/03	1210(81%)	7.2	66.4 /NNE	.6 / SE	98.9	.9	.2	.0	30.4	25.0	30.0	14.6
4	歷年/04	1440(100%)	12.2	59.5 /N	5.6 /SSW	93.0	6.9	.1	.0	20.7	23.9	47.6	7.8
5	歷年/05	1488(100%)	12.1	68.9 /NNE	3.0 /SSE	90.5	9.3	.2	.0	29.0	29.7	28.0	13.2
6	歷年/06	1637(57%)	17.7	75.7 /WNW	9.7 / N	78.6	19.8	1.6	.0	37.4	8.0	16.3	38.2
7	歷年/07	2333(78%)	20.4	100.5 /N	7.9 /NNW	71.6	24.7	3.6	.0	33.0	14.6	15.8	36.6
8	歷年/08	1398(63%)	19.7	120.9 /N	6.3 / N	73.5	23.0	3.3	.3	36.0	19.6	16.0	28.4
9	歷年/09	885(62%)	12.5	89.8 /N	1.2 / NE	93.3	6.4	.2	.0	33.2	21.5	26.9	18.4
10	歷年/10	1860(83%)	11.0	96.6 /SSW	2.8 /SSW	94.2	4.5	1.2	.0	21.2	27.6	34.8	16.5
11	歷年/11	2160(100%)	9.2	54.2 /NNE	2.1 / S	98.1	1.9	.0	.0	25.0	29.0	33.3	12.7
12	歷年/12	466(63%)	8.7	46.6 /WSW	2.0 / S	98.9	1.1	.0	.0	20.8	30.3	31.3	17.6
13	歷年/冬	528(37%)	8.4	46.6 /WSW	1.8 / S	98.9	1.1	.0	.0	22.5	30.3	30.9	16.3
14	歷年/春	4138(94%)	10.7	68.9 /NNE	3.0 / S	93.8	6.0	.2	.0	26.5	26.3	35.4	11.7
15	歷年/夏	5368(66%)	19.4	120.9 /N	8.0 / N	74.2	22.8	2.9	.1	35.1	13.9	16.0	35.0
16	歷年/秋	4905(84%)	10.5	96.6 /SSW	1.8 / S	95.8	3.7	.5	.0	25.0	27.1	32.7	15.2
17	歷年/年	14939(76%)	13.7	120.9 /N	1.4 /NNW	87.6	11.1	1.3	.0	29.0	22.2	27.4	21.4

表5.8.1g 2009年布袋港測站 X48時平均流速及流向重要統計量統計表

序號	觀測日期 (年/月)	觀測點數 (NO)	平均流速 (cm/s)	最大流速 (流速/流向) (cm/s)/(去向)	平均流 (流速/流向) (cm/s)/(去向)	流速 <25 (%)	流速 25~50 (%)	流速 50~100 (%)	流速 >100 (%)	流向 N ~E (%)	流向 E ~S (%)	流向 S ~W (%)	流向 W ~N (%)
1	2008/12	*	*	*									
2	2009/01	*	*	*									
3	**2009/02**	15(2%)	1.6	2.0 /E	1.6 /ESE	100.0	.0	.0	.0	.0	100.0	.0	.0
4	**2009/03**	697(94%)	2.2	5.4 /NNE	.7 /ESE	100.0	.0	.0	.0	29.8	37.4	23.7	9.0
5	**2009/04**	673(94%)	3.8	7.8 /N	2.4 /SSE	100.0	.0	.0	.0	18.7	45.2	30.9	5.2
6	**2009/05**	697(94%)	2.5	6.6 /NNE	1.7 / E	100.0	.0	.0	.0	44.5	49.6	4.6	1.3
7	**2009/06**	673(94%)	10.4	22.2 /NNE	9.1 / N	99.9	.0	.0	.0	37.6	7.9	2.5	51.9
8	**2009/07**	444(60%)	18.1	25.3 /NW	17.4 /NNW	99.5	.5	.0	.0	7.0	.0	.0	93.0
9	**2009/08**	104(14%)	4.6	8.8 /NNE	3.6 / E	100.0	.0	.0	.0	44.2	55.8	.0	.0
10	**2009/09**	673(94%)	3.4	9.1 /N	1.2 /SSE	100.0	.0	.0	.0	15.6	49.3	15.0	20.1
11	**2009/10**	697(94%)	3.9	10.6 /SSW	3.1 / S	100.0	.0	.0	.0	14.2	47.2	35.9	2.7
12	**2009/11**	673(94%)	3.4	8.7 /S	2.0 /SSE	100.0	.0	.0	.0	19.6	41.9	30.6	7.9
13	**2009**/冬	15(1%)	1.6	2.0 /E	1.6 /ESE	100.0	.0	.0	.0	.0	100.0	.0	.0
14	**2009**/春	2067(94%)	2.8	7.8 /N	1.3 / SE	100.0	.0	.0	.0	31.2	44.1	19.6	5.2
15	**2009**/夏	1221(55%)	12.7	25.3 /NW	11.1 /NNW	99.8	.2	.0	.0	27.0	9.1	1.4	62.4
16	**2009**/秋	2043(94%)	3.6	10.6 /SSW	2.1 /SSE	100.0	.0	.0	.0	16.4	46.2	27.3	10.1
17	**2009**/年	5346(61%)	5.4	25.3 /NW	1.3 / N	99.9	.0	.0	.0	24.5	37.0	18.3	20.1

表5.8.2 2009年及歷年布袋港測站 X 觀測流速分佈百分比 (%) 統計表

流速 (cm/s) 年、月	0 ～ 5	5 ～ 10	10 ～ 15	15 ～ 20	20 ～ 25	25 ～ 30	30 ～ 35	35 ～ 40	40 ～ 45	45 ～ 50	50 ～ 60	60 ～ 80	80 ～ 100	100～ 120	120～ 150	150 <	合計 (%)
2008/12																	
2009/01																	
2009/02	.0	3.2	17.7	11.3	12.9	21.0	19.4	12.9	1.6	.0	.0	.0	.0	.0	.0	.0	100.
2009/03	5.2	10.5	16.5	17.6	17.2	12.5	13.4	5.8	.9	.1	.1	.0	.0	.0	.0	.0	100.
2009/04	6.3	16.0	18.8	18.6	16.7	10.4	7.9	4.3	.7	.4	.0	.0	.0	.0	.0	.0	100.
2009/05	6.6	15.2	16.9	16.0	17.5	14.2	8.6	4.0	.8	.1	.0	.0	.0	.0	.0	.0	100.
2009/06	3.2	8.6	14.0	16.3	13.1	16.4	10.1	9.0	4.3	1.8	2.2	.8	.1	.0	.0	.0	100.
2009/07	2.4	5.5	10.0	14.9	14.3	15.9	13.0	7.7	5.5	5.1	3.9	1.8	.0	.0	.0	.0	100.
2009/08	4.6	13.9	13.2	25.8	6.6	12.6	7.9	6.6	4.6	.7	2.6	.7	.0	.0	.0	.0	100.
2009/09	4.2	11.0	14.6	14.7	15.3	14.3	9.6	9.0	3.5	1.9	1.8	.1	.0	.0	.0	.0	100.
2009/10	6.3	13.0	16.0	15.7	12.5	14.2	9.5	6.5	2.6	2.6	.9	.1	.0	.0	.0	.0	100.
2009/11	4.9	12.1	18.1	14.7	17.6	14.0	10.4	5.0	2.2	.7	.3	.0	.0	.0	.0	.0	100.
2009/冬	.0	3.2	17.7	11.3	12.9	21.0	19.4	12.9	1.6	.0	.0	.0	.0	.0	.0	.0	100.
2009/春	6.0	13.9	17.4	17.4	17.1	12.4	10.0	4.7	.8	.2	.0	.0	.0	.0	.0	.0	100.
2009/夏	3.1	8.1	12.5	16.8	12.8	15.8	10.9	8.3	4.8	2.9	2.9	1.2	.1	.0	.0	.0	100.
2009/秋	5.1	12.0	16.2	15.1	15.1	14.2	9.8	6.8	2.7	1.7	1.0	.1	.0	.0	.0	.0	100.
2009/年	4.9	11.7	15.8	16.3	15.3	14.0	10.3	6.4	2.5	1.4	1.1	.3	.0	.0	.0	.0	100.
歷年/**01**																	
歷年/**02**	.0	3.2	17.7	11.3	12.9	21.0	19.4	12.9	1.6	.0	.0	.0	.0	.0	.0	.0	100.
歷年/**03**	5.7	12.0	16.5	18.3	16.4	12.3	12.1	5.6	.7	.1	.2	.0	.0	.0	.0	.0	100.
歷年/**04**	7.1	15.6	18.1	17.3	16.2	11.4	8.5	3.7	1.2	.7	.3	.0	.0	.0	.0	.0	100.
歷年/**05**	6.4	15.0	16.3	15.7	16.7	13.7	8.8	4.2	1.9	.7	.4	.1	.0	.0	.0	.0	100.
歷年/**06**	2.9	8.3	12.3	15.0	14.2	13.9	10.8	8.5	5.7	3.1	3.7	1.5	.1	.0	.0	.0	100.
歷年/**07**	3.3	8.3	12.2	13.5	12.5	12.8	10.6	7.8	6.1	4.9	4.4	3.0	.3	.1	.0	.0	100.
歷年/**08**	3.8	9.9	12.9	14.7	12.5	11.4	9.6	7.4	5.4	2.7	5.0	3.6	.8	.1	.1	.0	100.
歷年/**09**	4.1	10.1	14.0	14.8	15.5	13.7	9.5	9.3	3.6	2.7	2.5	.3	.0	.0	.0	.0	100.
歷年/**10**	5.3	12.3	13.8	15.5	13.0	13.7	9.7	6.1	3.9	3.0	2.4	.9	.2	.1	.0	.0	100.
歷年/**11**	5.4	16.7	18.8	17.1	15.7	12.6	7.5	3.6	1.8	.6	.2	.0	.0	.0	.0	.0	100.
歷年/**12**	8.6	14.4	16.3	15.9	18.2	10.9	8.8	4.9	1.3	.4	.2	.0	.0	.0	.0	.0	100.
歷年/冬	7.6	13.1	16.5	15.3	17.6	12.1	10.0	5.9	1.3	.4	.2	.0	.0	.0	.0	.0	100.
歷年/春	6.4	14.3	17.0	17.0	16.4	12.5	9.7	4.4	1.3	.5	.3	.0	.0	.0	.0	.0	100.
歷年/夏	3.3	8.7	12.4	14.3	13.0	12.8	10.4	7.9	5.8	3.8	4.4	2.7	.4	.1	.0	.0	100.
歷年/秋	5.1	13.8	16.0	16.1	14.6	13.2	8.7	5.6	2.9	1.9	1.4	.4	.1	.0	.0	.0	100.
歷年/年	4.9	12.1	15.0	15.7	14.7	12.8	9.6	6.1	3.4	2.1	2.1	1.1	.2	.0	.0	.0	100.

表5.8.3 2009年及歷年布袋港測站 X 觀測流向分佈百分比 (%) 統計表

流向 年、月	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	合計 (%)
2008/12																	
2009/01																	
2009/02	4.8	30.6	11.3	4.8	.0	1.6	.0	.0	8.1	29.0	6.5	3.2	.0	.0	.0	.0	100.
2009/03	7.0	22.3	14.1	3.5	.8	1.1	1.3	2.6	7.0	23.7	8.3	3.4	1.1	1.3	.9	1.6	100.
2009/04	5.1	14.4	16.4	5.8	2.1	2.2	1.9	3.6	9.0	22.4	7.6	4.2	1.8	1.1	1.1	1.1	100.
2009/05	6.5	20.0	12.9	5.1	2.2	2.2	1.7	3.6	7.0	23.3	7.4	1.9	1.3	1.6	1.7	1.6	100.
2009/06	12.4	18.3	8.8	3.2	1.9	1.4	.8	1.3	3.5	11.3	7.2	4.0	4.6	5.8	6.8	8.8	100.
2009/07	16.9	6.5	3.5	2.6	2.2	.6	1.0	1.4	3.1	3.1	4.7	5.7	7.1	10.6	10.8	20.2	100.
2009/08	3.3	6.6	15.2	11.3	4.6	3.3	2.6	2.6	3.3	13.2	9.9	9.9	7.3	.7	3.3	2.6	100.
2009/09	5.0	19.9	13.2	4.9	3.2	2.2	1.7	3.2	6.1	21.1	6.5	4.4	3.2	2.6	.8	1.9	100.
2009/10	5.5	16.8	14.0	5.4	3.1	2.0	1.6	2.7	9.3	25.7	3.8	2.4	1.9	3.1	1.2	1.6	100.
2009/11	4.4	18.3	16.9	4.4	2.4	1.7	1.8	2.6	8.2	26.0	4.7	1.5	1.9	1.9	1.5	1.5	100.
2009/冬	4.8	30.6	11.3	4.8	.0	1.6	.0	.0	8.1	29.0	6.5	3.2	.0	.0	.0	.0	100.
2009/春	6.2	19.0	14.4	4.8	1.7	1.8	1.7	3.3	7.7	23.1	7.8	3.1	1.4	1.4	1.3	1.4	100.
2009/夏	13.0	12.8	7.6	3.9	2.3	1.3	1.1	1.5	3.3	8.5	6.6	5.3	5.8	7.0	7.9	12.2	100.
2009/秋	5.0	18.3	14.7	4.9	2.9	2.0	1.7	2.8	7.9	24.3	5.0	2.8	2.3	2.6	1.2	1.7	100.
2009/年	7.3	17.4	12.9	4.6	2.3	1.8	1.5	2.6	6.7	20.2	6.4	3.5	2.8	3.1	2.8	4.0	100.
歷年/**01**																	
歷年/**02**	4.8	30.6	11.3	4.8	.0	1.6	.0	.0	8.1	29.0	6.5	3.2	.0	.0	.0	.0	100.
歷年/**03**	7.5	23.5	11.7	3.0	1.0	1.1	1.3	2.3	6.9	25.0	8.7	2.9	1.5	1.2	.7	1.7	100.
歷年/**04**	6.0	11.6	10.5	4.0	1.3	1.8	2.5	3.8	11.5	24.8	10.3	4.7	2.4	1.5	1.7	1.7	100.
歷年/**05**	5.9	15.8	9.7	4.7	2.1	2.5	3.0	6.7	11.8	21.2	7.7	2.4	1.5	1.6	1.5	1.9	100.
歷年/**06**	13.6	22.1	6.8	2.4	1.5	1.2	.9	1.4	3.4	10.6	8.8	5.5	4.5	5.4	5.2	6.7	100.
歷年/**07**	13.7	15.5	6.9	4.7	2.1	2.0	2.1	3.3	5.9	9.0	6.4	4.5	4.4	5.3	5.2	9.0	100.
歷年/**08**	11.7	15.7	8.1	5.4	3.3	3.3	2.8	4.9	6.7	8.9	4.9	4.8	4.1	3.9	5.7	5.7	100.
歷年/**09**	6.6	19.8	12.8	4.9	3.3	2.0	1.8	2.8	5.6	19.7	6.3	3.7	3.1	3.3	1.8	2.6	100.
歷年/**10**	6.9	18.8	11.1	3.8	2.4	2.0	1.3	2.8	9.5	24.1	5.0	3.3	2.0	2.6	2.1	2.3	100.
歷年/**11**	6.7	15.6	13.4	3.7	1.9	1.8	2.2	3.8	9.4	21.2	6.2	3.7	3.5	2.8	2.0	2.3	100.
歷年/**12**	9.4	15.9	12.2	4.5	.9	2.1	1.5	2.4	13.9	15.2	10.3	4.1	3.4	.4	1.3	2.4	100.
歷年/冬	8.9	17.6	12.1	4.5	.8	2.1	1.3	2.1	13.3	16.9	9.8	4.0	3.0	.4	1.1	2.1	100.
歷年/春	6.4	16.6	10.6	4.0	1.5	1.8	2.3	4.4	10.3	23.6	8.9	3.3	1.8	1.4	1.3	1.7	100.
歷年/夏	13.2	17.5	7.2	4.2	2.2	2.1	1.9	3.1	5.3	9.5	6.8	4.9	4.4	4.9	5.3	7.5	100.
歷年/秋	6.7	17.6	12.4	4.0	2.3	1.9	1.8	3.2	8.7	22.0	5.8	3.5	2.8	2.8	2.0	2.3	100.
歷年/年	9.0	17.3	10.0	4.1	2.0	2.0	2.0	3.5	8.1	17.7	7.1	4.0	3.1	3.1	3.0	4.0	100.

表5.8.4a 布袋港2009年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12																								
2009/01																								
2009/02	13.6	27.0	34.3	36.7	28.0	14.8	15.8	26.2	27.1	32.9	24.1	12.1	18.5	33.0	35.8	36.7	25.7	14.4	10.1	18.9	30.2	31.7	30.1	19.8
2009/03	22.0	23.0	22.6	21.5	20.8	18.6	18.3	21.0	19.1	20.0	17.1	19.0	21.6	22.1	23.4	20.4	18.5	18.7	19.9	20.7	21.6	19.4	19.1	22.3
2009/04	19.6	19.6	18.3	17.2	15.6	13.5	16.6	16.3	15.4	14.9	18.7	19.5	20.1	19.8	20.2	18.9	19.8	19.4	19.9	19.4	17.4	18.0	19.2	19.4
2009/05	17.7	17.7	18.0	16.8	15.9	15.1	16.4	17.0	14.8	15.1	17.8	20.1	23.6	23.5	21.2	18.6	19.8	21.3	21.1	21.6	20.1	18.9	18.6	18.4
2009/06	21.2	23.3	22.2	23.0	23.0	23.2	26.7	24.1	23.3	25.7	23.1	23.2	24.2	22.4	26.2	29.4	26.8	24.2	22.8	25.9	21.2	23.4	23.6	21.6
2009/07	21.3	27.6	29.4	26.2	26.4	28.4	22.9	28.0	25.2	30.2	29.6	26.6	33.4	27.8	24.3	32.5	27.0	26.5	33.4	24.9	23.9	22.7	23.0	31.7
2009/08	15.9	22.9	15.9	21.9	23.7	27.2	16.5	18.6	15.3	18.8	15.9	24.5	31.1	36.3	30.0	26.8	25.3	25.4	21.3	15.8	20.4	16.2	17.0	19.1
2009/09	19.9	21.0	21.9	20.6	21.1	21.4	22.5	22.3	21.2	21.4	23.4	26.3	32.2	30.2	28.6	25.8	22.5	21.8	22.9	20.7	21.2	18.9	16.6	19.5
2009/10	23.0	22.6	18.9	20.2	18.1	19.9	18.7	18.6	18.4	21.2	23.5	27.6	26.4	27.7	22.8	19.8	19.7	20.3	19.9	20.3	17.5	18.0	19.5	21.1
2009/11	23.1	17.7	19.2	20.8	20.1	19.6	19.9	20.3	20.5	22.0	24.2	22.3	22.7	20.3	19.7	19.7	19.6	19.8	20.4	19.7	18.7	18.5	18.6	21.1
2009/冬	13.6	27.0	34.3	36.7	28.0	14.8	15.8	26.2	27.1	32.9	24.1	12.1	18.5	33.0	35.8	36.7	25.7	14.4	10.1	18.9	30.2	31.7	30.1	19.8
2009/春	19.7	20.1	19.6	18.5	17.5	15.7	17.1	18.1	16.4	16.7	17.8	19.5	21.8	21.8	21.6	19.3	19.3	19.8	20.3	20.6	19.7	18.8	18.9	20.0
2009/夏	20.7	24.9	24.2	24.1	24.3	25.5	24.2	25.0	23.1	26.6	24.7	24.5	28.2	25.8	25.9	30.2	26.7	25.1	26.3	24.3	22.1	22.3	22.5	24.8
2009/秋	22.0	20.5	20.0	20.5	19.7	20.3	20.3	20.4	20.0	21.6	23.7	25.4	27.1	26.1	23.7	21.7	20.6	20.6	21.0	20.2	19.1	18.5	18.3	20.6
2009/年	20.8	21.4	20.9	20.7	20.0	19.7	20.0	20.7	19.4	21.0	21.7	22.8	25.2	24.5	23.6	23.0	21.6	21.3	21.9	21.3	20.2	19.6	19.7	21.4

單位: cm/s

表5.8.4b 布袋港 歷年測站 X 逐時流速平均值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/12	18.7	18.1	19.3	18.8	19.4	21.5	22.2	18.0	18.4	18.9	19.4	17.8	20.2	17.4	18.1	19.1	19.4	19.6	17.7	18.0	15.9	19.0	17.7	19.0
歷年/01																								
歷年/02	13.6	27.0	34.3	36.7	28.0	14.8	15.8	26.2	27.1	32.9	24.1	12.1	18.5	33.0	35.8	36.7	25.7	14.4	10.1	18.9	30.2	31.7	30.1	19.8
歷年/03	21.5	21.8	21.4	20.0	19.5	18.7	18.1	20.5	18.8	18.4	17.7	18.7	21.1	21.4	22.1	20.6	18.9	19.1	19.1	20.6	20.1	18.9	18.6	21.2
歷年/04	18.6	18.9	18.9	18.5	16.8	15.5	17.9	17.6	16.1	15.6	18.3	19.3	20.3	20.4	19.3	19.4	19.6	19.5	20.2	20.4	18.6	17.9	18.0	18.0
歷年/05	19.8	19.5	18.3	16.9	16.7	15.2	15.2	15.8	16.5	16.8	20.0	23.3	25.1	23.7	21.6	19.5	20.4	20.5	19.3	19.2	19.7	20.9	20.4	22.1
歷年/06	23.1	22.8	22.8	23.5	24.9	24.3	26.9	24.8	24.5	24.5	22.0	24.4	26.8	27.5	28.4	30.1	30.0	26.9	26.6	27.2	25.0	25.5	25.2	23.8
歷年/07	26.5	26.2	25.8	24.3	24.0	25.6	24.3	24.6	23.4	26.1	27.9	28.2	30.1	30.9	31.4	31.6	26.7	27.0	29.3	25.8	27.3	27.0	26.4	28.8
歷年/08	24.2	25.8	22.0	23.5	25.8	29.0	28.4	26.4	27.6	25.7	27.4	26.5	29.5	29.0	28.7	29.4	24.9	26.2	27.1	28.3	29.4	26.4	26.0	24.3
歷年/09	20.3	21.3	22.1	21.3	21.3	21.6	22.5	24.1	23.7	24.1	24.7	26.8	30.5	29.4	29.1	26.9	23.1	20.9	22.1	22.8	22.5	22.1	19.4	20.4
歷年/10	23.0	24.0	23.8	23.0	21.5	21.1	20.6	22.2	22.3	22.5	23.0	25.8	26.6	28.1	25.8	23.7	22.0	21.4	21.2	21.6	20.8	20.7	20.8	22.1
歷年/11	19.1	17.0	18.4	18.0	18.7	17.7	18.1	18.7	18.8	18.9	18.9	19.1	20.5	20.6	20.1	19.8	19.0	19.1	18.6	17.8	16.7	17.1	17.4	18.6
歷年/冬	18.2	18.9	20.7	20.4	20.2	20.9	21.6	18.7	19.2	20.1	20.1	17.0	20.0	19.6	20.5	21.5	20.3	18.8	16.7	18.1	17.8	20.7	19.4	19.1
歷年/春	19.9	20.0	19.4	18.4	17.5	16.3	17.0	17.8	17.0	16.8	18.8	20.6	22.3	21.9	20.9	19.8	19.7	19.7	19.5	20.0	19.4	19.3	19.0	20.4
歷年/夏	24.9	25.1	23.8	23.9	24.8	26.1	26.1	25.1	24.9	25.5	25.9	26.6	29.0	29.3	29.8	30.6	27.3	26.8	27.9	26.9	27.1	26.4	25.9	26.0
歷年/秋	20.8	20.4	21.1	20.5	20.3	19.7	19.8	21.0	21.0	21.2	21.5	23.1	24.6	25.0	23.9	22.5	20.9	20.3	20.2	20.2	19.3	19.3	19.0	20.3
歷年/年	21.9	21.9	21.6	21.1	21.1	21.1	21.4	21.5	21.3	21.5	22.3	23.4	25.4	25.5	25.0	24.6	22.8	22.4	22.7	22.5	22.1	21.9	21.5	22.3

單位: cm/s

表5.8.5a 布袋港2009年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
2008/12																								
2009/01																								
2009/02	17.0	29.1	36.0	41.1	32.9	15.7	18.3	29.5	28.5	34.8	34.6	17.8	21.6	37.4	39.8	38.2	30.0	18.5	13.7	22.1	33.3	33.9	31.7	27.8
2009/03	38.5	38.6	37.3	37.4	41.4	34.8	37.2	45.1	35.1	36.8	34.1	33.7	37.7	41.4	41.9	41.9	40.7	39.3	37.3	34.8	57.6	38.5	37.2	42.4
2009/04	38.4	47.7	38.6	37.5	33.8	28.5	30.2	40.0	35.3	30.3	36.4	33.0	46.4	42.7	41.5	37.8	37.6	37.6	32.8	48.5	40.6	36.8	36.9	36.1
2009/05	37.4	32.0	33.7	29.0	33.5	34.8	40.3	48.0	33.5	36.3	38.6	40.1	38.1	41.6	41.1	39.7	34.6	34.7	38.8	42.2	38.6	36.1	36.4	37.6
2009/06	41.7	56.7	43.2	42.7	66.3	67.8	81.0	62.0	78.2	55.2	52.2	55.6	58.1	42.8	65.7	70.9	55.4	49.6	44.0	56.6	46.9	47.6	54.4	40.8
2009/07	54.5	49.8	65.2	45.0	44.0	68.6	42.5	48.0	49.3	66.9	58.1	48.6	68.8	49.9	54.5	72.2	50.9	54.0	79.8	78.6	49.8	44.6	43.9	63.6
2009/08	34.7	39.9	29.0	46.1	42.5	50.4	25.2	37.3	21.4	51.0	24.0	42.9	60.2	43.0	53.9	39.5	43.7	39.1	37.7	22.8	32.4	32.1	26.6	37.8
2009/09	39.5	40.8	40.8	45.9	45.6	41.8	45.9	43.4	44.7	57.9	39.6	50.6	58.9	54.3	52.8	54.2	52.2	39.5	38.3	60.8	45.3	37.2	38.1	39.6
2009/10	64.4	50.7	44.3	45.1	50.4	40.7	32.3	41.5	39.4	46.1	49.6	56.2	59.2	54.0	48.6	42.7	34.3	44.2	38.2	38.7	36.5	37.2	42.3	47.2
2009/11	50.1	37.0	39.7	43.6	37.4	39.2	39.4	38.3	39.3	42.5	43.5	44.0	46.4	48.1	40.3	44.7	52.0	37.2	39.8	36.1	35.5	35.6	36.8	43.2
2009/冬	17.0	29.1	36.0	41.1	32.9	15.7	18.3	29.5	28.5	34.8	34.6	17.8	21.6	37.4	39.8	38.2	30.0	18.5	13.7	22.1	33.3	33.9	31.7	27.8
2009/春	38.5	47.7	38.6	37.5	41.4	34.8	40.3	48.0	35.3	36.8	38.6	40.1	46.4	42.7	41.9	41.9	40.7	39.3	38.8	48.5	57.6	38.5	37.2	42.4
2009/夏	54.5	56.7	65.2	46.1	66.3	68.6	81.0	62.0	78.2	66.9	58.1	55.6	68.8	49.9	65.7	72.2	55.4	54.0	79.8	78.6	49.8	47.6	54.4	63.6
2009/秋	64.4	50.7	44.3	45.9	50.4	41.8	45.9	43.4	44.7	57.9	49.6	56.2	59.2	54.3	52.8	54.2	52.2	44.2	39.8	60.8	45.3	37.2	42.3	47.2
2009/年	64.4	56.7	65.2	46.1	66.3	68.6	81.0	62.0	78.2	66.9	58.1	56.2	68.8	54.3	65.7	72.2	55.4	54.0	79.8	78.6	57.6	47.6	54.4	63.6

單位: cm/s

表5.8.5b 布袋港 歷年測站 X 逐時流速最大值統計表

時 年、月	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
歷年/12	38.3	46.2	40.0	35.3	33.0	40.5	38.6	36.0	50.4	37.4	40.4	31.7	46.9	43.4	38.7	37.6	33.5	31.9	34.7	38.7	26.0	33.7	41.0	33.6
歷年/01																								
歷年/02	17.0	29.1	36.0	41.1	32.9	15.7	18.3	29.5	28.5	34.8	34.6	17.8	21.6	37.4	39.8	38.2	30.0	18.5	13.7	22.1	33.3	33.9	31.7	27.8
歷年/03	38.5	50.0	37.3	37.4	41.4	34.8	37.4	45.1	36.7	38.5	39.9	35.4	38.5	42.7	41.9	41.9	40.7	39.3	37.3	34.8	57.6	38.5	37.2	42.4
歷年/04	38.4	47.7	38.6	40.6	41.0	41.2	33.1	46.5	40.1	37.3	36.4	39.3	46.4	42.7	41.5	48.8	50.3	49.7	50.1	49.3	52.4	40.4	36.9	50.4
歷年/05	52.8	36.9	47.4	32.9	35.5	45.4	40.3	48.0	37.5	36.9	42.3	58.4	40.8	45.3	57.4	44.9	48.2	43.4	38.8	42.2	44.8	78.2	50.2	61.5
歷年/06	51.2	57.9	55.0	57.0	66.3	67.8	81.0	62.0	78.2	56.3	52.2	55.6	63.7	67.2	65.7	70.9	64.1	66.8	65.7	67.4	60.3	63.1	80.4	72.3
歷年/07	85.7	68.3	65.2	79.3	75.0	77.7	85.3	105.4	59.9	102.2	60.6	102.1	80.2	89.0	80.8	73.8	61.0	73.3	92.3	78.6	88.4	78.3	78.2	65.9
歷年/08	56.9	69.3	53.2	79.0	73.4	94.8	76.8	88.9	79.3	79.6	75.0	57.9	71.2	65.0	85.8	95.8	89.9	104.4	80.9	94.7	124.9	122.3	88.7	73.8
歷年/09	39.5	43.7	46.3	47.1	45.6	41.8	49.1	59.9	57.4	75.2	39.6	50.6	58.9	54.3	55.5	57.3	52.2	39.5	38.3	60.8	48.3	54.2	60.9	53.5
歷年/10	64.4	53.9	62.4	56.2	66.6	45.4	59.8	63.8	67.1	67.2	62.9	77.8	69.1	61.4	60.4	55.8	69.9	88.7	77.8	89.6	119.8	107.1	87.0	53.6
歷年/11	50.1	45.9	39.7	43.6	37.4	39.6	43.0	42.5	39.6	42.5	43.5	50.4	54.3	48.4	47.2	44.7	52.0	42.1	39.8	37.3	37.2	53.1	45.0	43.2
歷年/冬	38.3	46.2	40.0	41.1	33.0	40.5	38.6	36.0	50.4	37.4	40.4	31.7	46.9	43.4	39.8	38.2	33.5	31.9	34.7	38.7	33.3	33.9	41.0	33.6
歷年/春	52.8	50.0	47.4	40.6	41.4	45.4	40.3	48.0	40.1	38.5	42.3	58.4	46.4	45.3	57.4	48.8	50.3	49.7	50.1	49.3	57.6	78.2	50.2	61.5
歷年/夏	85.7	69.3	65.2	79.3	75.0	94.8	85.3	105.4	79.3	102.2	75.0	102.1	80.2	89.0	85.8	95.8	89.9	104.4	92.3	94.7	124.9	122.3	88.7	73.8
歷年/秋	64.4	53.9	62.4	56.2	66.6	45.4	59.8	63.8	67.1	75.2	62.9	77.8	69.1	61.4	60.4	57.3	69.9	88.7	77.8	89.6	119.8	107.1	87.0	53.6
歷年/年	85.7	69.3	65.2	79.3	75.0	94.8	85.3	105.4	79.3	102.2	75.0	102.1	80.2	89.0	85.8	95.8	89.9	104.4	92.3	94.7	124.9	122.3	88.7	73.8

單位: cm/s

表5.8.6a 2009年布袋港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12																															
2009/01																															
2009/02																										23.	26.	25.			
2009/03	22.	22.	21.	19.	17.	16.	19.	20.	23.	25.	26.	25.	23.	20.	25.	19.	17.	18.	17.	15.	12.	17.	20.	20.	21.	22.	21.	23.	24.	23.	20.
2009/04	20.	17.	18.	12.	16.	19.	18.	22.	23.	19.	17.	14.	14.	16.	17.	16.	17.	16.	15.	20.	16.	15.	18.	21.	24.	24.	22.	19.	20.	19.	
2009/05	16.	18.	18.	19.	19.	20.	22.	23.	21.	19.	17.	17.	17.	16.	14.	15.	17.	15.	15.	14.	19.	22.	22.	21.	23.	25.	22.	19.	19.	18.	19.
2009/06	21.	20.	22.	25.	19.	23.	21.	20.	25.	23.	20.	24.	23.	17.	16.	17.	17.	20.	25.	29.	28.	36.	26.	24.	27.	31.	29.	29.	29.	30.	
2009/07	29.	24.	25.	30.	28.	29.	34.	26.	28.	31.	27.	29.	25.	20.	32.	27.	22.	29.	26.	24.	22.										
2009/08																									31.	29.	22.	19.	16.	17.	24.
2009/09	19.	26.	29.	27.	29.	26.	25.	26.	27.	24.	20.	18.	18.	26.	30.	26.	21.	24.	23.	24.	22.	22.	23.	20.	19.	17.	15.	13.	17.	24.	
2009/10	22.	22.	25.	26.	27.	28.	27.	25.	26.	19.	21.	19.	20.	18.	21.	20.	21.	21.	21.	24.	23.	22.	21.	19.	17.	14.	16.	16.	15.	17.	18.
2009/11	22.	17.	19.	22.	20.	24.	23.	24.	21.	21.	21.	21.	24.	24.	24.	25.	21.	20.	22.	22.	22.	18.	17.	16.	16.	15.	16.	17.	18.	20.	
2009/冬																										23.	26.	25.			
2009/春	19.	19.	19.	17.	17.	18.	20.	21.	22.	21.	20.	19.	18.	17.	19.	17.	17.	16.	16.	16.	16.	18.	20.	21.	23.	24.	22.	20.	21.	20.	20.
2009/夏	25.	22.	23.	28.	24.	26.	28.	23.	26.	27.	23.	26.	24.	19.	24.	22.	20.	24.	26.	26.	26.	36.	26.	24.	28.	30.	26.	24.	23.	23.	24.
2009/秋	21.	22.	24.	25.	26.	26.	25.	25.	25.	21.	21.	19.	21.	23.	25.	23.	21.	22.	22.	23.	22.	21.	20.	18.	18.	15.	16.	15.	17.	20.	18.
2009/年	21.	21.	22.	23.	22.	23.	24.	23.	24.	23.	21.	21.	21.	20.	22.	21.	19.	20.	20.	21.	20.	22.	21.	20.	22.	22.	21.	20.	20.	21.	20.

單位: cm/s

表5.8.6b　歷年布袋港測站 X 每日流速平均值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/12	22.	22.	23.	23.	23.	21.	20.	17.	20.	19.	18.	17.	15.	13.	13.	15.	17.	17.	19.	27.											
歷年/01																															
歷年/02																										23.	26.	25.			
歷年/03	22.	22.	21.	19.	17.	16.	19.	20.	23.	25.	26.	25.	21.	19.	20.	17.	17.	18.	19.	19.	18.	20.	22.	21.	22.	21.	20.	20.	19.	19.	16.
歷年/04	16.	16.	17.	15.	17.	18.	16.	20.	21.	19.	18.	17.	17.	18.	19.	17.	17.	17.	18.	18.	16.	20.	18.	22.	24.	24.	20.	20.	21.	19.	
歷年/05	18.	21.	17.	19.	20.	20.	23.	22.	19.	20.	16.	18.	18.	18.	16.	17.	19.	15.	17.	19.	16.	19.	20.	23.	23.	24.	23.	20.	20.	21.	22.
歷年/06	20.	24.	24.	28.	23.	25.	23.	24.	27.	24.	24.	26.	23.	20.	23.	24.	26.	26.	22.	27.	28.	28.	26.	27.	28.	27.	27.	28.	28.	26.	
歷年/07	26.	24.	29.	29.	27.	27.	28.	27.	28.	30.	28.	27.	31.	27.	33.	28.	25.	32.	28.	25.	24.	25.	25.	22.	26.	28.	26.	21.	23.	22.	24.
歷年/08	26.	22.	24.	25.	23.	23.	21.	24.	32.	34.	38.	42.	34.	32.	31.	25.	23.	33.	32.	27.	26.	27.	26.	23.	26.	27.	25.	22.	19.	18.	23.
歷年/09	21.	22.	25.	25.	29.	26.	25.	26.	27.	24.	20.	18.	18.	26.	30.	26.	21.	24.	23.	24.	22.	22.	23.	20.	19.	17.	17.	23.	27.	29.	
歷年/10	27.	26.	27.	23.	23.	42.	34.	31.	26.	23.	24.	23.	24.	22.	23.	21.	20.	20.	20.	20.	21.	23.	22.	22.	23.	21.	21.	18.	19.	19.	18.
歷年/11	20.	18.	18.	18.	17.	20.	22.	21.	19.	18.	20.	18.	19.	19.	18.	19.	17.	15.	18.	19.	19.	18.	18.	19.	19.	18.	19.	17.	19.	19.	
歷年/冬	22.	22.	23.	23.	23.	21.	20.	17.	20.	19.	18.	17.	15.	13.	13.	15.	17.	17.	19.	27.						23.	26.	25.			
歷年/春	18.	19.	18.	17.	18.	19.	20.	21.	21.	21.	19.	20.	18.	18.	18.	17.	18.	17.	18.	19.	16.	20.	20.	22.	23.	23.	21.	20.	20.	19.	19.
歷年/夏	24.	24.	26.	28.	25.	26.	25.	25.	28.	29.	29.	31.	29.	27.	30.	26.	25.	31.	27.	26.	26.	26.	26.	24.	27.	27.	26.	25.	25.	23.	24.
歷年/秋	22.	22.	22.	21.	21.	28.	26.	25.	22.	21.	21.	20.	20.	21.	22.	21.	19.	19.	19.	20.	20.	21.	21.	21.	21.	19.	20.	19.	21.	22.	18.
歷年/年	22.	22.	23.	23.	22.	24.	24.	24.	24.	24.	23.	24.	23.	22.	23.	21.	20.	22.	22.	22.	21.	22.	22.	22.	23.	23.	23.	22.	22.	21.	20.

單位: cm/s

表5.8.7a 2009年布袋港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2008/12																															
2009/01																															
2009/02																										36.	41.	38.			
2009/03	36.	39.	34.	37.	39.	58.	33.	42.	36.	45.	42.	39.	37.	35.	41.	37.	38.	32.	38.	32.	22.	41.	36.	39.	35.	38.	35.	39.	42.	40.	34.
2009/04	33.	32.	33.	24.	36.	36.	33.	38.	36.	40.	37.	27.	37.	37.	31.	32.	33.	26.	29.	48.	36.	34.	35.	49.	46.	42.	38.	35.	38.	38.	
2009/05	35.	31.	31.	30.	35.	34.	40.	48.	42.	37.	33.	30.	40.	26.	28.	33.	37.	31.	27.	28.	36.	40.	39.	42.	38.	42.	39.	36.	38.	34.	41.
2009/06	45.	40.	43.	47.	39.	34.	40.	40.	54.	44.	37.	51.	38.	35.	35.	41.	29.	38.	54.	71.	66.	81.	57.	55.	55.	56.	52.	62.	58.	49.	
2009/07	72.	57.	48.	57.	53.	69.	69.	55.	48.	57.	46.	52.	55.	37.	79.	53.	58.	66.	56.	80.	33.										
2009/08																									38.	56.	43.	60.	42.	40.	54.
2009/09	34.	47.	61.	54.	59.	43.	43.	54.	53.	52.	37.	40.	43.	54.	58.	54.	42.	45.	53.	46.	53.	41.	39.	44.	40.	37.	29.	30.	33.	37.	
2009/10	41.	52.	50.	56.	59.	64.	46.	46.	47.	39.	50.	34.	37.	39.	48.	41.	40.	44.	46.	54.	51.	42.	45.	37.	42.	29.	36.	35.	43.	38.	44.
2009/11	41.	36.	42.	50.	40.	45.	46.	44.	40.	42.	38.	52.	44.	43.	38.	48.	45.	35.	35.	40.	34.	35.	32.	27.	33.	36.	30.	28.	31.	35.	
2009/冬																										36.	41.	38.			
2009/春	36.	39.	34.	37.	39.	58.	40.	48.	42.	45.	42.	39.	40.	37.	41.	37.	38.	32.	38.	48.	36.	41.	39.	49.	46.	42.	39.	39.	42.	40.	41.
2009/夏	72.	57.	48.	57.	53.	69.	69.	55.	54.	57.	46.	52.	55.	37.	79.	53.	58.	66.	56.	80.	66.	81.	57.	55.	55.	56.	52.	62.	58.	49.	54.
2009/秋	41.	52.	61.	56.	59.	64.	46.	54.	53.	52.	50.	52.	44.	54.	58.	54.	45.	45.	53.	54.	53.	42.	45.	44.	42.	37.	36.	35.	43.	38.	44.
2009/年	72.	57.	61.	57.	59.	69.	69.	55.	54.	57.	50.	52.	55.	54.	79.	54.	58.	66.	56.	80.	66.	81.	57.	55.	55.	56.	52.	62.	58.	49.	54.

單位: cm/s

表5.8.7b　歷年布袋港測站 X 每日流速最大值統計表

日 年、月	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
歷年/12	38.	41.	47.	41.	46.	40.	38.	37.	35.	32.	36.	31.	27.	26.	21.	36.	41.	35.	32.	50.											
歷年/01																															
歷年/02																										36.	41.	38.			
歷年/03	36.	39.	34.	37.	39.	58.	33.	42.	36.	45.	42.	41.	39.	35.	41.	37.	40.	35.	39.	50.	43.	41.	37.	39.	39.	40.	40.	39.	42.	40.	34.
歷年/04	33.	32.	33.	36.	36.	37.	34.	41.	36.	40.	39.	43.	38.	40.	50.	37.	39.	39.	42.	48.	36.	49.	35.	50.	49.	49.	50.	52.	45.	38.	
歷年/05	46.	44.	34.	37.	39.	44.	57.	48.	42.	45.	33.	35.	45.	35.	37.	34.	47.	35.	49.	45.	36.	40.	59.	78.	58.	42.	62.	45.	53.	50.	50.
歷年/06	45.	64.	61.	67.	57.	57.	63.	80.	72.	64.	67.	55.	43.	42.	47.	51.	59.	67.	54.	71.	77.	81.	62.	63.	62.	56.	60.	68.	61.	57.	
歷年/07	73.	57.	67.	63.	54.	69.	69.	56.	75.	78.	70.	64.	89.	92.	105.	102.	86.	79.	66.	80.	58.	63.	85.	70.	69.	73.	86.	52.	70.	56.	61.
歷年/08	75.	46.	45.	54.	55.	57.	54.	69.	79.	103.	87.	104.	95.	66.	63.	53.	75.	125.	80.	67.	60.	63.	70.	72.	73.	62.	61.	60.	42.	40.	54.
歷年/09	38.	47.	61.	54.	59.	43.	43.	54.	53.	52.	37.	40.	43.	54.	58.	54.	42.	45.	53.	46.	53.	41.	39.	44.	40.	37.	49.	60.	75.	61.	
歷年/10	61.	52.	50.	56.	59.	120.	89.	78.	61.	54.	55.	51.	60.	51.	53.	41.	42.	44.	46.	54.	51.	55.	54.	46.	60.	49.	54.	48.	50.	52.	51.
歷年/11	41.	42.	42.	50.	40.	45.	47.	44.	40.	42.	39.	52.	44.	43.	40.	48.	45.	36.	35.	40.	45.	42.	50.	54.	48.	47.	37.	37.	38.	53.	
歷年/冬	38.	41.	47.	41.	46.	40.	38.	37.	35.	32.	36.	31.	27.	26.	21.	36.	41.	35.	32.	50.						36.	41.	38.			
歷年/春	46.	44.	34.	37.	39.	58.	57.	48.	42.	45.	42.	43.	45.	40.	50.	37.	47.	39.	49.	50.	43.	49.	59.	78.	58.	49.	62.	52.	53.	50.	50.
歷年/夏	75.	64.	67.	67.	57.	69.	69.	80.	79.	103.	87.	104.	95.	92.	105.	102.	86.	125.	80.	80.	77.	81.	85.	72.	73.	73.	86.	68.	70.	57.	61.
歷年/秋	61.	52.	61.	56.	59.	120.	89.	78.	61.	54.	55.	52.	60.	54.	58.	54.	45.	45.	53.	54.	53.	55.	54.	54.	60.	49.	54.	60.	75.	61.	51.
歷年/年	75.	64.	67.	67.	59.	120.	89.	80.	79.	103.	87.	104.	95.	92.	105.	102.	86.	125.	80.	80.	77.	81.	85.	78.	73.	73.	86.	68.	75.	61.	61.

單位: cm/s

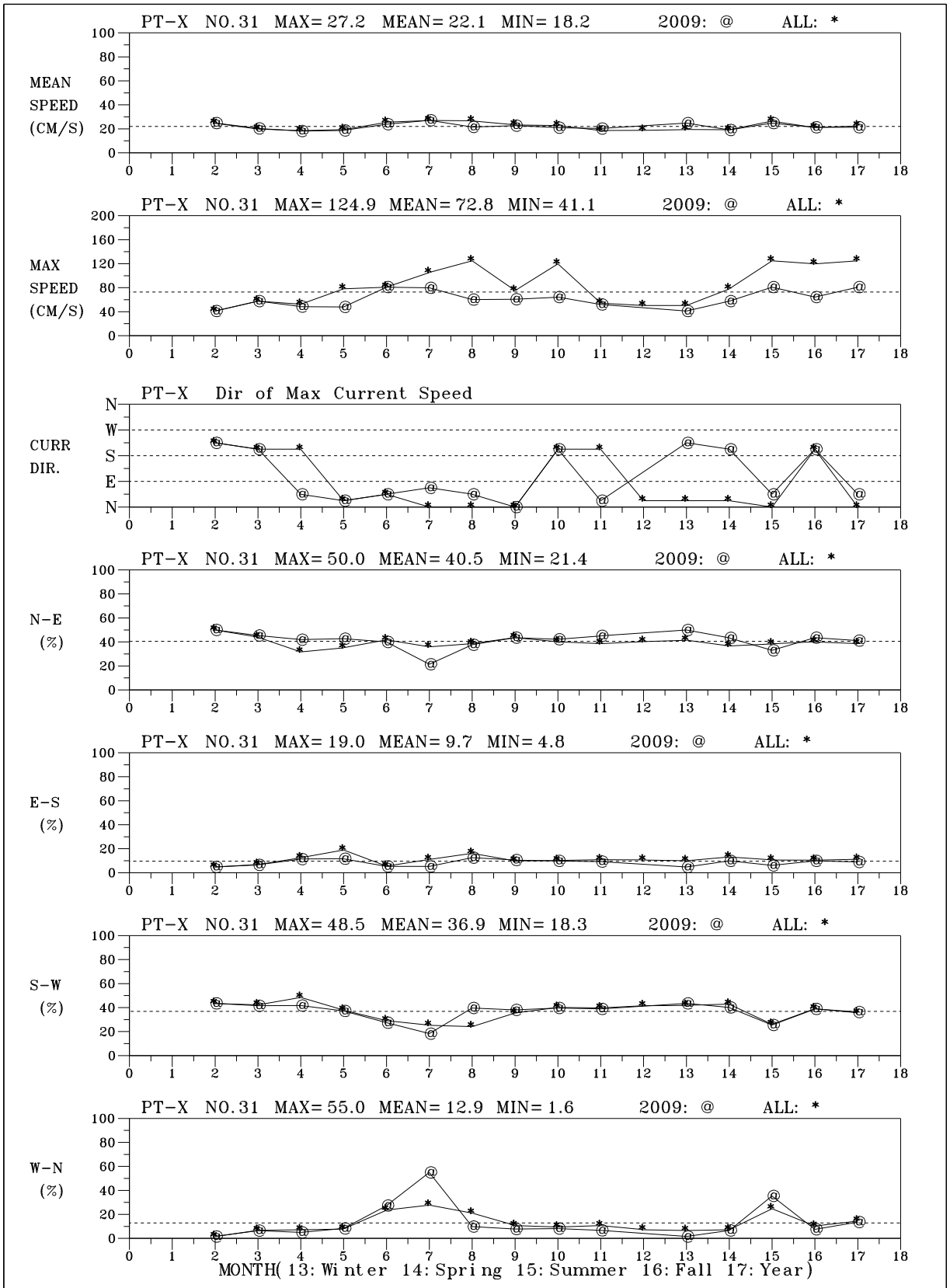


圖5.8.1 布袋港1站2009及歷年月季海流統計圖

C09XPTX0.ST2	Institute of Harbor & Marine Technology

PLQC2A1.BAT(PLQCU2A1.FOR) 2010. 10. 19

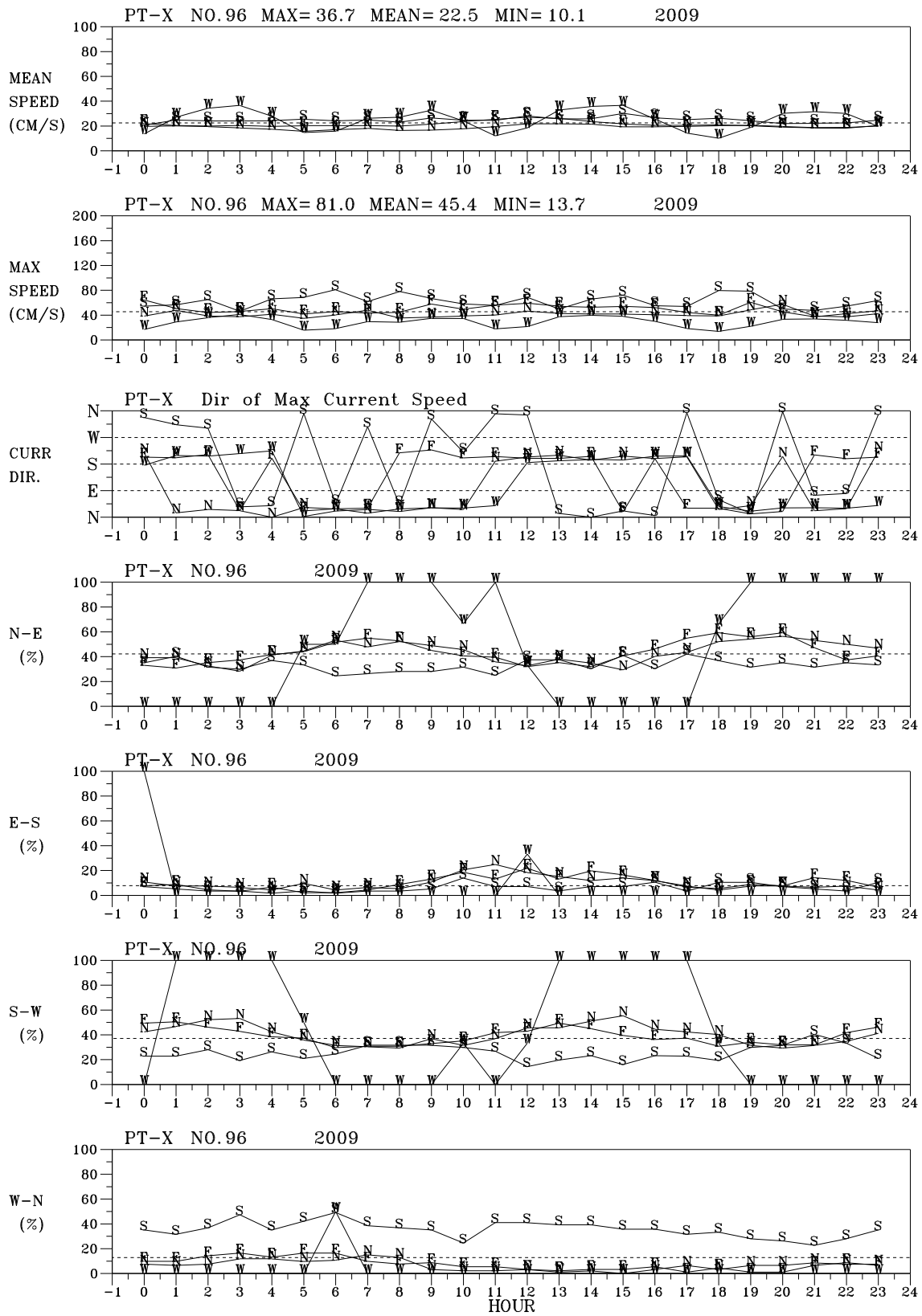


圖5.8.2 布袋港1站2009年四季24時海流統計圖

C090PTX0.1HA	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19

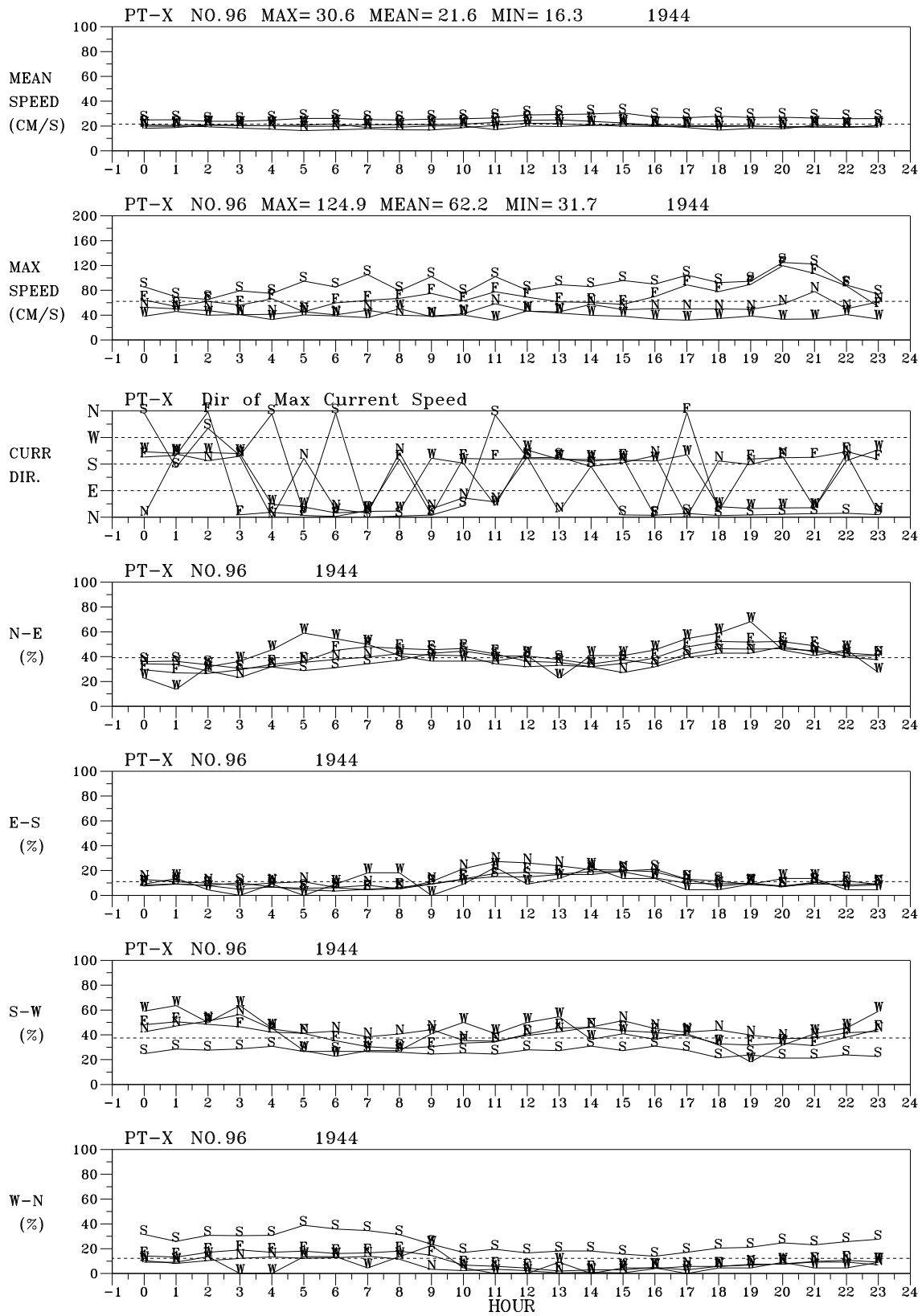


圖5.8.3 布袋港1站歷年四季24時海流統計量圖

C440PTX0.1HY	Institute of Harbor & Marine Technology

PLQC3A1.BAT(PLQCU3A1.FOR) 2010. 10. 19