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2017 年港灣環境資訊網
海氣象觀測資料年報
(澎湖海域風浪潮流觀測資料)



交通部運輸研究所

中華民國 108 年 2 月

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著者：蘇青和、李俊穎、傅怡釗、陳鈞彥
陳明宗、劉清松、林珂如、謝佳紘

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摘要： 本港灣環境資訊網觀測海氣象資料年報，包括澎湖海域2017年觀測風力、波浪、潮汐及海流等資料之觀測記錄表及逐時資料歷線圖。			
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2017年港灣環境資訊網海氣象觀測資料年報 (澎湖海域風浪潮流觀測資料)

目 錄

中文摘要	I
英文摘要	II
目錄	III
誌謝	IV
第 0 章 澎湖海域觀測風浪潮流資料蒐集	0-1
第一章 2017 年澎湖海域觀測風力資料	1-1
第二章 2017 年澎湖海域觀測波浪資料	2-1
第三章 2017 年澎湖海域觀測潮汐資料	3-1
第四章 2017 年澎湖海域觀測海流資料	4-1

誌 謝

2017 年港灣環境資訊網觀測風力資料，蒐集之澎湖海域風力資料，除本中心自行觀測之外，在澎湖馬公氣象站(測站 E)、七美海上浮標(測站 R)、東吉島氣象站(測站 I)等觀測風力資料，係交通部中央氣象局(CWB)提供。澎湖海上浮標(測站 Y)觀測風力資料，係經濟部水利署(WRA)提供。澎湖馬公港區(測站 H)觀測風力資料，係港務公司(TIPC)提供，謹致謝忱。

2017 年港灣環境資訊網觀測波浪資料，蒐集之澎湖海域波浪資料，除本中心自行觀測之外，在七美海上浮標(測站 R)、東吉島海上浮標(測站 Z) 等觀測波浪資料，係交通部中央氣象局(CWB)提供。澎湖海上浮標(測站 Y)觀測波浪資料，係經濟部水利署(WRA)提供，謹致謝忱。

2017 年港灣海氣象觀測潮汐資料，蒐集之澎湖海域潮汐觀測資料，除本中心自行觀測之外，馬公港區(測站 F)、吉貝(測站 P)及七美漁港(測站 J)之潮位計為中央氣象局所有，謹致謝忱。

2017 年港灣環境資訊網觀測海流資料，蒐集之澎湖海域海流資料，除本中心自行觀測之外，在東吉島海上浮標(測站 Z)、七美海上浮標(測站 R) 等，係交通部中央氣象局(CWB)提供。澎湖海上浮標(測站 Y)觀測海流資料，係經濟部水利署(WRA)提供，謹致謝忱。

第 0 章 澎湖海域觀測風浪潮流資料蒐集

本年報將彙整包括本所港研中心(IHMT)、氣象局(CWB)、水利署(WRA)、成功大學水文中心(COMC)、立臺灣海洋大學(NTOC)、海科中心(TORI)、觀光局東北角管理處(TBRC)、台灣中油(CPC)等單位，於臺灣北苗海域、北端海域、宜蘭海域、花蓮海域、臺東海域、屏東海域、高雄海域、嘉南海域、中雲海域、澎湖海域、金門海域及馬祖海域等 12 個海域，海域區分如附圖 A1。

澎湖海域觀測風力資料測站統計表如表 WN1，觀測波浪資料測站統計表如表 VN1，觀測潮汐資料測站統計表如表 TN1，觀測海流資料測站統計表如表 CN1。

表 WN1 澎湖海域觀測風力資料測站統計表

海域名稱	測站總數	IHMT 測站	CWB 測站	WRA 測站	其他 測站	備註
澎湖海域	7	2	3	1	1	

表 VN1 澎湖海域觀測波浪資料測站統計表

海域名稱	測站總數	IHMT 測站	CWB 測站	WRA 測站	其他 測站	備註
澎湖海域	4	1	2	1	0	

表 TN1 澎湖海域觀測潮汐資料測站統計表

海域名稱	測站總數	IHMT 測站	CWB 測站	WRA 測站	其他 測站	備註
澎湖海域	5	3	3	0	0	

表 CN1 澎湖海域觀測海流資料測站統計表

海域名稱	測站總數	IHMT 測站	CWB 測站	WRA 測站	其他 測站	備註
澎湖海域	4	1	2	1	0	

註:資料更新時間為 2017 年。

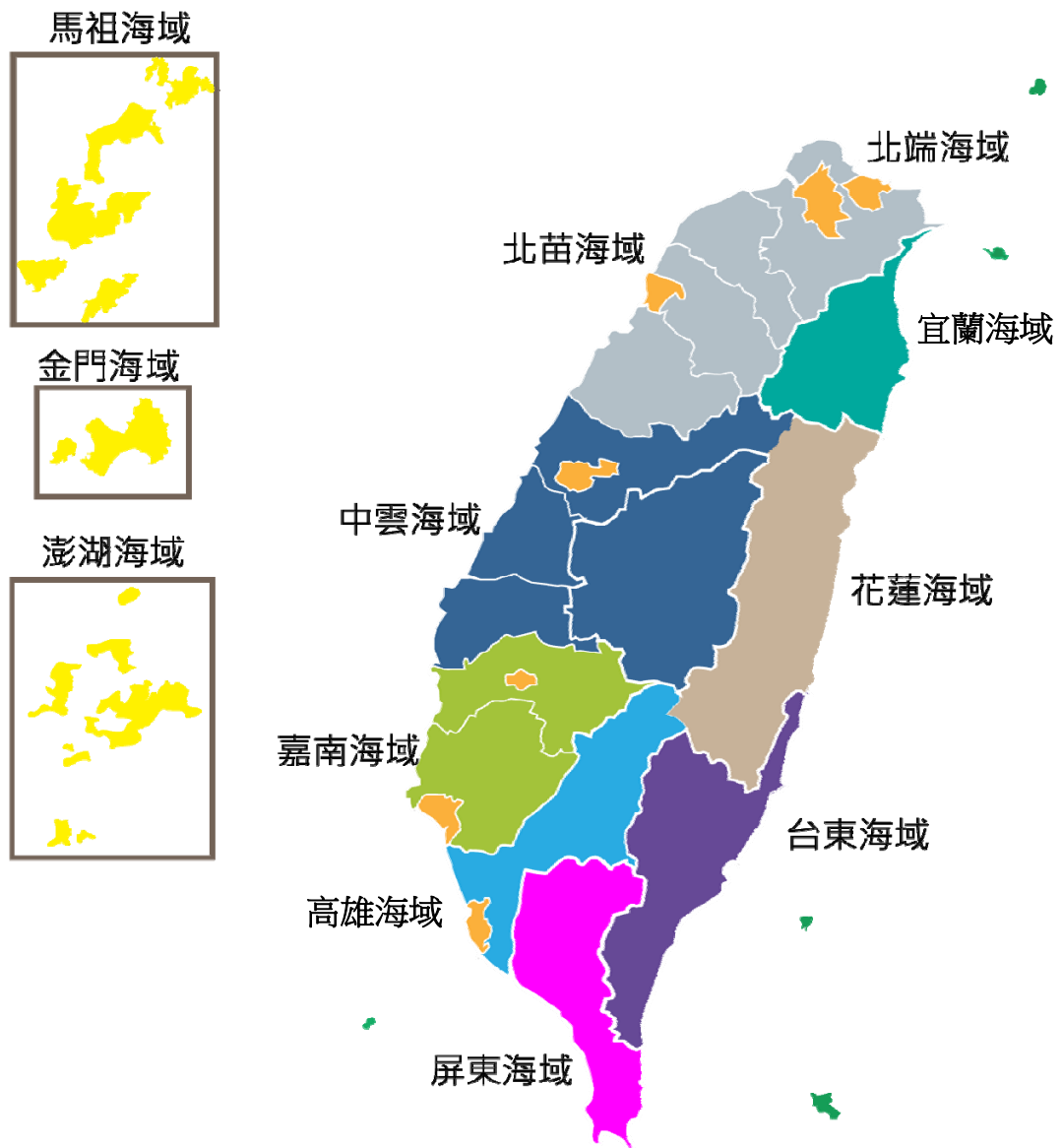


圖 A1 臺灣 12 海域區分示意圖

2017 年澎湖海域觀測風力資料

澎湖海域風之觀測係 2009 年 12 月本中心(IHMT)安裝 Young Brand 風速計於馬公港區辦事處大樓樓頂澎湖港(測站 W)，位置如圖 WN1。另於 2011 年 12 月於龍門港區安裝 Young Brand 風速計(稱測站 B)。

測站 R(七美資料浮標站)之風速儀屬中央氣象局(CWB)所有，測站 Y(澎湖外海浮標站)之風速儀屬水利署(WRA)所有，姑婆嶼北北西方約 1 公里處，水深 26.6 公尺之浮標上。測站 E(馬公港區)及測站 I(東吉島)之風速儀屬中央氣象局所有。測站 H 之風速儀屬港務公司(TIPC)所有，也設置於馬公港區。各觀測站歷年觀測風資料蒐集概況如表 WN1。

本中心測站風資料之蒐集係採取每小時測定十分鐘之風速、風向數據加以平均，而得出該小時之平均風速、平均風向、最大陣風風速、最大陣風風向、最大陣風之發生時間。本中心之風力資料以取平均風速及平均風向為主。其他測站觀測風速、風向資料也是平均風速(m/s)及風向(度)。

表 WN1 澎湖海域觀測風力資料蒐集概況表(統計時間至 2017 年 11 月)

測站	緯度	經度	觀測期間	觀測單位	備註
W	23°33'46"N	119°33'52"E	2009/12-2017/11(觀測中)	港研中心	馬公港區
B	23°33'30"N	119°40'5.5"E	2009/12-2017/11(觀測中)	港研中心	龍門尖山港區
E	23°34'02"N	119°33'19"E	2001/01-2017/11(觀測中)	中央氣象局	馬公港區
Y	23°43'37"N	119°33'07"E	2006/09-2017/11(觀測中)	水利署	澎湖資料浮標
H	23°33'46"N	119°33'52"E	2001/12 -2014/08	港務公司	馬公港區
R	22°45'16"N	119°25'42"E	2015/07-2017/11(觀測中)	中央氣象局	七美資料浮標
I	23°34'02"N	119°33'19"E	2014/08-2017/11(觀測中)	中央氣象局	東吉島

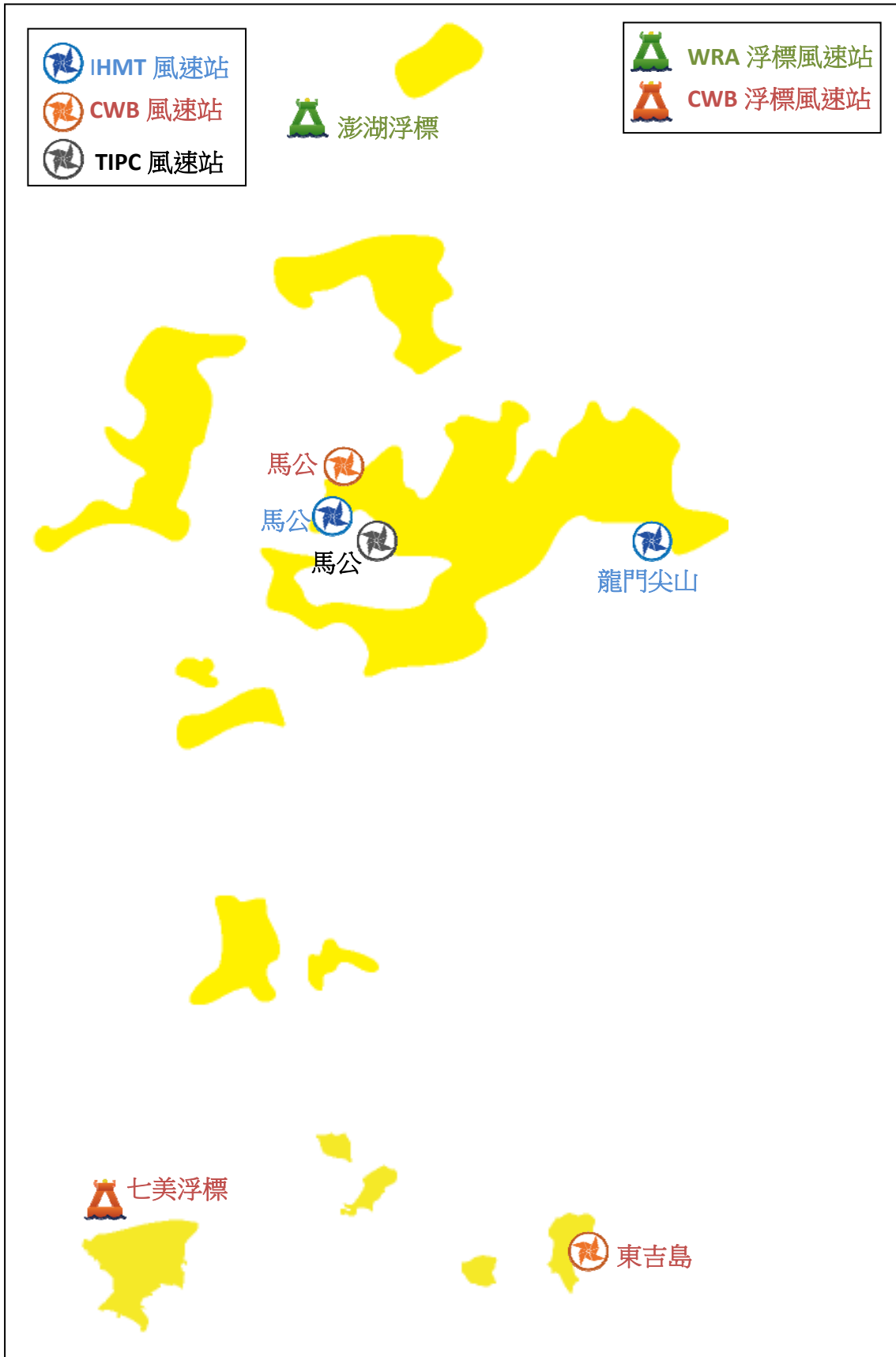


圖 WN1 澎湖海域風力觀測站位置示意圖

2017 年澎湖海域觀測波浪資料

澎湖海域波浪之觀測，本中心於(IHMT)2011 年 1 月安置挪威 NORTEK 公司之剖面海流表面波浪與潮汐之監測系統(簡稱 AWCP)，安裝在澎湖港龍門尖山港區波堤堤頭外(測站 X)，另 2016 年 1 月安置 AWCP 在澎湖馬公港口外(測站 A)，如附圖 VN1。

測站 Y(澎湖外海浮標站)之波浪儀屬水利署(WRA)所有，姑婆嶼北北西方約 1 公里處，水深 26.6 公尺浮標上。測站 Z(東吉島波浪站)及七美海上浮標(測站 R)之波浪儀屬中央氣象局(CWB)所有。各觀測站歷年觀測波浪資料蒐集概況如表 VN1。

波浪觀測 AWCP 系統有兩個分離波高量測模式：一個是對平靜波浪時，當資料由傳統式壓力感應器量測時將會因儀器佈放的深度而受很大的影響。此時，表面高度必須用一個聲波式的高度感應器量測波高。AWCP 波向量測範圍：波向的量測從海面下 3 米以上的流向資料與波高資料計算轉換而得。對攪動的海況來說；用於轉換波向的該層深度應該自動被調整為平均水位也就是 $H_{max}/2$ 。量測的參數為：平均波向及波向分佈，波向單位為度。

表 VN1 澎湖海域觀測波浪資料蒐集概況表(統計時間至 2017 年 11 月)

測站	緯度	經度	觀測期間	觀測單位	備註
X	23°33'21"N	119°40'31"E	2011/01-2017/11(觀測中)	港研中心	龍門尖山港外海
Y	23°43'37"N	119°33'07"E	2006/09-2017/11(觀測中)	水利署	澎湖資料浮標
Z	23°15'23"N	119°41'2"E	2013/10-2017/11(觀測中)	中央氣象局	東吉島波浪站
R	22°45'16"N	119°25'42"E	2015/07-2017/11(觀測中)	中央氣象局	七美資料浮標
A	23°33'32"N	119°33'19"E	2016/01-2017/11(觀測中)	港研中心	馬公港外海



圖 VN1 澎湖海域波浪觀測站位置示意圖

2017 年澎湖海域觀測潮汐資料

澎湖海域潮汐之觀測係于 2011 年 1 月由本中心於龍門尖山港區碼頭安裝 Water Log 公司潮位計(稱**測站 T**)，位置如附圖 TN1，2013 年 6 月本中心於馬公港區碼頭安裝 Water Log 公司潮位計(稱**測站 S**)。另於 2011 年 1 月中旬在澎湖港龍門尖山港區波堤堤頭外(**測站 X**)安置 AWCP，另 2016 年 1 月安置 AWCP 在澎湖馬公港口外(**測站 A**)，也具量測水位功能。

馬公港區(**測站 F**)、吉貝(**測站 P**)及七美漁港(**測站 J**)之潮位計為中央氣象局所有。歷年各站觀測潮汐資料蒐集概況如表 TN1。

潮位**測站 X**潮波流儀，以壓力感測器測得水壓變化時間序列，取樣方式為每一小時取前 10 分鐘之水位變化，取樣頻率為 2Hz，然後加以平均得出該小時之平均水位值。潮位資料之平均水位以觀測水位資料之平均值為基準，未經高程量測，與一般固定式潮位計不同。**測站 T**潮位資料取樣方式為每 6 分鐘量測一次水位變化。**測站 F**資料由中央氣象局提供。

表 TN1 澎湖海域觀測潮汐資料蒐集概況表(統計時間至 2017 年 11 月)

測站	緯度	經度	觀測期間	觀測單位	備註
T	23°33'37"N	119°40'05"E	2011/01-2017/11(觀測中)	港研中心	龍門尖山港區
S	23°33'30"N	119°40'06"E	2013/06-2017/11(觀測中)	港研中心	馬公港區潮位計
X	23°33'21"N	119°40'31"E	2011/01-2017/11(觀測中)	港研中心	龍門尖山港區外海
F	23°33'49"N	119°34'01"E	2007/11-2017/11(觀測中)	中央氣象局	馬公港區潮位站
J	23°33'42"N	119°34'41"E	2016/09-2017/11(觀測中)	中央氣象局	七美漁港潮位站
P	23°44'24"N	119°36'35"E	2017/10-2017/11(觀測中)	中央氣象局	吉貝潮位站
A	23°33'32"N	119°33'19"E	2015/07-2017/11(觀測中)	港研中心	馬公港外海

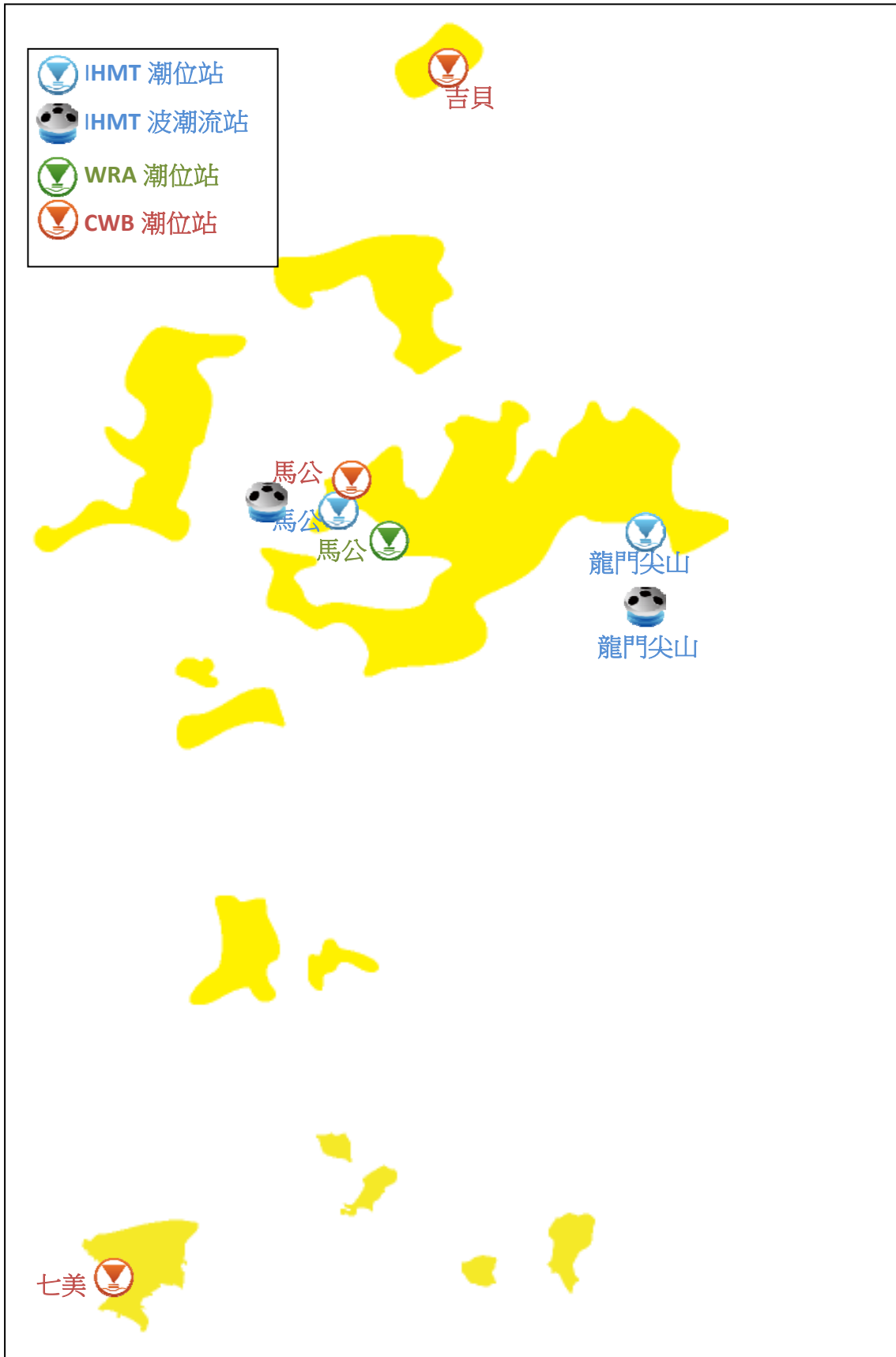


圖 TN1 澎湖海域潮汐觀測站位置示意圖

2017 年澎湖海域觀測海流資料

澎湖海域海流之觀測，本中心(IHMT)於 2011 年 1 月安置挪威 NORTEK 公司之剖面海流表面波浪與潮汐之監測系統(簡稱 AWCP)，安裝在澎湖港龍門尖山港區波堤堤頭外(測站 X)，另 2016 年 1 月安置 AWCP 在澎湖馬公港口外(測站 A)，如附圖 CN1。

測站 Y(澎湖外海浮標站)之海流儀屬水利署(WRA)所有，姑婆嶼北北西方約 1 公里處，水深 26.6 公尺浮標上。測站 Z(東吉島海流站)及七美海上浮標(測站 R)之海流儀屬中央氣象局(CWB)所有。各觀測站歷年觀測海流資料蒐集概況如表 CN1。

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，澎湖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。

表 CN1 澎湖海域觀測海流資料蒐集概況表(統計時間至 2017 年 11 月)

測站	緯度	經度	觀測期間	觀測單位	備註
X	23°33'21"N	119°40'31"E	2011/01-2017/11(觀測中)	港研中心	龍門尖山港外海
Y	23°43'37"N	119°33'07"E	2010/07-2017/11(觀測中)	水利署	澎湖資料浮標
Z	23°15'23"N	119°41'2"E	2013/10-2017/11(觀測中)	中央氣象局	東吉島資料浮標
R	22°45'16"N	119°25'42"E	2015/07-2017/11(觀測中)	中央氣象局	七美資料浮標
A	23°33'32"N	119°33'19"E	2016/01-2017/11(觀測中)	港研中心	馬公港外海



圖 CN1 澎湖海域海流觀測站位置示意圖

第一章 2017 年澎湖海域觀測風力資料

澎湖海域風之觀測包括測站 **W**、測站 **Y**、測站 **B**、測站 **E**、測站 **H**、測站 **R** 及測站 **I** 等 7 個測站(測站位置如第 0 章圖 WN1)。本報取經檢核及補遺之 **Y 站** 及 **W 站** 資料作為主要測站。

本風力年報資料處理之圖表包括：

1. 2017 年各觀測站每月觀測風力資料修補前記錄表。
2. 2017 年主要測站每月觀測風力資料修補後記錄表。
3. 2017 年主要測站修補前後每月(季)及整年風速及風向重要統計量統計表。
4. 2017 年主要測站修補前後每月風力歷線比較圖。
5. 2017 年主要測站之觀測風力與次要觀測站(或其他觀測站)每月風力歷線比較圖。

表 1.1a 2017 年每月澎湖海域修補前各測站觀測風力資料紀錄表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	Y	W	B	R	E	H	I					
2016/12 月	744(100%)	733(98.5%)	*	744(100%)	744(100%)	*	744(100%)	*	*	*	*	*
2017/ 1 月	744(100%)	740(99.5%)	*	744(100%)	744(100%)	*	744(100%)	*	*	*	*	*
2017/ 2 月	89(13.2%)	672(100%)	*	672(100%)	672(100%)	*	672(100%)	*	*	*	*	*
2017/ 3 月	273(36.7%)	737(99.1%)	*	743(99.9%)	744(100%)	*	744(100%)	*	*	*	*	*
2017/ 4 月	720(100%)	716(99.4%)	*	718(99.7%)	720(100%)	*	720(100%)	*	*	*	*	*
2017/ 5 月	741(99.6%)	744(100%)	*	738(99.2%)	744(100%)	*	744(100%)	*	*	*	*	*
2017/ 6 月	720(100%)	714(99.2%)	*	714(99.2%)	720(100%)	*	720(100%)	*	*	*	*	*
2017/ 7 月	743(99.9%)	744(100%)	*	741(99.6%)	744(100%)	*	744(100%)	*	*	*	*	*
2017/ 8 月	744(100%)	742(99.7%)	*	738(99.2%)	744(100%)	*	744(100%)	*	*	*	*	*
2017/ 9 月	719(99.9%)	639(88.8%)	399(55.4%)	711(98.8%)	720(100%)	*	720(100%)	*	*	*	*	*
2017/10 月	742(99.7%)	573(77.0%)	622(83.6%)	741(99.6%)	*	*	*	*	*	*	*	*
2017/11 月	719(99.9%)	577(80.1%)	665(92.4%)	720(100%)	*	*	*	*	*	*	*	*
2017/冬季	1577(73.0%)	2145(99.3%)	*	2160(100%)	2160(100%)	*	2160(100%)	*	*	*	*	*
2017/春季	1734(78.5%)	2197(99.5%)	*	2199(99.6%)	2208(100%)	*	2208(100%)	*	*	*	*	*
2017/夏季	2207(99.9%)	2200(99.6%)	*	2193(99.3%)	2208(100%)	*	2208(100%)	*	*	*	*	*
2017/秋季	2180(99.8%)	1789(81.9%)	1686(77.2%)	2172(99.5%)	720(33.0%)	*	720(33.0%)	*	*	*	*	*
2017/整年	7698(87.9%)	8331(95.1%)	1686(19.2%)	8724(99.6%)	7296(83.3%)	*	7296(83.3%)	*	*	*	*	*
起始年月	2016/12	2016/12	2017/09	2016/12	2016/12	*	2016/12	*	*	*	*	*
結束年月	2017/11	2017/11	2017/11	2017/11	2017/09	*	2017/09	*	*	*	*	*

1-2

表 1.1b 2017年每月澎湖海域修補後各測站風力資料紀錄表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	Y	W										
2016/12月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2017/ 1月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2017/ 2月	672(100%)	672(100%)	*	*	*	*	*	*	*	*	*	*
2017/ 3月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2017/ 4月	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*	*
2017/ 5月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2017/ 6月	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*	*
2017/ 7月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2017/ 8月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2017/ 9月	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*	*
2017/10月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2017/11月	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*	*
2017/冬季	2160(100%)	2160(100%)	*	*	*	*	*	*	*	*	*	*
2017/春季	2208(100%)	2208(100%)	*	*	*	*	*	*	*	*	*	*
2017/夏季	2208(100%)	2208(100%)	*	*	*	*	*	*	*	*	*	*
2017/秋季	2184(100%)	2184(100%)	*	*	*	*	*	*	*	*	*	*
2017/整年	8760(100%)	8760(100%)	*	*	*	*	*	*	*	*	*	*
起始年月	2016/12	2016/12	*	*	*	*	*	*	*	*	*	*
結束年月	2017/11	2017/11	*	*	*	*	*	*	*	*	*	*

表1.2a 2017年澎湖海域主要測站1修補前風速及風向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	風速 平均值 (m/s)	平均風 風速/風向 (m/s)/(來向)	最大風 風速/風向 (m/s)/(來向)	輕風 <3.3 (%)	和風 ~7.9 (%)	強風 ~13.8 (%)	疾風 >13.8 (%)	風向 N~E (%)	風向 E~S (%)	風向 S~W (%)	風向 W~N (%)	主要風向 方向/百分比
1	2016/12	744(100%)	11.2	11.1/NNE	18.2/NNE	.4	20.0	53.2	26.3	98.7	.0	.0	1.3	NNE/82.8%
2	2017/01	744(100%)	10.3	10.2/NNE	16.4/NE	3.9	19.6	61.8	14.7	98.7	.1	.0	1.2	NNE/57.7%
3	2017/02	89(13%)	11.5	11.4/NNE	16.3/NNE	.0	13.5	56.2	30.3	100.0	.0	.0	.0	NNE/78.7%
4	2017/03	273(37%)	7.6	7.3/NNE	16.2/NNE	16.5	32.6	47.3	3.7	88.3	4.8	1.8	5.1	NNE/59.0%
5	2017/04	720(100%)	5.9	3.2/NNE	14.8/NNE	33.2	37.2	28.2	1.4	56.3	4.6	31.9	7.2	NNE/38.9%
6	2017/05	741(100%)	5.1	4.0/NNE	13.0/NNE	37.0	33.6	29.4	.0	67.3	4.9	16.1	11.7	NNE/46.4%
7	2017/06	720(100%)	3.8	2.7/SSW	11.1/WSW	45.1	50.4	4.4	.0	12.8	16.8	63.9	6.5	SSW/27.9%
8	2017/07	743(100%)	2.9	.5/WSW	14.3/S	70.8	22.6	6.3	.3	26.2	15.7	40.2	17.8	NNE/12.4%
9	2017/08	744(100%)	4.2	1.6/SSW	12.6/N	36.6	55.4	8.1	.0	17.2	13.6	59.3	9.9	SSW/31.6%
10	2017/09	719(100%)	4.3	2.2/NNE	13.4/NE	49.5	33.1	17.4	.0	49.5	9.3	27.0	14.2	NNE/27.3%
11	2017/10	742(100%)	11.1	10.9/NNE	19.6/NNE	10.6	6.6	60.1	22.6	91.6	.7	1.8	5.9	NNE/70.1%
12	2017/11	719(100%)	11.4	11.2/NNE	19.1/NNE	3.9	6.8	67.6	21.7	96.9	.6	.3	2.2	NNE/78.2%
13	2017/冬	1577(73%)	10.8	10.7/NNE	18.2/NNE	2.0	19.5	57.5	21.1	98.7	.1	.0	1.2	NNE/70.7%
14	2017/春	1734(79%)	5.8	4.2/NNE	16.2/NNE	32.2	34.9	31.7	1.2	66.0	4.7	20.4	8.8	NNE/45.3%
15	2017/夏	2207(100%)	3.7	1.5/SSW	14.3/S	50.9	42.7	6.3	.1	18.8	15.4	54.4	11.5	SSW/23.3%
16	2017/秋	2180(100%)	8.9	8.1/NNE	19.6/NNE	21.2	15.4	48.5	14.9	79.5	3.5	9.6	7.4	NNE/58.6%
17	2017/年	7698(88%)	7.1	5.0/NNE	19.6/NNE	28.3	28.5	34.5	8.8	63.0	6.5	22.9	7.6	NNE/43.8%

表1.2b 2017年澎湖海域主要測站1修補後風速及風向重要統計量統計表

序號	日期 (年/月)	觀測 點數	風速 平均值 (m/s)	平均風 風速/風向 (m/s)/(來向)	最大風 風速/風向 (m/s)/(來向)	輕風 <3.3 (%)	和風 ~7.9 (%)	強風 ~13.8 (%)	疾風 >13.8 (%)	風向 N~E (%)	風向 E~S (%)	風向 S~W (%)	風向 W~N (%)	主要風向 方向/百分比
1	2016/12	744(100%)	11.2	11.1/NNE	18.2/NNE	.4	20.0	53.2	26.3	98.7	.0	.0	1.3	NNE/82.8%
2	2017/01	744(100%)	10.3	10.2/NNE	16.4/NE	3.9	19.6	61.8	14.7	98.7	.1	.0	1.2	NNE/57.7%
3	2017/02	672(100%)	10.4	10.3/NNE	16.3/NNE	2.7	19.9	62.1	15.3	96.9	1.2	.0	1.9	NNE/82.6%
4	2017/03	744(100%)	8.0	7.6/NNE	16.2/NNE	11.0	34.8	50.8	3.4	90.1	3.1	2.3	4.6	NNE/60.6%
5	2017/04	720(100%)	5.9	3.2/NNE	14.8/NNE	33.3	37.1	28.2	1.4	56.3	4.6	31.9	7.2	NNE/38.9%
6	2017/05	744(100%)	5.1	4.0/NNE	13.0/NNE	37.1	33.6	29.3	.0	67.1	4.8	16.1	12.0	NNE/46.2%
7	2017/06	720(100%)	3.8	2.7/SSW	11.1/WSW	45.1	50.4	4.4	.0	12.8	16.8	63.9	6.5	SSW/27.9%
8	2017/07	744(100%)	2.9	.5/WSW	14.3/S	71.0	22.4	6.3	.3	26.2	15.7	40.3	17.7	NNE/12.4%
9	2017/08	744(100%)	4.2	1.6/SSW	12.6/N	36.6	55.4	8.1	.0	17.2	13.6	59.3	9.9	SSW/31.6%
10	2017/09	720(100%)	4.3	2.2/NNE	13.4/NE	49.7	32.9	17.4	.0	49.4	9.3	26.9	14.3	NNE/27.2%
11	2017/10	744(100%)	11.1	10.9/NNE	19.6/NNE	10.6	6.6	60.1	22.7	91.7	.7	1.7	5.9	NNE/70.2%
12	2017/11	720(100%)	11.4	11.2/NNE	19.1/NNE	3.9	6.9	67.5	21.7	96.9	.6	.3	2.2	NNE/78.1%
13	2017/冬	2160(100%)	10.6	10.5/NNE	18.2/NNE	2.3	19.9	58.9	18.9	98.1	.4	.0	1.5	NNE/74.1%
14	2017/春	2208(100%)	6.4	4.9/NNE	16.2/NNE	27.1	35.1	36.2	1.6	71.3	4.2	16.6	7.9	NNE/48.7%
15	2017/夏	2208(100%)	3.7	1.5/SSW	14.3/S	51.0	42.7	6.3	.1	18.8	15.4	54.4	11.5	SSW/23.3%
16	2017/秋	2184(100%)	8.9	8.1/NNE	19.6/NNE	21.3	15.4	48.4	14.9	79.5	3.5	9.6	7.5	NNE/58.6%
17	2017/年	8760(100%)	7.4	5.5/NNE	19.6/NNE	25.5	28.3	37.3	8.8	66.7	5.9	20.3	7.1	NNE/47.4%

9-1

表1.3a 2017年澎湖海域主要測站2修補前風速及風向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	風速 平均值 (m/s)	平均風 風速/風向 (m/s)/(來向)	最大風 風速/風向 (m/s)/(來向)	輕風 <3.3 (%)	和風 ~7.9 (%)	強風 ~13.8 (%)	疾風 >13.8 (%)	風向 N~E (%)	風向 E~S (%)	風向 S~W (%)	風向 W~N (%)	主要風向 方向/百分比
1	2016/12	733(99%)	7.6	7.5/NNE	14.4/NNE	4.2	51.2	44.1	.5	92.4	.0	.0	7.6	NNE/72.7%
2	2017/01	740(100%)	7.0	6.9/NNE	12.5/NNE	9.6	52.0	38.4	.0	94.2	.5	.0	5.3	NNE/77.8%
3	2017/02	672(100%)	7.0	6.9/NNE	12.5/NNE	12.9	41.5	45.5	.0	94.8	2.5	.0	2.7	NNE/76.8%
4	2017/03	737(99%)	5.4	5.0/NNE	11.7/NNE	21.0	63.6	15.3	.0	84.9	4.1	2.0	9.0	NNE/60.4%
5	2017/04	716(99%)	4.0	2.2/NNE	11.6/N	45.5	45.1	9.4	.0	54.1	11.3	23.5	11.2	NNE/33.5%
6	2017/05	744(100%)	3.8	2.8/NNE	9.4/N	44.1	54.3	1.6	.0	62.4	5.9	13.0	18.7	NNE/39.9%
7	2017/06	714(99%)	2.7	1.8/SSW	6.9/WNW	73.8	26.2	.0	.0	8.4	35.4	48.0	8.1	S /25.5%
8	2017/07	744(100%)	2.6	.3/W	10.9/N	75.1	23.3	1.6	.0	19.0	25.9	29.2	25.9	SSW/11.3%
9	2017/08	742(100%)	3.0	.8/SW	10.6/N	67.3	30.3	2.4	.0	13.2	21.3	48.2	17.3	SSW/27.2%
10	2017/09	639(89%)	3.4	1.8/NNE	10.4/NNE	56.7	41.0	2.3	.0	44.4	14.7	15.3	25.5	NNE/24.7%
11	2017/10	573(77%)	7.9	7.7/NNE	15.5/NNE	8.7	34.0	56.4	.9	92.0	.3	1.0	6.6	NNE/70.2%
12	2017/11	577(80%)	7.8	7.7/NNE	14.7/NNE	5.0	44.5	49.9	.5	95.8	.3	.3	3.5	NNE/79.4%
13	2017/冬	2145(99%)	7.2	7.1/NNE	14.4/NNE	8.8	48.4	42.6	.2	93.8	1.0	.0	5.3	NNE/75.8%
14	2017/春	2197(100%)	4.4	3.3/NNE	11.7/NNE	36.8	54.4	8.7	.0	67.2	7.1	12.7	13.0	NNE/44.7%
15	2017/夏	2200(100%)	2.8	.9/SSW	10.9/N	72.0	26.6	1.4	.0	13.6	27.5	41.7	17.2	SSW/20.5%
16	2017/秋	1789(82%)	6.3	5.6/NNE	15.5/NNE	24.7	39.9	35.0	.4	76.2	5.5	5.9	12.4	NNE/56.9%
17	2017/年	8331(95%)	5.1	3.7/NNE	15.5/NNE	36.3	42.4	21.1	.1	61.8	10.5	15.7	12.0	NNE/44.9%

1-6

表1.3b 2017年澎湖海域主要測站2修補後風速及風向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	風速 平均值 (m/s)	平均風 風速/風向 (m/s)/(來向)	最大風 風速/風向 (m/s)/(來向)	輕風 <3.3 (%)	和風 ~7.9 (%)	強風 ~13.8 (%)	疾風 >13.8 (%)	風向 N~E (%)	風向 E~S (%)	風向 S~W (%)	風向 W~N (%)	主要風向 方向/百分比
1	2016/12	744(100%)	7.6	7.5/NNE	14.4/NNE	4.2	50.9	44.4	.5	92.5	.0	.0	7.5	NNE/71.8%
2	2017/01	744(100%)	7.0	6.9/NNE	12.5/NNE	9.5	51.9	38.6	.0	94.2	.5	.0	5.2	NNE/77.4%
3	2017/02	672(100%)	7.0	6.9/NNE	12.5/NNE	12.9	41.5	45.5	.0	94.8	2.5	.0	2.7	NNE/76.8%
4	2017/03	744(100%)	5.4	5.0/NNE	11.7/NNE	20.8	64.0	15.2	.0	85.1	3.9	2.2	8.9	NNE/60.2%
5	2017/04	720(100%)	4.0	2.1/NNE	11.6/N	45.8	44.9	9.3	.0	53.8	11.5	23.5	11.3	NNE/33.3%
6	2017/05	744(100%)	3.8	2.8/NNE	9.4/N	44.1	54.3	1.6	.0	62.4	5.9	13.0	18.7	NNE/39.9%
7	2017/06	720(100%)	2.7	1.8/SSW	6.9/WNW	73.6	26.4	.0	.0	8.3	35.4	48.2	8.1	S /25.7%
8	2017/07	744(100%)	2.6	.3/W	10.9/N	75.1	23.3	1.6	.0	19.0	25.9	29.2	25.9	SSW/11.3%
9	2017/08	744(100%)	3.0	.8/SW	10.6/N	67.1	30.5	2.4	.0	13.2	21.2	48.4	17.2	SSW/27.4%
10	2017/09	720(100%)	3.3	1.8/NNE	10.4/NNE	57.8	39.4	2.8	.0	45.0	14.0	16.4	24.6	NNE/24.3%
11	2017/10	744(100%)	7.6	7.4/NNE	15.5/NNE	12.1	33.3	53.9	.7	93.5	.5	.8	5.1	NNE/60.3%
12	2017/11	720(100%)	7.7	7.6/NNE	14.7/NNE	5.0	45.0	49.6	.4	96.7	.3	.3	2.8	NNE/70.0%
13	2017/冬	2160(100%)	7.2	7.1/NNE	14.4/NNE	8.8	48.3	42.7	.2	93.8	1.0	.0	5.2	NNE/75.3%
14	2017/春	2208(100%)	4.4	3.3/NNE	11.7/NNE	36.8	54.5	8.7	.0	67.2	7.1	12.8	13.0	NNE/44.6%
15	2017/夏	2208(100%)	2.8	.9/SSW	10.9/N	71.9	26.7	1.4	.0	13.5	27.4	41.8	17.2	SSW/20.6%
16	2017/秋	2184(100%)	6.3	5.6/NNE	15.5/NNE	24.8	39.2	35.6	.4	78.6	4.9	5.8	10.8	NNE/51.6%
17	2017/年	8760(100%)	5.1	3.8/NNE	15.5/NNE	35.8	42.2	22.0	.1	63.1	10.2	15.2	11.6	NNE/44.0%

Wind Speed in Peng-Hu Seas of PHY0 at 2017

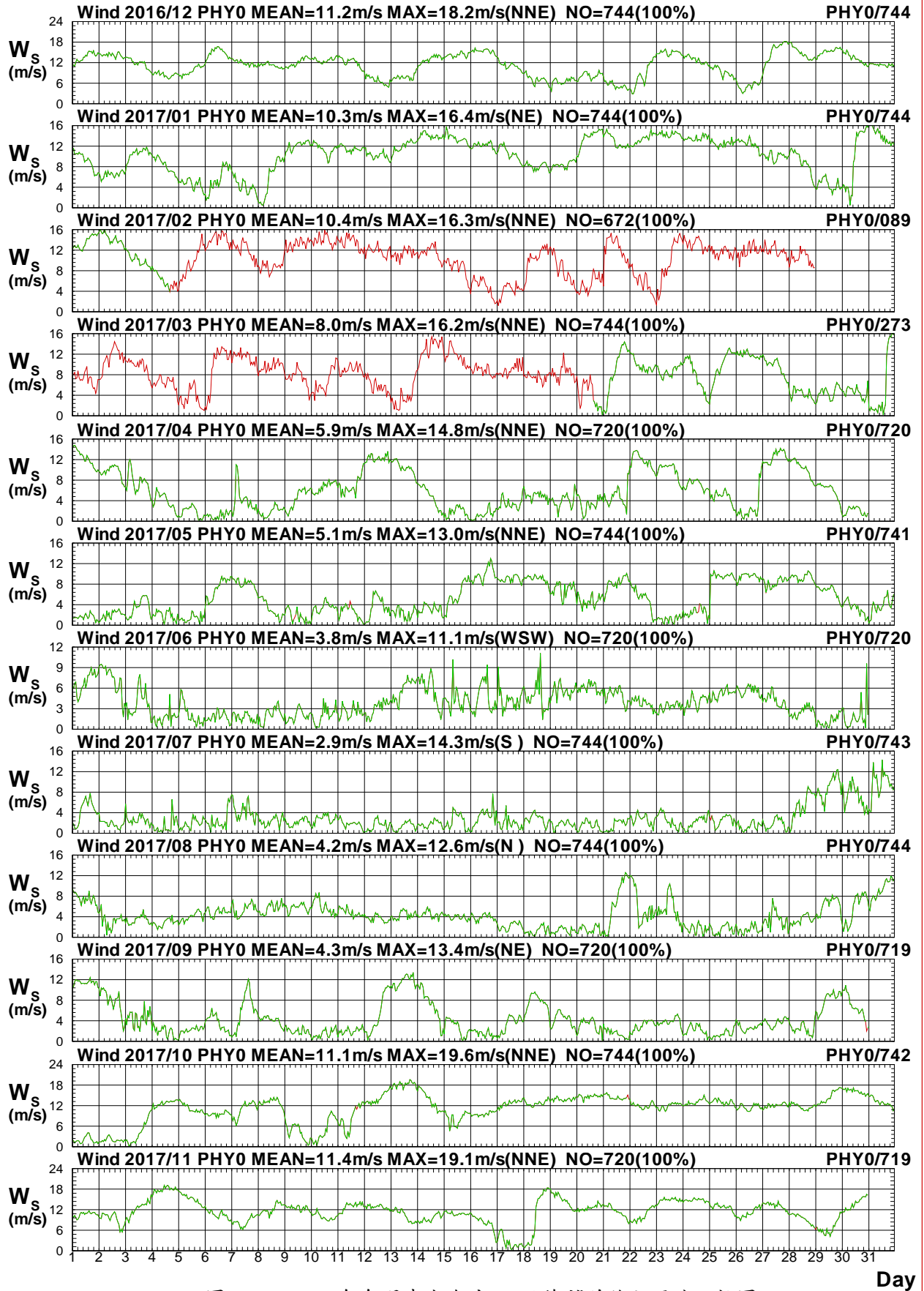


圖 1.1a 2017年每月澎湖海域 Y 站修補前後之風速比較圖

W16CPHY0.1HA W16CPHY0.1HO W171PHY0.1HA W171PHY0.1HO W172PHY0.1HA W172PHY0.1HO
 W173PHY0.1HA W173PHY0.1HO W174PHY0.1HA W174PHY0.1HO W175PHY0.1HA W175PHY0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

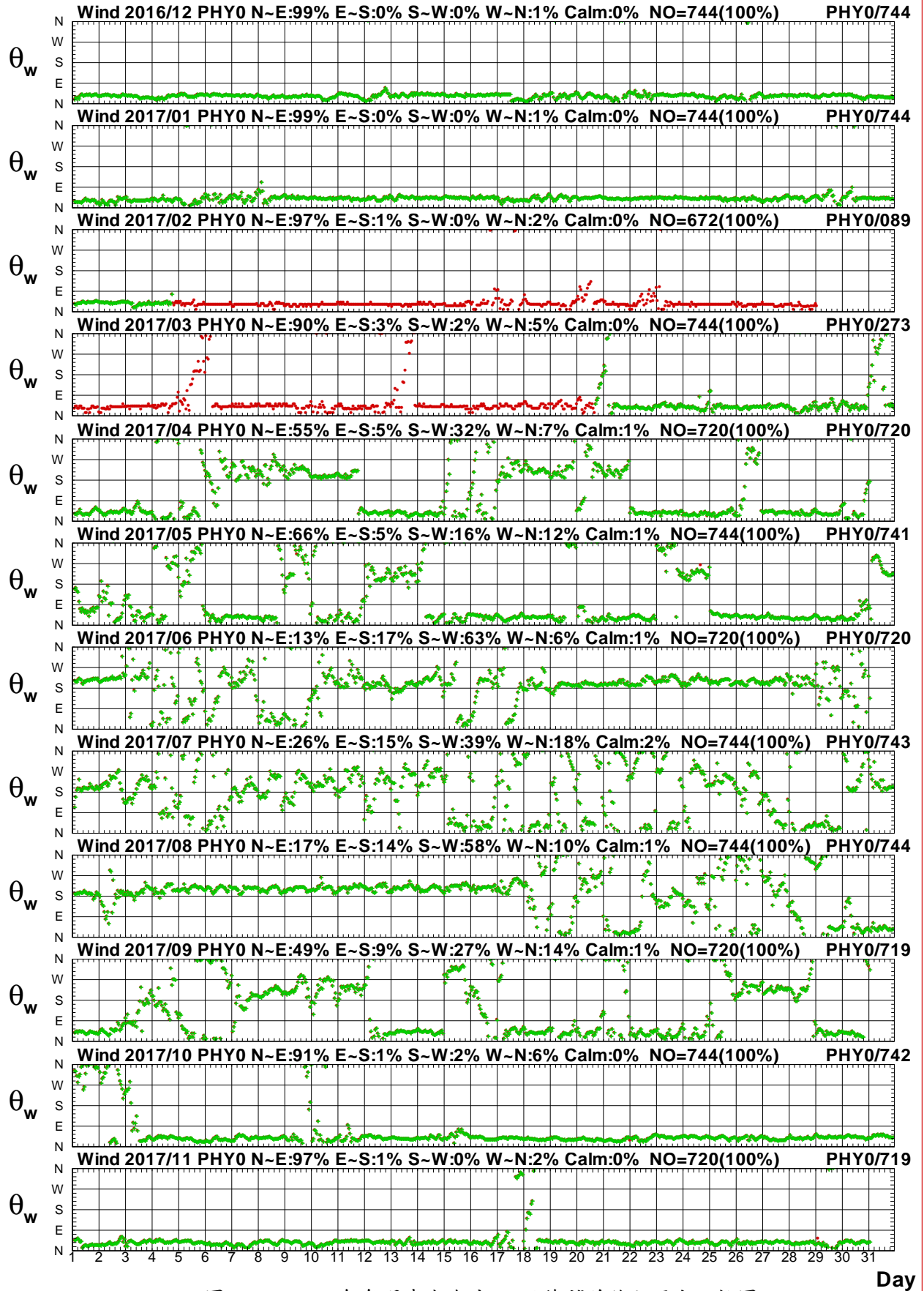


圖1.1b 2017年每月澎湖海域 Y 站修補前後之風向比較圖

Wind Speed in Peng-Hu Seas of PHY0 at 2017

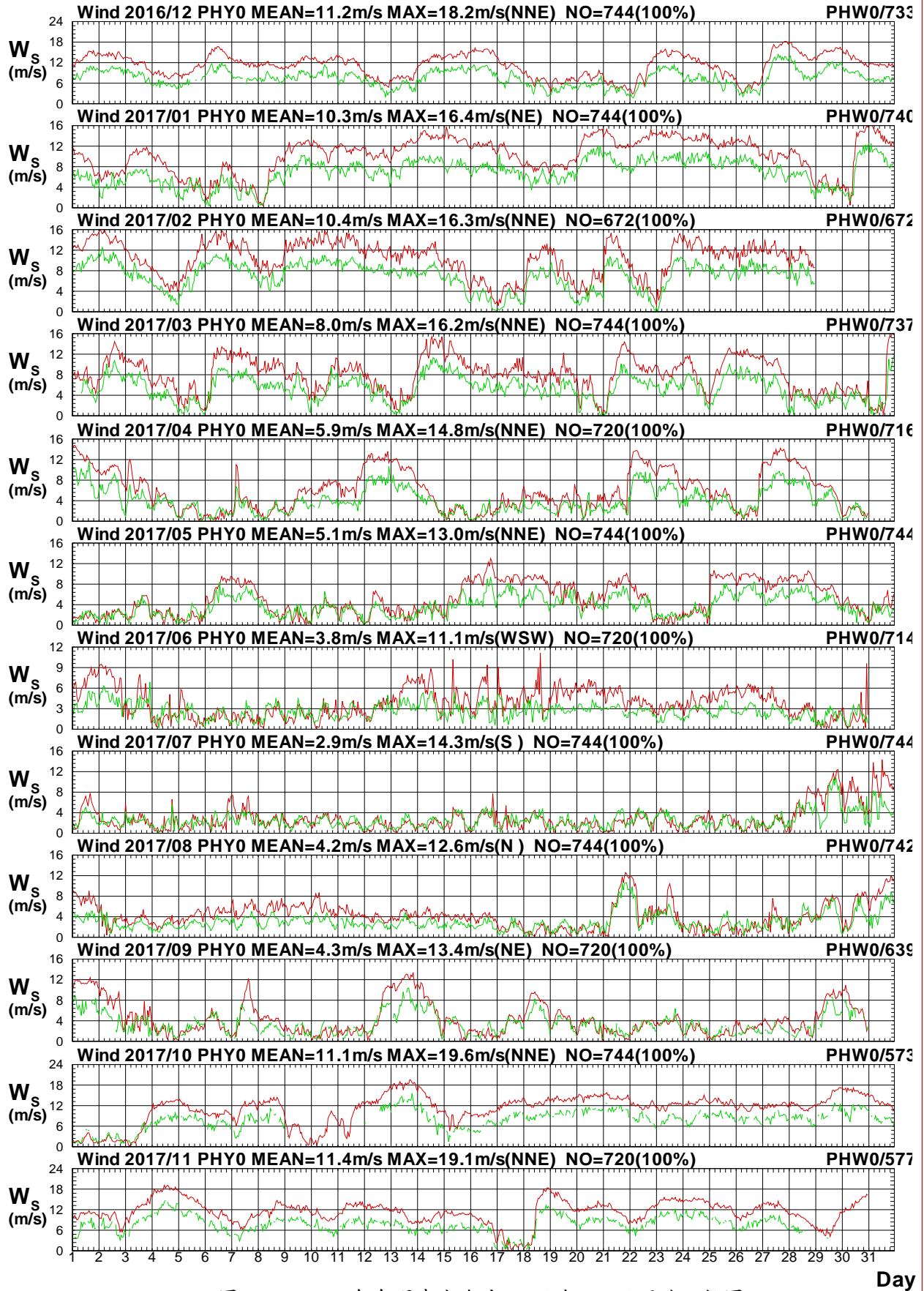


圖1.2a 2017年每月澎湖海域 Y 站與 W 站風速比較圖

W16CPHY0.1HA W16CPHW0.1HO W171PHY0.1HA W171PHW0.1HO W172PHY0.1HA W172PHW0.1HO
 W173PHY0.1HA W173PHW0.1HO W174PHY0.1HA W174PHW0.1HO W175PHY0.1HA W175PHW0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

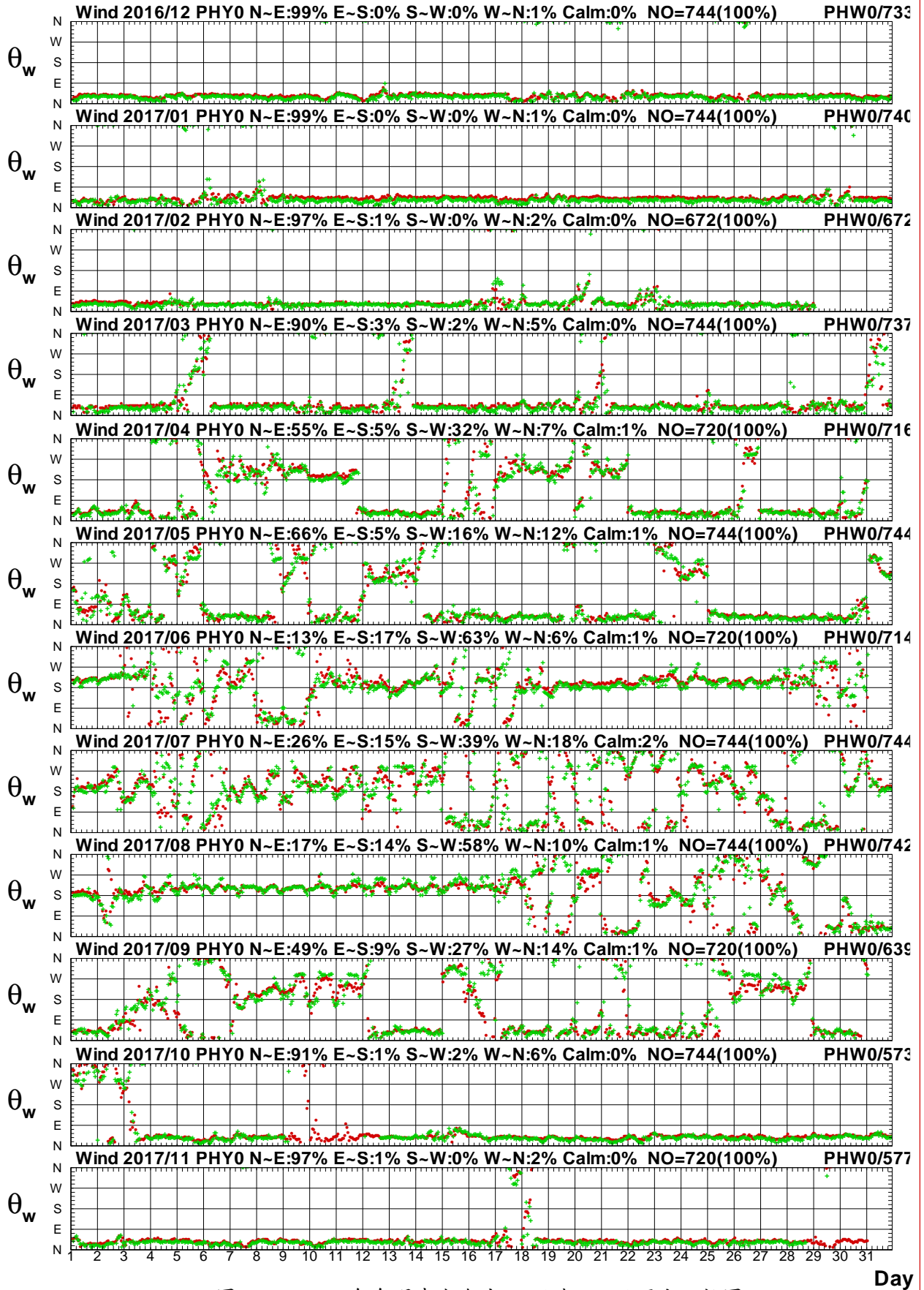


圖1.2b 2017年每月澎湖海域 Y 站與 W 站風向比較圖

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 W173PHY0.1HA W173PHW0.1HO W174PHY0.1HA W174PHW0.1HO W175PHY0.1HA W175PHW0.1HO

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

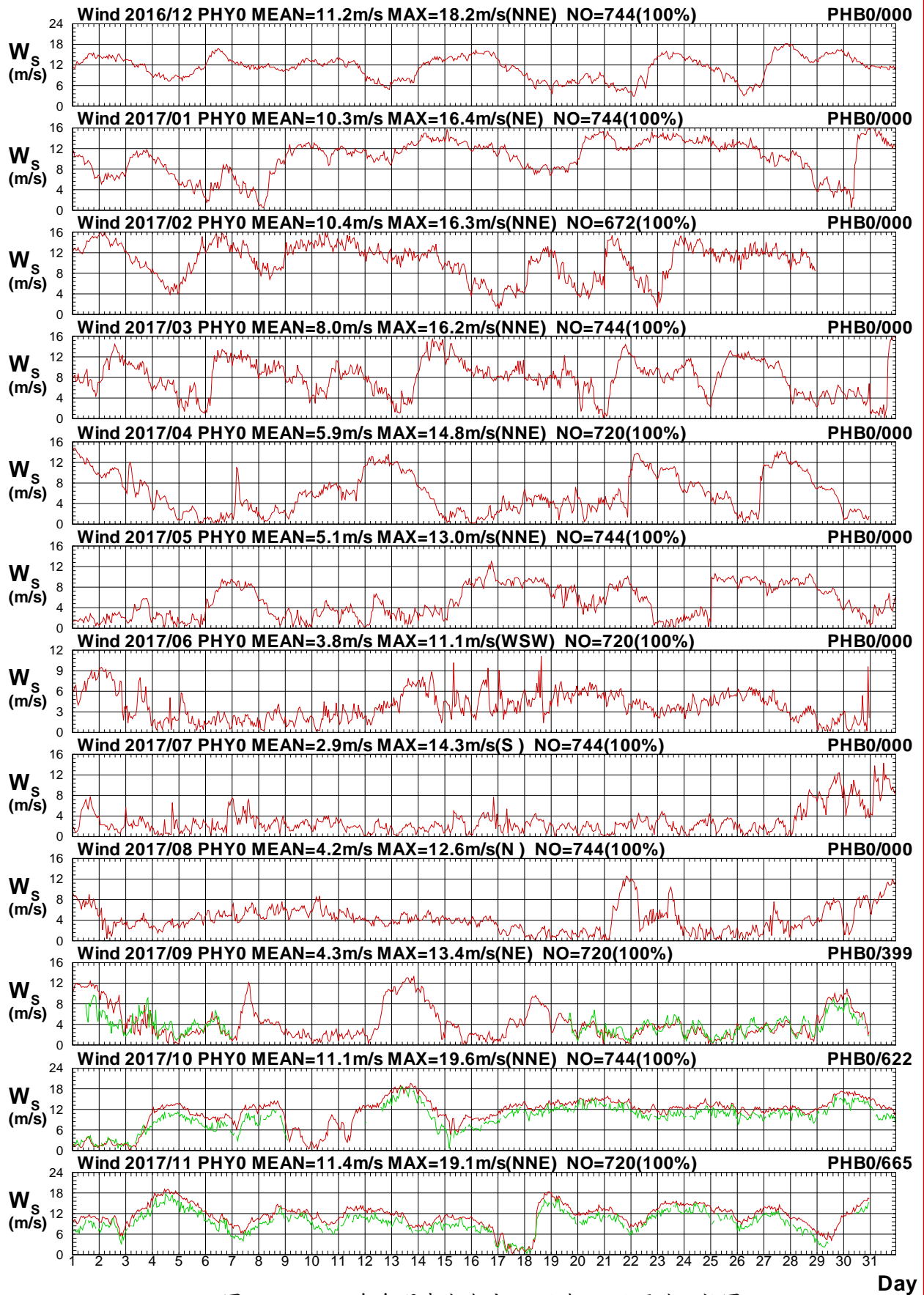


圖1.3a 2017年每月澎湖海域 Y 站與 B 站風速比較圖

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 W173PHY0.1HA W173PHB0.1H0 W174PHY0.1HA W174PHB0.1H0 W175PHY0.1HA W175PHB0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

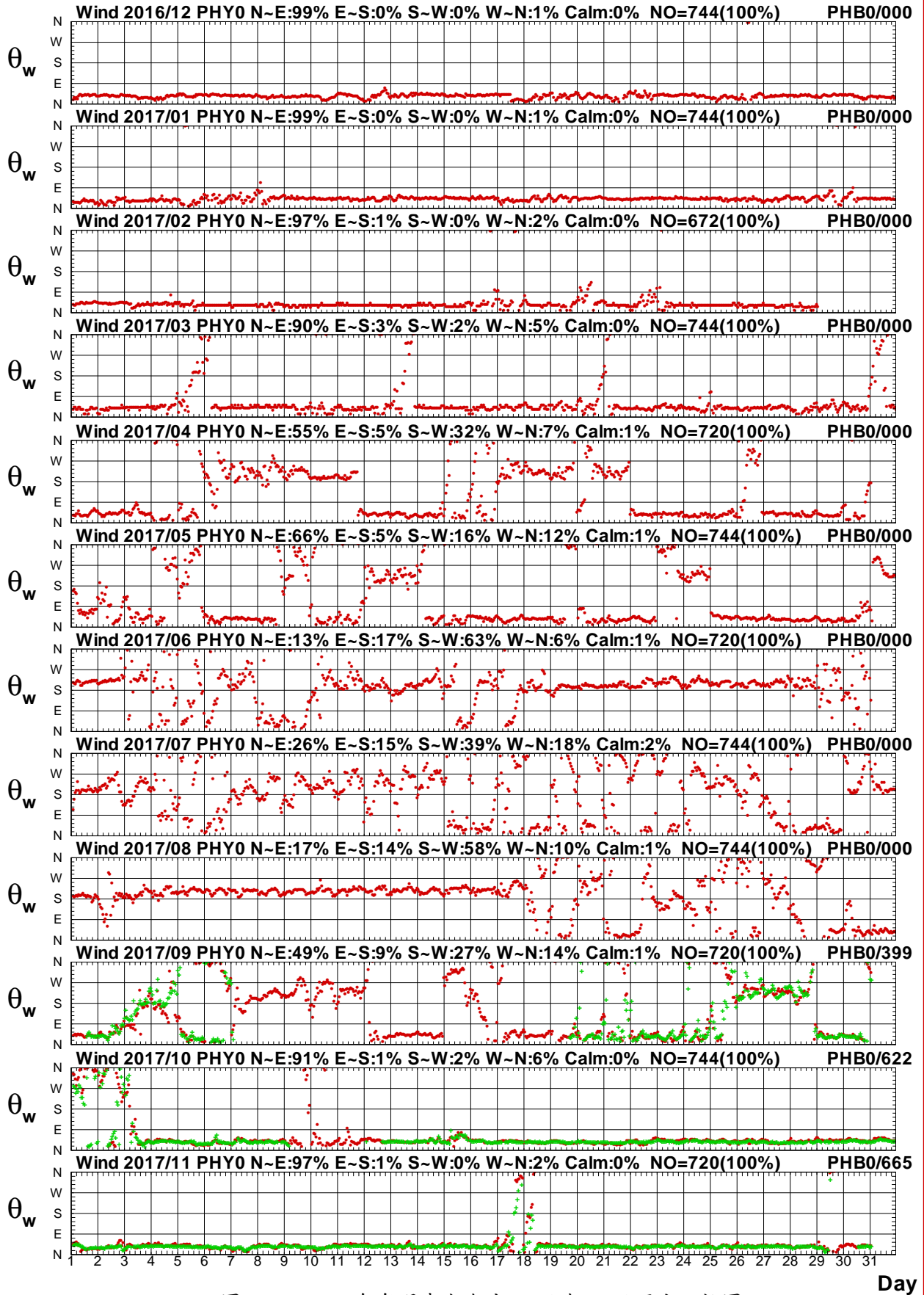


圖1.3b 2017年每月澎湖海域 Y 站與 B 站風向比較圖

W16CPHY0.1HA W16CPHB0.1HO W171PHY0.1HA W171PHB0.1HO W172PHY0.1HA W172PHB0.1HO
 W173PHY0.1HA W173PHB0.1HO W174PHY0.1HA W174PHB0.1HO W175PHY0.1HA W175PHB0.1HO

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

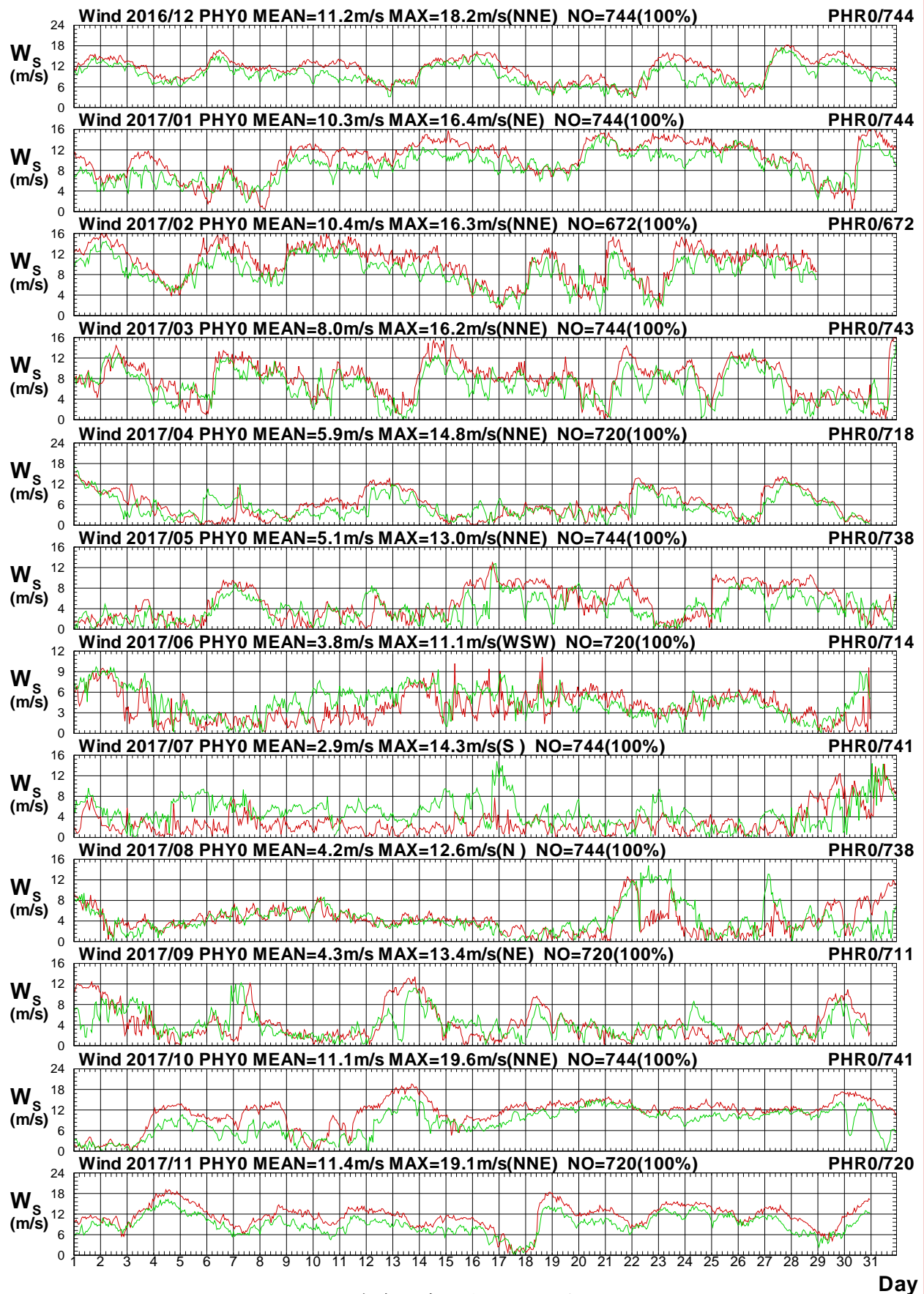


圖1.4a 2017年每月澎湖海域 Y 站與 R 站風速比較圖

W16CPHY0.1HA W16CPHR0.1H0 W171PHY0.1HA W171PHR0.1H0 W172PHY0.1HA W172PHR0.1H0
 W173PHY0.1HA W173PHR0.1H0 W174PHY0.1HA W174PHR0.1H0 W175PHY0.1HA W175PHR0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

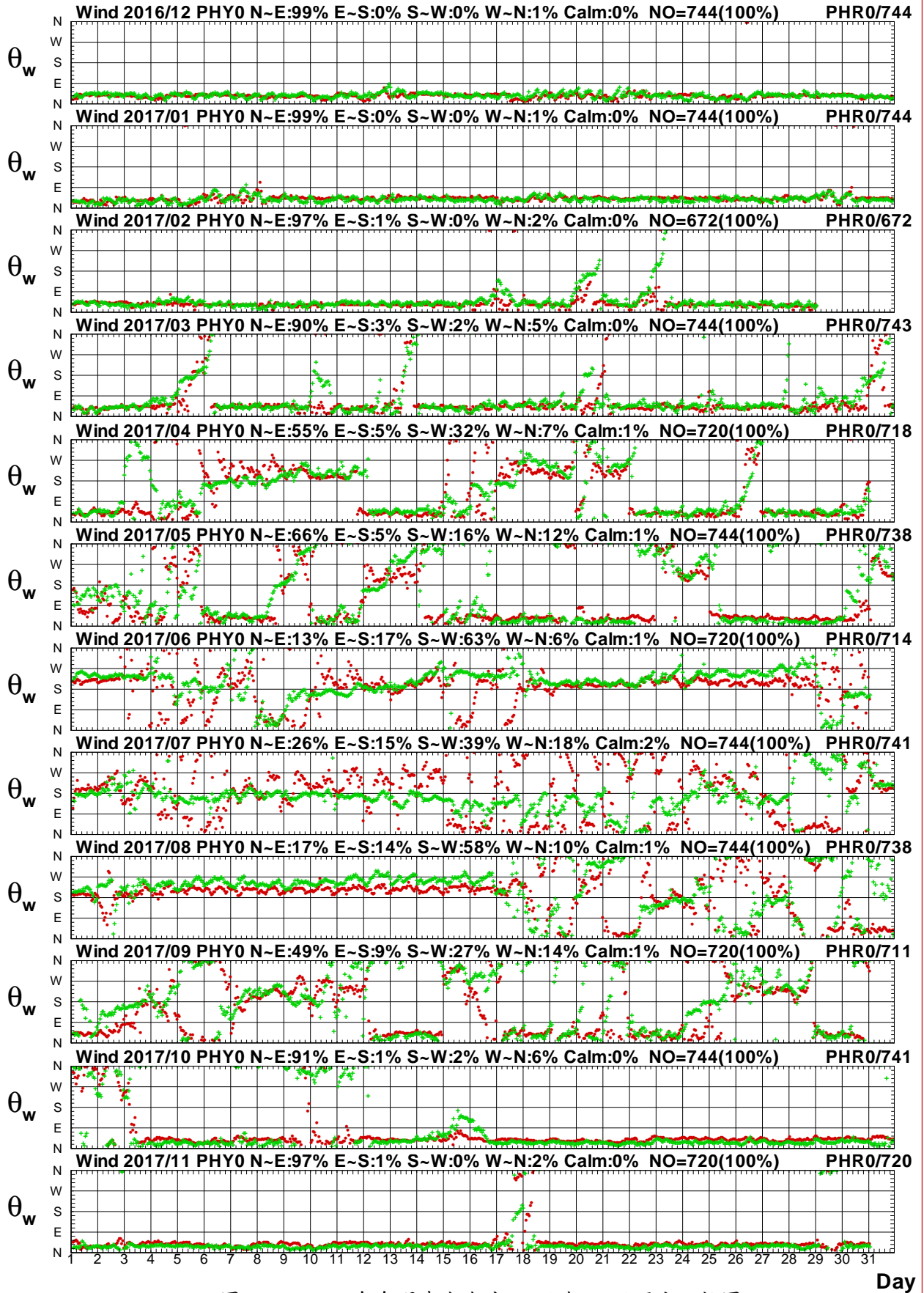


圖1.4b 2017年每月澎湖海域 Y 站與 R 站風向比較圖

W16CPHY0.1HA W16CPHR0.1H0 W171PHY0.1HA W171PHR0.1H0 W172PHY0.1HA W172PHR0.1H0
 W173PHY0.1HA W173PHR0.1H0 W174PHY0.1HA W174PHR0.1H0 W175PHY0.1HA W175PHR0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

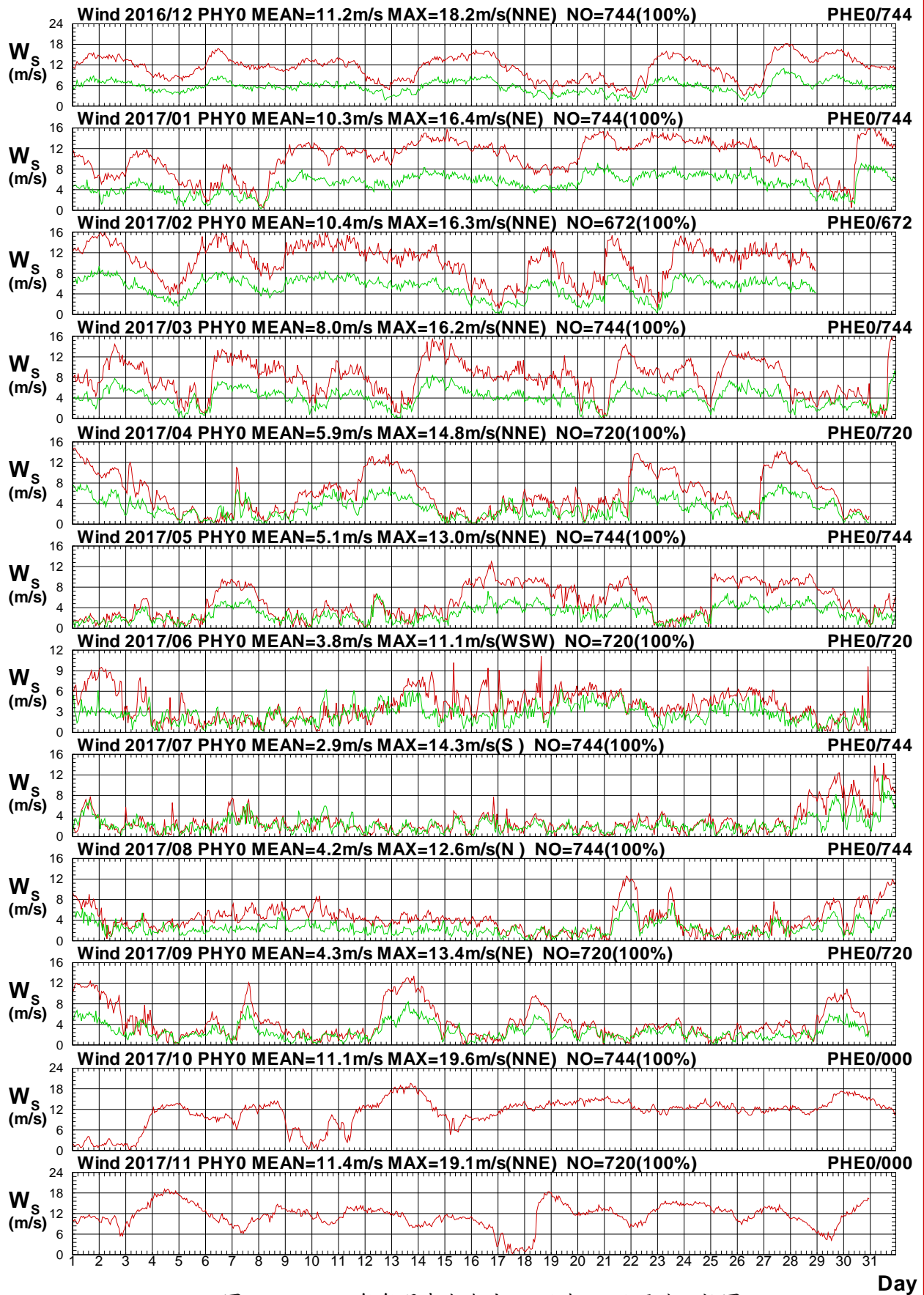


圖1.5a 2017年每月澎湖海域 Y 站與 E 站風速比較圖

W16CPHY0.1HA W16CPHE0.1HO W171PHY0.1HA W171PHE0.1HO W172PHY0.1HA W172PHE0.1HO
W173PHY0.1HA W173PHE0.1HO W174PHY0.1HA W174PHE0.1HO W175PHY0.1HA W175PHE0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

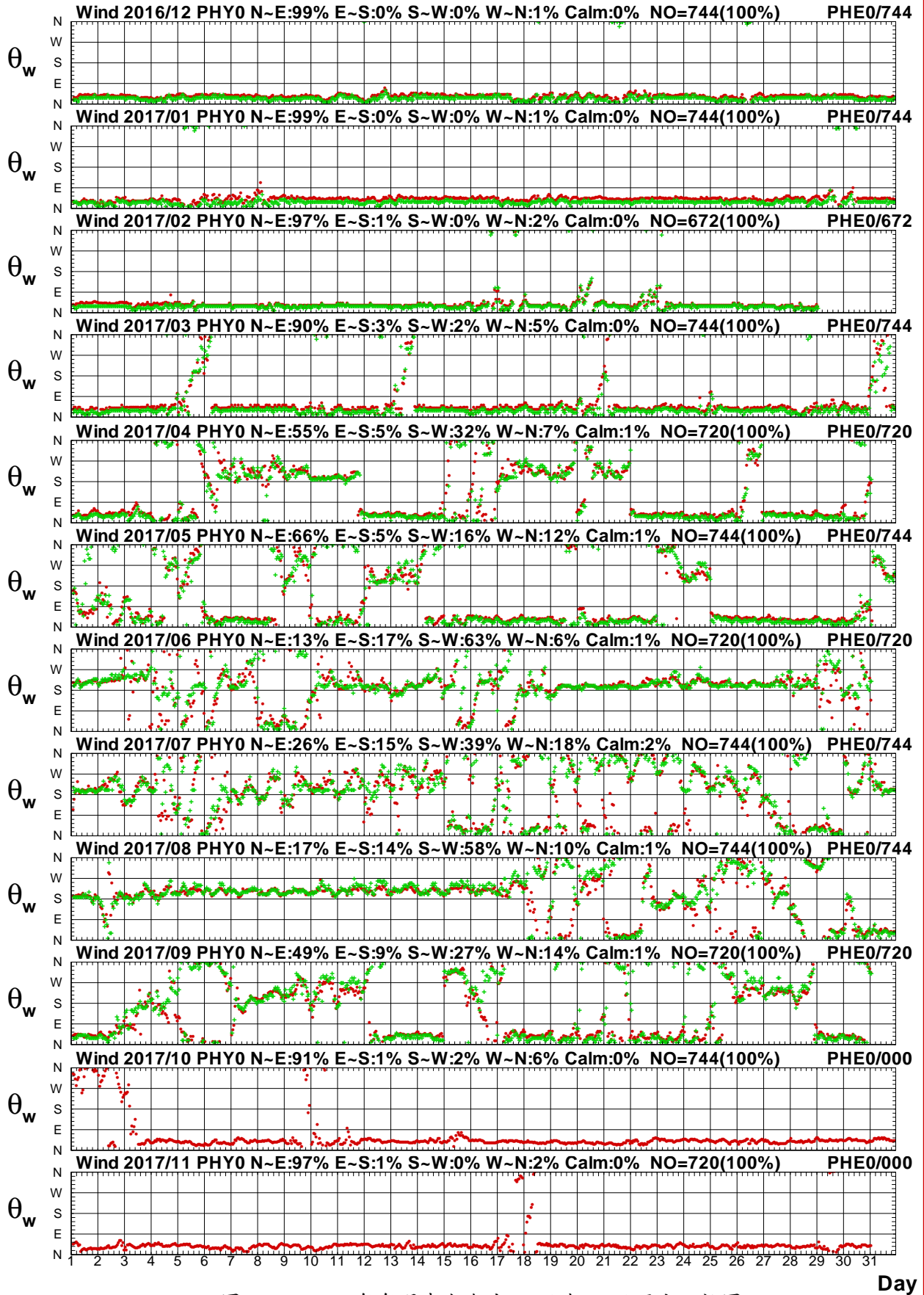


圖 1.5b 2017年每月澎湖海域 Y 站與 E 站風向比較圖

W16CPHY0.1HA W16CPHE0.1HO W171PHY0.1HA W171PHE0.1HO W172PHY0.1HA W172PHE0.1HO
 W173PHY0.1HA W173PHE0.1HO W174PHY0.1HA W174PHE0.1HO W175PHY0.1HA W175PHE0.1HO

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

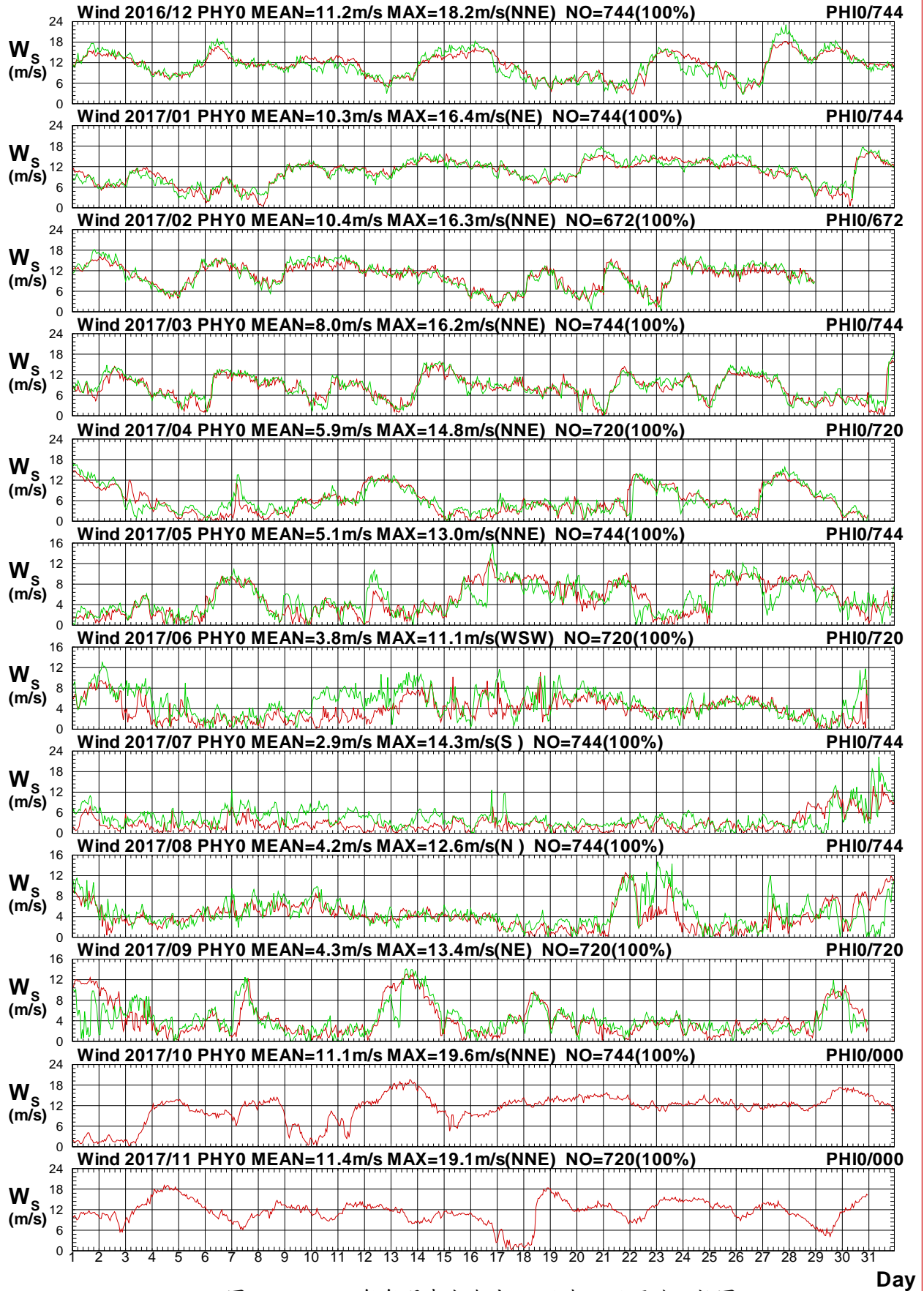


圖1.6a 2017年每月澎湖海域 Y 站與 I 站風速比較圖

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 W173PHY0.1HA W173PHI0.1H0 W174PHY0.1HA W174PHI0.1H0 W175PHY0.1HA W175PHI0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

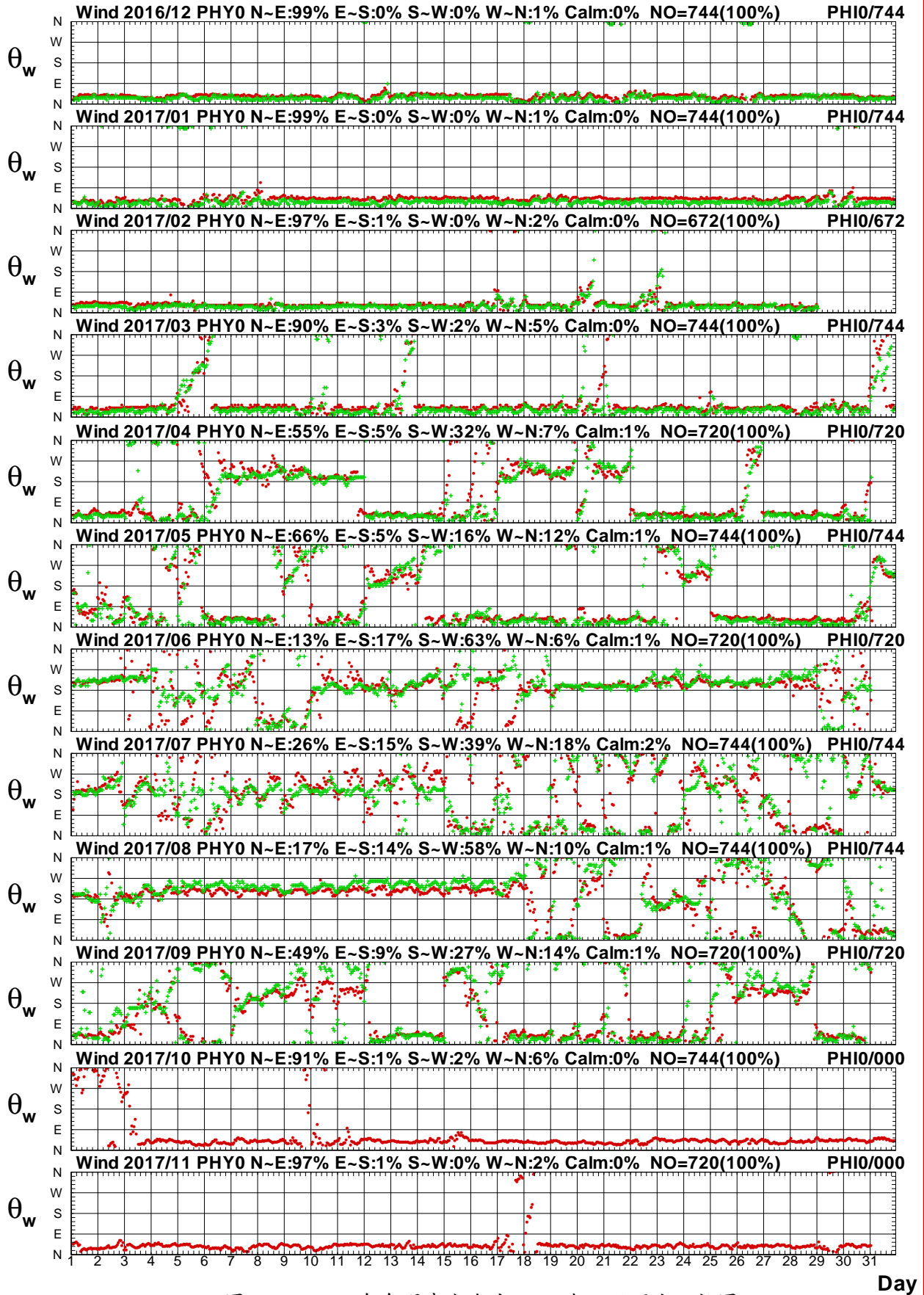


圖1.6b 2017年每月澎湖海域 Y 站與 I 站風向比較圖

W16CPHY0.1HA W16CPHI0.1H0 W171PHY0.1HA W171PHI0.1H0 W172PHY0.1HA W172PHI0.1H0
 W173PHY0.1HA W173PHI0.1H0 W174PHY0.1HA W174PHI0.1H0 W175PHY0.1HA W175PHI0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

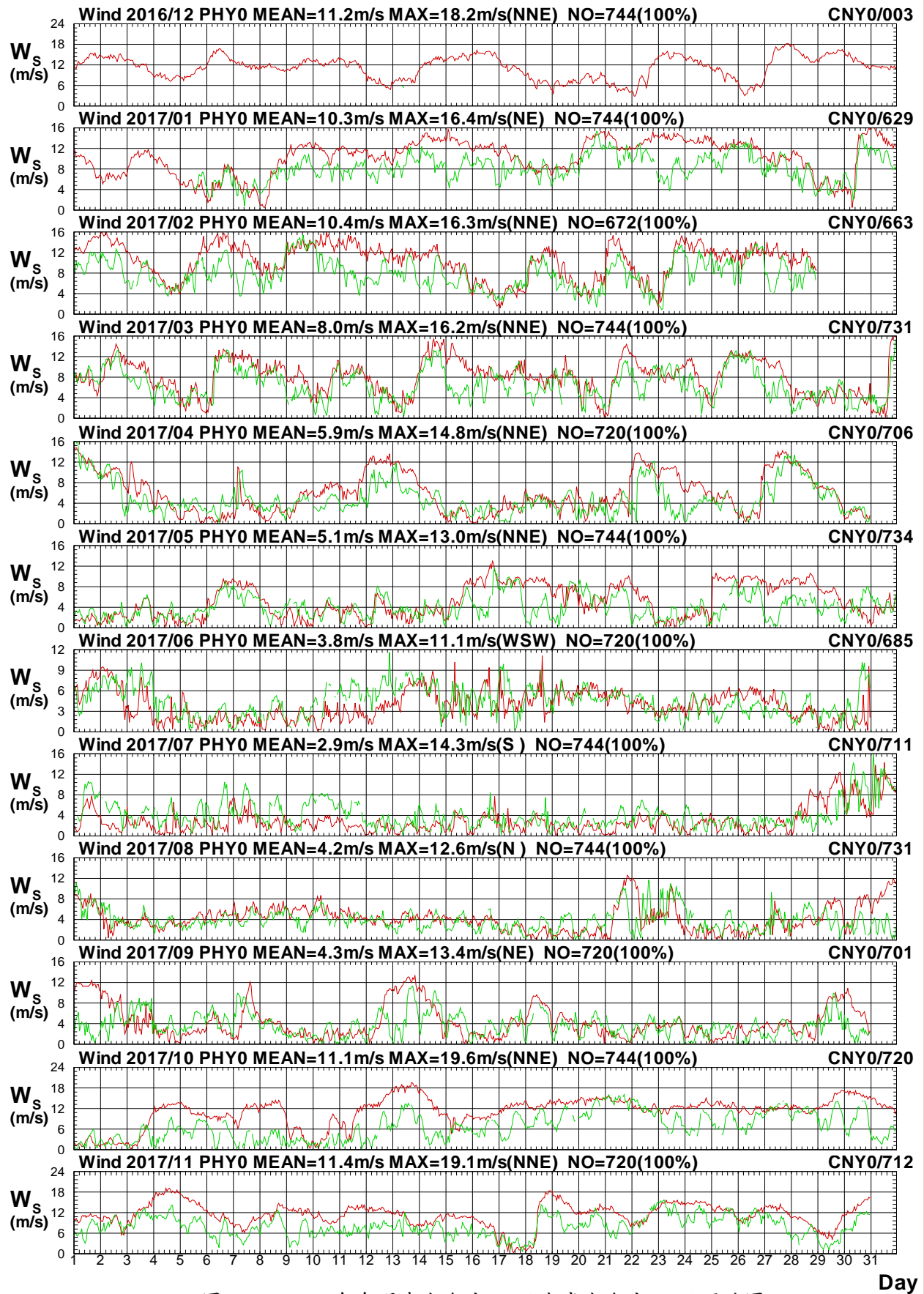


圖1.7a 2017年每月澎湖海域 Y 站與嘉南海域 Y 站風速圖

W16CPHY0.1HA W16CCNY0.1H0 W171PHY0.1HA W171CNY0.1H0 W172PHY0.1HA W172CNY0.1H0
 W173PHY0.1HA W173CNY0.1H0 W174PHY0.1HA W174CNY0.1H0 W175PHY0.1HA W175CNY0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

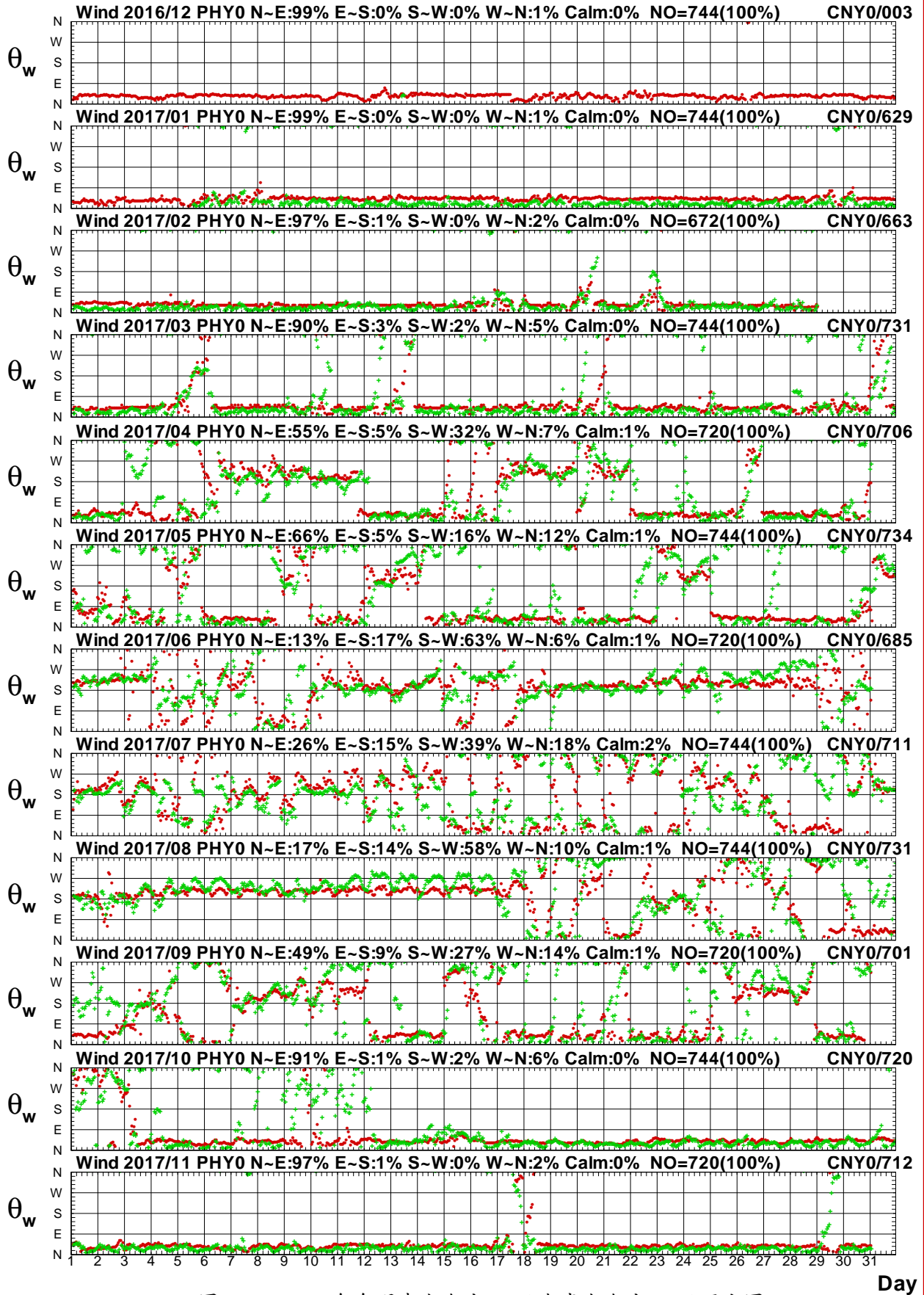


圖1.7b 2017年每月澎湖海域 Y 站與嘉南海域 Y 站風向圖

W16CPHY0.1HA W16CCNY0.1H0 W171PHY0.1HA W171CNY0.1H0 W172PHY0.1HA W172CNY0.1H0
 W173PHY0.1HA W173CNY0.1H0 W174PHY0.1HA W174CNY0.1H0 W175PHY0.1HA W175CNY0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

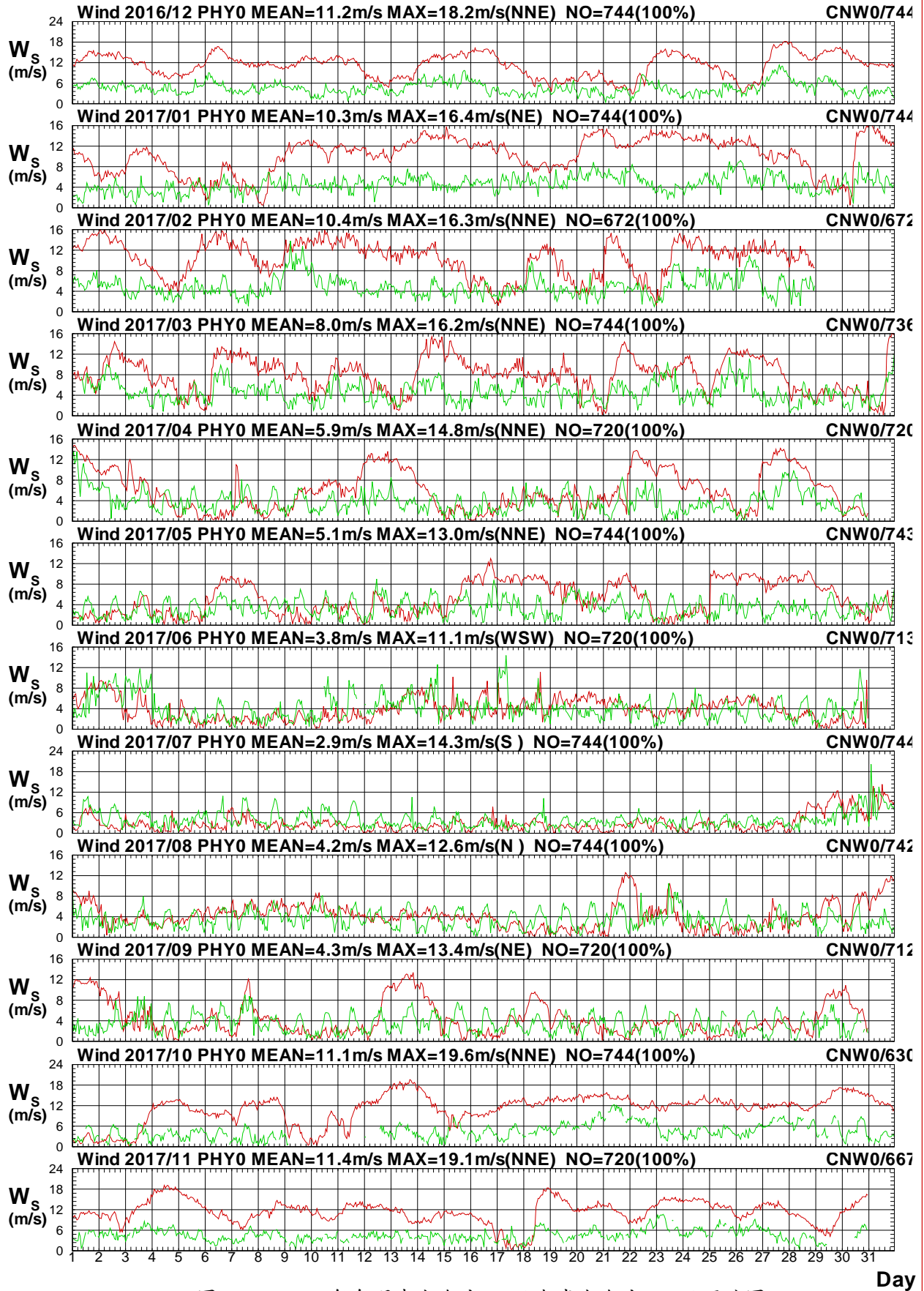


圖1.8a 2017年每月澎湖海域 Y 站與嘉南海域 W 站風速圖

W16CPHY0.1HA W16CCNW0.1H0 W171PHY0.1HA W171CNW0.1H0 W172PHY0.1HA W172CNW0.1H0
 W173PHY0.1HA W173CNW0.1H0 W174PHY0.1HA W174CNW0.1H0 W175PHY0.1HA W175CNW0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

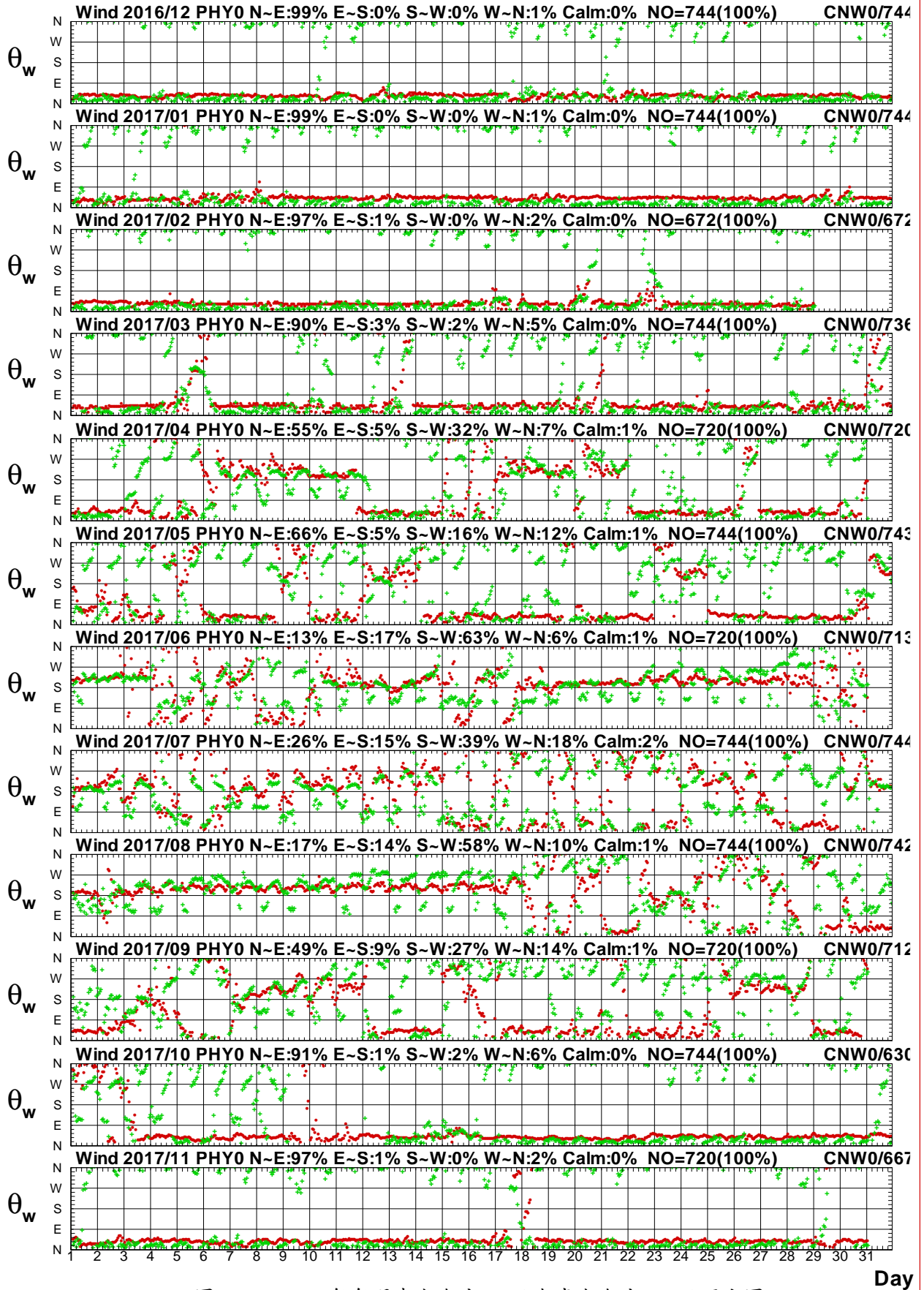


圖1.8b 2017年每月澎湖海域 Y 站與嘉南海域 W 站風向圖

W16CPHY0.1HA W16CCNW0.1HO W171PHY0.1HA W171CNW0.1HO W172PHY0.1HA W172CNW0.1HO
 W173PHY0.1HA W173CNW0.1HO W174PHY0.1HA W174CNW0.1HO W175PHY0.1HA W175CNW0.1HO

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

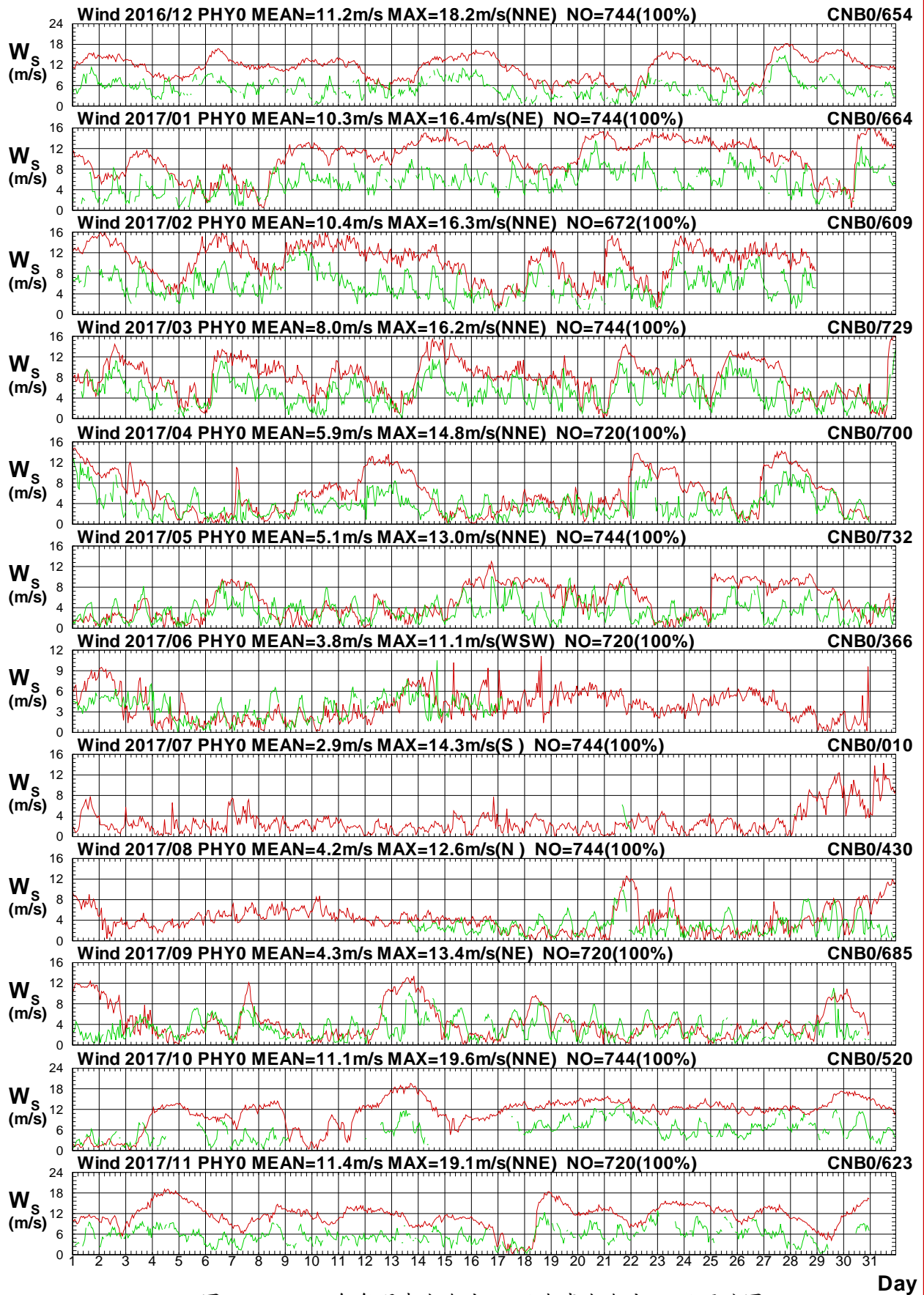


圖1.9a 2017年每月澎湖海域 Y 站與嘉南海域 B 站風速圖

W16CPHY0.1HA W16CCNB0.1HO W171PHY0.1HA W171CNB0.1HO W172PHY0.1HA W172CNB0.1HO
 W173PHY0.1HA W173CNB0.1HO W174PHY0.1HA W174CNB0.1HO W175PHY0.1HA W175CNB0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

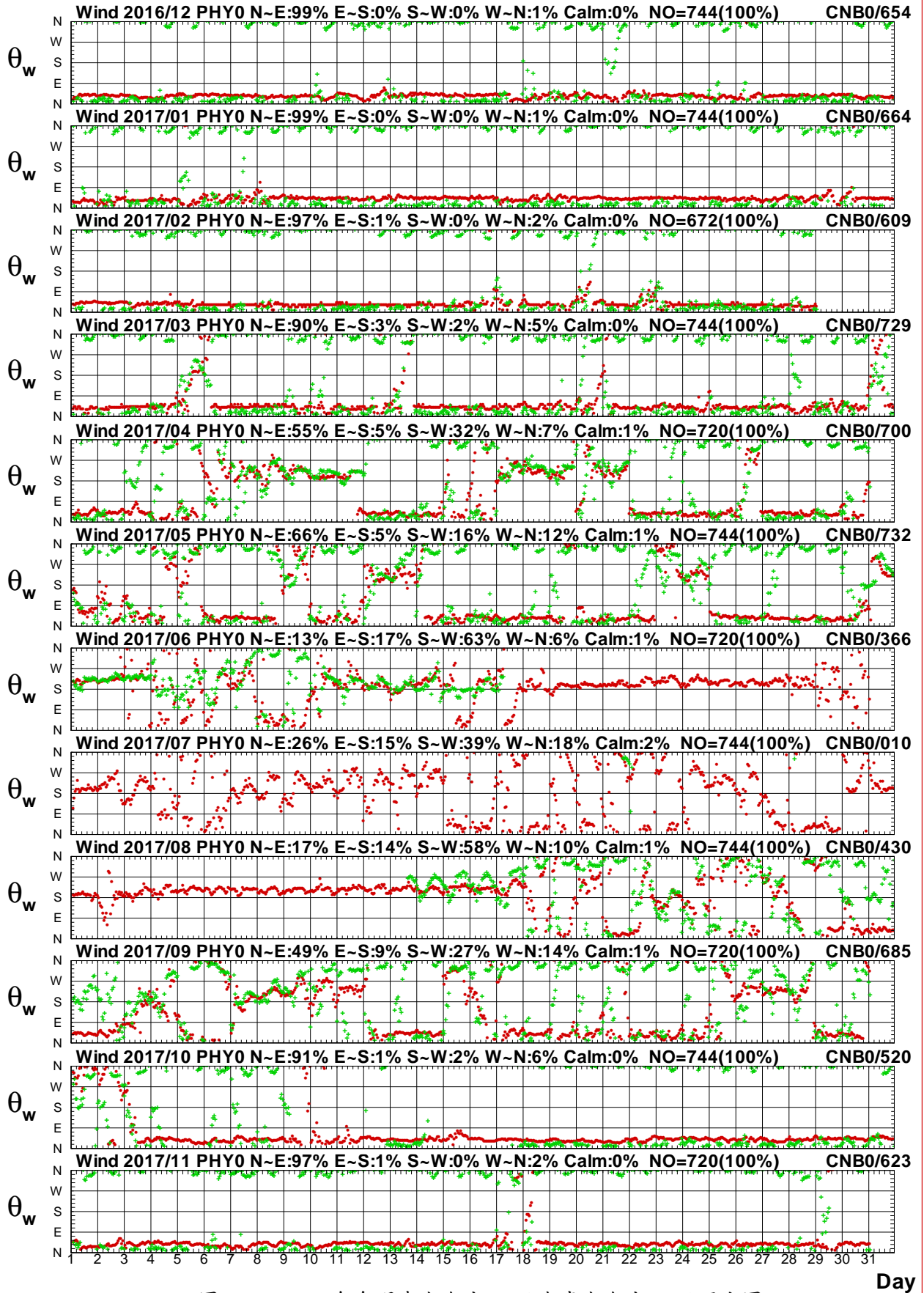


圖1.9b 2017年每月澎湖海域 Y 站與嘉南海域 B 站風向圖

W16CPHY0.1HA W16CCNB0.1HO W171PHY0.1HA W171CNB0.1HO W172PHY0.1HA W172CNB0.1HO
 W173PHY0.1HA W173CNB0.1HO W174PHY0.1HA W174CNB0.1HO W175PHY0.1HA W175CNB0.1HO

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

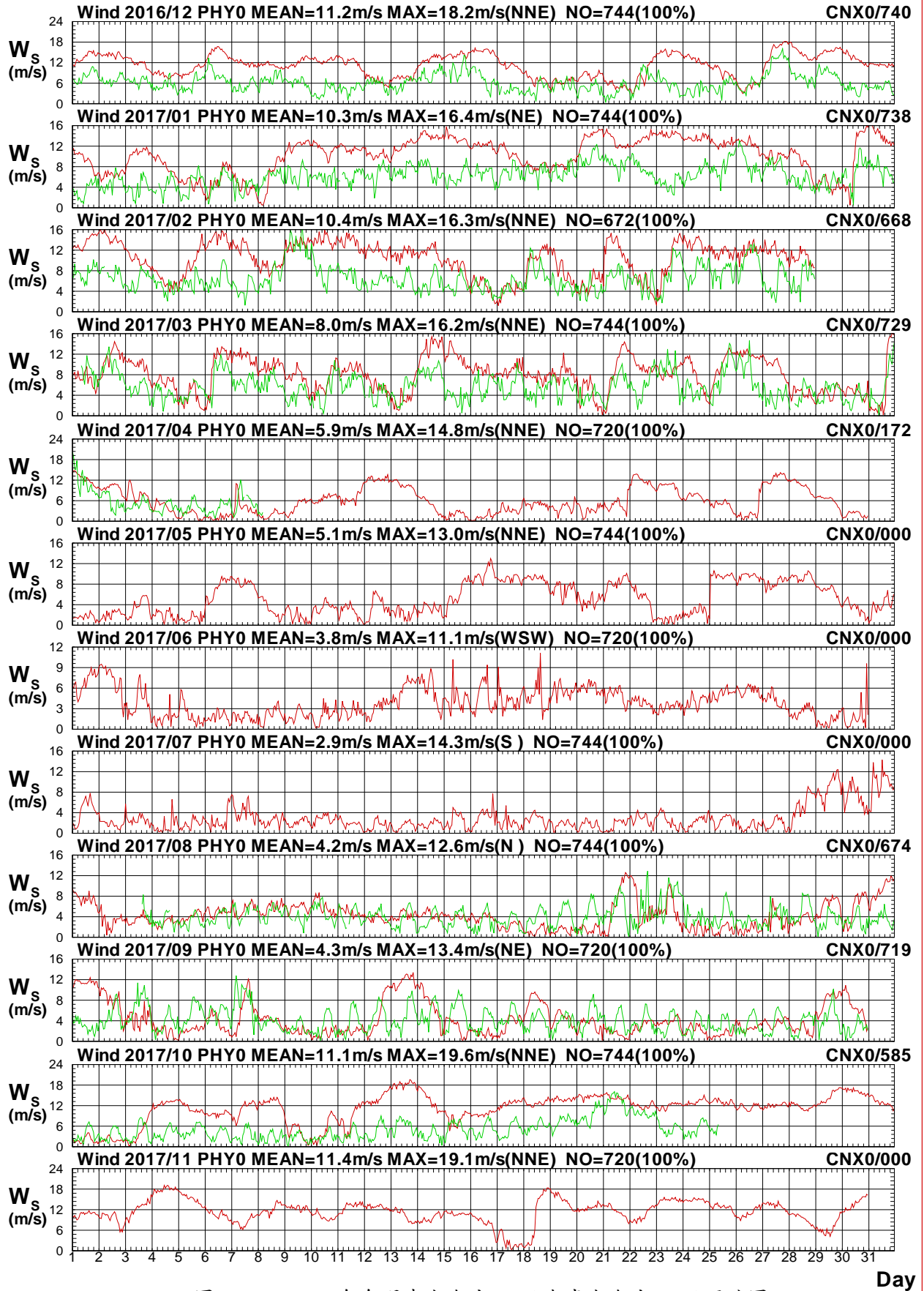


圖1.10a 2017年每月澎湖海域 Y 站與嘉南海域 X 站風速圖

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 W173PHY0.1HA W173CNX0.1H0 W174PHY0.1HA W174CNX0.1H0 W175PHY0.1HA W175CNX0.1H0
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Wind Direction in Peng-Hu Seas of PHY0 at 2017

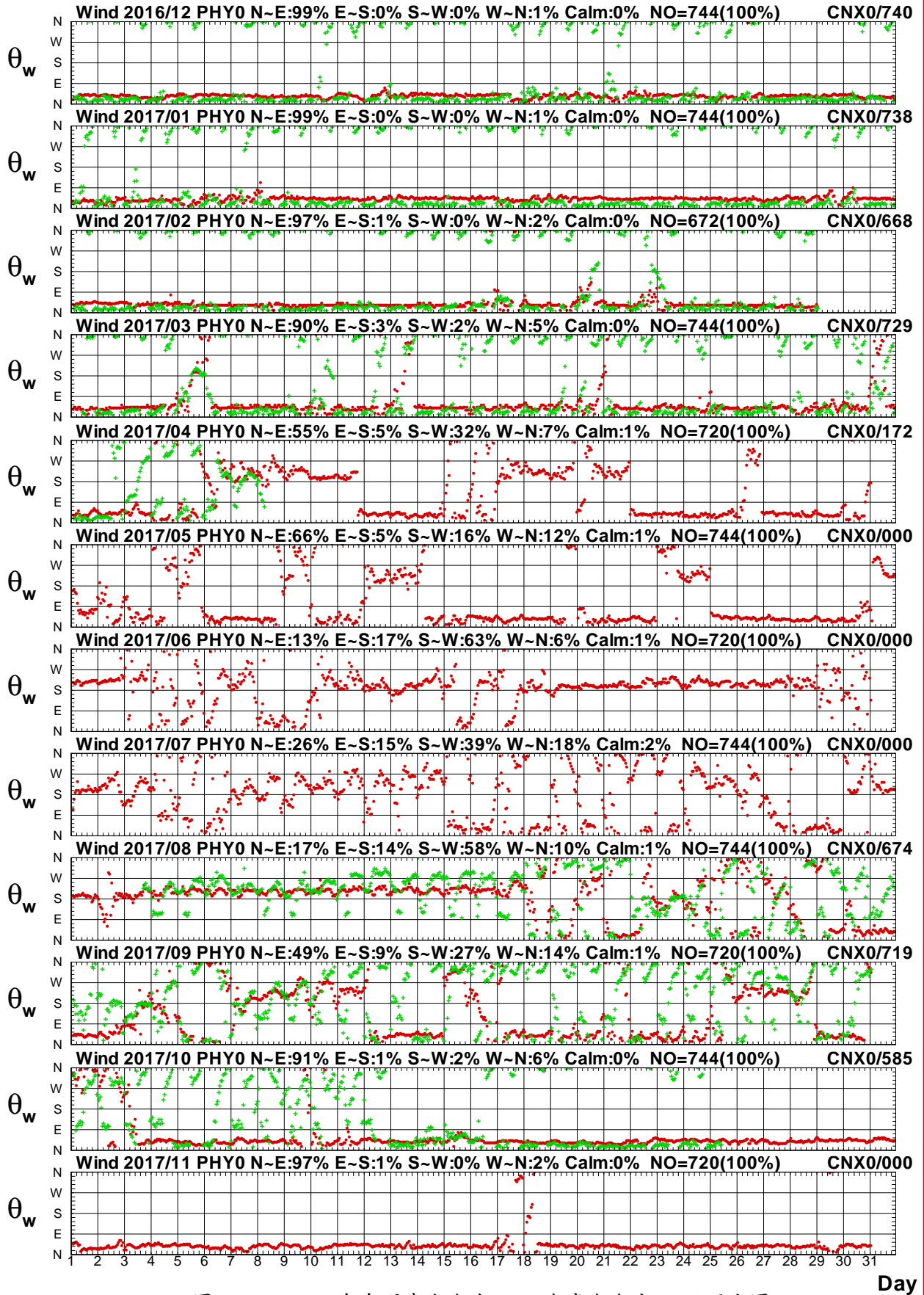


圖1.10b 2017年每月澎湖海域 Y 站與嘉南海域 X 站風向圖

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 W173PHY0.1HA W173CNX0.1HO W174PHY0.1HA W174CNX0.1HO W175PHY0.1HA W175CNX0.1HO

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

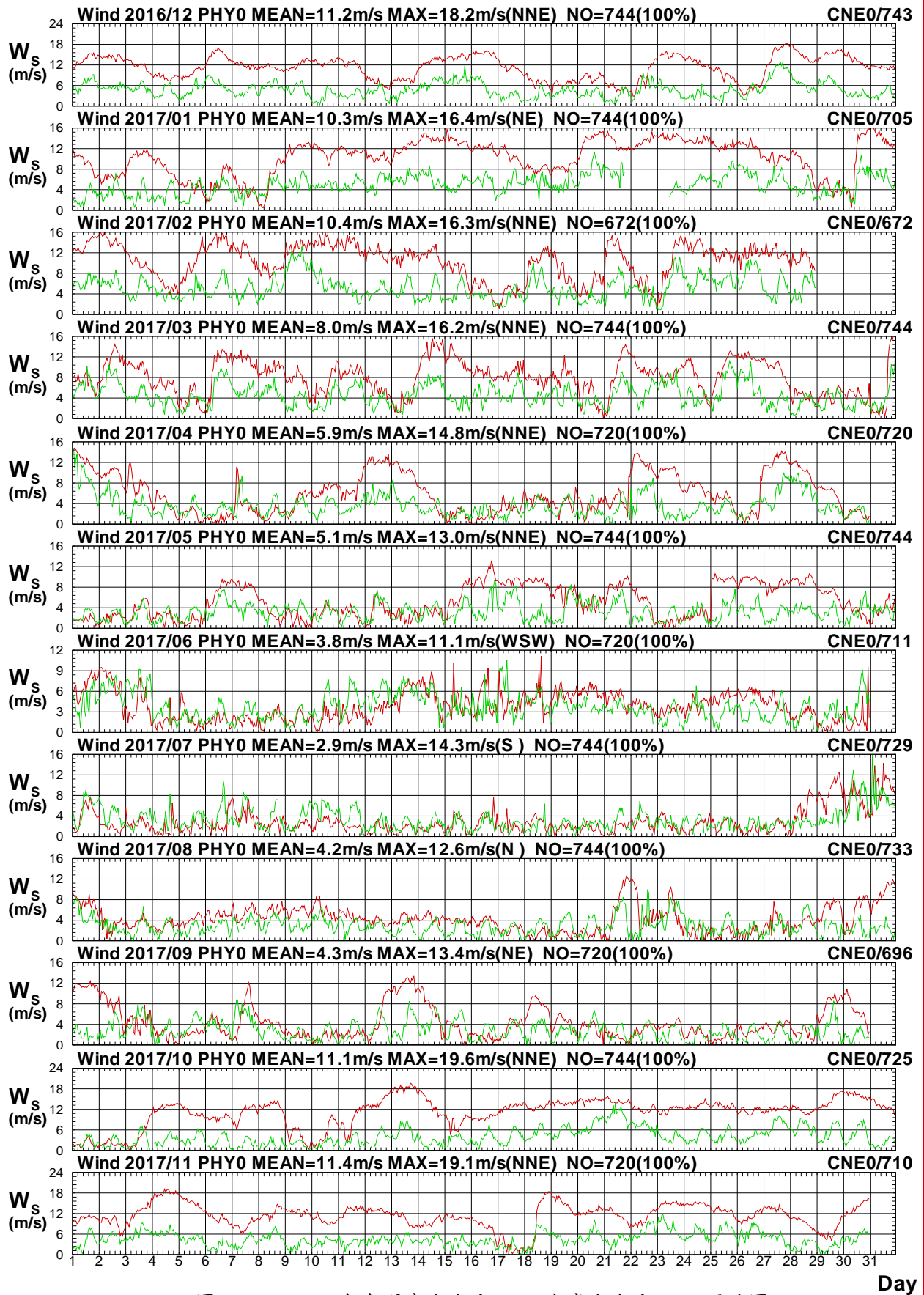


圖1.11a 2017年每月澎湖海域 Y 站與嘉南海域 E 站風速圖

W16CPHY0.1HA W16CCNE0.1H0 W171PHY0.1HA W171CNE0.1H0 W172PHY0.1HA W172CNE0.1H0
 W173PHY0.1HA W173CNE0.1H0 W174PHY0.1HA W174CNE0.1H0 W175PHY0.1HA W175CNE0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

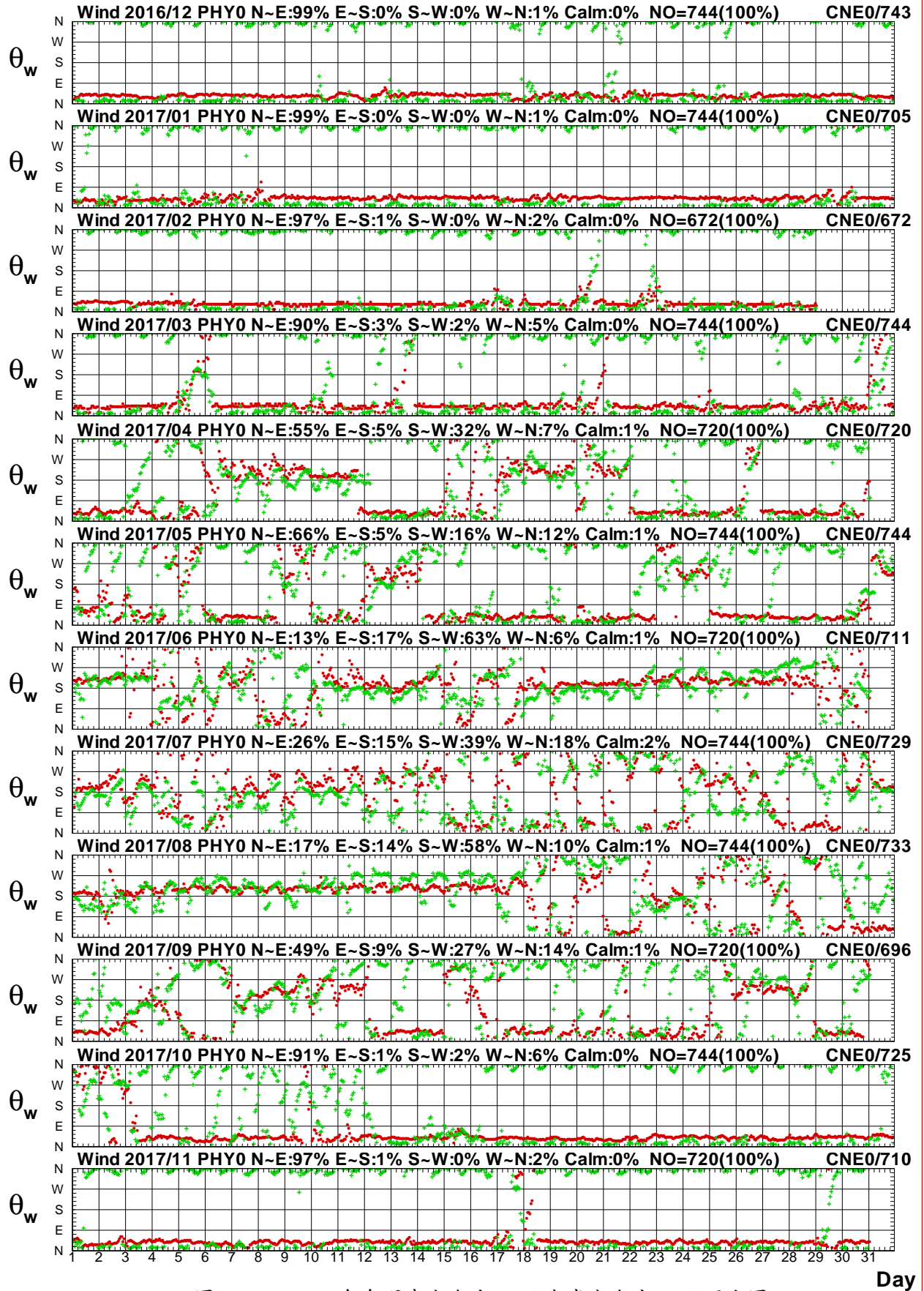


圖1.11b 2017年每月澎湖海域 Y 站與嘉南海域 E 站風向圖

Wind Speed in Peng-Hu Seas of PHY0 at 2017

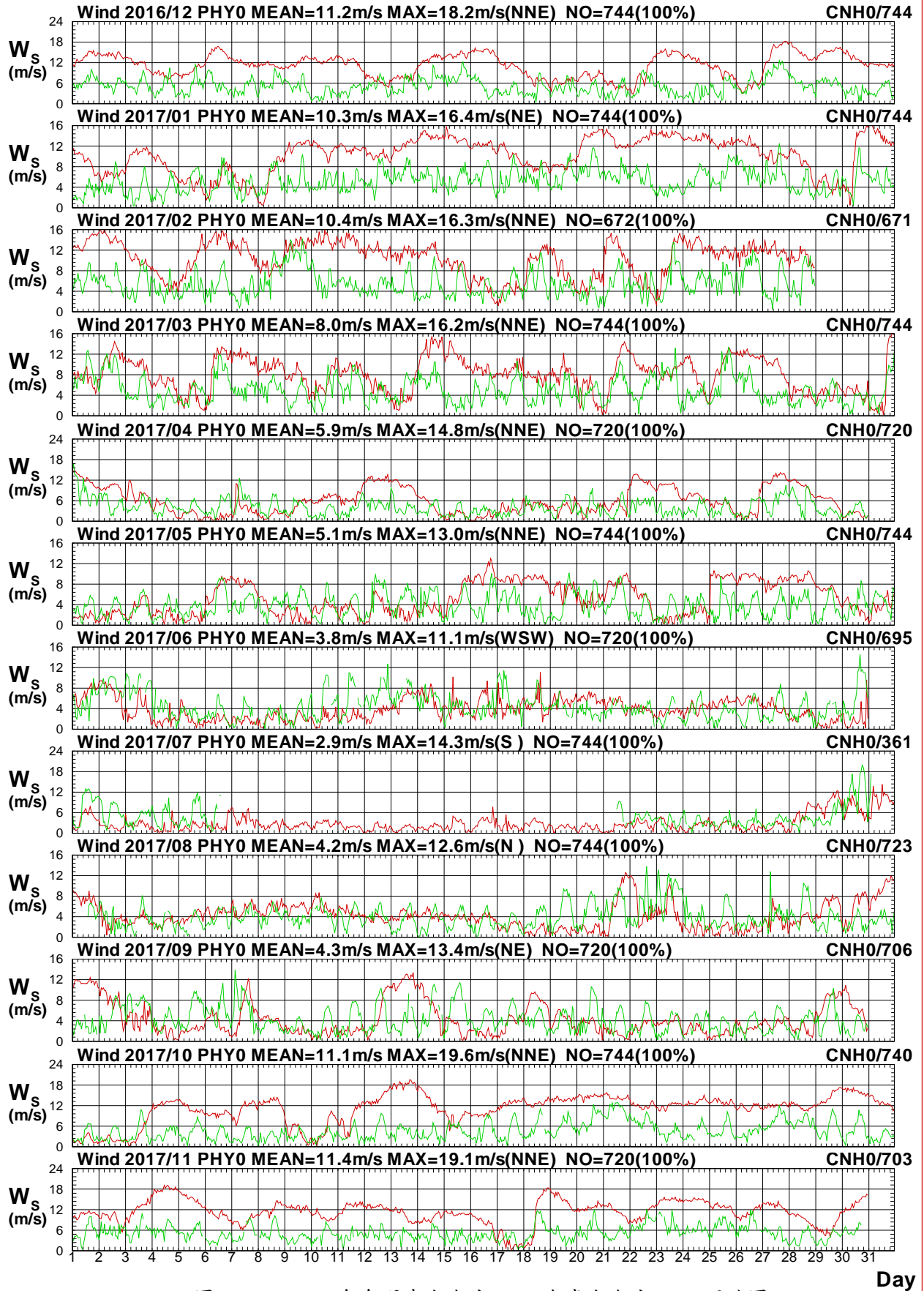


圖1.12a 2017年每月澎湖海域 Y 站與嘉南海域 H 站風速圖

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

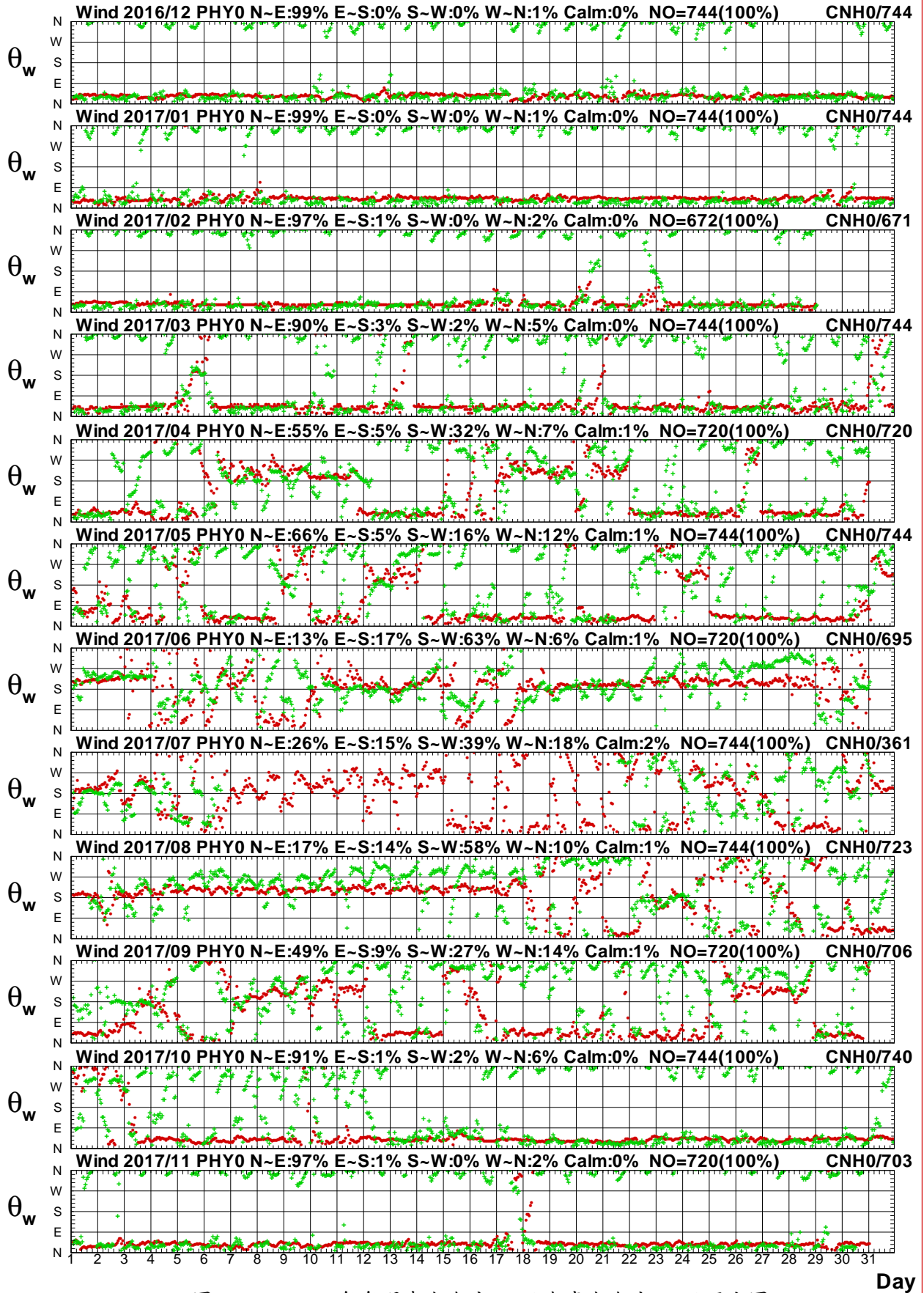


圖1.12b 2017年每月澎湖海域 Y 站與嘉南海域 H 站風向圖

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

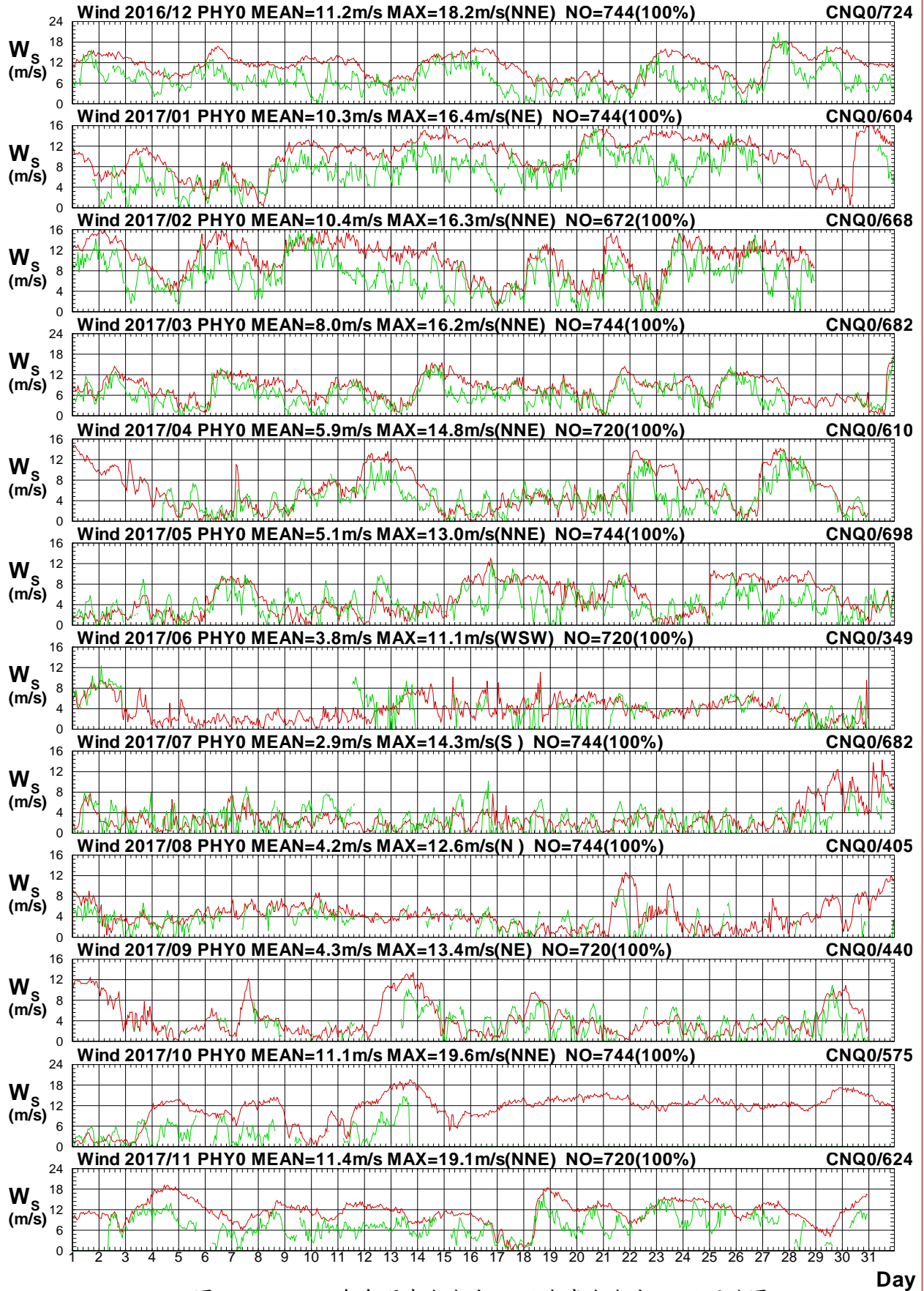


圖1.13a 2017年每月澎湖海域 Y 站與嘉南海域 Q 站風速圖

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

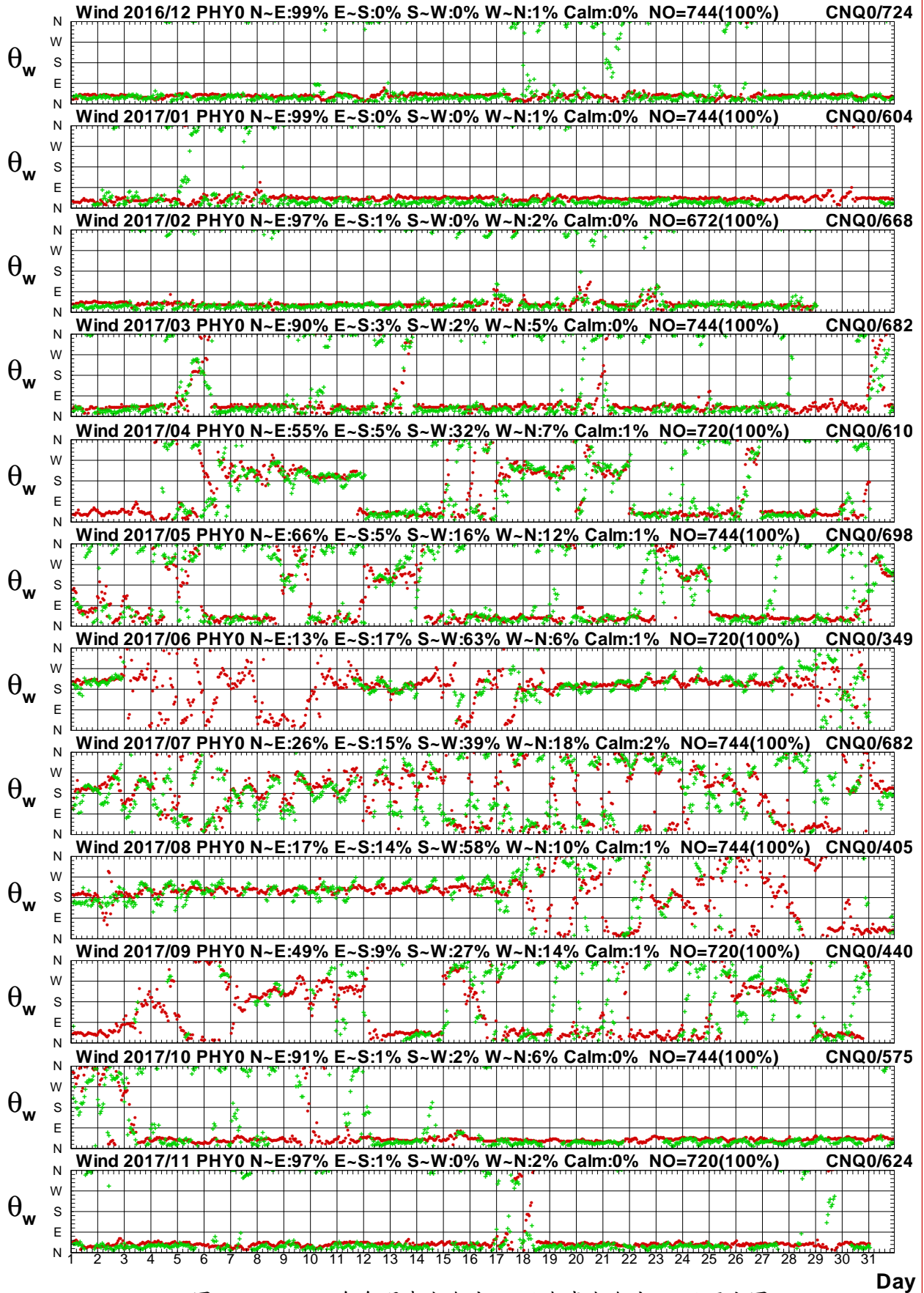


圖1.13b 2017年每月澎湖海域 Y 站與嘉南海域 Q 站風向圖

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 W173PHY0.1HA W173CNQ0.1H0 W174PHY0.1HA W174CNQ0.1H0 W175PHY0.1HA W175CNQ0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

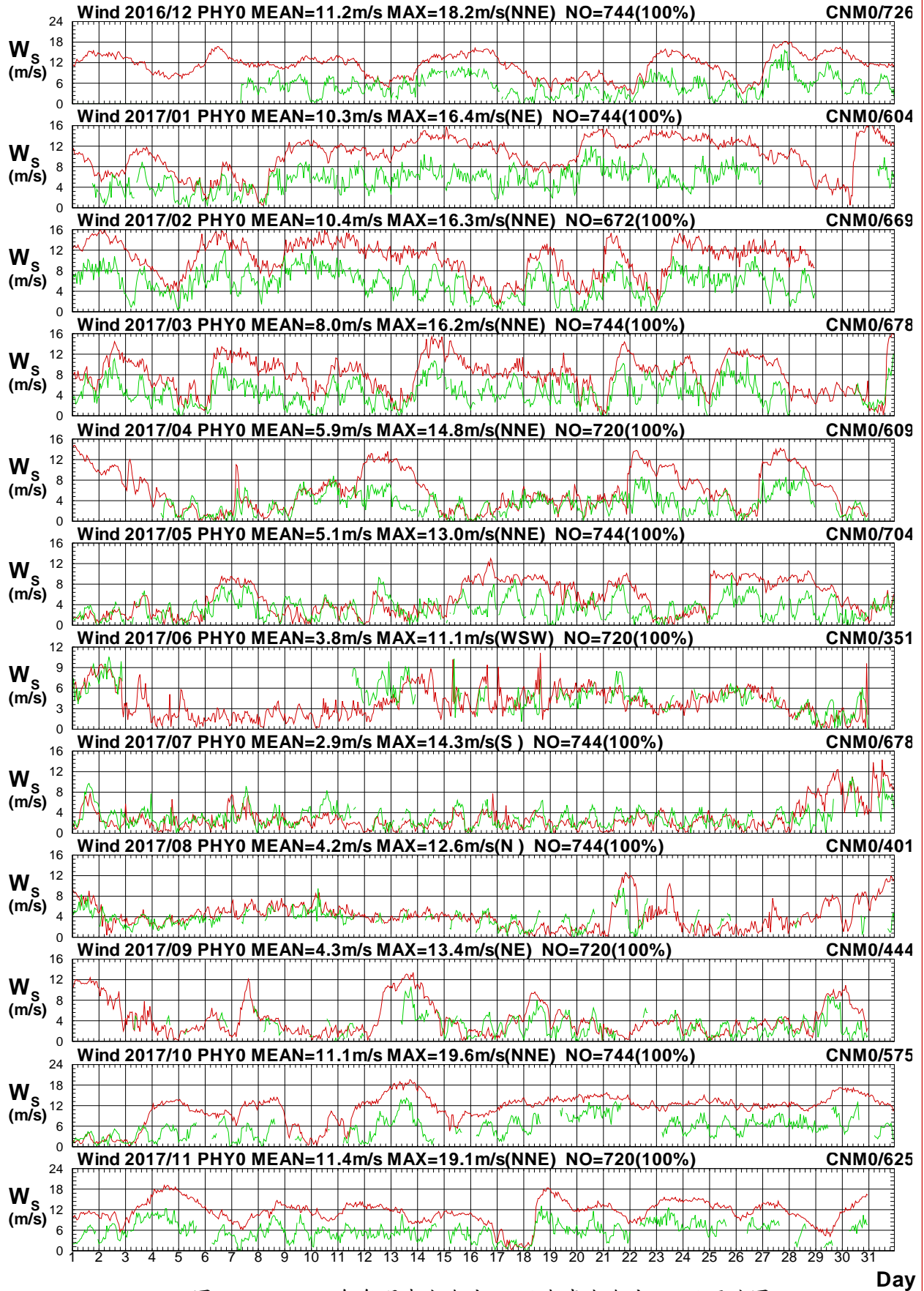


圖1.14a 2017年每月澎湖海域 Y 站與嘉南海域 M 站風速圖

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 W173PHY0.1HA W173CNM0.1H0 W174PHY0.1HA W174CNM0.1H0 W175PHY0.1HA W175CNM0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

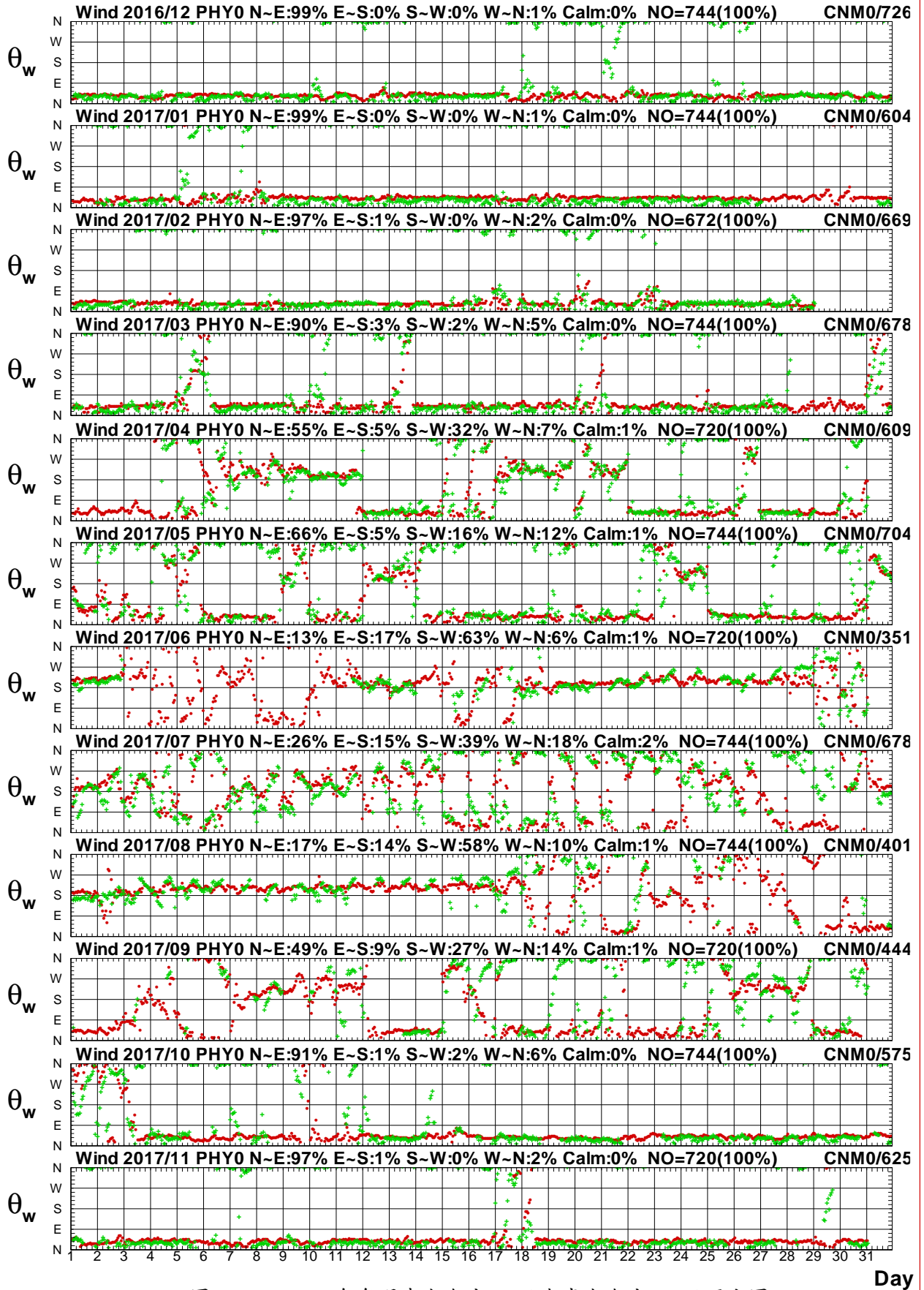


圖1.14b 2017年每月澎湖海域 Y 站與嘉南海域 M 站風向圖

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 W173PHY0.1HA W173CNM0.1H0 W174PHY0.1HA W174CNM0.1H0 W175PHY0.1HA W175CNM0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

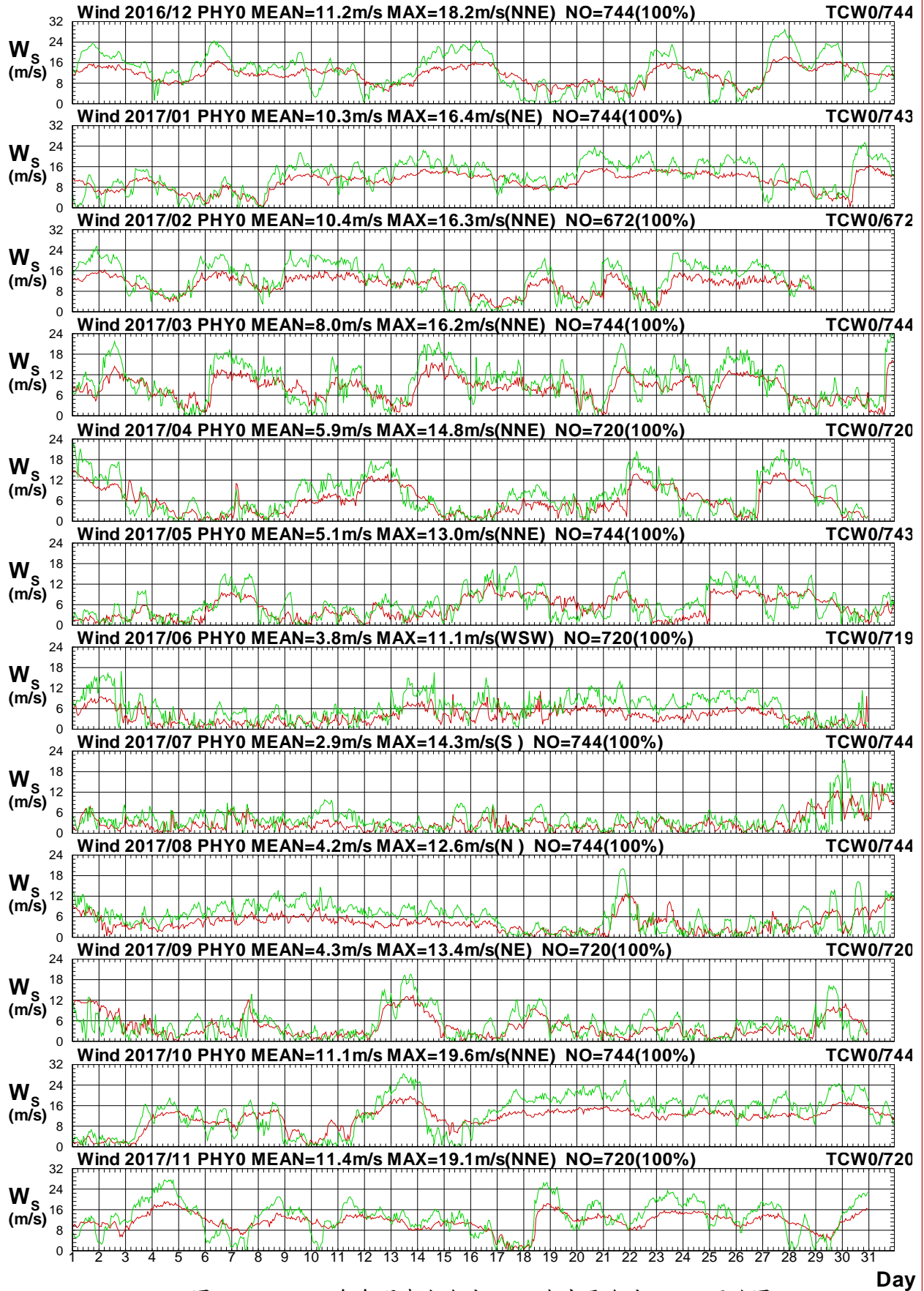


圖1.15a 2017年每月澎湖海域 Y 站與中雲海域 W 站風速圖

W16CPHY0.1HA W16CTCW0.1H0 W171PHY0.1HA W171TCW0.1H0 W172PHY0.1HA W172TCW0.1H0
 W173PHY0.1HA W173TCW0.1H0 W174PHY0.1HA W174TCW0.1H0 W175PHY0.1HA W175TCW0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

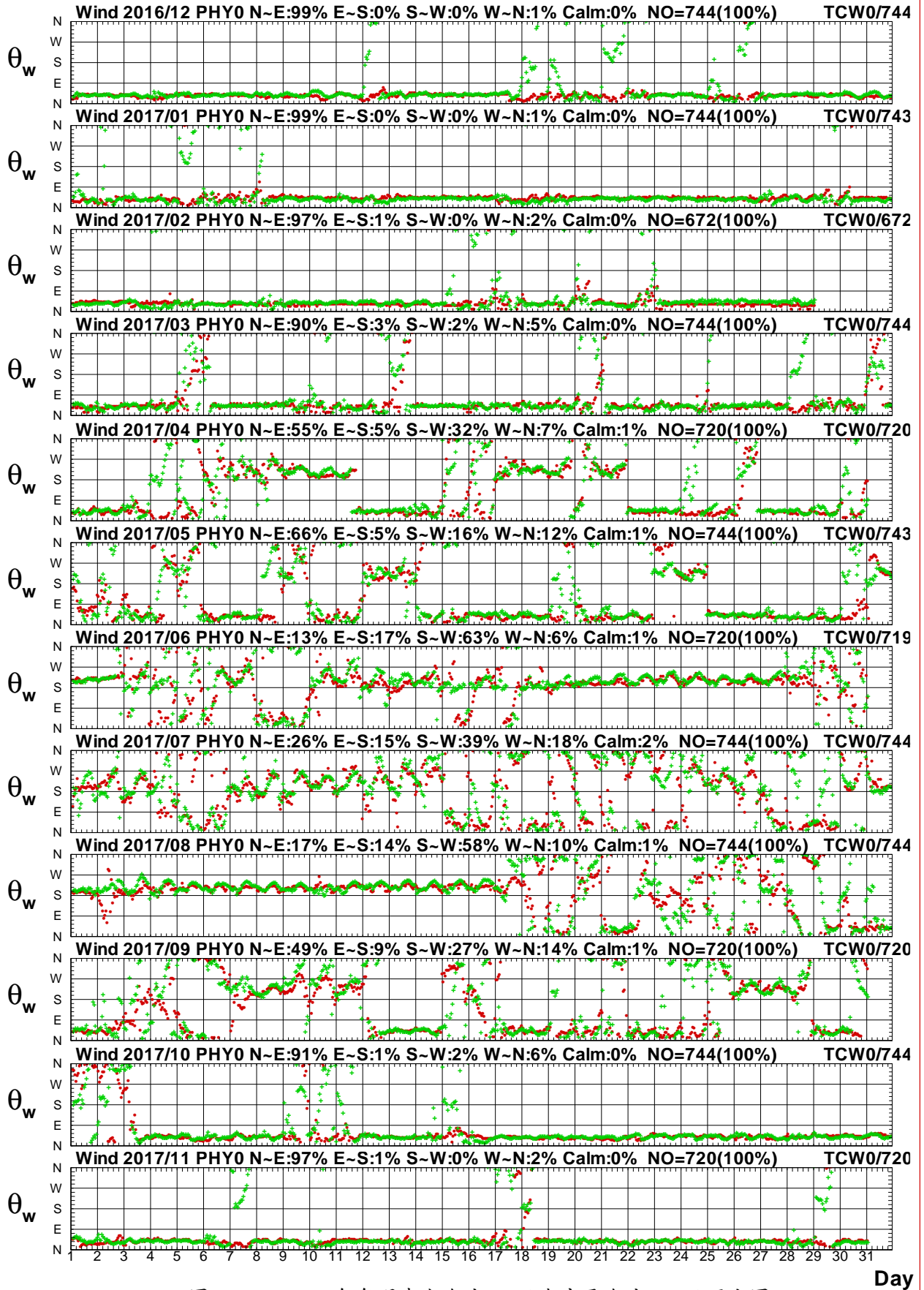


圖1.15b 2017年每月澎湖海域 Y 站與中雲海域 W 站風向圖

W16CPHY0.1HA W16CTCW0.1H0 W171PHY0.1HA W171TCW0.1H0 W172PHY0.1HA W172TCW0.1H0
 W173PHY0.1HA W173TCW0.1H0 W174PHY0.1HA W174TCW0.1H0 W175PHY0.1HA W175TCW0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

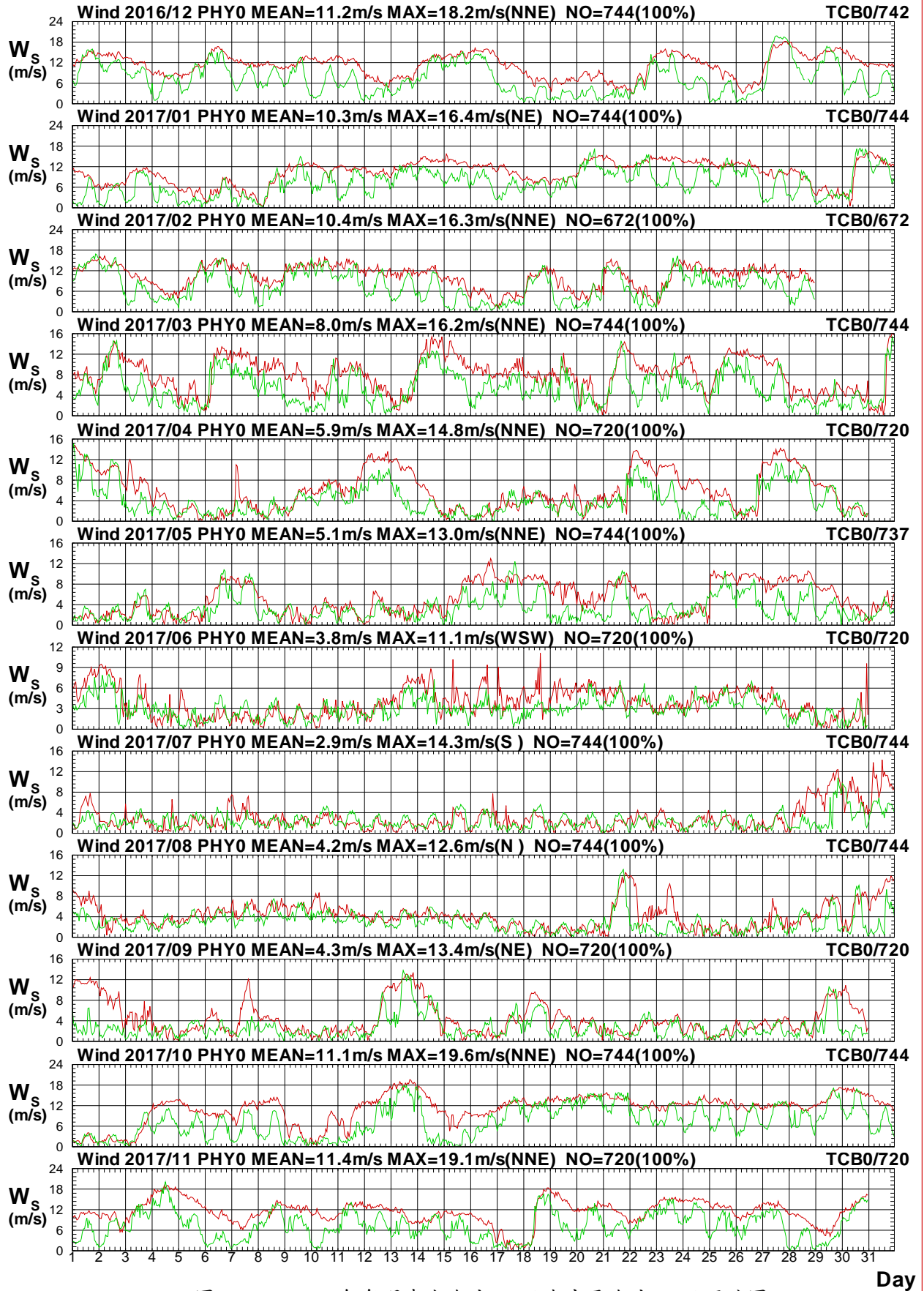


圖1.16a 2017年每月澎湖海域 Y 站與中雲海域 B 站風速圖

W16CPHY0.1HA W16CTCB0.1H0 W171PHY0.1HA W171TCB0.1H0 W172PHY0.1HA W172TCB0.1H0
 W173PHY0.1HA W173TCB0.1H0 W174PHY0.1HA W174TCB0.1H0 W175PHY0.1HA W175TCB0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

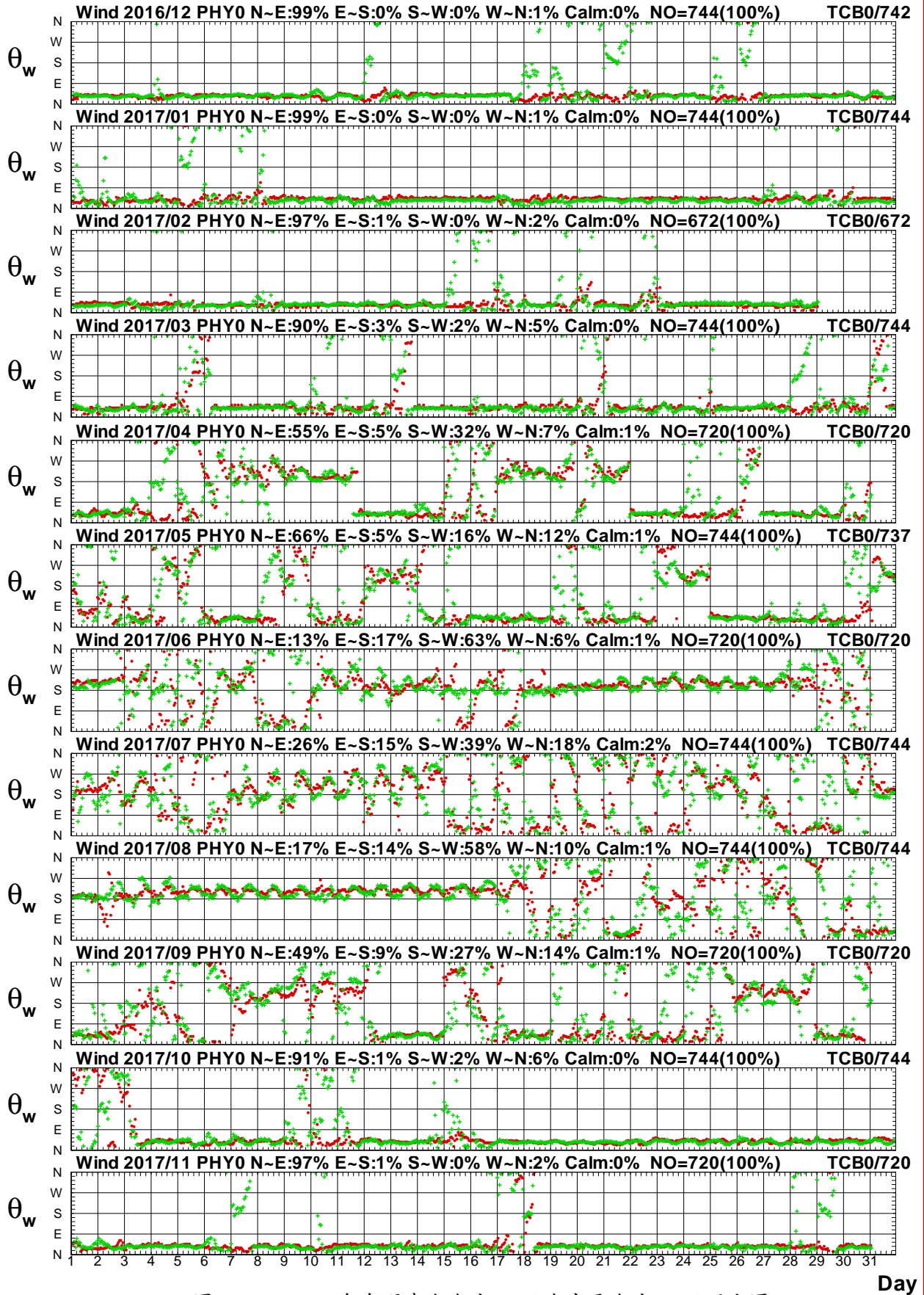


圖1.16b 2017年每月澎湖海域 Y 站與中雲海域 B 站風向圖

W16CPHY0.1HA W16CTCB0.1H0 W171PHY0.1HA W171TCB0.1H0 W172PHY0.1HA W172TCB0.1H0
 W173PHY0.1HA W173TCB0.1H0 W174PHY0.1HA W174TCB0.1H0 W175PHY0.1HA W175TCB0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

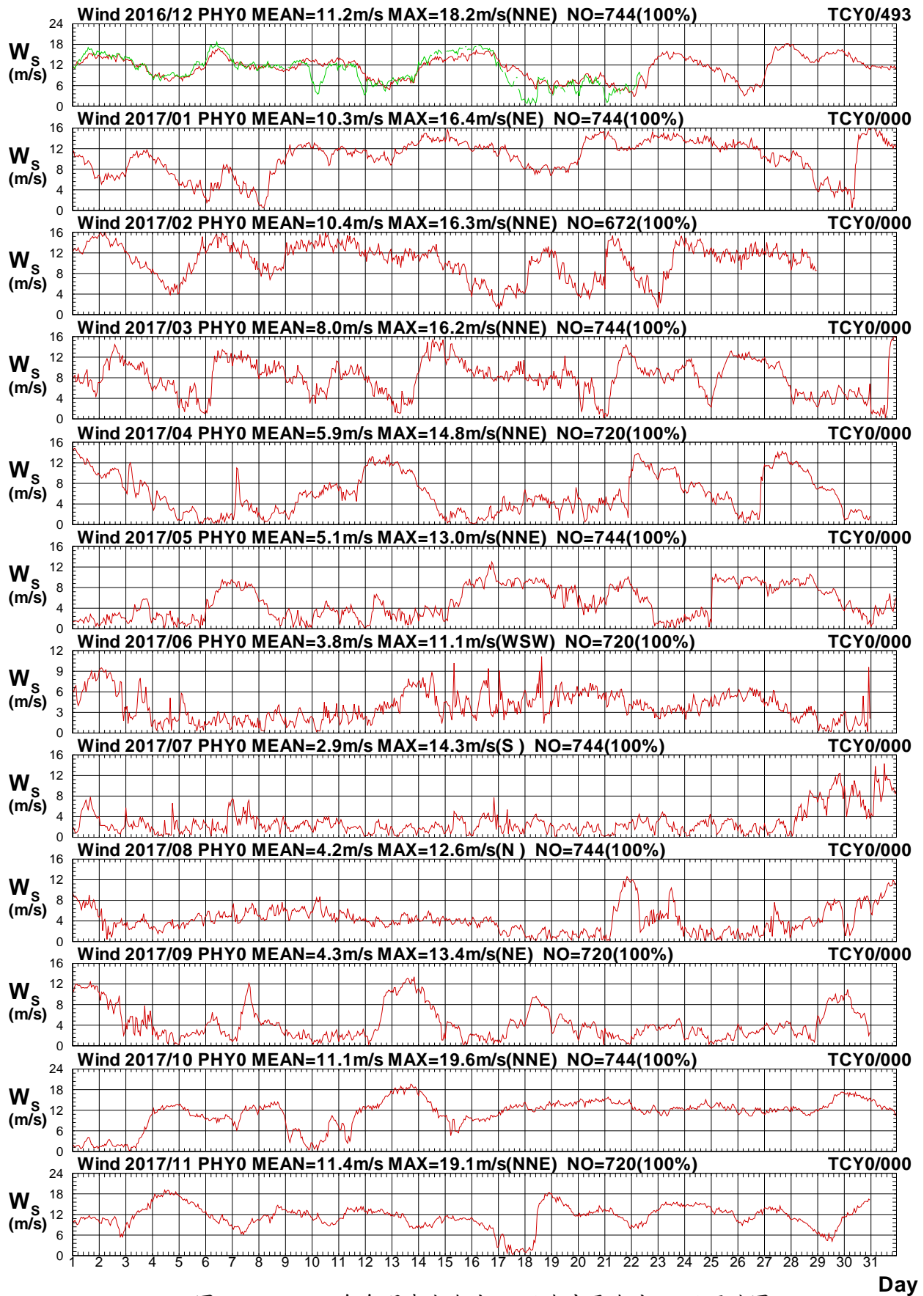


圖1.17a 2017年每月澎湖海域 Y 站與中雲海域 Y 站風速圖

W16CPHY0.1HA W16CTCY0.1H0 W171PHY0.1HA W171TCY0.1H0 W172PHY0.1HA W172TCY0.1H0
 W173PHY0.1HA W173TCY0.1H0 W174PHY0.1HA W174TCY0.1H0 W175PHY0.1HA W175TCY0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

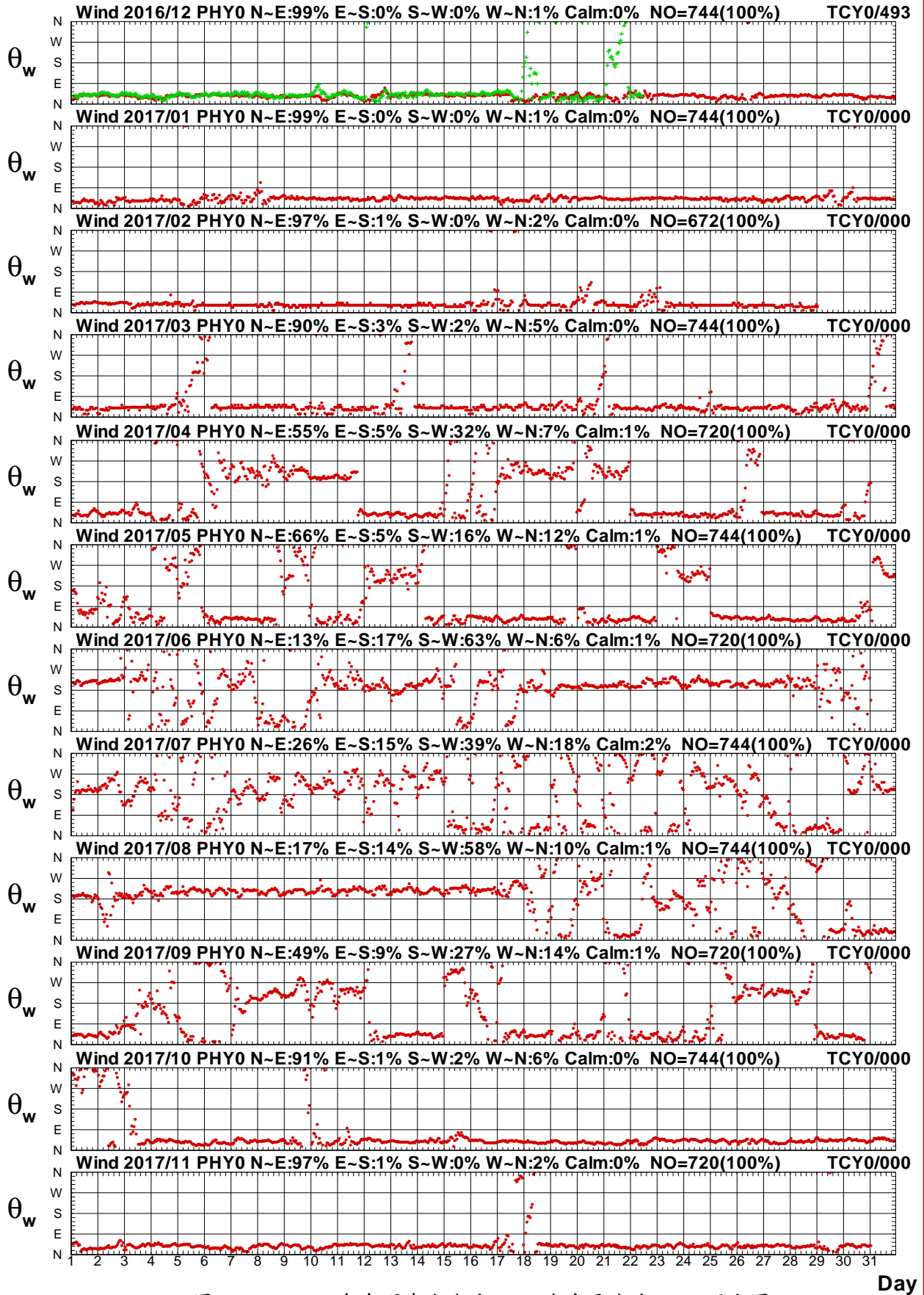


圖1.17b 2017年每月澎湖海域 Y 站與中雲海域 Y 站風向圖

W16CPHY0.1HA W16CTCY0.1H0 W171PHY0.1HA W171TCY0.1H0 W172PHY0.1HA W172TCY0.1H0
 W173PHY0.1HA W173TCY0.1H0 W174PHY0.1HA W174TCY0.1H0 W175PHY0.1HA W175TCY0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

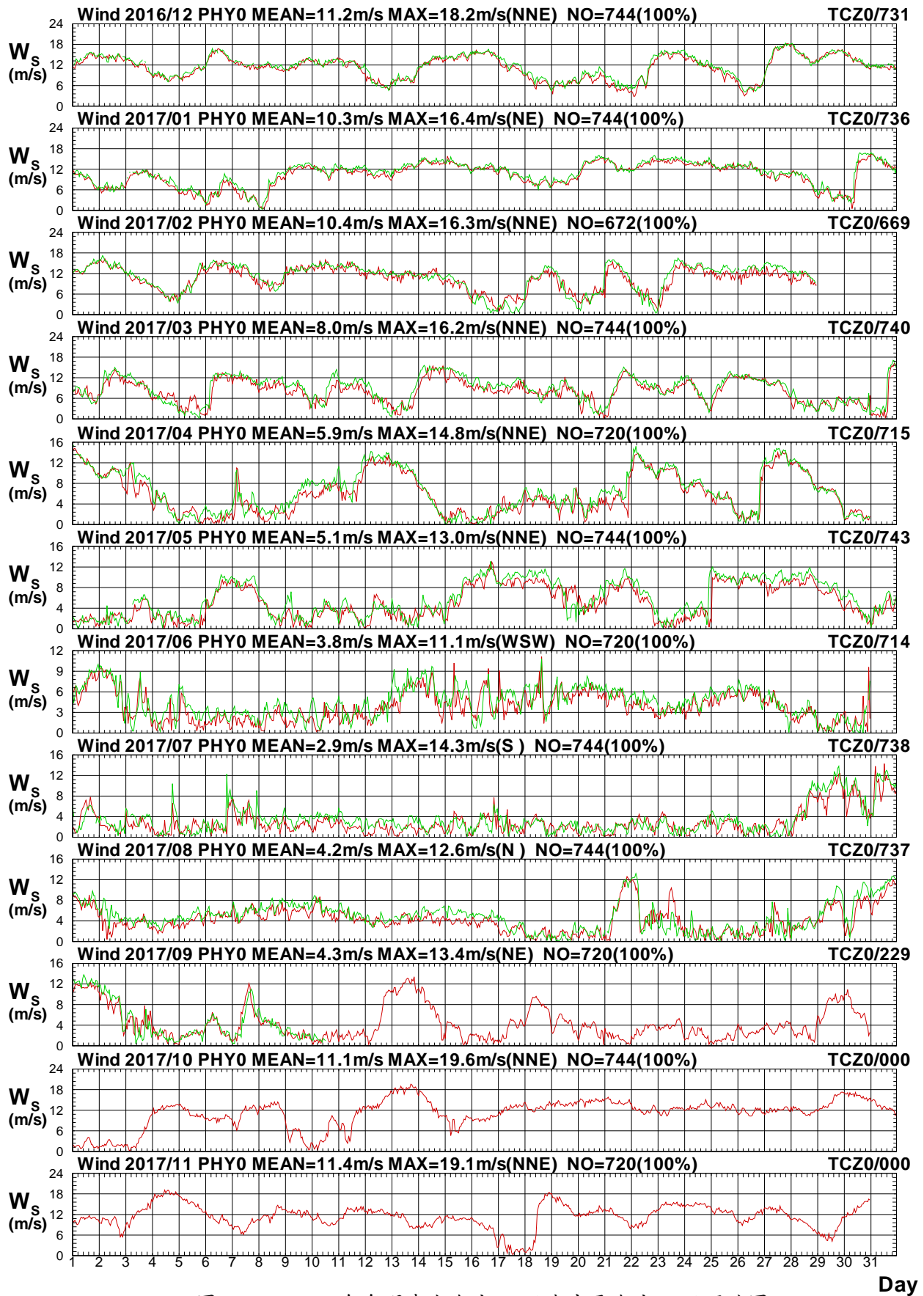


圖1.18a 2017年每月澎湖海域 Y 站與中雲海域 Z 站風速圖

W16CPHY0.1HA W16CTCZO.1H0 W171PHY0.1HA W171TCZO.1H0 W172PHY0.1HA W172TCZO.1H0
W173PHY0.1HA W173TCZO.1H0 W174PHY0.1HA W174TCZO.1H0 W175PHY0.1HA W175TCZO.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

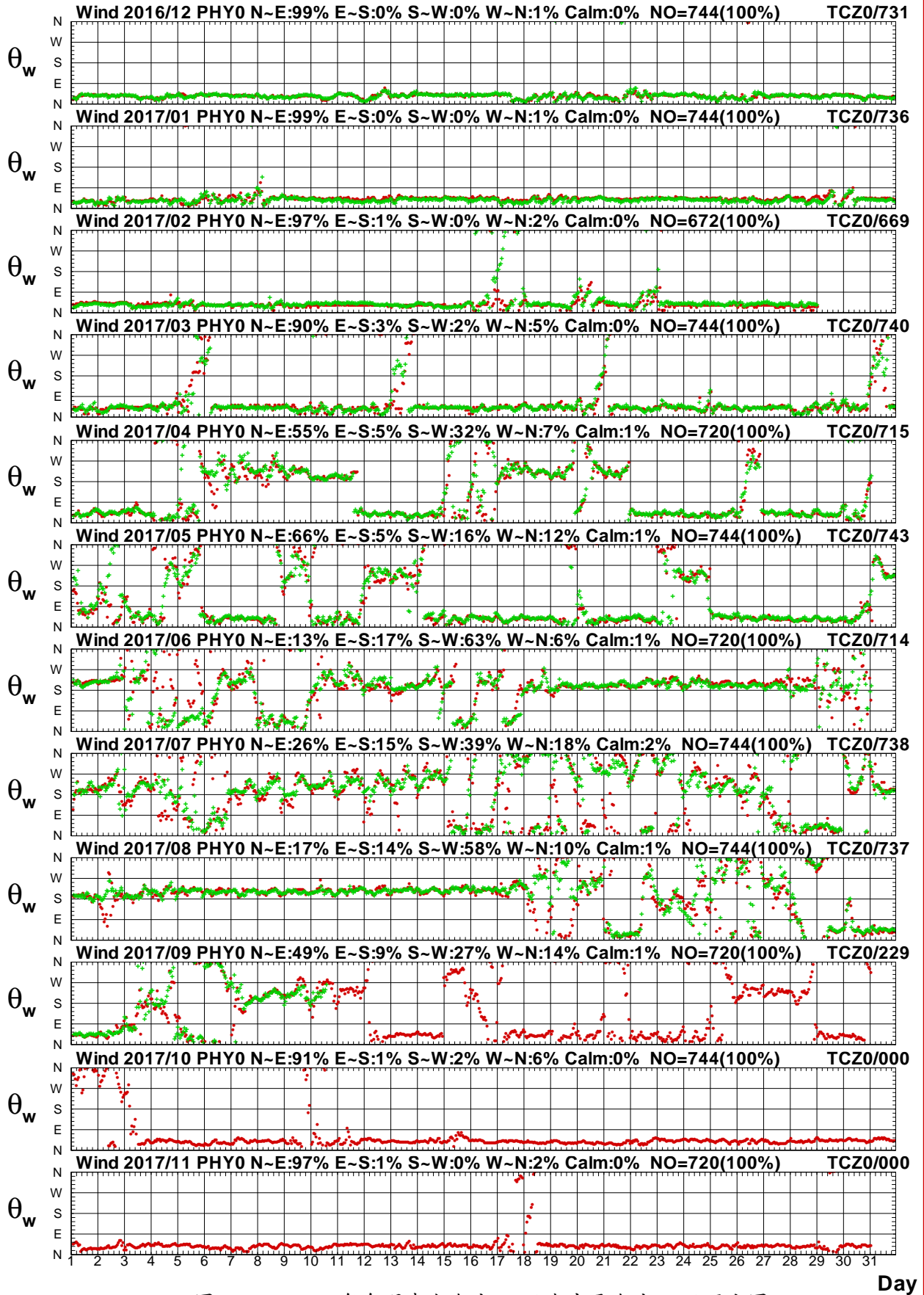


圖1.18b 2017年每月澎湖海域 Y 站與中雲海域 Z 站風向圖

W16CPHY0.1HA W16CTCZ0.1H0 W171PHY0.1HA W171TCZ0.1H0 W172PHY0.1HA W172TCZ0.1H0
 W173PHY0.1HA W173TCZ0.1H0 W174PHY0.1HA W174TCZ0.1H0 W175PHY0.1HA W175TCZ0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

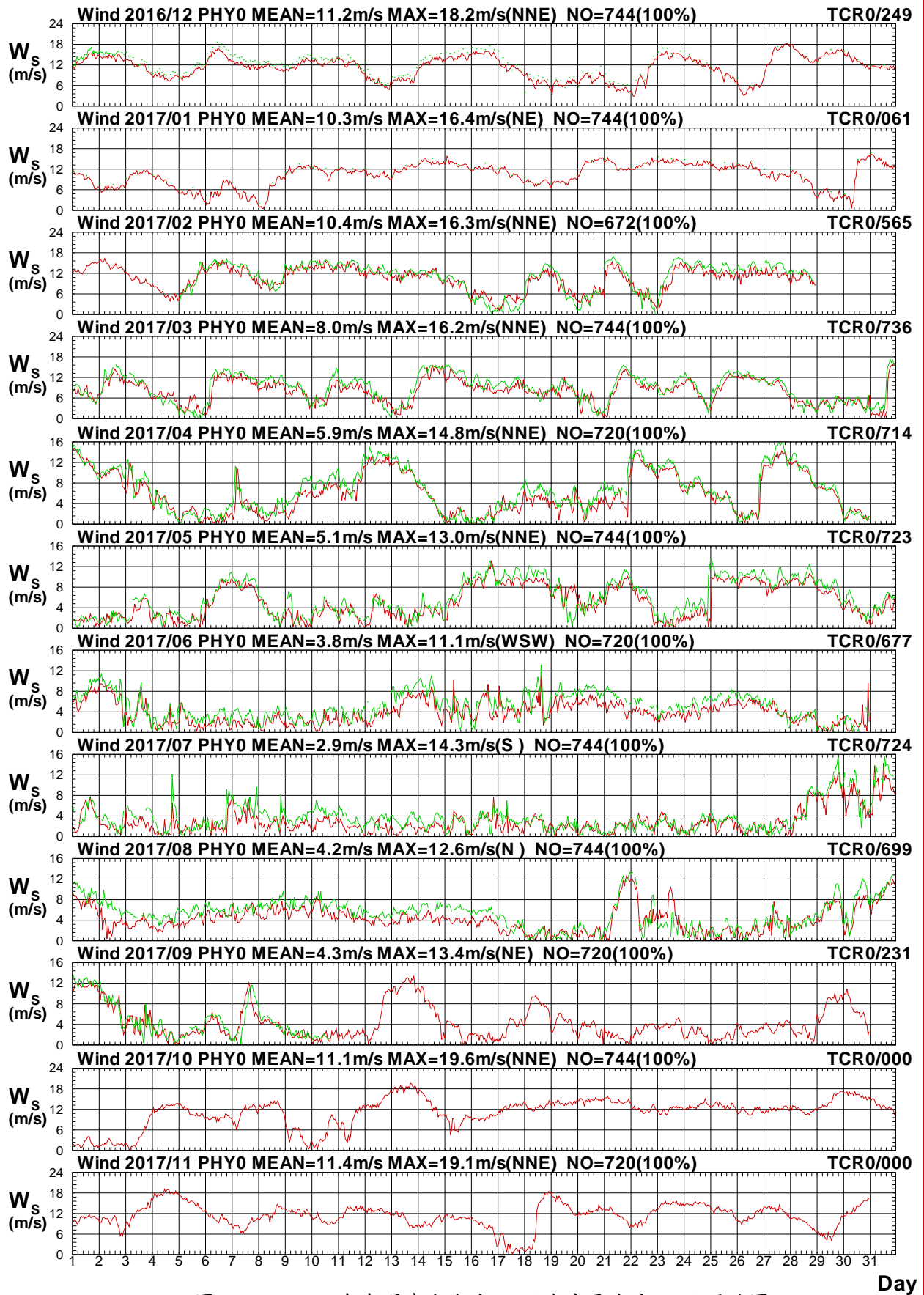


圖1.19a 2017年每月澎湖海域 Y 站與中雲海域 R 站風速圖

W16CPHY0.1HA W16CTCR0.1HO W171PHY0.1HA W171TCR0.1HO W172PHY0.1HA W172TCR0.1HO
 W173PHY0.1HA W173TCR0.1HO W174PHY0.1HA W174TCR0.1HO W175PHY0.1HA W175TCR0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

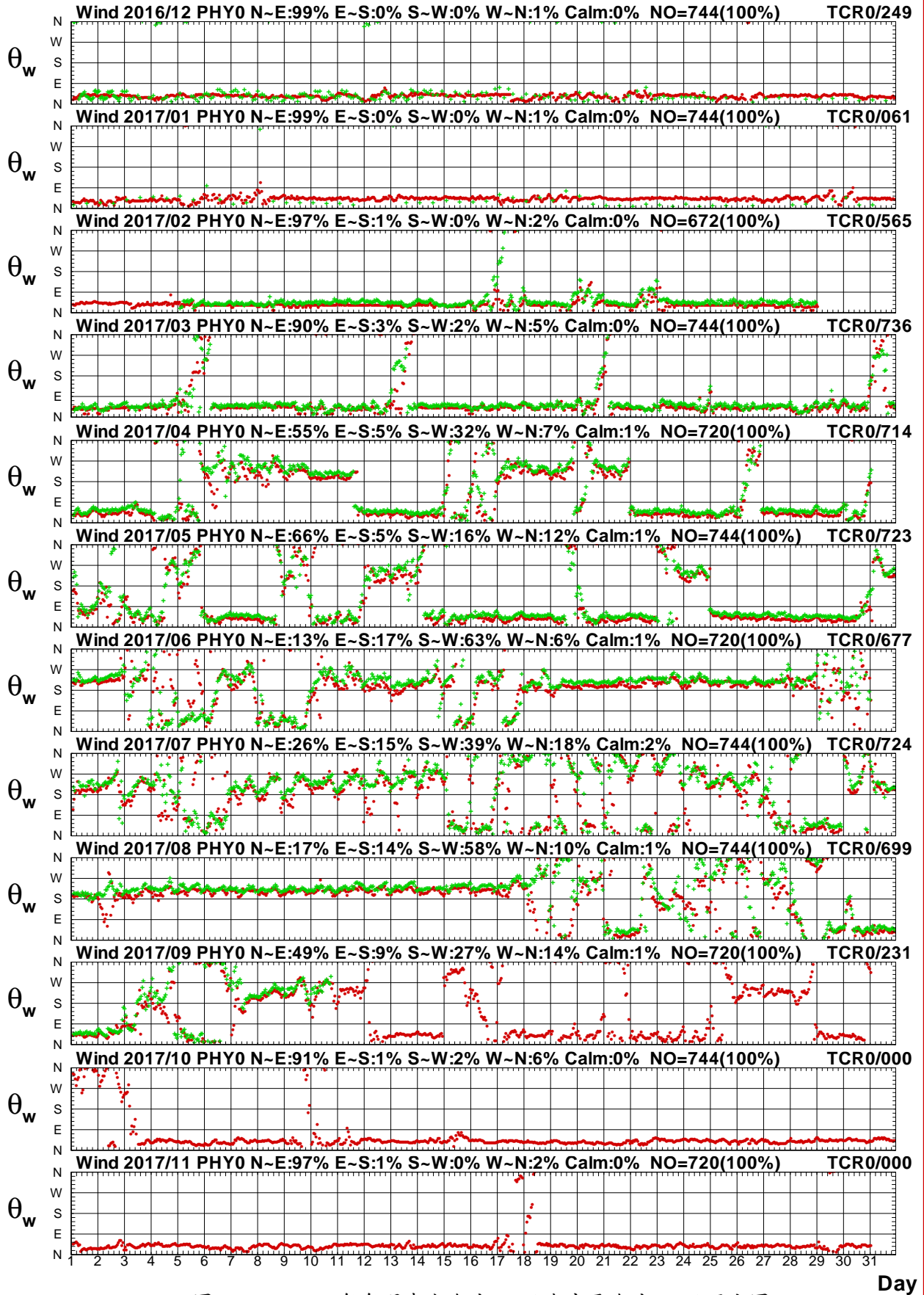


圖1.19b 2017年每月澎湖海域 Y 站與中雲海域 R 站風向圖

W16CPHY0.1HA W16CTCR0.1HO W171PHY0.1HA W171TCR0.1HO W172PHY0.1HA W172TCR0.1HO
 W173PHY0.1HA W173TCR0.1HO W174PHY0.1HA W174TCR0.1HO W175PHY0.1HA W175TCR0.1HO

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

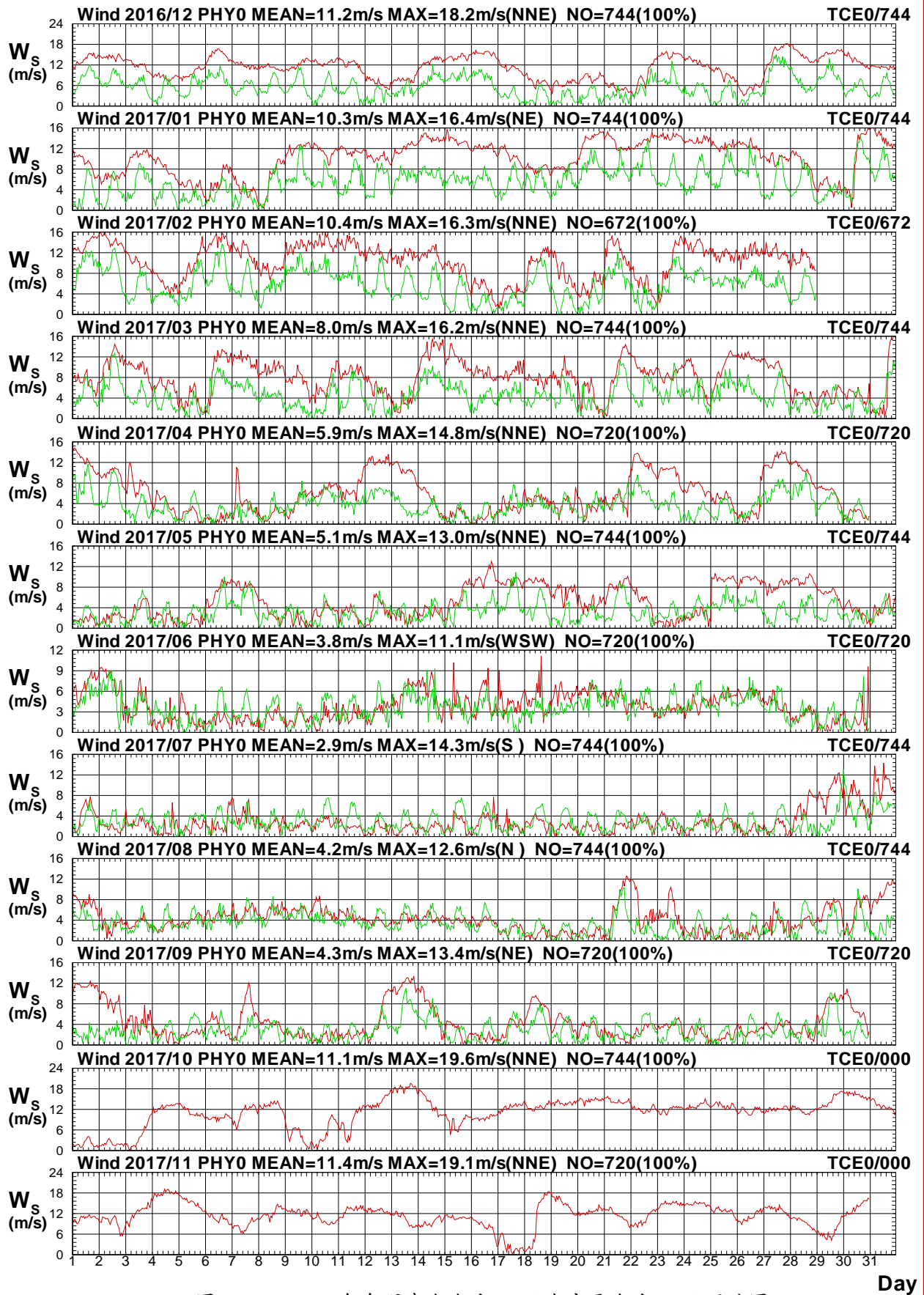


圖1.20a 2017年每月澎湖海域 Y 站與中雲海域 E 站風速圖

W16CPHY0.1HA W16CTCE0.1H0 W171PHY0.1HA W171TCE0.1H0 W172PHY0.1HA W172TCE0.1H0
W173PHY0.1HA W173TCE0.1H0 W174PHY0.1HA W174TCE0.1H0 W175PHY0.1HA W175TCE0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

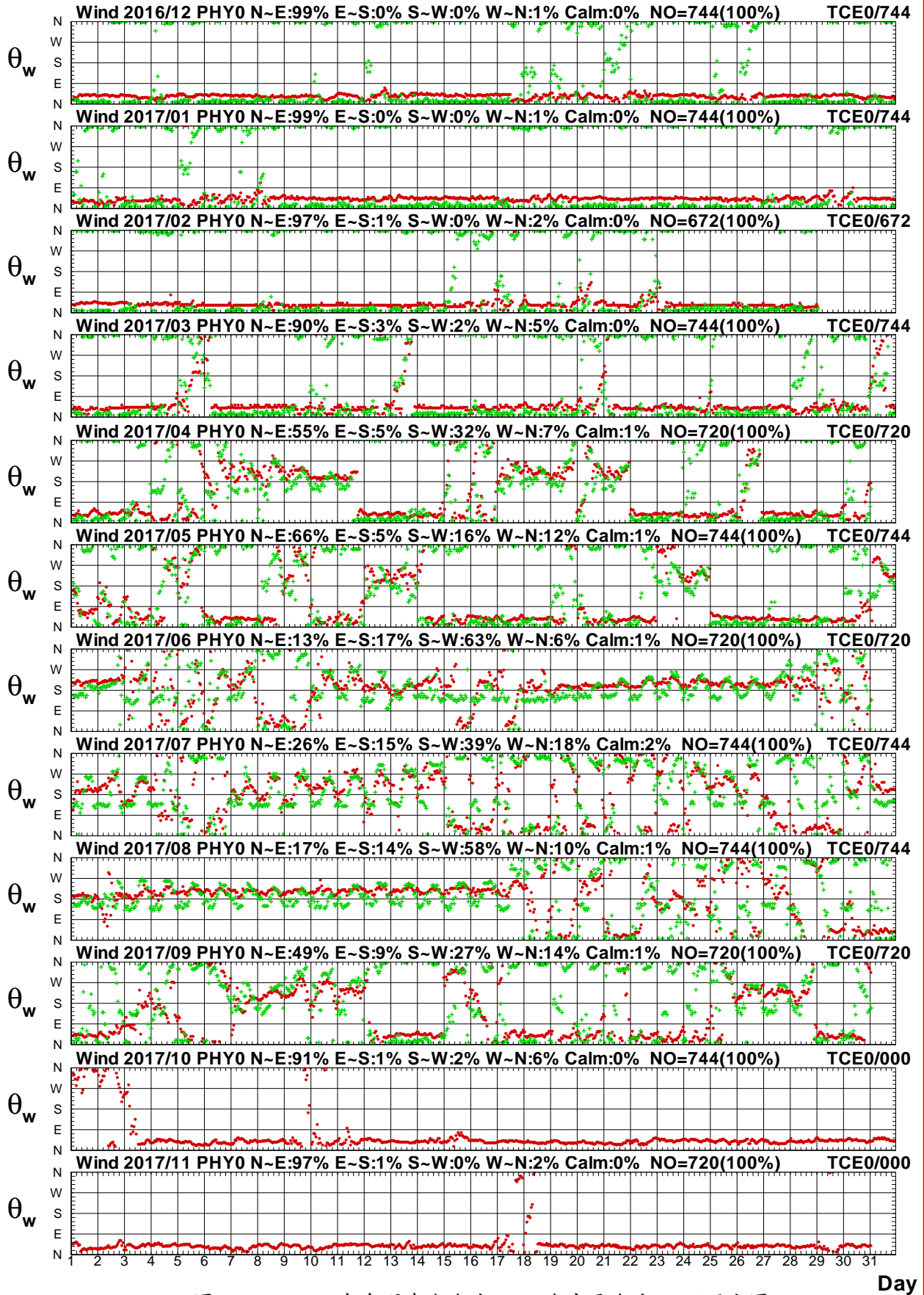


圖1.20b 2017年每月澎湖海域 Y 站與中雲海域 E 站風向圖

W16CPHY0.1HA W16CTCE0.1H0 W171PHY0.1HA W171TCE0.1H0 W172PHY0.1HA W172TCE0.1H0
W173PHY0.1HA W173TCE0.1H0 W174PHY0.1HA W174TCE0.1H0 W175PHY0.1HA W175TCE0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2017

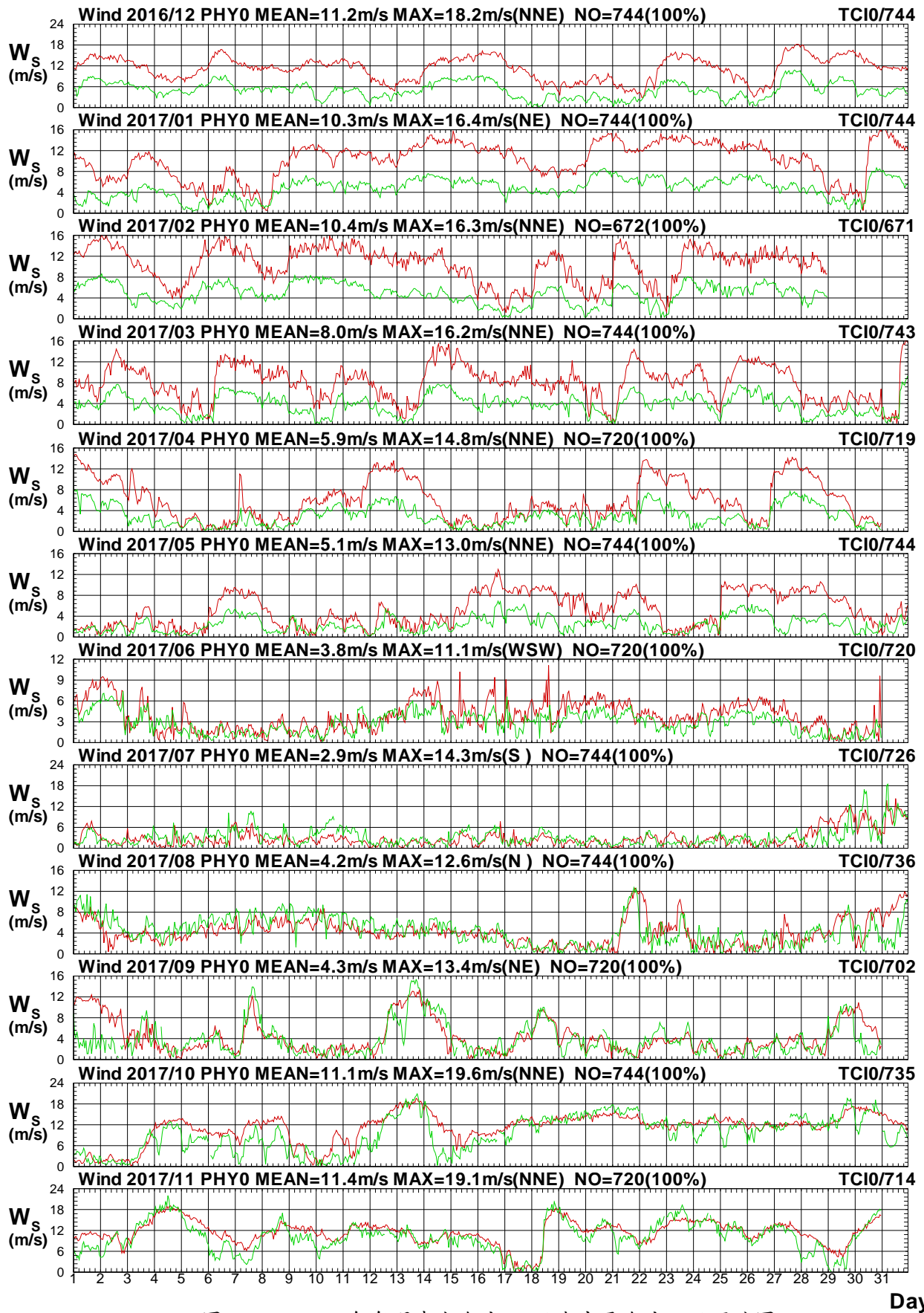


圖1.21a 2017年每月澎湖海域 Y 站與中雲海域 I 站風速圖

W16CPHY0.1HA W16CTCI0.1H0 W171PHY0.1HA W171TCI0.1H0 W172PHY0.1HA W172TCI0.1H0
W173PHY0.1HA W173TCI0.1H0 W174PHY0.1HA W174TCI0.1H0 W175PHY0.1HA W175TCI0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2017

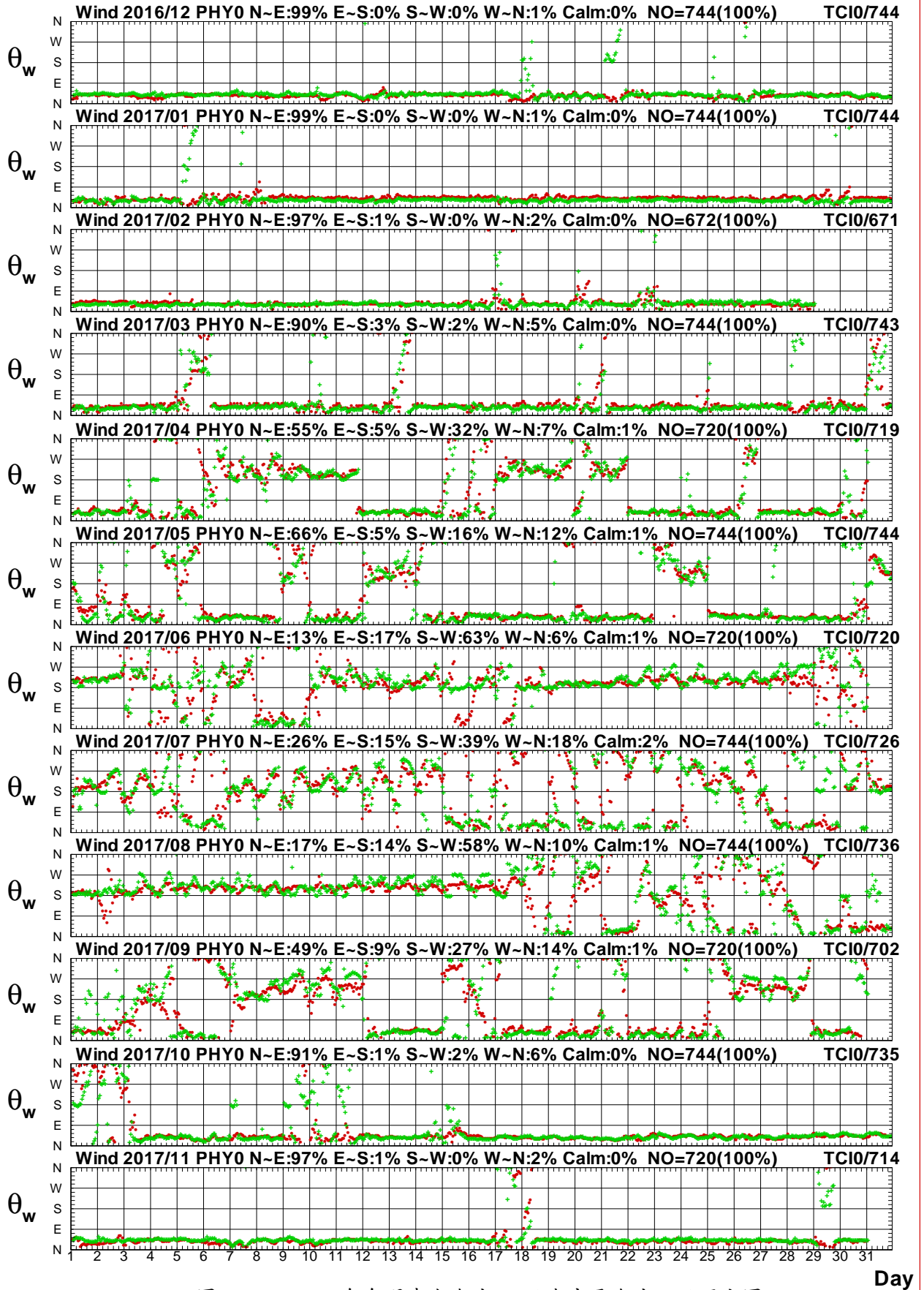


圖1.21b 2017年每月澎湖海域 Y 站與中雲海域 I 站風向圖

W16CPHY0.1HA W16CTCI0.1H0 W171PHY0.1HA W171TCI0.1H0 W172PHY0.1HA W172TCI0.1H0
 W173PHY0.1HA W173TCI0.1H0 W174PHY0.1HA W174TCI0.1H0 W175PHY0.1HA W175TCI0.1H0

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Wind Speed in Peng-Hu Seas of PHW0 at 2017

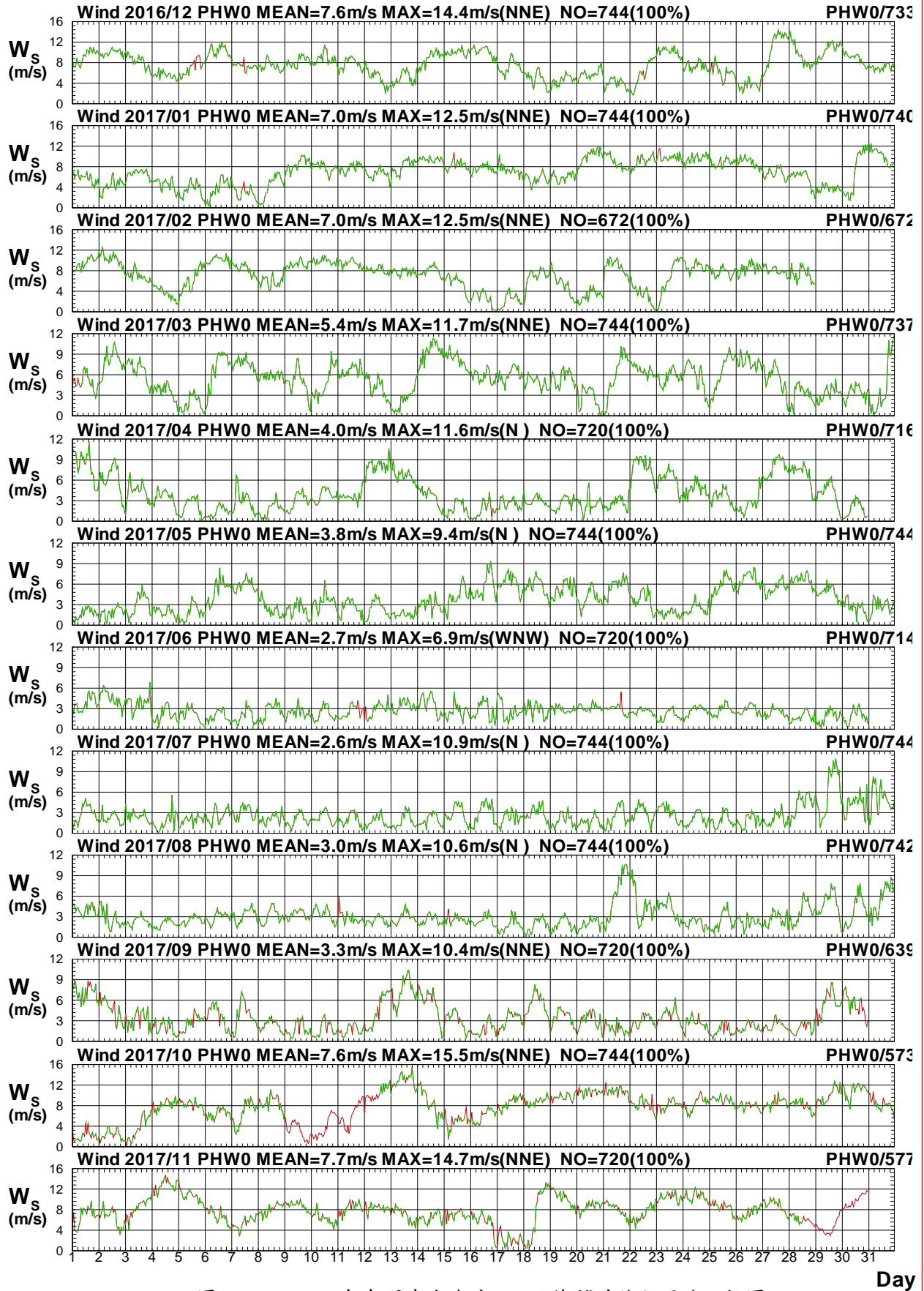
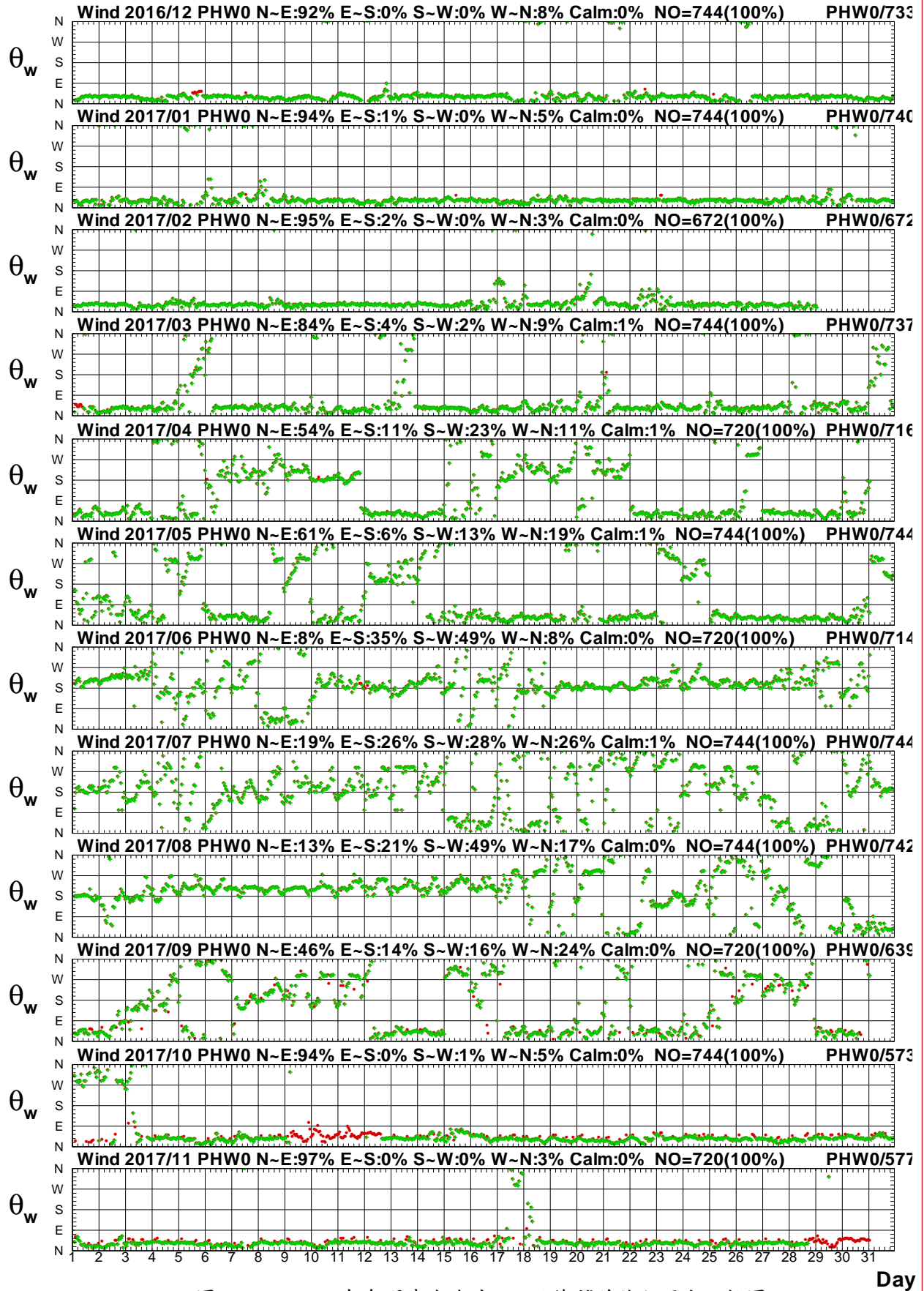


圖1.22a 2017年每月澎湖海域 W 站修補前後之風速比較圖

W16CPHW0.1HA W16CPHW0.1H0 W171PHW0.1HA W171PHW0.1H0 W172PHW0.1HA W172PHW0.1H0
 W173PHW0.1HA W173PHW0.1H0 W174PHW0.1HA W174PHW0.1H0 W175PHW0.1HA W175PHW0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2017



W16CPHW0.1HA W16CPHW0.1H0 W171PHW0.1HA W171PHW0.1H0 W172PHW0.1HA W172PHW0.1H0
 W173PHW0.1HA W173PHW0.1H0 W174PHW0.1HA W174PHW0.1H0 W175PHW0.1HA W175PHW0.1H0
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Wind Speed in Peng-Hu Seas of PHW0 at 2017

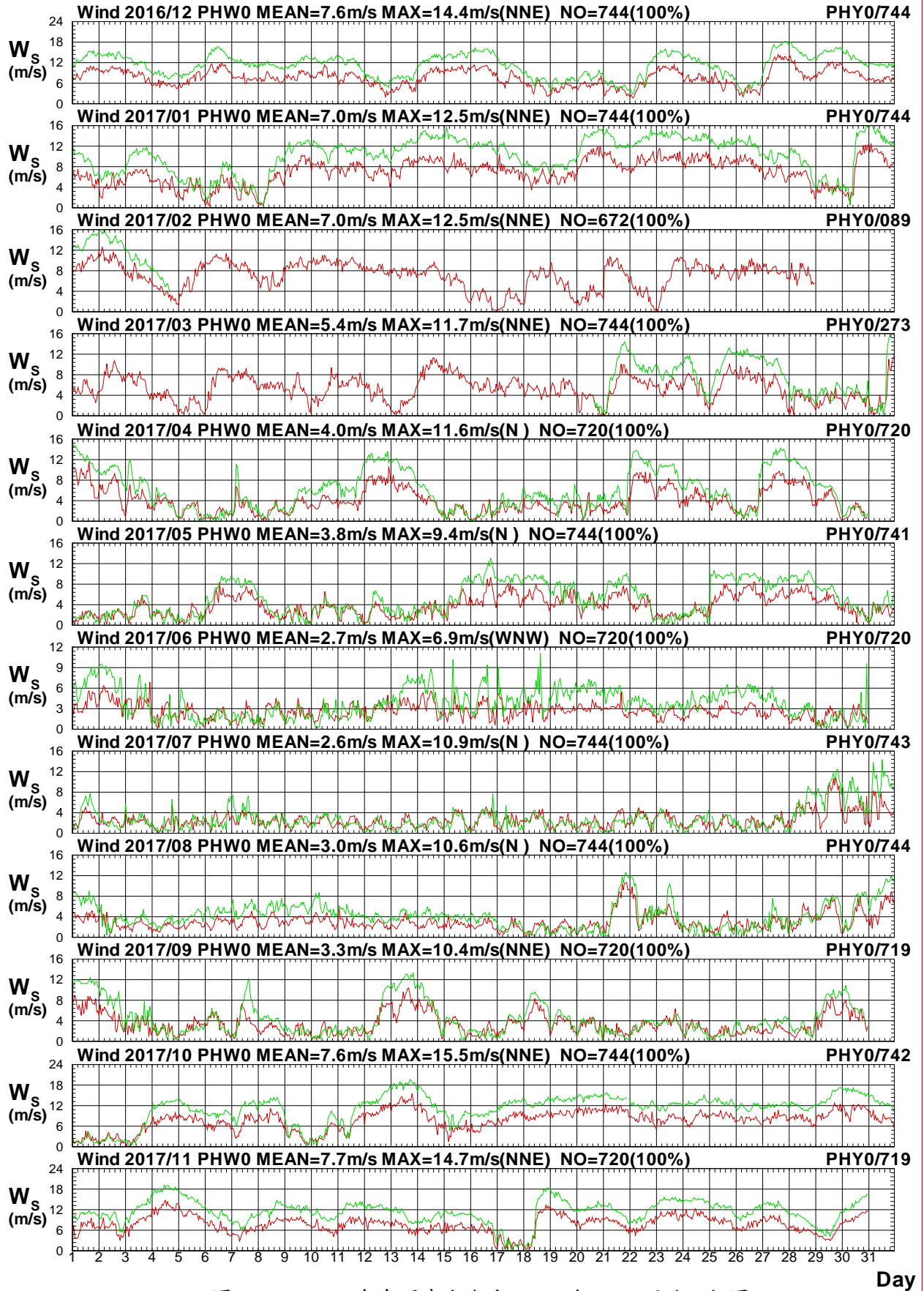


圖1.23a 2017年每月澎湖海域 W 站與 Y 站風速比較圖

W16CPHW0.1HA W16CPHY0.1HO W171PHW0.1HA W171PHY0.1HO W172PHW0.1HA W172PHY0.1HO
 W173PHW0.1HA W173PHY0.1HO W174PHW0.1HA W174PHY0.1HO W175PHW0.1HA W175PHY0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

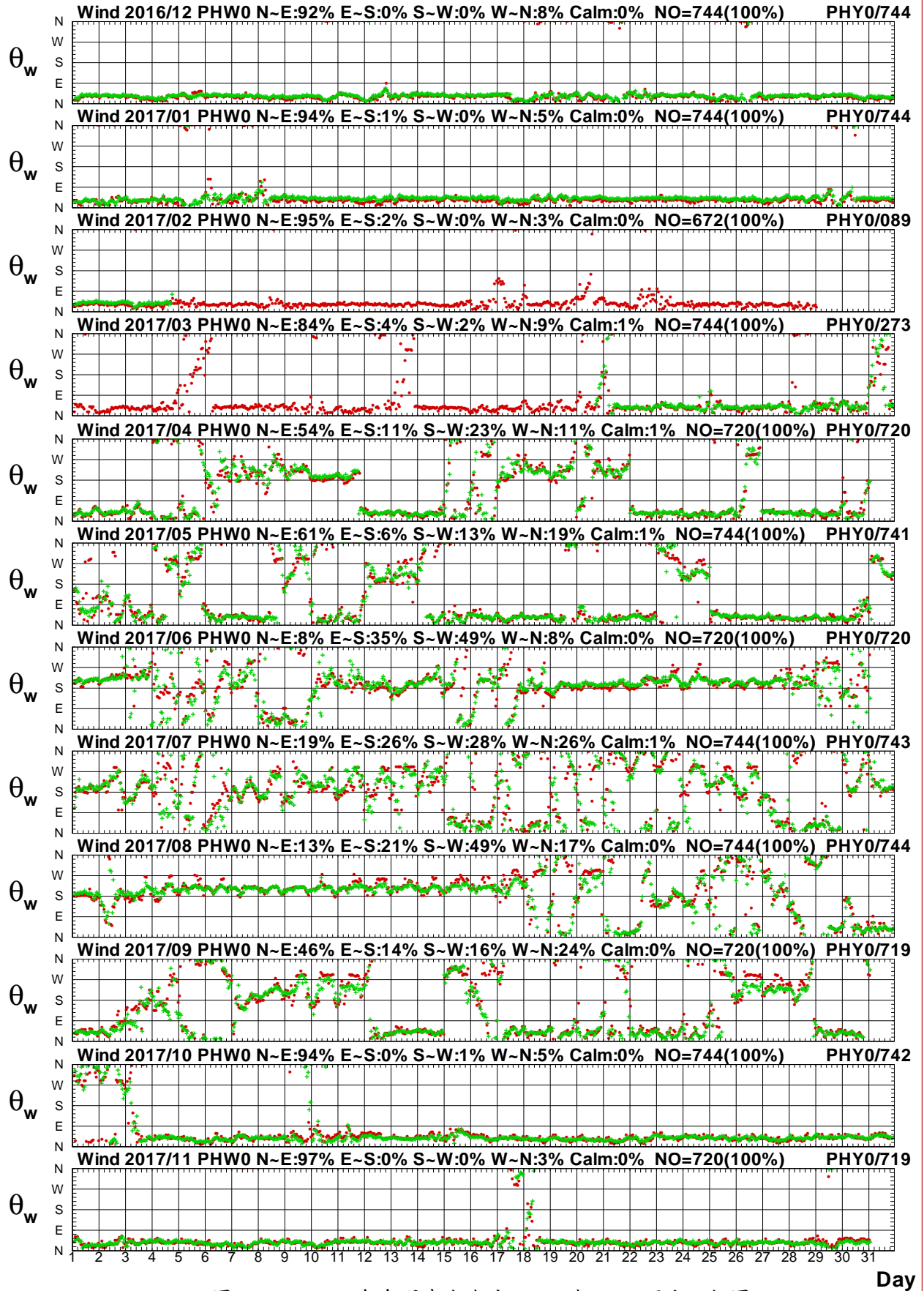


圖1.23b 2017年每月澎湖海域 W 站與 Y 站風向比較圖

W16CPHW0.1HA W16CPHY0.1HO W171PHW0.1HA W171PHY0.1HO W172PHW0.1HA W172PHY0.1HO
 W173PHW0.1HA W173PHY0.1HO W174PHW0.1HA W174PHY0.1HO W175PHW0.1HA W175PHY0.1HO
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Wind Speed in Peng-Hu Seas of PHW0 at 2017

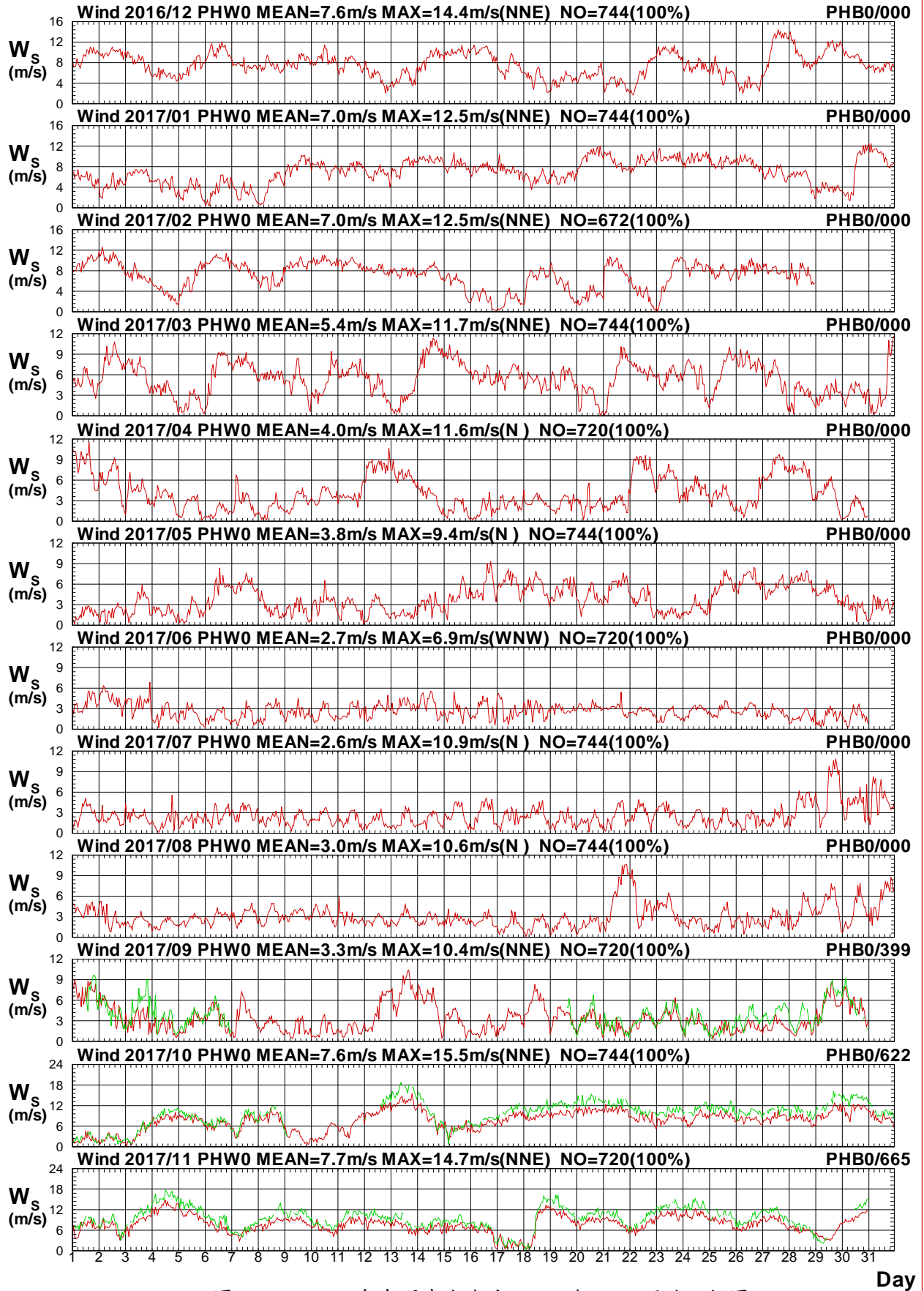


圖1.24a 2017年每月澎湖海域 W 站與 B 站風速比較圖

W16CPHW0.1HA W16CPHB0.1HO W171PHW0.1HA W171PHB0.1HO W172PHW0.1HA W172PHB0.1HO
 W173PHW0.1HA W173PHB0.1HO W174PHW0.1HA W174PHB0.1HO W175PHW0.1HA W175PHB0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

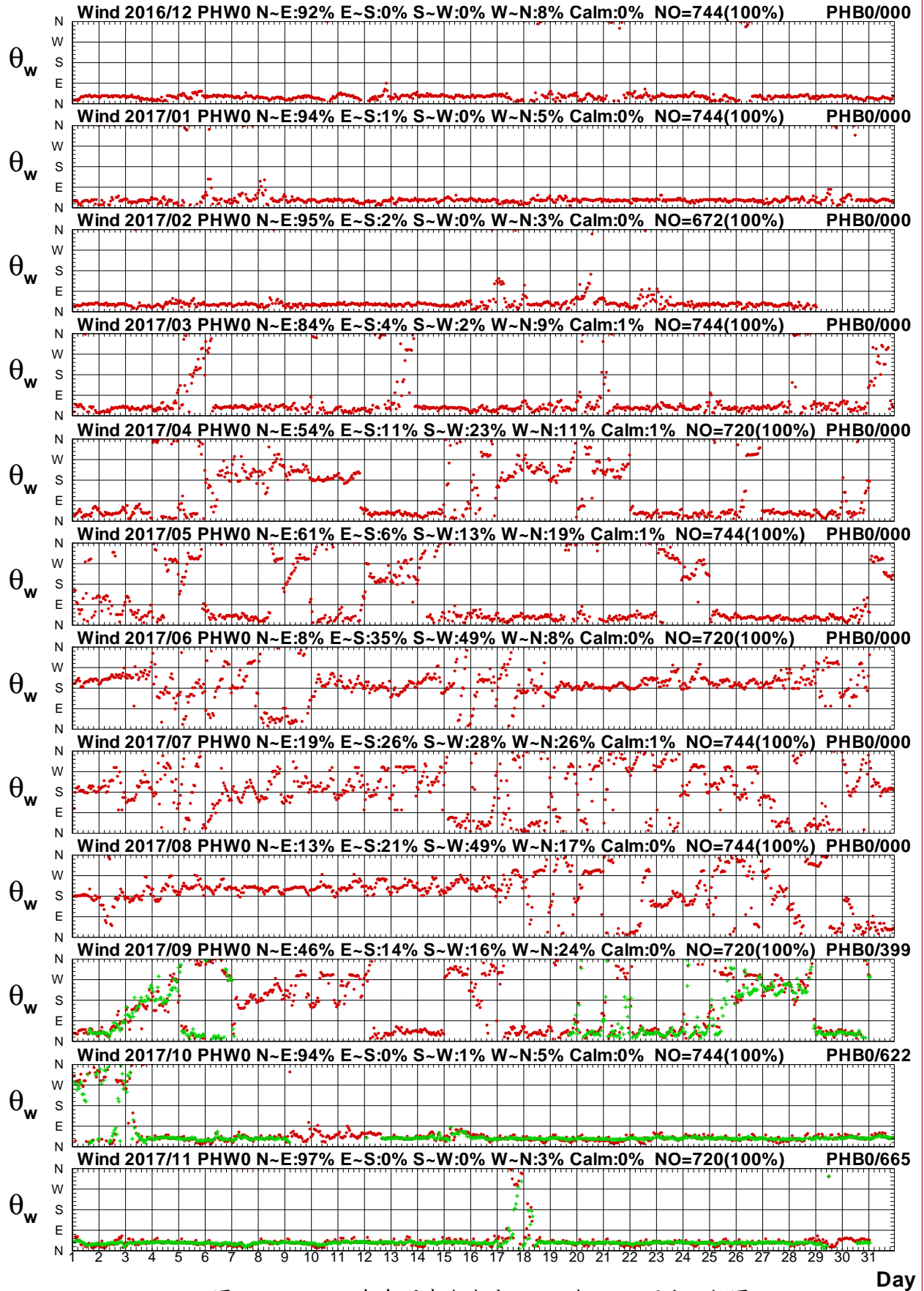


圖1.24b 2017年每月澎湖海域 W 站與 B 站風向比較圖

W16CPHW0.1HA W16CPHB0.1HO W171PHW0.1HA W171PHB0.1HO W172PHW0.1HA W172PHB0.1HO
 W173PHW0.1HA W173PHB0.1HO W174PHW0.1HA W174PHB0.1HO W175PHW0.1HA W175PHB0.1HO
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Wind Speed in Peng-Hu Seas of PHW0 at 2017

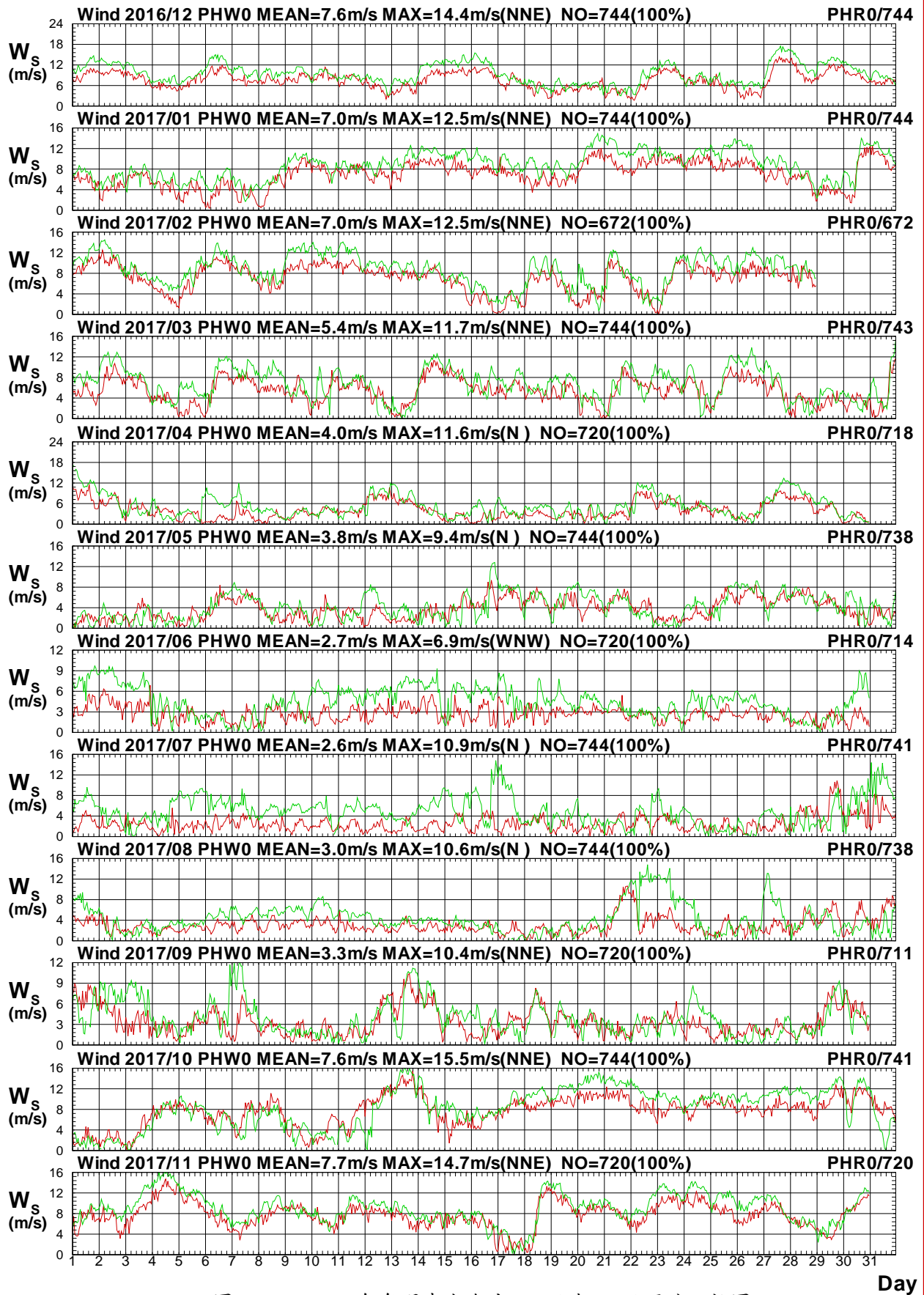


圖1.25a 2017年每月澎湖海域 W 站與 R 站風速比較圖

W16CPHW0.1HA W16CPHR0.1HO W171PHW0.1HA W171PHR0.1HO W172PHW0.1HA W172PHR0.1HO
 W173PHW0.1HA W173PHR0.1HO W174PHW0.1HA W174PHR0.1HO W175PHW0.1HA W175PHR0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

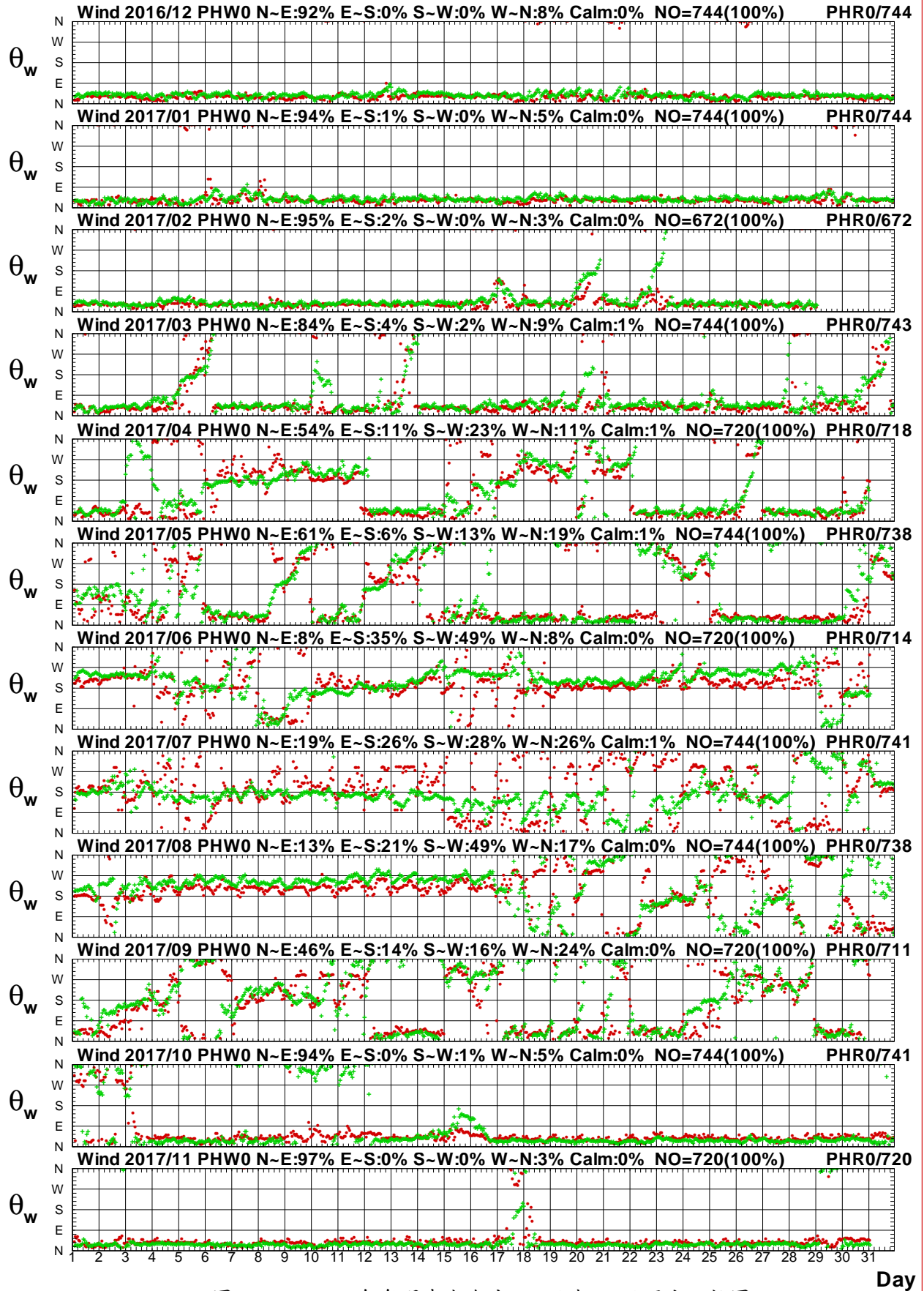


圖1.25b 2017年每月澎湖海域 W 站與 R 站風向比較圖

W16CPHW0.1HA W16CPHR0.1HO W171PHW0.1HA W171PHR0.1HO W172PHW0.1HA W172PHR0.1HO
 W173PHW0.1HA W173PHR0.1HO W174PHW0.1HA W174PHR0.1HO W175PHW0.1HA W175PHR0.1HO
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Wind Speed in Peng-Hu Seas of PHW0 at 2017

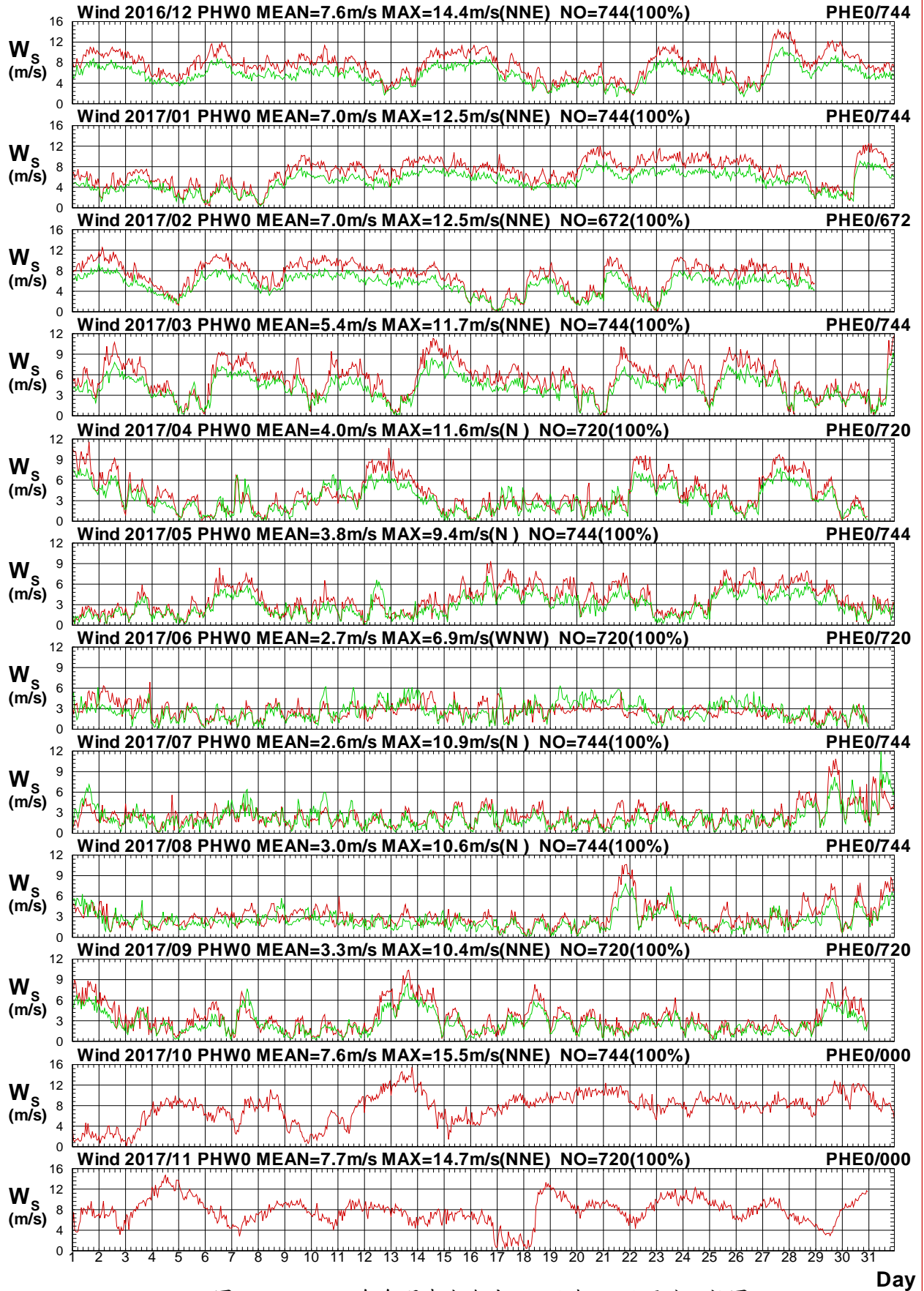


圖1.26a 2017年每月澎湖海域 W 站與 E 站風速比較圖

W16CPHW0.1HA W16CPHE0.1HO W171PHW0.1HA W171PHE0.1HO W172PHW0.1HA W172PHE0.1HO
 W173PHW0.1HA W173PHE0.1HO W174PHW0.1HA W174PHE0.1HO W175PHW0.1HA W175PHE0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

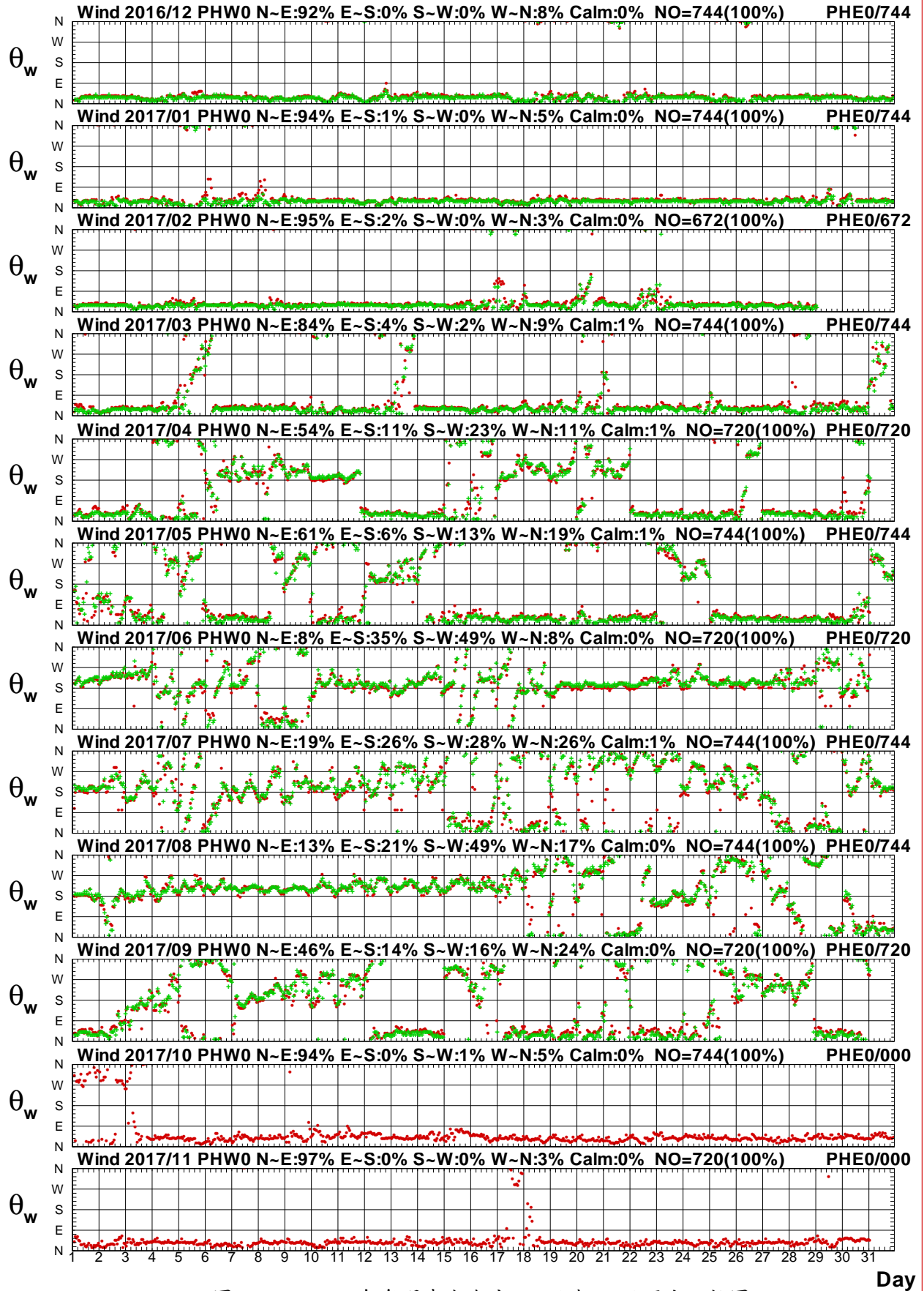


圖1.26b 2017年每月澎湖海域 W 站與 E 站風向比較圖

Wind Speed in Peng-Hu Seas of PHW0 at 2017

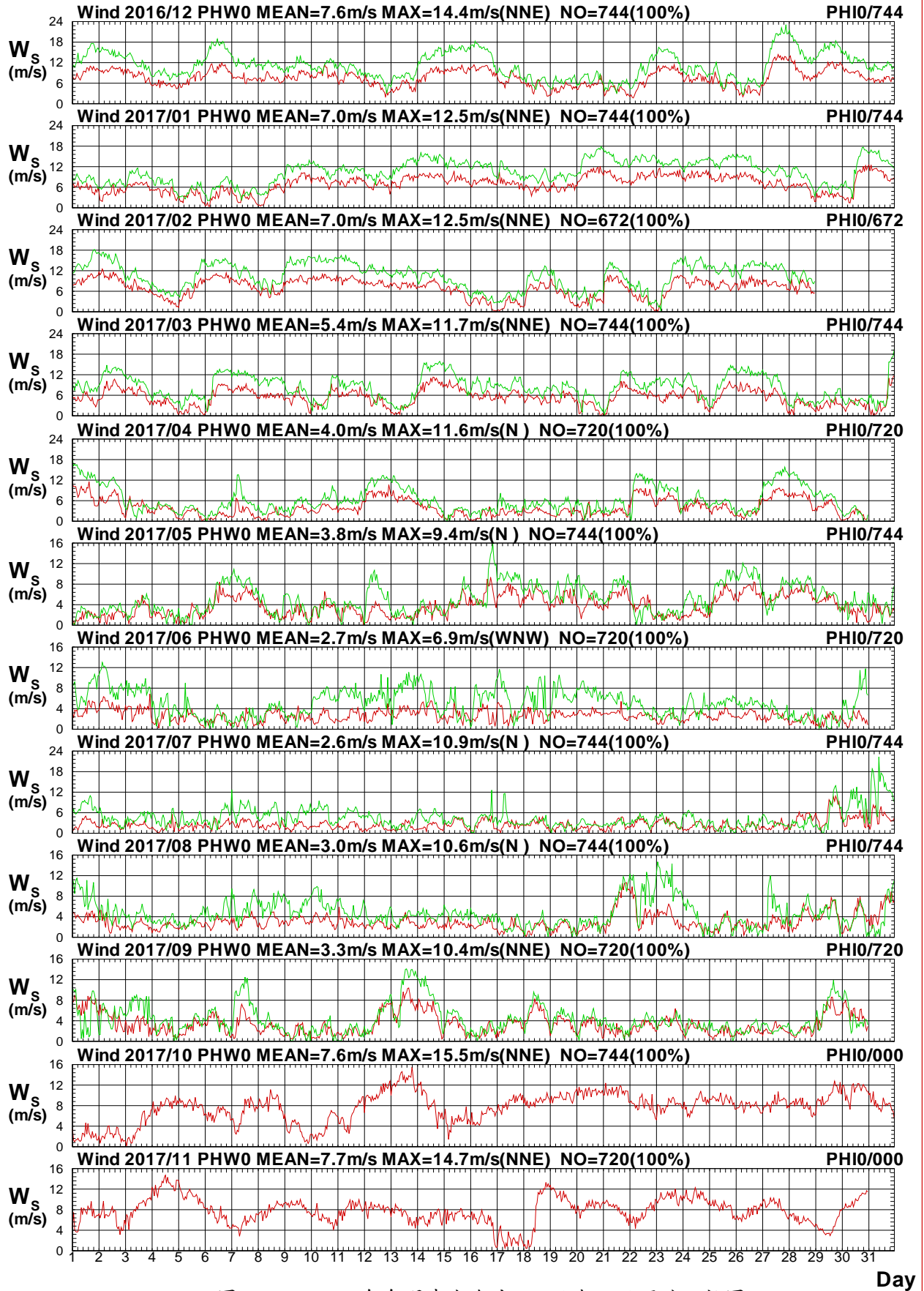


圖1.27a 2017年每月澎湖海域 W 站與 I 站風速比較圖

W16CPHW0.1HA W16CPI0.1H0 W171PHW0.1HA W171PI0.1H0 W172PHW0.1HA W172PI0.1H0
 W173PHW0.1HA W173PI0.1H0 W174PHW0.1HA W174PI0.1H0 W175PHW0.1HA W175PI0.1H0
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Wind Direction in Peng-Hu Seas of PHW0 at 2017

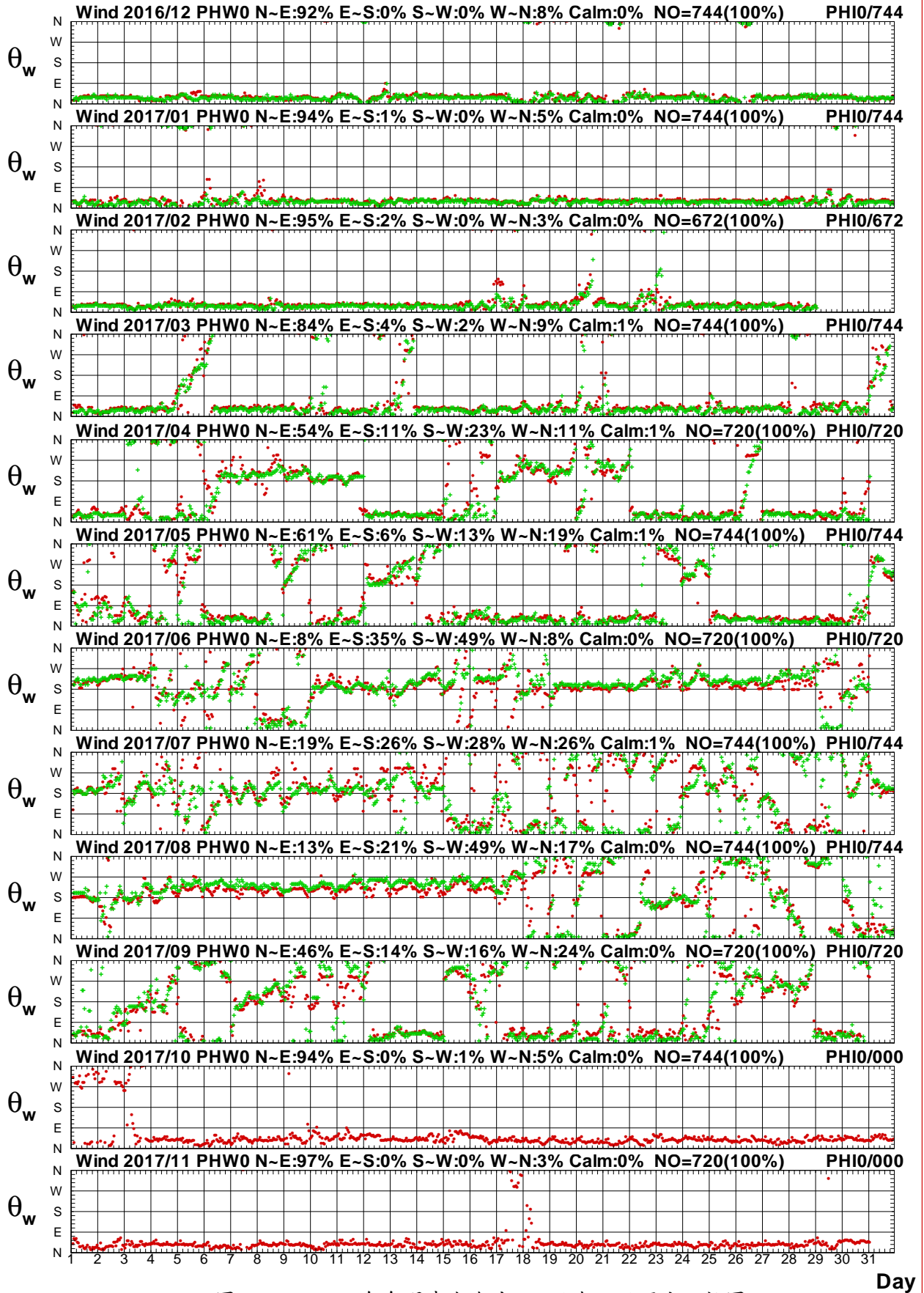


圖1.27b 2017年每月澎湖海域 W 站與 I 站風向比較圖

W16CPHW0.1HA W16CPIO.1HO W171PHW0.1HA W171PIO.1HO W172PHW0.1HA W172PIO.1HO
W173PHW0.1HA W173PIO.1HO W174PHW0.1HA W174PIO.1HO W175PHW0.1HA W175PIO.1HO

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Wind Speed in Peng-Hu Seas of PHW0 at 2017

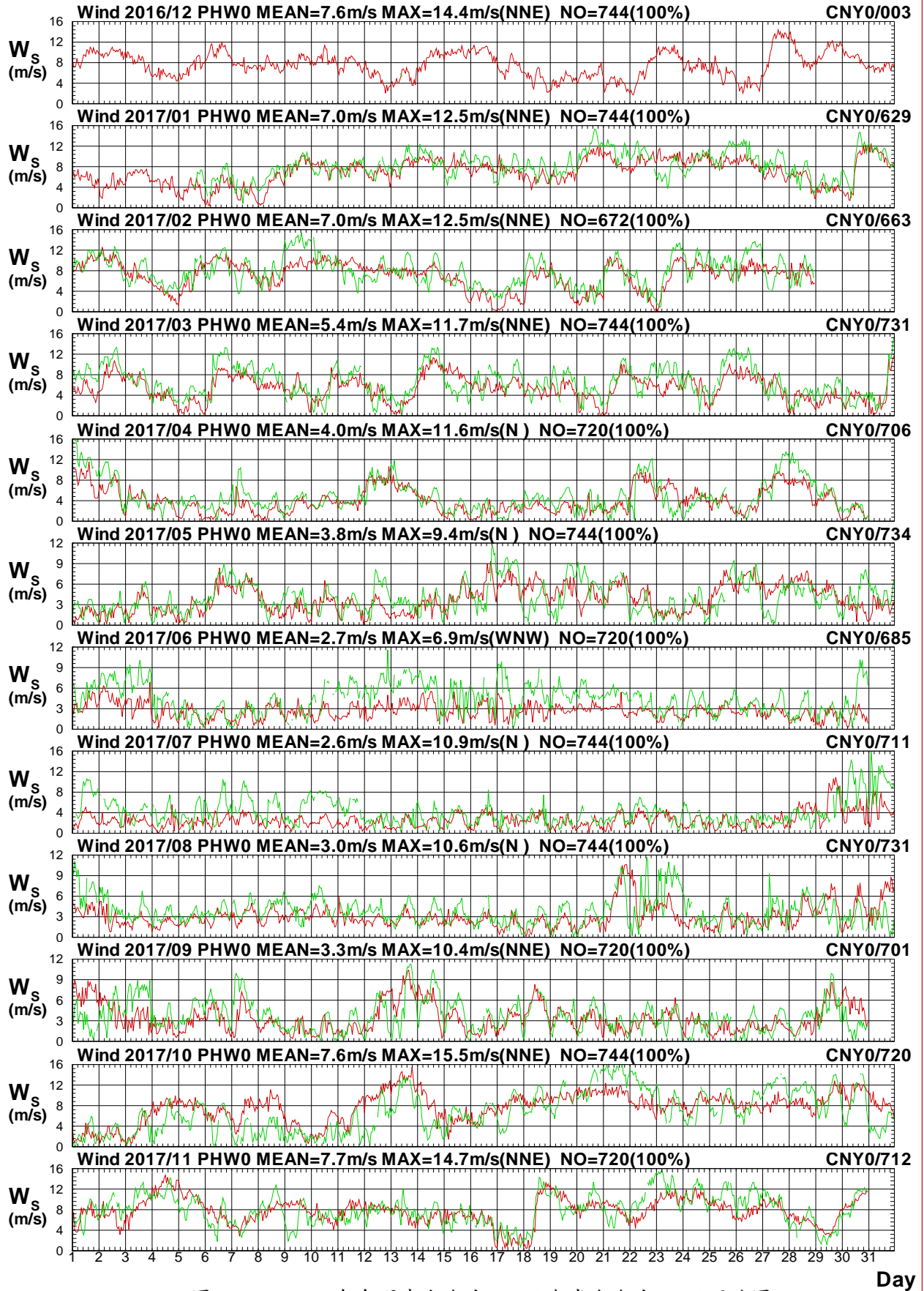


圖1.28a 2017年每月澎湖海域 W 站與嘉南海域 Y 站風速圖

W16CPHW0.1HA W16CCNY0.1HO W171PHW0.1HA W171CNY0.1HO W172PHW0.1HA W172CNY0.1HO
 W173PHW0.1HA W173CNY0.1HO W174PHW0.1HA W174CNY0.1HO W175PHW0.1HA W175CNY0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

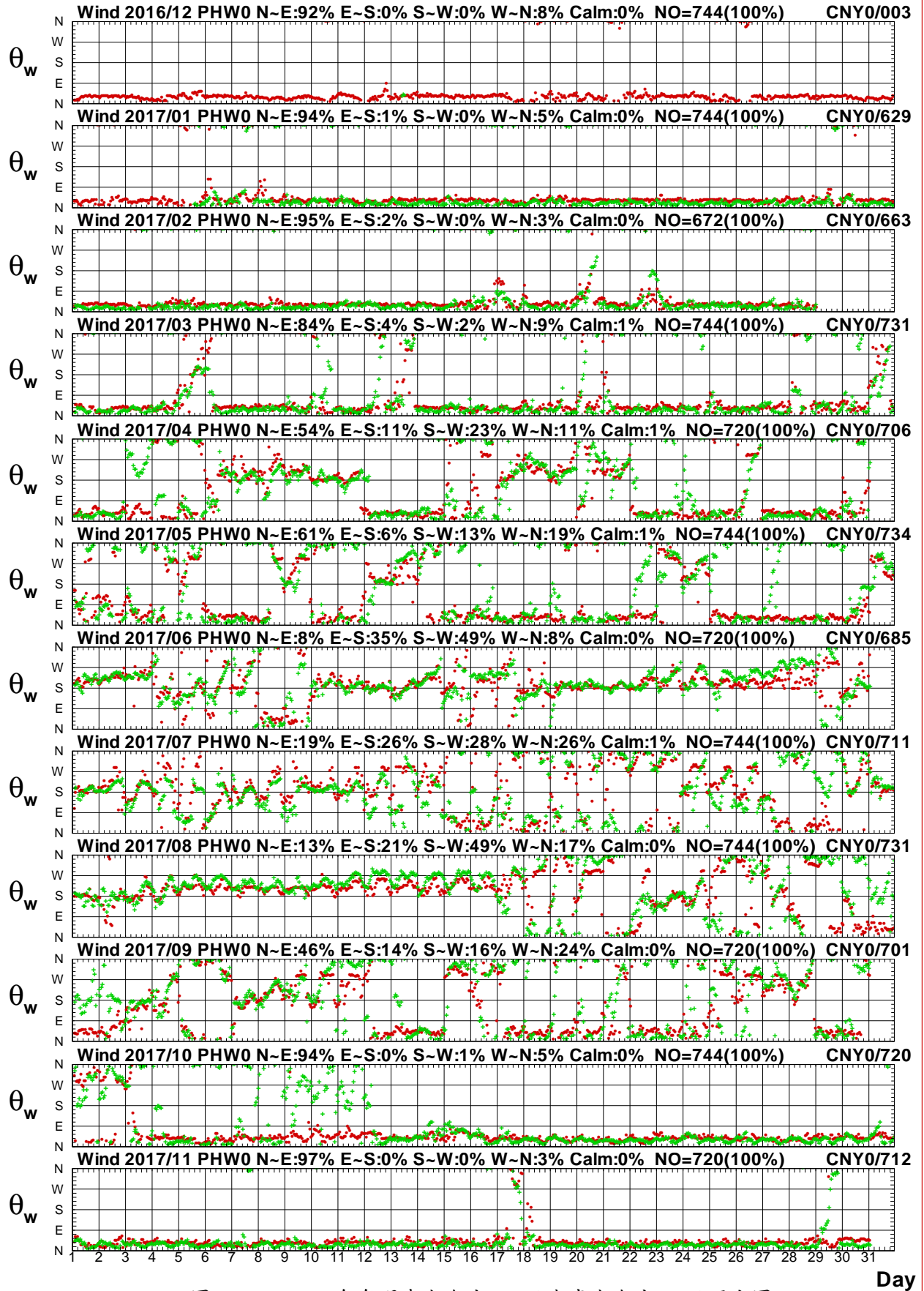


圖1.28b 2017年每月澎湖海域 W 站與嘉南海域 Y 站風向圖

Wind Speed in Peng-Hu Seas of PHW0 at 2017

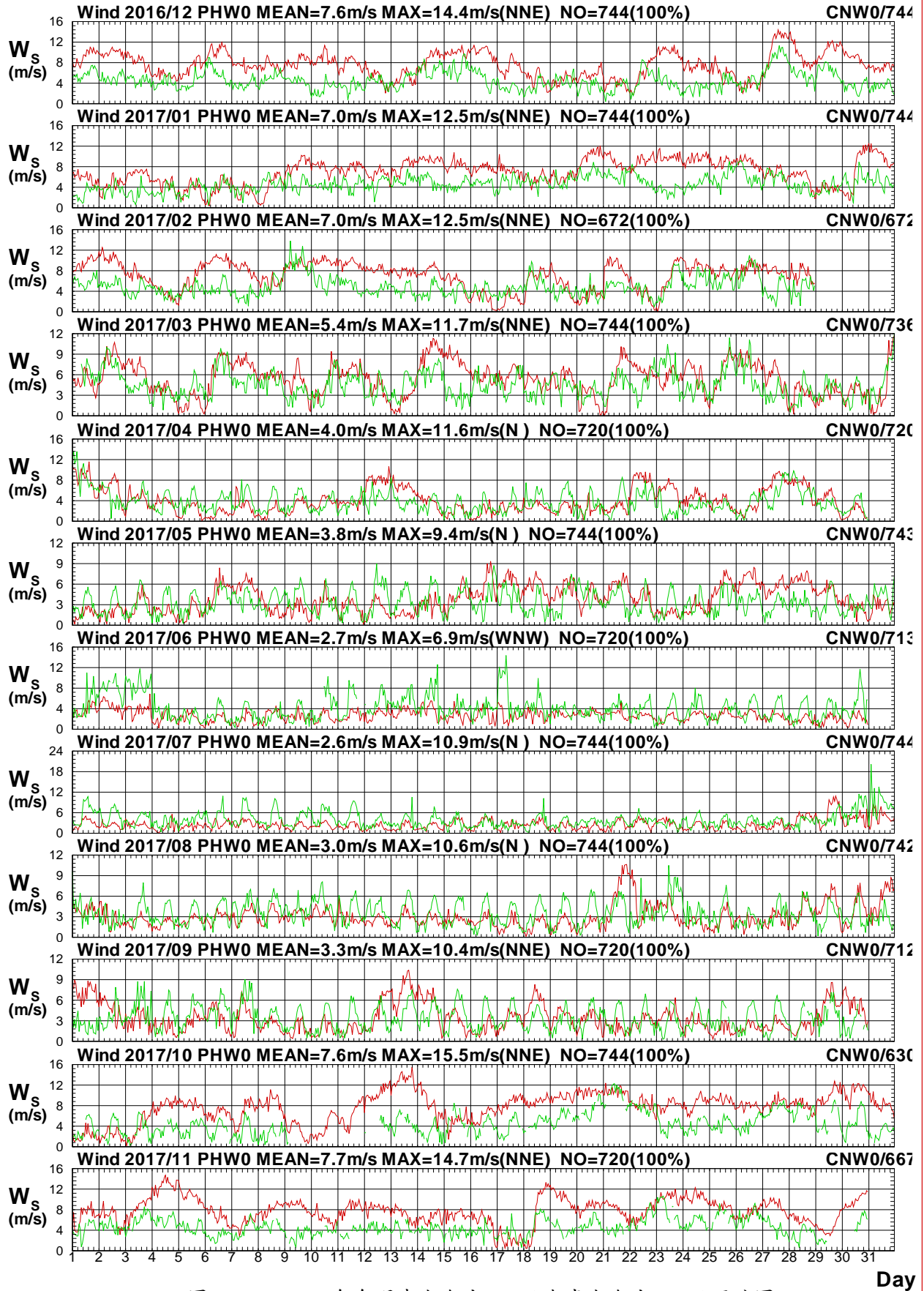


圖1.29a 2017年每月澎湖海域 W 站與嘉南海域 W 站風速圖

W16CPHW0.1HA W16CCNW0.1H0 W171PHW0.1HA W171CNW0.1H0 W172PHW0.1HA W172CNW0.1H0
 W173PHW0.1HA W173CNW0.1H0 W174PHW0.1HA W174CNW0.1H0 W175PHW0.1HA W175CNW0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

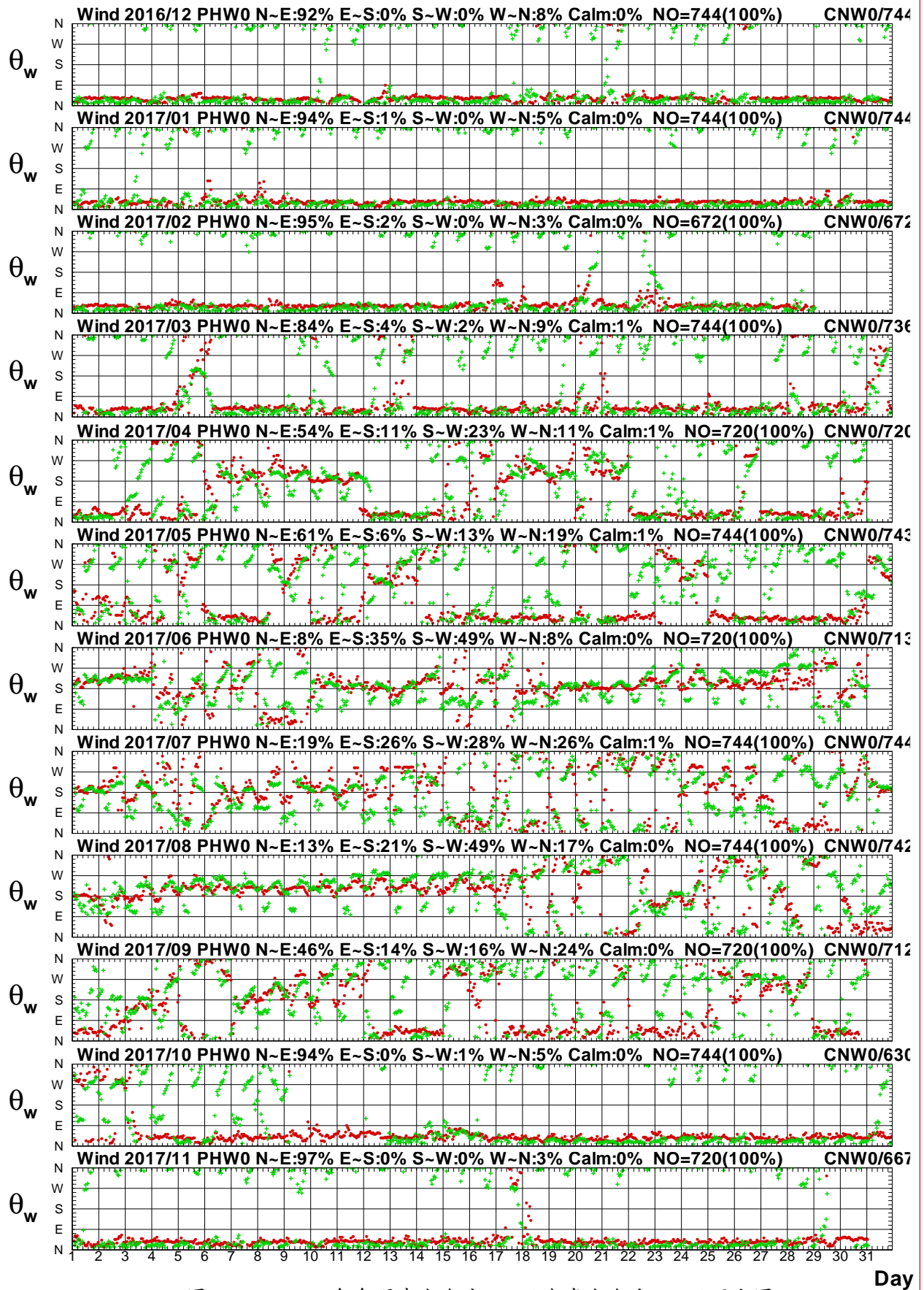


圖1.29b 2017年每月澎湖海域 W 站與嘉南海域 W 站風向圖

W16CPHW0.1HA W16CCNW0.1H0 W171PHW0.1HA W171CNW0.1H0 W172PHW0.1HA W172CNW0.1H0
 W173PHW0.1HA W173CNW0.1H0 W174PHW0.1HA W174CNW0.1H0 W175PHW0.1HA W175CNW0.1H0

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Wind Speed in Peng-Hu Seas of PHW0 at 2017

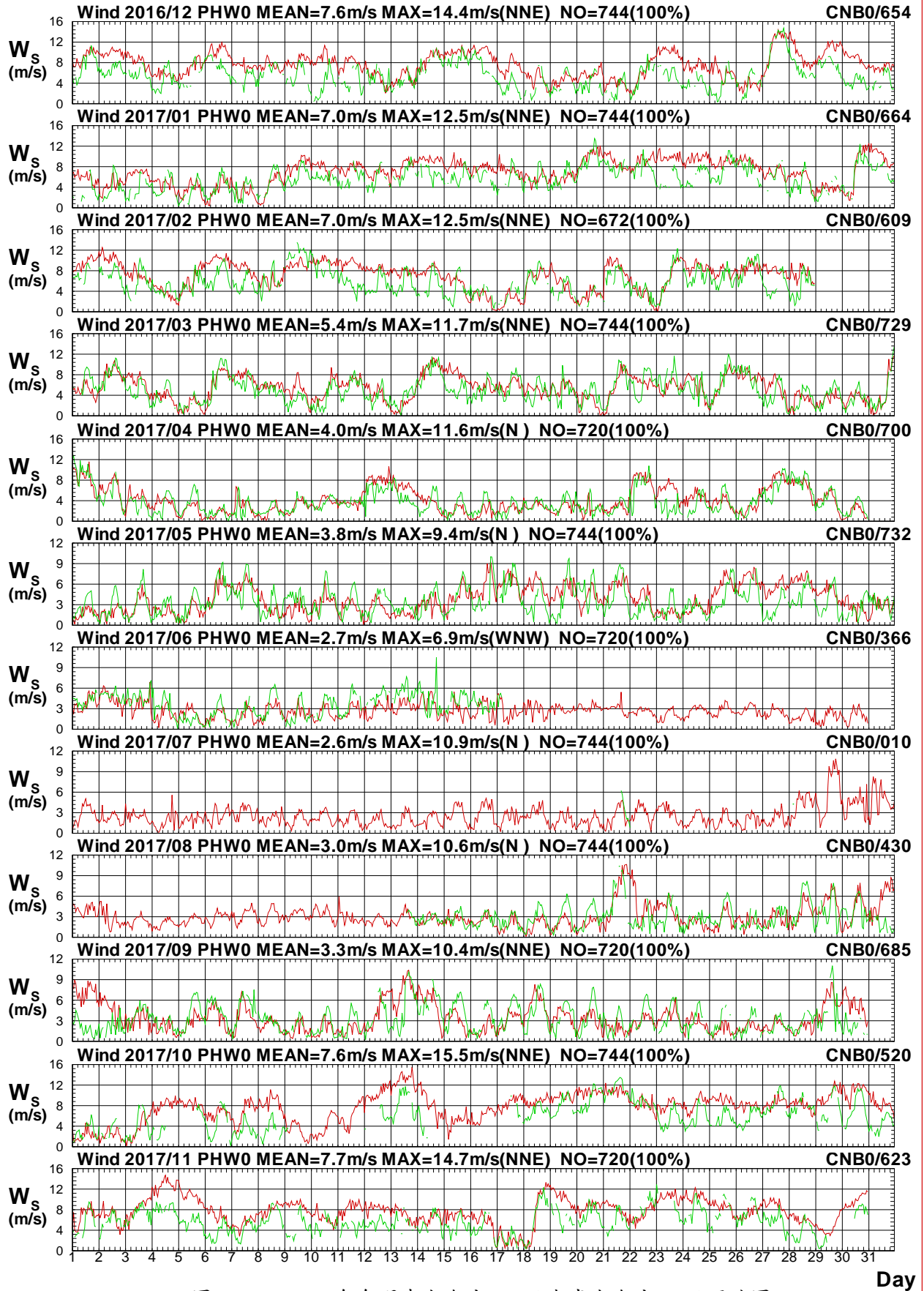


圖1.30a 2017年每月澎湖海域 W 站與嘉南海域 B 站風速圖

W16CPHW0.1HA W16CCNB0.1H0 W171PHW0.1HA W171CNB0.1H0 W172PHW0.1HA W172CNB0.1H0
 W173PHW0.1HA W173CNB0.1H0 W174PHW0.1HA W174CNB0.1H0 W175PHW0.1HA W175CNB0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

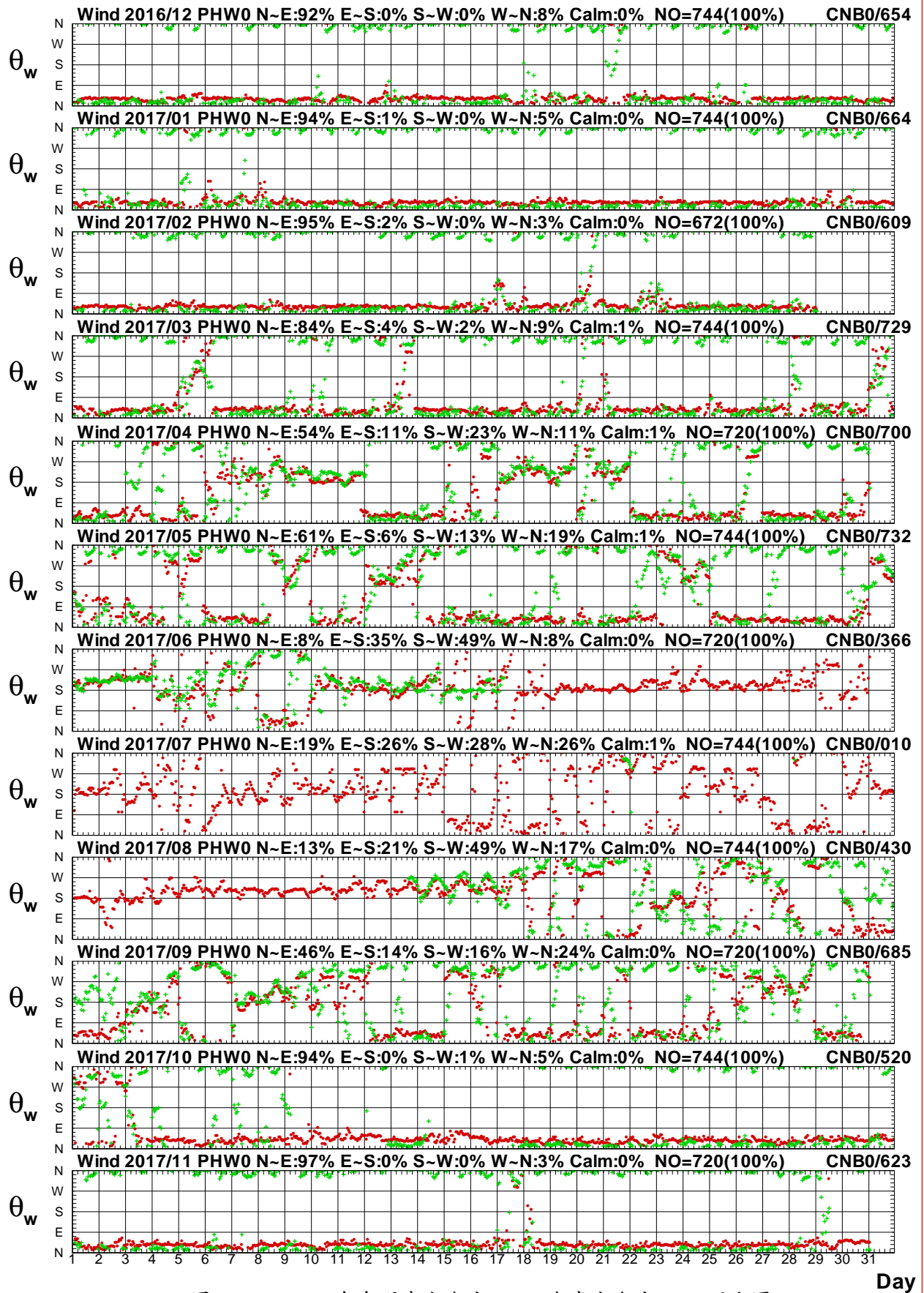


圖1.30b 2017年每月澎湖海域 W 站與嘉南海域 B 站風向圖

W16CPHW0.1HA W16CCNB0.1HO W171PHW0.1HA W171CNB0.1HO W172PHW0.1HA W172CNB0.1HO
 W173PHW0.1HA W173CNB0.1HO W174PHW0.1HA W174CNB0.1HO W175PHW0.1HA W175CNB0.1HO

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Wind Speed in Peng-Hu Seas of PHW0 at 2017

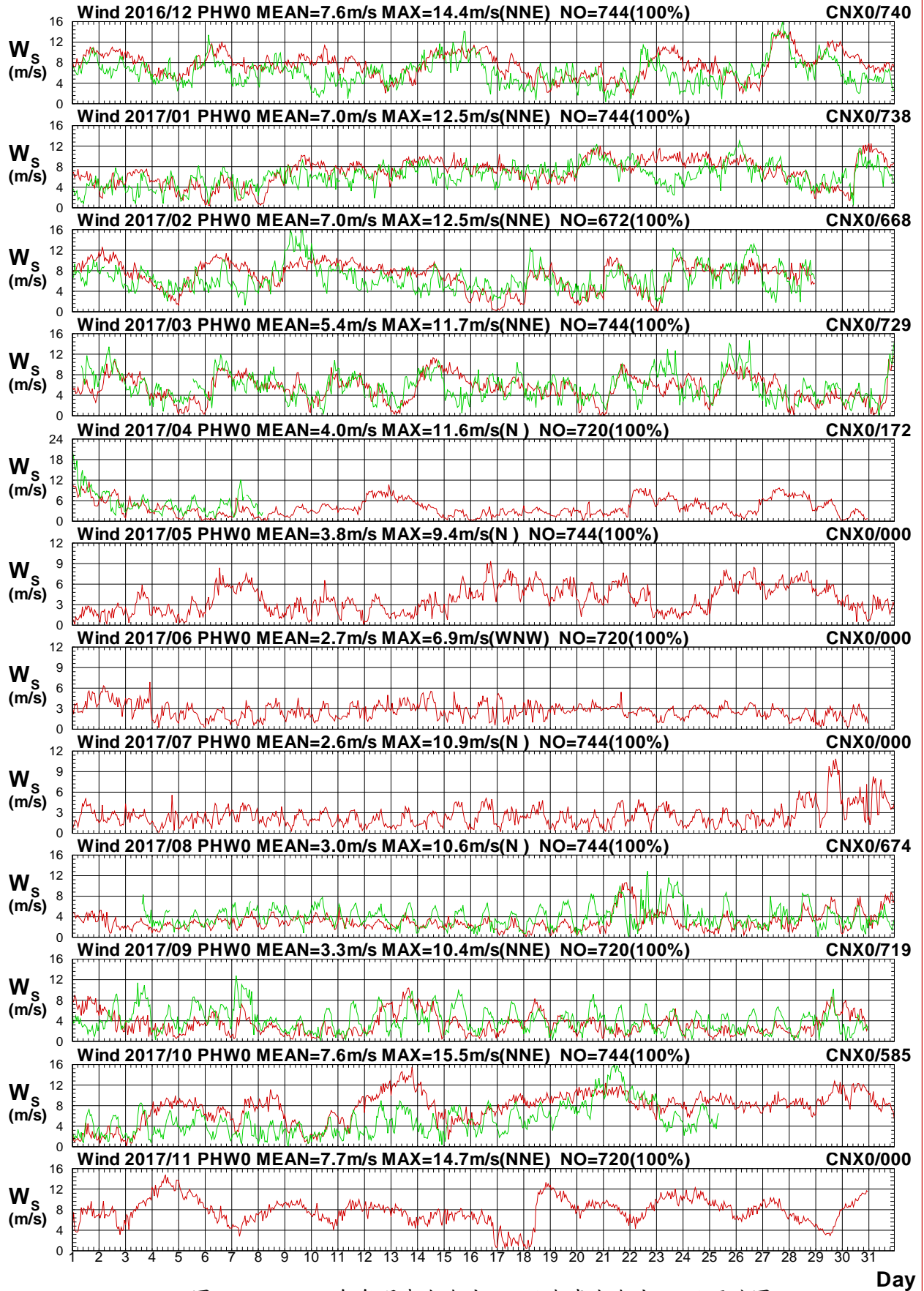


圖1.31a 2017年每月澎湖海域 W 站與嘉南海域 X 站風速圖

W16CPHW0.1HA W16CCNX0.1H0 W171PHW0.1HA W171CNX0.1H0 W172PHW0.1HA W172CNX0.1H0
 W173PHW0.1HA W173CNX0.1H0 W174PHW0.1HA W174CNX0.1H0 W175PHW0.1HA W175CNX0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

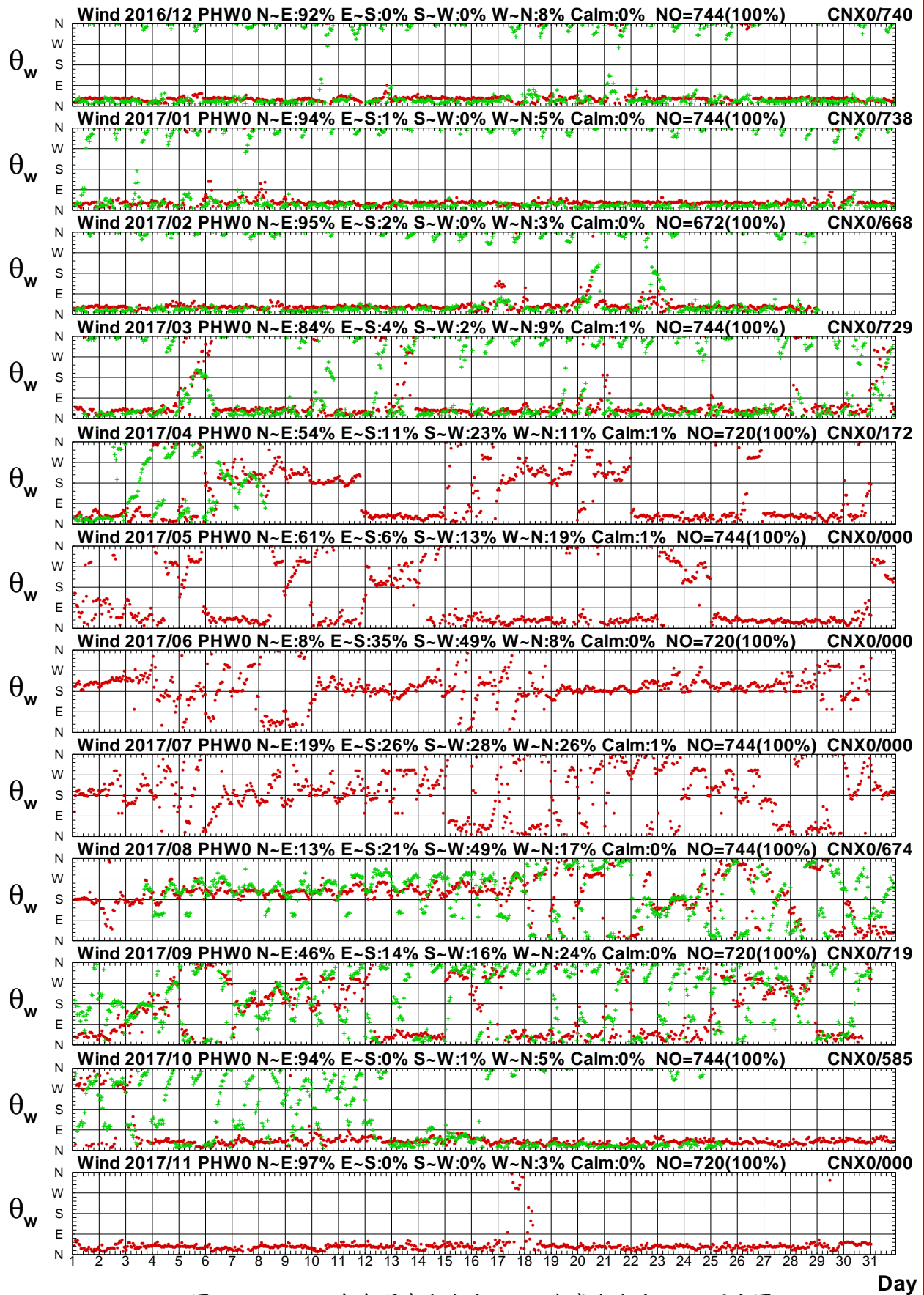


圖1.31b 2017年每月澎湖海域 W 站與嘉南海域 X 站風向圖

W16CPHW0.1HA W16CCNX0.1HO W171PHW0.1HA W171CNX0.1HO W172PHW0.1HA W172CNX0.1HO
 W173PHW0.1HA W173CNX0.1HO W174PHW0.1HA W174CNX0.1HO W175PHW0.1HA W175CNX0.1HO

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Wind Speed in Peng-Hu Seas of PHW0 at 2017

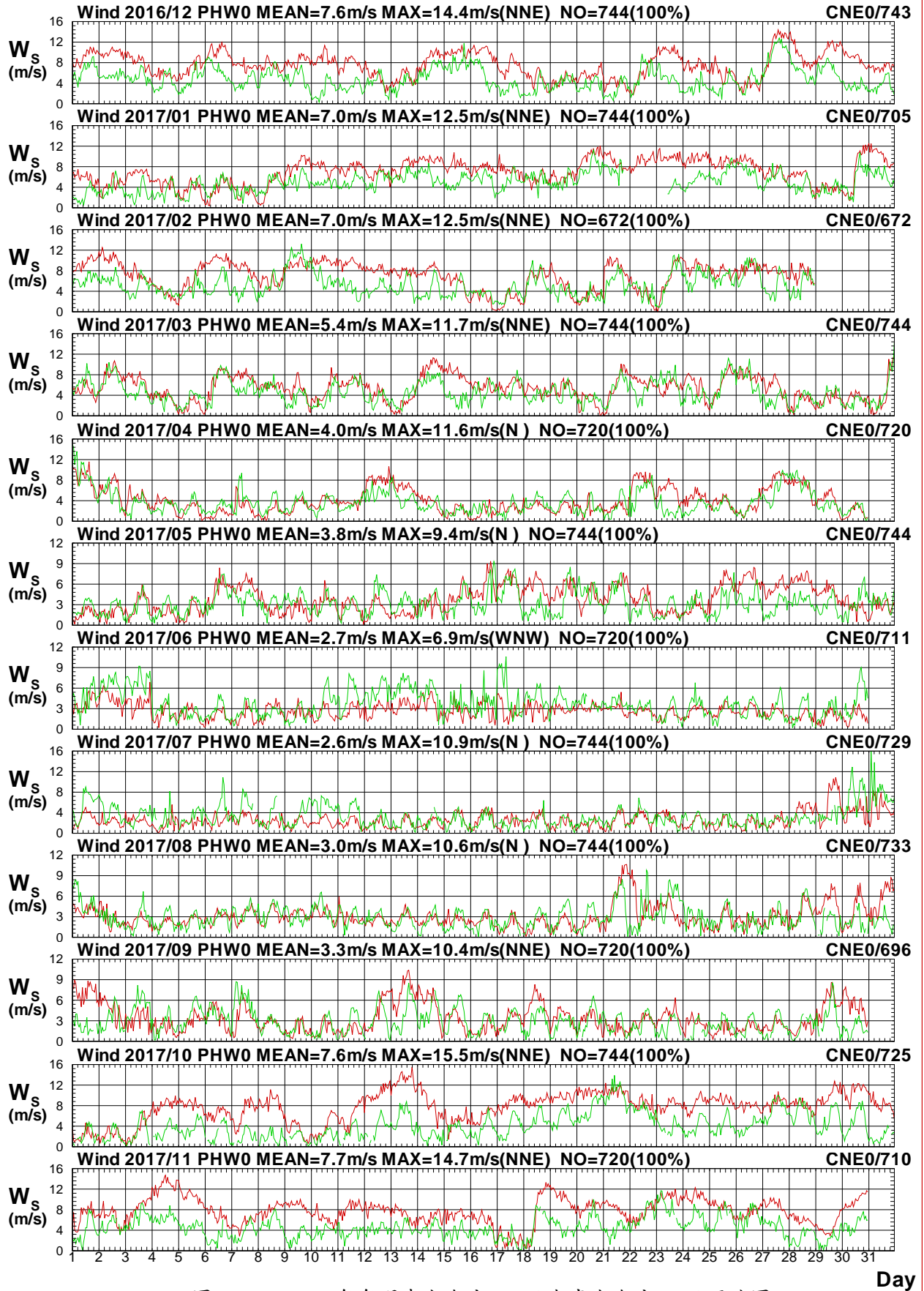


圖1.32a 2017年每月澎湖海域 W 站與嘉南海域 E 站風速圖

W16CPHW0.1HA W16CCNE0.1HO W171PHW0.1HA W171CNE0.1HO W172PHW0.1HA W172CNE0.1HO
 W173PHW0.1HA W173CNE0.1HO W174PHW0.1HA W174CNE0.1HO W175PHW0.1HA W175CNE0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

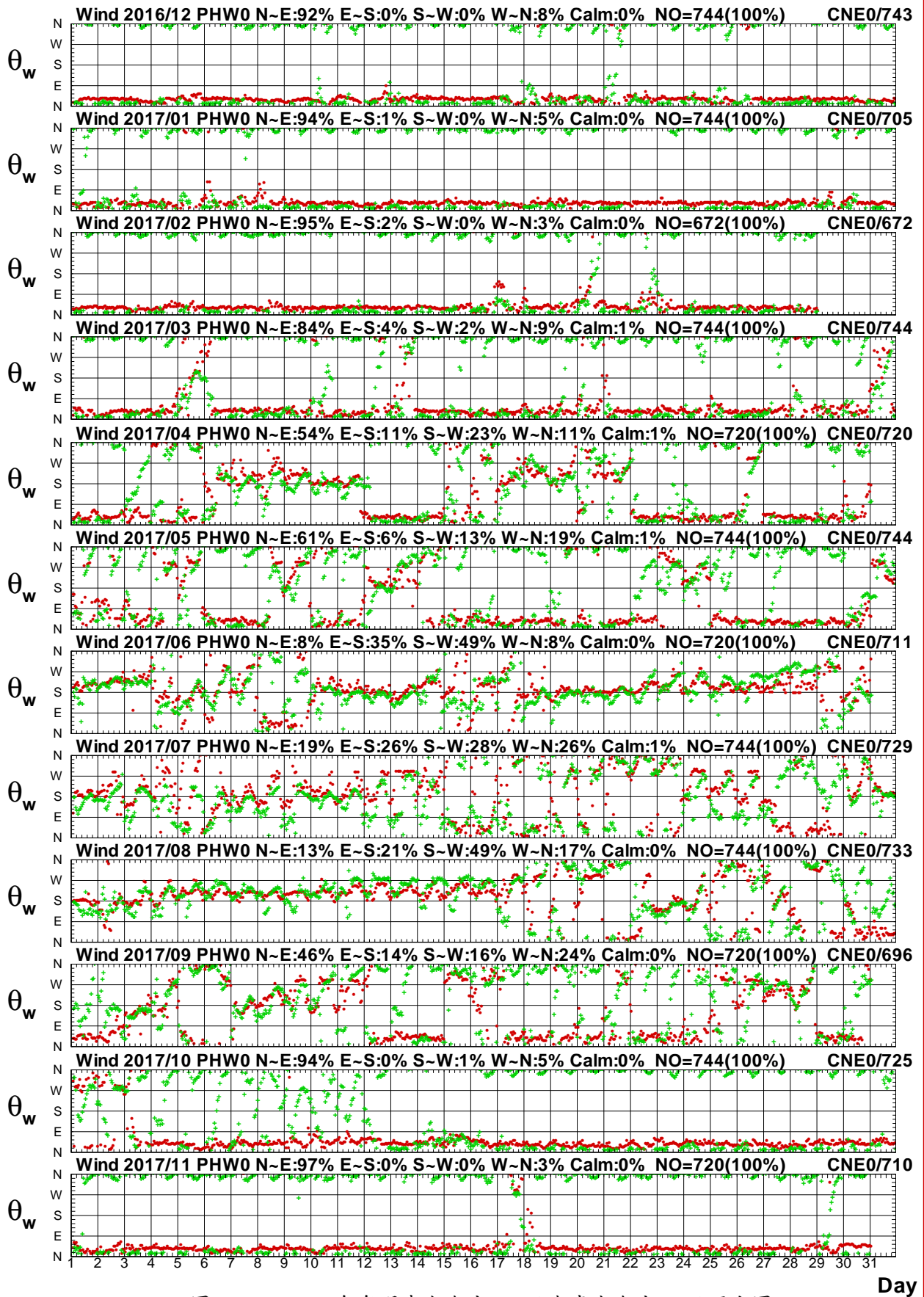


圖1.32b 2017年每月澎湖海域 W 站與嘉南海域 E 站風向圖

W16CPHW0.1HA W16CCNE0.1HO W171PHW0.1HA W171CNE0.1HO W172PHW0.1HA W172CNE0.1HO
 W173PHW0.1HA W173CNE0.1HO W174PHW0.1HA W174CNE0.1HO W175PHW0.1HA W175CNE0.1HO

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Wind Speed in Peng-Hu Seas of PHW0 at 2017

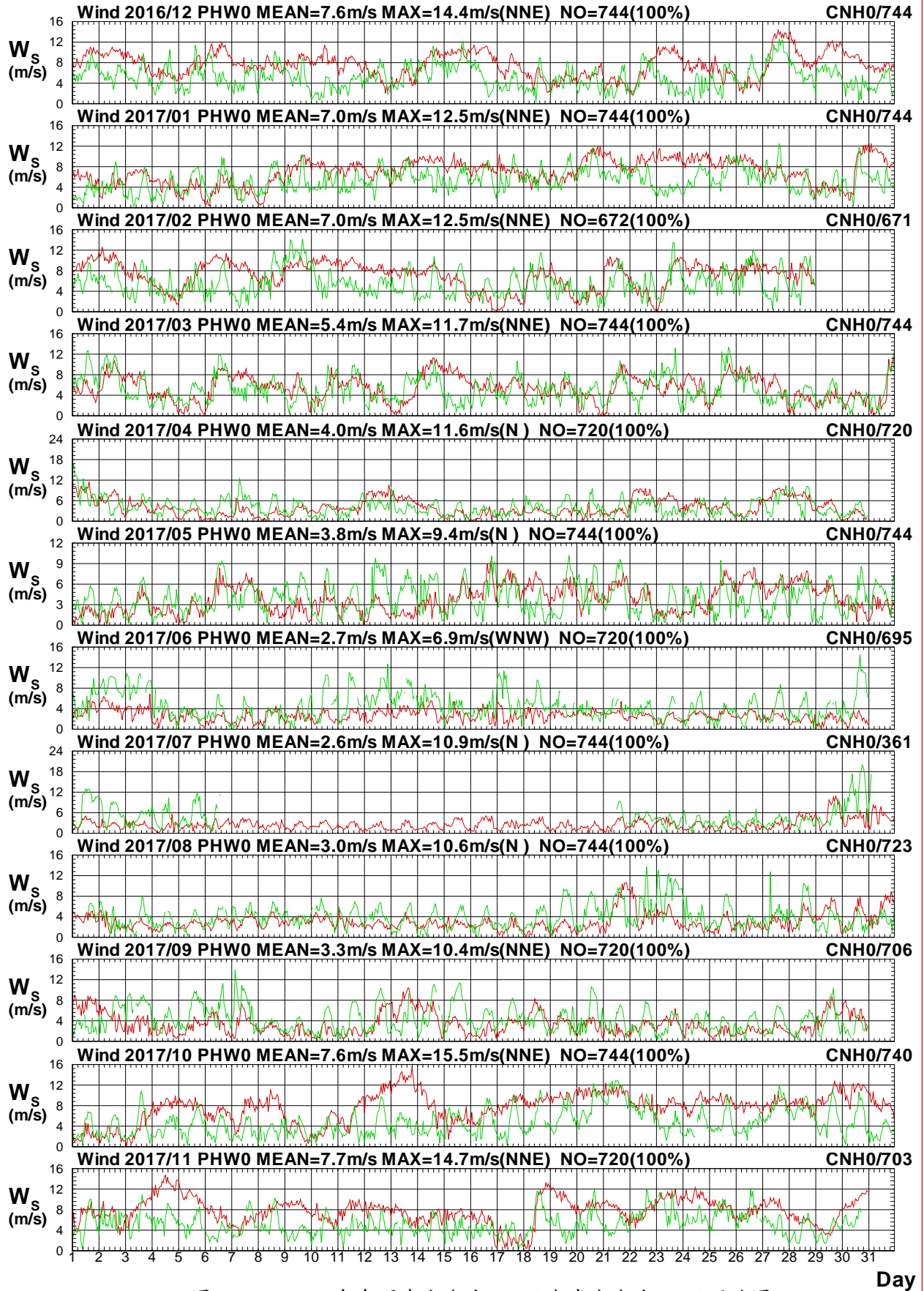


圖1.33a 2017年每月澎湖海域 W 站與嘉南海域 H 站風速圖

W16CPHW0.1HA W16CCNH0.1H0 W171PHW0.1HA W171CNH0.1H0 W172PHW0.1HA W172CNH0.1H0
 W173PHW0.1HA W173CNH0.1H0 W174PHW0.1HA W174CNH0.1H0 W175PHW0.1HA W175CNH0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

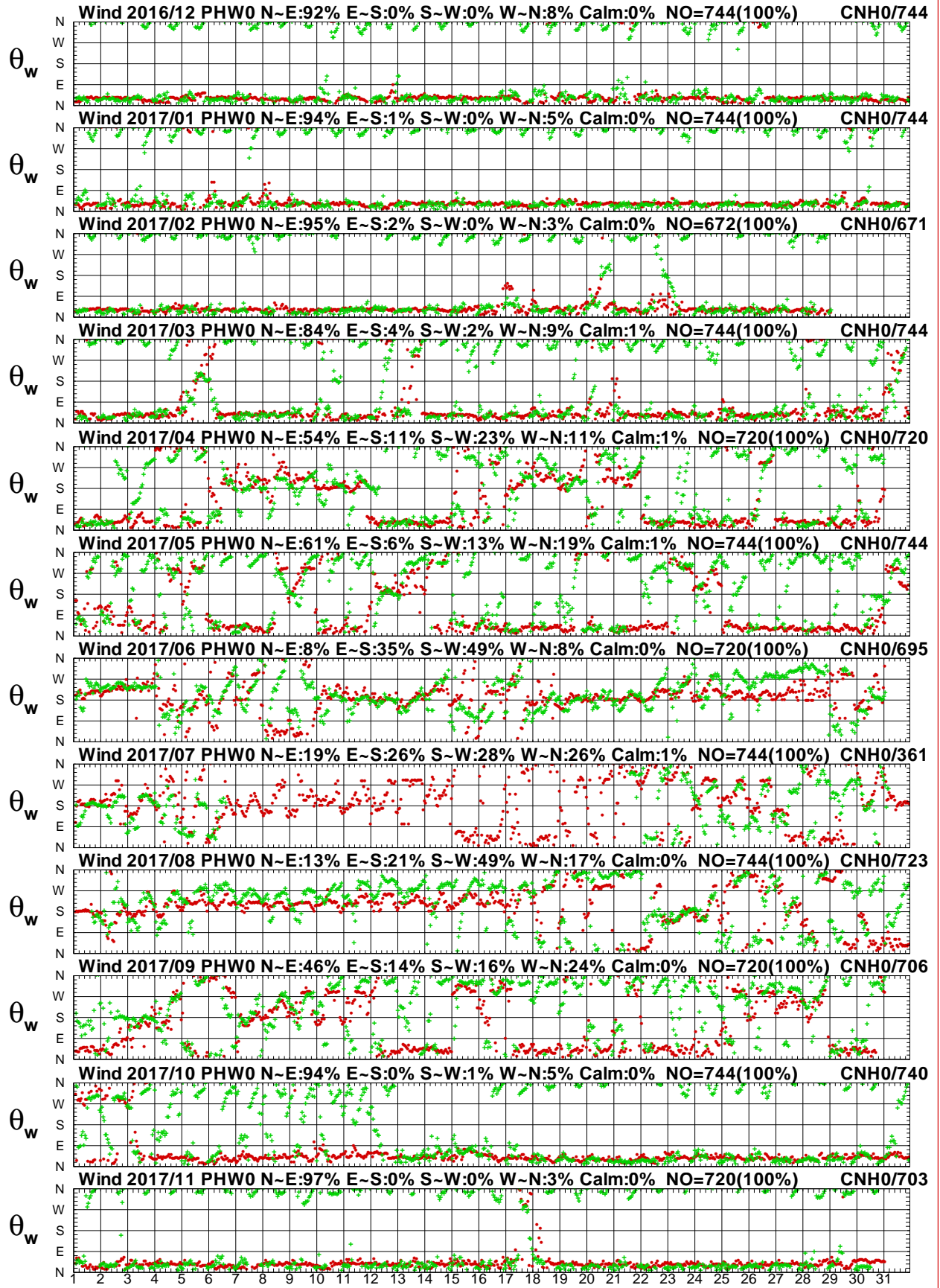


圖1.33b 2017年每月澎湖海域 W 站與嘉南海域 H 站風向圖

W16CPHW0.1HA W16CCNH0.1H0 W171PHW0.1HA W171CNH0.1H0 W172PHW0.1HA W172CNH0.1H0
 W173PHW0.1HA W173CNH0.1H0 W174PHW0.1HA W174CNH0.1H0 W175PHW0.1HA W175CNH0.1H0
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Wind Speed in Peng-Hu Seas of PHW0 at 2017

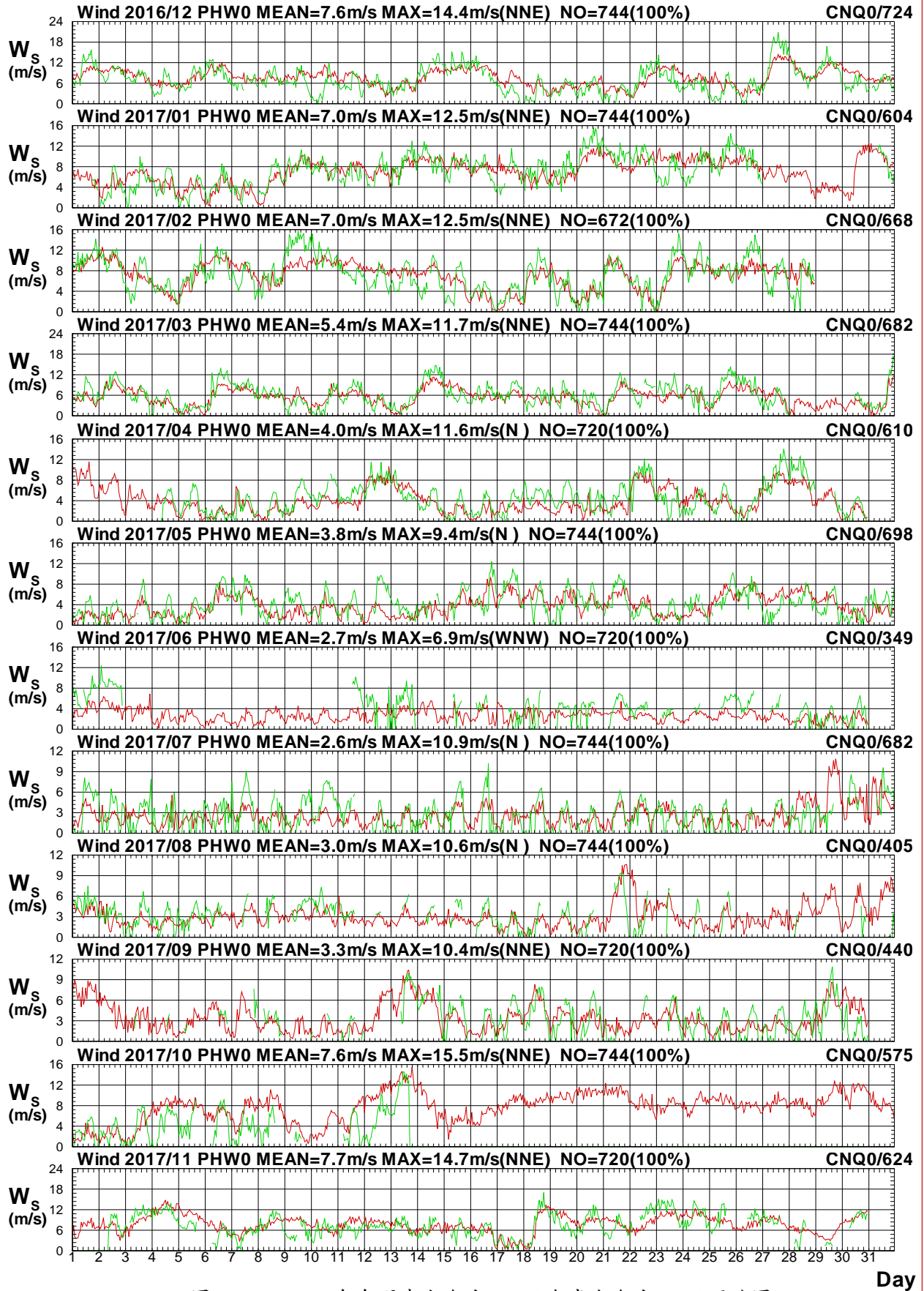


圖1.34a 2017年每月澎湖海域 W 站與嘉南海域 Q 站風速圖

W16CPHW0.1HA W16CCNQ0.1H0 W171PHW0.1HA W171CNQ0.1H0 W172PHW0.1HA W172CNQ0.1H0
 W173PHW0.1HA W173CNQ0.1H0 W174PHW0.1HA W174CNQ0.1H0 W175PHW0.1HA W175CNQ0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

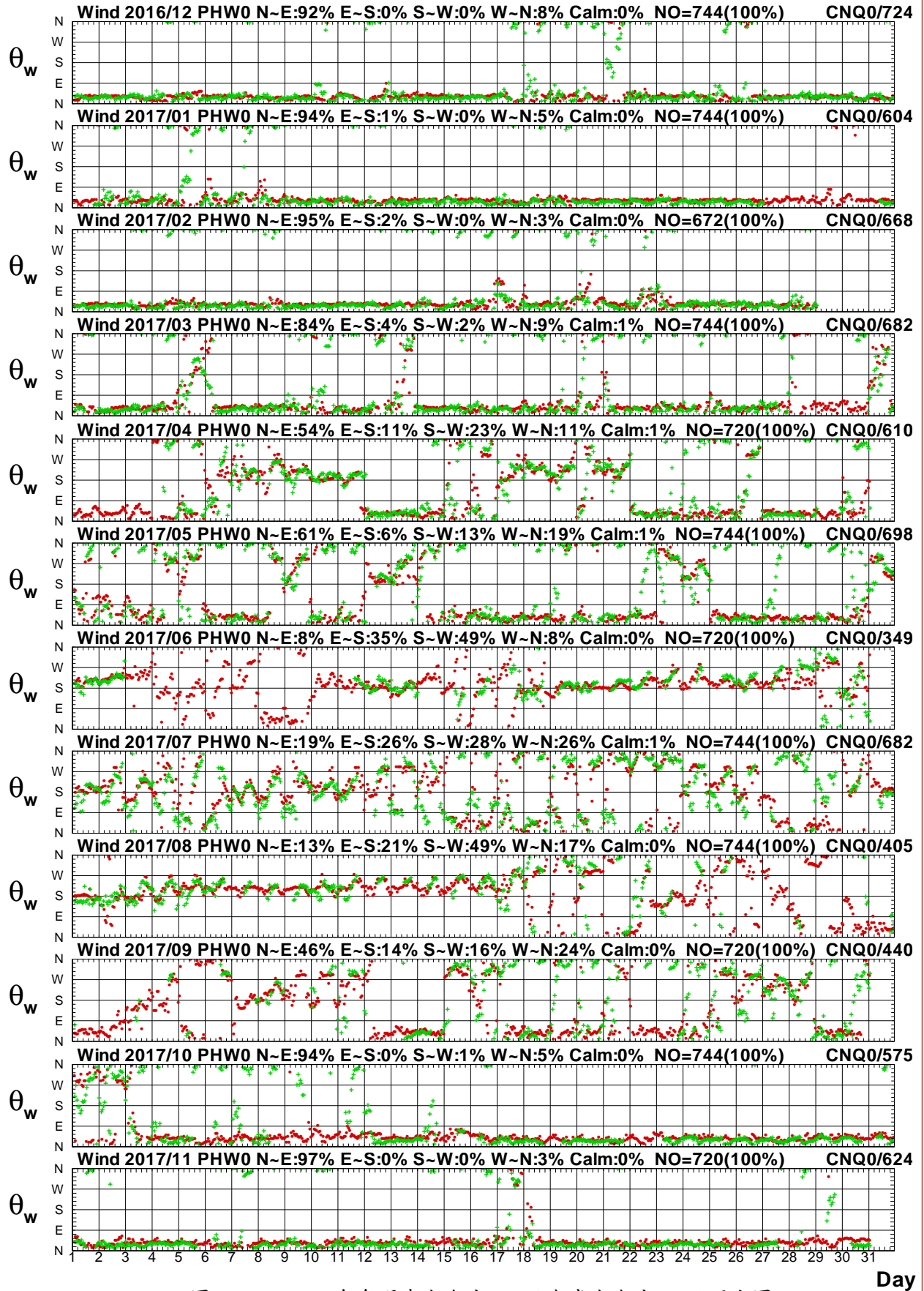


圖1.34b 2017年每月澎湖海域 W 站與嘉南海域 Q 站風向圖

W16CPHW0.1HA W16CCNQ0.1H0 W171PHW0.1HA W171CNQ0.1H0 W172PHW0.1HA W172CNQ0.1H0
 W173PHW0.1HA W173CNQ0.1H0 W174PHW0.1HA W174CNQ0.1H0 W175PHW0.1HA W175CNQ0.1H0
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Wind Speed in Peng-Hu Seas of PHW0 at 2017

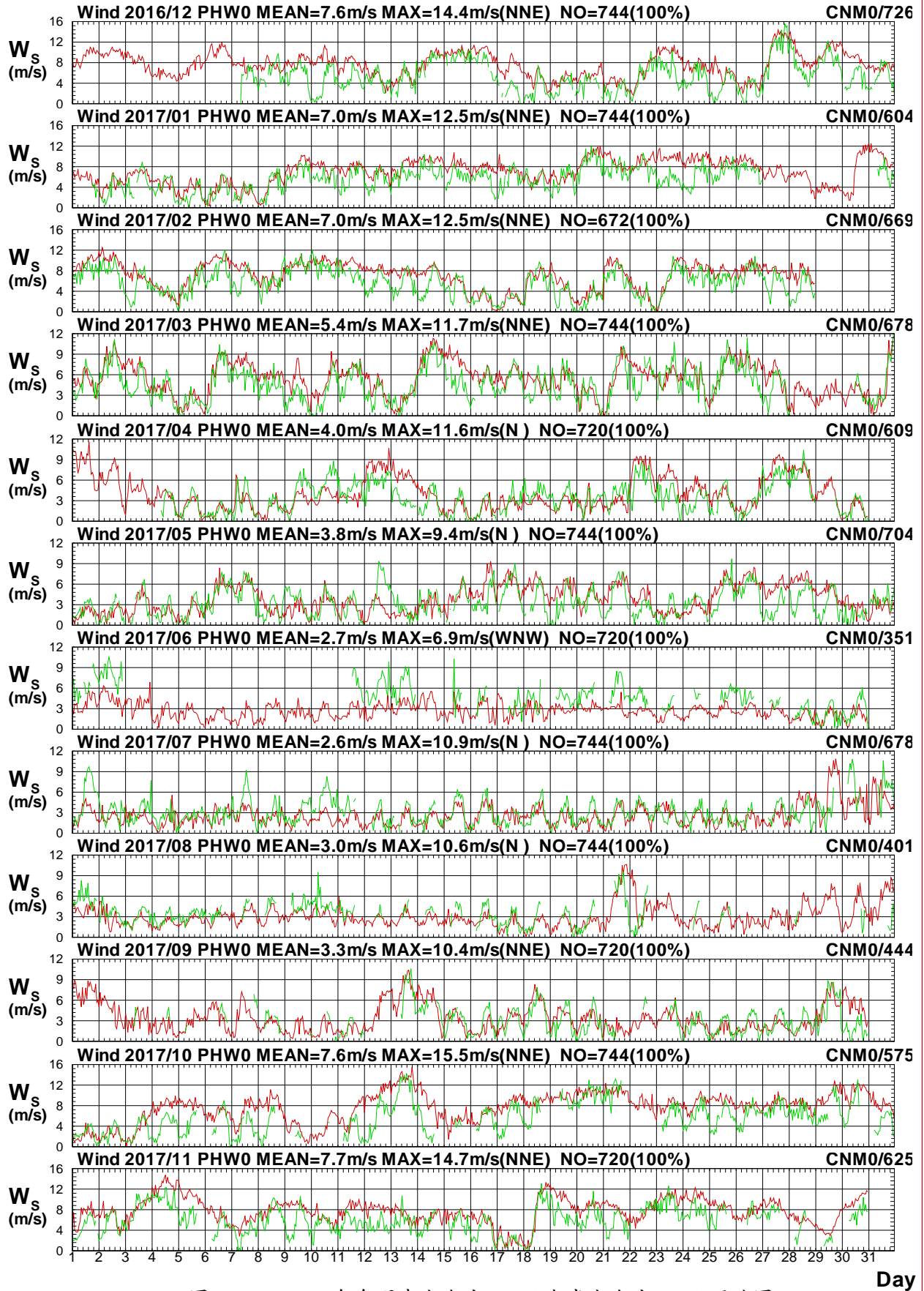


圖1.35a 2017年每月澎湖海域 W 站與嘉南海域 M 站風速圖

W16CPHW0.1HA W16CCNM0.1H0 W171PHW0.1HA W171CNM0.1H0 W172PHW0.1HA W172CNM0.1H0
 W173PHW0.1HA W173CNM0.1H0 W174PHW0.1HA W174CNM0.1H0 W175PHW0.1HA W175CNM0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

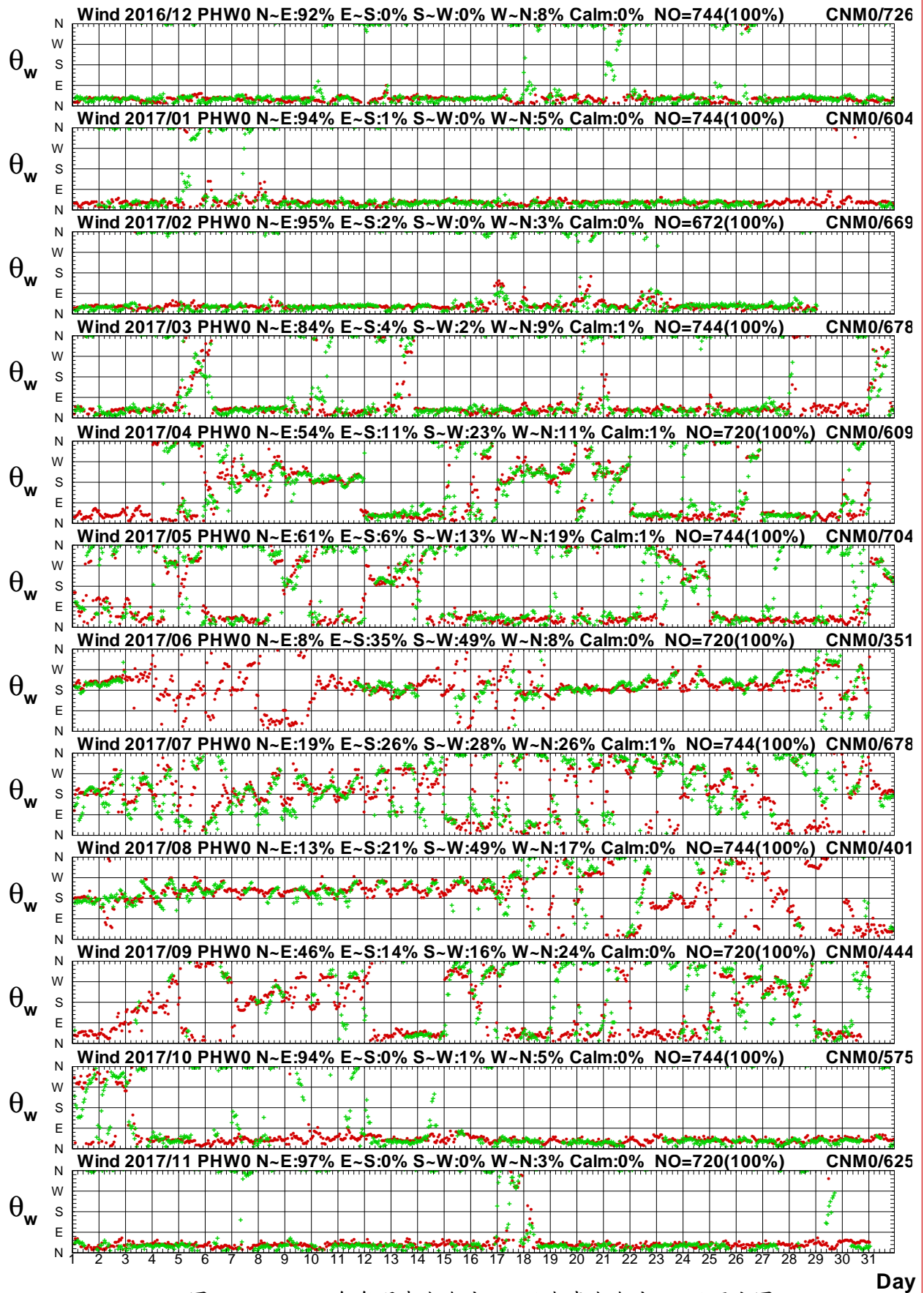


圖1.35b 2017年每月澎湖海域 W 站與嘉南海域 M 站風向圖

W16CPHW0.1HA W16CCNM0.1H0 W171PHW0.1HA W171CNM0.1H0 W172PHW0.1HA W172CNM0.1H0
 W173PHW0.1HA W173CNM0.1H0 W174PHW0.1HA W174CNM0.1H0 W175PHW0.1HA W175CNM0.1H0

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Wind Speed in Peng-Hu Seas of PHW0 at 2017

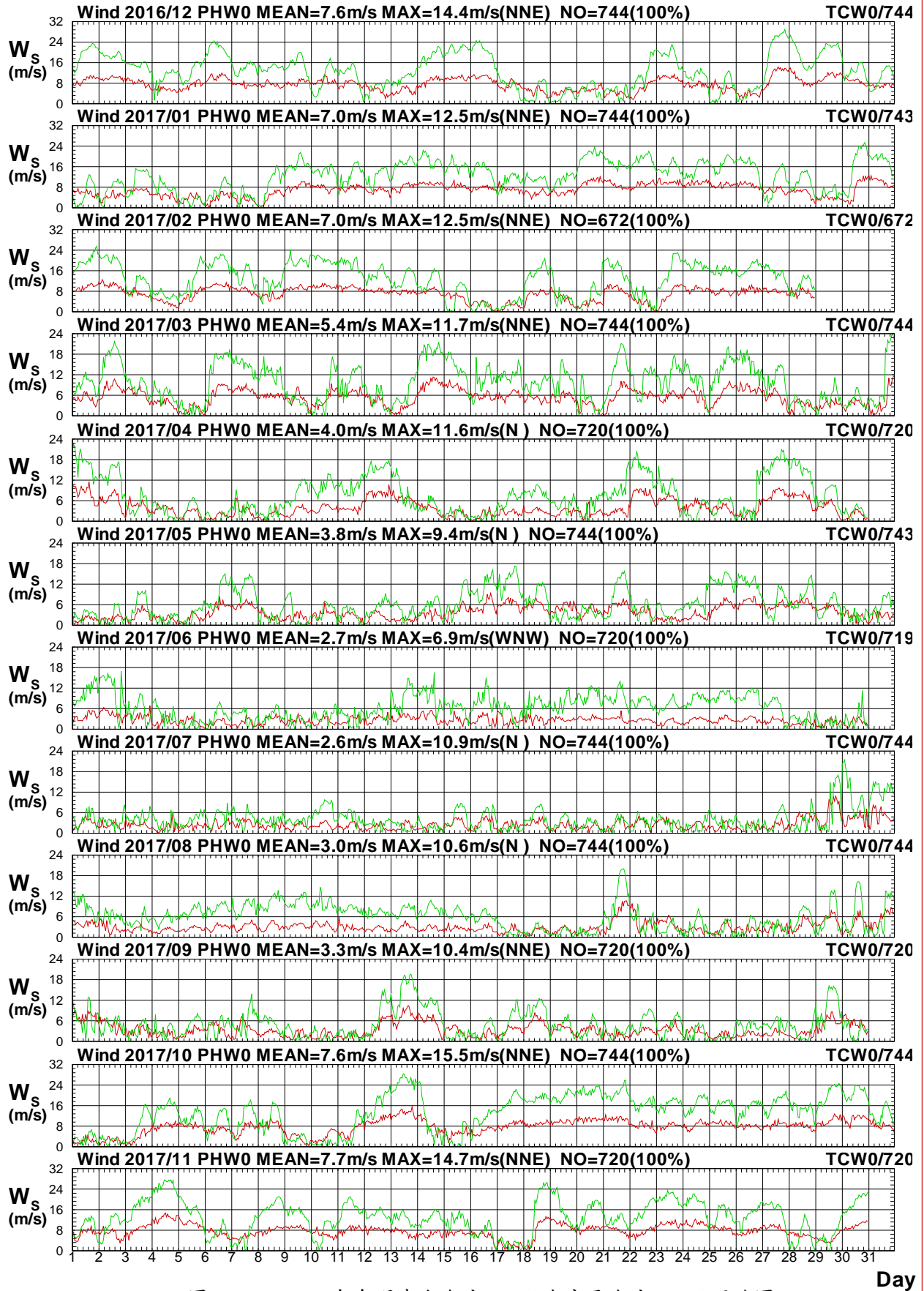


圖1.36a 2017年每月澎湖海域 W 站與中雲海域 W 站風速圖

W16CPHW0.1HA W16CTCW0.1H0 W171PHW0.1HA W171TCW0.1H0 W172PHW0.1HA W172TCW0.1H0
 W173PHW0.1HA W173TCW0.1H0 W174PHW0.1HA W174TCW0.1H0 W175PHW0.1HA W175TCW0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

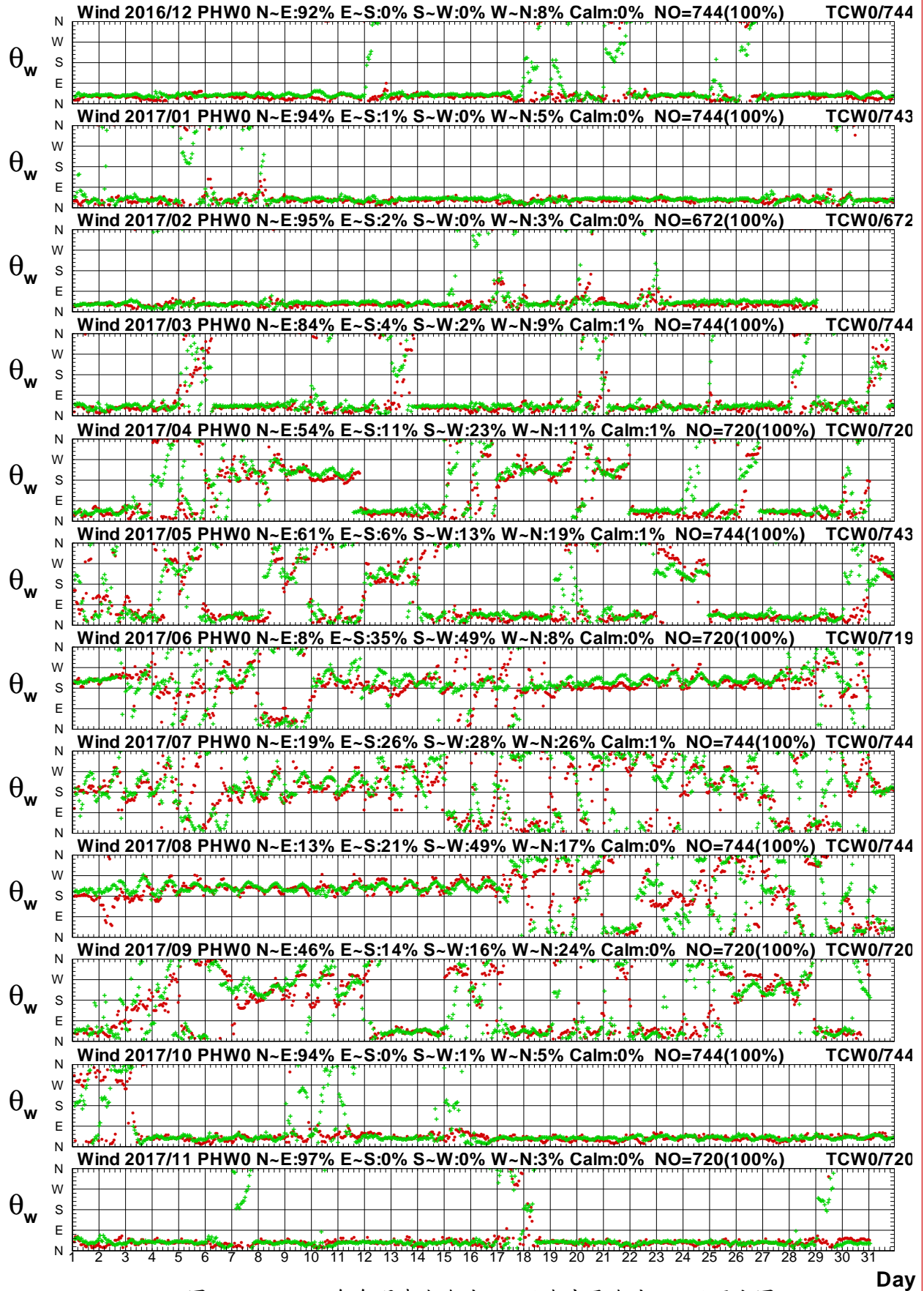


圖1.36b 2017年每月澎湖海域 W 站與中雲海域 W 站風向圖

W16CPHW0.1HA W16CTCW0.1H0 W171PHW0.1HA W171TCW0.1H0 W172PHW0.1HA W172TCW0.1H0
 W173PHW0.1HA W173TCW0.1H0 W174PHW0.1HA W174TCW0.1H0 W175PHW0.1HA W175TCW0.1H0
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Wind Speed in Peng-Hu Seas of PHW0 at 2017

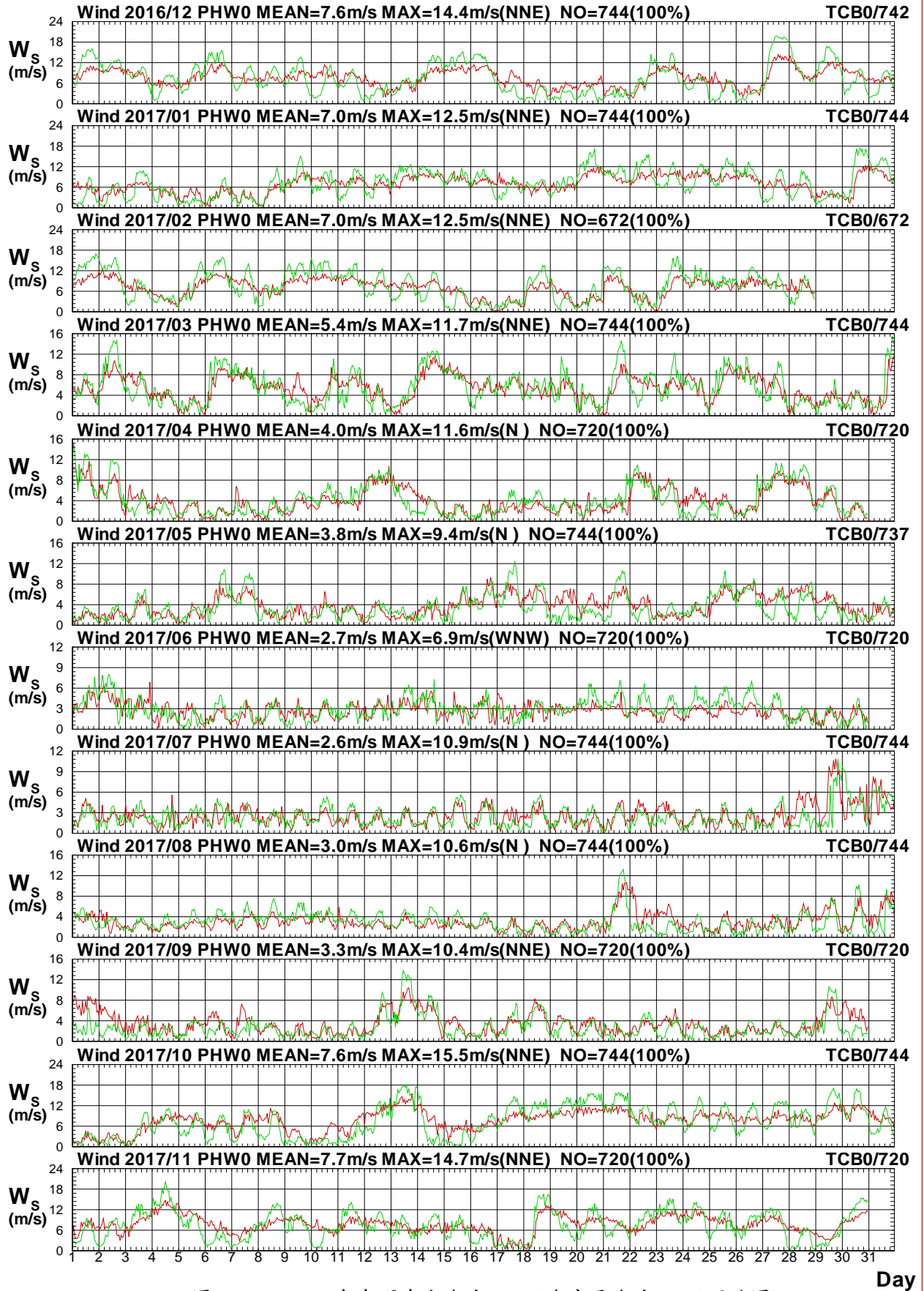


圖1.37a 2017年每月澎湖海域 W 站與中雲海域 B 站風速圖

W16CPHW0.1HA W16CTCB0.1H0 W171PHW0.1HA W171TCB0.1H0 W172PHW0.1HA W172TCB0.1H0
 W173PHW0.1HA W173TCB0.1H0 W174PHW0.1HA W174TCB0.1H0 W175PHW0.1HA W175TCB0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

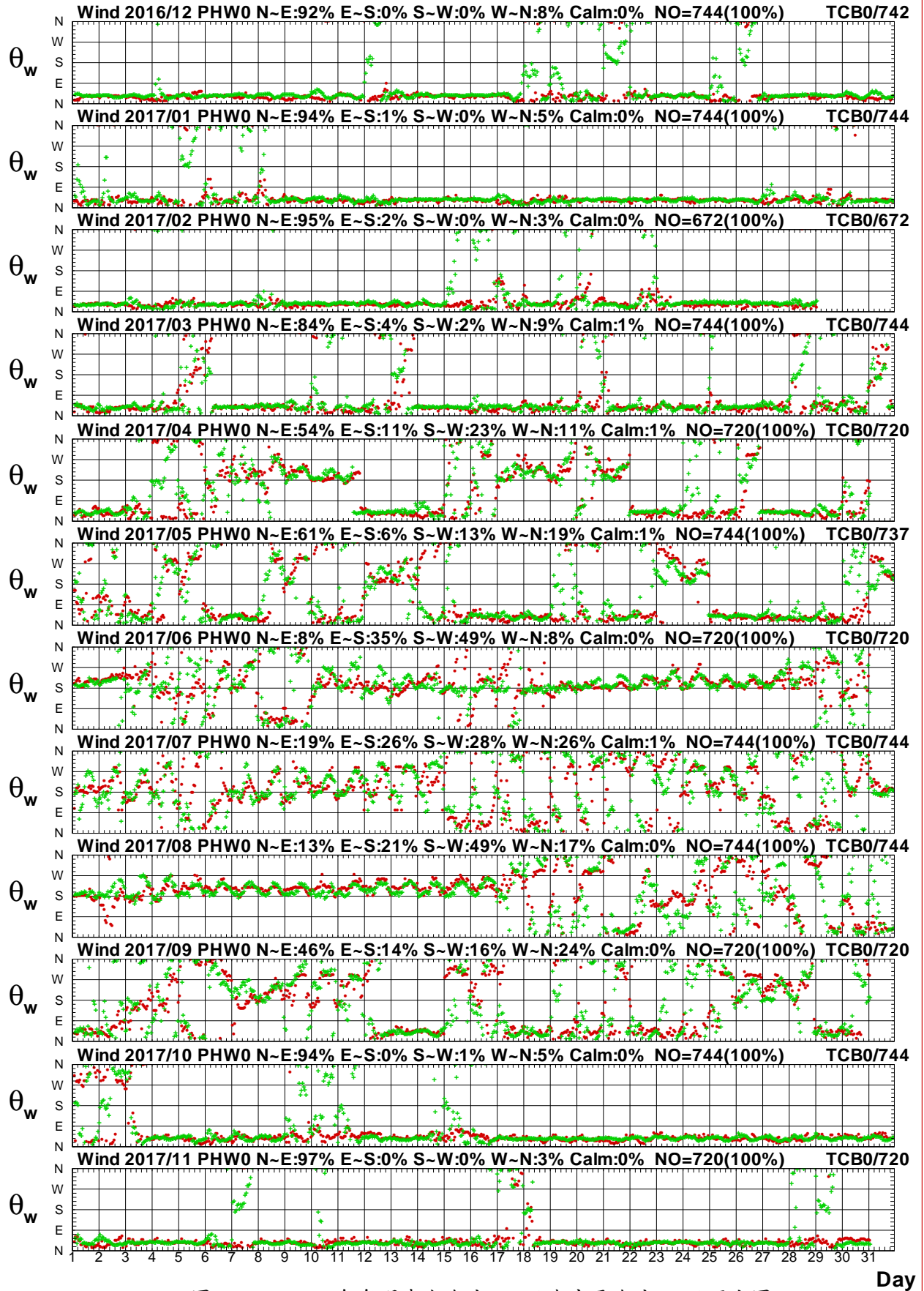


圖1.37b 2017年每月澎湖海域 W 站與中雲海域 B 站風向圖

W16CPHW0.1HA W16CTCB0.1HO W171PHW0.1HA W171TCB0.1HO W172PHW0.1HA W172TCB0.1HO
 W173PHW0.1HA W173TCB0.1HO W174PHW0.1HA W174TCB0.1HO W175PHW0.1HA W175TCB0.1HO
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Wind Speed in Peng-Hu Seas of PHW0 at 2017

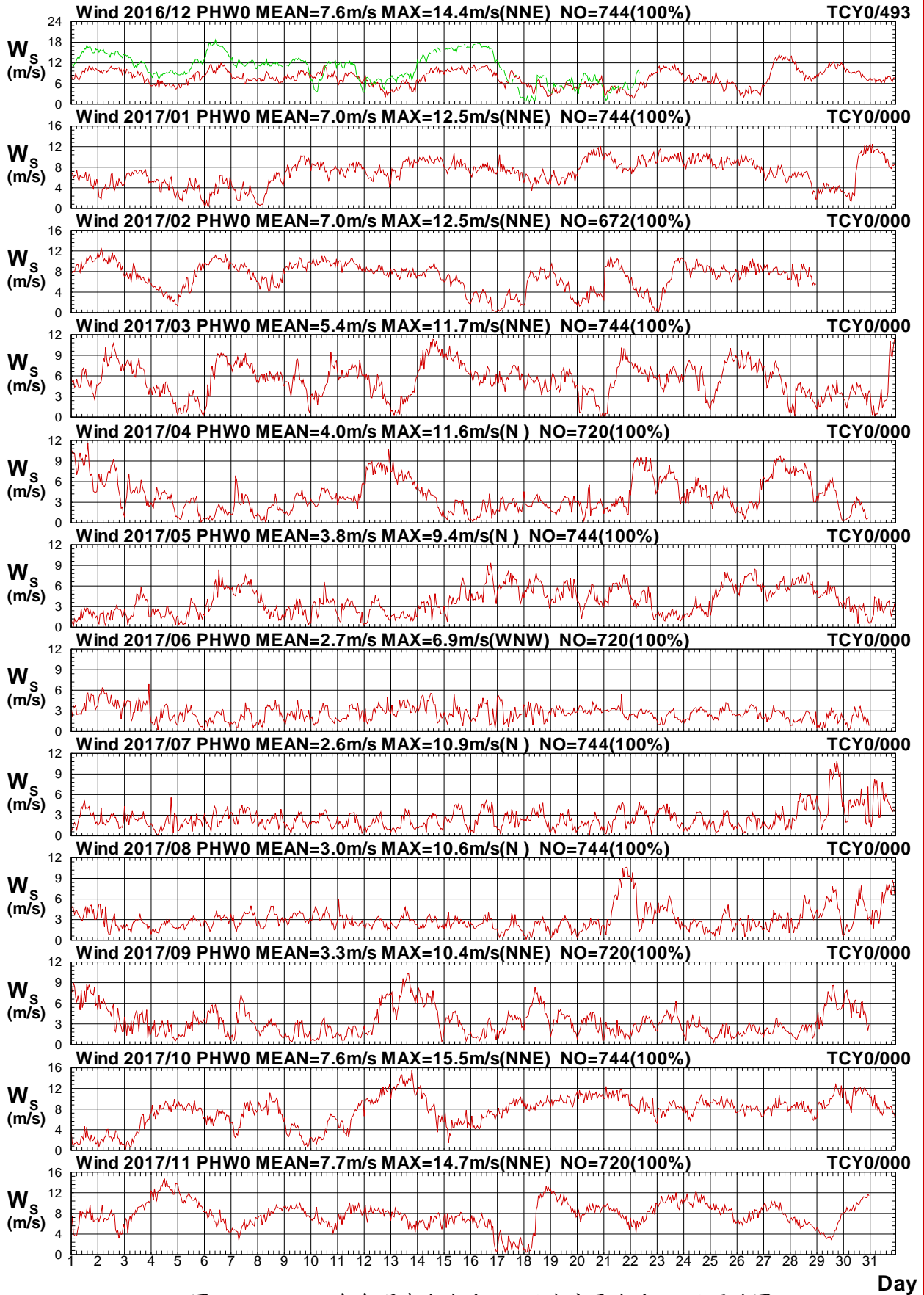


圖1.38a 2017年每月澎湖海域 W 站與中雲海域 Y 站風速圖

W16CPHW0.1HA W16CTCY0.1H0 W171PHW0.1HA W171TCY0.1H0 W172PHW0.1HA W172TCY0.1H0
 W173PHW0.1HA W173TCY0.1H0 W174PHW0.1HA W174TCY0.1H0 W175PHW0.1HA W175TCY0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

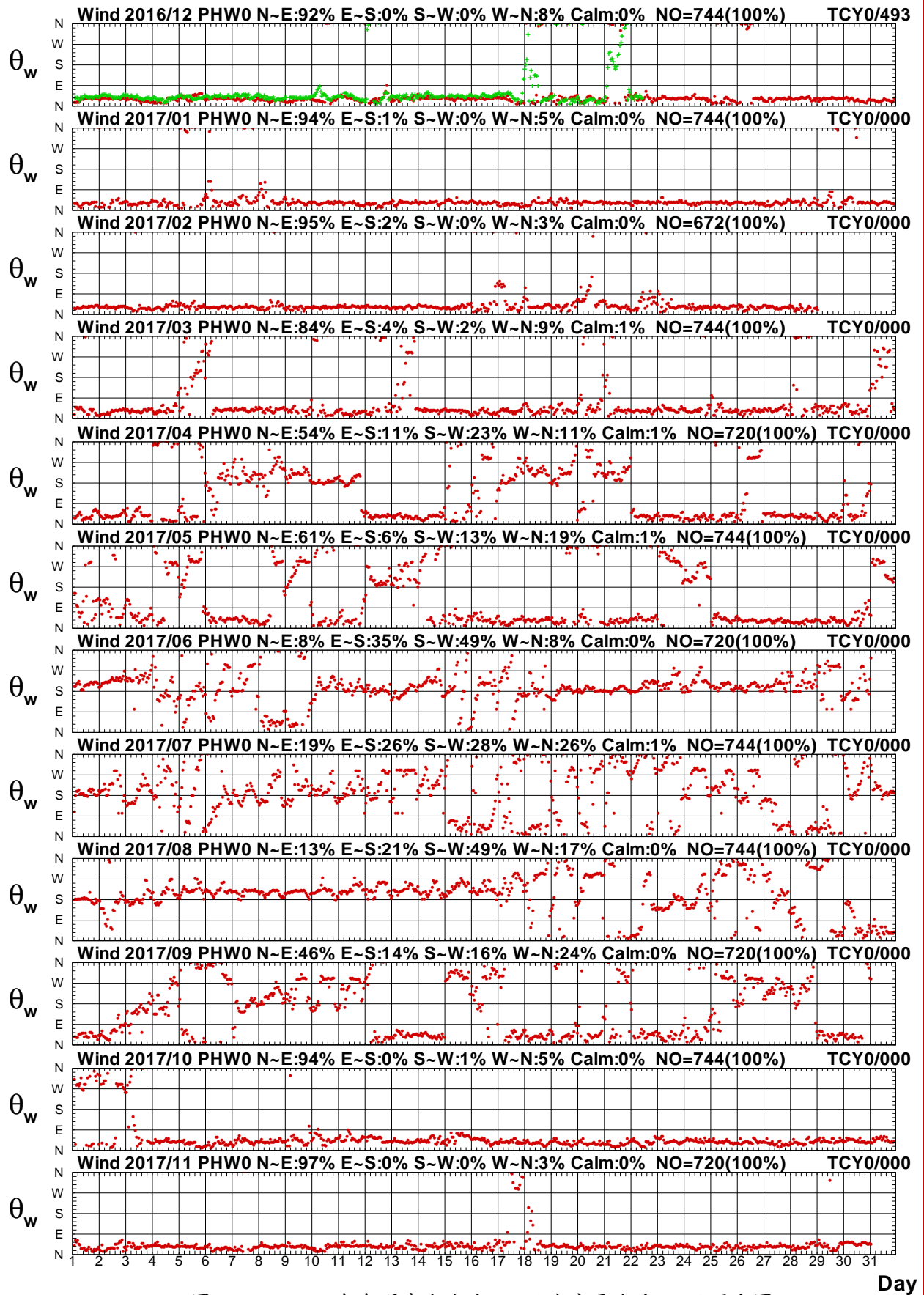


圖1.38b 2017年每月澎湖海域 W 站與中雲海域 Y 站風向圖

W16CPHW0.1HA W16CTCY0.1HO W171PHW0.1HA W171TCY0.1HO W172PHW0.1HA W172TCY0.1HO
 W173PHW0.1HA W173TCY0.1HO W174PHW0.1HA W174TCY0.1HO W175PHW0.1HA W175TCY0.1HO

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Wind Speed in Peng-Hu Seas of PHW0 at 2017

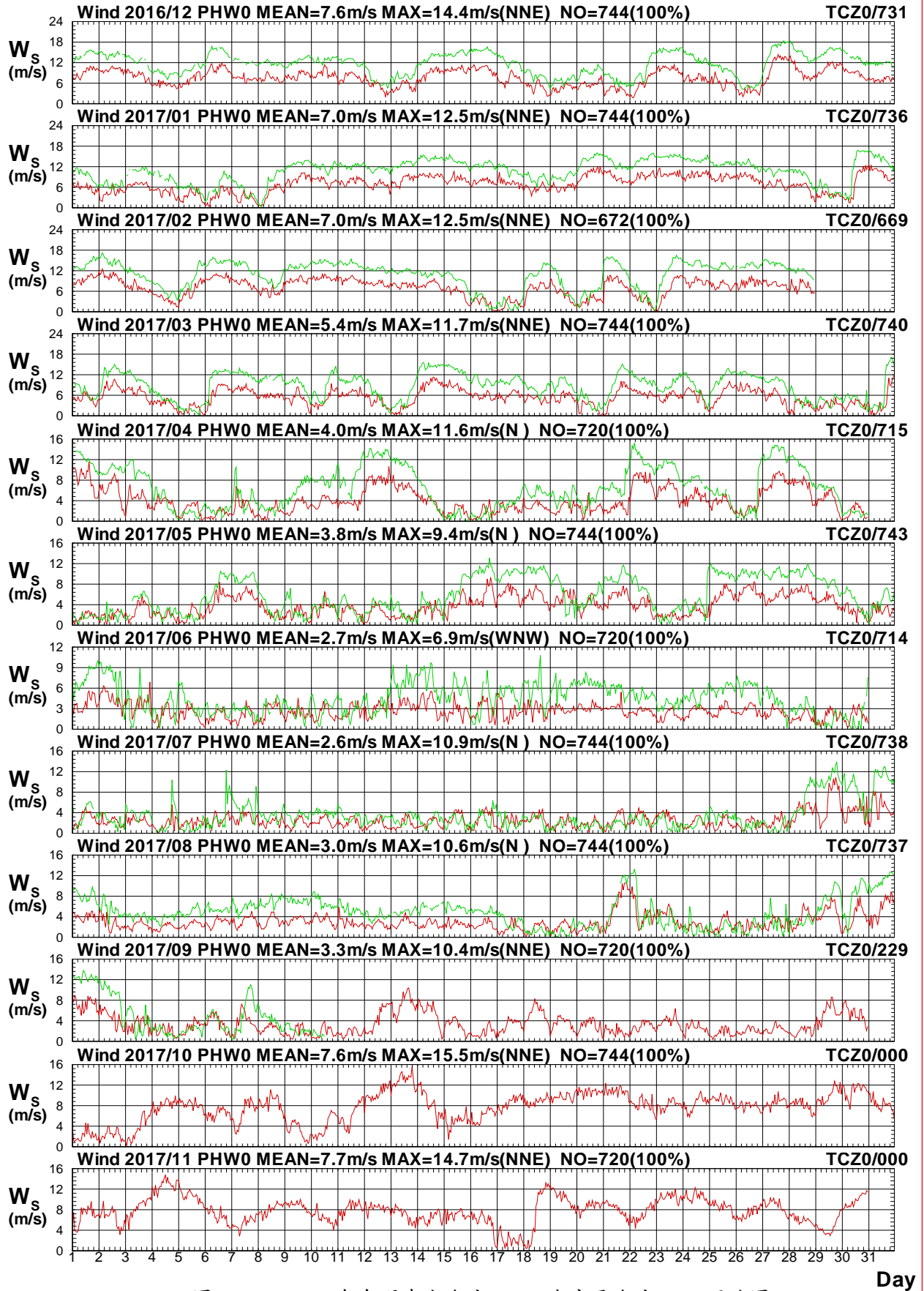


圖1.39a 2017年每月澎湖海域 W 站與中雲海域 Z 站風速圖

W16CPHW0.1HA W16CTCZ0.1HO W171PHW0.1HA W171TCZ0.1HO W172PHW0.1HA W172TCZ0.1HO
 W173PHW0.1HA W173TCZ0.1HO W174PHW0.1HA W174TCZ0.1HO W175PHW0.1HA W175TCZ0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

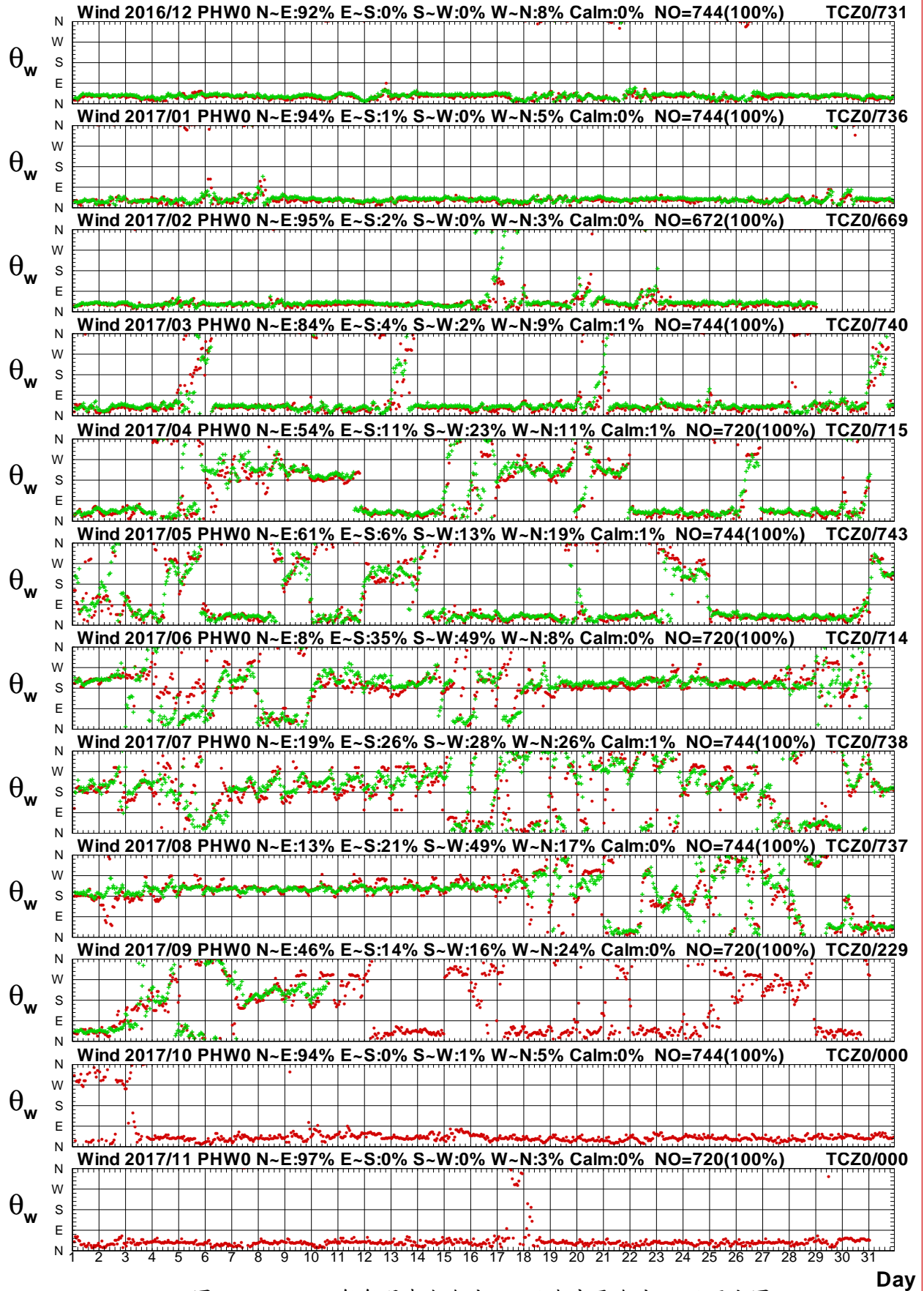


圖1.39b 2017年每月澎湖海域 W 站與中雲海域 Z 站風向圖

W16CPHW0.1HA W16CTCZ0.1H0 W171PHW0.1HA W171TCZ0.1H0 W172PHW0.1HA W172TCZ0.1H0
 W173PHW0.1HA W173TCZ0.1H0 W174PHW0.1HA W174TCZ0.1H0 W175PHW0.1HA W175TCZ0.1H0

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Wind Speed in Peng-Hu Seas of PHW0 at 2017

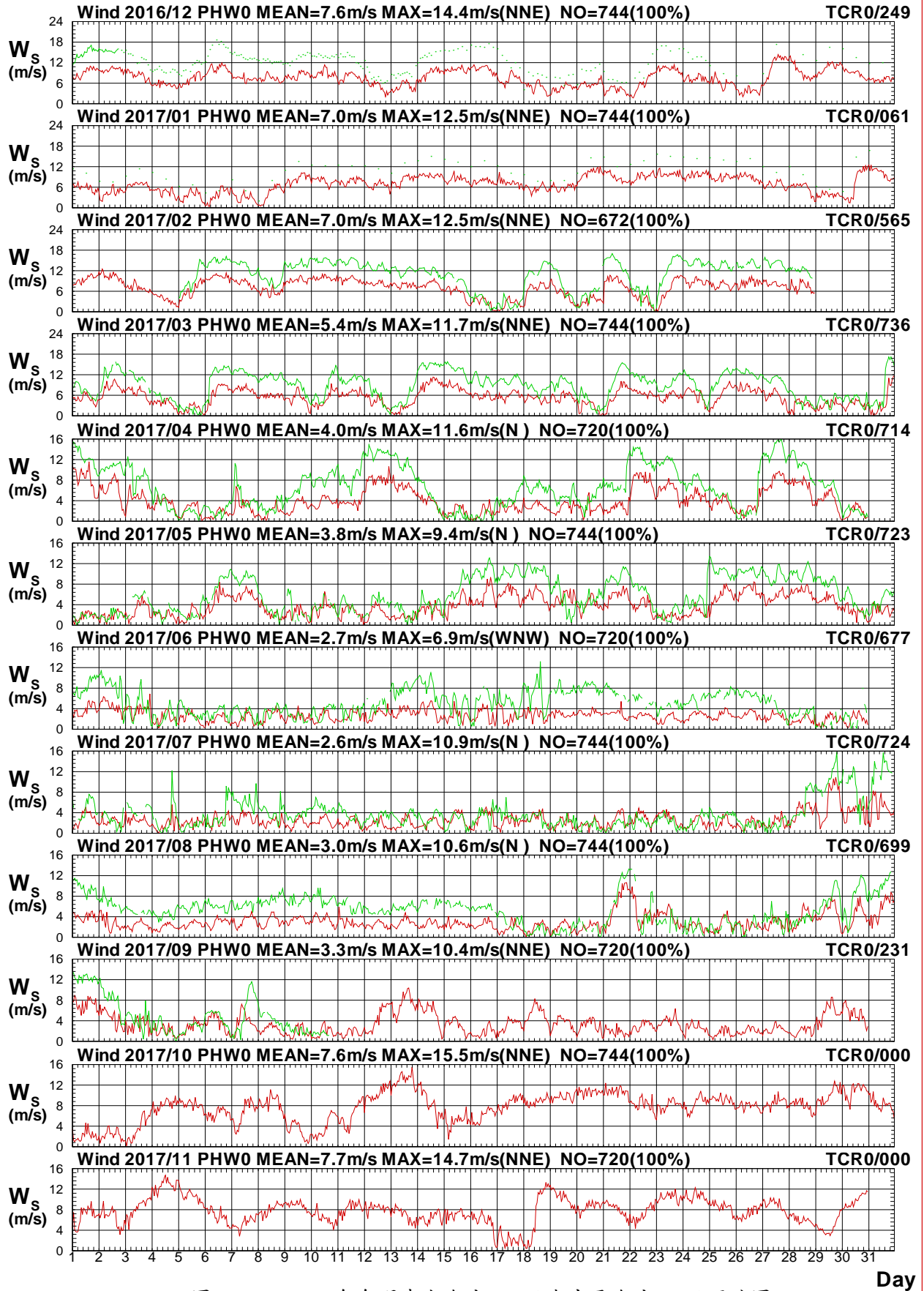


圖1.40a 2017年每月澎湖海域 W 站與中雲海域 R 站風速圖

W16CPHW0.1HA W16CTCR0.1HO W171PHW0.1HA W171TCR0.1HO W172PHW0.1HA W172TCR0.1HO
 W173PHW0.1HA W173TCR0.1HO W174PHW0.1HA W174TCR0.1HO W175PHW0.1HA W175TCR0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

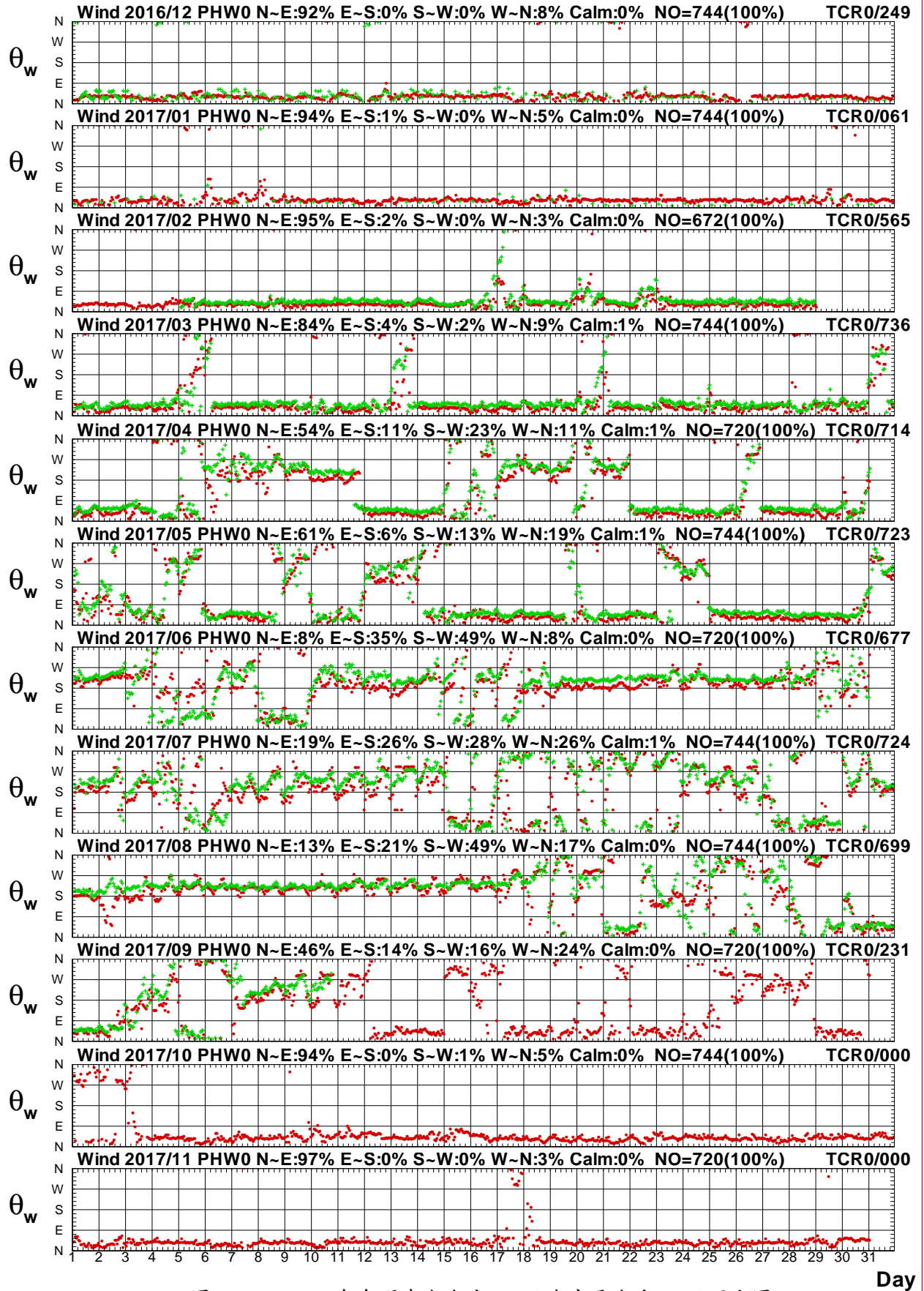


圖1.40b 2017年每月澎湖海域 W 站與中雲海域 R 站風向圖

Wind Speed in Peng-Hu Seas of PHW0 at 2017

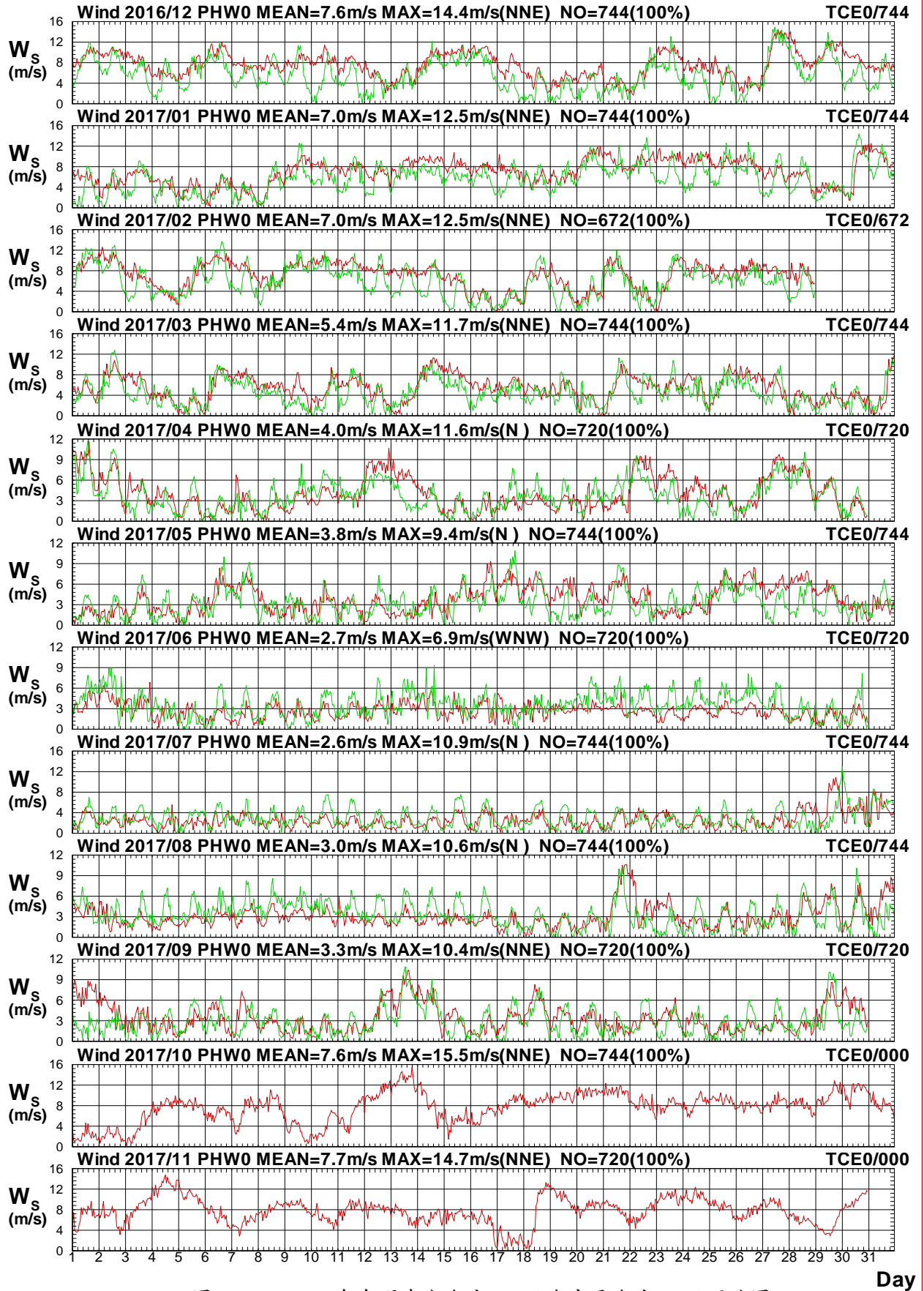


圖1.41a 2017年每月澎湖海域 W 站與中雲海域 E 站風速圖

W16CPHW0.1HA W16CTCE0.1HO W171PHW0.1HA W171TCE0.1HO W172PHW0.1HA W172TCE0.1HO
 W173PHW0.1HA W173TCE0.1HO W174PHW0.1HA W174TCE0.1HO W175PHW0.1HA W175TCE0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

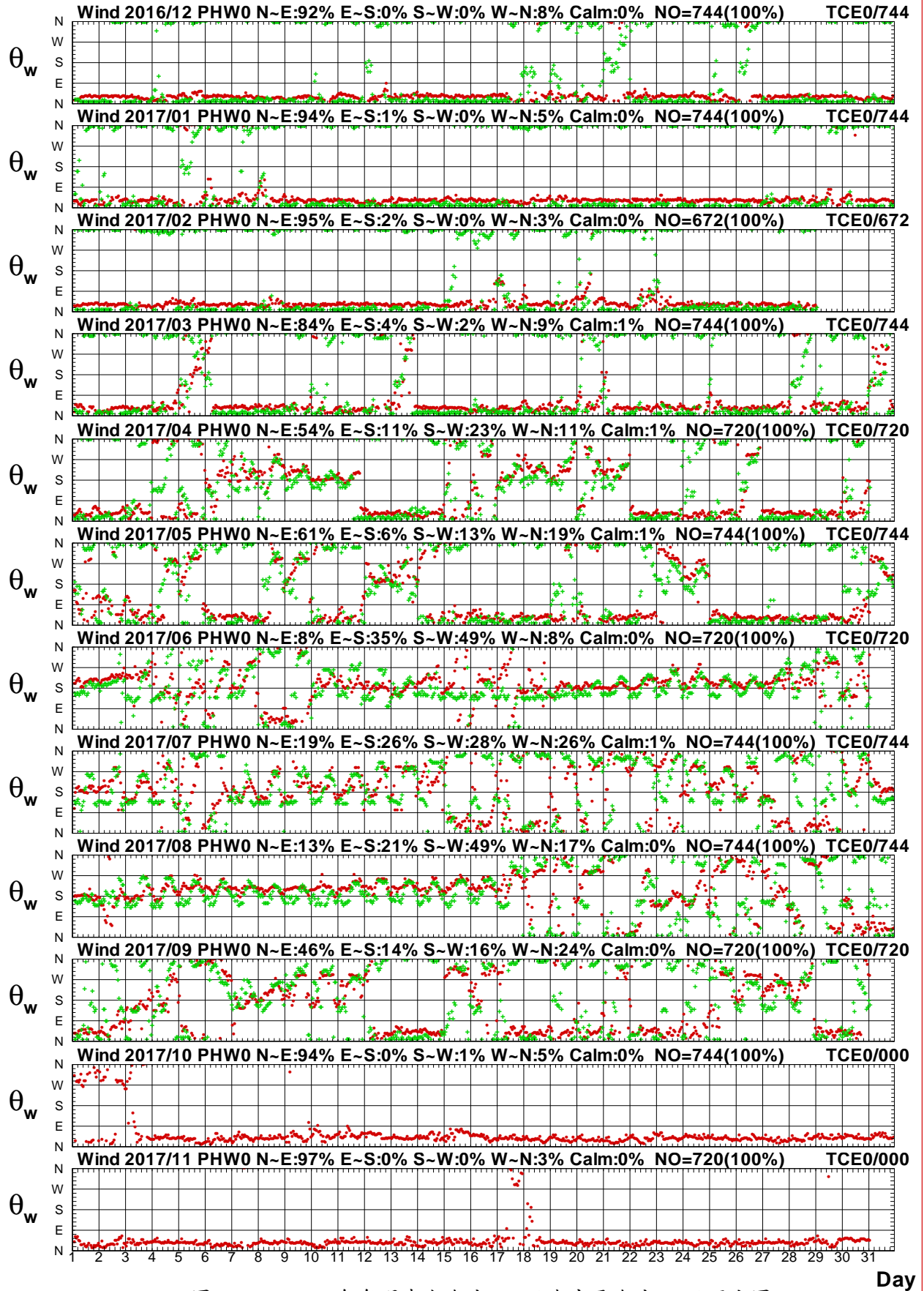


圖1.41b 2017年每月澎湖海域 W 站與中雲海域 E 站風向圖

W16CPHW0.1HA W16CTCE0.1HO W171PHW0.1HA W171TCE0.1HO W172PHW0.1HA W172TCE0.1HO
 W173PHW0.1HA W173TCE0.1HO W174PHW0.1HA W174TCE0.1HO W175PHW0.1HA W175TCE0.1HO

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Wind Speed in Peng-Hu Seas of PHW0 at 2017

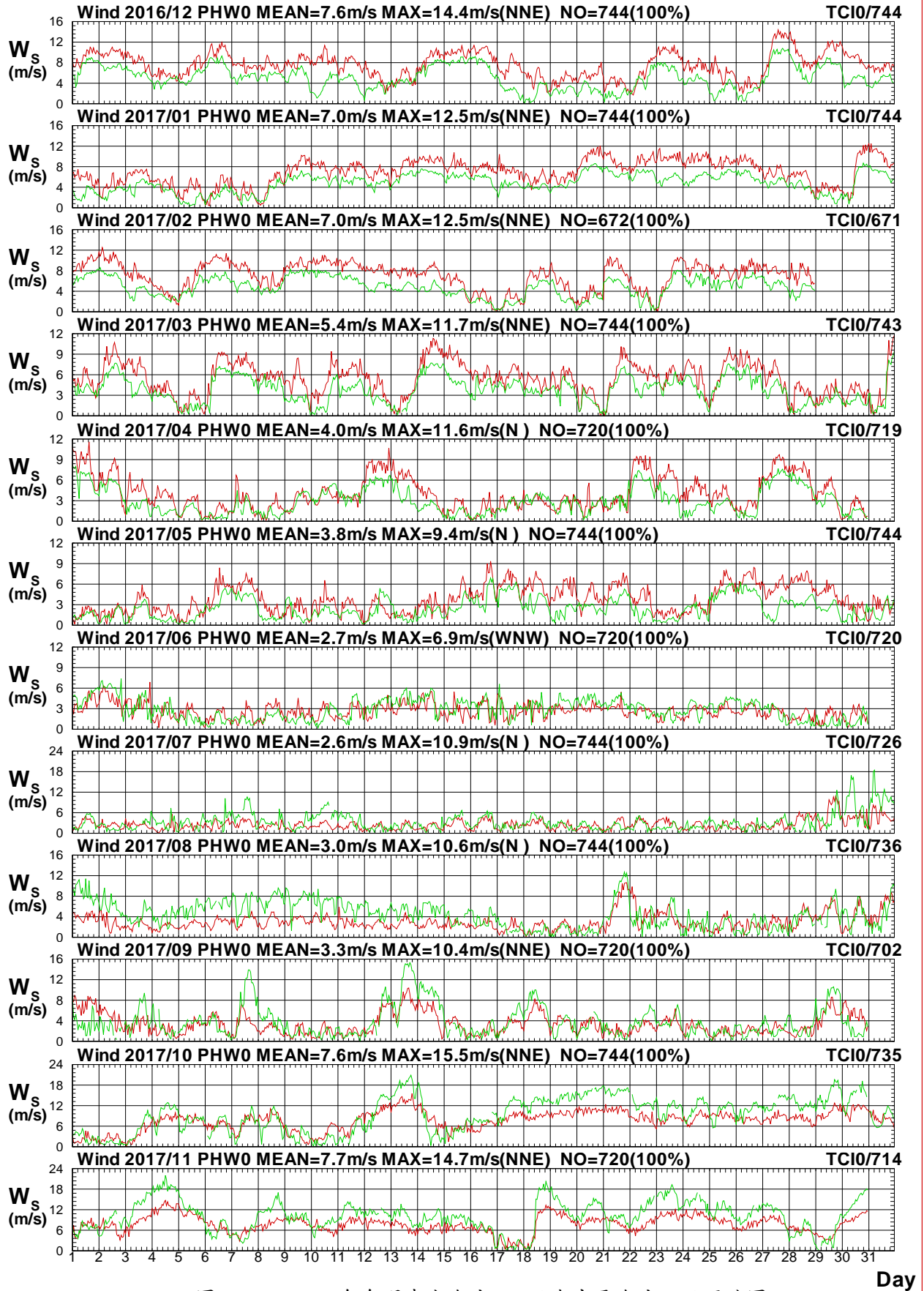


圖1.42a 2017年每月澎湖海域 W 站與中雲海域 I 站風速圖

W16CPHW0.1HA W16CTCI0.1H0 W171PHW0.1HA W171TCI0.1H0 W172PHW0.1HA W172TCI0.1H0
 W173PHW0.1HA W173TCI0.1H0 W174PHW0.1HA W174TCI0.1H0 W175PHW0.1HA W175TCI0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2017

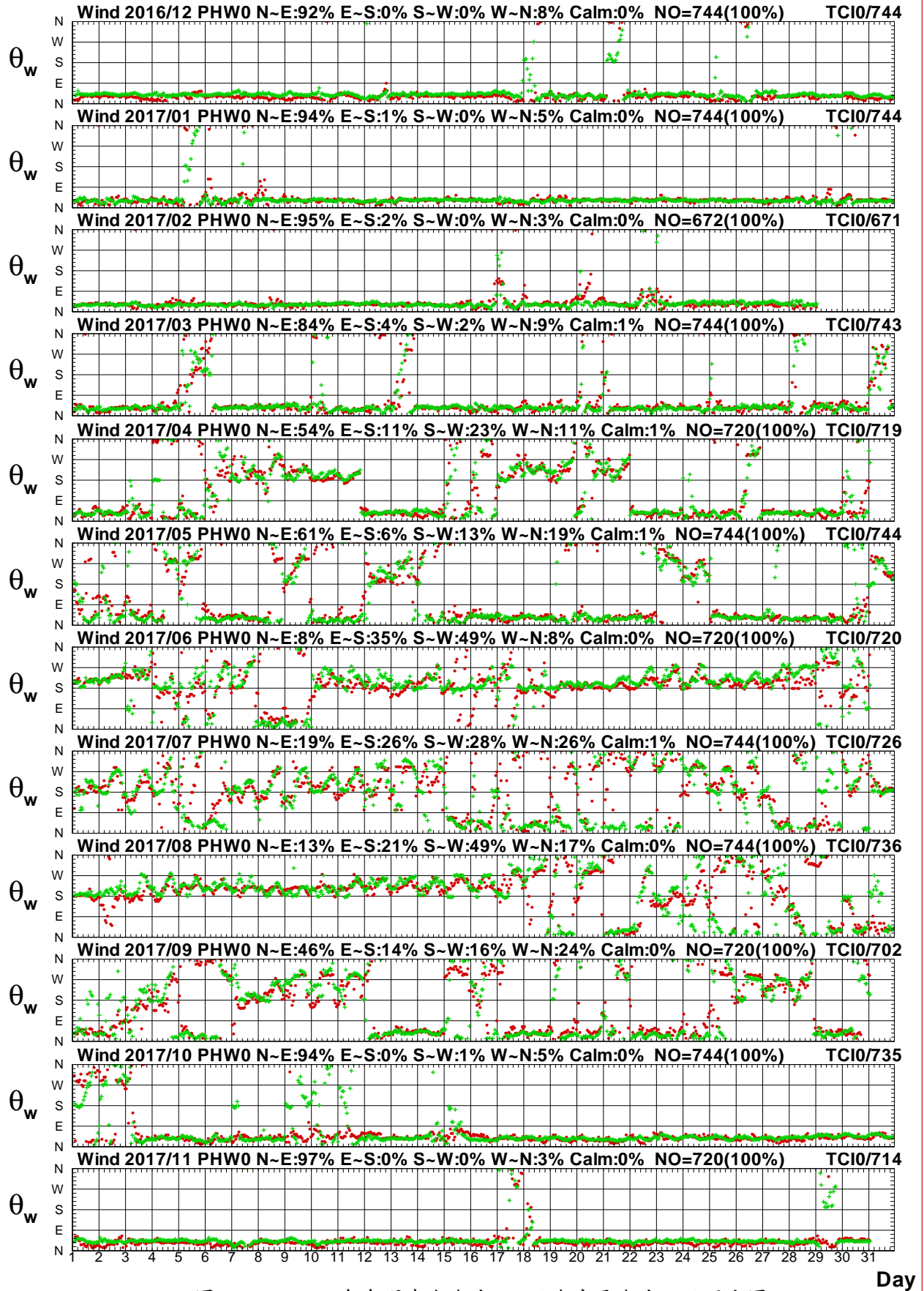


圖1.42b 2017年每月澎湖海域 W 站與中雲海域 I 站風向圖

第二章 2017 年澎湖海域觀測波浪資料

澎湖海域波浪觀測包括測站 X、測站 Y、測站 Z、測站 R 及測站 A 等 5 個測站(測站位置如第 0 章圖 VN1)。本年報取經檢核及補遺之 Y 站及 X 站資料作為主要測站。

本波浪年報資料處理之圖表包括：

1. 2017 年各觀測站每月觀測波浪資料修補前記錄表。
2. 2017 年主要測站每月觀測波浪資料修補後記錄表。
3. 2017 年主要測站修補前後每月(季)及整年示性波高週期及波向重要統計量統計表。
4. 2017 年主要測站修補前後每月波浪歷線比較圖。
5. 2017 年主要測站之觀測波浪與次要觀測站(或其他觀測站)每月波浪歷線比較圖。

表 2.1a 2017年每月澎湖海域修補前各測站觀測波浪資料紀錄統計表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	Y	X	Z	R				
2016/12月	701(94.2%)	*	*	728(97.8%)	*	*	*	*
2017/ 1月	680(91.4%)	*	*	734(98.7%)	*	*	*	*
2017/ 2月	71(10.6%)	*	*	666(99.1%)	*	*	*	*
2017/ 3月	255(34.3%)	*	*	741(99.6%)	*	*	*	*
2017/ 4月	671(93.2%)	634(88.1%)	*	715(99.3%)	*	*	*	*
2017/ 5月	680(91.4%)	743(99.9%)	*	738(99.2%)	*	*	*	*
2017/ 6月	693(96.3%)	720(100%)	*	719(99.9%)	*	*	*	*
2017/ 7月	678(91.1%)	744(100%)	*	743(99.9%)	*	*	*	*
2017/ 8月	692(93.0%)	731(98.3%)	*	743(99.9%)	*	*	*	*
2017/ 9月	648(90.0%)	718(99.7%)	*	717(99.6%)	*	*	*	*
2017/10月	705(94.8%)	395(53.1%)	*	738(99.2%)	*	*	*	*
2017/11月	678(94.2%)	*	*	718(99.7%)	*	*	*	*
2017/冬季	1452(67.2%)	*	*	2128(98.5%)	*	*	*	*
2017/春季	1606(72.7%)	1377(62.4%)	*	2194(99.4%)	*	*	*	*
2017/夏季	2063(93.4%)	2195(99.4%)	*	2205(99.9%)	*	*	*	*
2017/秋季	2031(93.0%)	1113(51.0%)	*	2173(99.5%)	*	*	*	*
2017/整年	7152(81.6%)	4685(53.5%)	*	8700(99.3%)	*	*	*	*
起始年月	2016/12	2017/04	*	2016/12	*	*	*	*
結束年月	2017/11	2017/10	*	2017/11	*	*	*	*

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表 2.1b 2017年每月澎湖海域修補後各測站波浪資料統計表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	Y							
2016/12月	744(100%)	*	*	*	*	*	*	*
2017/ 1月	744(100%)	*	*	*	*	*	*	*
2017/ 2月	672(100%)	*	*	*	*	*	*	*
2017/ 3月	744(100%)	*	*	*	*	*	*	*
2017/ 4月	720(100%)	*	*	*	*	*	*	*
2017/ 5月	744(100%)	*	*	*	*	*	*	*
2017/ 6月	720(100%)	*	*	*	*	*	*	*
2017/ 7月	744(100%)	*	*	*	*	*	*	*
2017/ 8月	744(100%)	*	*	*	*	*	*	*
2017/ 9月	720(100%)	*	*	*	*	*	*	*
2017/10月	744(100%)	*	*	*	*	*	*	*
2017/11月	720(100%)	*	*	*	*	*	*	*
2017/冬季	2160(100%)	*	*	*	*	*	*	*
2017/春季	2208(100%)	*	*	*	*	*	*	*
2017/夏季	2208(100%)	*	*	*	*	*	*	*
2017/秋季	2184(100%)	*	*	*	*	*	*	*
2017/整年	8760(100%)	*	*	*	*	*	*	*
起始年月	2016/12	*	*	*	*	*	*	*
結束年月	2017/11	*	*	*	*	*	*	*

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表2.2a 2017年澎湖海域主要測站1修補前示性波高週期及波向重要統計量統計表

觀測 日期 年、月	波高 蒐集 率	H_s 平均 (m)	H_s 最大 (波高/週期/波向) (m/s/來向)	T_p 平均 (s)	T_p 最大 (s)	小波 <0.5m (%)	小浪 ~1.5m (%)	中浪 ~3m (%)	大浪 >3m (%)	T_p <6s (%)	T_p 6~8s (%)	T_p 8~10s (%)	T_p >10s (%)	波向 蒐集 率	波向 N~E (%)	波向 E~S (%)	波向 S~W (%)	波向 W~N (%)	主波向 (百分比) 來向/%
2016/12	94%	1.78	3.7/ 6.4/N	5.1	6.7	.4	34.5	61.5	3.6	93.4	6.6	.0	.0	94%	75.6	.0	.0	24.4	N /70%
2017/01	91%	1.53	5.8/ 9.2/NNW	4.9	9.2	6.9	38.7	53.5	.9	97.1	2.5	.4	.0	91%	80.1	.0	.1	19.7	N /69%
2017/02	11%	1.25	2.4/ 5.8/NNW	4.8	5.8	5.6	69.0	25.4	.0	100.0	.0	.0	.0	11%	35.2	.0	2.8	62.0	NNW/61%
2017/03	34%	.98	2.8/ 6.0/N	4.6	6.0	27.5	53.7	18.8	.0	99.6	.4	.0	.0	34%	70.6	.0	2.7	26.7	N /60%
2017/04	93%	.78	3.2/ 6.4/N	4.4	6.4	48.6	34.7	16.5	.1	99.1	.9	.0	.0	93%	46.2	.1	24.7	28.9	N /37%
2017/05	91%	.67	1.9/ 4.8/N	4.4	5.6	49.1	47.5	3.4	.0	100.0	.0	.0	.0	91%	62.4	.6	11.6	25.4	N /47%
2017/06	96%	.56	1.4/ 4.8/SW	4.7	6.8	46.6	53.4	.0	.0	98.0	2.0	.0	.0	96%	6.3	.0	70.6	23.1	WSW/59%
2017/07	91%	.50	2.4/ 5.7/SW	4.7	6.0	73.9	21.7	4.4	.0	99.9	.1	.0	.0	91%	5.6	.1	72.9	21.4	WSW/59%
2017/08	93%	.64	2.0/ 5.3/N	4.7	7.0	32.9	64.5	2.6	.0	96.1	3.9	.0	.0	93%	12.9	.3	54.3	32.5	WSW/47%
2017/09	90%	.74	2.3/ 5.8/N	4.9	9.2	48.8	41.8	9.4	.0	87.2	11.0	1.9	.0	90%	39.5	.6	25.8	34.1	N /33%
2017/10	95%	1.90	5.2/ 7.8/NNW	5.3	7.9	6.2	20.3	66.7	6.8	87.1	12.9	.0	.0	95%	66.2	.0	.9	32.9	N /60%
2017/11	94%	1.77	5.3/ 7.8/NNW	5.1	7.8	3.5	35.3	55.0	6.2	90.3	9.7	.0	.0	94%	74.9	.0	.0	25.1	N /66%
2017/冬	67%	1.64	5.8/ 9.2/NNW	5.0	9.2	3.7	38.2	56.0	2.1	95.5	4.3	.2	.0	67%	75.8	.0	.2	24.0	N /68%
2017/春	73%	.76	3.2/ 6.4/N	4.4	6.4	45.5	43.2	11.3	.1	99.6	.4	.0	.0	73%	56.9	.3	15.7	27.1	N /45%
2017/夏	93%	.57	2.4/ 5.7/SW	4.7	7.0	51.0	46.7	2.3	.0	98.0	2.0	.0	.0	93%	8.3	.1	65.9	25.7	WSW/55%
2017/秋	93%	1.49	5.3/ 7.8/NNW	5.1	9.2	18.9	32.2	44.5	4.4	88.2	11.2	.6	.0	93%	60.6	.2	8.5	30.7	N /53%
2017/年	82%	1.09	5.8/ 9.2/NNW	4.8	9.2	31.0	40.0	27.2	1.7	95.0	4.8	.2	.0	82%	47.8	.2	25.0	27.1	N /41%

2-4

表 2.2b 2017年澎湖海域主要測站1修補後示性波高週期及波向重要統計量統計表

觀測 日期 年、月	波高 H_s		H_s 最大		T_p	T_p	小波	小浪	中浪	大浪	T_p	T_p	T_p	T_p	波向	波向	波向	波向	波向	主波向
	蒐集 率	平均 (m)	(波高/週期/波向) (m/s/來向)		平均 (s)	最大 (s)	<0.5m (%)	~1.5m (%)	~3m (%)	>3m (%)	<6s (%)	6~8s (%)	8~10s (%)	>10s (%)	蒐集 率	N~E (%)	E~S (%)	S~W (%)	W~N (%)	(百分比) 來向/%
2016/12	100%	1.79	4.0/	5.8/NE	5.1	6.7	.4	34.8	60.9	3.9	92.3	7.7	.0	.0	100%	76.7	.0	.3	23.0	N /66%
2017/01	100%	1.52	5.8/	9.2/NNW	4.9	9.2	6.5	40.2	52.6	.8	97.3	2.3	.4	.0	100%	76.2	.0	.1	23.7	N /69%
2017/02	100%	1.62	3.9/	6.6/ENE	5.4	7.3	2.1	44.0	50.3	3.6	90.2	9.8	.0	.0	100%	83.8	8.9	.4	6.8	ENE/52%
2017/03	100%	1.06	3.8/	5.8/NNE	4.7	6.0	13.4	69.4	17.1	.1	99.9	.1	.0	.0	100%	60.9	.4	3.9	34.8	N /56%
2017/04	100%	.77	3.2/	6.4/N	4.4	6.4	49.2	34.9	15.8	.1	99.0	1.0	.0	.0	100%	46.0	3.3	23.8	26.9	N /35%
2017/05	100%	.66	1.9/	4.8/N	4.4	5.9	50.5	46.1	3.4	.0	100.0	.0	.0	.0	100%	63.4	2.6	10.6	23.4	N /43%
2017/06	100%	.55	1.4/	4.8/SW	4.7	6.8	47.4	52.6	.0	.0	98.1	1.9	.0	.0	100%	6.1	.0	70.7	23.2	WSW/59%
2017/07	100%	.50	2.4/	5.7/SW	4.7	6.0	71.6	24.3	4.0	.0	99.9	.1	.0	.0	100%	5.1	.1	72.8	21.9	WSW/58%
2017/08	100%	.64	2.0/	5.3/N	4.6	7.0	33.6	64.0	2.4	.0	96.2	3.8	.0	.0	100%	15.1	.9	51.1	32.9	WSW/44%
2017/09	100%	.72	2.3/	5.8/N	4.9	9.2	51.4	39.7	8.9	.0	88.5	9.9	1.7	.0	100%	40.8	.8	24.0	34.3	N /31%
2017/10	100%	1.89	5.2/	7.8/NNW	5.4	7.9	6.9	19.9	66.3	7.0	85.8	14.2	.0	.0	100%	67.3	.0	1.5	31.2	N /57%
2017/11	100%	1.79	5.3/	7.8/NNW	5.1	7.8	3.8	33.9	55.7	6.7	89.9	10.1	.0	.0	100%	76.1	.3	.0	23.6	N /62%
2017/冬	100%	2.07	73.8/	5.9/NNW	5.1	9.2	3.0	38.2	51.8	7.1	93.6	6.3	.1	.0	100%	73.5	2.7	5.6	18.2	N /47%
2017/春	100%	.90	12.1/	3.8/SSE	4.5	6.4	36.7	49.6	12.2	1.5	99.6	.4	.0	.0	100%	56.3	2.1	12.6	29.0	N /45%
2017/夏	100%	.56	2.4/	5.7/SW	4.7	7.0	50.6	47.2	2.2	.0	98.1	1.9	.0	.0	100%	8.8	.4	64.8	26.0	WSW/53%
2017/秋	100%	1.49	5.4/	6.2/NE	5.1	9.2	18.5	33.1	43.3	5.2	87.9	11.5	.5	.0	100%	61.5	.4	8.4	29.7	N /50%
2017/年	100%	1.25	73.8/	5.9/NNW	4.9	9.2	27.3	42.1	27.2	3.4	94.8	5.0	.2	.0	100%	49.9	1.4	23.0	25.8	N /37%

表 2.3a 2017年澎湖海域主要測站2修補前示性波高週期及波向重要統計量統計表

觀測日期	波高	H_s	H_s 最大	T_p	T_p	小波	小浪	中浪	大浪	T_p	T_p	T_p	T_p	波向	波向	波向	波向	波向	主波向
年、月	蒐集率	平均 (m)	(波高/週期/波向) (m/s/來向)	平均 (s)	最大 (s)	<0.5m (%)	~1.5m (%)	~3m (%)	>3m (%)	<6s (%)	6~8s (%)	8~10s (%)	>10s (%)	蒐集率 (%)	N~E (%)	E~S (%)	S~W (%)	W~N (%)	(百分比) 來向/%
2016/12	0																		
2017/01	0																		
2017/02	0																		
2017/03	0																		
2017/04	88%	.53	1.7/ 5.2/s	6.7	10.3	54.1	45.3	.6	.0	37.7	36.0	24.6	1.7	88%	.0	91.2	8.8	.0	s /39%
2017/05	100%	.37	1.4/ 5.9/SSE	6.2	9.9	83.3	16.7	.0	.0	43.3	47.1	9.6	.0	100%	.0	89.6	10.4	.0	SSE/30%
2017/06	100%	.58	1.7/ 9.3/s	6.5	10.9	39.6	59.9	.6	.0	28.9	61.4	9.0	.7	100%	.0	52.1	47.8	.1	s /79%
2017/07	100%	.76	4.7/ 9.9/s	6.7	12.3	33.2	59.5	6.2	1.1	40.9	38.3	14.9	5.9	100%	.0	63.7	36.3	.0	s /78%
2017/08	98%	.63	3.8/ 9.6/SSE	7.1	11.5	47.2	47.3	5.2	.3	22.2	45.1	31.3	1.4	99%	.0	53.1	46.9	.0	s /68%
2017/09	100%	.53	1.6/ 6.1/s	7.0	12.4	57.5	41.9	.6	.0	30.4	44.0	18.7	7.0	100%	.0	82.2	17.8	.0	s /39%
2017/10	53%	.74	2.5/10.3/SSE	8.1	22.0	37.5	55.2	7.3	.0	18.5	25.1	40.0	16.5	53%	.3	97.5	2.0	.3	SE /31%
2017/11	0																		
2017/冬	0																		
2017/春	62%	.44	1.7/ 5.2/s	6.4	10.3	69.9	29.8	.3	.0	40.7	42.0	16.5	.8	62%	.0	90.3	9.7	.0	s /33%
2017/夏	99%	.66	4.7/ 9.9/s	6.8	12.3	40.0	55.6	4.0	.5	30.7	48.2	18.5	2.7	100%	.0	56.4	43.6	.0	s /75%
2017/秋	51%	.60	2.5/10.3/SSE	7.4	22.0	50.6	46.5	3.0	.0	26.1	37.3	26.2	10.3	51%	.1	87.6	12.2	.1	s /29%
2017/年	54%	.58	4.7/ 9.9/s	6.8	22.0	51.3	45.8	2.7	.2	32.6	43.8	19.7	3.9	54%	.0	73.8	26.2	.0	s /52%

2-6

表 2.3b 2017年澎湖海域主要測站2修補後示性波高週期及波向重要統計量統計表

觀測 日期 年、月	波高 蒐集 率	H_s 平均 (m)	H_s 最大 (波高/週期/波向) (m/s/來向)	T_p 平均 (s)	T_p 最大 (s)	小波 <0.5m (%)	小浪 ~1.5m (%)	中浪 ~3m (%)	大浪 >3m (%)	T_p <6s (%)	T_p 6~8s (%)	T_p 8~10s (%)	T_p >10s (%)	波向 蒐集 率	波向 N~E (%)	波向 E~S (%)	波向 S~W (%)	波向 W~N (%)	主波向 (百分比) 來向/%
2016/12	100%	.58	1.3/10.2/ESE	8.0	10.4	37.1	62.9	.0	.0	.7	42.1	56.5	.8	100%	3.5	89.8	1.3	5.4	SE /50%
2017/01	100%	.64	1.0/ 9.3/SE	8.6	9.6	16.3	83.7	.0	.0	.0	.0	100.0	.0	100%	1.7	96.4	1.9	.0	SE /76%
2017/02	100%	.63	1.0/ 9.1/ESE	8.2	9.7	18.9	81.1	.0	.0	.0	15.5	84.5	.0	100%	3.0	94.6	2.2	.1	SE /51%
2017/03	100%	.52	1.3/ 9.5/SE	7.8	9.5	51.9	48.1	.0	.0	.0	59.5	40.5	.0	100%	4.8	90.5	4.4	.3	SE /41%
2017/04	100%	.55	1.9/ 8.7/WNW	6.6	10.3	51.9	46.9	1.1	.0	37.8	38.8	21.9	1.5	100%	.0	80.6	15.7	3.8	S /35%
2017/05	100%	.37	1.4/ 5.9/SSE	6.2	9.9	83.3	16.7	.0	.0	43.4	47.0	9.5	.0	100%	.0	89.7	10.3	.0	SSE/30%
2017/06	100%	.58	1.7/ 9.3/S	6.5	10.9	39.6	59.9	.6	.0	28.9	61.4	9.0	.7	100%	.0	52.1	47.8	.1	S /79%
2017/07	100%	.76	4.7/ 9.9/S	6.7	12.3	33.2	59.5	6.2	1.1	40.9	38.3	14.9	5.9	100%	.0	63.7	36.3	.0	S /78%
2017/08	100%	.63	3.8/ 9.6/SSE	7.0	11.5	47.6	47.0	5.1	.3	22.2	45.6	30.9	1.3	100%	.0	52.8	47.2	.0	S /67%
2017/09	100%	.53	1.6/ 6.1/S	7.0	12.4	57.4	42.1	.6	.0	30.3	44.2	18.6	6.9	100%	.0	81.9	17.8	.3	S /39%
2017/10	100%	.88	2.5/10.3/SSE	7.6	22.0	19.9	74.1	6.0	.0	11.6	53.8	25.9	8.7	100%	.1	62.6	1.1	36.2	NNW/27%
2017/11	100%	.82	1.9/ 8.8/NNW	6.7	8.8	10.0	88.9	1.1	.0	11.1	84.3	4.6	.0	100%	.0	25.8	.3	73.9	NNW/53%
2017/冬	100%	.38	8.9/ 8.4/ESE	8.2	10.9	95.8	2.6	1.3	.2	.0	28.3	71.5	.2	100%	2.7	77.4	15.0	4.9	SE /46%
2017/春	100%	.37	1.7/ 5.2/S	6.7	10.3	77.4	22.4	.2	.0	25.5	59.7	14.3	.5	100%	.1	61.5	38.3	.1	S /22%
2017/夏	100%	.66	4.7/ 9.9/S	6.8	12.3	39.9	55.7	4.0	.5	30.8	48.2	18.3	2.7	100%	.0	56.4	43.4	.1	S /75%
2017/秋	100%	.67	2.5/10.3/SSE	7.8	22.0	27.8	70.4	1.8	.0	13.3	39.0	40.2	7.4	100%	.1	93.0	6.8	.1	SE /46%
2017/年	100%	.52	8.9/ 8.4/ESE	7.4	22.0	60.1	37.9	1.8	.2	17.5	43.9	35.9	2.7	100%	.7	72.0	26.0	1.3	S /31%

2-7

Wave H_s in Peng-Hu Seas of PHY0 at 2017

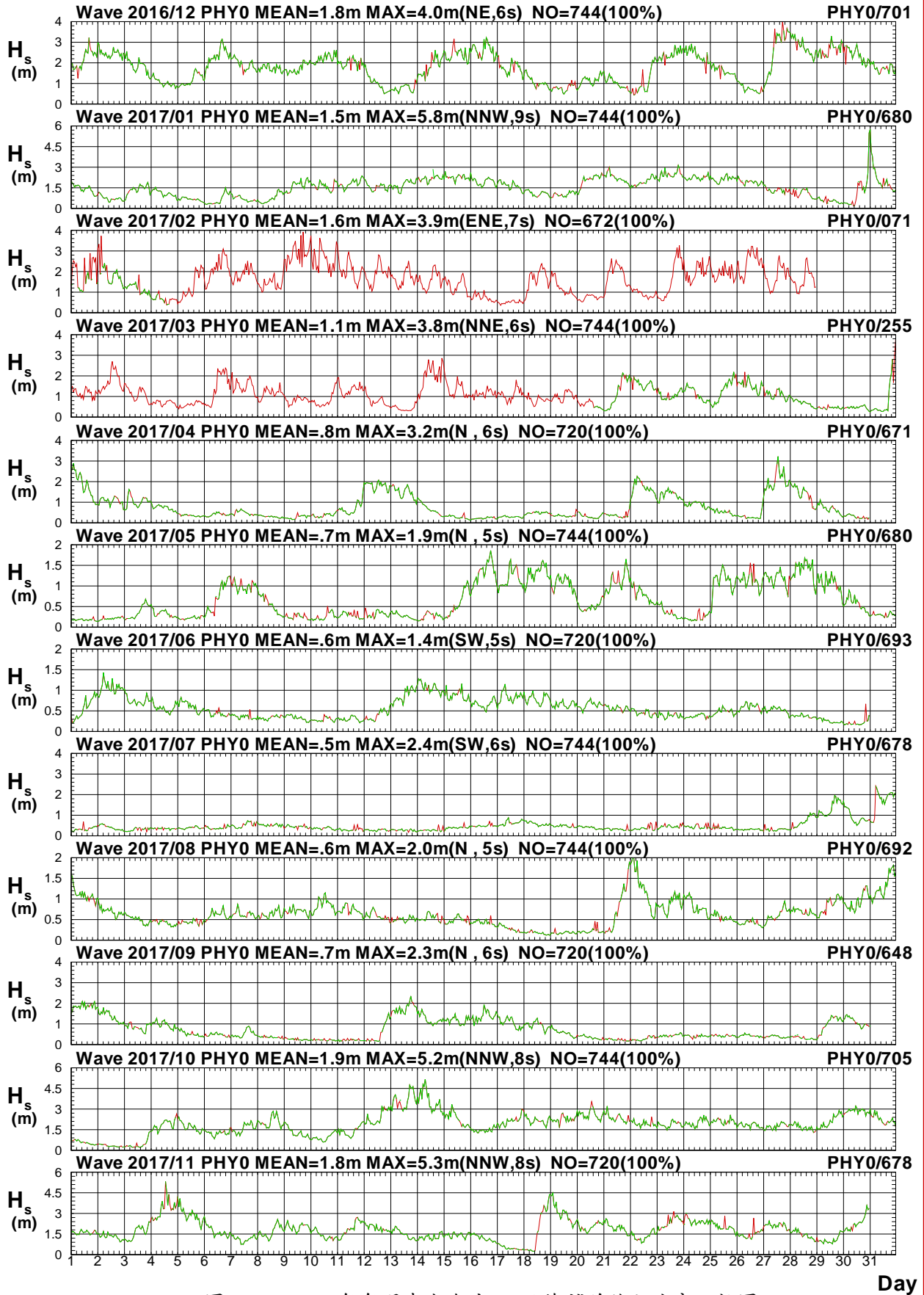


圖2.1a 2017年每月澎湖海域 Y 站修補前後之波高比較圖

V16CPHY0.1HA V16CPHY0.1HO V171PHY0.1HA V171PHY0.1HO V172PHY0.1HA V172PHY0.1HO
 V173PHY0.1HA V173PHY0.1HO V174PHY0.1HA V174PHY0.1HO V175PHY0.1HA V175PHY0.1HO

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

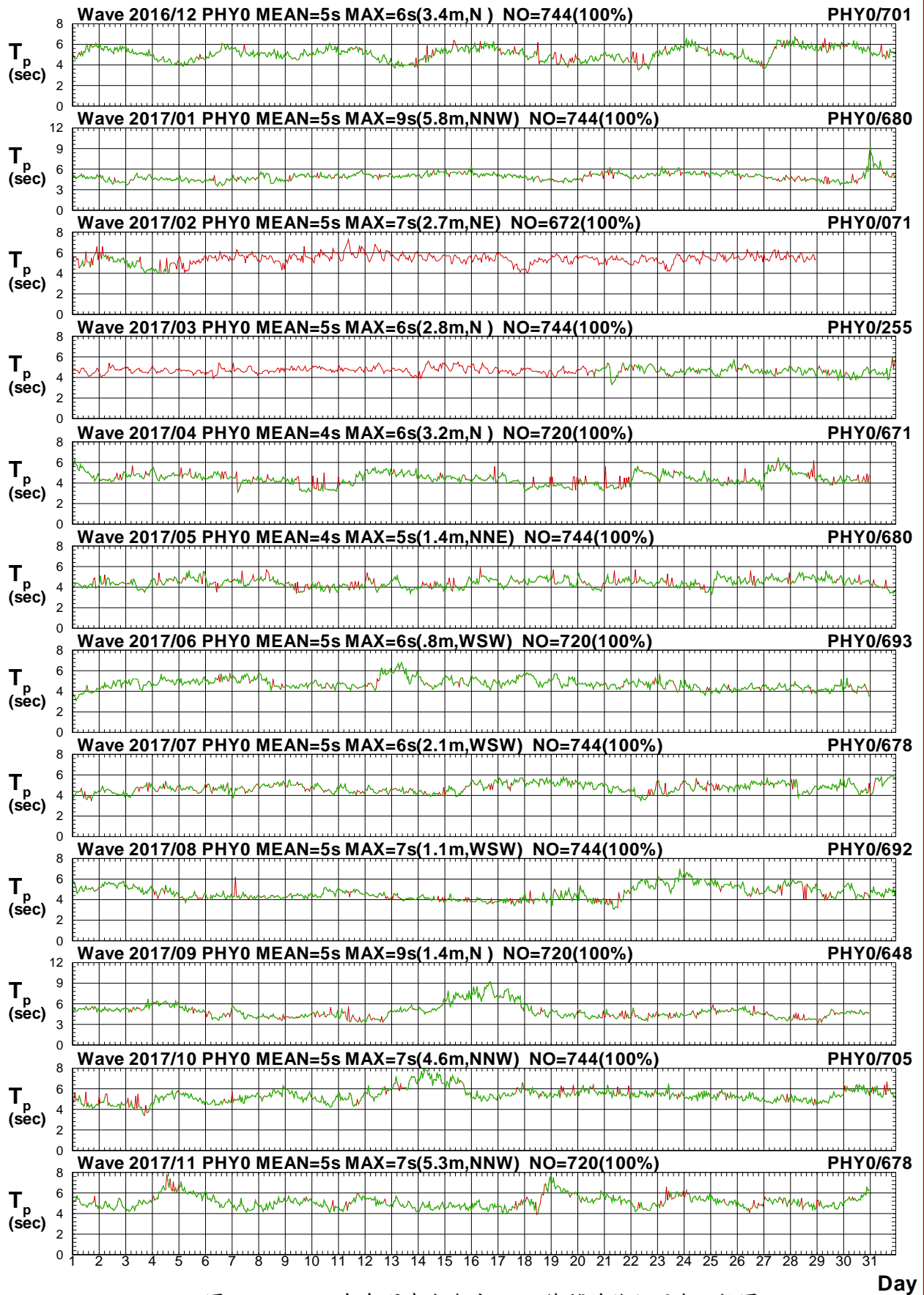


圖2.1b 2017年每月澎湖海域 Y 站修補前後之週期比較圖

V16CPHY0.1HA V16CPHY0.1H0 V171PHY0.1HA V171PHY0.1H0 V172PHY0.1HA V172PHY0.1H0
 V173PHY0.1HA V173PHY0.1H0 V174PHY0.1HA V174PHY0.1H0 V175PHY0.1HA V175PHY0.1H0

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

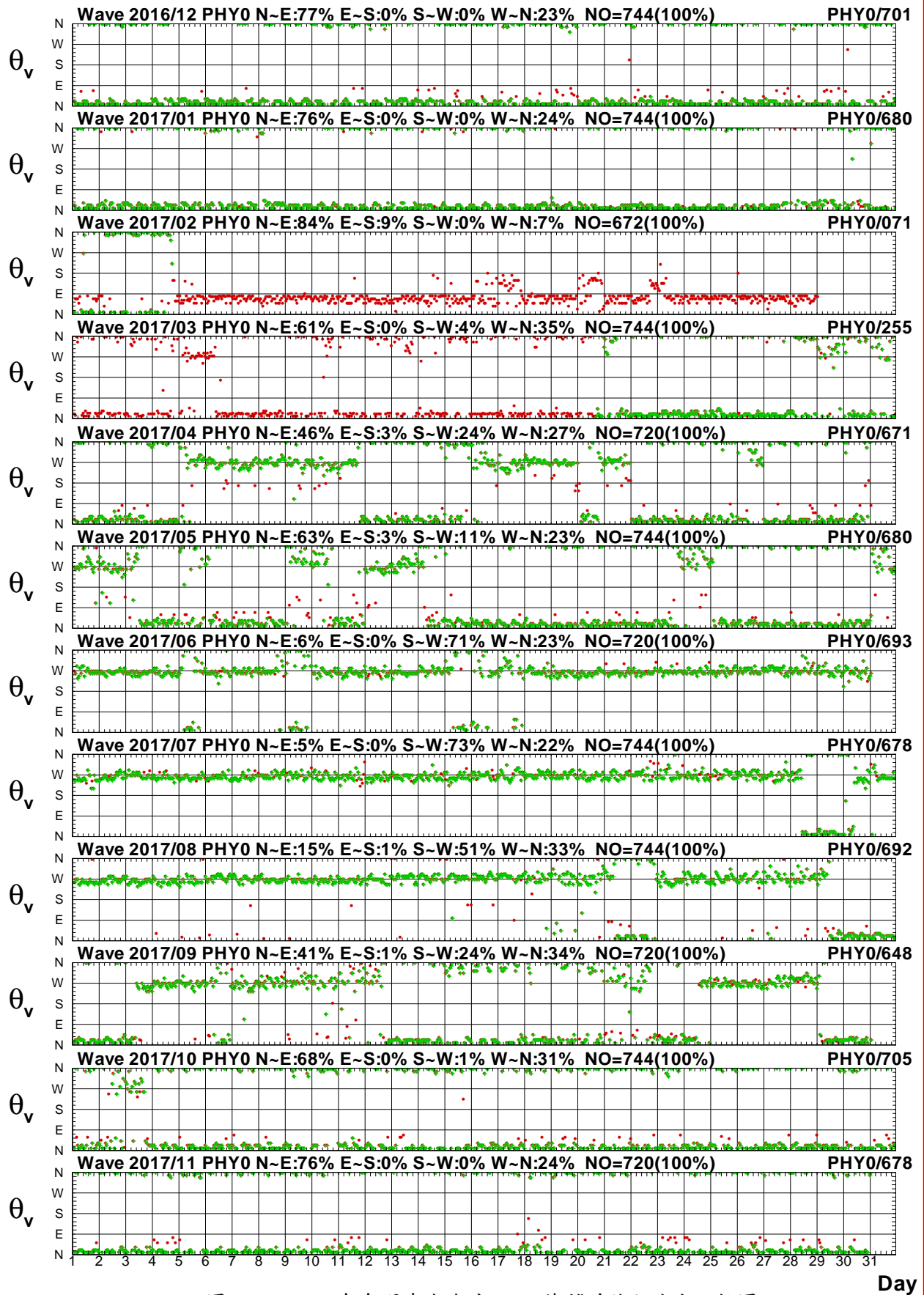


圖2.1c 2017年每月澎湖海域 Y 站修補前後之波向比較圖

V16CPHY0.1HA V16CPHY0.1HO V171PHY0.1HA V171PHY0.1HO V172PHY0.1HA V172PHY0.1HO
 V173PHY0.1HA V173PHY0.1HO V174PHY0.1HA V174PHY0.1HO V175PHY0.1HA V175PHY0.1HO

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

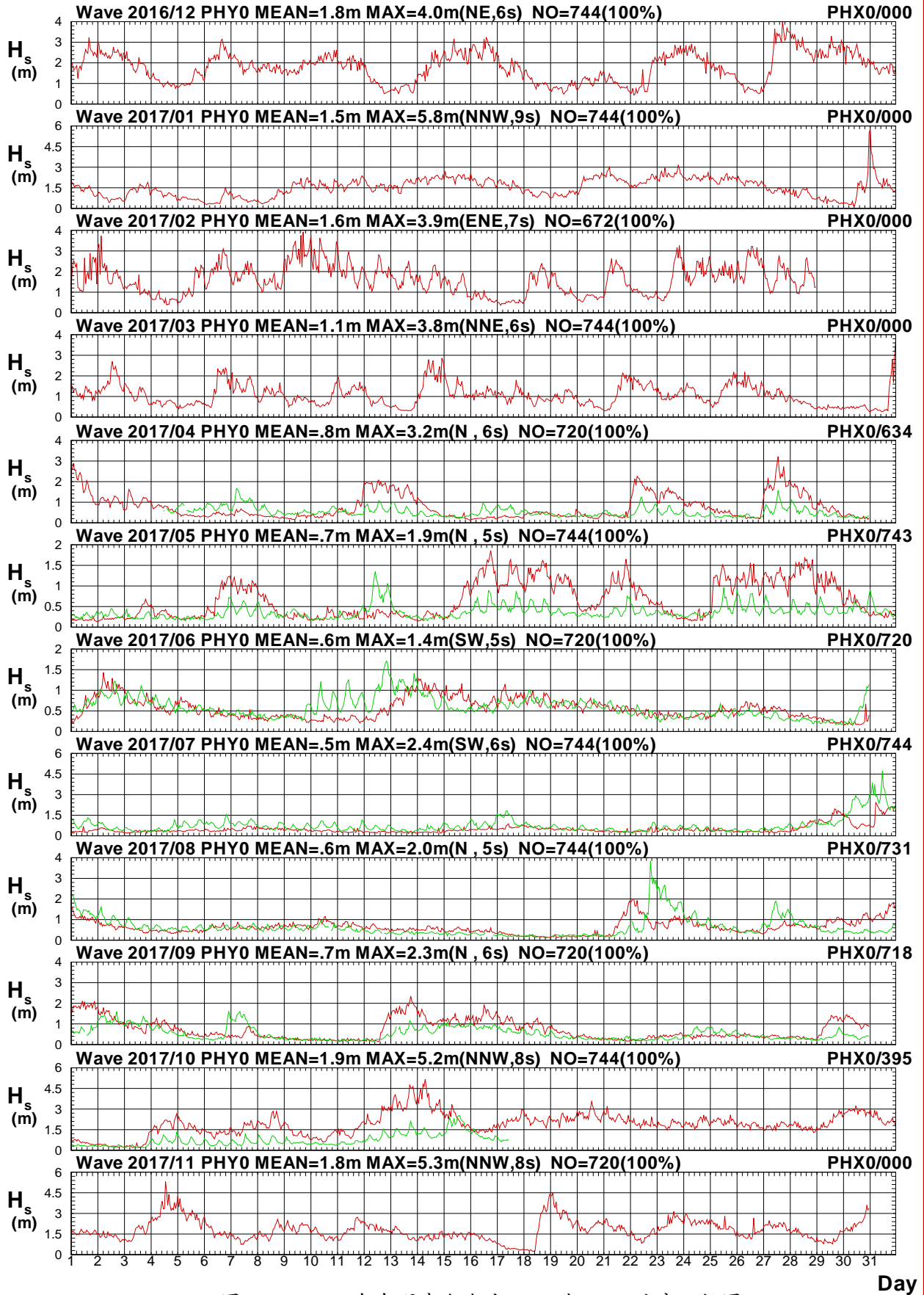


圖2.2a 2017年每月澎湖海域 Y 站與 X 站波高比較圖

V16CPHY0.1HA V16CPHX0.1H0 V171PHY0.1HA V171PHX0.1H0 V172PHY0.1HA V172PHX0.1H0
 V173PHY0.1HA V173PHX0.1H0 V174PHY0.1HA V174PHX0.1H0 V175PHY0.1HA V175PHX0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

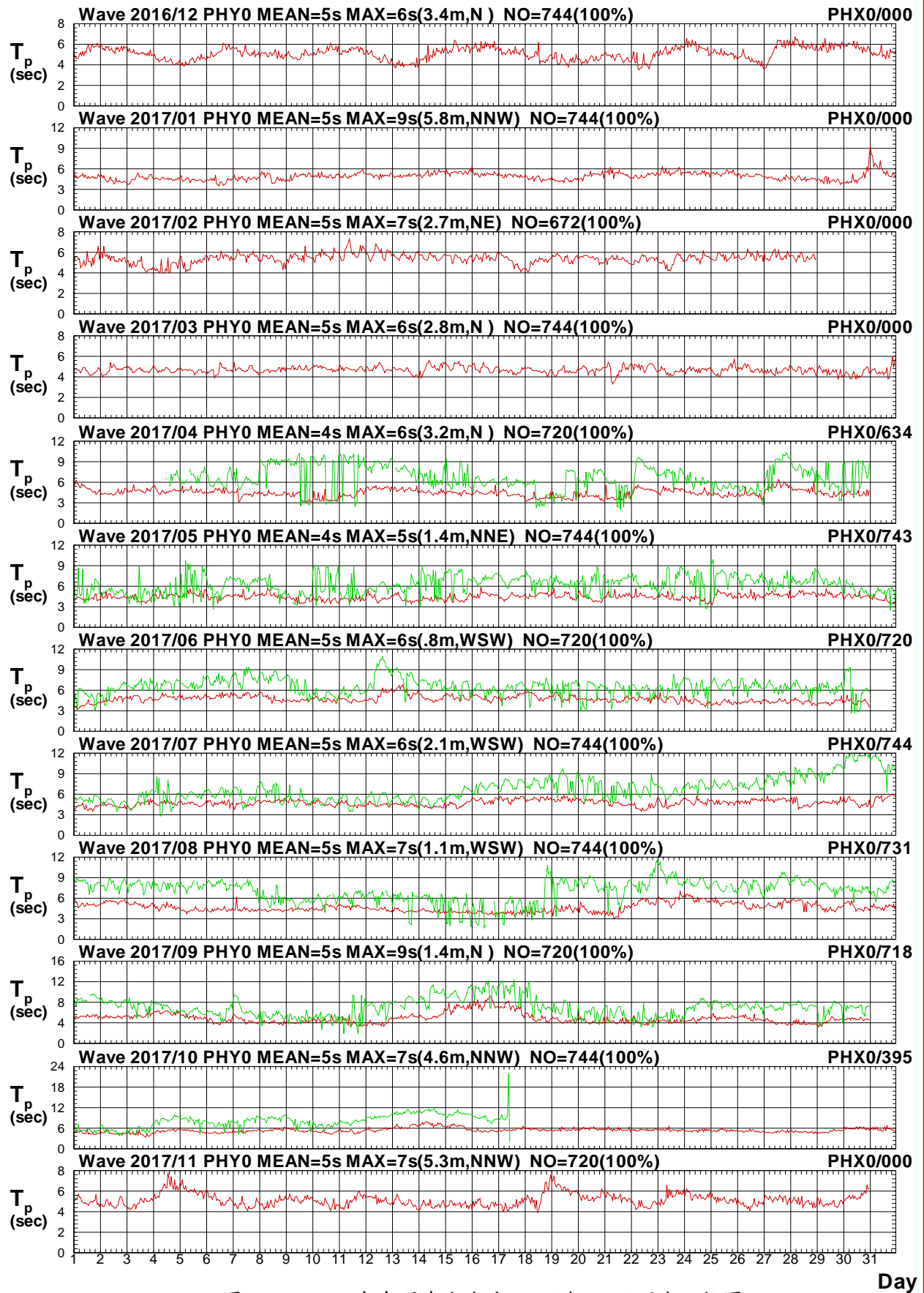


圖2.2b 2017年每月澎湖海域 Y 站與 X 站週期比較圖

V16CPHY0.1HA V16CPHX0.1H0 V171PHY0.1HA V171PHX0.1H0 V172PHY0.1HA V172PHX0.1H0
 V173PHY0.1HA V173PHX0.1H0 V174PHY0.1HA V174PHX0.1H0 V175PHY0.1HA V175PHX0.1H0

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

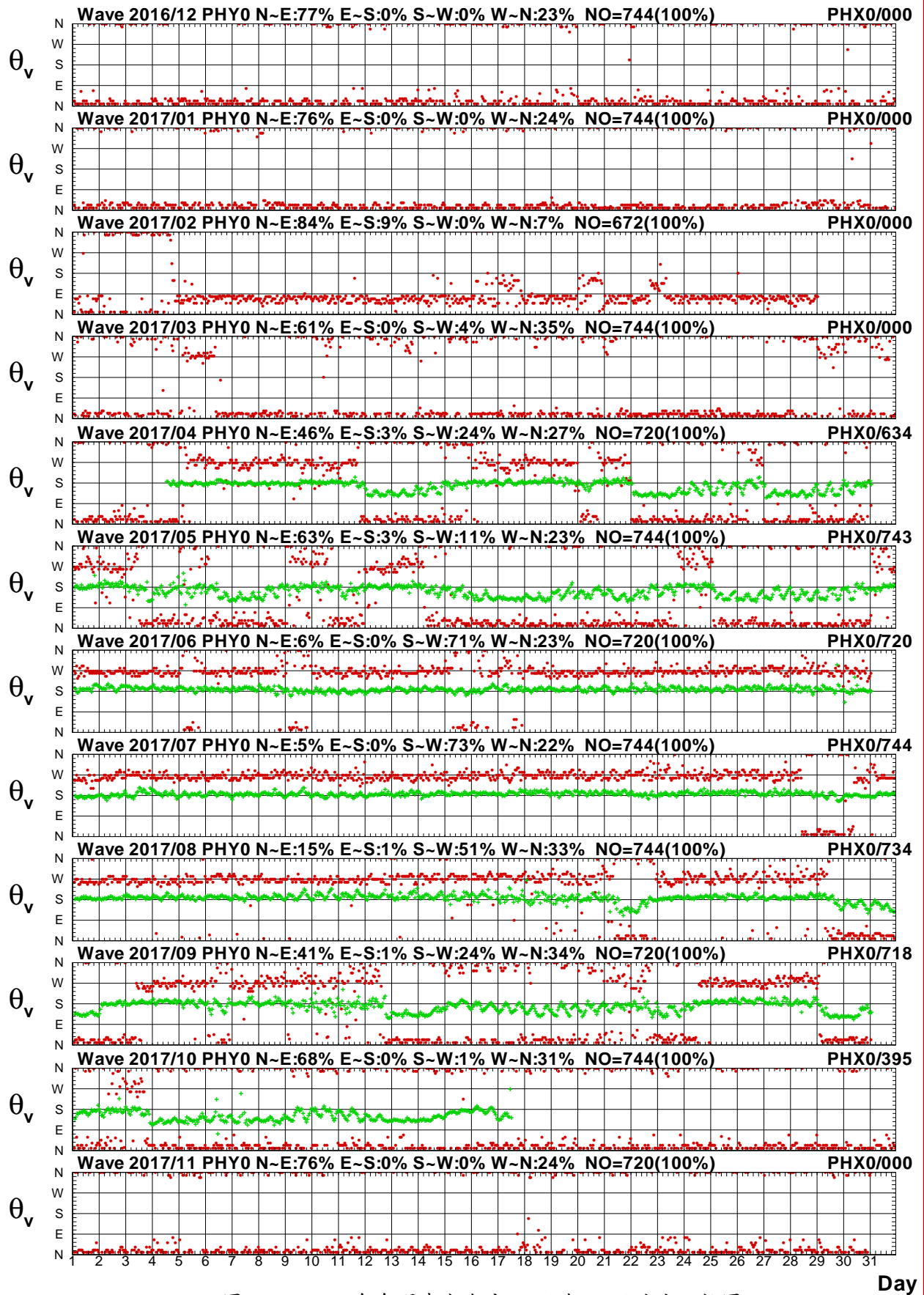


圖2.2c 2017年每月澎湖海域 Y 站與 X 站波向比較圖

V16CPHY0.1HA V16CPHX0.1H0 V171PHY0.1HA V171PHX0.1H0 V172PHY0.1HA V172PHX0.1H0
 V173PHY0.1HA V173PHX0.1H0 V174PHY0.1HA V174PHX0.1H0 V175PHY0.1HA V175PHX0.1H0

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

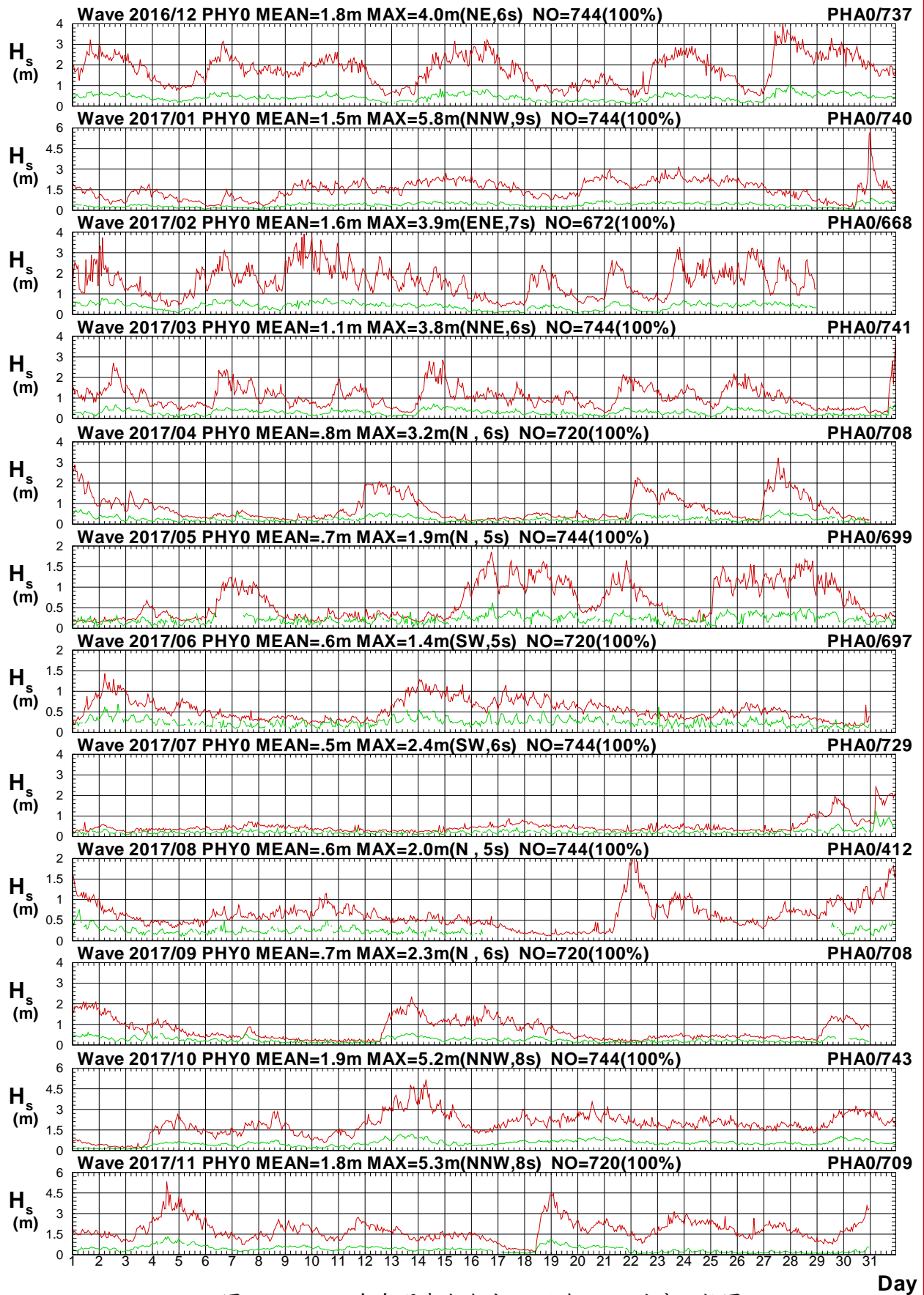


圖2.3a 2017年每月澎湖海域 Y 站與 A 站波高比較圖

V16CPHY0.1HA V16CPHA0.1H0 V171PHY0.1HA V171PHA0.1H0 V172PHY0.1HA V172PHA0.1H0
 V173PHY0.1HA V173PHA0.1H0 V174PHY0.1HA V174PHA0.1H0 V175PHY0.1HA V175PHA0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

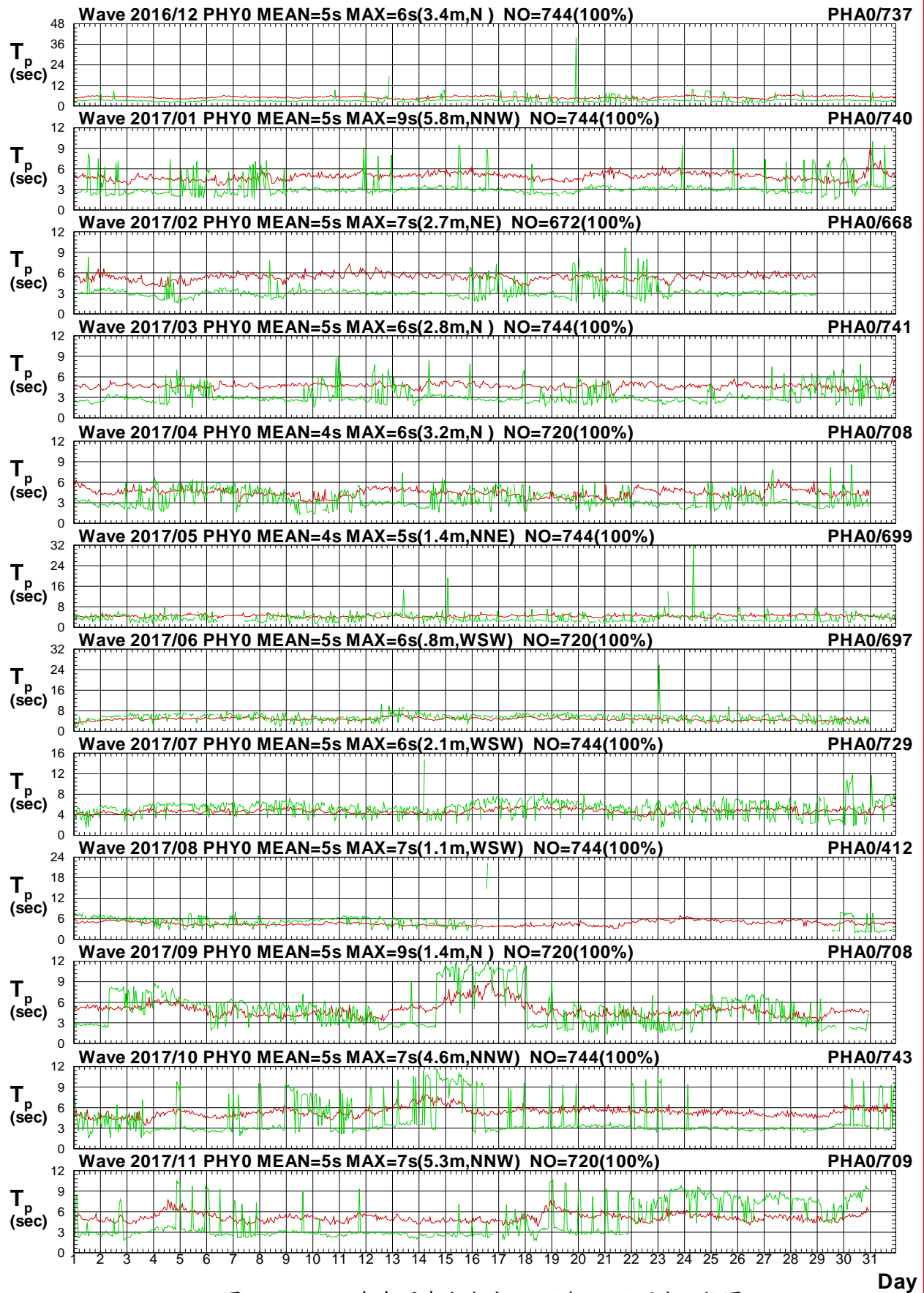


圖2.3b 2017年每月澎湖海域 Y 站與 A 站週期比較圖

V16CPHY0.1HA V16CPHA0.1H0 V171PHY0.1HA V171PHA0.1H0 V172PHY0.1HA V172PHA0.1H0
 V173PHY0.1HA V173PHA0.1H0 V174PHY0.1HA V174PHA0.1H0 V175PHY0.1HA V175PHA0.1H0

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

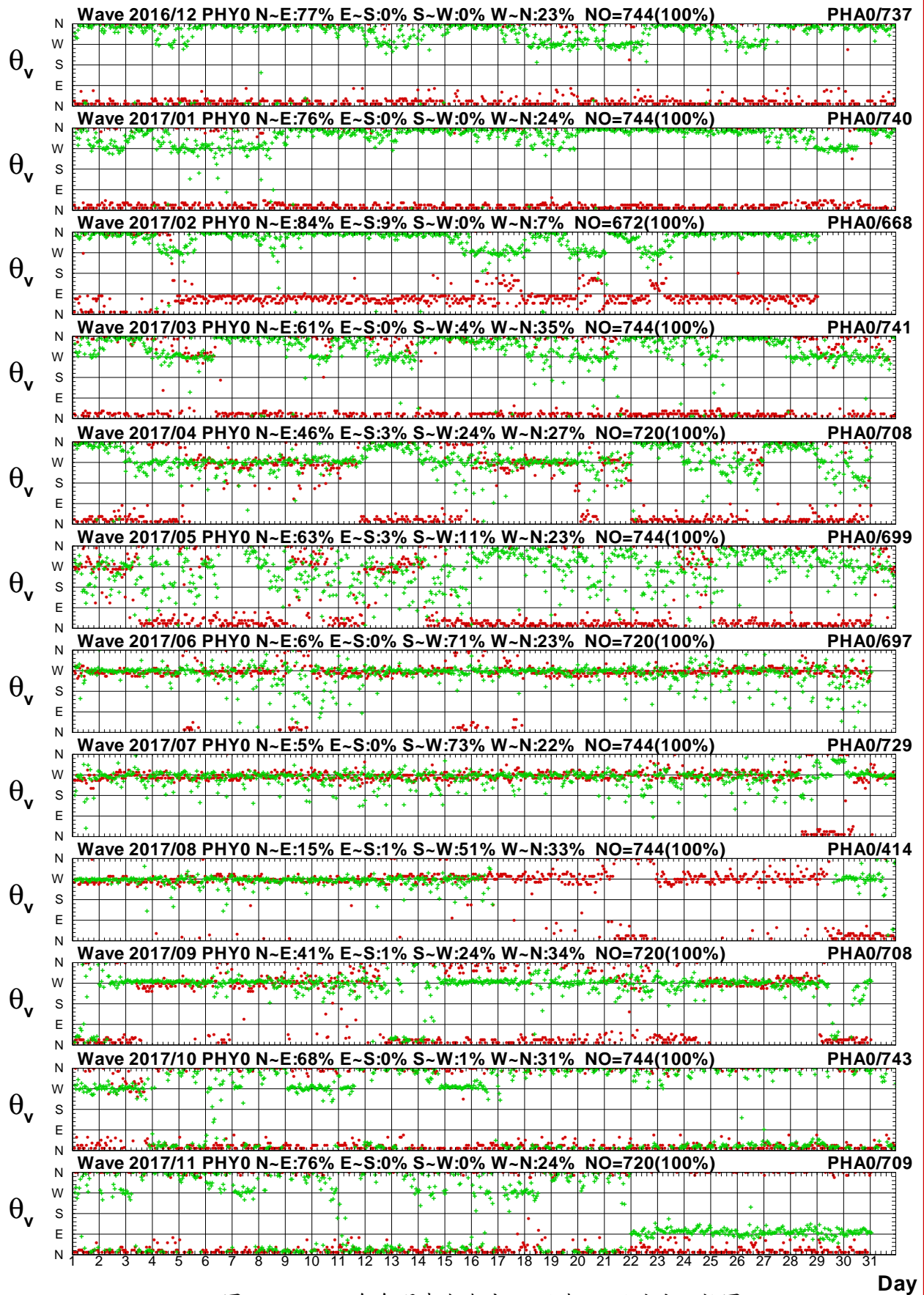


圖2.3c 2017年每月澎湖海域 Y 站與 A 站波向比較圖

V16CPHY0.1HA V16CPHA0.1H0 V171PHY0.1HA V171PHA0.1H0 V172PHY0.1HA V172PHA0.1H0
 V173PHY0.1HA V173PHA0.1H0 V174PHY0.1HA V174PHA0.1H0 V175PHY0.1HA V175PHA0.1H0

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

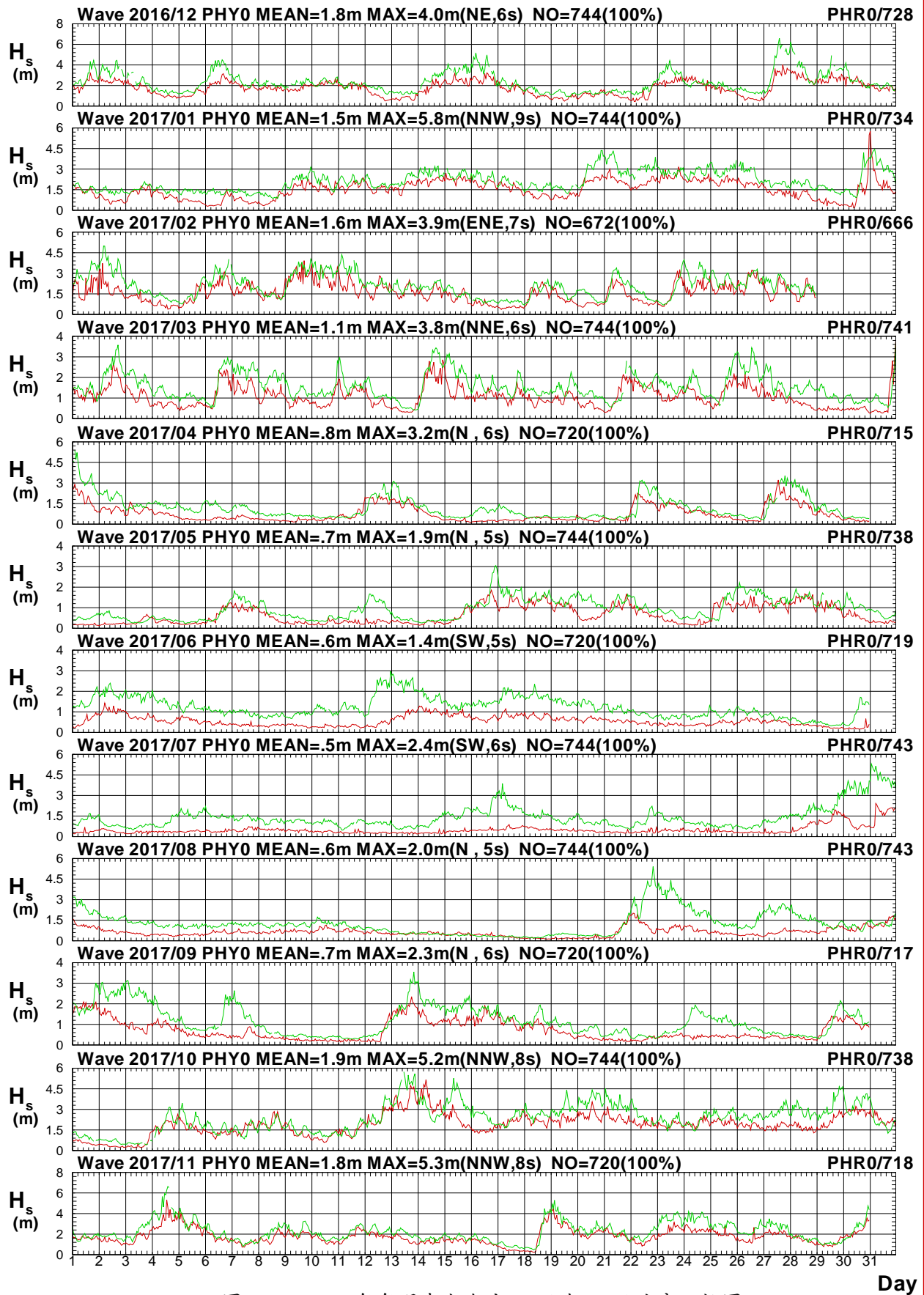


圖2.4a 2017年每月澎湖海域 Y 站與 R 站波高比較圖

V16CPHY0.1HA V16CPHR0.1H0 V171PHY0.1HA V171PHR0.1H0 V172PHY0.1HA V172PHR0.1H0
 V173PHY0.1HA V173PHR0.1H0 V174PHY0.1HA V174PHR0.1H0 V175PHY0.1HA V175PHR0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

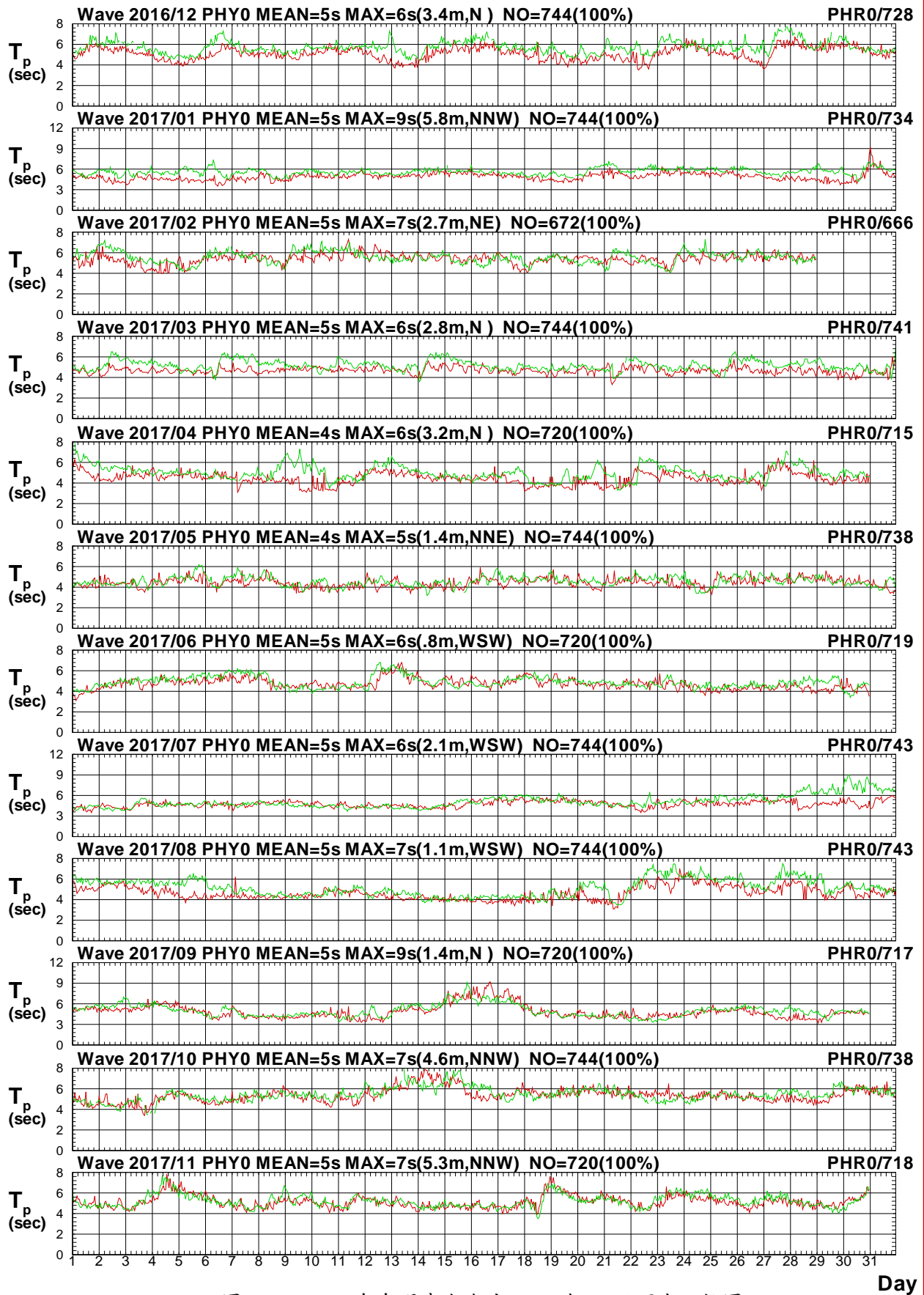


圖2.4b 2017年每月澎湖海域 Y 站與 R 站週期比較圖

V16CPHY0.1HA V16CPHR0.1H0 V171PHY0.1HA V171PHR0.1H0 V172PHY0.1HA V172PHR0.1H0
 V173PHY0.1HA V173PHR0.1H0 V174PHY0.1HA V174PHR0.1H0 V175PHY0.1HA V175PHR0.1H0

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

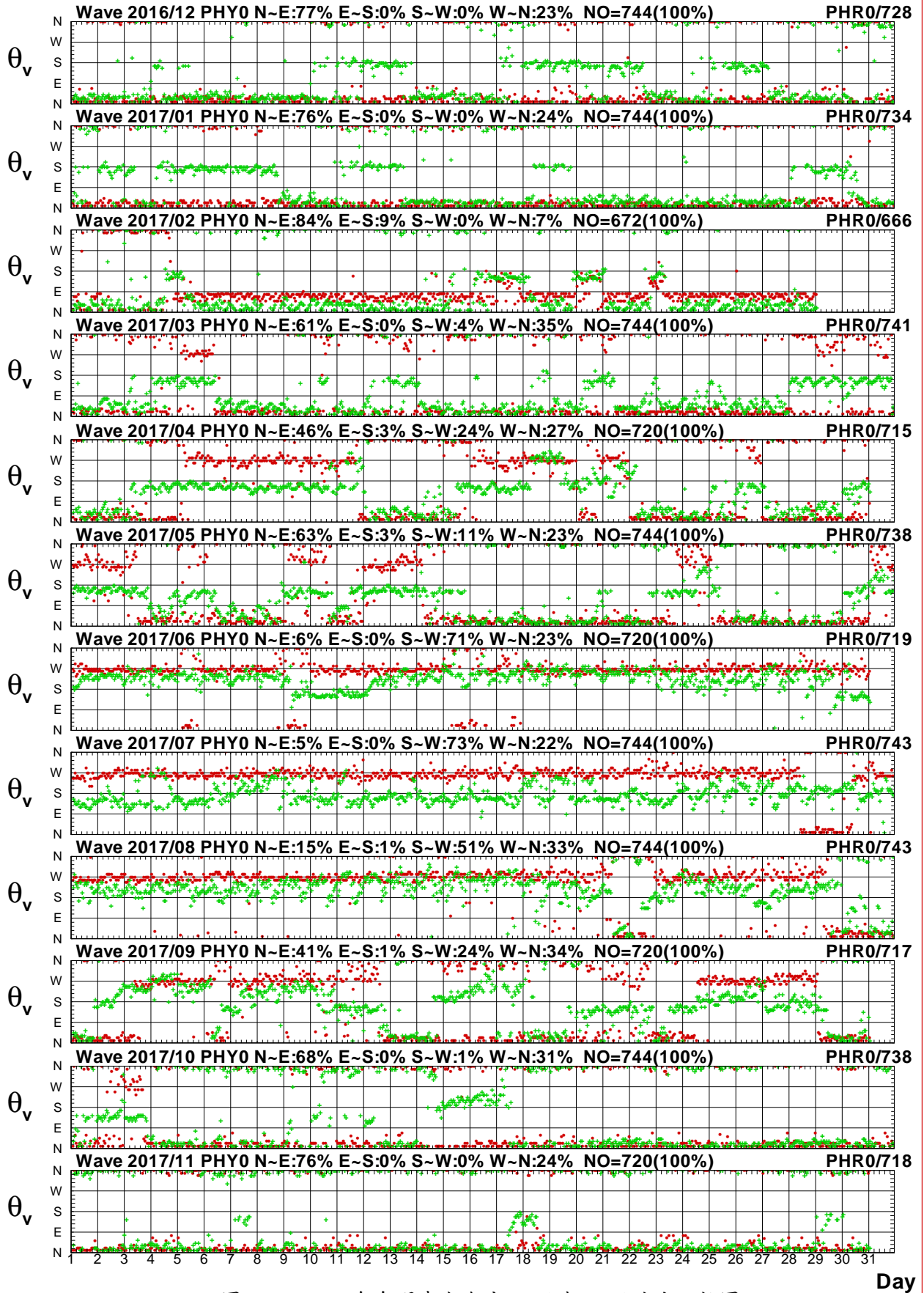


圖2.4c 2017年每月澎湖海域 Y 站與 R 站波向比較圖

V16CPHY0.1HA V16CPHR0.1H0 V171PHY0.1HA V171PHR0.1H0 V172PHY0.1HA V172PHR0.1H0
 V173PHY0.1HA V173PHR0.1H0 V174PHY0.1HA V174PHR0.1H0 V175PHY0.1HA V175PHR0.1H0

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

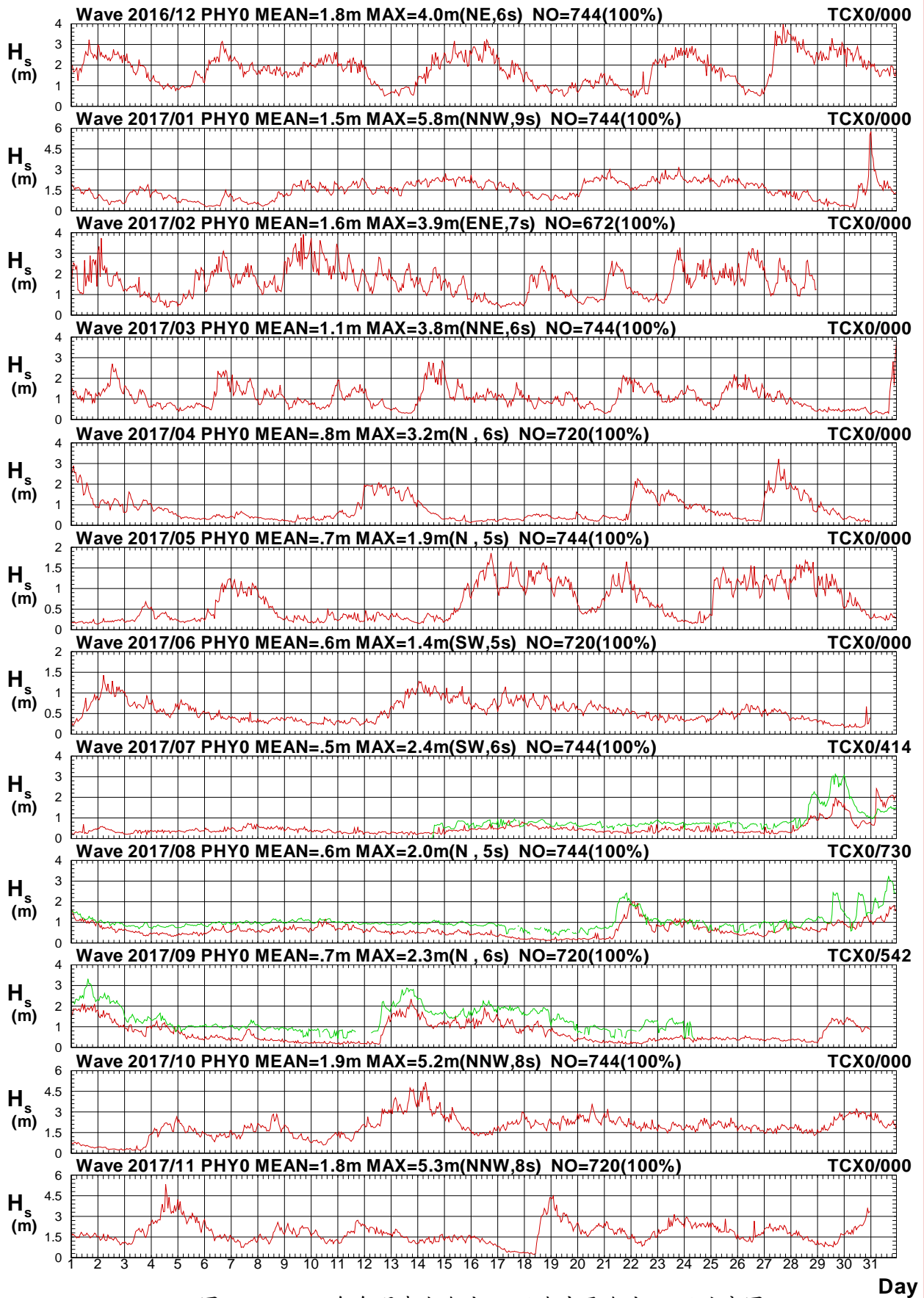


圖2.5a 2017年每月澎湖海域 Y 站與中雲海域 X 站波高圖

V16CPHY0.1HA V16CTCX0.1H0 V171PHY0.1HA V171TCX0.1H0 V172PHY0.1HA V172TCX0.1H0
 V173PHY0.1HA V173TCX0.1H0 V174PHY0.1HA V174TCX0.1H0 V175PHY0.1HA V175TCX0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

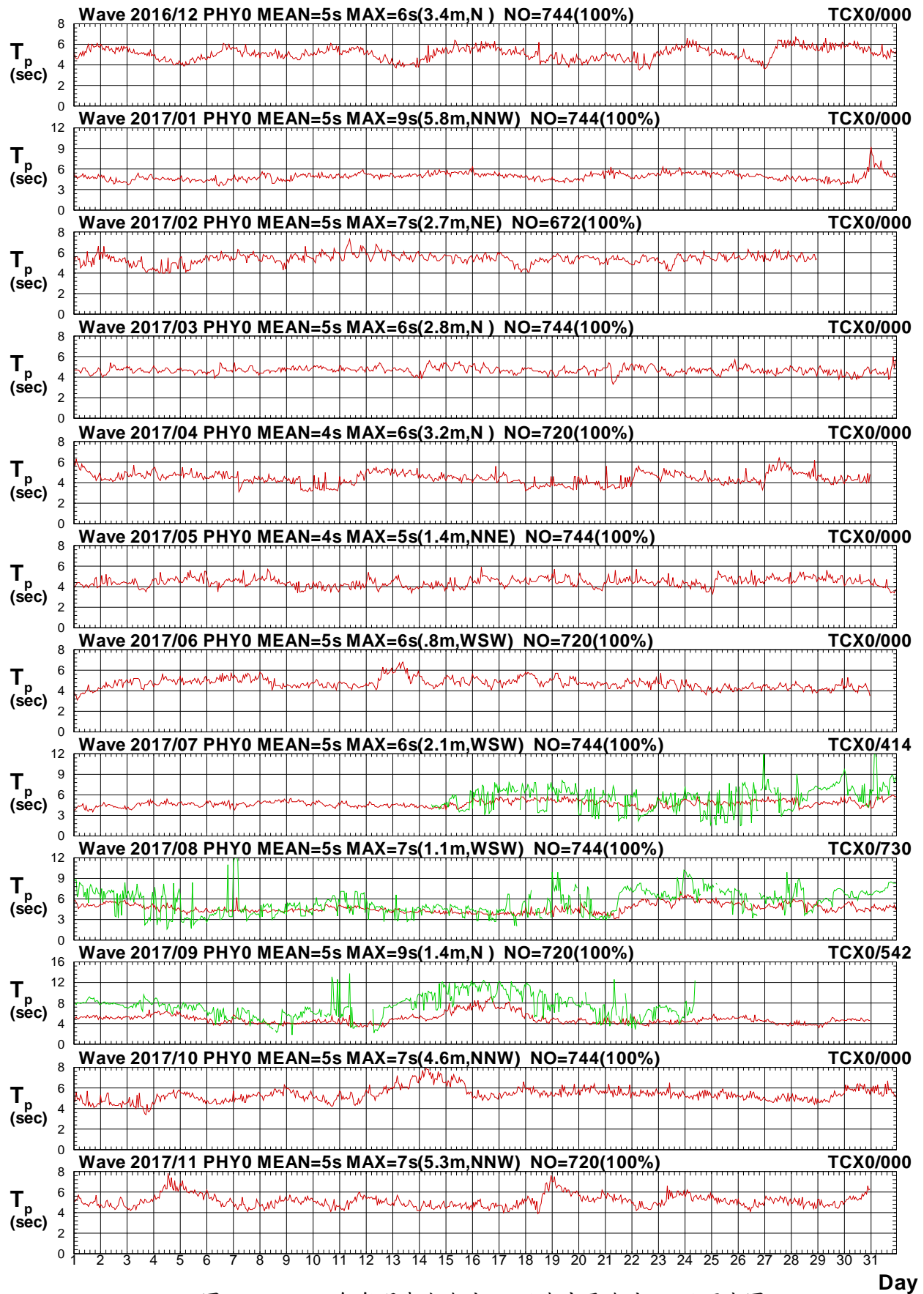


圖2.5b 2017年每月澎湖海域 Y 站與中雲海域 X 站週期圖

V16CPHY0.1HA V16CTCX0.1HO V171PHY0.1HA V171TCX0.1HO V172PHY0.1HA V172TCX0.1HO
 V173PHY0.1HA V173TCX0.1HO V174PHY0.1HA V174TCX0.1HO V175PHY0.1HA V175TCX0.1HO

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

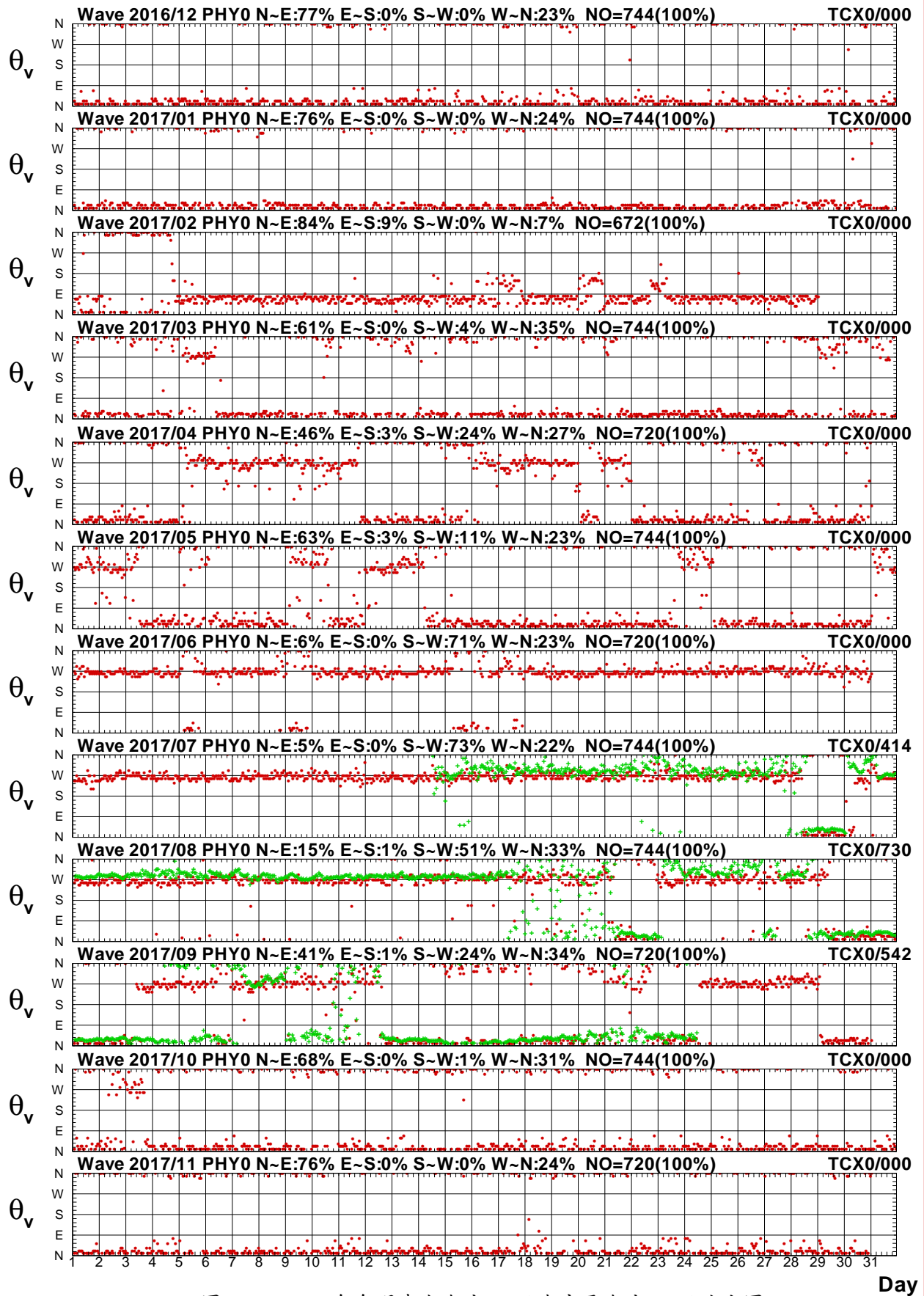


圖2.5c 2017年每月澎湖海域 Y 站與中雲海域 X 站波向圖

V16CPHY0.1HA V16CTCX0.1H0 V171PHY0.1HA V171TCX0.1H0 V172PHY0.1HA V172TCX0.1H0
 V173PHY0.1HA V173TCX0.1H0 V174PHY0.1HA V174TCX0.1H0 V175PHY0.1HA V175TCX0.1H0

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

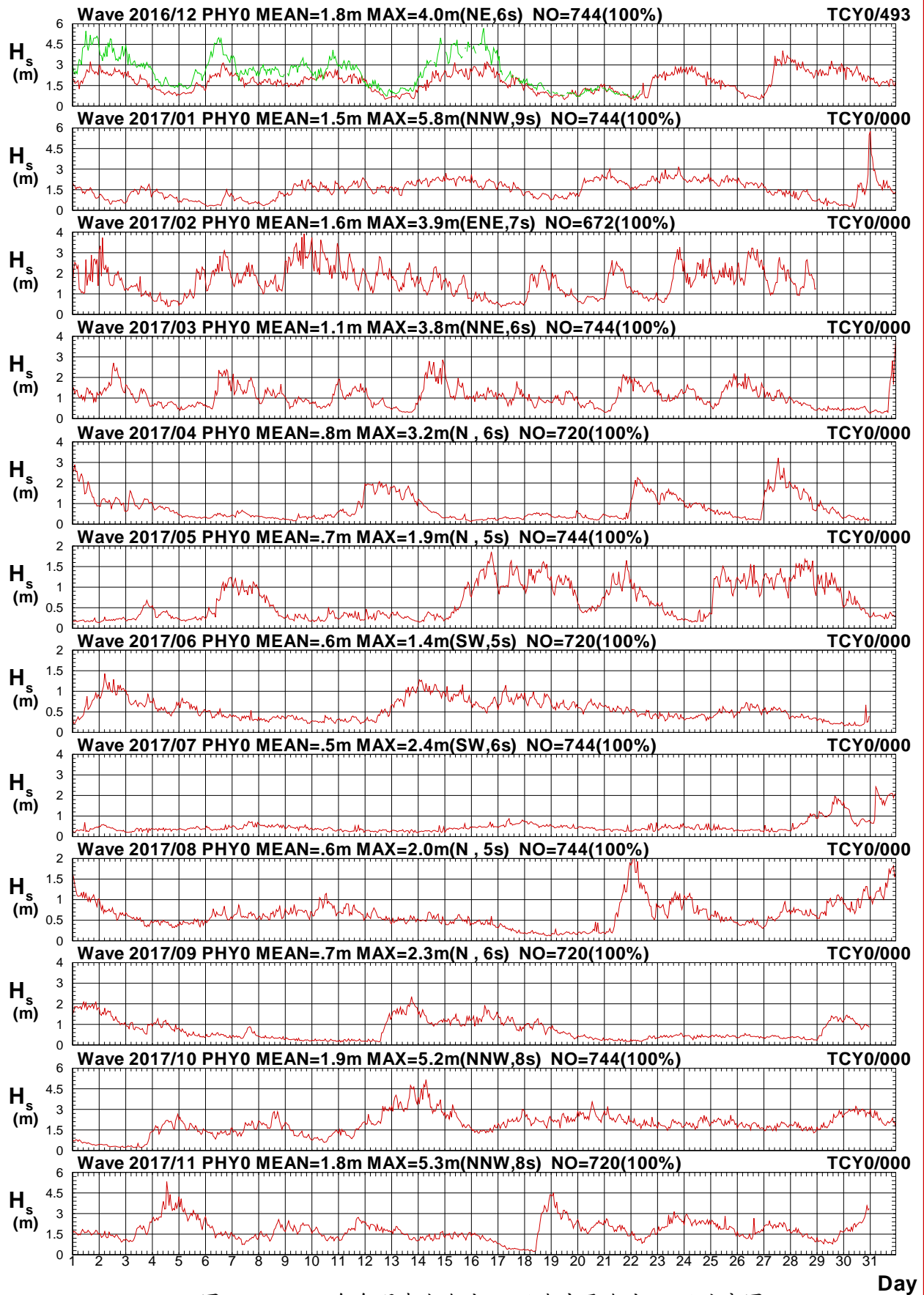


圖2.6a 2017年每月澎湖海域 Y 站與中雲海域 Y 站波高圖

V16CPHY0.1HA V16CTCY0.1H0 V171PHY0.1HA V171TCY0.1H0 V172PHY0.1HA V172TCY0.1H0
 V173PHY0.1HA V173TCY0.1H0 V174PHY0.1HA V174TCY0.1H0 V175PHY0.1HA V175TCY0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

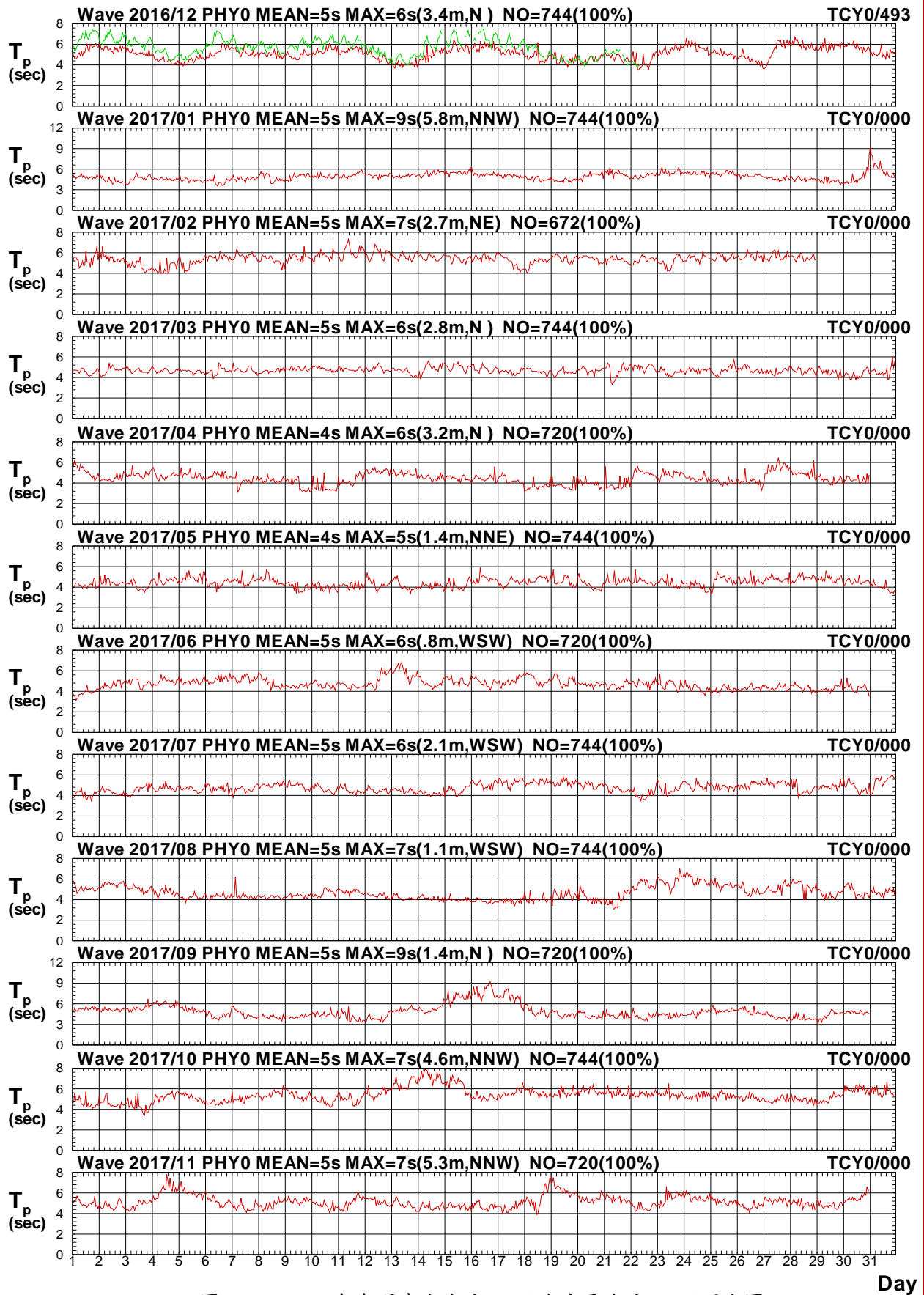


圖2.6b 2017年每月澎湖海域 Y 站與中雲海域 Y 站週期圖

V16CPHY0.1HA V16CTCY0.1HO V171PHY0.1HA V171TCY0.1HO V172PHY0.1HA V172TCY0.1HO
 V173PHY0.1HA V173TCY0.1HO V174PHY0.1HA V174TCY0.1HO V175PHY0.1HA V175TCY0.1HO

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

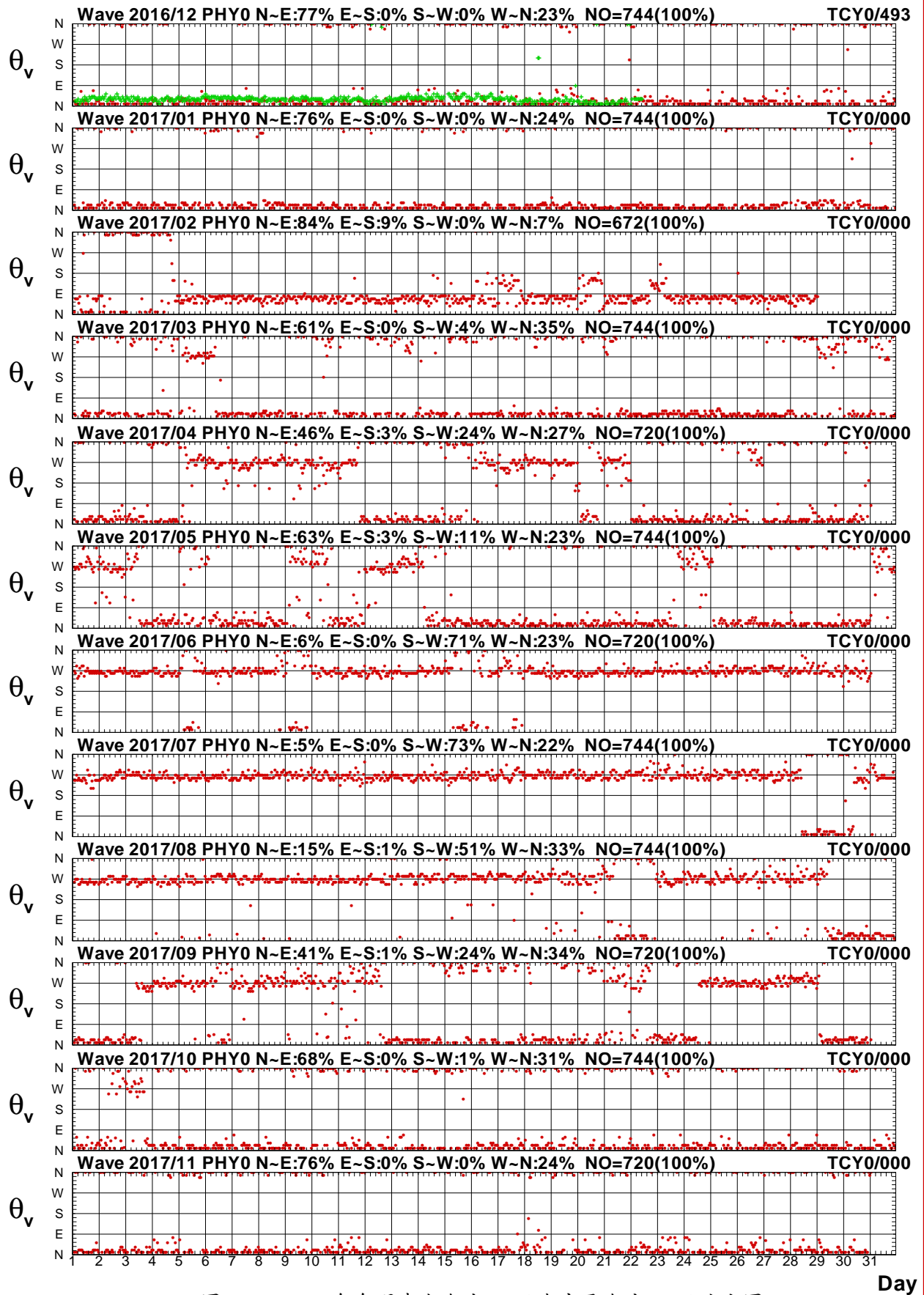


圖2.6c 2017年每月澎湖海域 Y 站與中雲海域 Y 站波向圖

V16CPHY0.1HA V16CTCY0.1H0 V171PHY0.1HA V171TCY0.1H0 V172PHY0.1HA V172TCY0.1H0
 V173PHY0.1HA V173TCY0.1H0 V174PHY0.1HA V174TCY0.1H0 V175PHY0.1HA V175TCY0.1H0

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

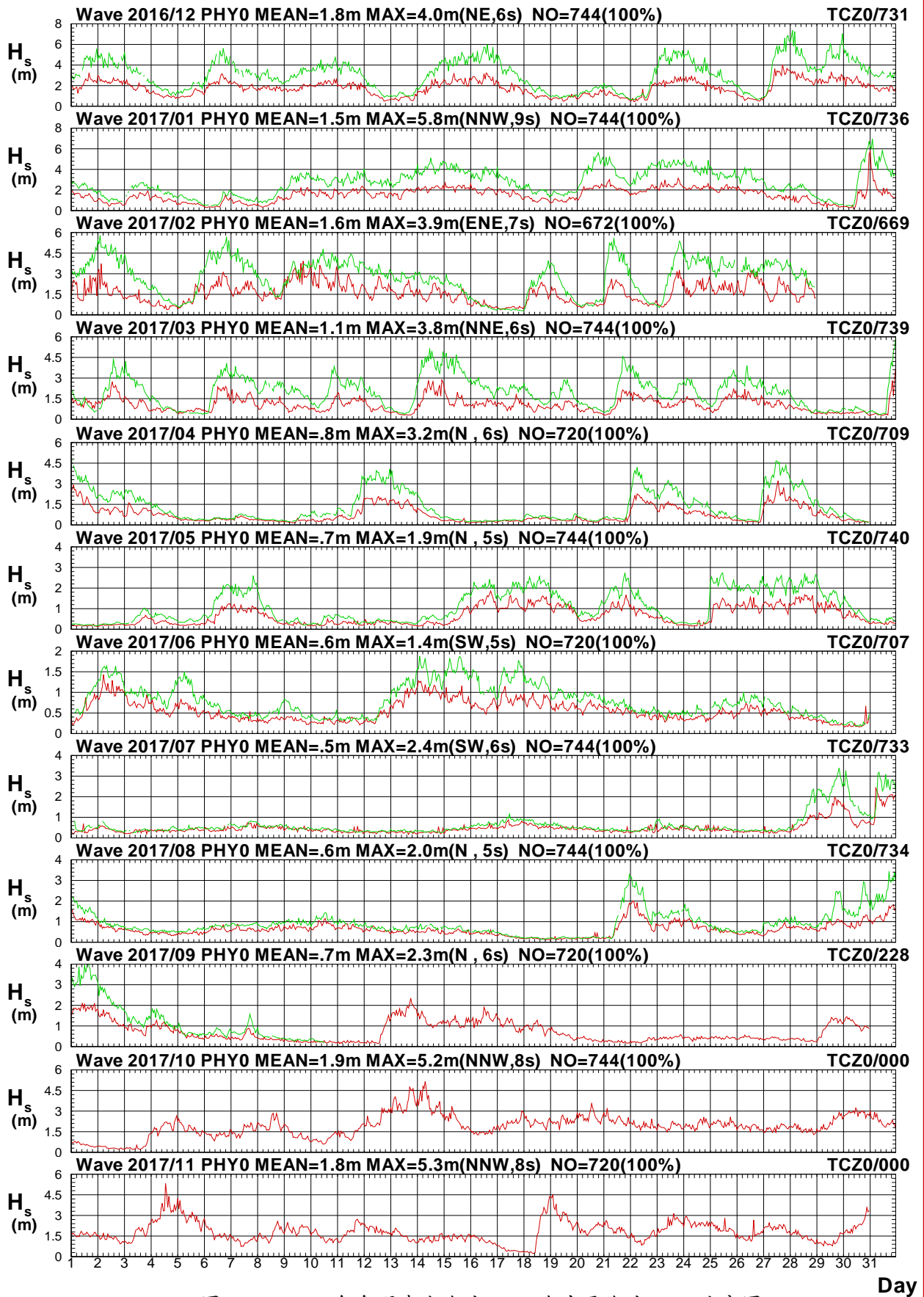


圖2.7a 2017年每月澎湖海域 Y 站與中雲海域 Z 站波高圖

V16CPHY0.1HA V16CTCZ0.1H0 V171PHY0.1HA V171TCZ0.1H0 V172PHY0.1HA V172TCZ0.1H0
 V173PHY0.1HA V173TCZ0.1H0 V174PHY0.1HA V174TCZ0.1H0 V175PHY0.1HA V175TCZ0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

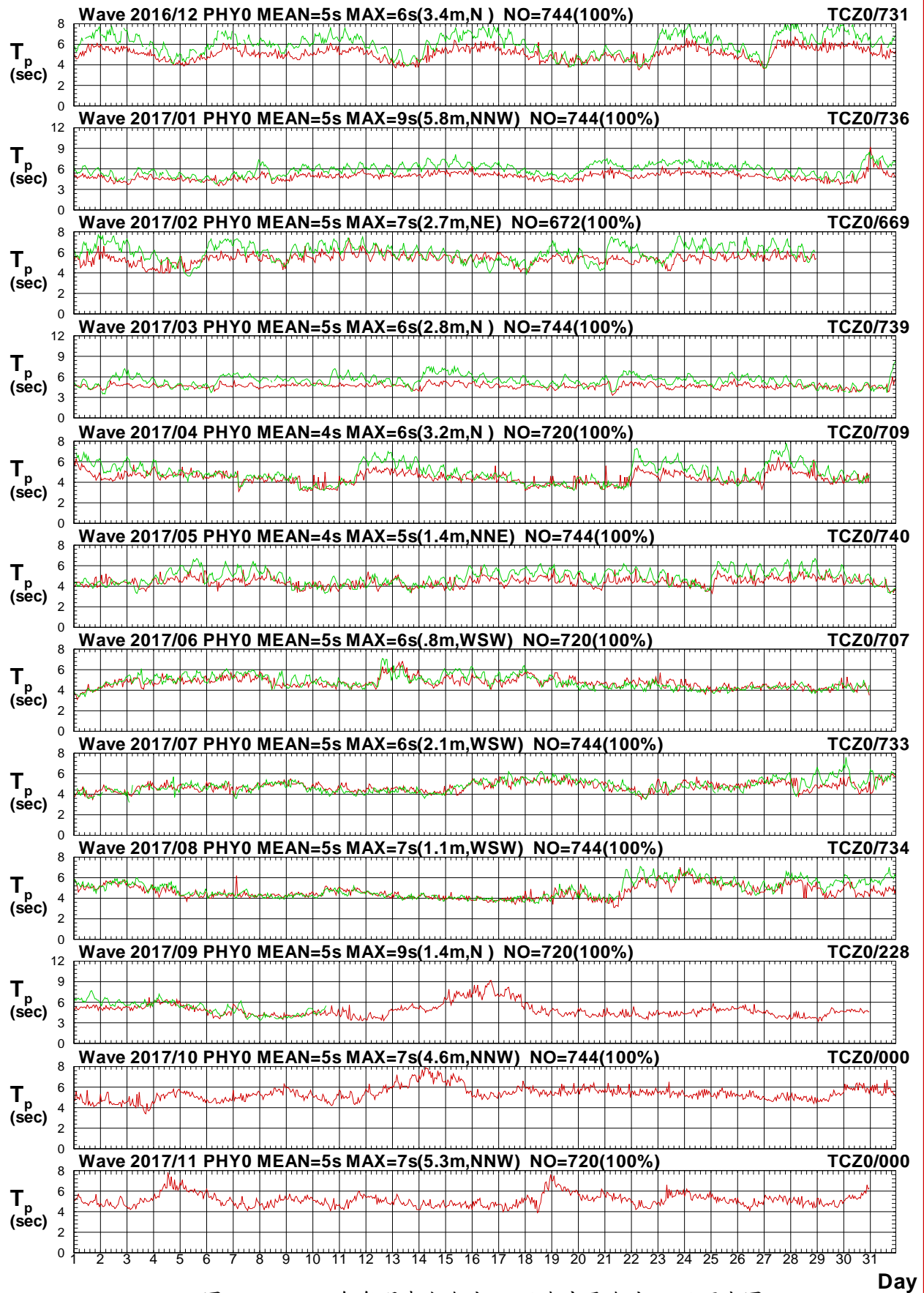


圖2.7b 2017年每月澎湖海域 Y 站與中雲海域 Z 站週期圖

V16CPHY0.1HA V16CTCZ0.1H0 V171PHY0.1HA V171TCZ0.1H0 V172PHY0.1HA V172TCZ0.1H0
 V173PHY0.1HA V173TCZ0.1H0 V174PHY0.1HA V174TCZ0.1H0 V175PHY0.1HA V175TCZ0.1H0

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

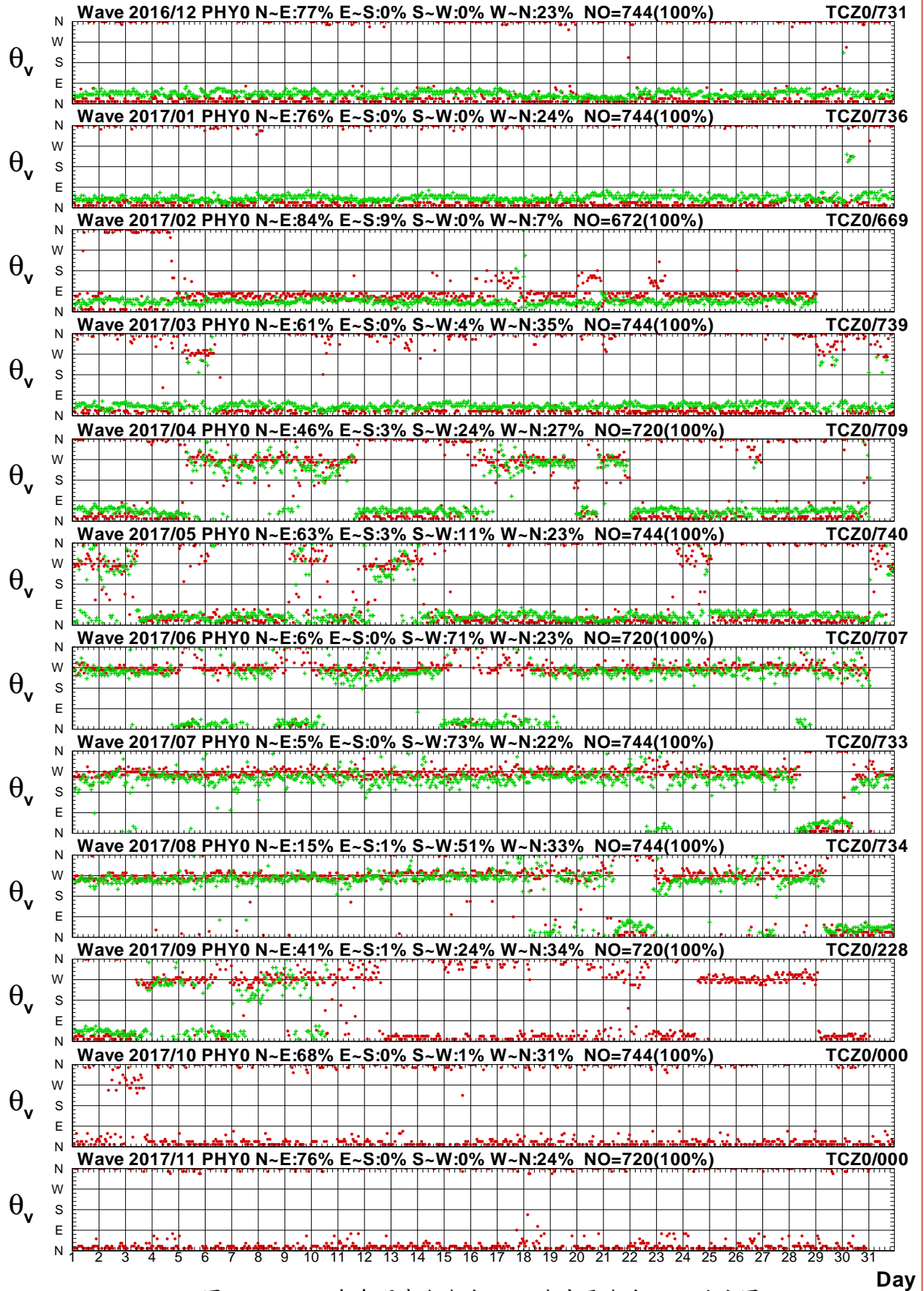


圖2.7c 2017年每月澎湖海域 Y 站與中雲海域 Z 站波向圖

V16CPHY0.1HA V16CTCZ0.1H0 V171PHY0.1HA V171TCZ0.1H0 V172PHY0.1HA V172TCZ0.1H0
 V173PHY0.1HA V173TCZ0.1H0 V174PHY0.1HA V174TCZ0.1H0 V175PHY0.1HA V175TCZ0.1H0

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

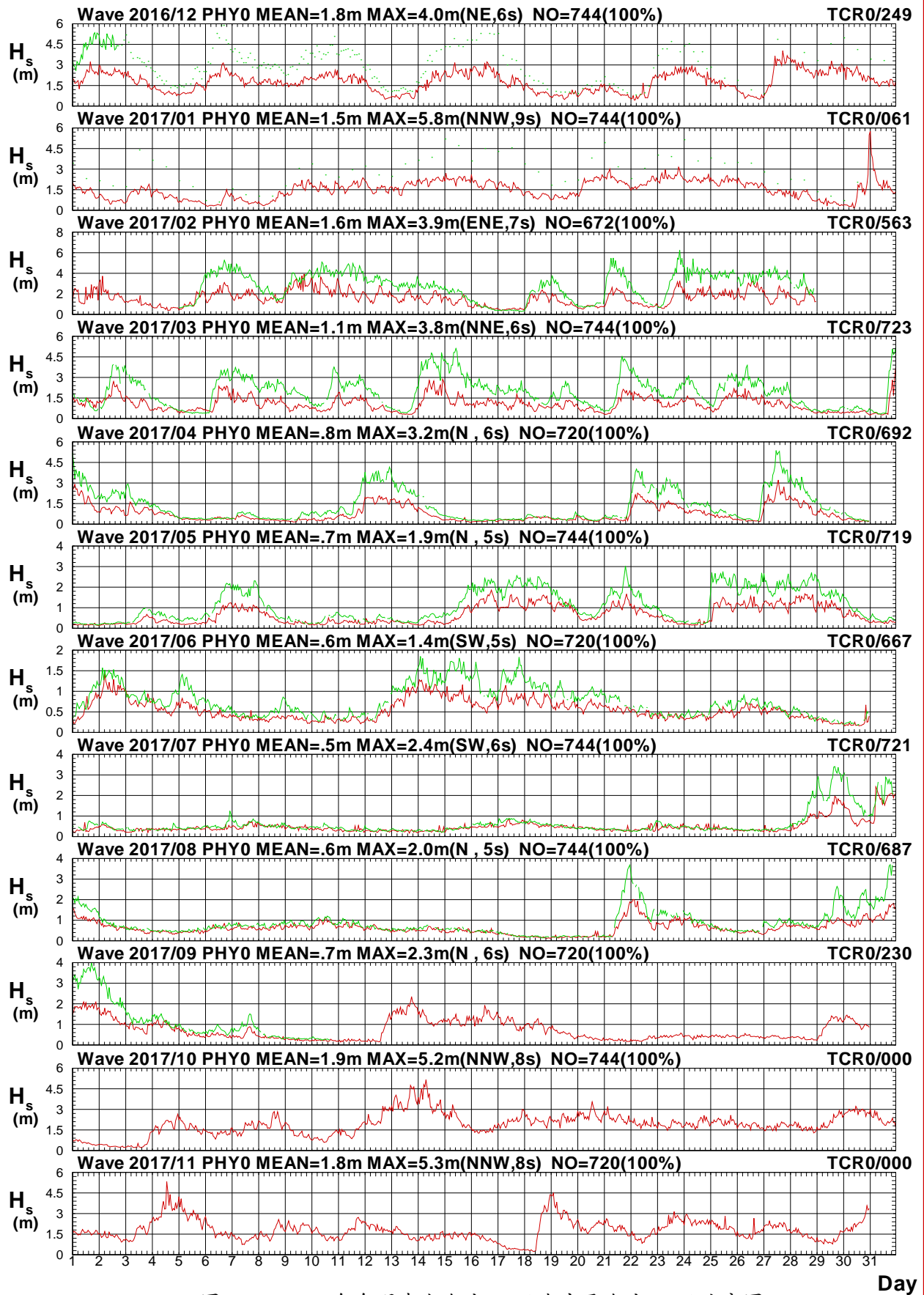


圖2.8a 2017年每月澎湖海域 Y 站與中雲海域 R 站波高圖

V16CPHY0.1HA V16CTCR0.1H0 V171PHY0.1HA V171TCR0.1H0 V172PHY0.1HA V172TCR0.1H0
 V173PHY0.1HA V173TCR0.1H0 V174PHY0.1HA V174TCR0.1H0 V175PHY0.1HA V175TCR0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

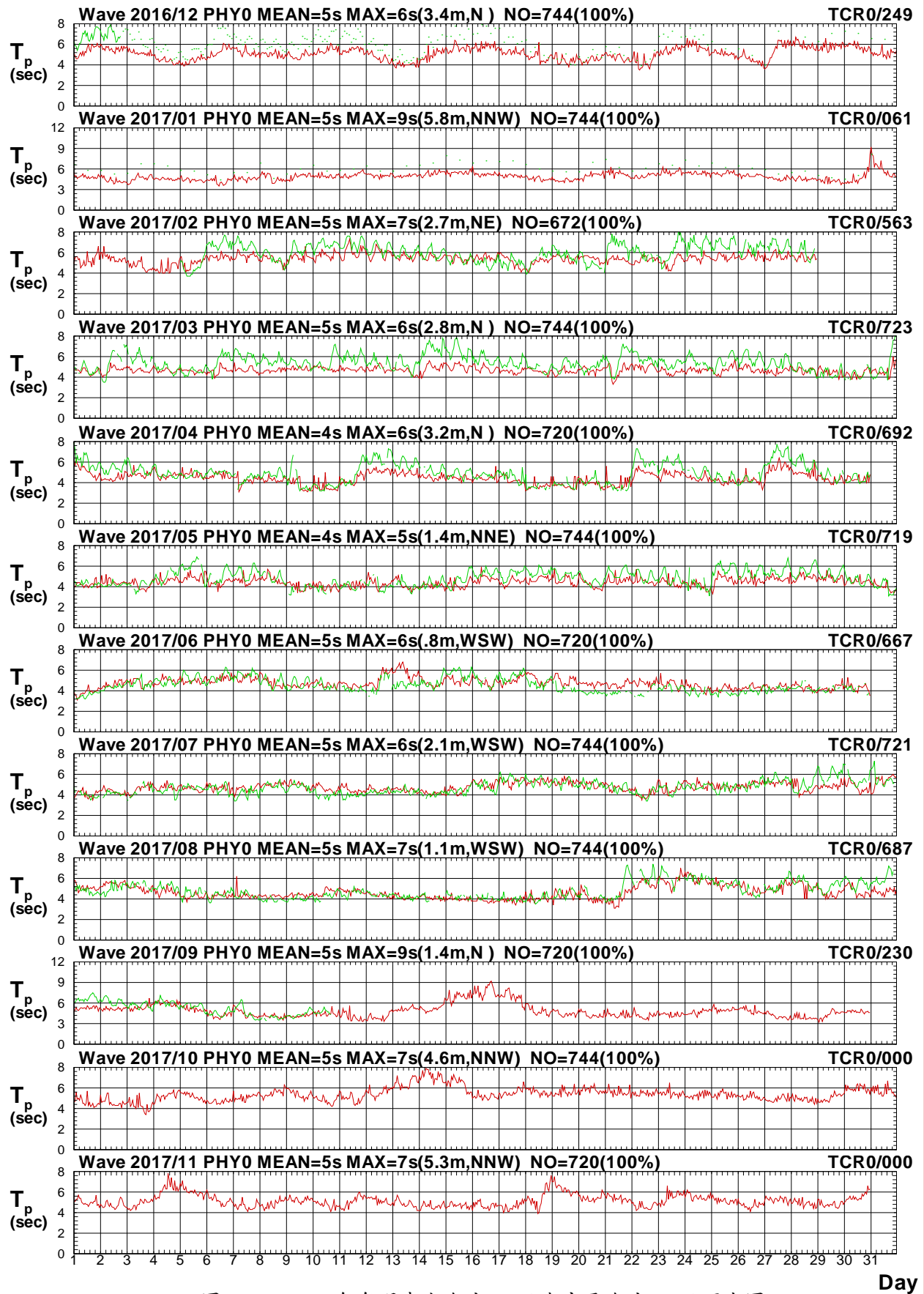


圖2.8b 2017年每月澎湖海域 Y 站與中雲海域 R 站週期圖

V16CPHY0.1HA V16CTCR0.1H0 V171PHY0.1HA V171TCR0.1H0 V172PHY0.1HA V172TCR0.1H0
 V173PHY0.1HA V173TCR0.1H0 V174PHY0.1HA V174TCR0.1H0 V175PHY0.1HA V175TCR0.1H0

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

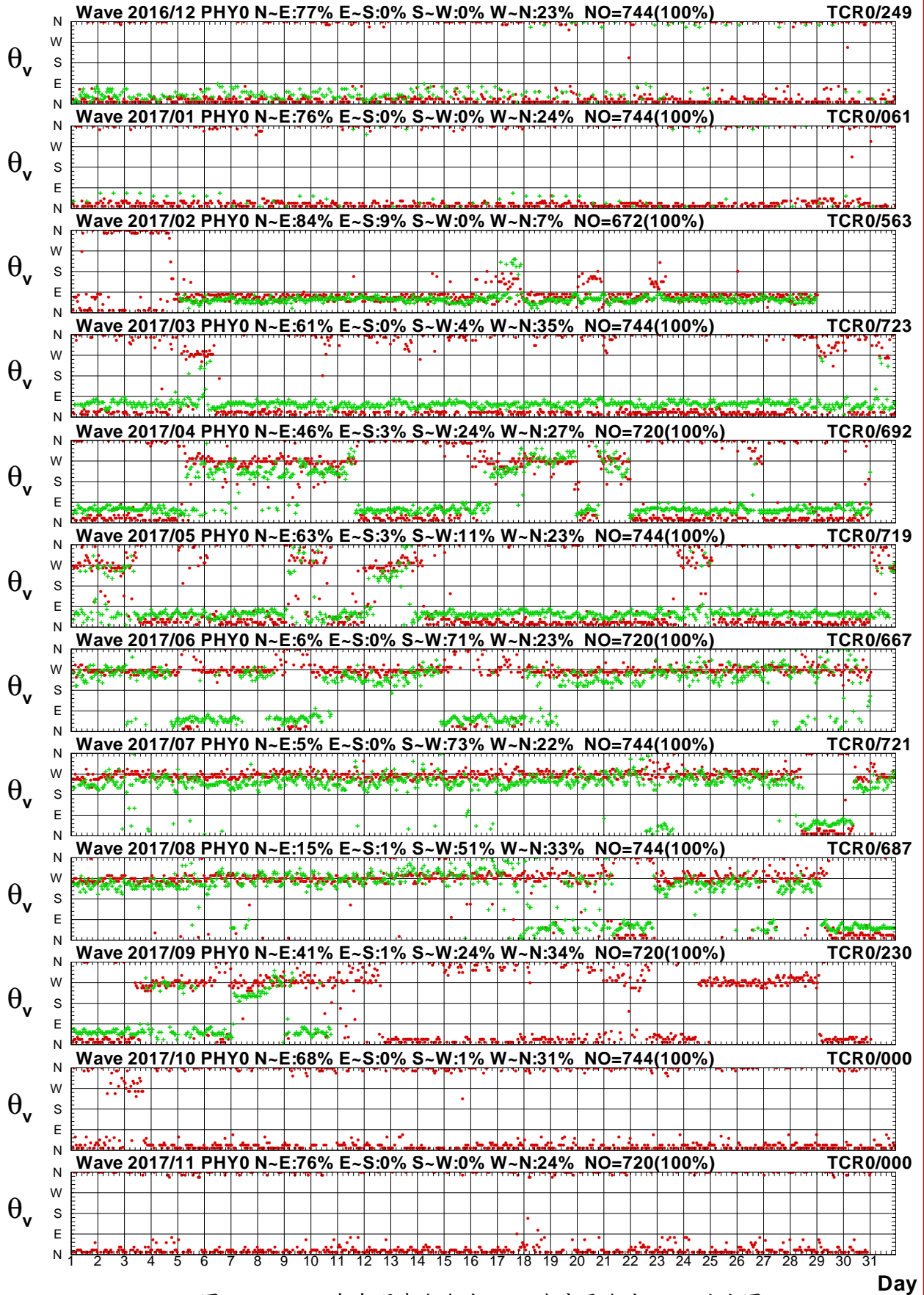


圖2.8c 2017年每月澎湖海域 Y 站與中雲海域 R 站波向圖

V16CPHY0.1HA V16CTCR0.1H0 V171PHY0.1HA V171TCR0.1H0 V172PHY0.1HA V172TCR0.1H0
 V173PHY0.1HA V173TCR0.1H0 V174PHY0.1HA V174TCR0.1H0 V175PHY0.1HA V175TCR0.1H0

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

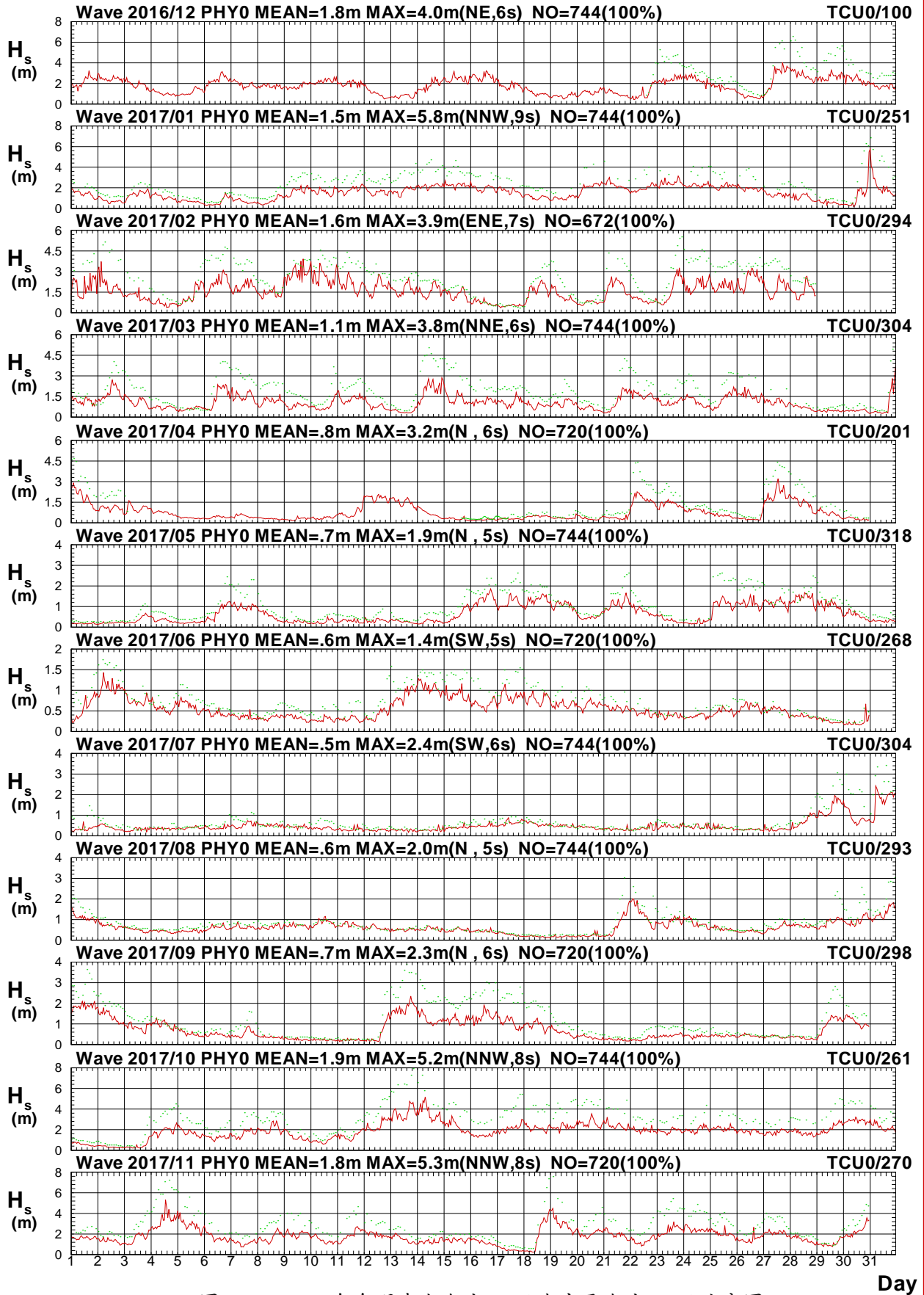


圖2.9a 2017年每月澎湖海域 Y 站與中雲海域 U 站波高圖

V16CPHY0.1HA V16CTCU0.1H0 V171PHY0.1HA V171TCU0.1H0 V172PHY0.1HA V172TCU0.1H0
 V173PHY0.1HA V173TCU0.1H0 V174PHY0.1HA V174TCU0.1H0 V175PHY0.1HA V175TCU0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

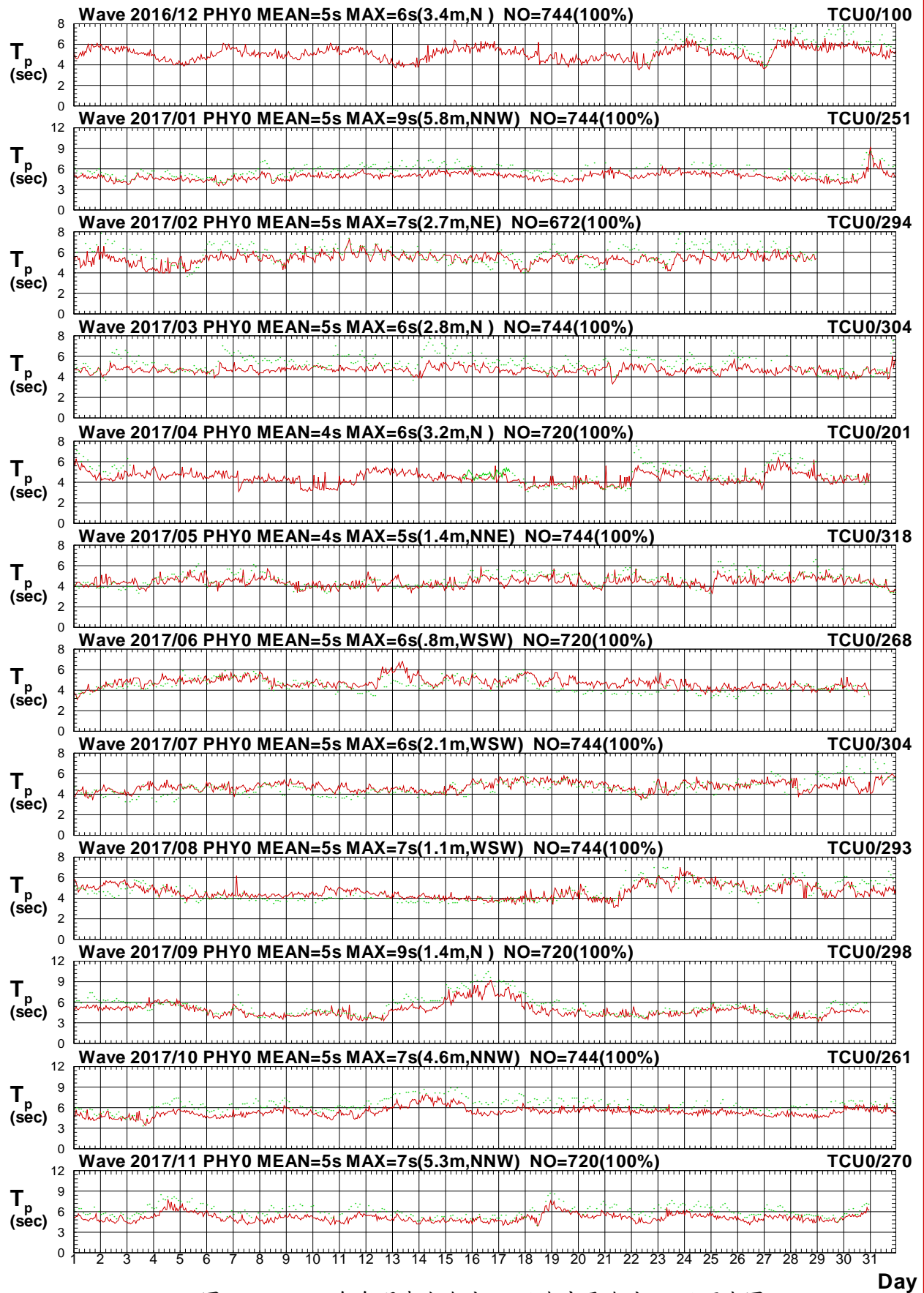


圖2.9b 2017年每月澎湖海域 Y 站與中雲海域 U 站週期圖

V16CPHY0.1HA V16CTCU0.1H0 V171PHY0.1HA V171TCU0.1H0 V172PHY0.1HA V172TCU0.1H0
 V173PHY0.1HA V173TCU0.1H0 V174PHY0.1HA V174TCU0.1H0 V175PHY0.1HA V175TCU0.1H0

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

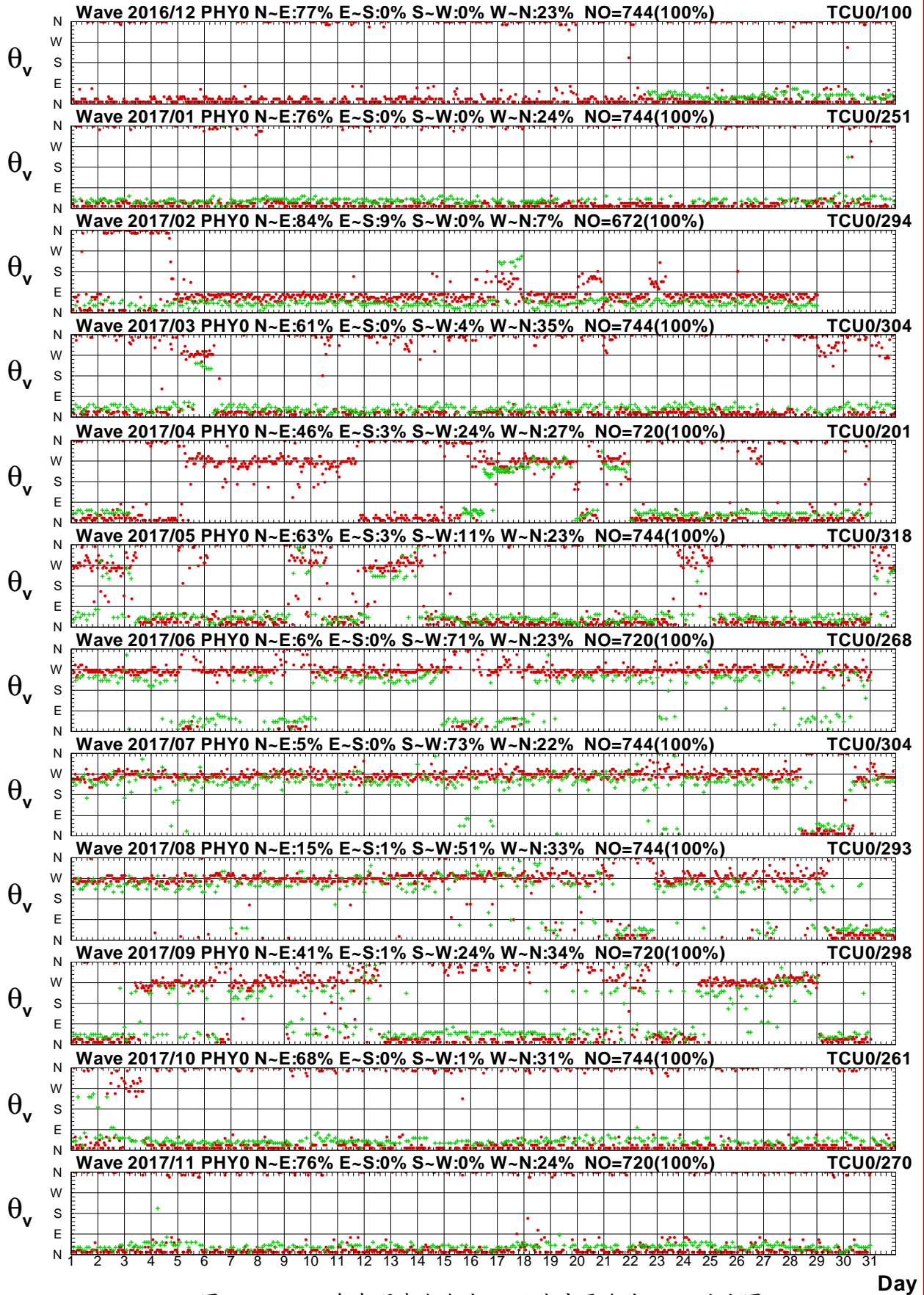


圖2.9c 2017年每月澎湖海域 Y 站與中雲海域 U 站波向圖

V16CPHY0.1HA V16CTCU0.1H0 V171PHY0.1HA V171TCU0.1H0 V172PHY0.1HA V172TCU0.1H0
 V173PHY0.1HA V173TCU0.1H0 V174PHY0.1HA V174TCU0.1H0 V175PHY0.1HA V175TCU0.1H0

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

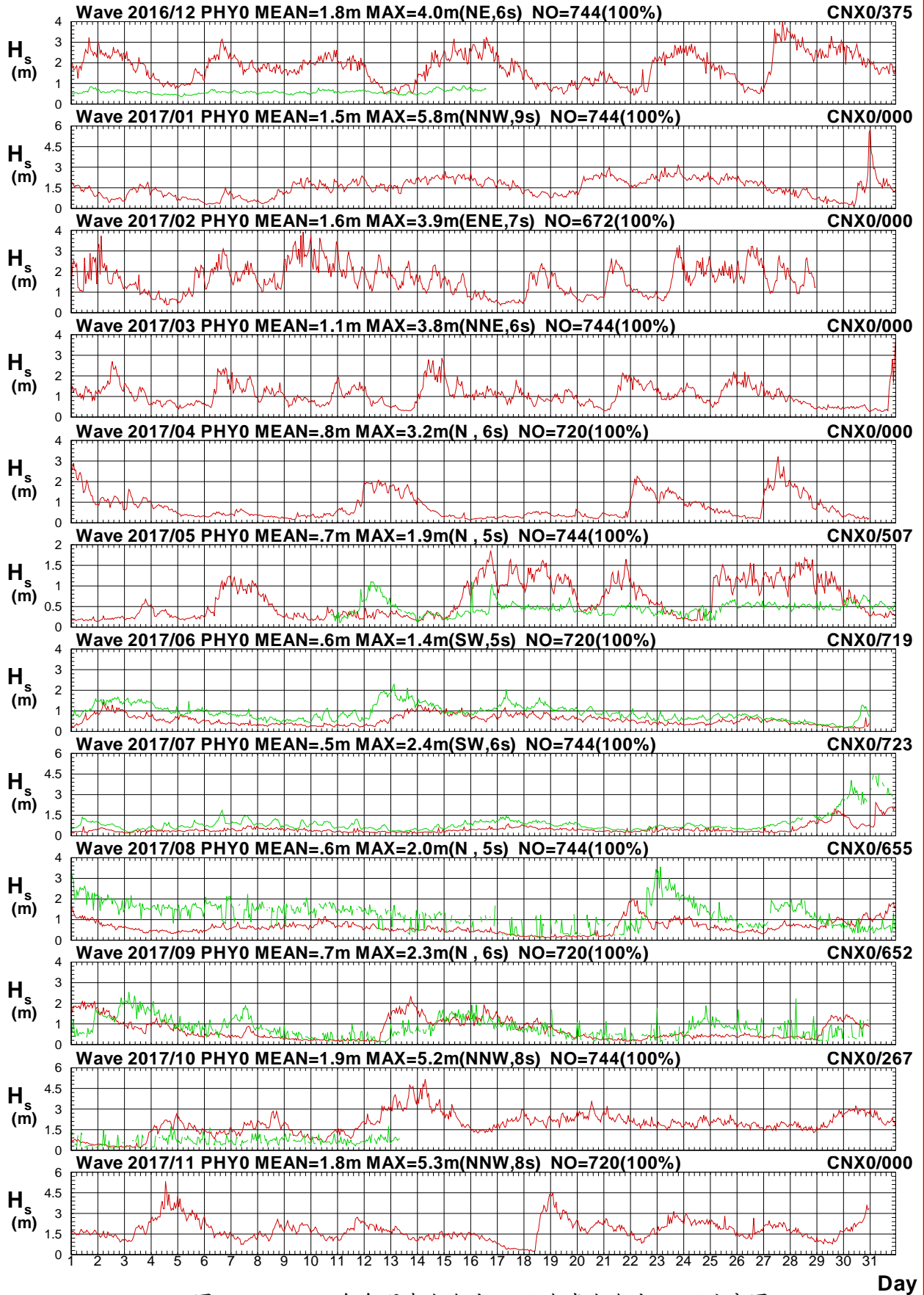


圖2.10a 2017年每月澎湖海域 Y 站與嘉南海域 X 站波高圖

V16CPHY0.1HA V16CCNX0.1H0 V171PHY0.1HA V171CNX0.1H0 V172PHY0.1HA V172CNX0.1H0
 V173PHY0.1HA V173CNX0.1H0 V174PHY0.1HA V174CNX0.1H0 V175PHY0.1HA V175CNX0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

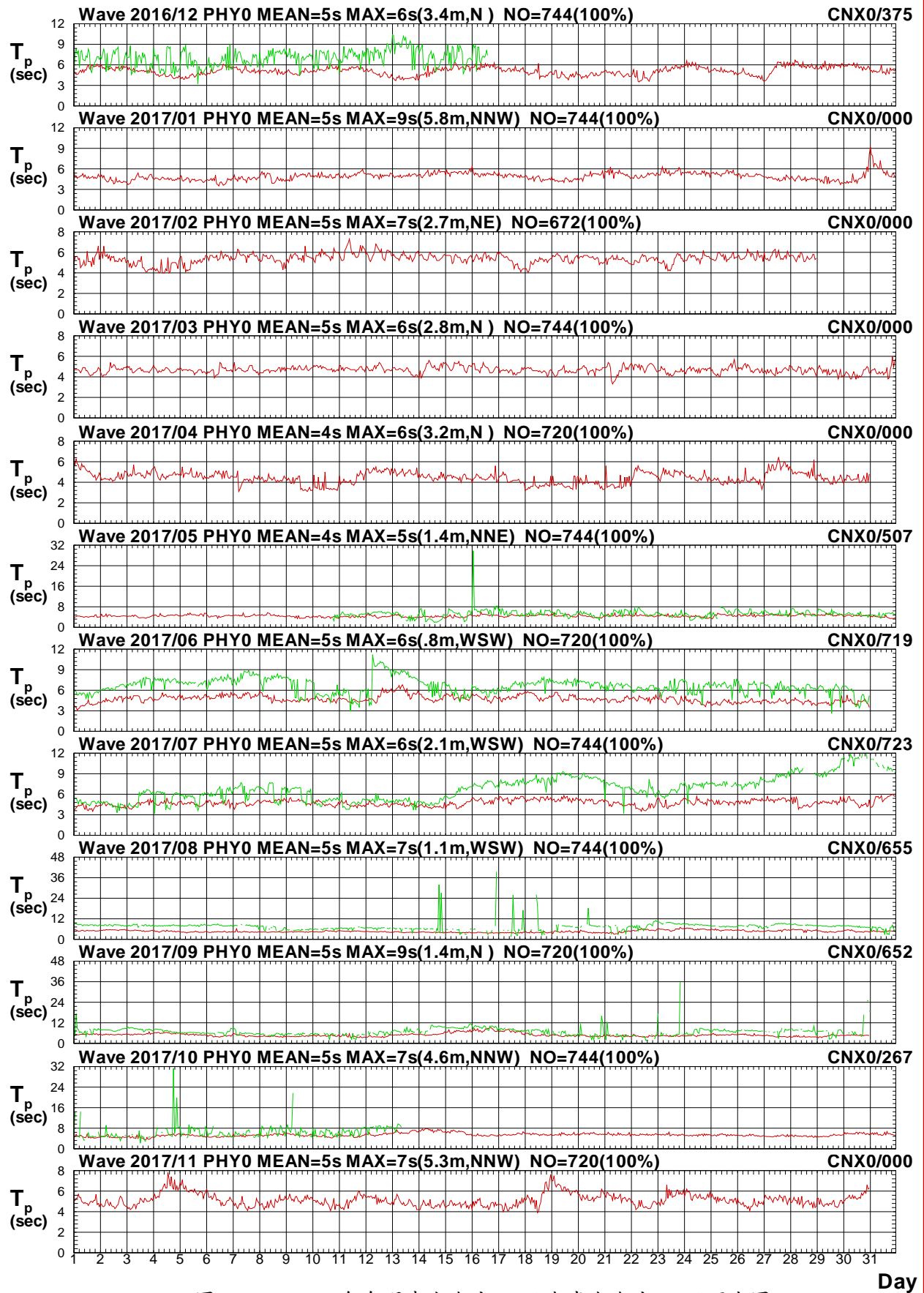


圖2.10b 2017年每月澎湖海域 Y 站與嘉南海域 X 站週期圖

V16CPHY0.1HA V16CCNX0.1H0 V171PHY0.1HA V171CNX0.1H0 V172PHY0.1HA V172CNX0.1H0
 V173PHY0.1HA V173CNX0.1H0 V174PHY0.1HA V174CNX0.1H0 V175PHY0.1HA V175CNX0.1H0

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

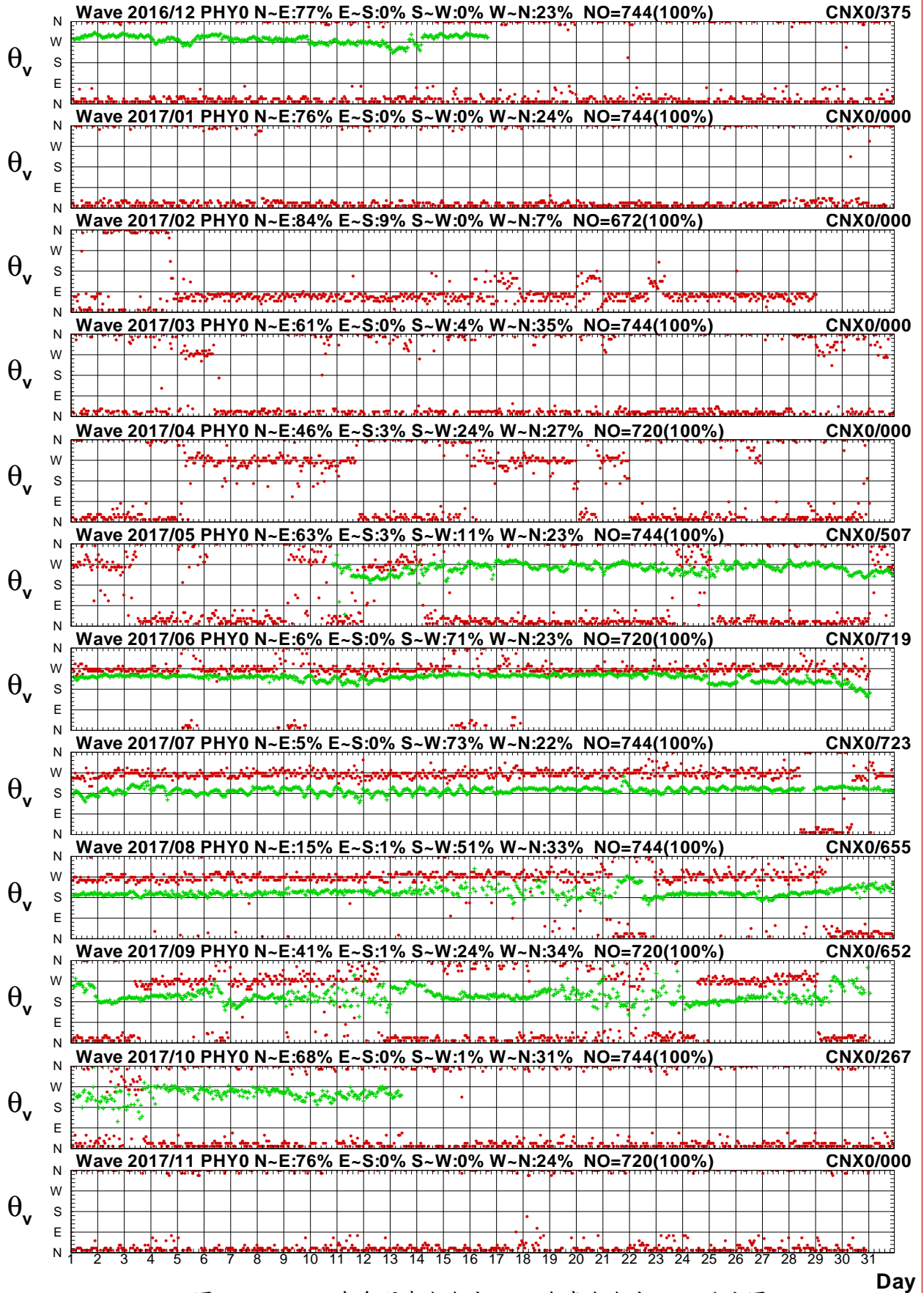


圖2.10c 2017年每月澎湖海域 Y 站與嘉南海域 X 站波向圖

V16CPHY0.1HA V16CCNX0.1H0 V171PHY0.1HA V171CNX0.1H0 V172PHY0.1HA V172CNX0.1H0
 V173PHY0.1HA V173CNX0.1H0 V174PHY0.1HA V174CNX0.1H0 V175PHY0.1HA V175CNX0.1H0

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

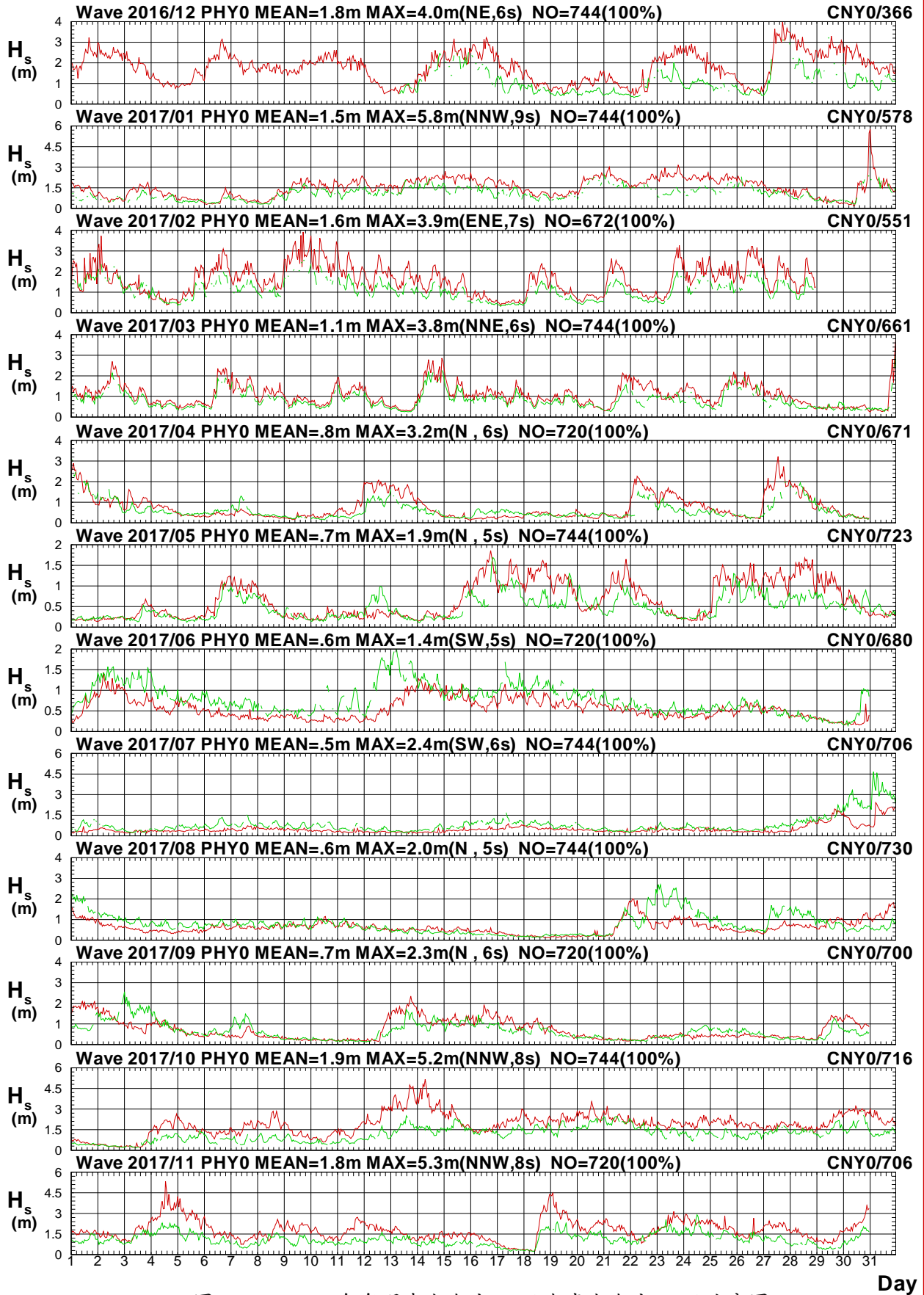


圖2.11a 2017年每月澎湖海域 Y 站與嘉南海域 Y 站波高圖

V16CPHY0.1HA V16CCNY0.1H0 V171PHY0.1HA V171CNY0.1H0 V172PHY0.1HA V172CNY0.1H0
 V173PHY0.1HA V173CNY0.1H0 V174PHY0.1HA V174CNY0.1H0 V175PHY0.1HA V175CNY0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

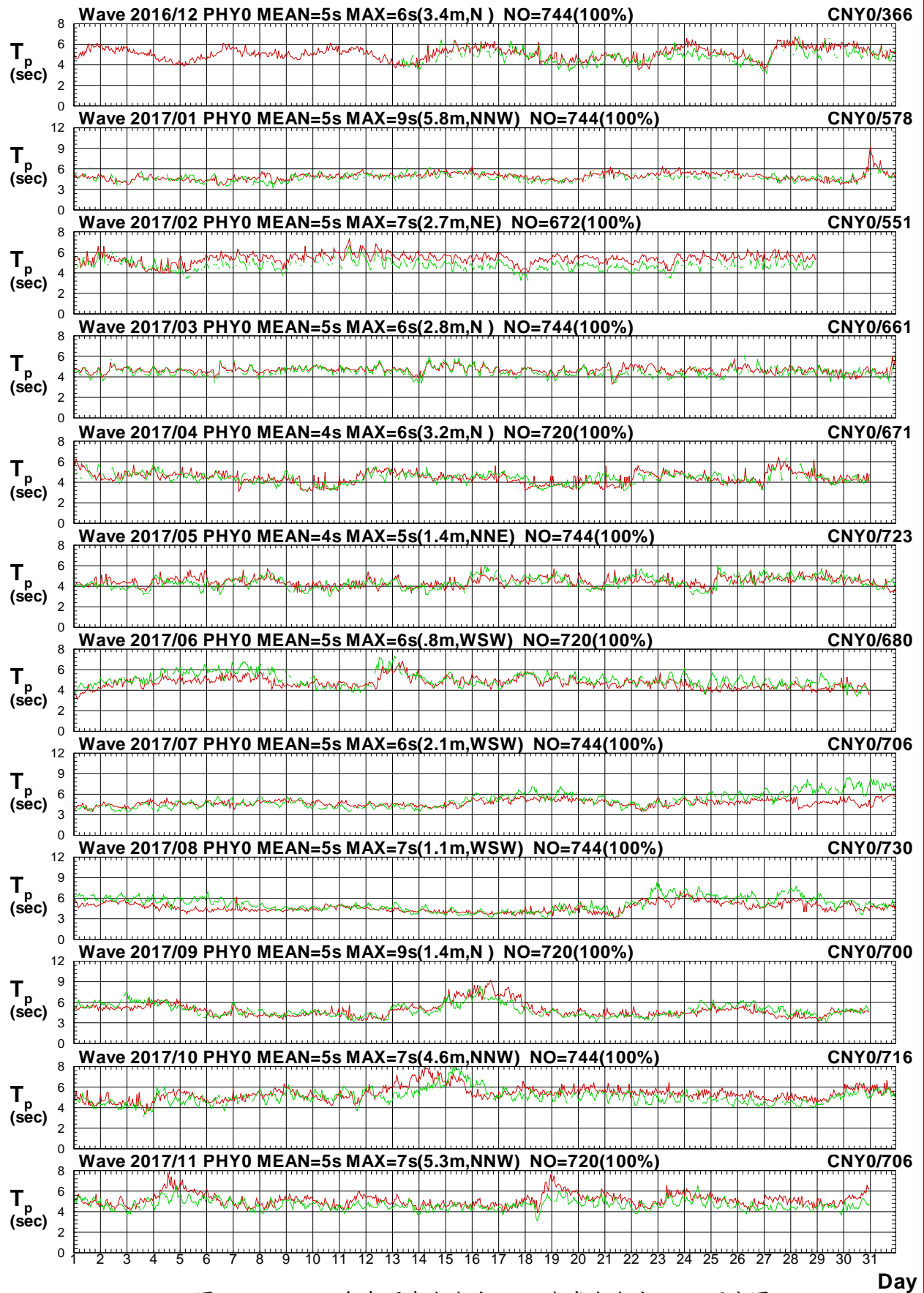


圖2.11b 2017年每月澎湖海域 Y 站與嘉南海域 Y 站週期圖

V16CPHY0.1HA V16CCNY0.1H0 V171PHY0.1HA V171CNY0.1H0 V172PHY0.1HA V172CNY0.1H0
 V173PHY0.1HA V173CNY0.1H0 V174PHY0.1HA V174CNY0.1H0 V175PHY0.1HA V175CNY0.1H0

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

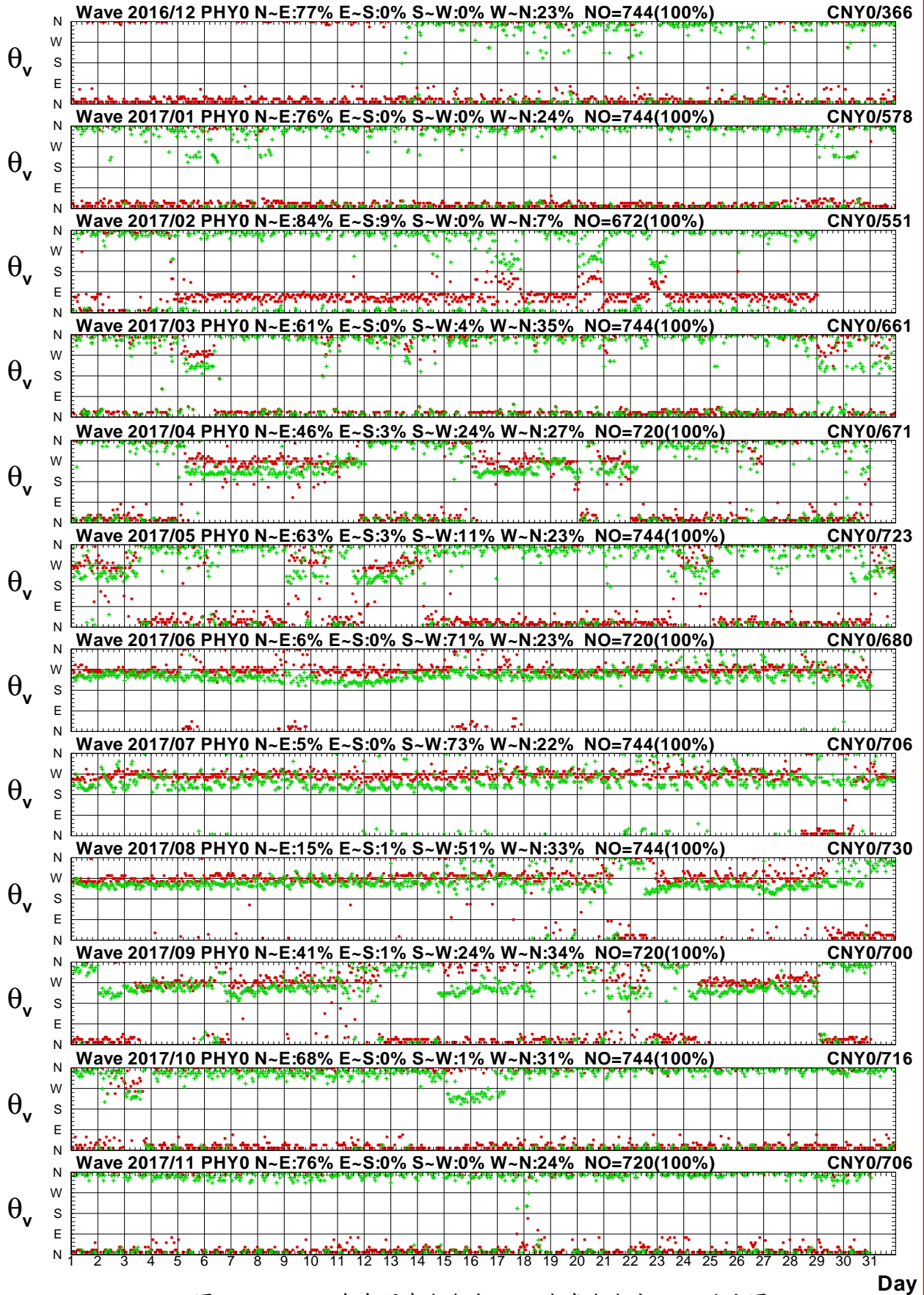


圖2.11c 2017年每月澎湖海域 Y 站與嘉南海域 Y 站波向圖

V16CPHY0.1HA V16CCNY0.1H0 V171PHY0.1HA V171CNY0.1H0 V172PHY0.1HA V172CNY0.1H0
 V173PHY0.1HA V173CNY0.1H0 V174PHY0.1HA V174CNY0.1H0 V175PHY0.1HA V175CNY0.1H0

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

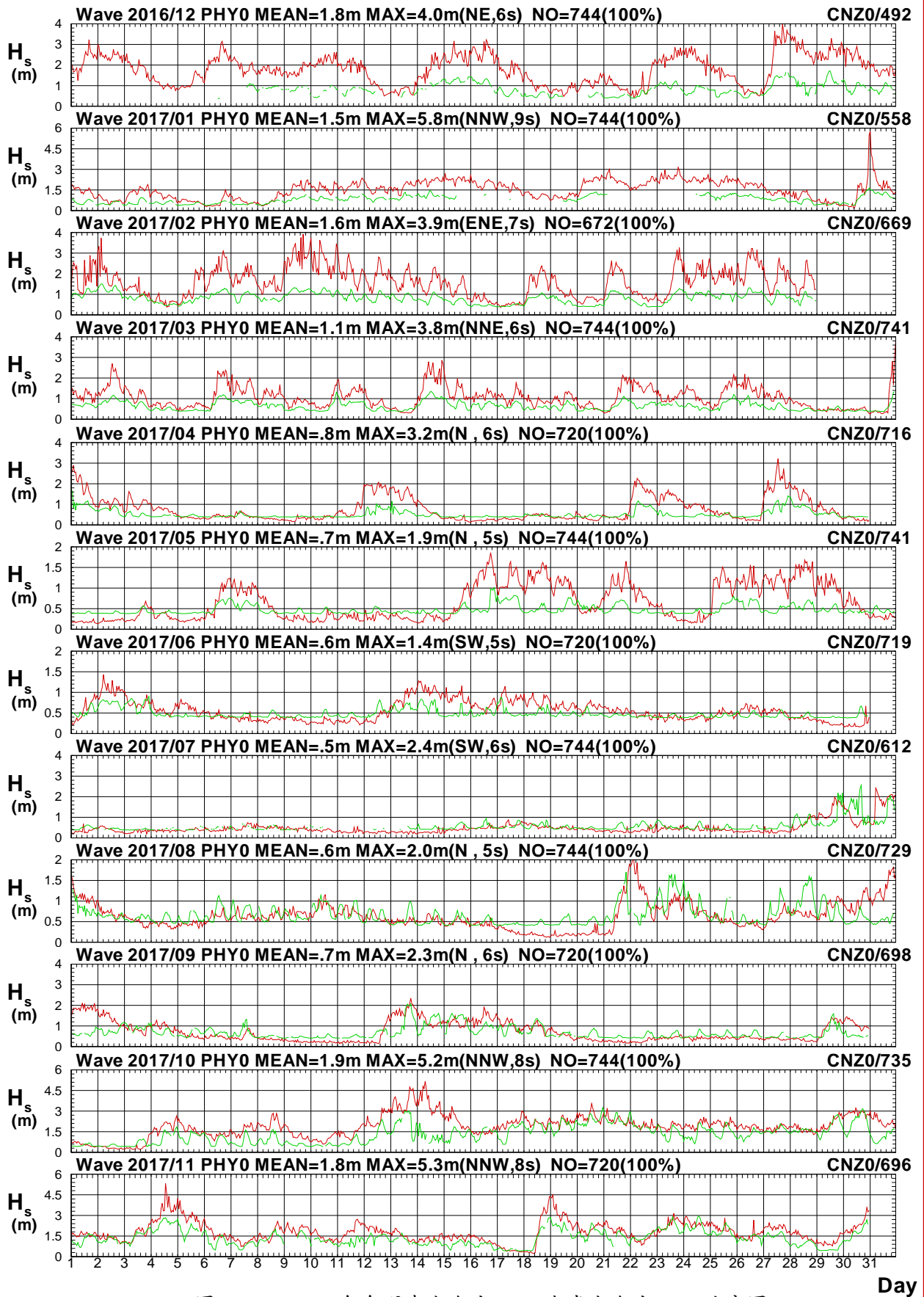


圖2.12a 2017年每月澎湖海域 Y 站與嘉南海域 Z 站波高圖

V16CPHY0.1HA V16CCNZ0.1H0 V171PHY0.1HA V171CNZ0.1H0 V172PHY0.1HA V172CNZ0.1H0
 V173PHY0.1HA V173CNZ0.1H0 V174PHY0.1HA V174CNZ0.1H0 V175PHY0.1HA V175CNZ0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

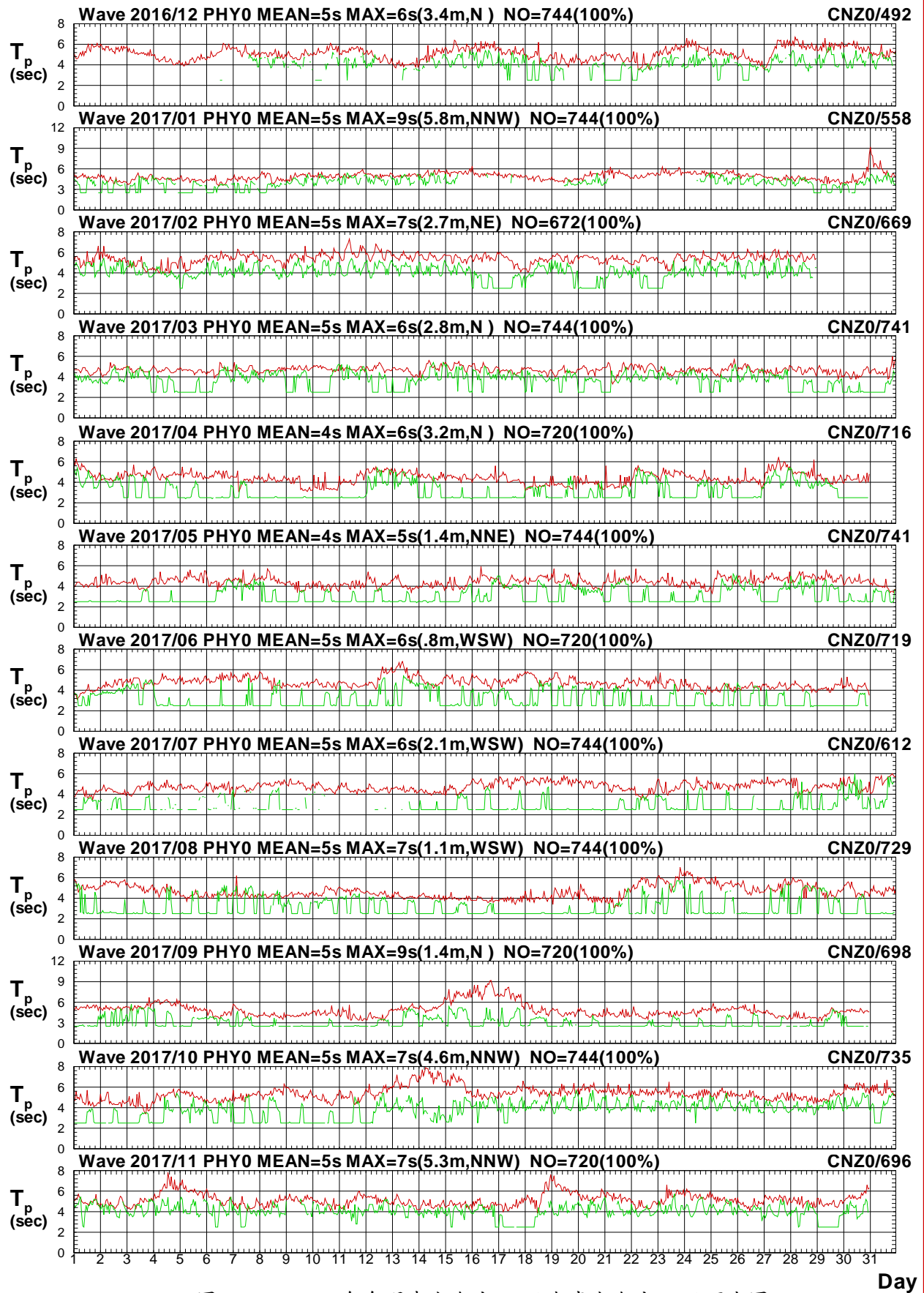


圖2.12b 2017年每月澎湖海域 Y 站與嘉南海域 Z 站週期圖

V16CPHY0.1HA V16CCNZ0.1HO V171PHY0.1HA V171CNZ0.1HO V172PHY0.1HA V172CNZ0.1HO
 V173PHY0.1HA V173CNZ0.1HO V174PHY0.1HA V174CNZ0.1HO V175PHY0.1HA V175CNZ0.1HO

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

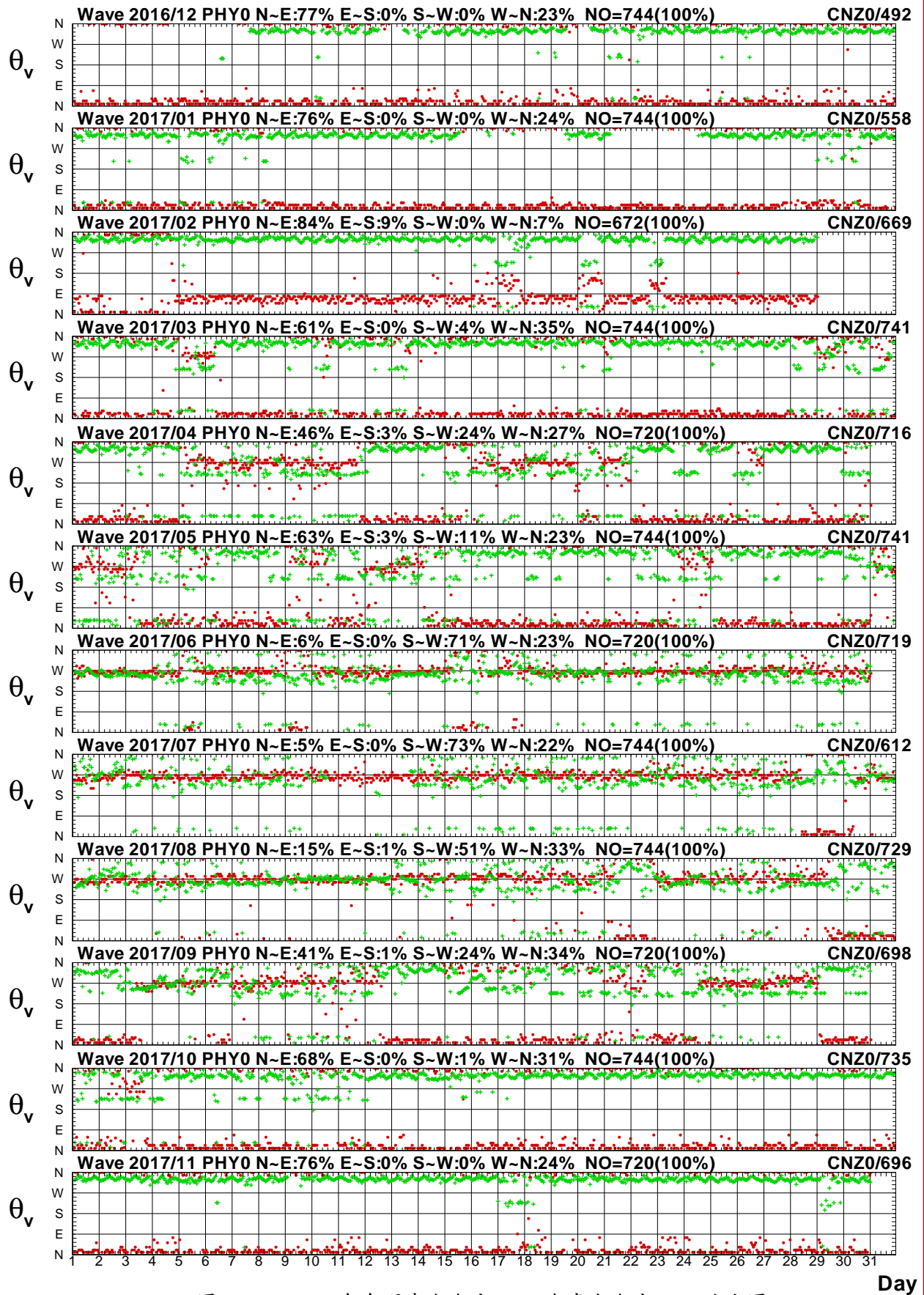


圖2.12c 2017年每月澎湖海域 Y 站與嘉南海域 Z 站波向圖

V16CPHY0.1HA V16CCNZ0.1H0 V171PHY0.1HA V171CNZ0.1H0 V172PHY0.1HA V172CNZ0.1H0
 V173PHY0.1HA V173CNZ0.1H0 V174PHY0.1HA V174CNZ0.1H0 V175PHY0.1HA V175CNZ0.1H0

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

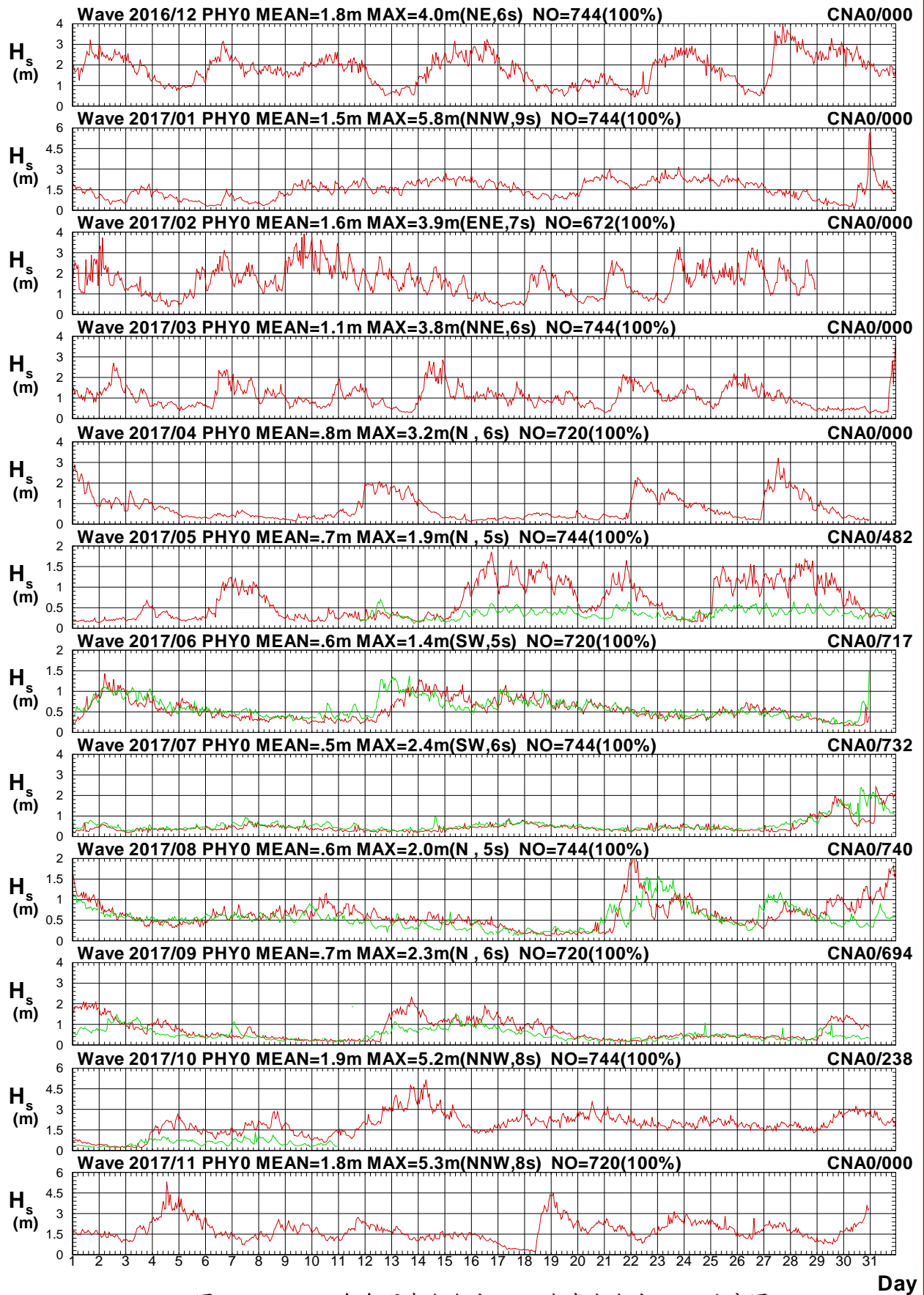


圖2.13a 2017年每月澎湖海域 Y 站與嘉南海域 A 站波高圖

V16CPHY0.1HA V16CCNA0.1H0 V171PHY0.1HA V171CNA0.1H0 V172PHY0.1HA V172CNA0.1H0
 V173PHY0.1HA V173CNA0.1H0 V174PHY0.1HA V174CNA0.1H0 V175PHY0.1HA V175CNA0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

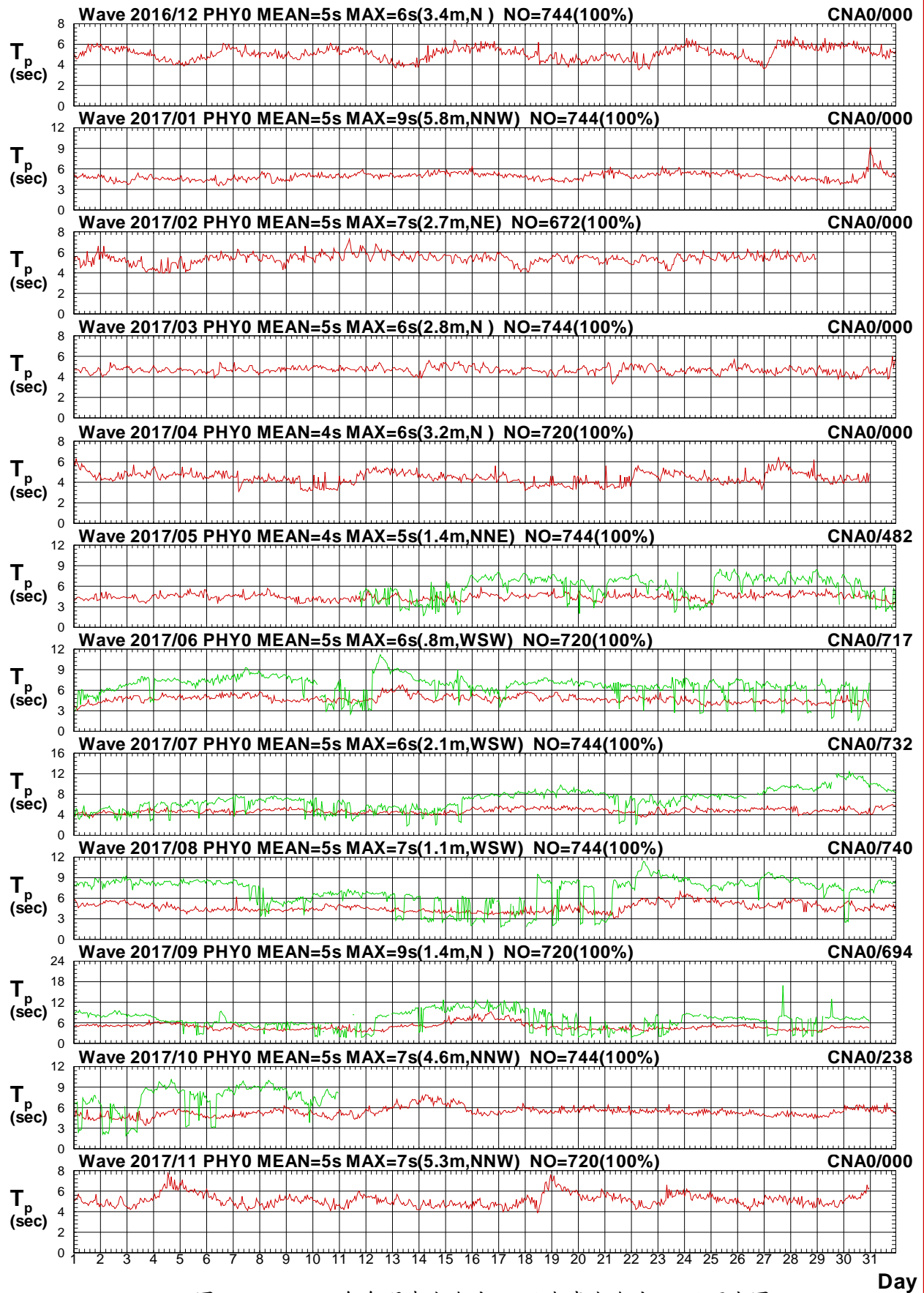


圖2.13b 2017年每月澎湖海域 Y 站與嘉南海域 A 站週期圖

V16CPHY0.1HA V16CCNA0.1H0 V171PHY0.1HA V171CNA0.1H0 V172PHY0.1HA V172CNA0.1H0
 V173PHY0.1HA V173CNA0.1H0 V174PHY0.1HA V174CNA0.1H0 V175PHY0.1HA V175CNA0.1H0

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

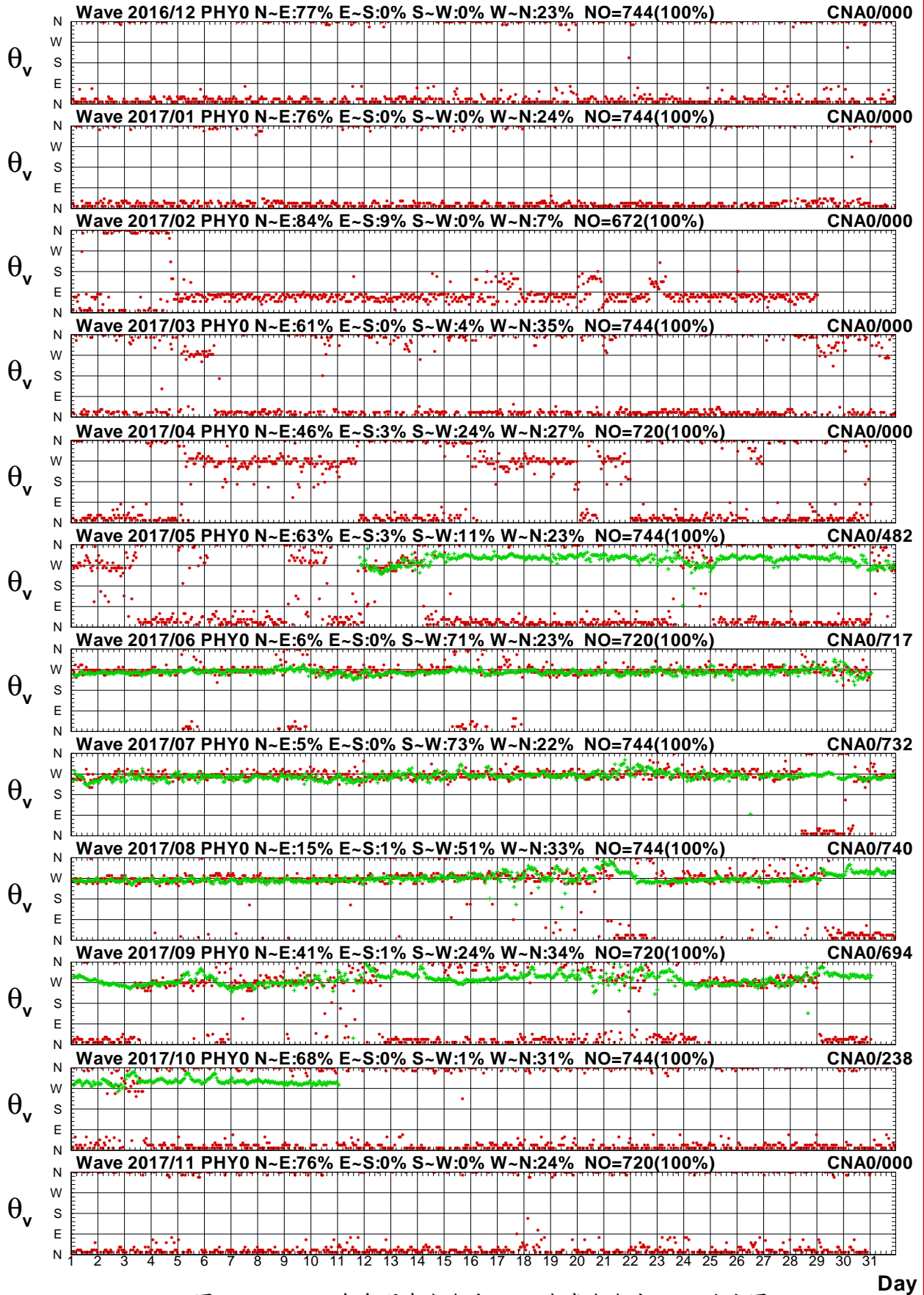


圖2.13c 2017年每月澎湖海域 Y 站與嘉南海域 A 站波向圖

V16CPHY0.1HA V16CCNA0.1H0 V171PHY0.1HA V171CNA0.1H0 V172PHY0.1HA V172CNA0.1H0
 V173PHY0.1HA V173CNA0.1H0 V174PHY0.1HA V174CNA0.1H0 V175PHY0.1HA V175CNA0.1H0

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

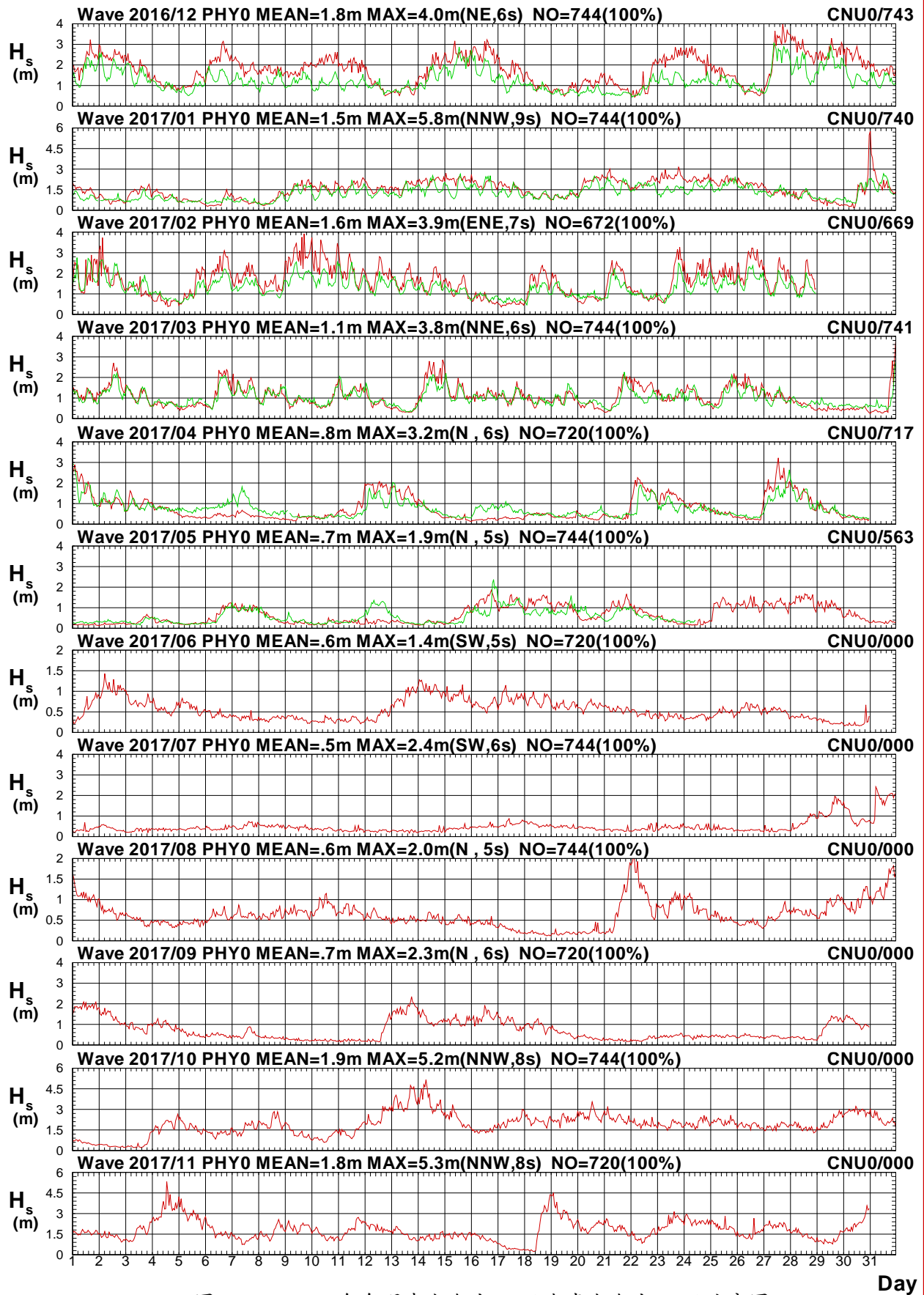


圖2.14a 2017年每月澎湖海域 Y 站與嘉南海域 U 站波高圖

V16CPHY0.1HA V16CCNU0.1H0 V171PHY0.1HA V171CNU0.1H0 V172PHY0.1HA V172CNU0.1H0
 V173PHY0.1HA V173CNU0.1H0 V174PHY0.1HA V174CNU0.1H0 V175PHY0.1HA V175CNU0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

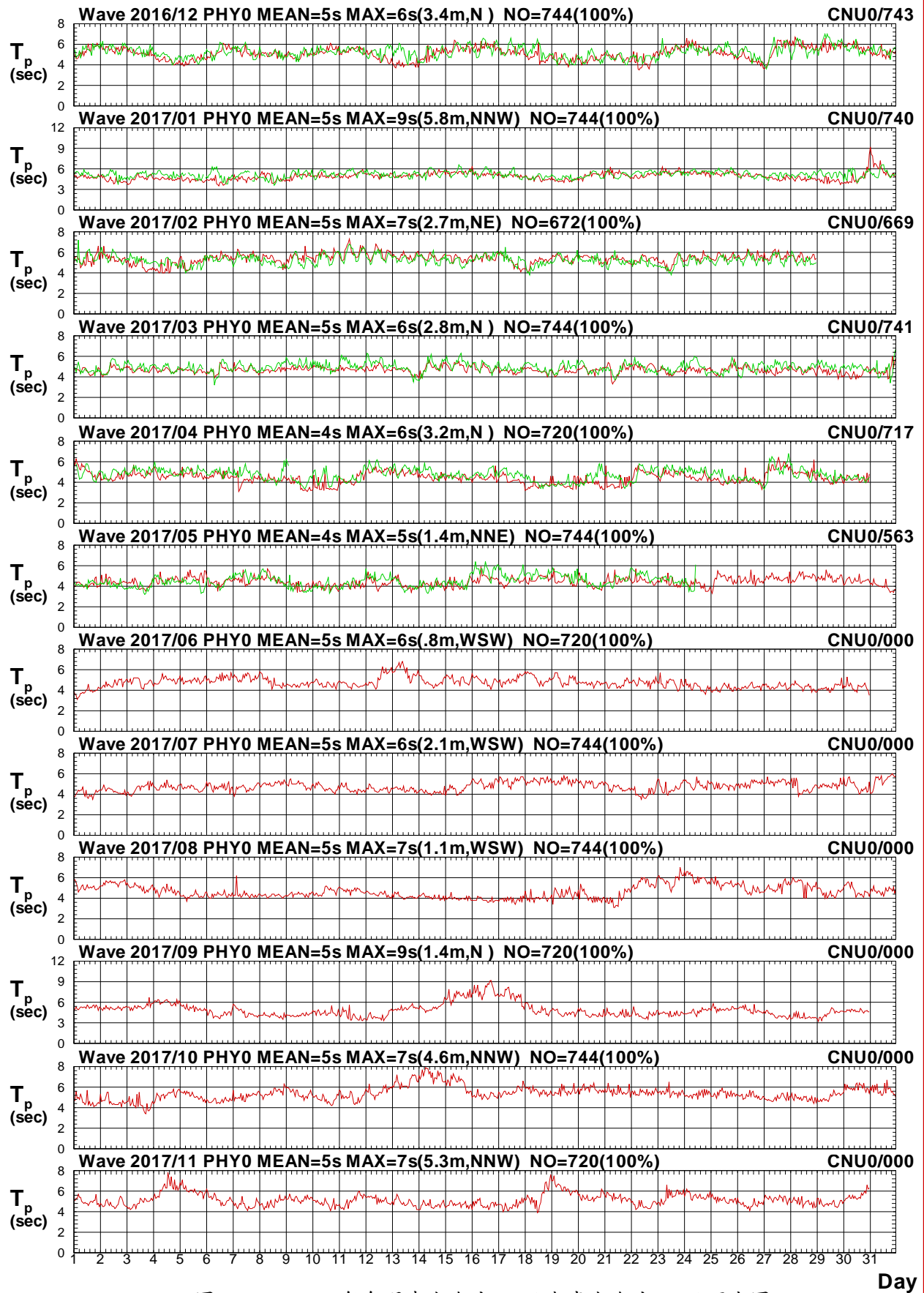


圖2.14b 2017年每月澎湖海域 Y 站與嘉南海域 U 站週期圖

V16CPHY0.1HA V16CCNU0.1H0 V171PHY0.1HA V171CNU0.1H0 V172PHY0.1HA V172CNU0.1H0
 V173PHY0.1HA V173CNU0.1H0 V174PHY0.1HA V174CNU0.1H0 V175PHY0.1HA V175CNU0.1H0

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

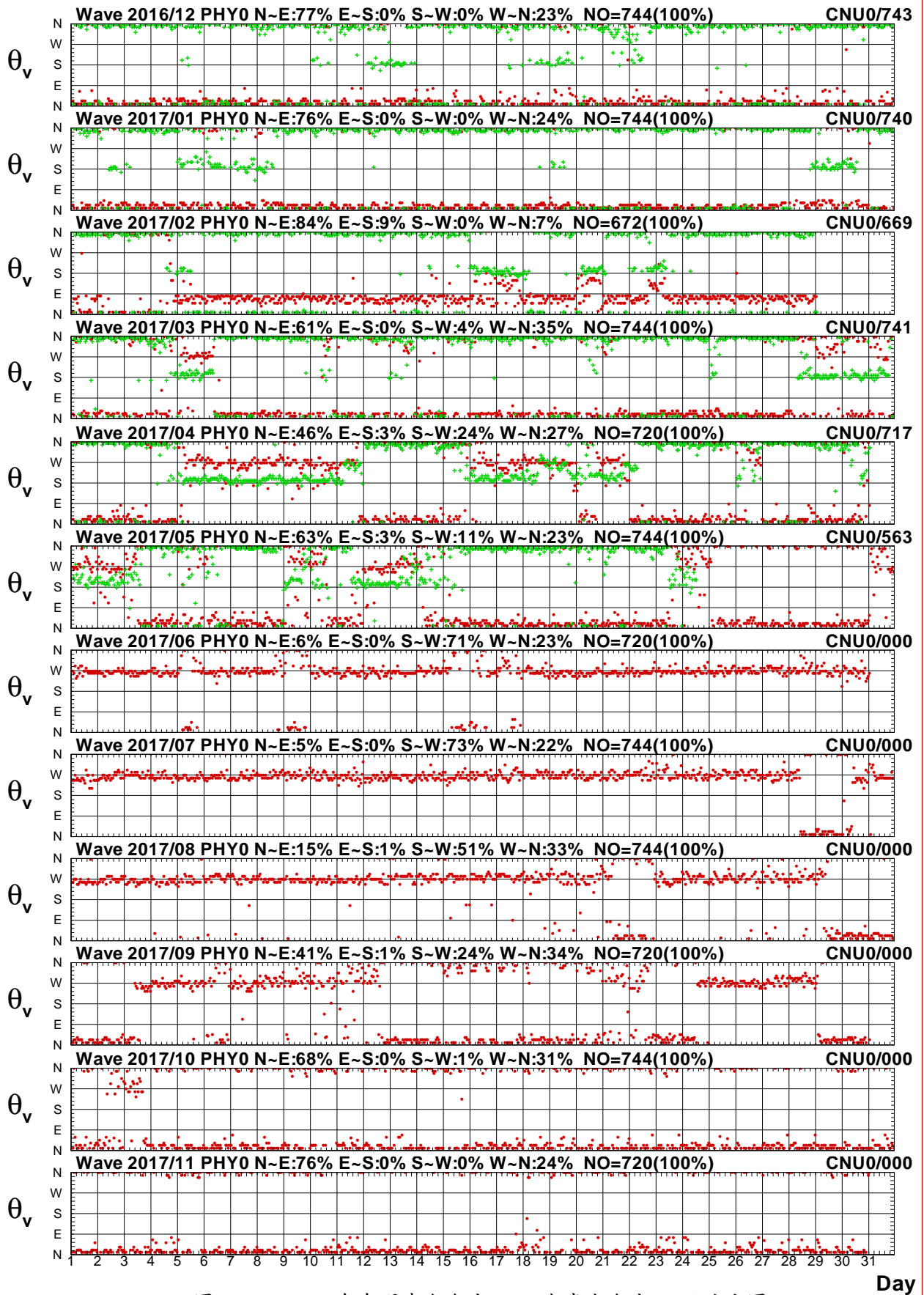


圖2.14c 2017年每月澎湖海域 Y 站與嘉南海域 U 站波向圖

V16CPHY0.1HA V16CCNU0.1H0 V171PHY0.1HA V171CNU0.1H0 V172PHY0.1HA V172CNU0.1H0
 V173PHY0.1HA V173CNU0.1H0 V174PHY0.1HA V174CNU0.1H0 V175PHY0.1HA V175CNU0.1H0

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Wave H_s in Peng-Hu Seas of PHY0 at 2017

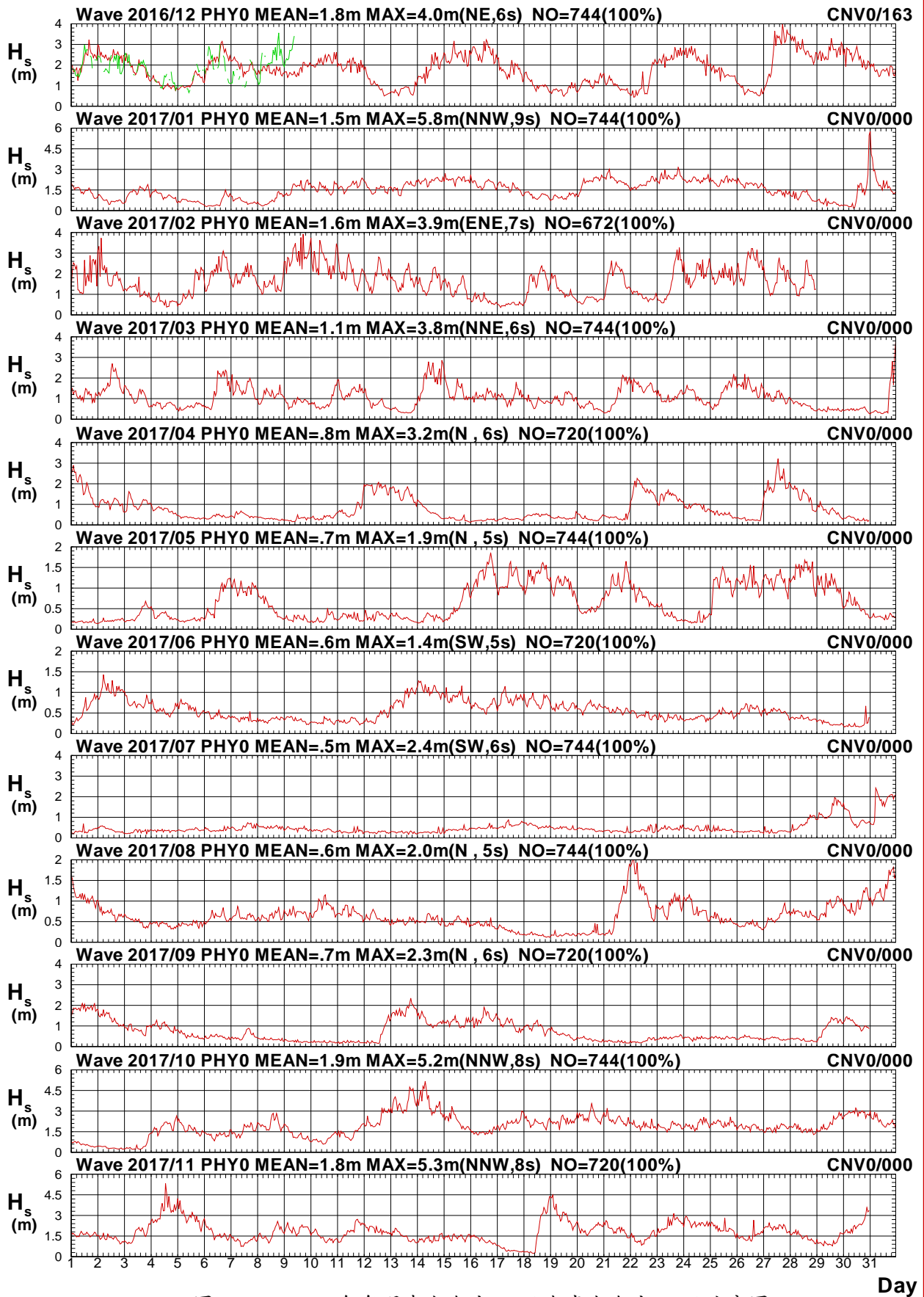


圖2.15a 2017年每月澎湖海域 Y 站與嘉南海域 V 站波高圖

V16CPHY0.1HA V16CCNV0.1H0 V171PHY0.1HA V171CNV0.1H0 V172PHY0.1HA V172CNV0.1H0
 V173PHY0.1HA V173CNV0.1H0 V174PHY0.1HA V174CNV0.1H0 V175PHY0.1HA V175CNV0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2017

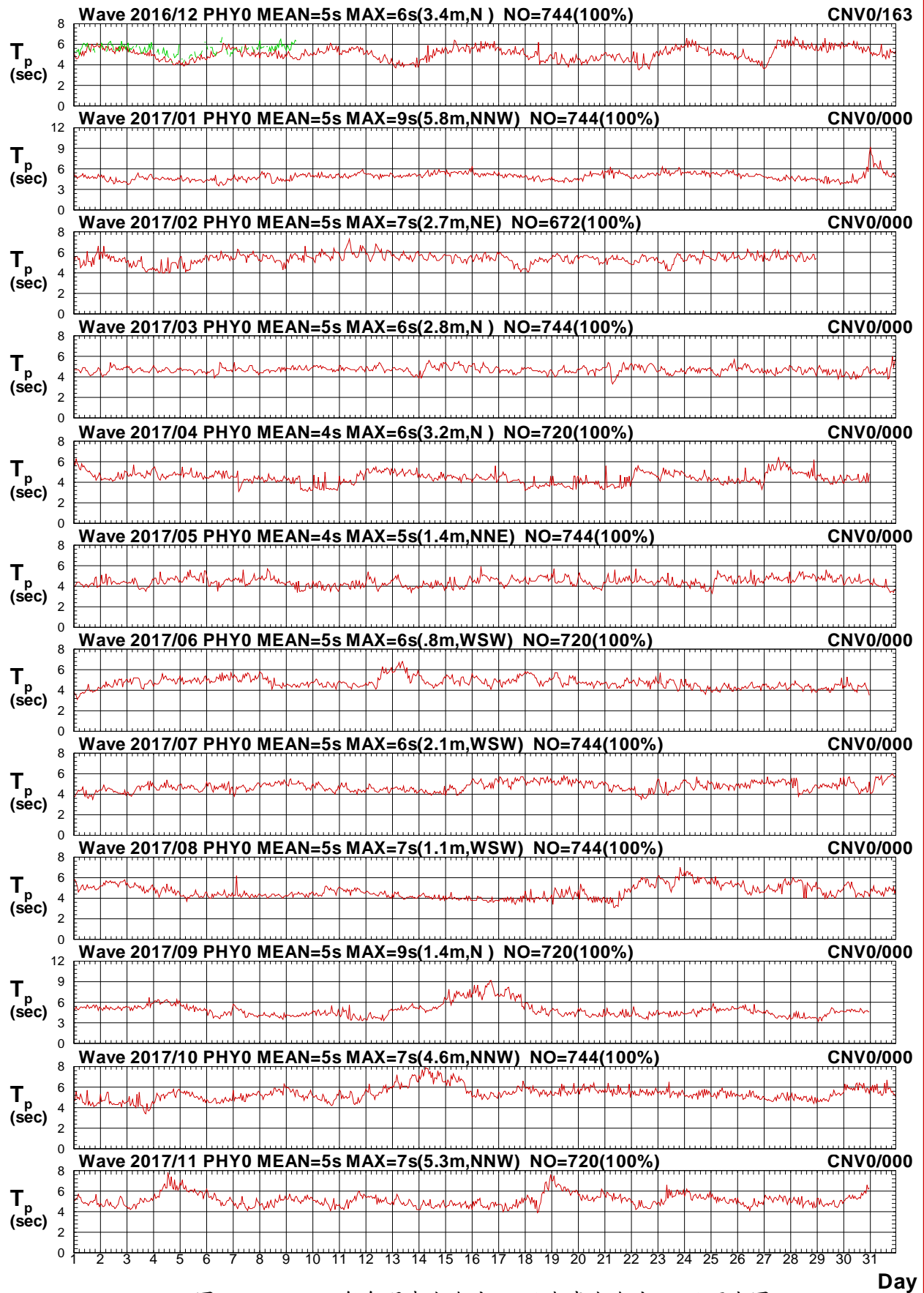


圖2.15b 2017年每月澎湖海域 Y 站與嘉南海域 V 站週期圖

V16CPHY0.1HA V16CCNV0.1H0 V171PHY0.1HA V171CNV0.1H0 V172PHY0.1HA V172CNV0.1H0
 V173PHY0.1HA V173CNV0.1H0 V174PHY0.1HA V174CNV0.1H0 V175PHY0.1HA V175CNV0.1H0

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Wave Direction in Peng-Hu Seas of PHY0 at 2017

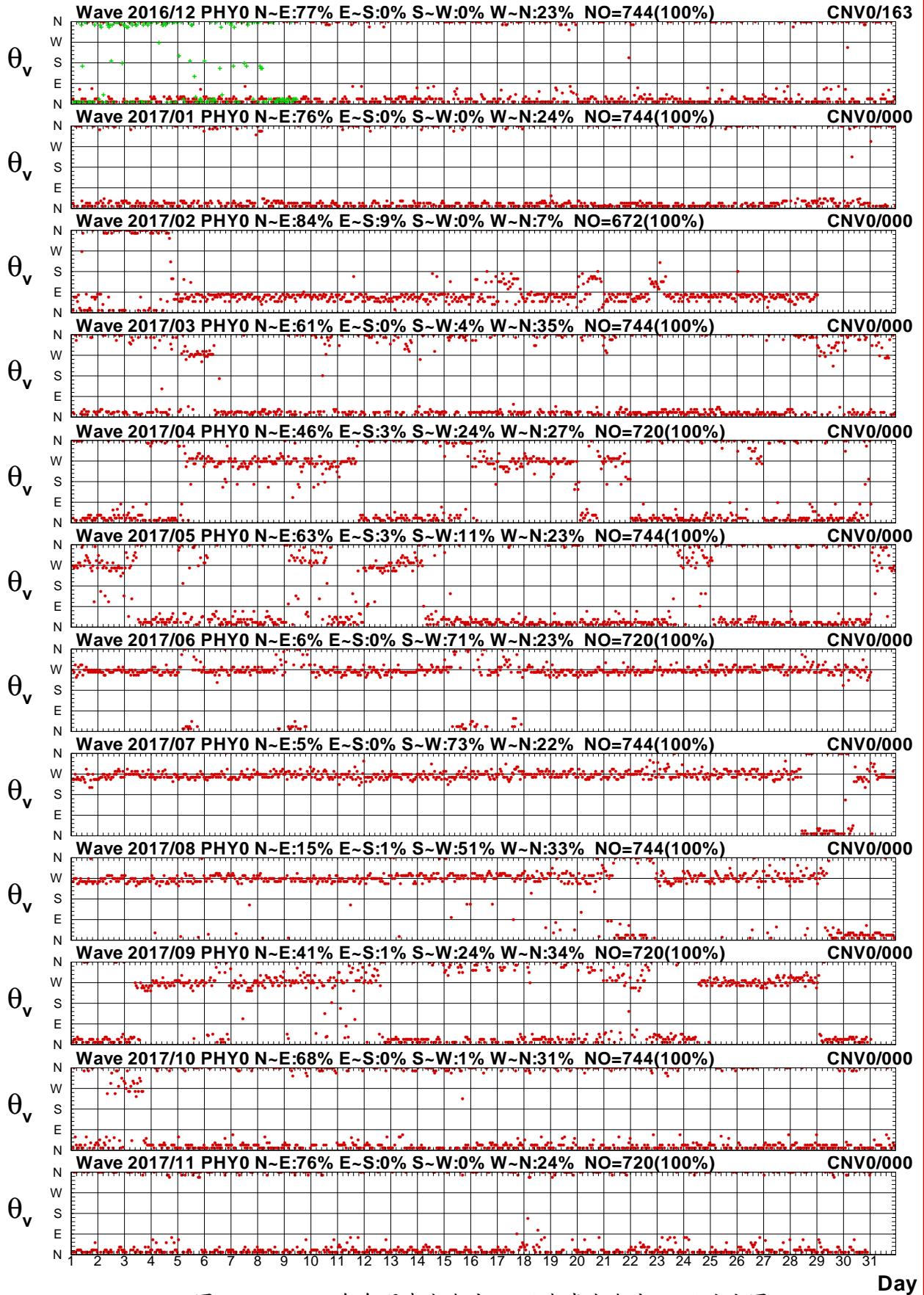


圖2.15c 2017年每月澎湖海域 Y 站與嘉南海域 V 站波向圖

V16CPHY0.1HA V16CCNV0.1H0 V171PHY0.1HA V171CNV0.1H0 V172PHY0.1HA V172CNV0.1H0
 V173PHY0.1HA V173CNV0.1H0 V174PHY0.1HA V174CNV0.1H0 V175PHY0.1HA V175CNV0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

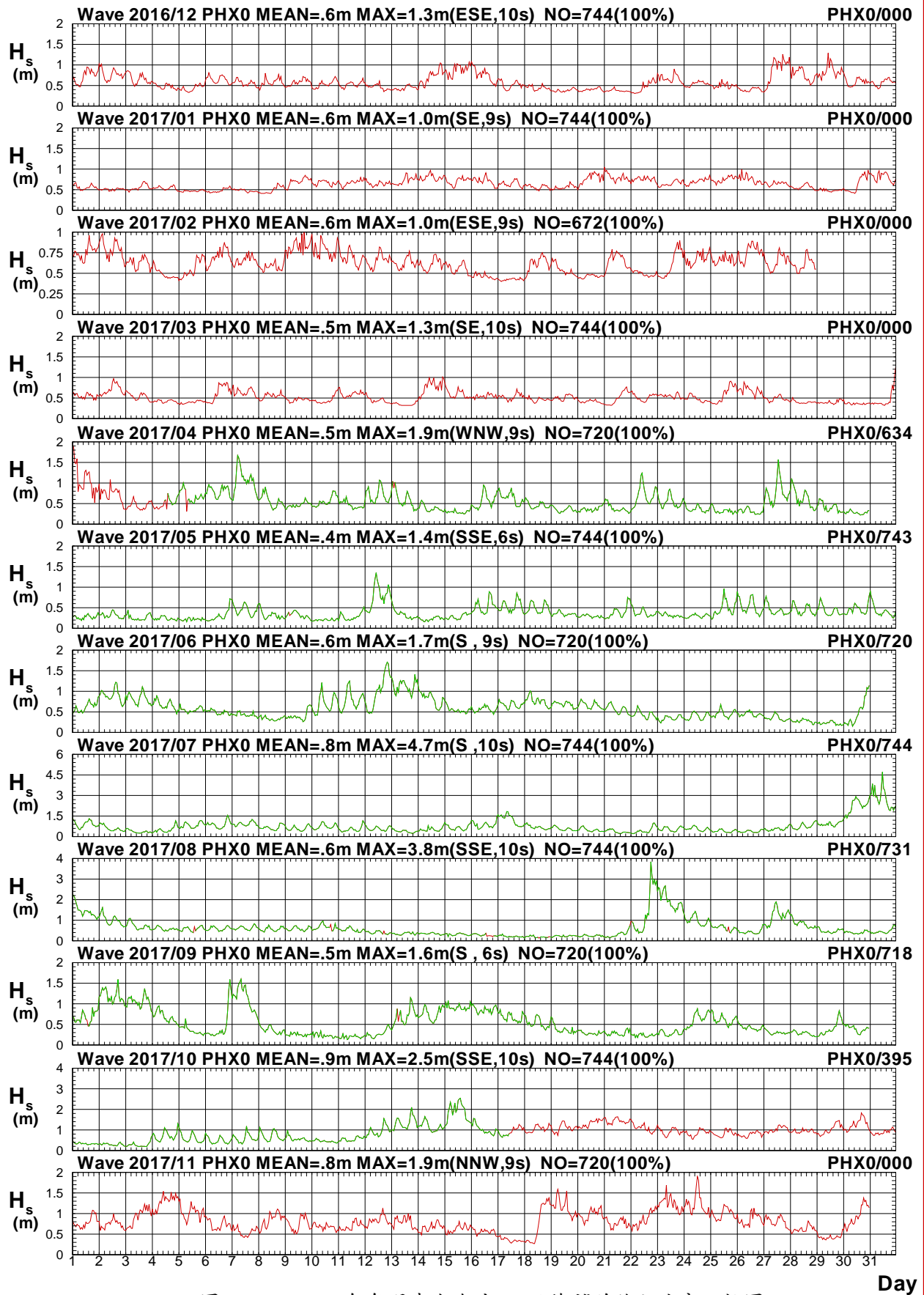


圖2.16a 2017年每月澎湖海域 X 站修補前後之波高比較圖

V16CPHX0.1HA V16CPHX0.1HO V171PHX0.1HA V171PHX0.1HO V172PHX0.1HA V172PHX0.1HO
 V173PHX0.1HA V173PHX0.1HO V174PHX0.1HA V174PHX0.1HO V175PHX0.1HA V175PHX0.1HO

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

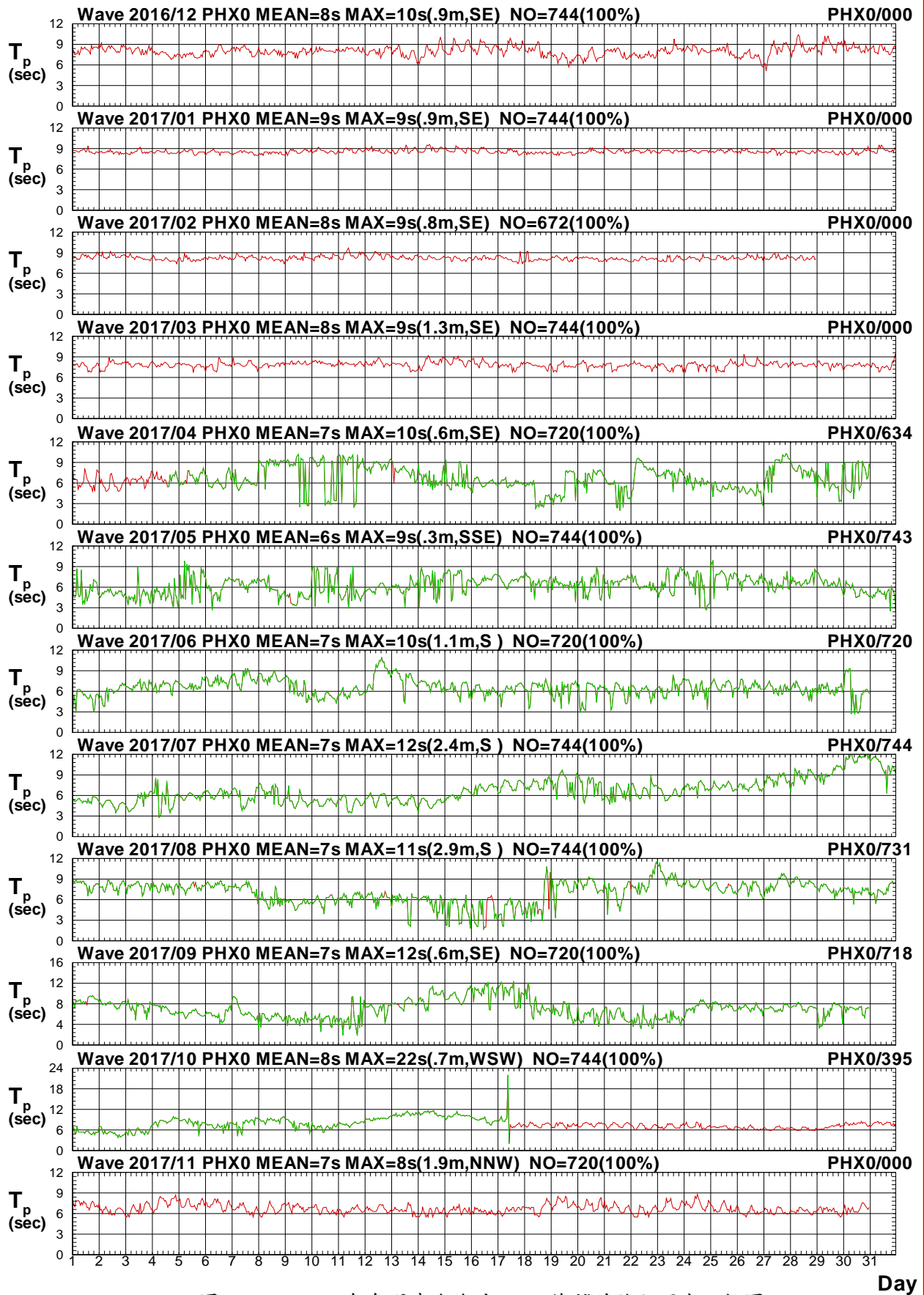


圖2.16b 2017年每月澎湖海域 X 站修補前後之週期比較圖

V16CPHX0.1HA V16CPHX0.1H0 V171PHX0.1HA V171PHX0.1H0 V172PHX0.1HA V172PHX0.1H0
 V173PHX0.1HA V173PHX0.1H0 V174PHX0.1HA V174PHX0.1H0 V175PHX0.1HA V175PHX0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

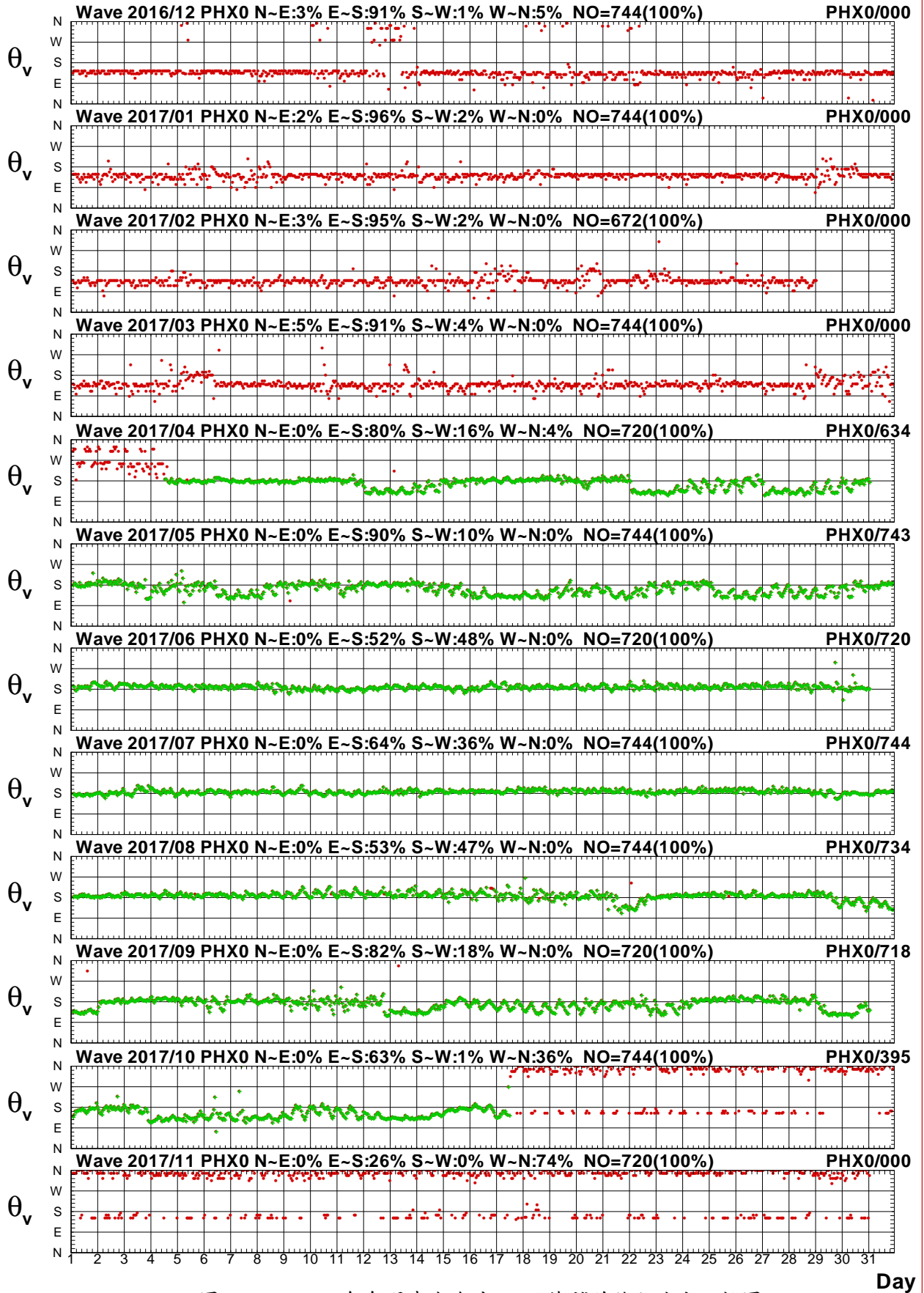


圖2.16c 2017年每月澎湖海域 X 站修補前後之波向比較圖

V16CPHX0.1HA V16CPHX0.1HO V171PHX0.1HA V171PHX0.1HO V172PHX0.1HA V172PHX0.1HO
 V173PHX0.1HA V173PHX0.1HO V174PHX0.1HA V174PHX0.1HO V175PHX0.1HA V175PHX0.1HO

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

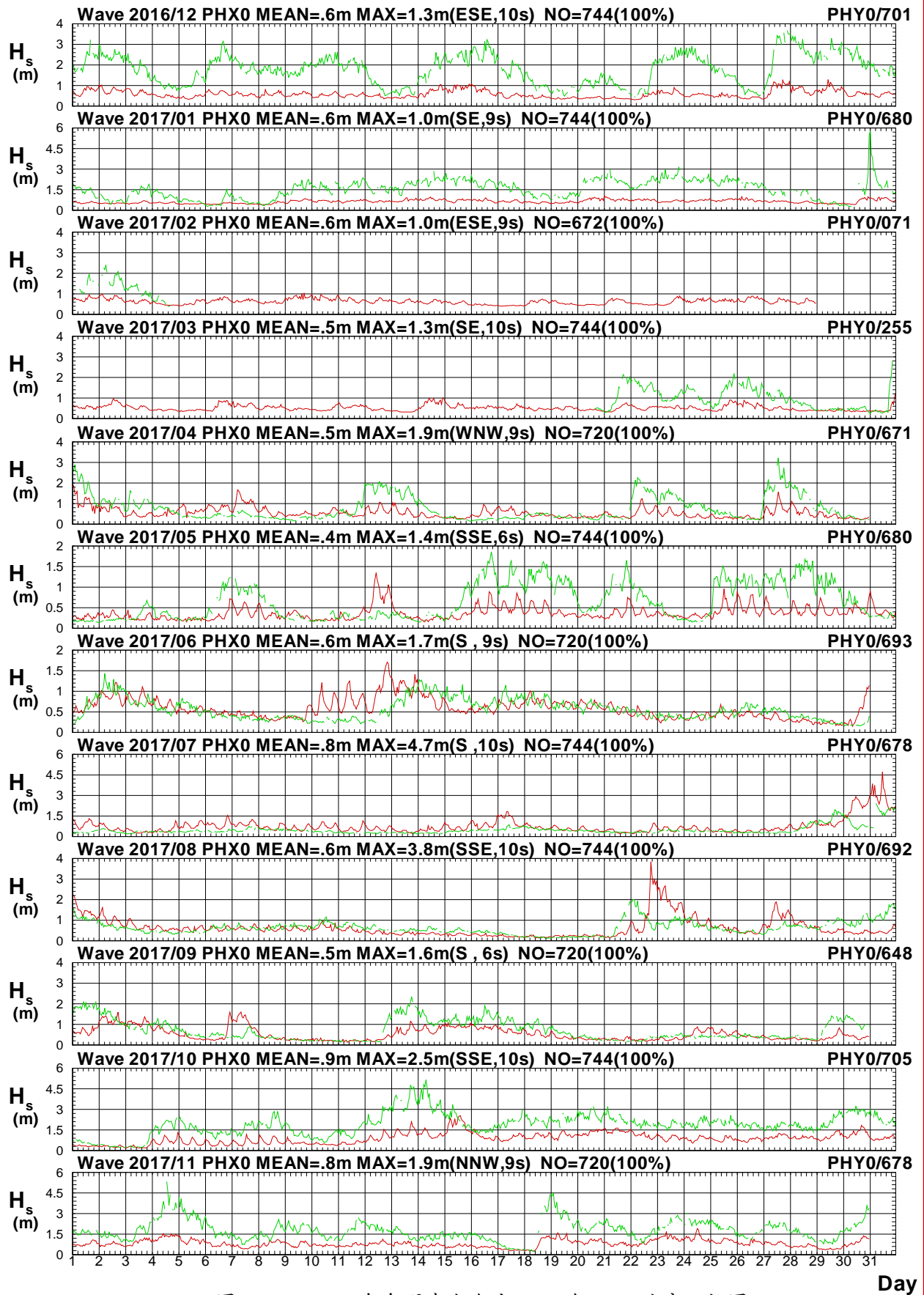


圖2.17a 2017年每月澎湖海域 X 站與 Y 站波高比較圖

V16CPHX0.1HA V16CPHY0.1H0 V171PHX0.1HA V171PHY0.1H0 V172PHX0.1HA V172PHY0.1H0
 V173PHX0.1HA V173PHY0.1H0 V174PHX0.1HA V174PHY0.1H0 V175PHX0.1HA V175PHY0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

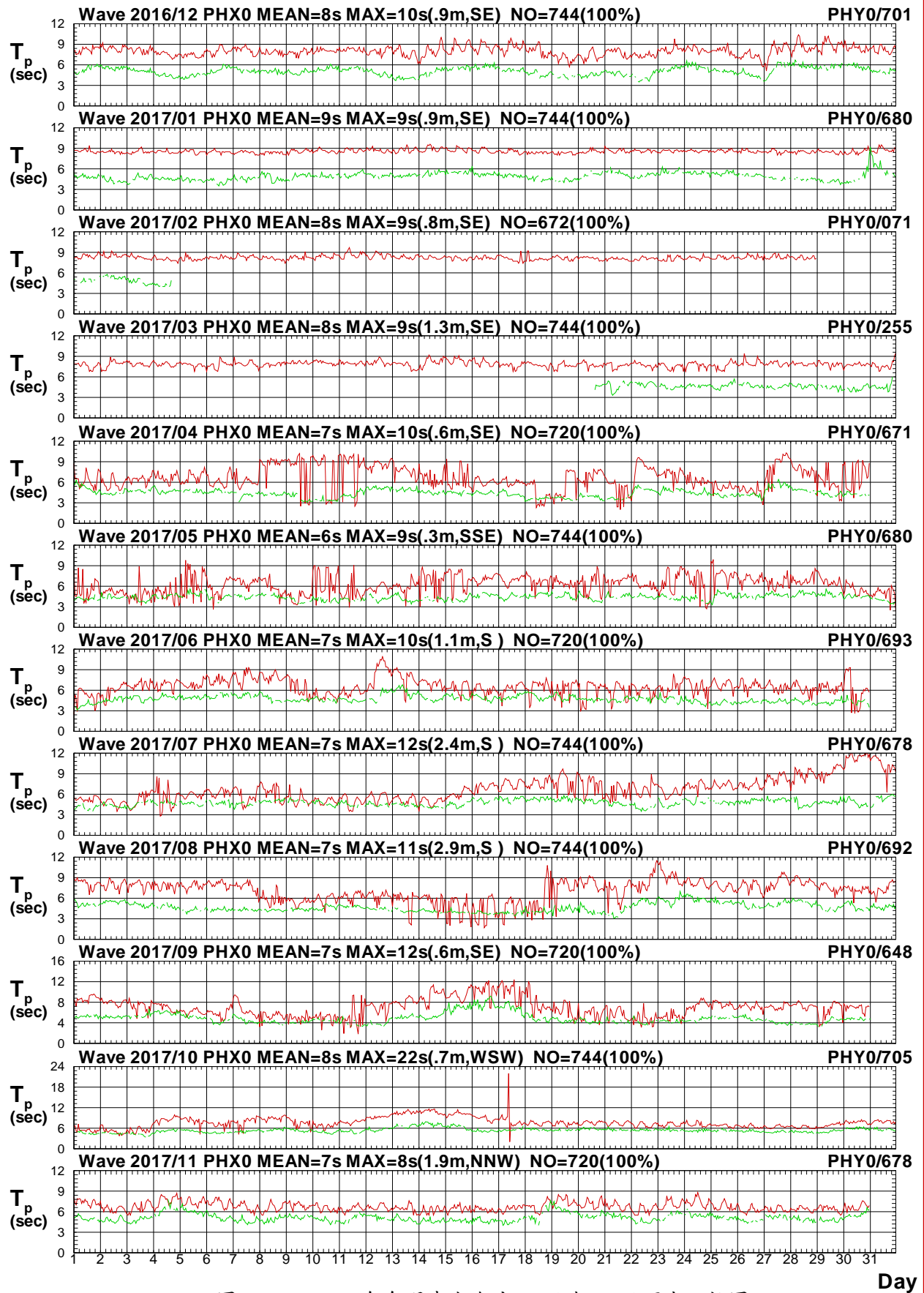


圖2.17b 2017年每月澎湖海域 X 站與 Y 站週期比較圖

V16CPHX0.1HA V16CPHY0.1H0 V171PHX0.1HA V171PHY0.1H0 V172PHX0.1HA V172PHY0.1H0
 V173PHX0.1HA V173PHY0.1H0 V174PHX0.1HA V174PHY0.1H0 V175PHX0.1HA V175PHY0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

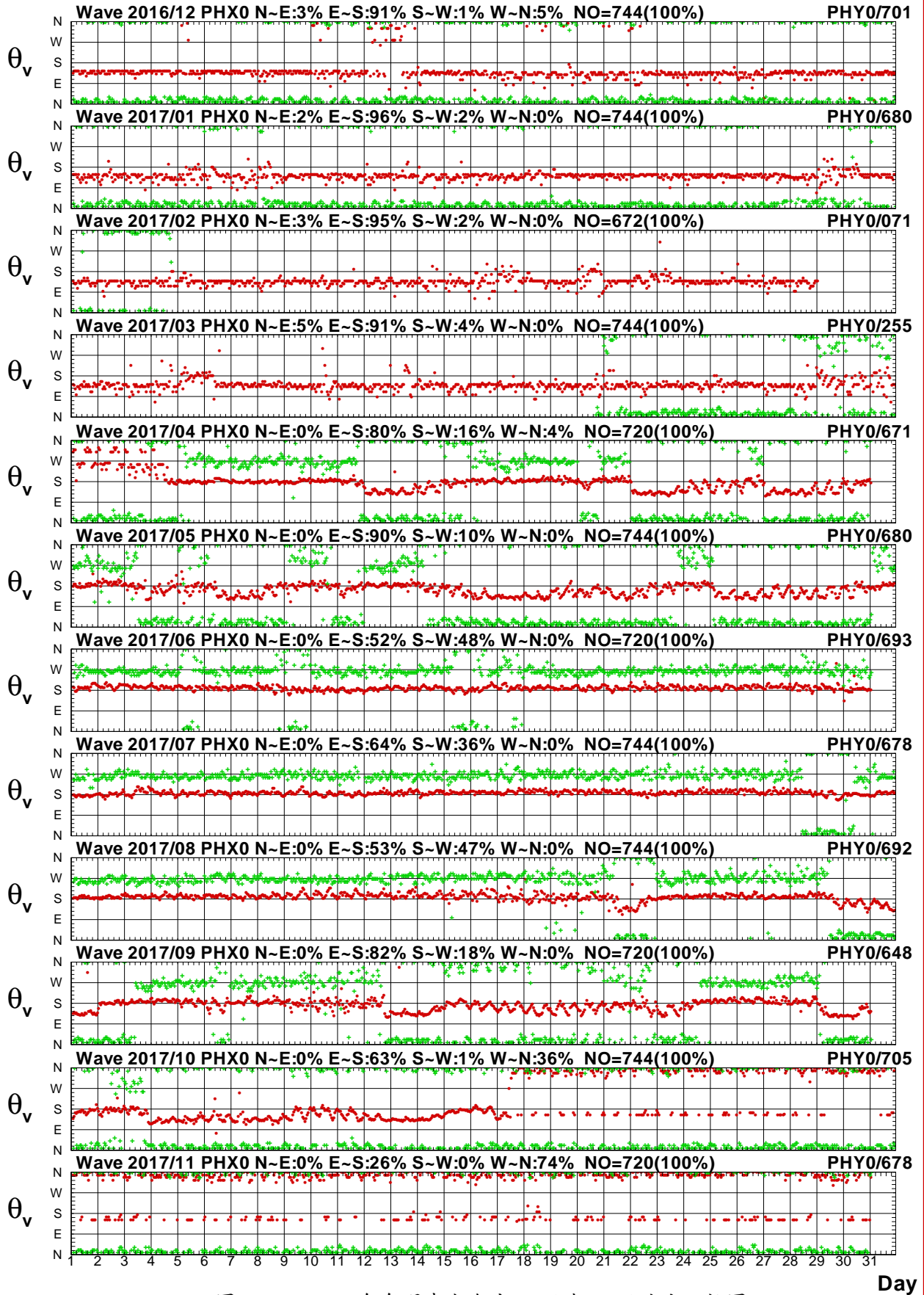


圖2.17c 2017年每月澎湖海域 X 站與 Y 站波向比較圖

V16CPHX0.1HA V16CPHY0.1H0 V171PHX0.1HA V171PHY0.1H0 V172PHX0.1HA V172PHY0.1H0
 V173PHX0.1HA V173PHY0.1H0 V174PHX0.1HA V174PHY0.1H0 V175PHX0.1HA V175PHY0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

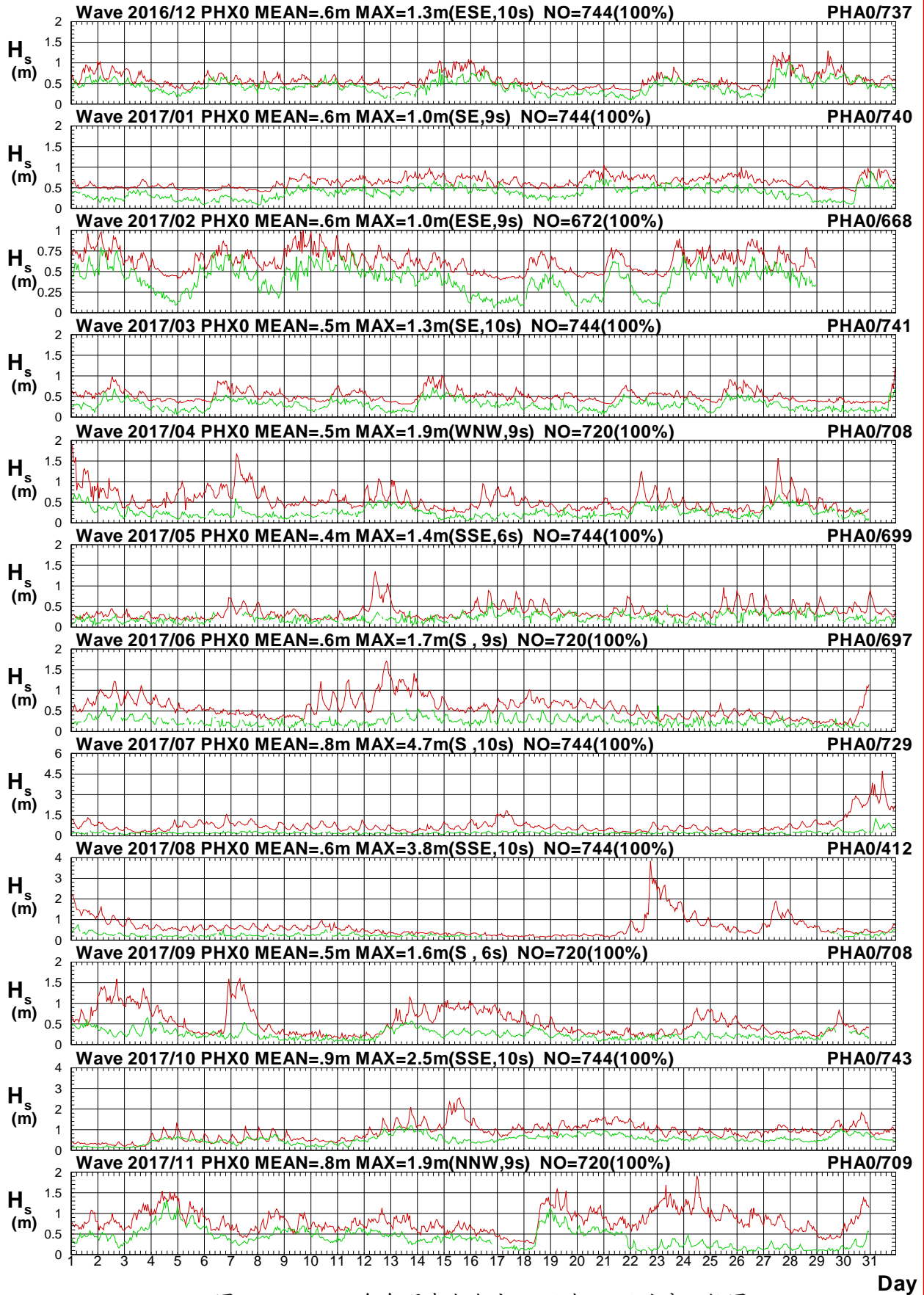


圖2.18a 2017年每月澎湖海域 X 站與 A 站波高比較圖

V16CPHX0.1HA V16CPHA0.1H0 V171PHX0.1HA V171PHA0.1H0 V172PHX0.1HA V172PHA0.1H0
 V173PHX0.1HA V173PHA0.1H0 V174PHX0.1HA V174PHA0.1H0 V175PHX0.1HA V175PHA0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

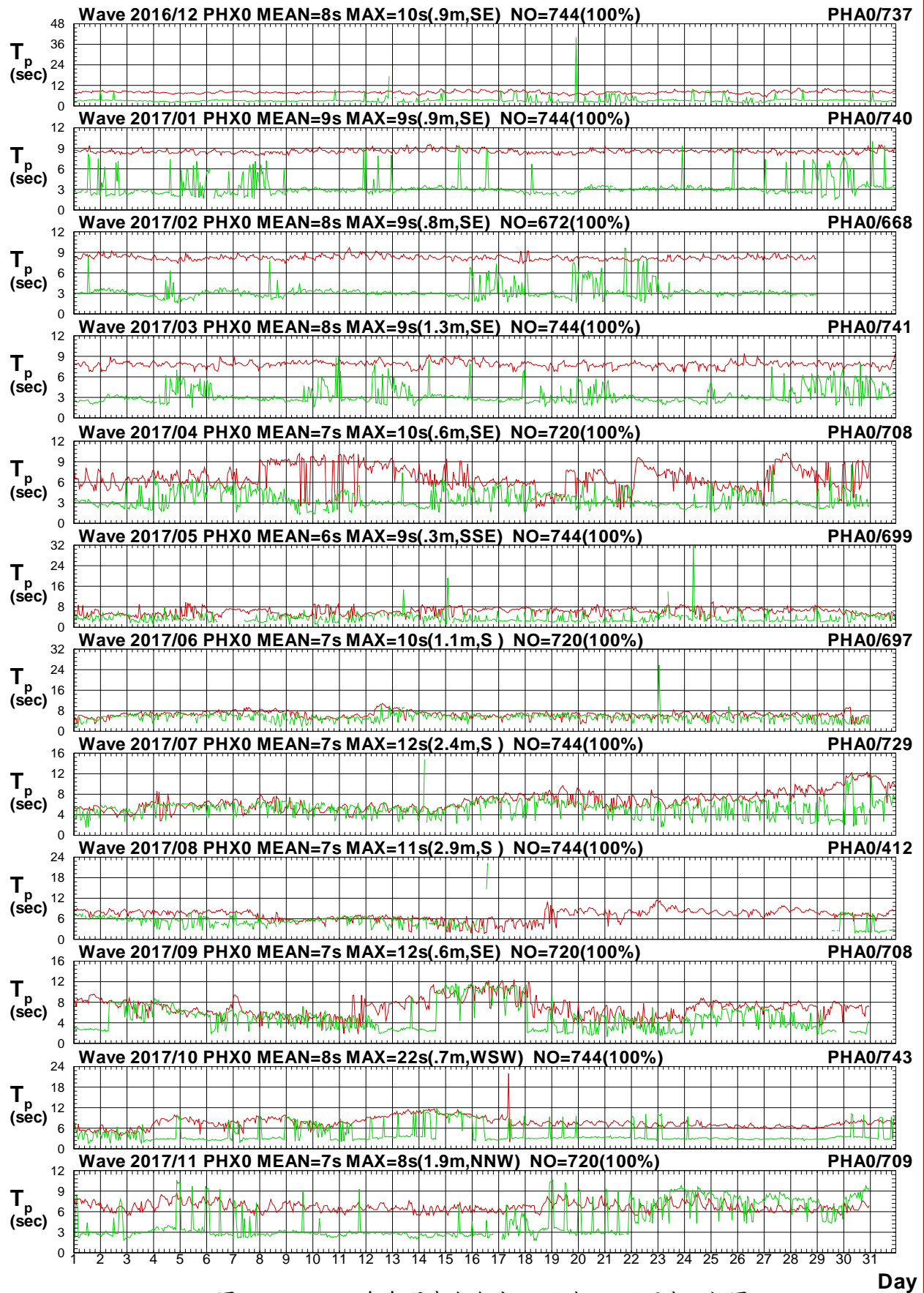


圖2.18b 2017年每月澎湖海域 X 站與 A 站週期比較圖

V16CPHX0.1HA V16CPHA0.1H0 V171PHX0.1HA V171PHA0.1H0 V172PHX0.1HA V172PHA0.1H0
 V173PHX0.1HA V173PHA0.1H0 V174PHX0.1HA V174PHA0.1H0 V175PHX0.1HA V175PHA0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

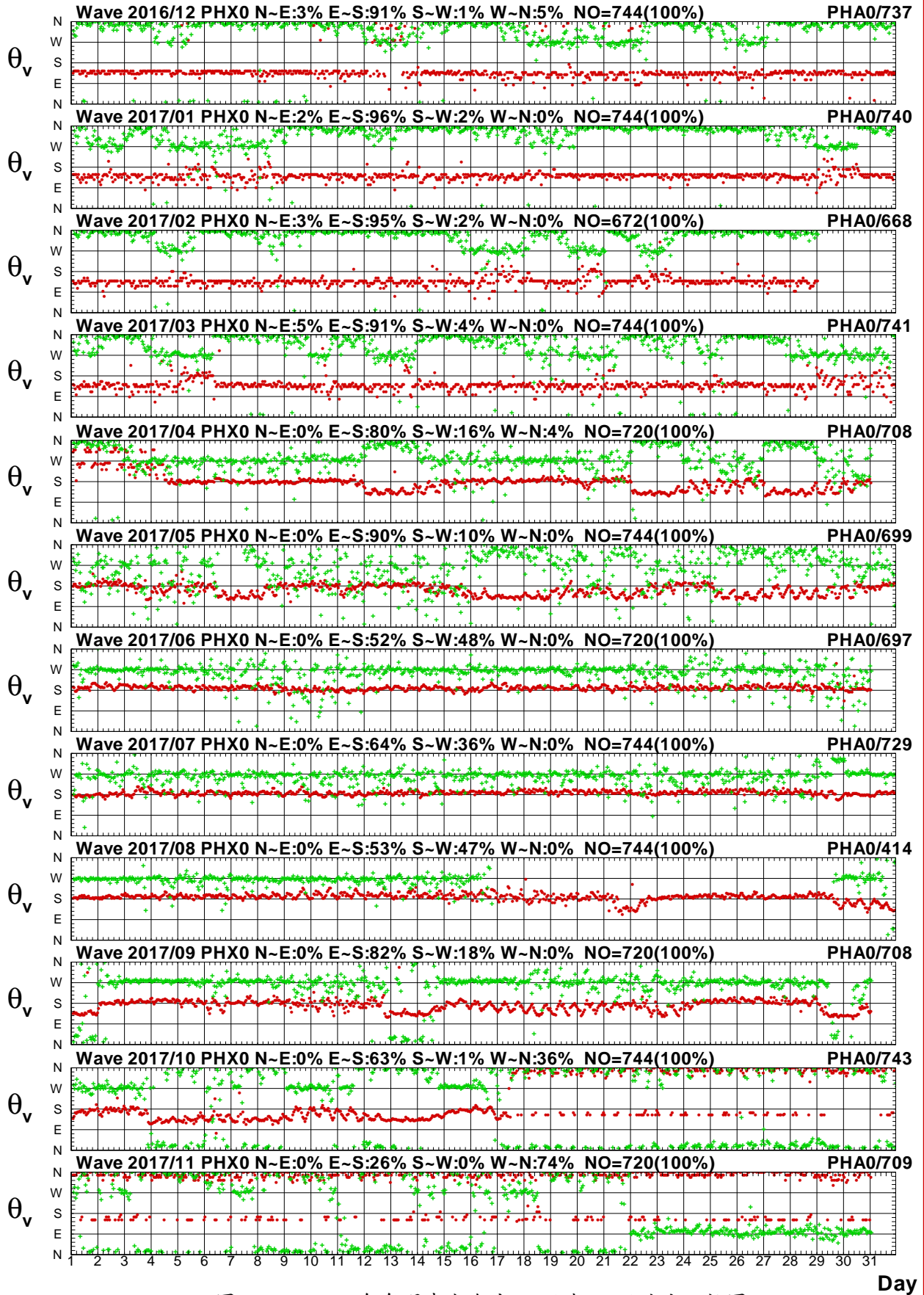


圖2.18c 2017年每月澎湖海域 X 站與 A 站波向比較圖

V16CPHX0.1HA V16CPHA0.1H0 V171PHX0.1HA V171PHA0.1H0 V172PHX0.1HA V172PHA0.1H0
 V173PHX0.1HA V173PHA0.1H0 V174PHX0.1HA V174PHA0.1H0 V175PHX0.1HA V175PHA0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

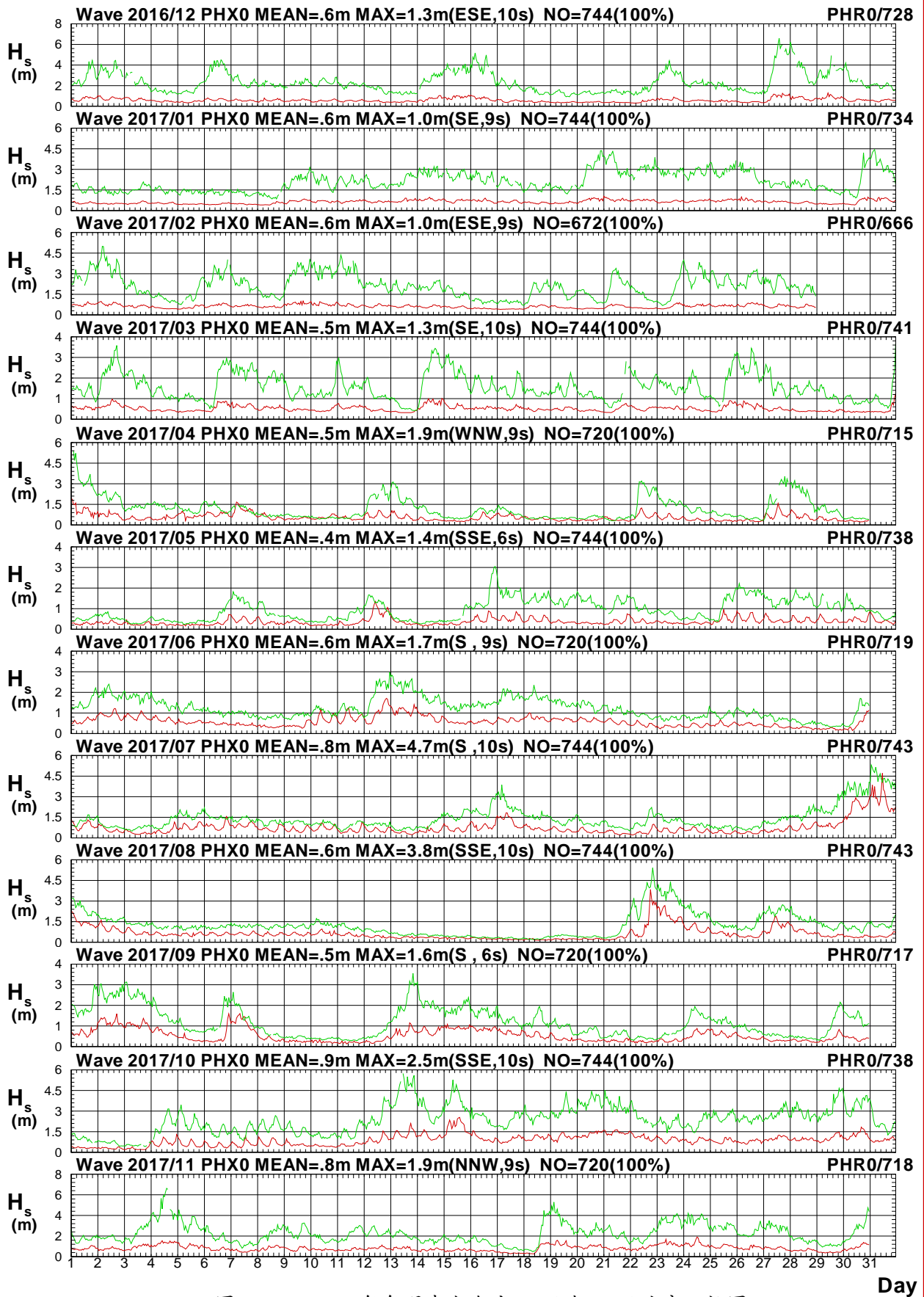


圖2.19a 2017年每月澎湖海域 X 站與 R 站波高比較圖

V16CPHX0.1HA V16CPHR0.1H0 V171PHX0.1HA V171PHR0.1H0 V172PHX0.1HA V172PHR0.1H0
 V173PHX0.1HA V173PHR0.1H0 V174PHX0.1HA V174PHR0.1H0 V175PHX0.1HA V175PHR0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

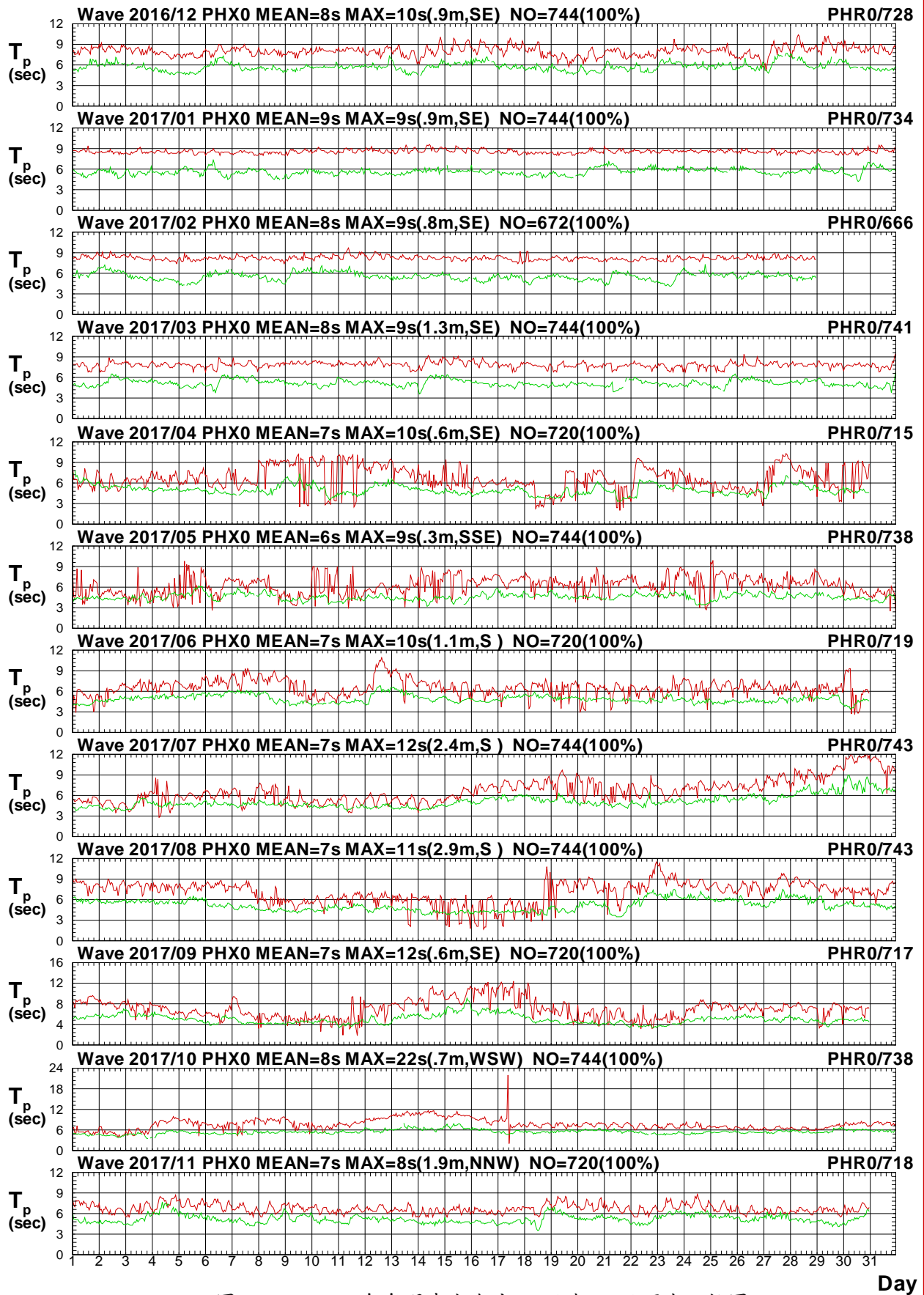


圖2.19b 2017年每月澎湖海域 X 站與 R 站週期比較圖

V16CPHX0.1HA V16CPHR0.1H0 V171PHX0.1HA V171PHR0.1H0 V172PHX0.1HA V172PHR0.1H0
 V173PHX0.1HA V173PHR0.1H0 V174PHX0.1HA V174PHR0.1H0 V175PHX0.1HA V175PHR0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

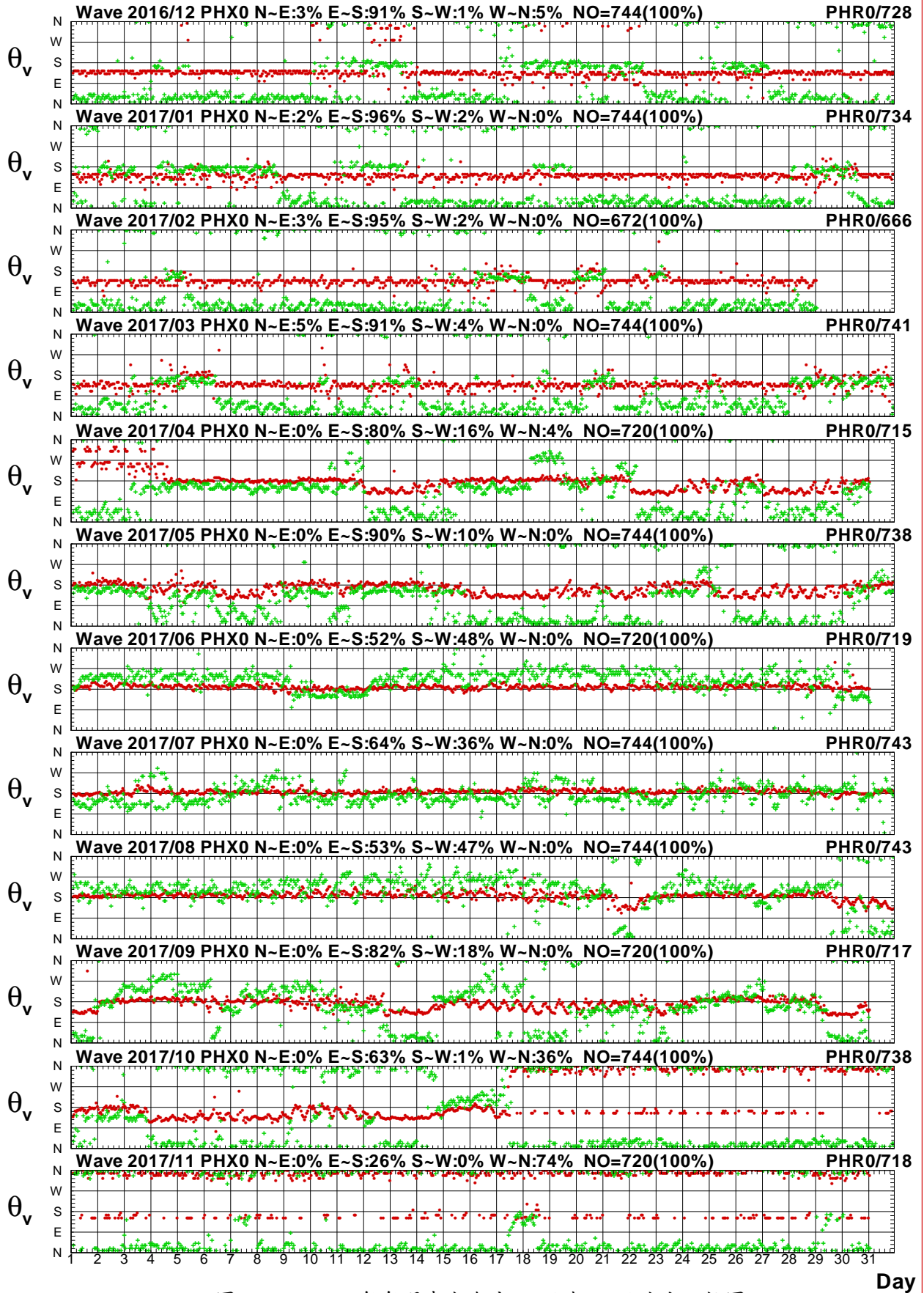


圖2.19c 2017年每月澎湖海域 X 站與 R 站波向比較圖

V16CPHX0.1HA V16CPHR0.1H0 V171PHX0.1HA V171PHR0.1H0 V172PHX0.1HA V172PHR0.1H0
 V173PHX0.1HA V173PHR0.1H0 V174PHX0.1HA V174PHR0.1H0 V175PHX0.1HA V175PHR0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

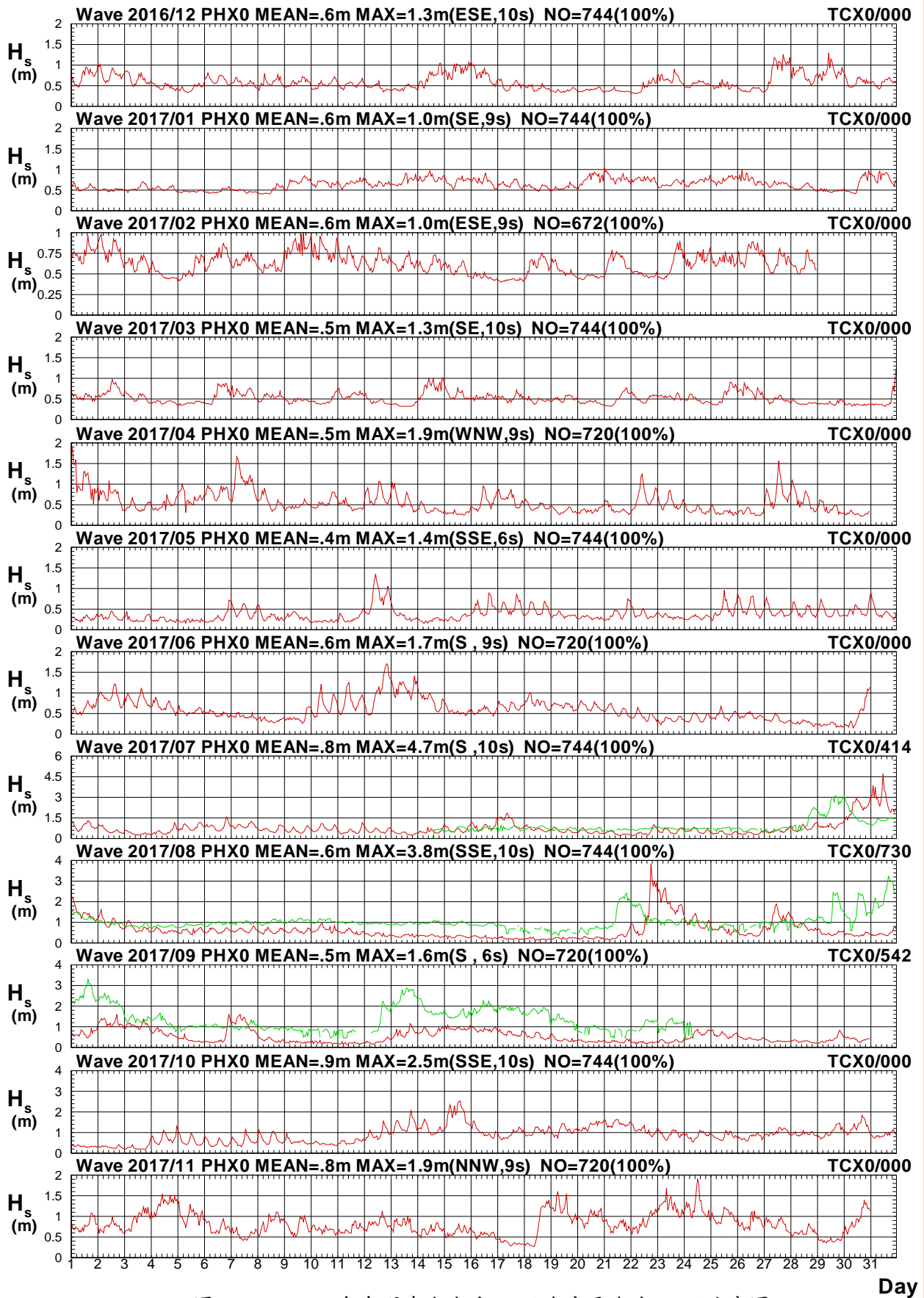


圖2.20a 2017年每月澎湖海域 X 站與中雲海域 X 站波高圖

V16CPHX0.1HA V16CTCX0.1H0 V171PHX0.1HA V171TCX0.1H0 V172PHX0.1HA V172TCX0.1H0
 V173PHX0.1HA V173TCX0.1H0 V174PHX0.1HA V174TCX0.1H0 V175PHX0.1HA V175TCX0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

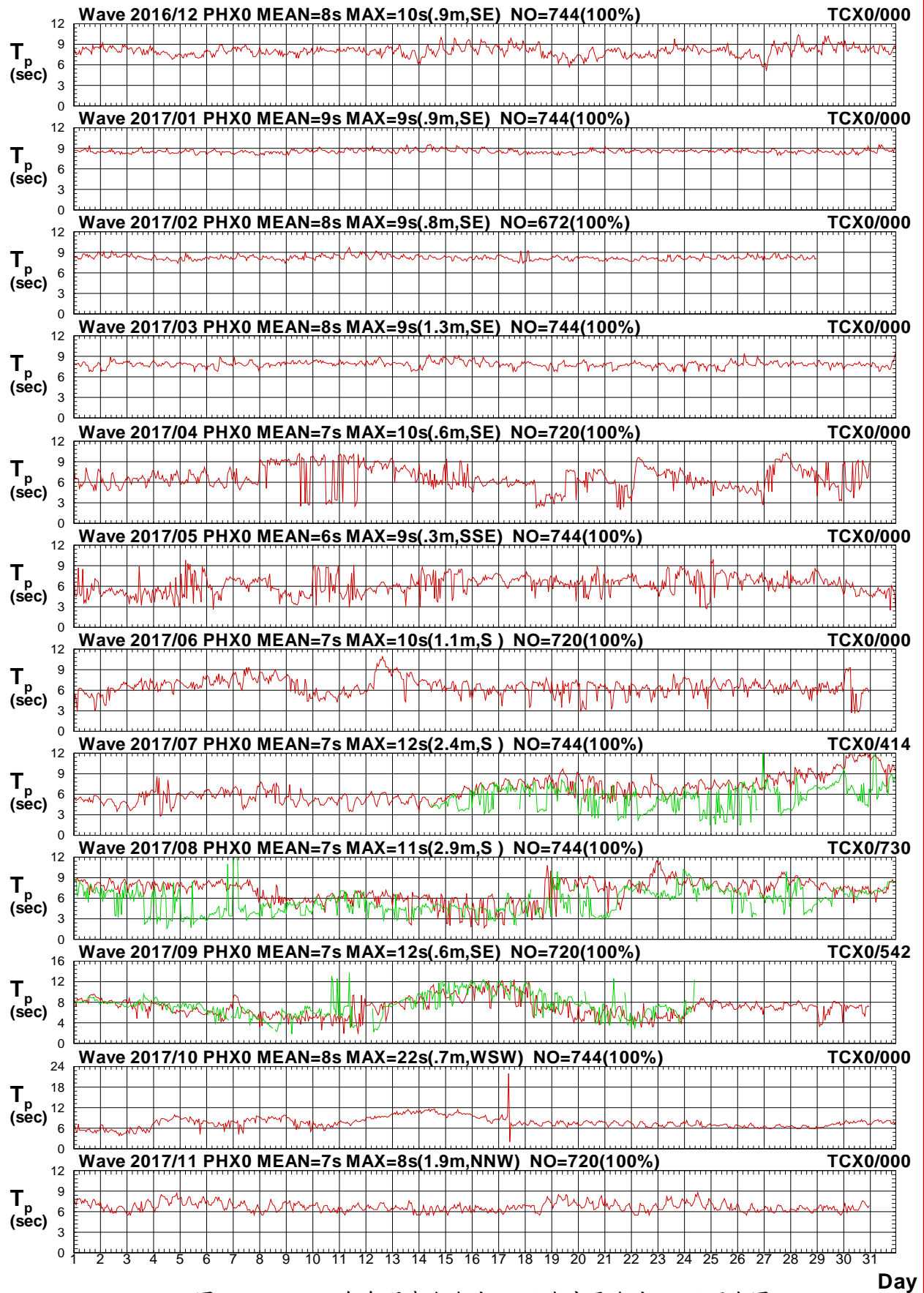


圖2.20b 2017年每月澎湖海域 X 站與中雲海域 X 站週期圖

V16CPHX0.1HA V16CTCX0.1H0 V171PHX0.1HA V171TCX0.1H0 V172PHX0.1HA V172TCX0.1H0
 V173PHX0.1HA V173TCX0.1H0 V174PHX0.1HA V174TCX0.1H0 V175PHX0.1HA V175TCX0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

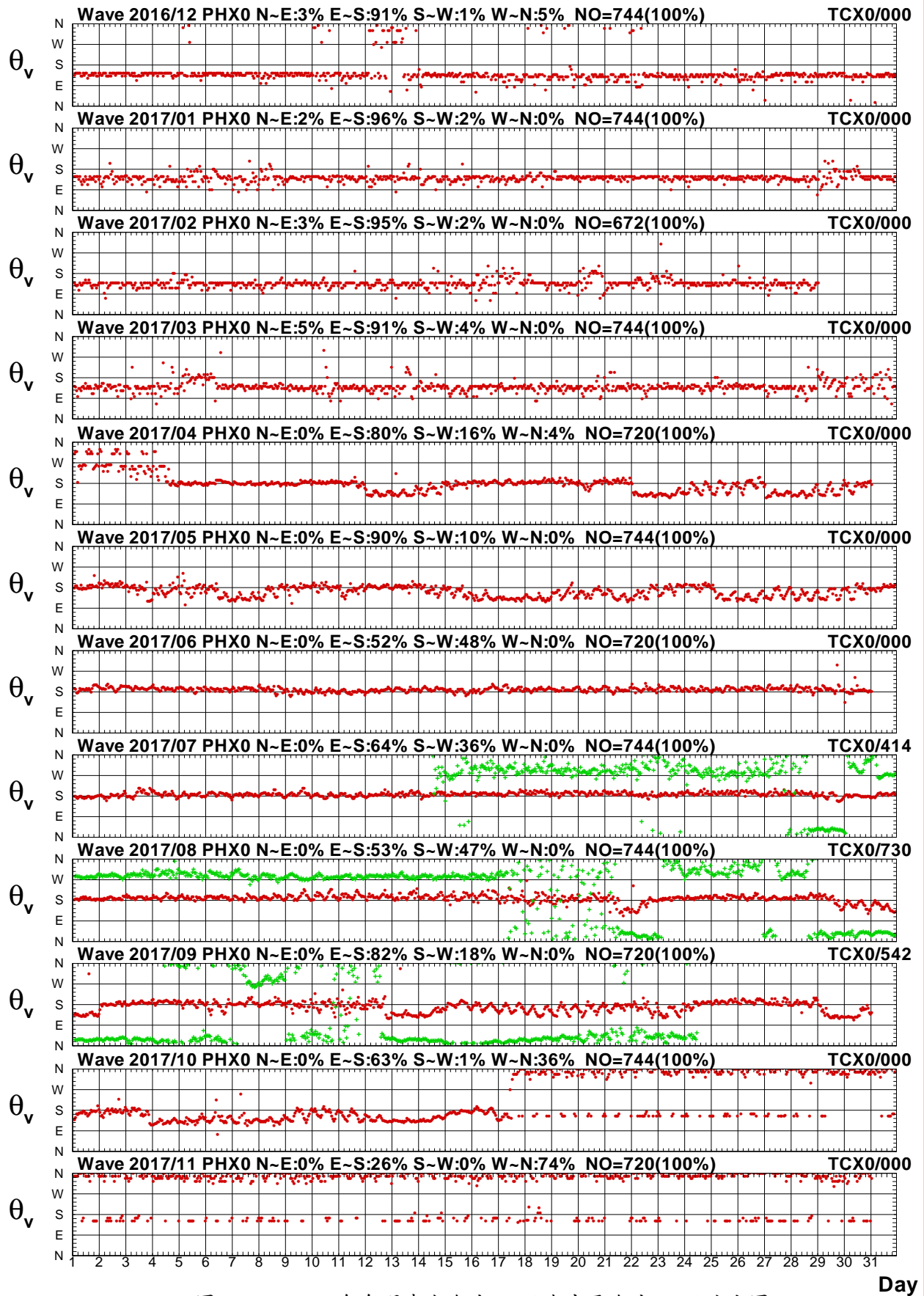


圖2.20c 2017年每月澎湖海域 X 站與中雲海域 X 站波向圖

V16CPHX0.1HA V16CTCX0.1H0 V171PHX0.1HA V171TCX0.1H0 V172PHX0.1HA V172TCX0.1H0
 V173PHX0.1HA V173TCX0.1H0 V174PHX0.1HA V174TCX0.1H0 V175PHX0.1HA V175TCX0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

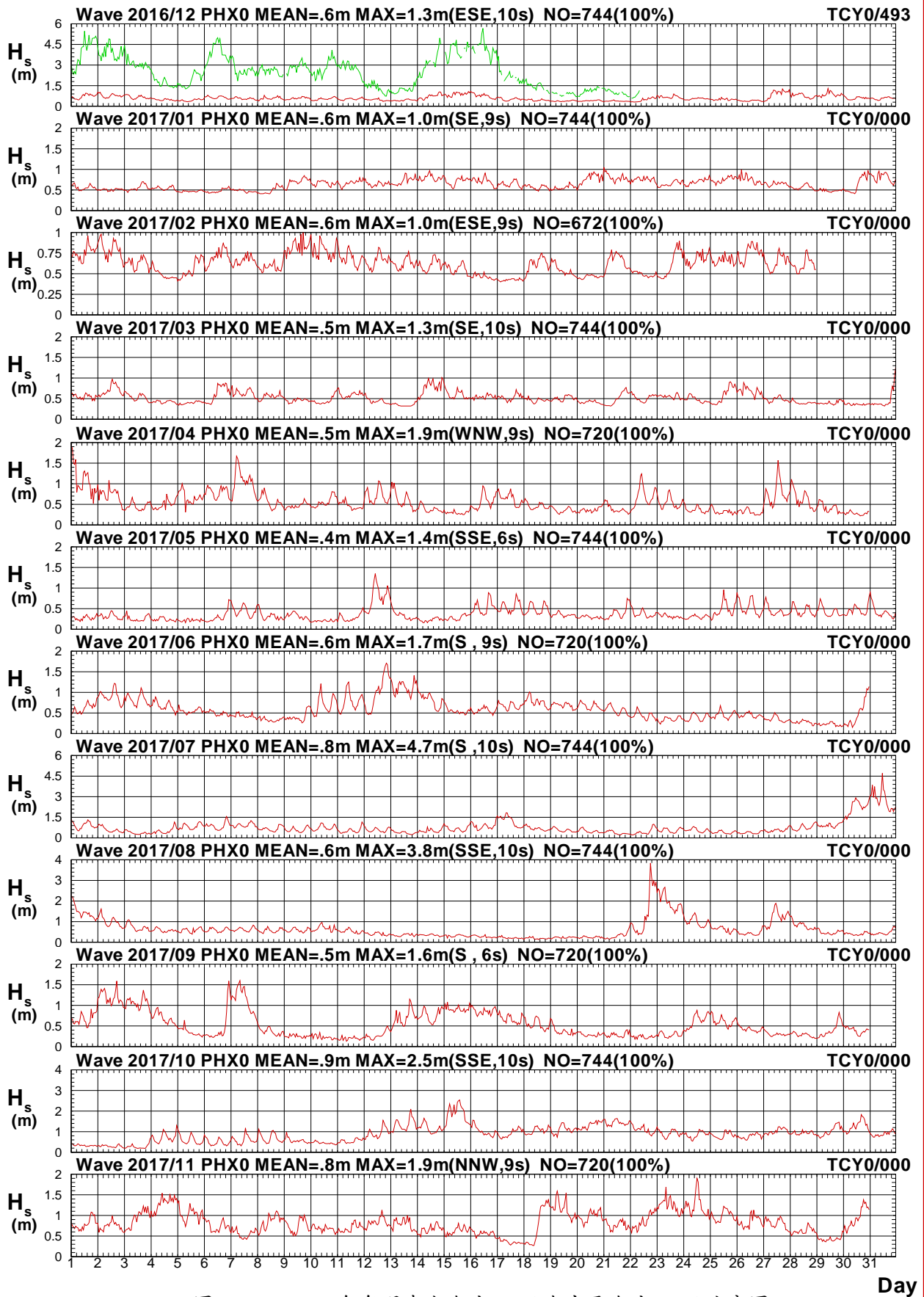


圖2.21a 2017年每月澎湖海域 X 站與中雲海域 Y 站波高圖

V16CPHX0.1HA V16CTCY0.1H0 V171PHX0.1HA V171TCY0.1H0 V172PHX0.1HA V172TCY0.1H0
 V173PHX0.1HA V173TCY0.1H0 V174PHX0.1HA V174TCY0.1H0 V175PHX0.1HA V175TCY0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

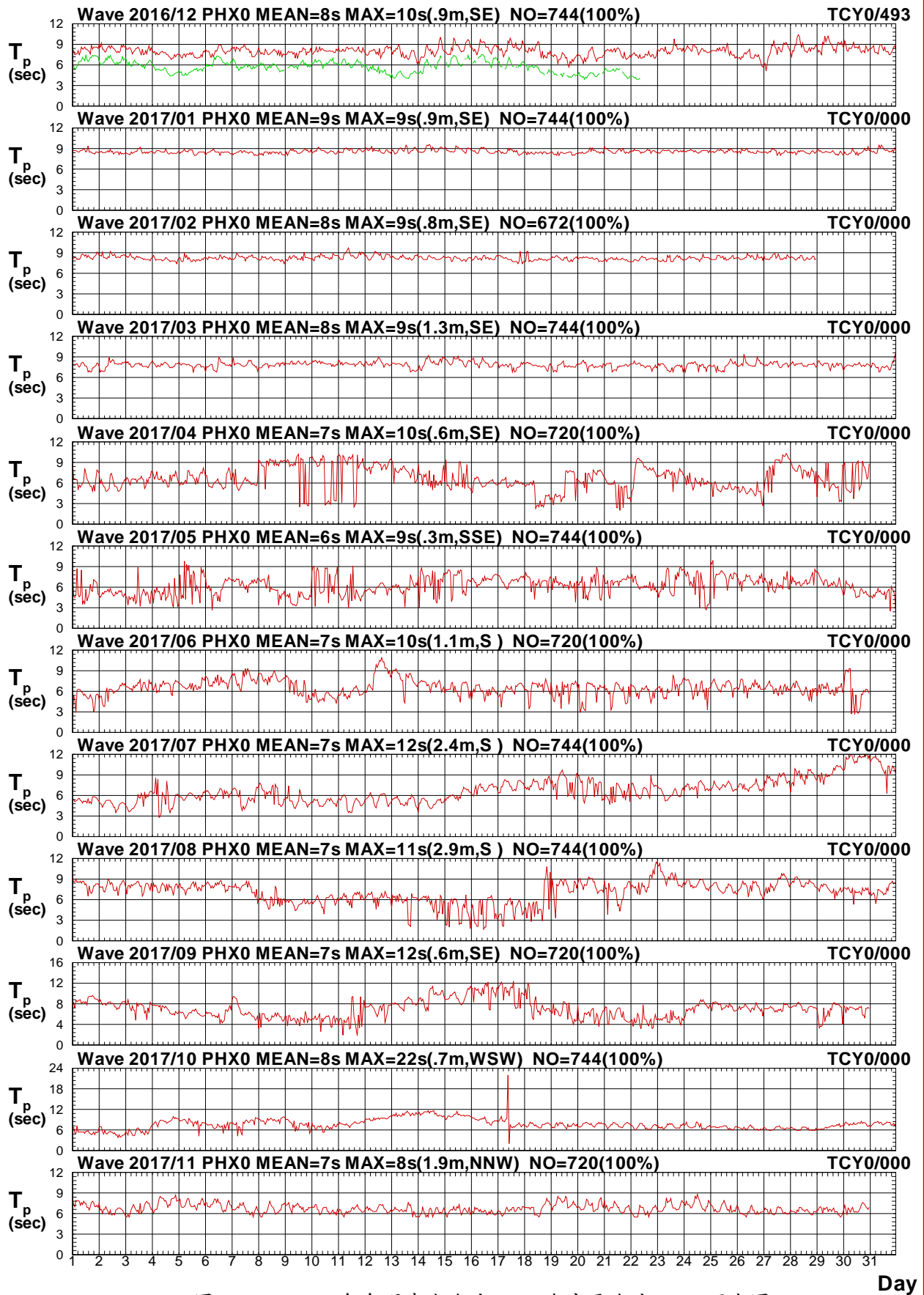


圖2.21b 2017年每月澎湖海域 X 站與中雲海域 Y 站週期圖

V16CPHX0.1HA V16CTCY0.1H0 V171PHX0.1HA V171TCY0.1H0 V172PHX0.1HA V172TCY0.1H0
 V173PHX0.1HA V173TCY0.1H0 V174PHX0.1HA V174TCY0.1H0 V175PHX0.1HA V175TCY0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

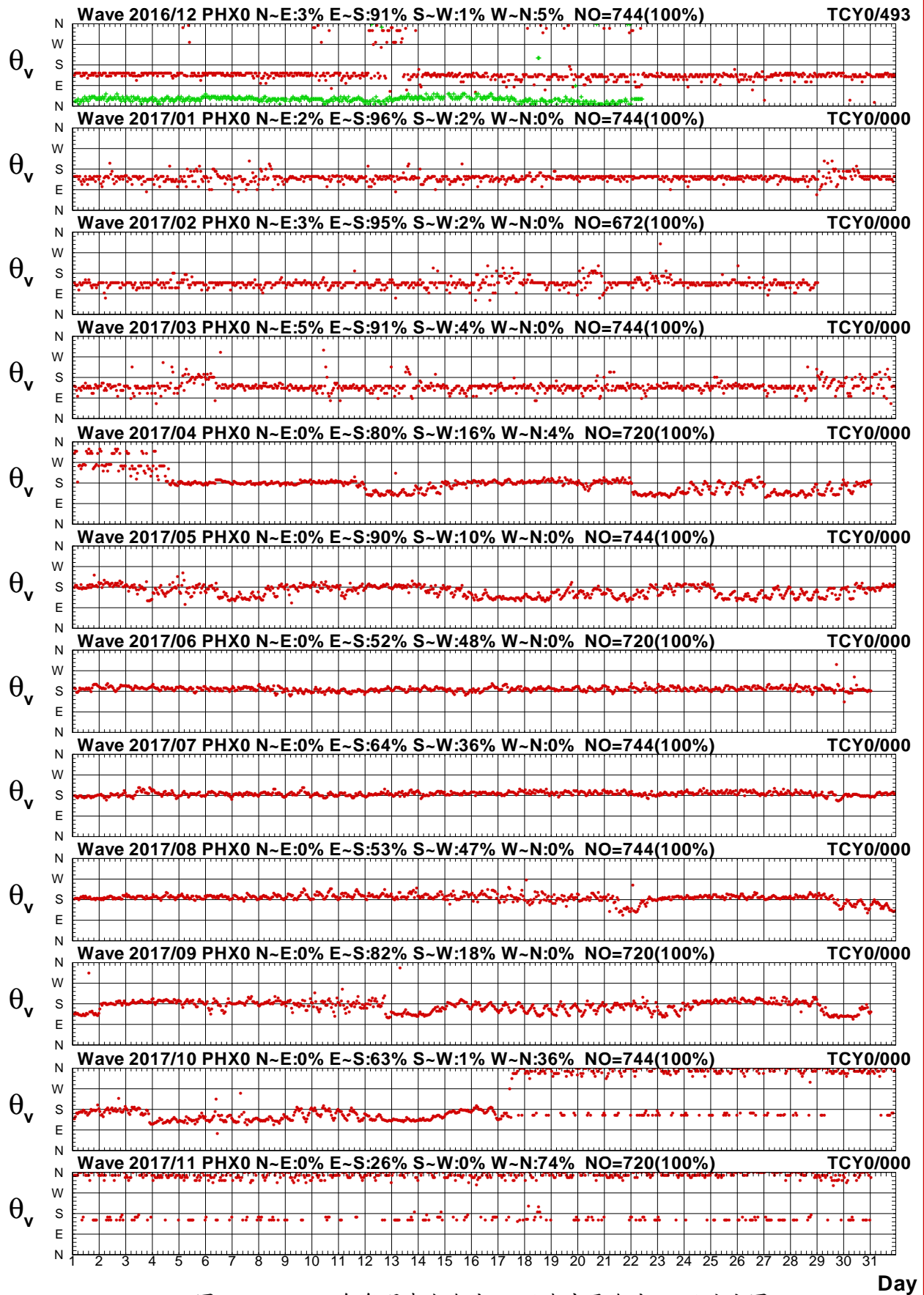


圖2.21c 2017年每月澎湖海域 X 站與中雲海域 Y 站波向圖

V16CPHX0.1HA V16CTCY0.1H0 V171PHX0.1HA V171TCY0.1H0 V172PHX0.1HA V172TCY0.1H0
 V173PHX0.1HA V173TCY0.1H0 V174PHX0.1HA V174TCY0.1H0 V175PHX0.1HA V175TCY0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

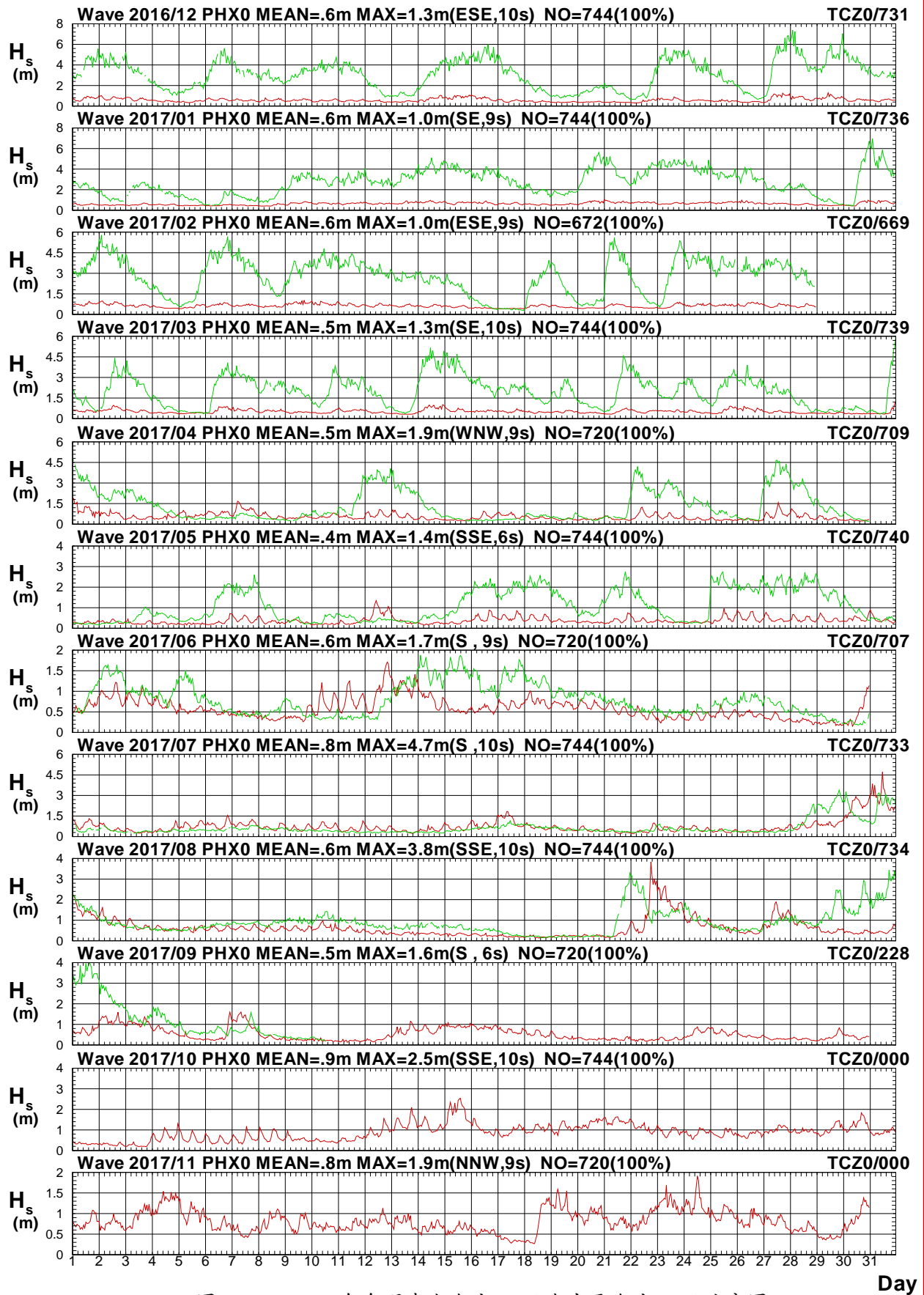


圖2.22a 2017年每月澎湖海域 X 站與中雲海域 Z 站波高圖

V16CPHX0.1HA V16CTCZ0.1H0 V171PHX0.1HA V171TCZ0.1H0 V172PHX0.1HA V172TCZ0.1H0
 V173PHX0.1HA V173TCZ0.1H0 V174PHX0.1HA V174TCZ0.1H0 V175PHX0.1HA V175TCZ0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

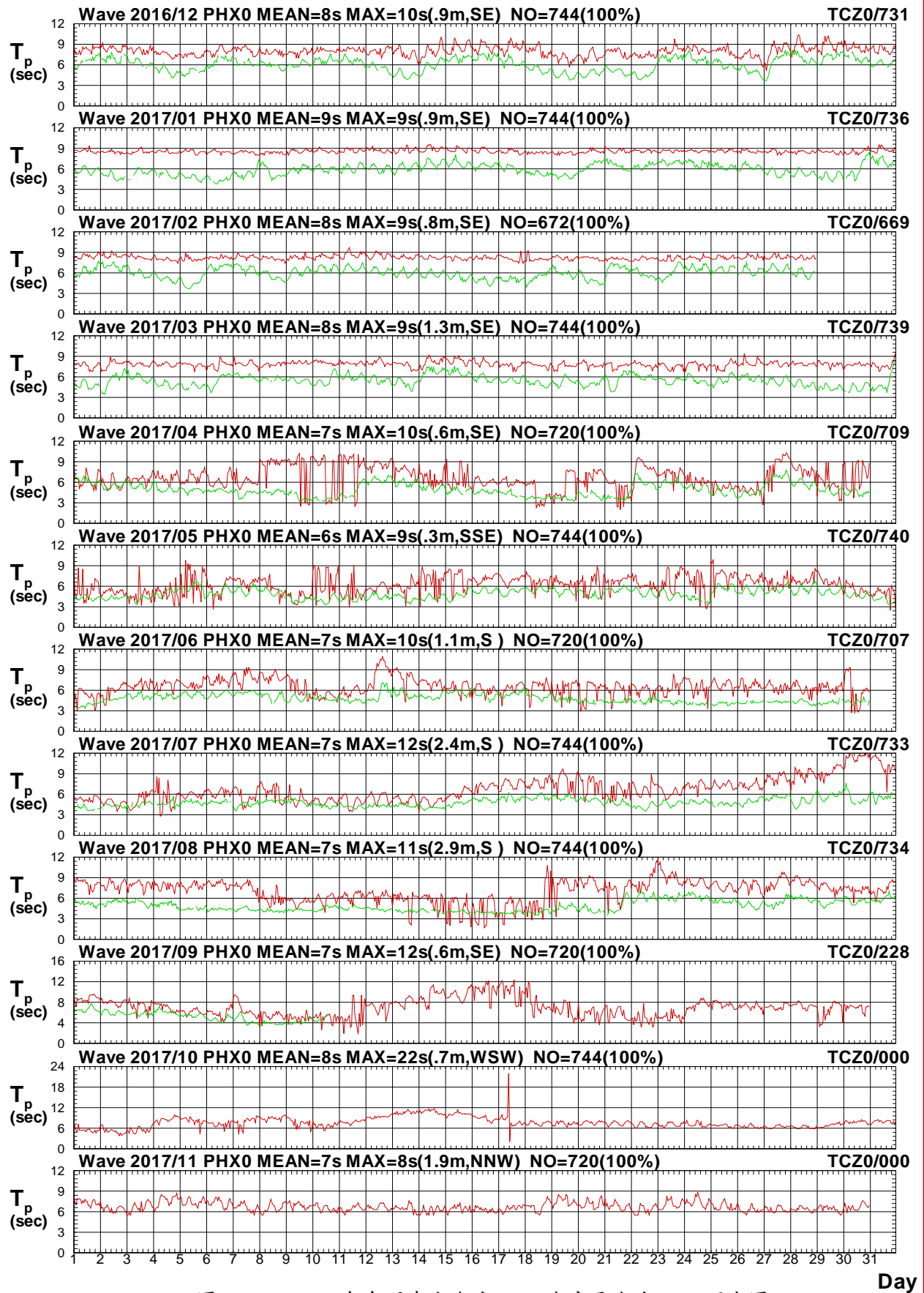


圖2.22b 2017年每月澎湖海域 X 站與中雲海域 Z 站週期圖

V16CPHX0.1HA V16CTCZ0.1H0 V171PHX0.1HA V171TCZ0.1H0 V172PHX0.1HA V172TCZ0.1H0
 V173PHX0.1HA V173TCZ0.1H0 V174PHX0.1HA V174TCZ0.1H0 V175PHX0.1HA V175TCZ0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

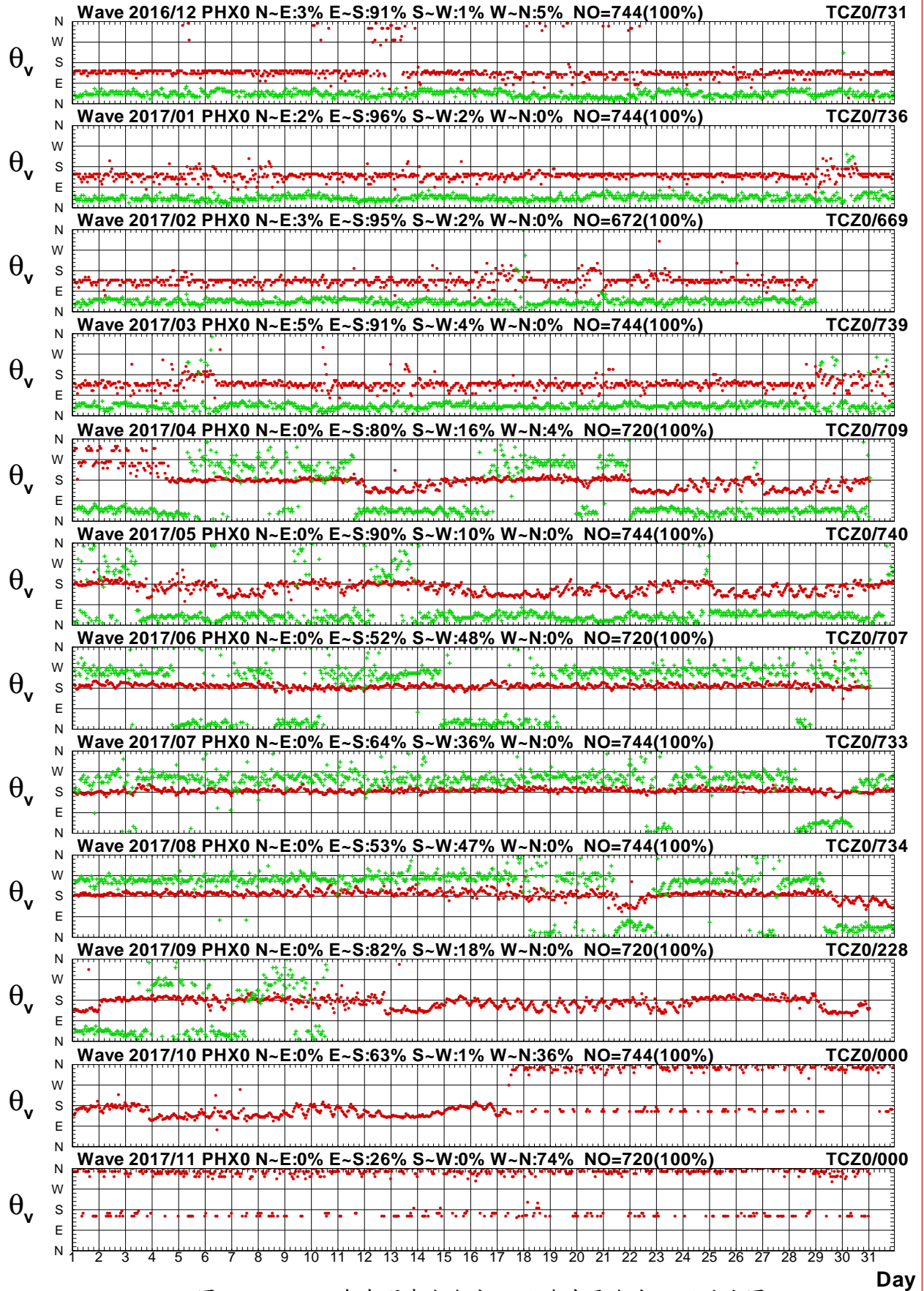


圖2.22c 2017年每月澎湖海域 X 站與中雲海域 Z 站波向圖

V16CPHX0.1HA V16CTCZ0.1H0 V171PHX0.1HA V171TCZ0.1H0 V172PHX0.1HA V172TCZ0.1H0
 V173PHX0.1HA V173TCZ0.1H0 V174PHX0.1HA V174TCZ0.1H0 V175PHX0.1HA V175TCZ0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

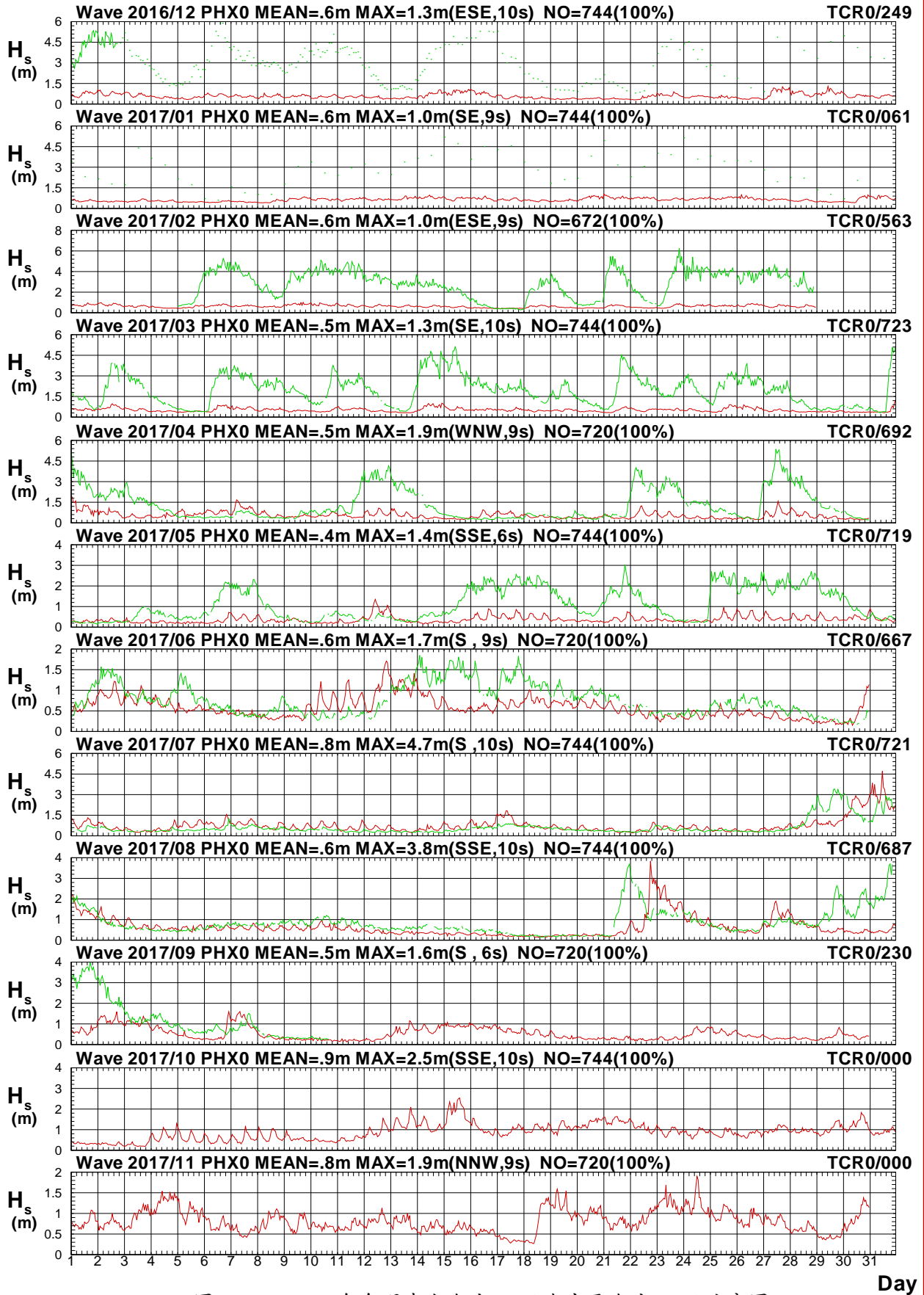


圖2.23a 2017年每月澎湖海域 X 站與中雲海域 R 站波高圖

V16CPHX0.1HA V16CTCR0.1H0 V171PHX0.1HA V171TCR0.1H0 V172PHX0.1HA V172TCR0.1H0
 V173PHX0.1HA V173TCR0.1H0 V174PHX0.1HA V174TCR0.1H0 V175PHX0.1HA V175TCR0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

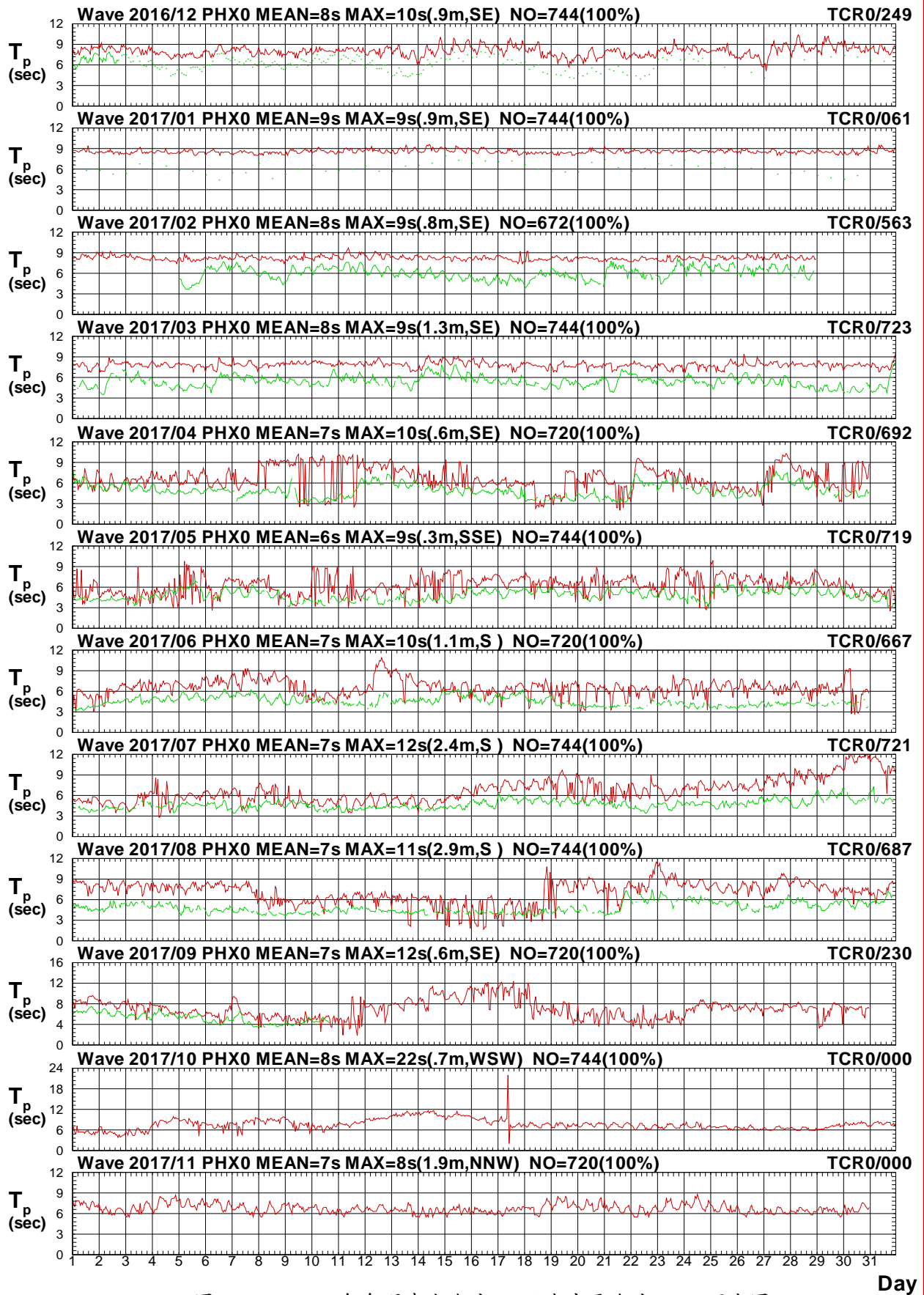


圖2.23b 2017年每月澎湖海域 X 站與中雲海域 R 站週期圖

V16CPHX0.1HA V16CTCR0.1H0 V171PHX0.1HA V171TCR0.1H0 V172PHX0.1HA V172TCR0.1H0
 V173PHX0.1HA V173TCR0.1H0 V174PHX0.1HA V174TCR0.1H0 V175PHX0.1HA V175TCR0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

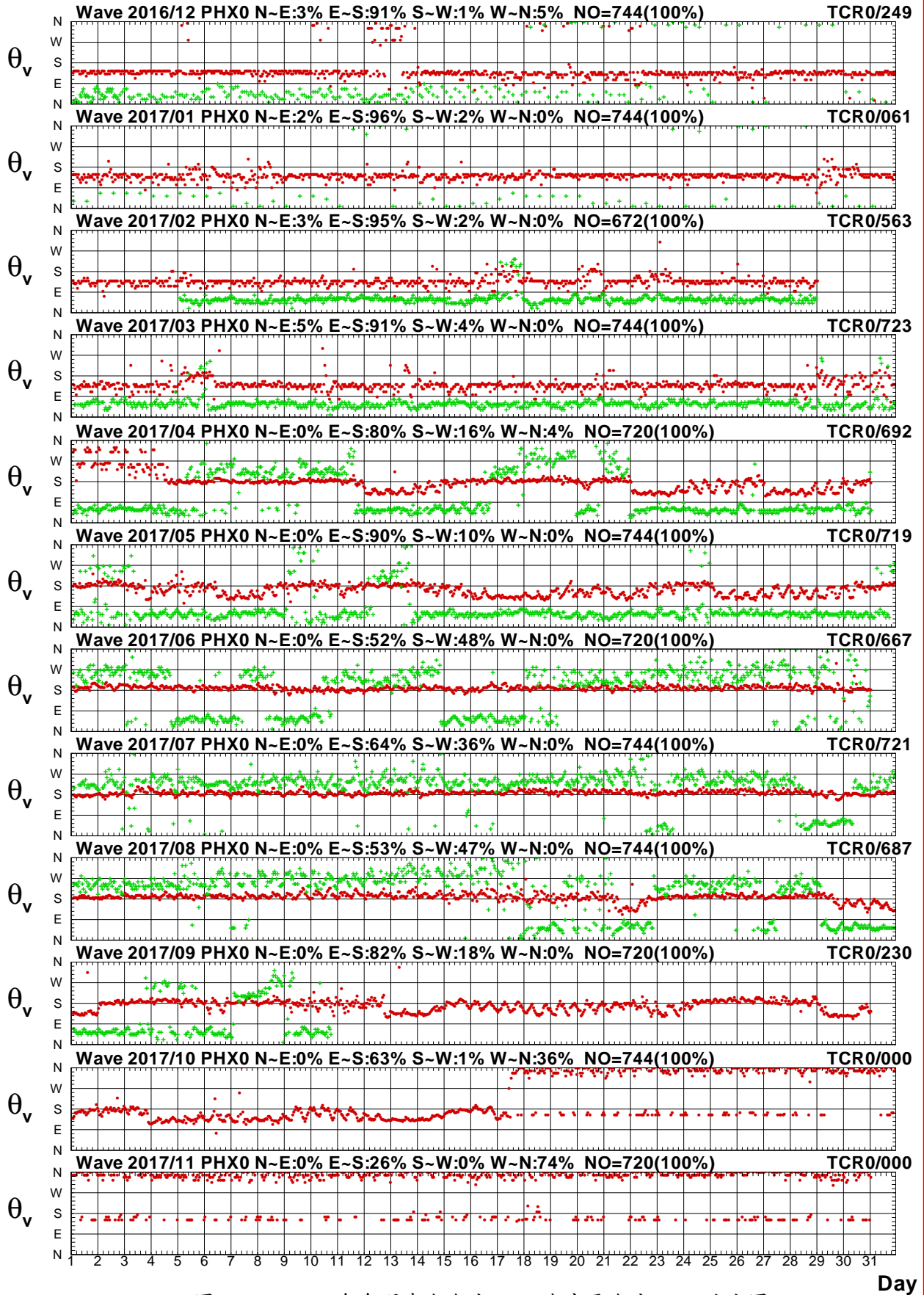


圖2.23c 2017年每月澎湖海域 X 站與中雲海域 R 站波向圖

V16CPHX0.1HA V16CTCR0.1H0 V171PHX0.1HA V171TCR0.1H0 V172PHX0.1HA V172TCR0.1H0
 V173PHX0.1HA V173TCR0.1H0 V174PHX0.1HA V174TCR0.1H0 V175PHX0.1HA V175TCR0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

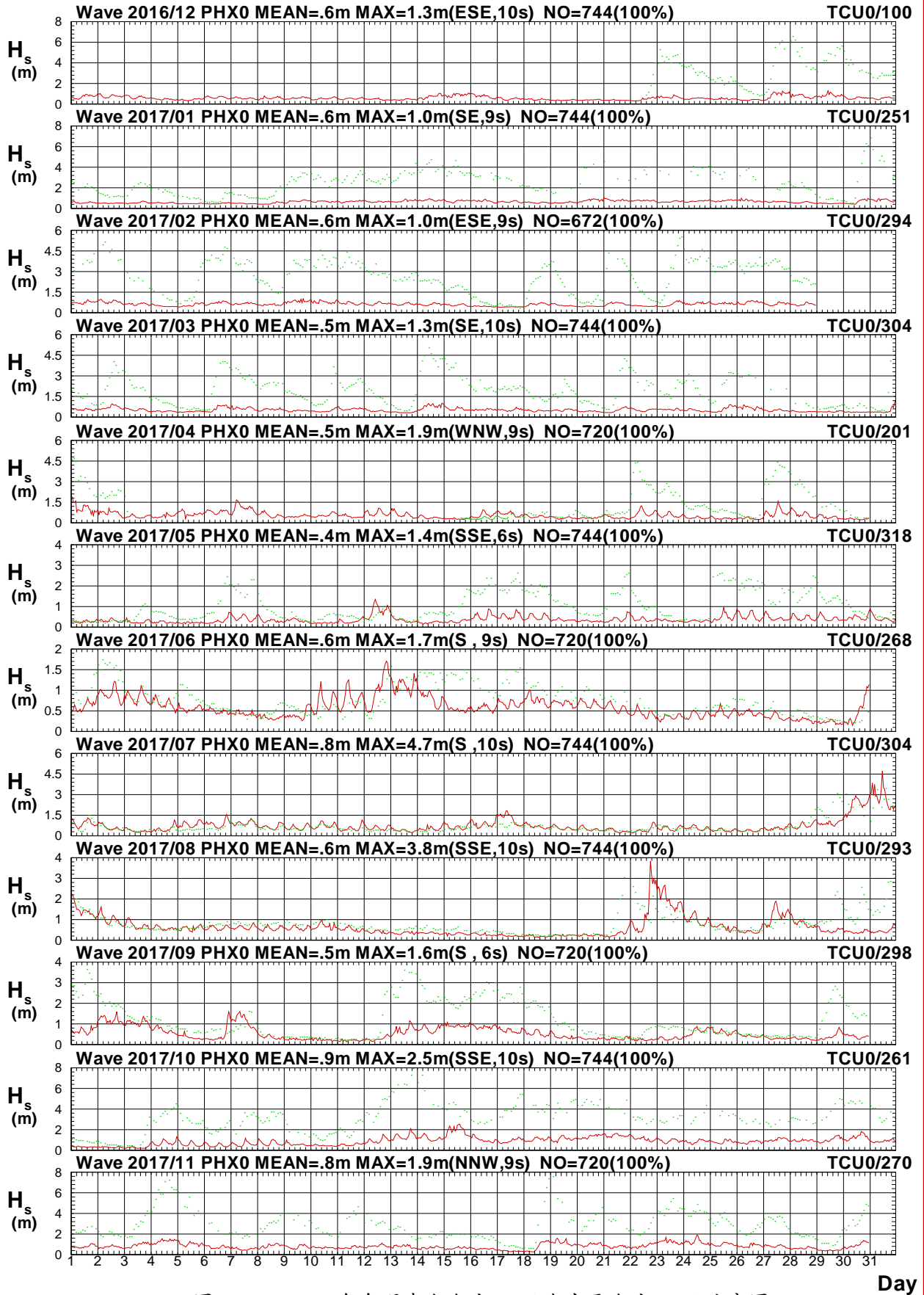


圖2.24a 2017年每月澎湖海域 X 站與中雲海域 U 站波高圖

V16CPHX0.1HA V16CTCU0.1H0 V171PHX0.1HA V171TCU0.1H0 V172PHX0.1HA V172TCU0.1H0
 V173PHX0.1HA V173TCU0.1H0 V174PHX0.1HA V174TCU0.1H0 V175PHX0.1HA V175TCU0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

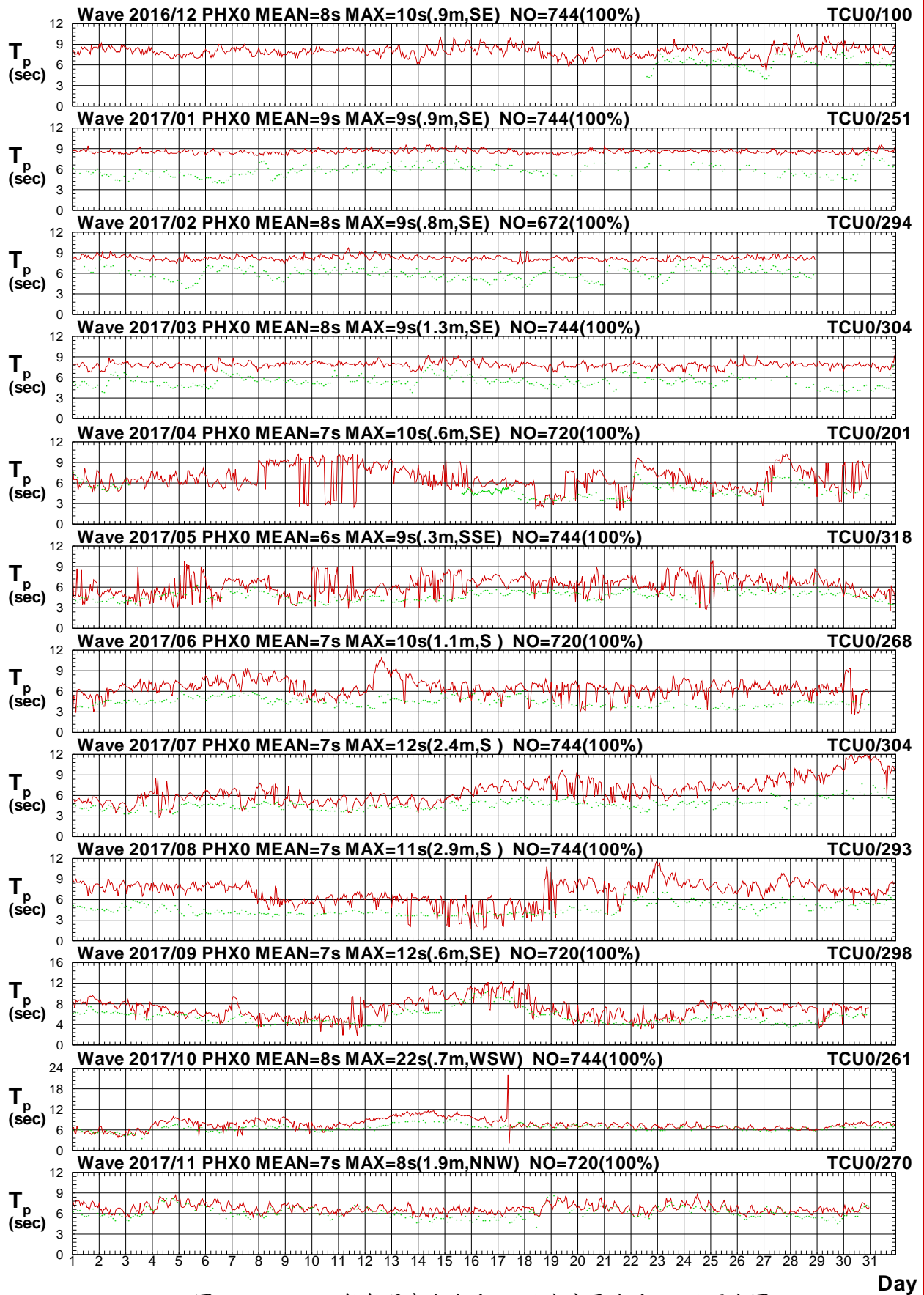


圖2.24b 2017年每月澎湖海域 X 站與中雲海域 U 站週期圖

V16CPHX0.1HA V16CTCU0.1H0 V171PHX0.1HA V171TCU0.1H0 V172PHX0.1HA V172TCU0.1H0
 V173PHX0.1HA V173TCU0.1H0 V174PHX0.1HA V174TCU0.1H0 V175PHX0.1HA V175TCU0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

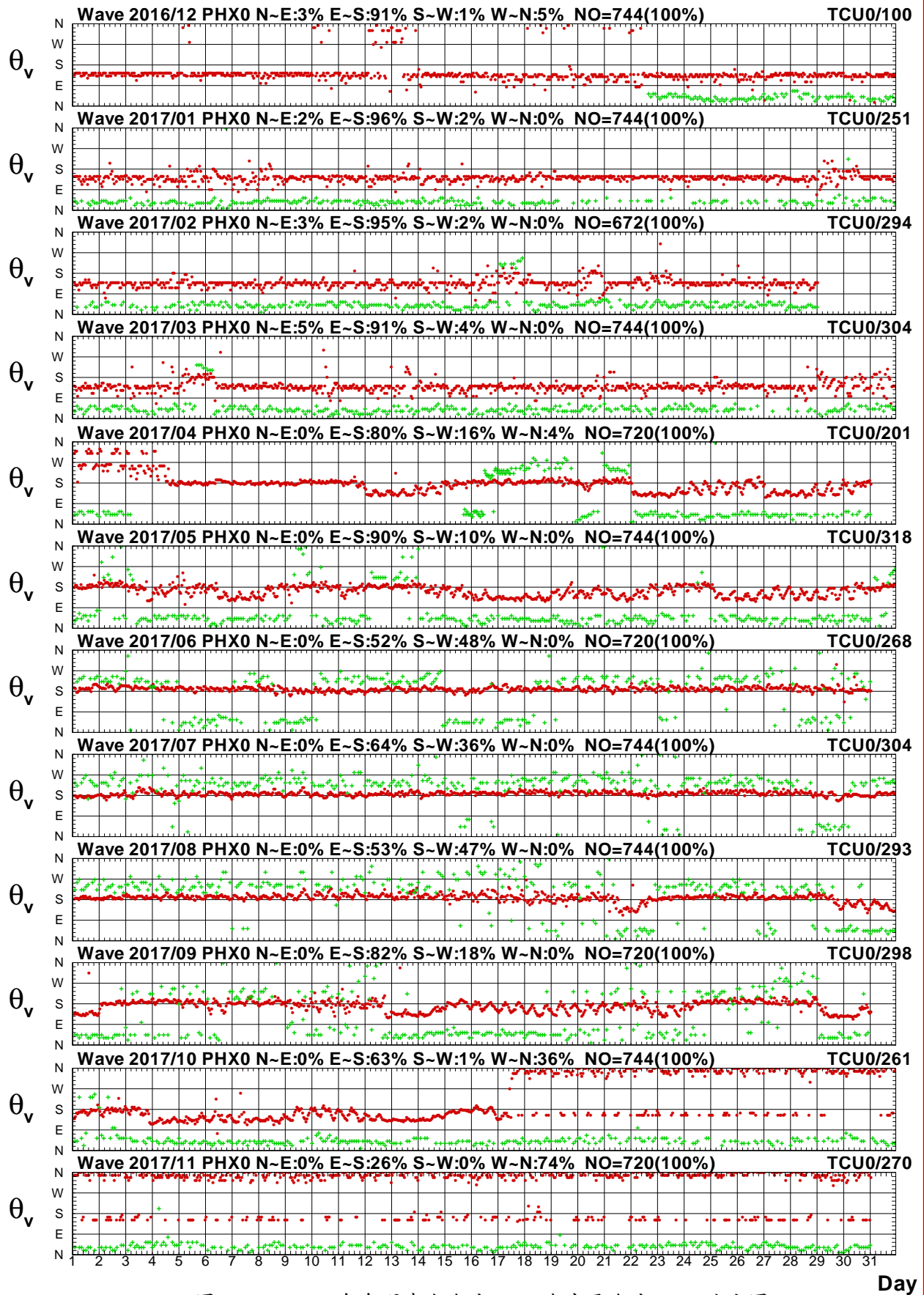


圖2.24c 2017年每月澎湖海域 X 站與中雲海域 U 站波向圖

V16CPHX0.1HA V16CTCU0.1H0 V171PHX0.1HA V171TCU0.1H0 V172PHX0.1HA V172TCU0.1H0
 V173PHX0.1HA V173TCU0.1H0 V174PHX0.1HA V174TCU0.1H0 V175PHX0.1HA V175TCU0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

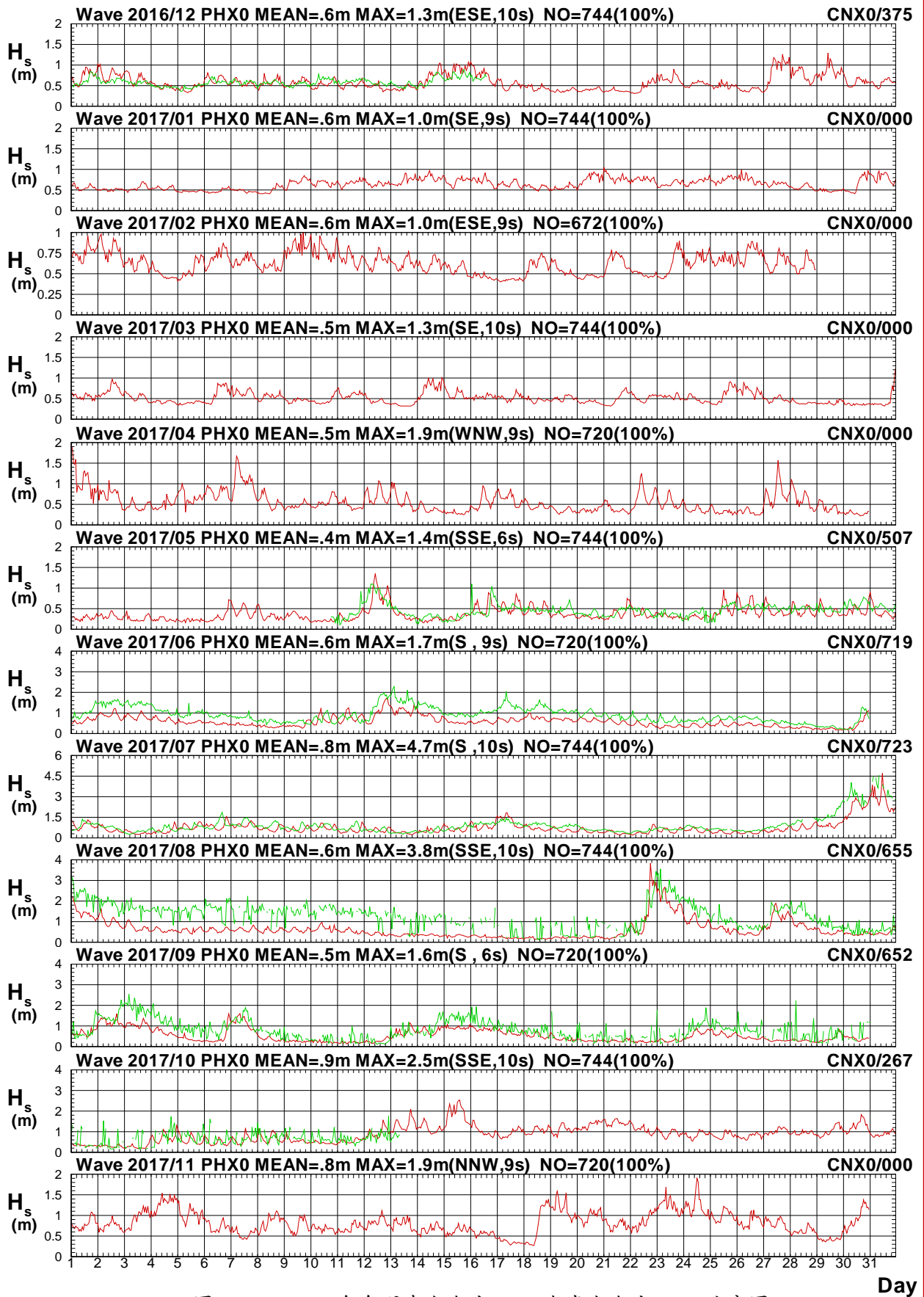


圖2.25a 2017年每月澎湖海域 X 站與嘉南海域 X 站波高圖

V16CPHX0.1HA V16CCNX0.1H0 V171PHX0.1HA V171CNX0.1H0 V172PHX0.1HA V172CNX0.1H0
 V173PHX0.1HA V173CNX0.1H0 V174PHX0.1HA V174CNX0.1H0 V175PHX0.1HA V175CNX0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

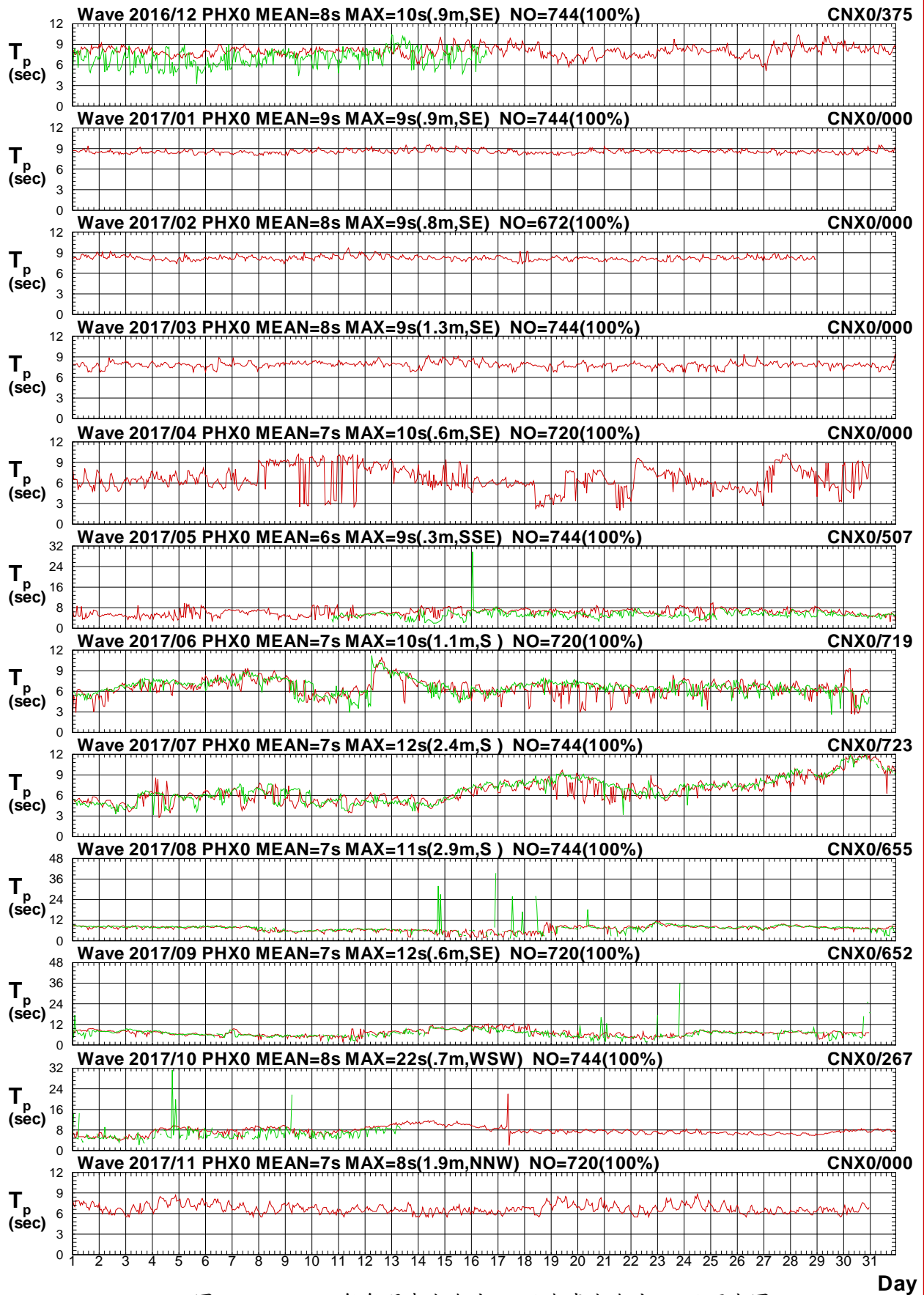


圖2.25b 2017年每月澎湖海域 X 站與嘉南海域 X 站週期圖

V16CPHX0.1HA V16CCNX0.1H0 V171PHX0.1HA V171CNX0.1H0 V172PHX0.1HA V172CNX0.1H0
 V173PHX0.1HA V173CNX0.1H0 V174PHX0.1HA V174CNX0.1H0 V175PHX0.1HA V175CNX0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

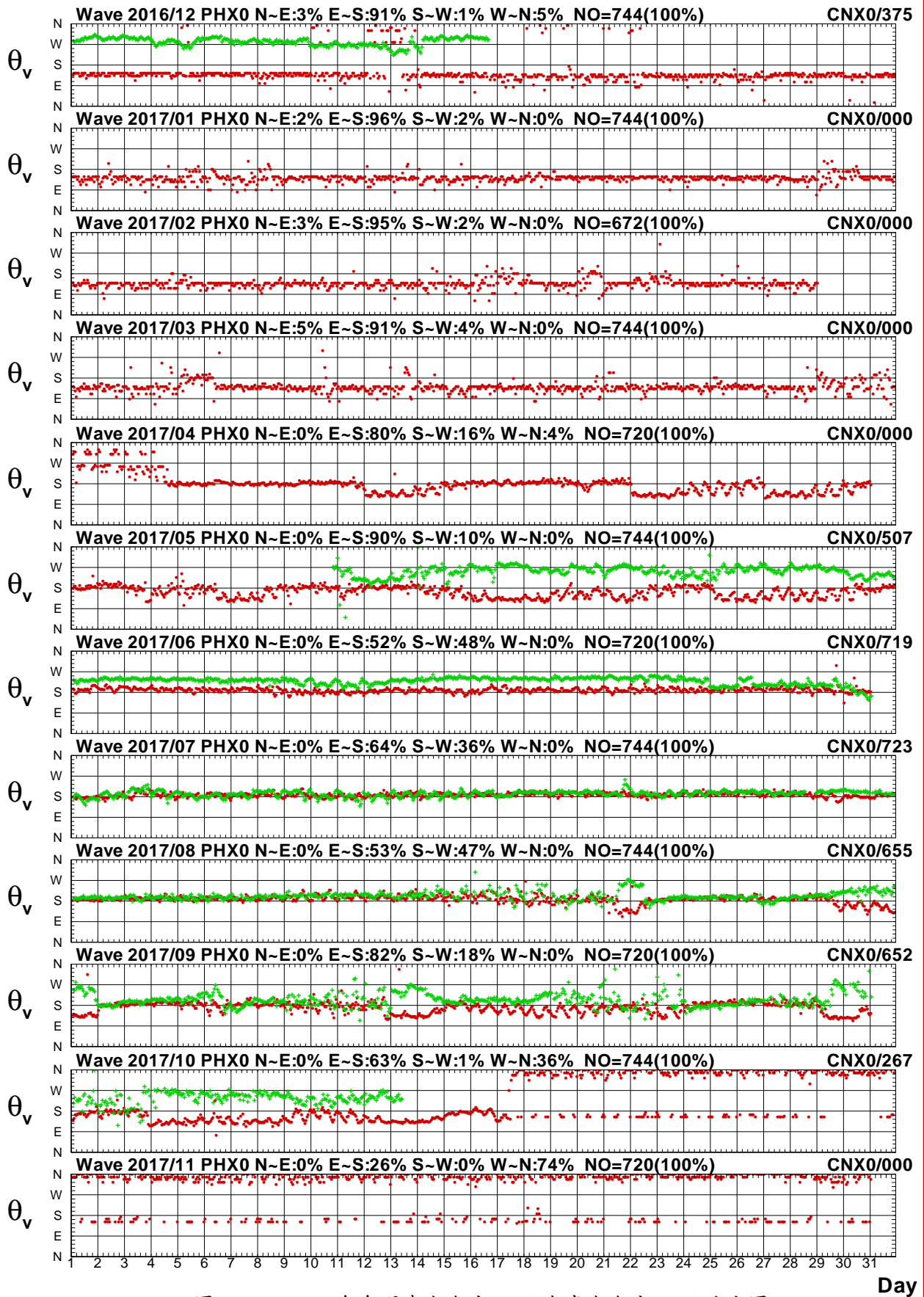


圖2.25c 2017年每月澎湖海域 X 站與嘉南海域 X 站波向圖

V16CPHX0.1HA V16CCNX0.1H0 V171PHX0.1HA V171CNX0.1H0 V172PHX0.1HA V172CNX0.1H0
 V173PHX0.1HA V173CNX0.1H0 V174PHX0.1HA V174CNX0.1H0 V175PHX0.1HA V175CNX0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

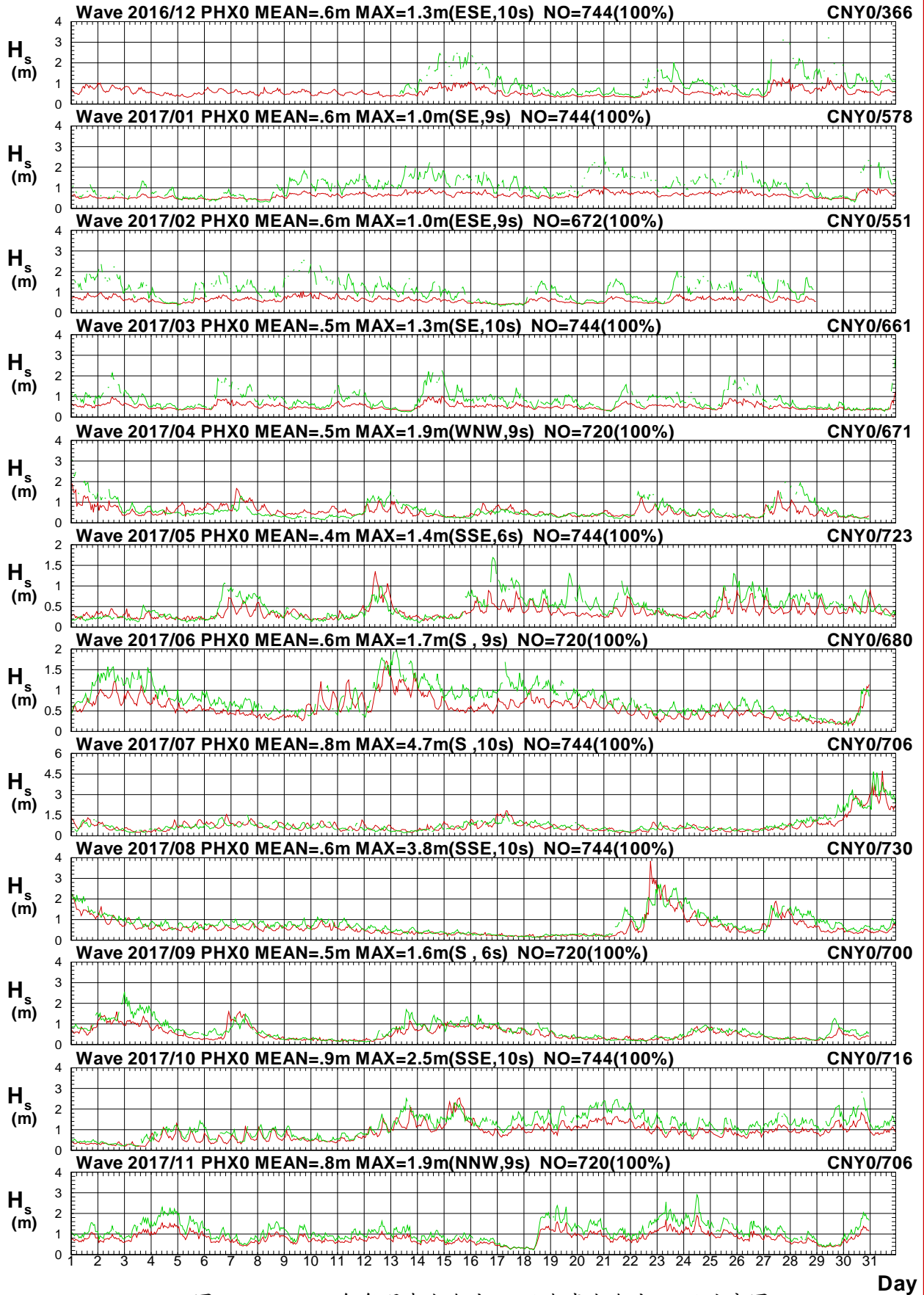


圖2.26a 2017年每月澎湖海域 X 站與嘉南海域 Y 站波高圖

V16CPHX0.1HA V16CCNY0.1H0 V171PHX0.1HA V171CNY0.1H0 V172PHX0.1HA V172CNY0.1H0
 V173PHX0.1HA V173CNY0.1H0 V174PHX0.1HA V174CNY0.1H0 V175PHX0.1HA V175CNY0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

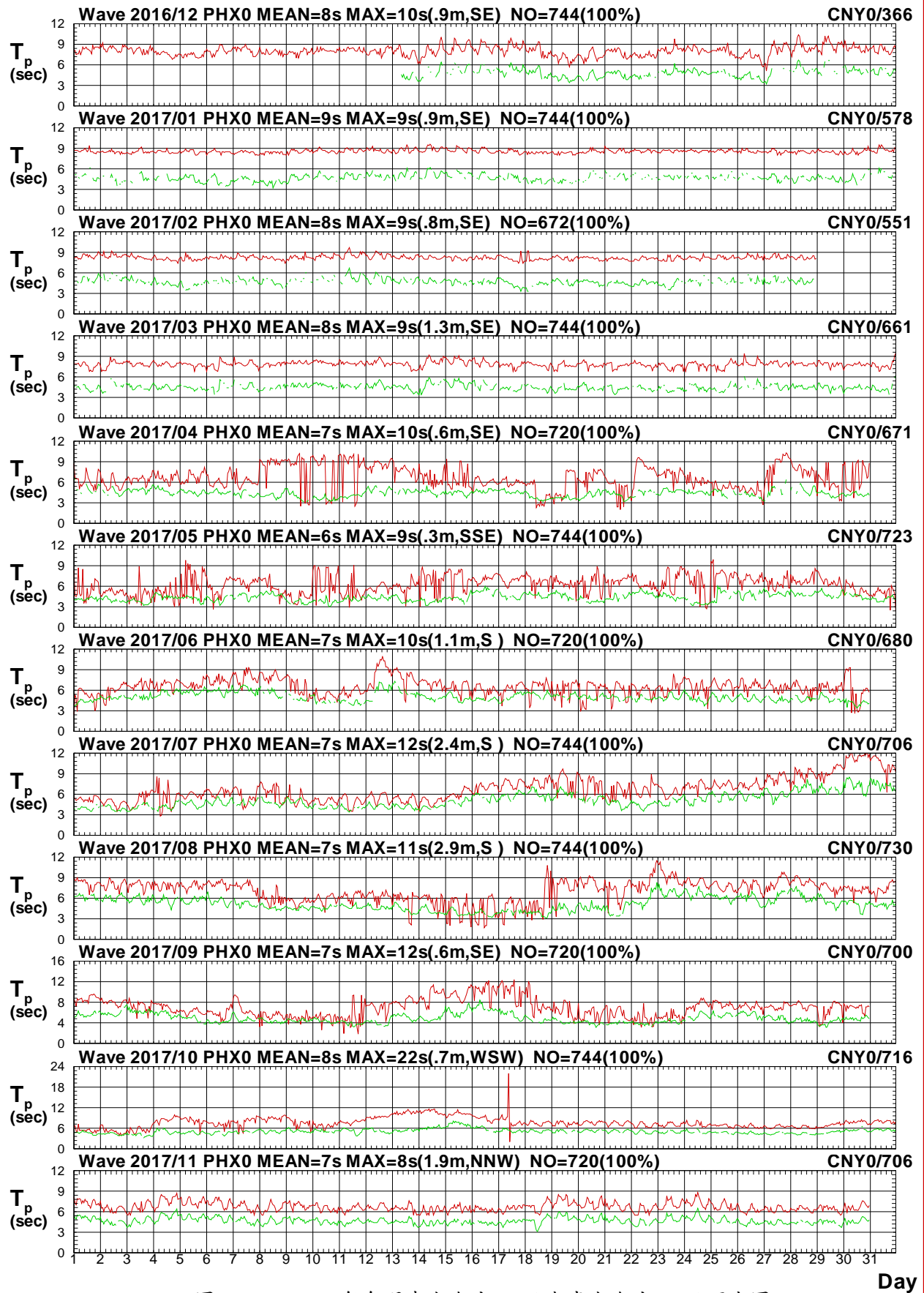


圖2.26b 2017年每月澎湖海域 X 站與嘉南海域 Y 站週期圖

V16CPHX0.1HA V16CCNY0.1H0 V171PHX0.1HA V171CNY0.1H0 V172PHX0.1HA V172CNY0.1H0
 V173PHX0.1HA V173CNY0.1H0 V174PHX0.1HA V174CNY0.1H0 V175PHX0.1HA V175CNY0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

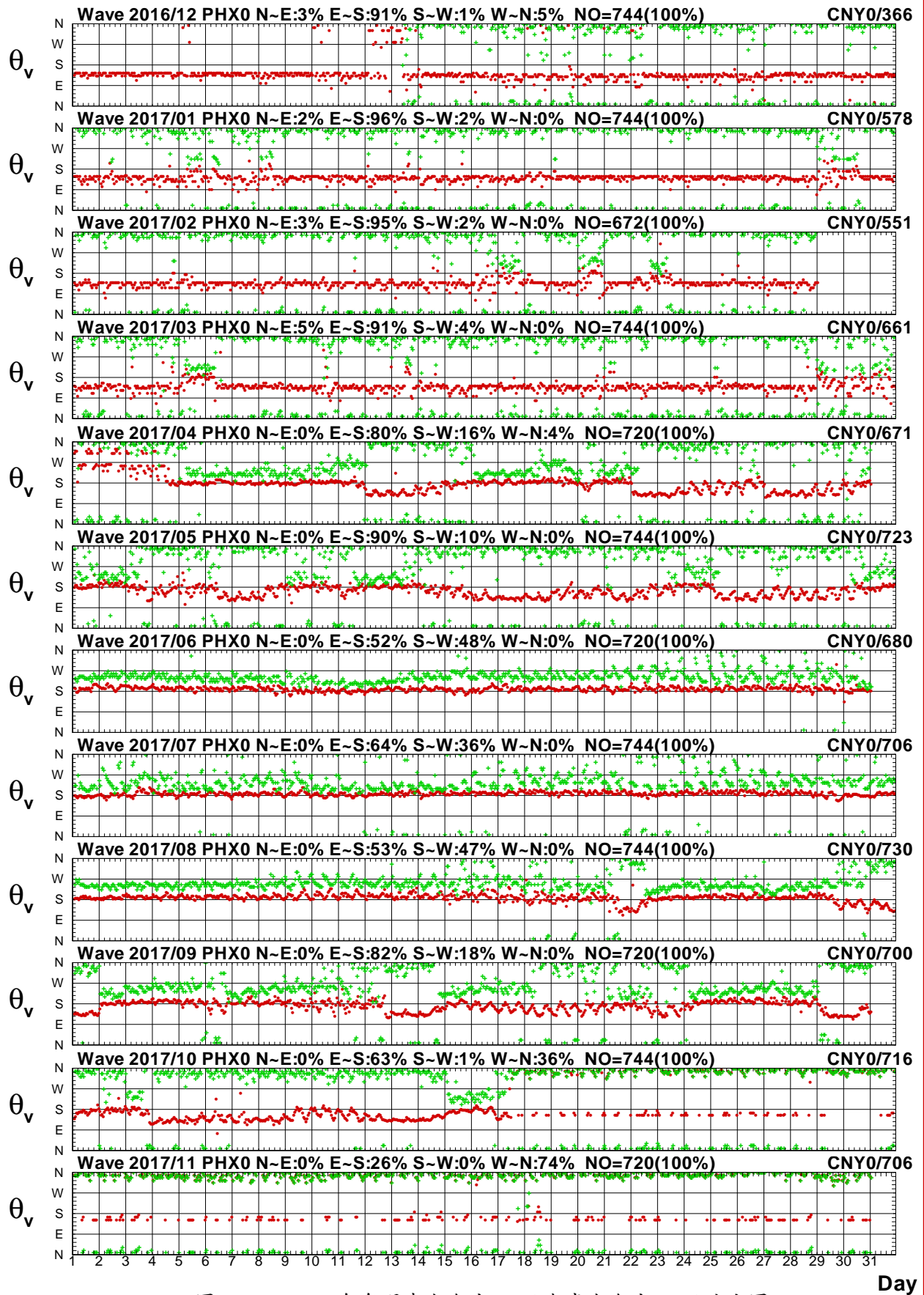


圖2.26c 2017年每月澎湖海域 X 站與嘉南海域 Y 站波向圖

V16CPHX0.1HA V16CCNY0.1H0 V171PHX0.1HA V171CNY0.1H0 V172PHX0.1HA V172CNY0.1H0
 V173PHX0.1HA V173CNY0.1H0 V174PHX0.1HA V174CNY0.1H0 V175PHX0.1HA V175CNY0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

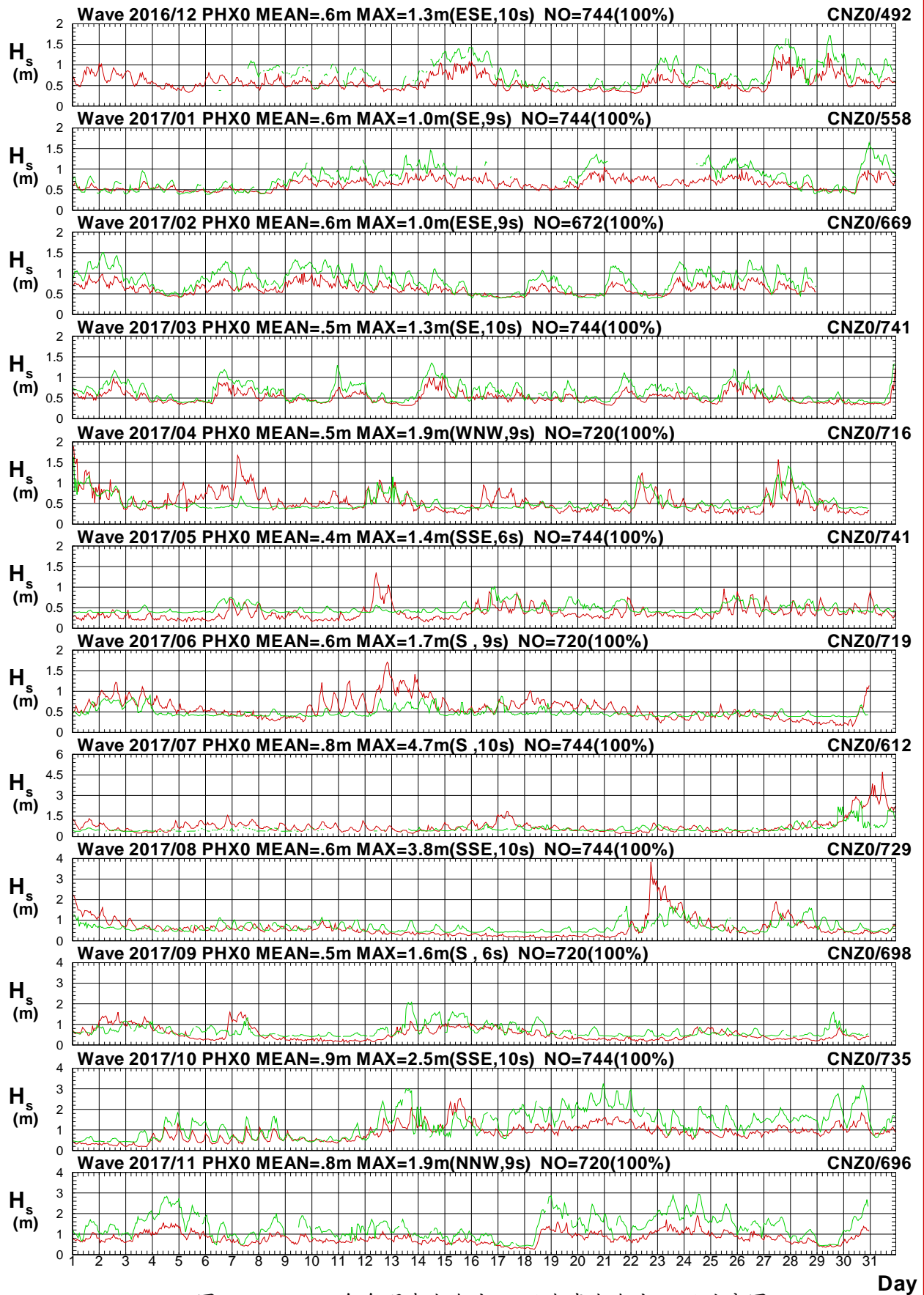


圖2.27a 2017年每月澎湖海域 X 站與嘉南海域 Z 站波高圖

V16CPHX0.1HA V16CCNZ0.1H0 V171PHX0.1HA V171CNZ0.1H0 V172PHX0.1HA V172CNZ0.1H0
 V173PHX0.1HA V173CNZ0.1H0 V174PHX0.1HA V174CNZ0.1H0 V175PHX0.1HA V175CNZ0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

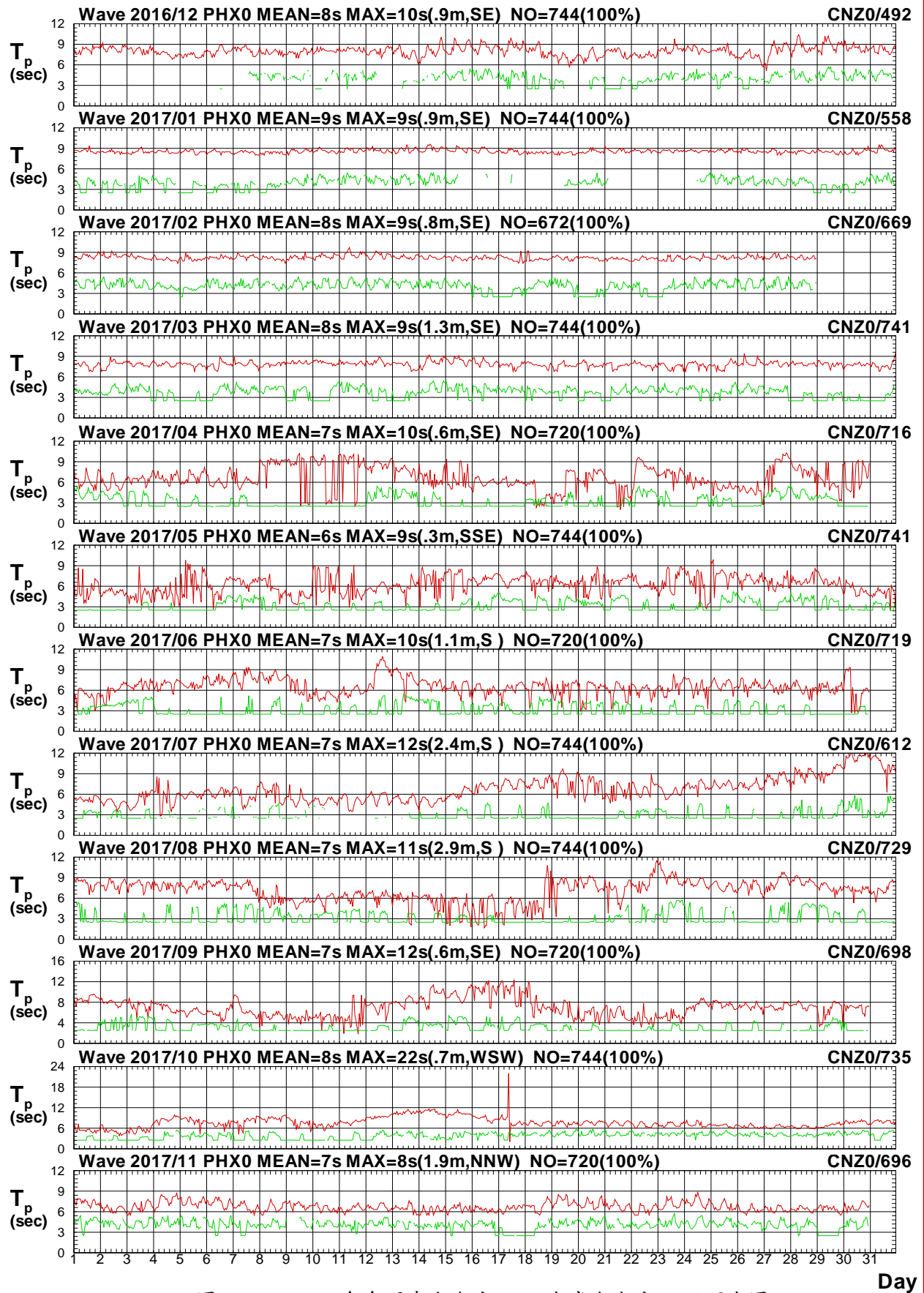


圖2.27b 2017年每月澎湖海域 X 站與嘉南海域 Z 站週期圖

V16CPHX0.1HA V16CCNZ0.1H0 V171PHX0.1HA V171CNZ0.1H0 V172PHX0.1HA V172CNZ0.1H0
 V173PHX0.1HA V173CNZ0.1H0 V174PHX0.1HA V174CNZ0.1H0 V175PHX0.1HA V175CNZ0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

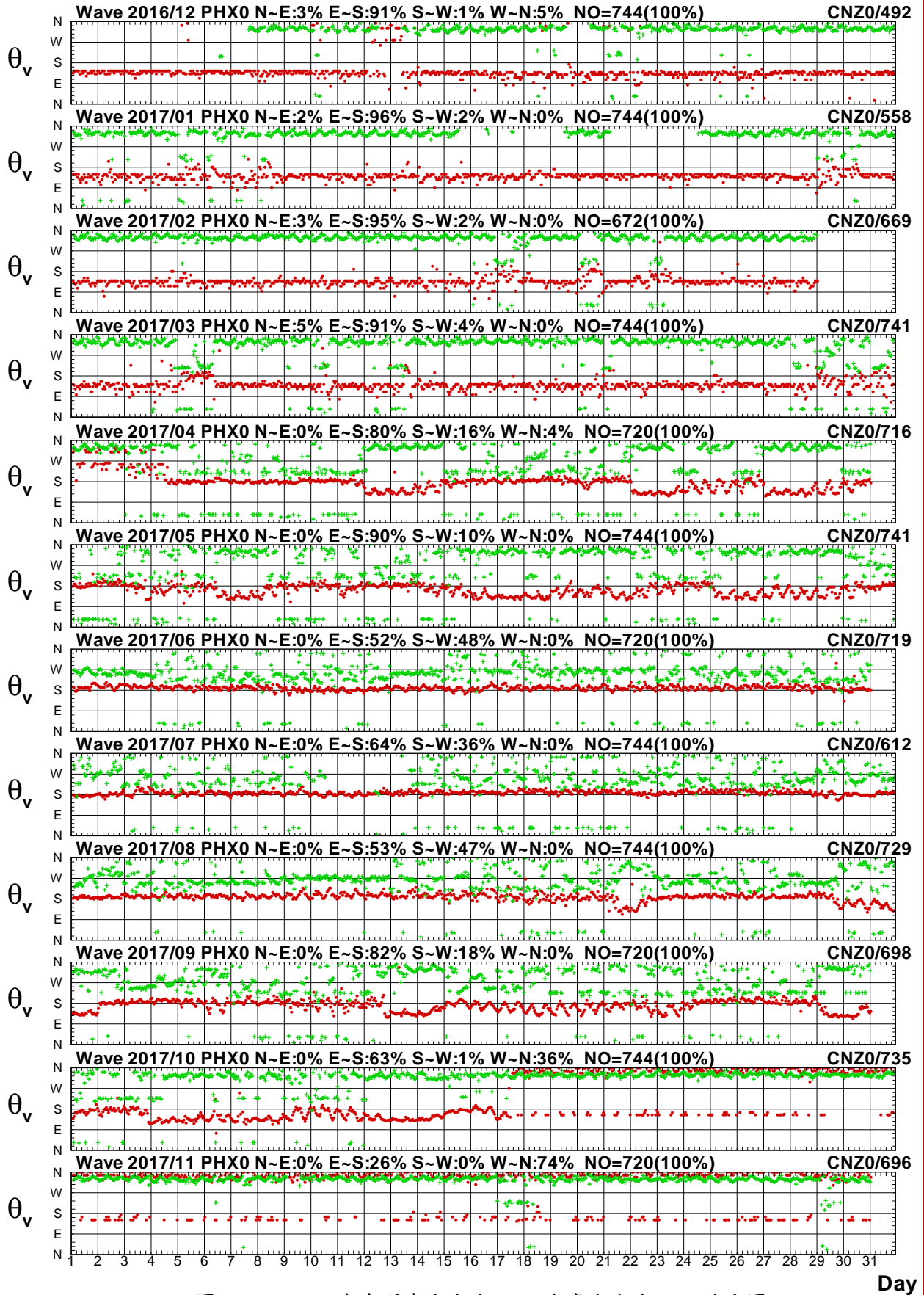


圖2.27c 2017年每月澎湖海域 X 站與嘉南海域 Z 站波向圖

V16CPHX0.1HA V16CCNZ0.1H0 V171PHX0.1HA V171CNZ0.1H0 V172PHX0.1HA V172CNZ0.1H0
 V173PHX0.1HA V173CNZ0.1H0 V174PHX0.1HA V174CNZ0.1H0 V175PHX0.1HA V175CNZ0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

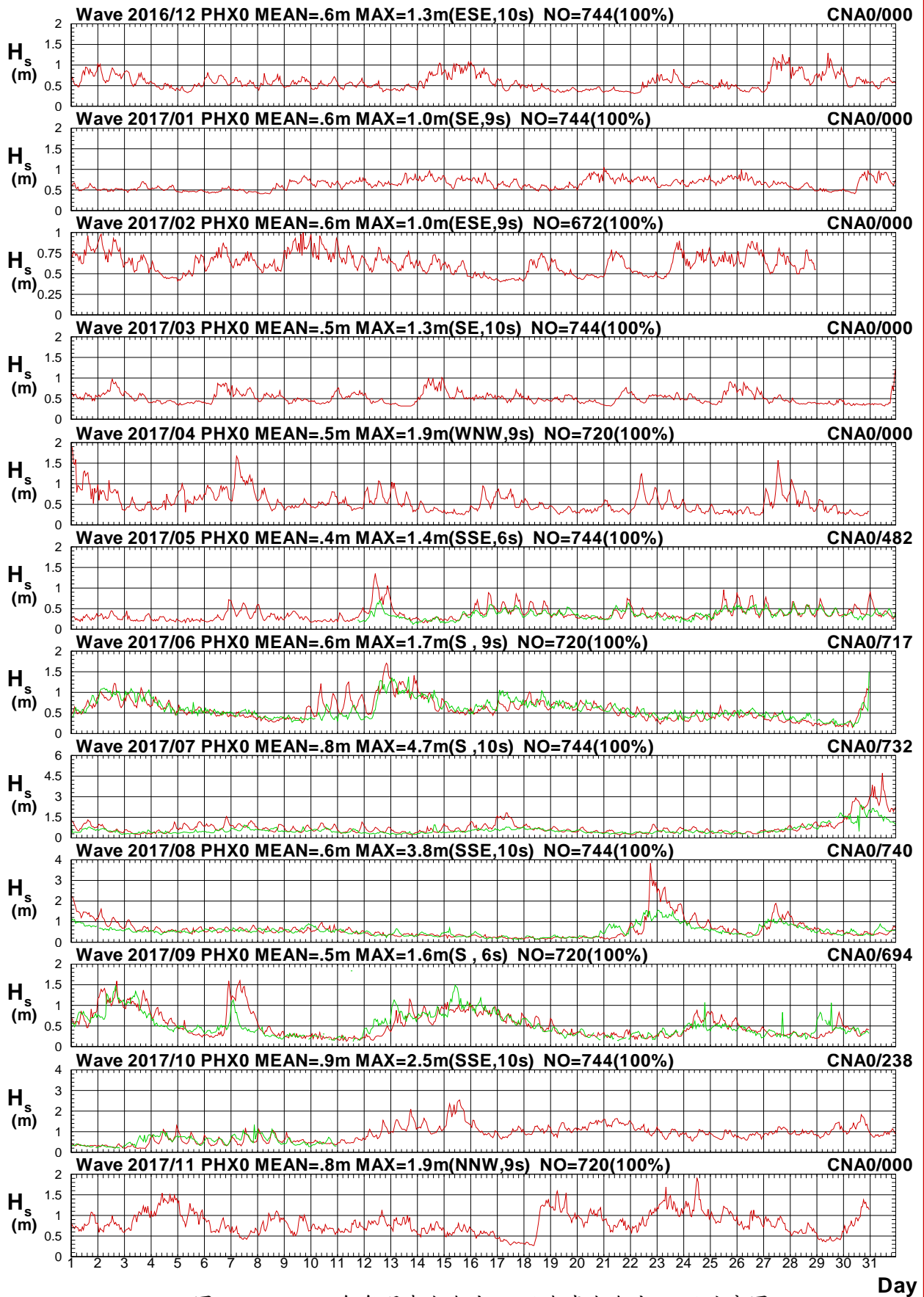


圖2.28a 2017年每月澎湖海域 X 站與嘉南海域 A 站波高圖

V16CPHX0.1HA V16CCNA0.1H0 V171PHX0.1HA V171CNA0.1H0 V172PHX0.1HA V172CNA0.1H0
 V173PHX0.1HA V173CNA0.1H0 V174PHX0.1HA V174CNA0.1H0 V175PHX0.1HA V175CNA0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

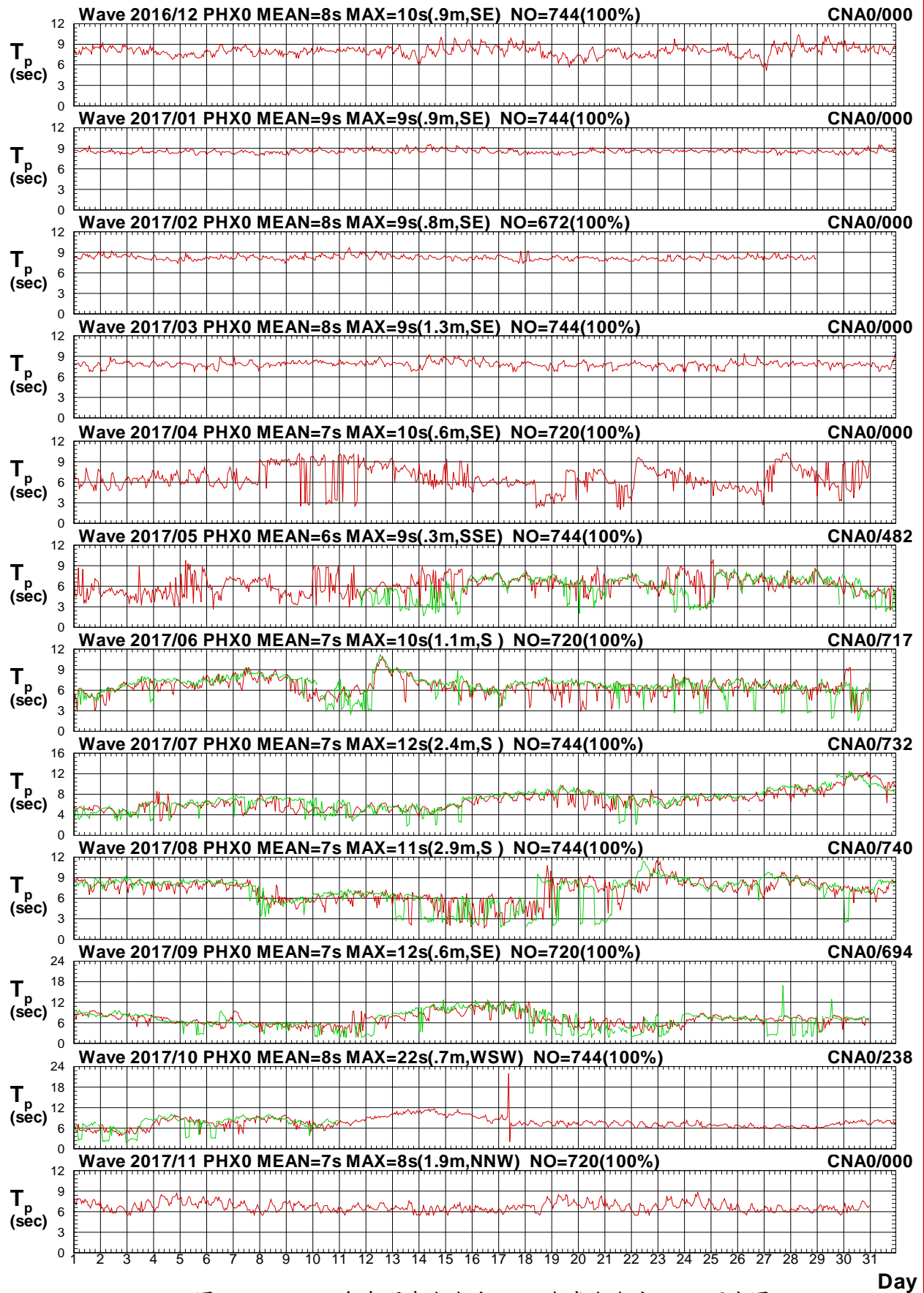


圖2.28b 2017年每月澎湖海域 X 站與嘉南海域 A 站週期圖

V16CPHX0.1HA V16CCNA0.1H0 V171PHX0.1HA V171CNA0.1H0 V172PHX0.1HA V172CNA0.1H0
 V173PHX0.1HA V173CNA0.1H0 V174PHX0.1HA V174CNA0.1H0 V175PHX0.1HA V175CNA0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

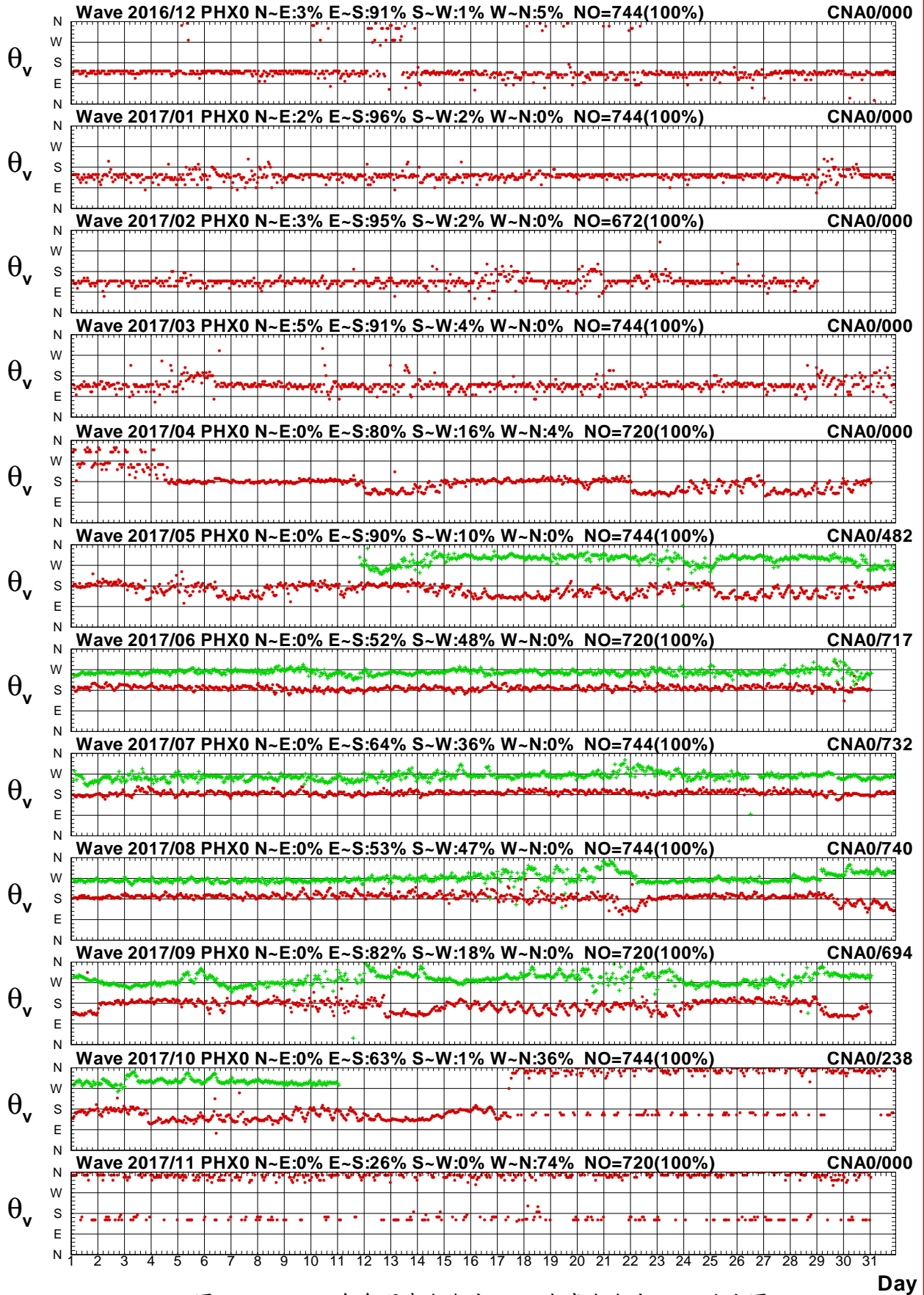


圖2.28c 2017年每月澎湖海域 X 站與嘉南海域 A 站波向圖

V16CPHX0.1HA V16CCNA0.1H0 V171PHX0.1HA V171CNA0.1H0 V172PHX0.1HA V172CNA0.1H0
 V173PHX0.1HA V173CNA0.1H0 V174PHX0.1HA V174CNA0.1H0 V175PHX0.1HA V175CNA0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

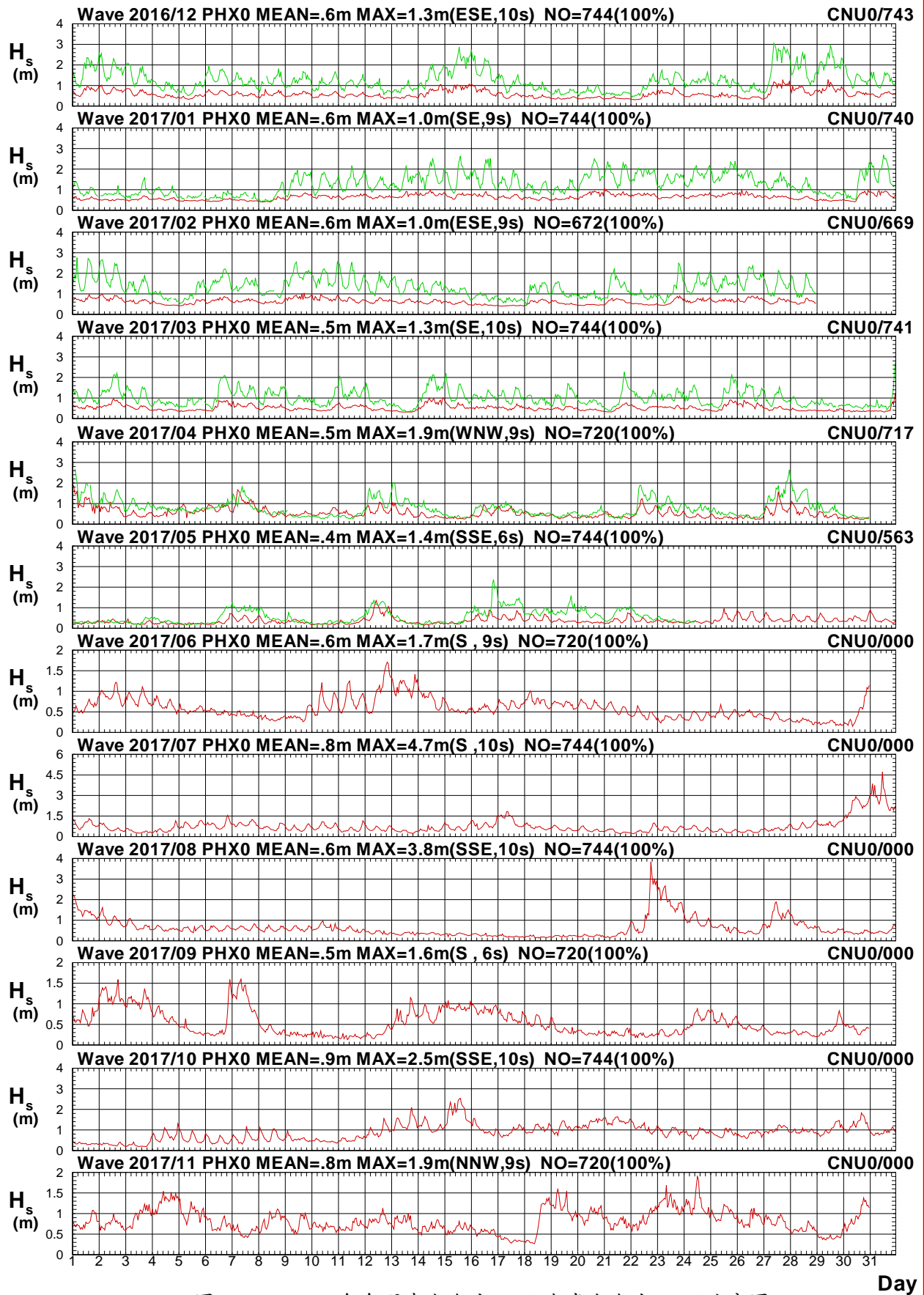


圖2.29a 2017年每月澎湖海域 X 站與嘉南海域 U 站波高圖

V16CPHX0.1HA V16CCNU0.1H0 V171PHX0.1HA V171CNU0.1H0 V172PHX0.1HA V172CNU0.1H0
 V173PHX0.1HA V173CNU0.1H0 V174PHX0.1HA V174CNU0.1H0 V175PHX0.1HA V175CNU0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

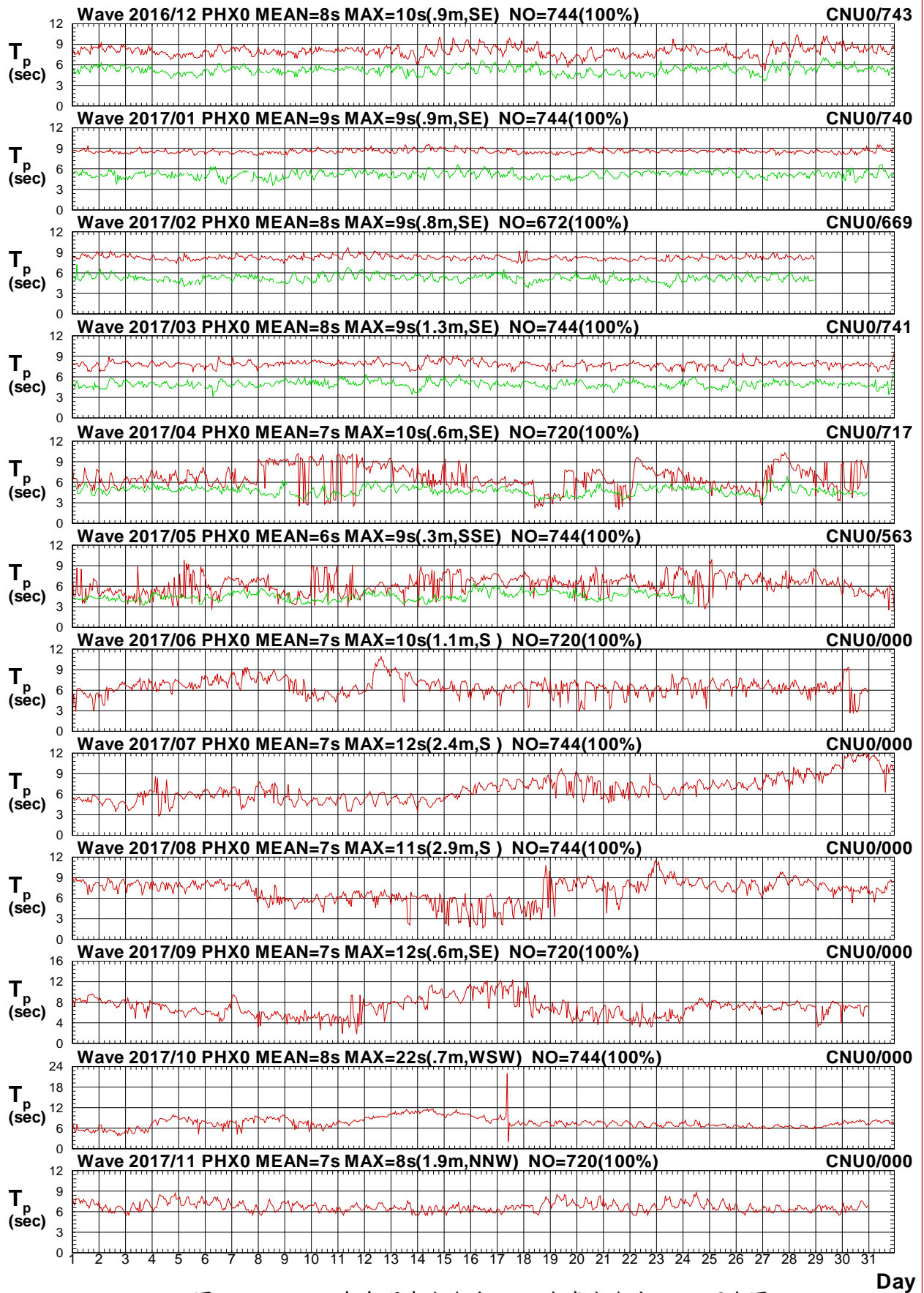


圖2.29b 2017年每月澎湖海域 X 站與嘉南海域 U 站週期圖

V16CPHX0.1HA V16CCNU0.1H0 V171PHX0.1HA V171CNU0.1H0 V172PHX0.1HA V172CNU0.1H0
 V173PHX0.1HA V173CNU0.1H0 V174PHX0.1HA V174CNU0.1H0 V175PHX0.1HA V175CNU0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

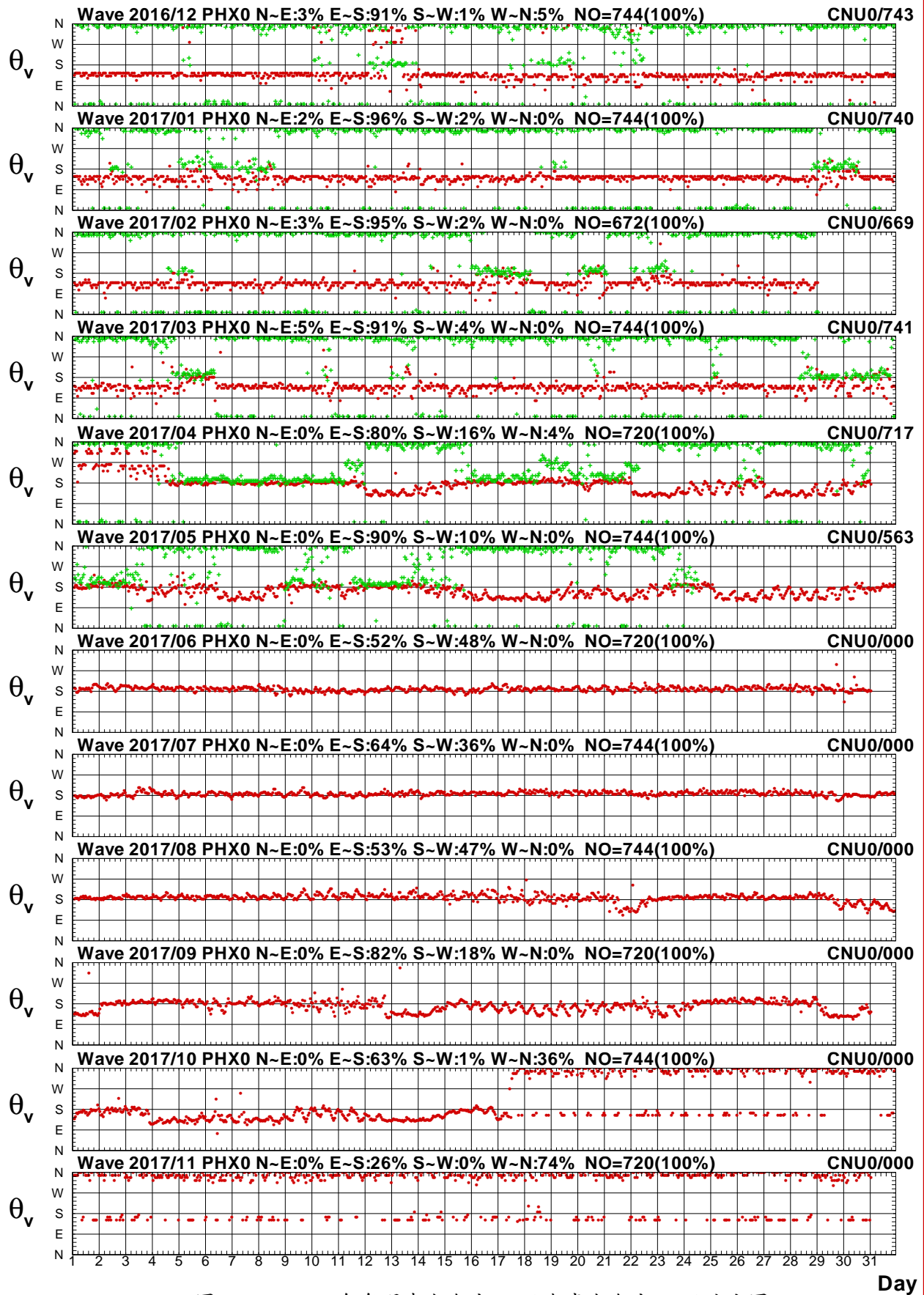


圖2.29c 2017年每月澎湖海域 X 站與嘉南海域 U 站波向圖

V16CPHX0.1HA V16CCNU0.1H0 V171PHX0.1HA V171CNU0.1H0 V172PHX0.1HA V172CNU0.1H0
 V173PHX0.1HA V173CNU0.1H0 V174PHX0.1HA V174CNU0.1H0 V175PHX0.1HA V175CNU0.1H0

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Wave H_s in Peng-Hu Seas of PHX0 at 2017

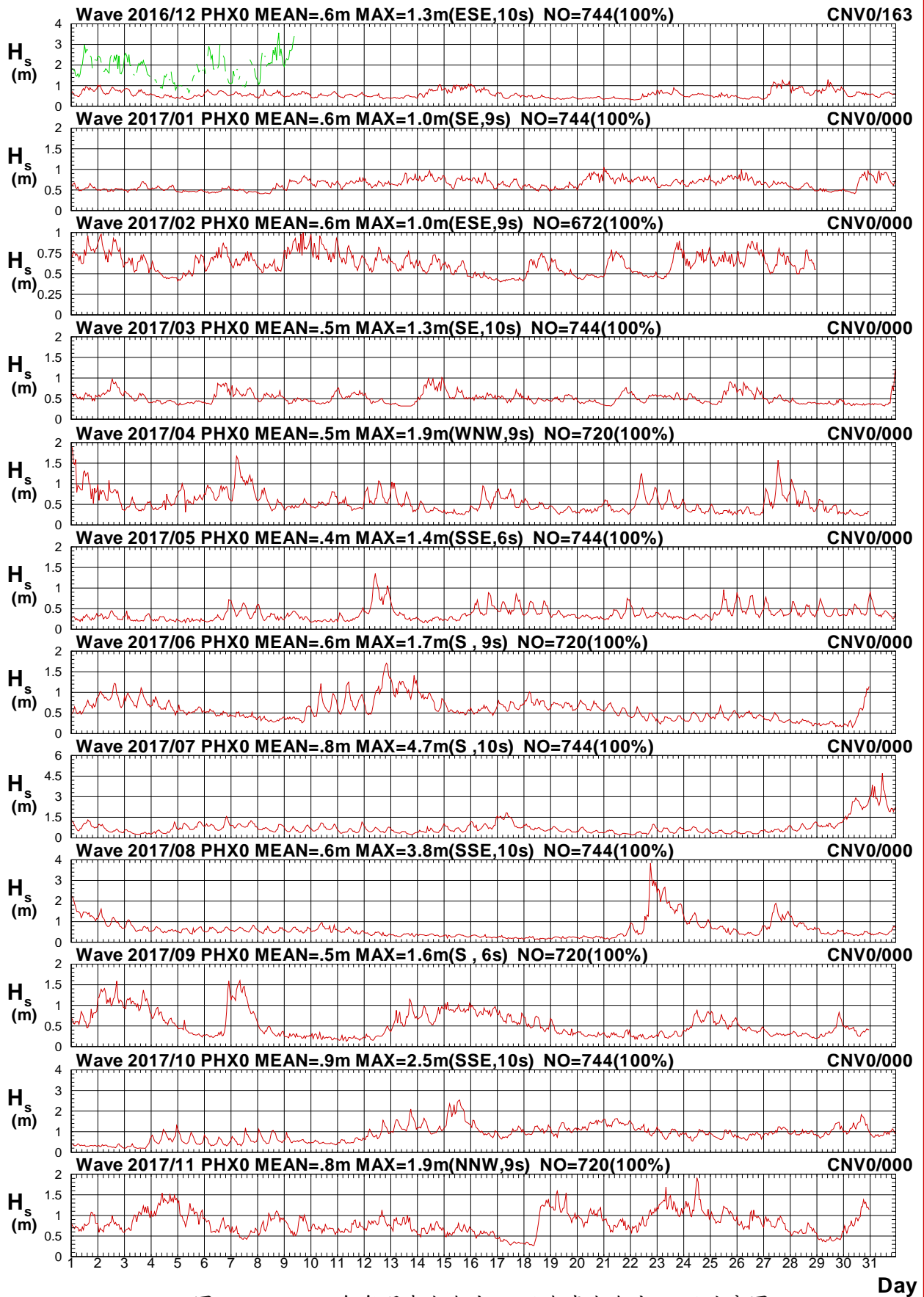


圖2.30a 2017年每月澎湖海域 X 站與嘉南海域 V 站波高圖

V16CPHX0.1HA V16CCNV0.1H0 V171PHX0.1HA V171CNV0.1H0 V172PHX0.1HA V172CNV0.1H0
 V173PHX0.1HA V173CNV0.1H0 V174PHX0.1HA V174CNV0.1H0 V175PHX0.1HA V175CNV0.1H0

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Wave T_p in Peng-Hu Seas of PHX0 at 2017

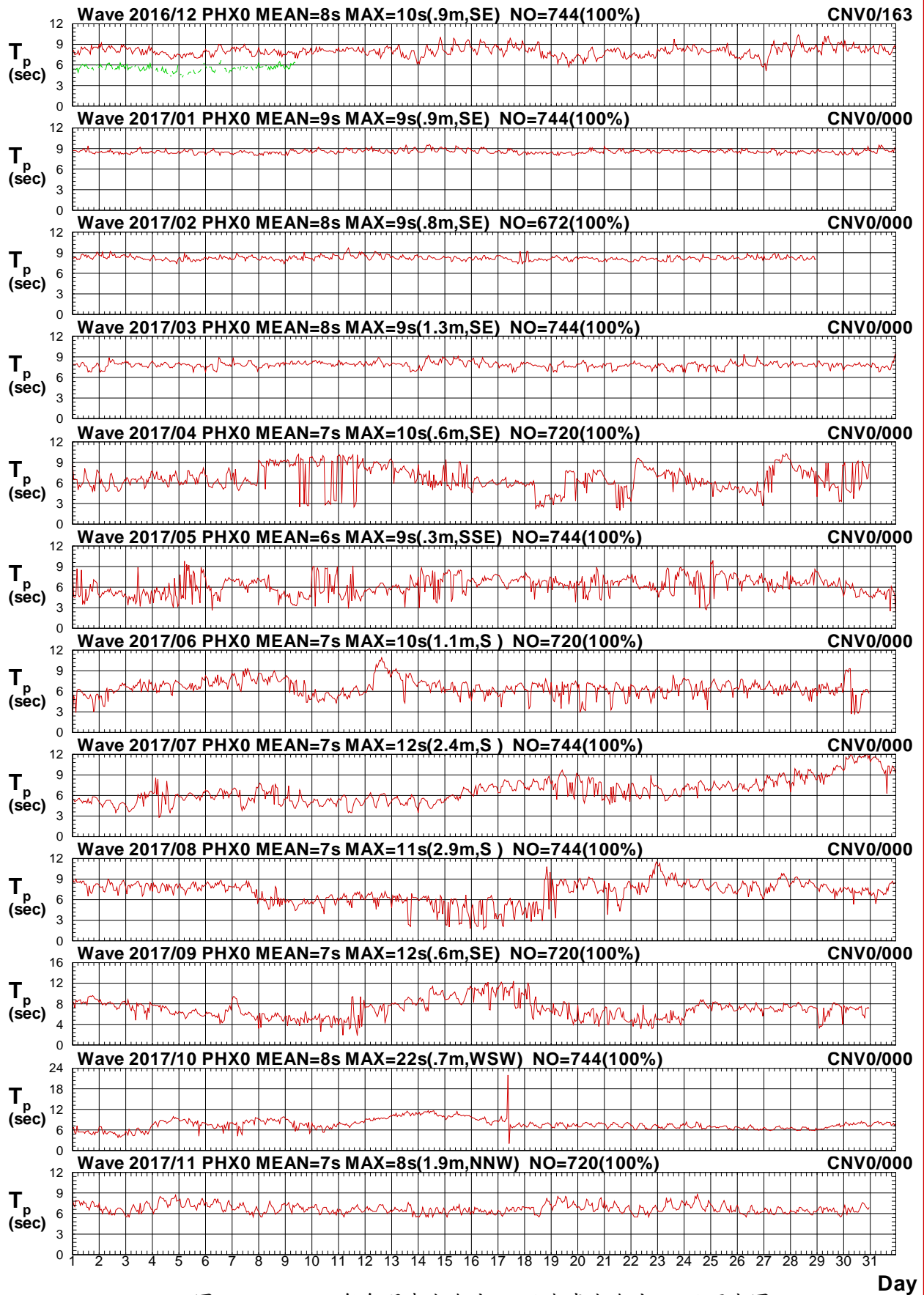


圖2.30b 2017年每月澎湖海域 X 站與嘉南海域 V 站週期圖

V16CPHX0.1HA V16CCNV0.1H0 V171PHX0.1HA V171CNV0.1H0 V172PHX0.1HA V172CNV0.1H0
 V173PHX0.1HA V173CNV0.1H0 V174PHX0.1HA V174CNV0.1H0 V175PHX0.1HA V175CNV0.1H0

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Wave Direction in Peng-Hu Seas of PHX0 at 2017

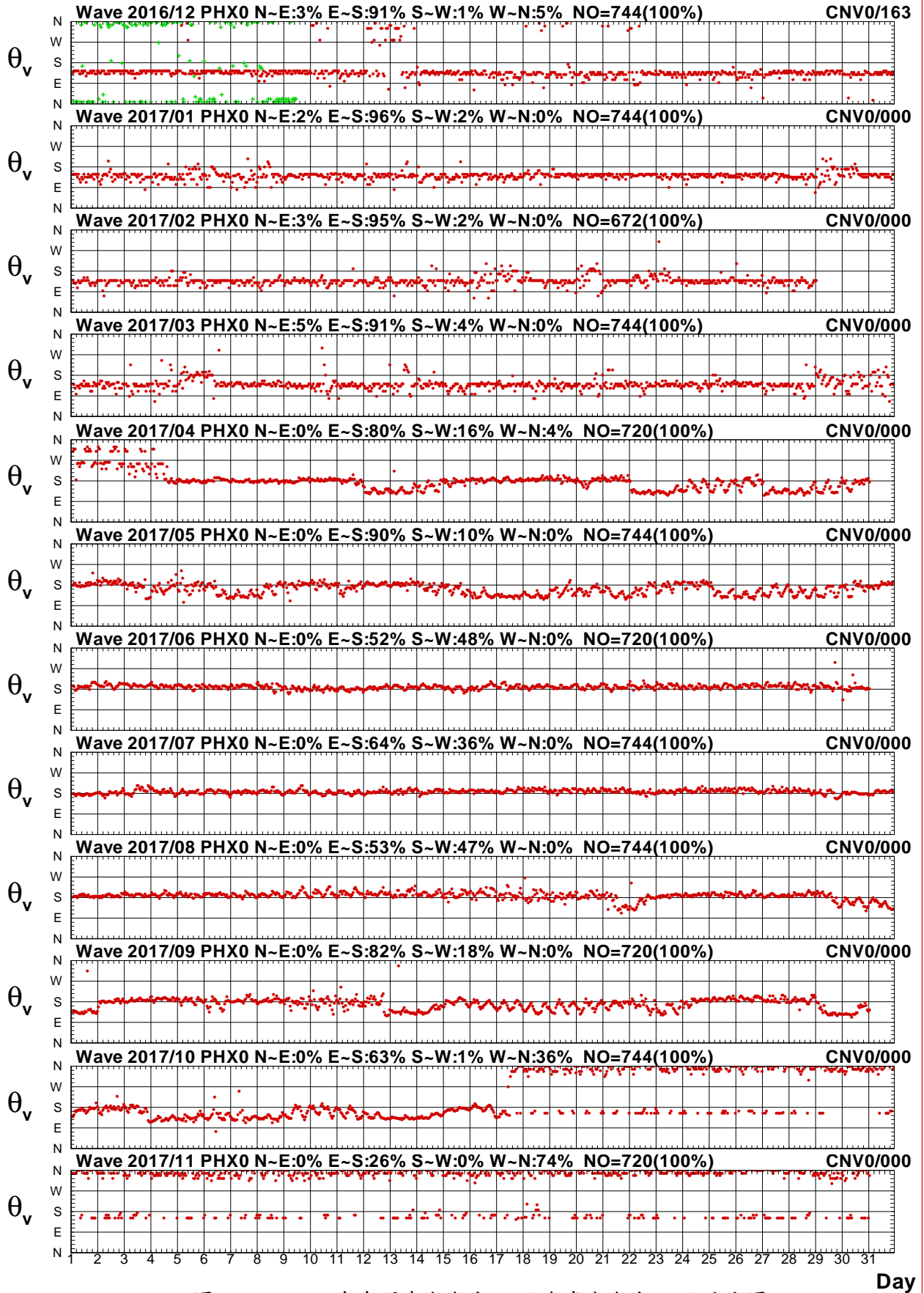


圖2.30c 2017年每月澎湖海域 X 站與嘉南海域 V 站波向圖

V16CPHX0.1HA V16CCNV0.1H0 V171PHX0.1HA V171CNV0.1H0 V172PHX0.1HA V172CNV0.1H0
 V173PHX0.1HA V173CNV0.1H0 V174PHX0.1HA V174CNV0.1H0 V175PHX0.1HA V175CNV0.1H0

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第三章 2017 年澎湖海域觀測潮汐資料

澎湖海域潮汐之觀測包括測站 **T**、測站 **F**、測站 **S**、測站 **X**、測站 **J** 及測站 **P** 等 6 個測站(測站位置如第 0 章圖 TG1)。測站 **T** 與其他 5 個測站特性皆相近。本年報取經檢核及補遺之測站 **T** 資料作為主要測站。

本**潮汐**年報資料處理之圖表包括：

1. 2017 年**各觀測站**每月**觀測潮汐**資料**修補前**記錄統計表。
2. 2017 年**各觀測站**每月**觀測潮汐**資料**修補後**記錄統計表。
3. 2017 年**各觀測站修補前後**每月**潮位**歷線比較圖。
4. 2017 年**各觀測站**之**觀測潮位**與**計算天文潮位**每月**潮汐**歷線比較圖。
5. 2017 年**主要測站**之**觀測潮位**與**次要觀測站**每月**潮汐**歷線比較圖。

表 3.1a 2017 年每月澎湖海域修補前各測站觀測潮汐資料紀錄表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	T	F	S	X	J	A						
2016/12 月	744(100%)	709(95.3%)	744(100%)	*	*	744(100%)	*	*	*	*	*	*
2017/ 1 月	744(100%)	596(80.1%)	744(100%)	*	*	744(100%)	*	*	*	*	*	*
2017/ 2 月	672(100%)	668(99.4%)	672(100%)	*	564(83.9%)	672(100%)	*	*	*	*	*	*
2017/ 3 月	744(100%)	683(91.8%)	744(100%)	*	676(90.9%)	744(100%)	*	*	*	*	*	*
2017/ 4 月	306(42.5%)	606(84.2%)	62(8.6%)	634(88.1%)	609(84.6%)	720(100%)	*	*	*	*	*	*
2017/ 5 月	*	696(93.5%)	*	744(100%)	691(92.9%)	721(96.9%)	*	*	*	*	*	*
2017/ 6 月	*	360(50.0%)	*	720(100%)	361(50.1%)	720(100%)	*	*	*	*	*	*
2017/ 7 月	*	683(91.8%)	*	744(100%)	665(89.4%)	744(100%)	*	*	*	*	*	*
2017/ 8 月	*	416(55.9%)	*	738(99.2%)	127(17.1%)	425(57.1%)	*	*	*	*	*	*
2017/ 9 月	686(95.3%)	446(61.9%)	*	720(100%)	436(60.6%)	708(98.3%)	*	*	*	*	*	*
2017/10 月	390(52.4%)	582(78.2%)	*	393(52.8%)	582(78.2%)	743(99.9%)	*	*	*	*	*	*
2017/11 月	20(2.8%)	624(86.7%)	*	*	607(84.3%)	711(98.8%)	*	*	*	*	*	*
2017/冬季	2160(100%)	1973(91.3%)	2160(100%)	*	564(26.1%)	2160(100%)	*	*	*	*	*	*
2017/春季	1050(47.6%)	1985(89.9%)	806(36.5%)	1378(62.4%)	1976(89.5%)	2185(99.0%)	*	*	*	*	*	*
2017/夏季	*	1459(66.1%)	*	2202(99.7%)	1153(52.2%)	1889(85.6%)	*	*	*	*	*	*
2017/秋季	1096(50.2%)	1652(75.6%)	*	1113(51.0%)	1625(74.4%)	2162(99.0%)	*	*	*	*	*	*
2017/整年	4306(49.2%)	7069(80.7%)	2966(33.9%)	4693(53.6%)	5318(60.7%)	8396(95.8%)	*	*	*	*	*	*
起始年月	2016/12	2016/12	2016/12	2017/04	2017/02	2016/12	*	*	*	*	*	*
結束年月	2017/11	2017/11	2017/04	2017/10	2017/11	2017/11	*	*	*	*	*	*

3-2

表 3.1b 2017 年每月澎湖海域修補後各測站潮汐資料紀錄表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	T	F	S	X	J	A						
2016/12 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*
2017/ 1 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*
2017/ 2 月	672(100%)	672(100%)	672(100%)	672(100%)	672(100%)	672(100%)	*	*	*	*	*	*
2017/ 3 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*
2017/ 4 月	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*
2017/ 5 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*
2017/ 6 月	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*
2017/ 7 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*
2017/ 8 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*
2017/ 9 月	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*
2017/10 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*
2017/11 月	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*
2017/冬季	2160(100%)	2160(100%)	2160(100%)	2160(100%)	2160(100%)	2160(100%)	*	*	*	*	*	*
2017/春季	2208(100%)	2208(100%)	2208(100%)	2208(100%)	2208(100%)	2208(100%)	*	*	*	*	*	*
2017/夏季	2208(100%)	2208(100%)	2208(100%)	2208(100%)	2208(100%)	2208(100%)	*	*	*	*	*	*
2017/秋季	2184(100%)	2184(100%)	2184(100%)	2184(100%)	2184(100%)	2184(100%)	*	*	*	*	*	*
2017/整年	8760(100%)	8760(100%)	8760(100%)	8760(100%)	8760(100%)	8760(100%)	*	*	*	*	*	*
起始年月	2016/12	2016/12	2016/12	2016/12	2016/12	2016/12	*	*	*	*	*	*
結束年月	2017/11	2017/11	2017/11	2017/11	2017/11	2017/11	*	*	*	*	*	*

表3.2a 2017年澎湖海域 T 站修補前潮差週期及潮位重要統計量統計表

序 號	日期 (年/月)	測 站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2016/12	T	205	298	256	289	12.4	14.0	13.2	13.6	59	277	450	107	744(100%)
2	2017/01	T	205	287	256	278	12.4	14.0	13.3	14.0	59	253	418	94	744(100%)
3	2017/02	T	202	294	259	285	12.4	14.0	13.1	13.4	53	248	403	67	672(100%)
4	2017/03	T	205	274	247	261	12.4	14.0	13.2	13.6	59	291	460	138	744(100%)
5	2017/04	T	204	277	246	268	13.5	25.0	16.6	25.0	23	313	458	165	306(43%)
6	2017/05	T													
7	2017/06	T													
8	2017/07	T													
9	2017/08	T													
10	2017/09	T	198	251	231	244	13.6	25.0	16.8	24.6	50	344	480	215	686(95%)
11	2017/10	T	226	286	266	286	13.1	25.0	15.2	25.0	18	329	511	138	390(52%)
12	2017/11	T	*	*	*	*	*	*	*	*	0	207	382	83	20(3%)
13	2017/冬	T	204	298	256	283	12.4	14.0	13.2	13.6	171	260	450	67	2160(100%)
14	2017/春	T	205	277	246	262	12.7	25.0	14.0	16.5	82	297	460	138	1050(48%)
15	2017/夏	T													
16	2017/秋	T	205	286	245	266	13.5	25.0	16.3	24.7	68	336	511	83	1096(50%)
17	2017/年	T	204	298	251	277	12.7	25.0	14.1	16.5	321	288	511	67	4306(49%)

表3.2b 2017年澎湖海域 T 站修補後潮差週期及潮位重要統計量統計表

序 號	日期 (年/月)	測 站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2016/12	T	205	298	256	289	12.4	14.0	13.2	13.6	59	277	450	107	744(100%)
2	2017/01	T	205	287	256	278	12.4	14.0	13.3	14.0	59	253	418	94	744(100%)
3	2017/02	T	202	294	259	285	12.4	14.0	13.1	13.4	53	248	403	67	672(100%)
4	2017/03	T	205	274	247	261	12.4	14.0	13.2	13.6	59	291	460	138	744(100%)
5	2017/04	T	181	277	226	250	12.6	25.0	13.8	16.0	56	321	460	58	720(100%)
6	2017/05	T	163	256	207	247	12.4	14.0	13.3	14.0	59	1451	1568	1310	744(100%)
7	2017/06	T	164	258	211	249	12.4	14.0	13.3	14.0	57	1453	1565	1302	720(100%)
8	2017/07	T	167	251	213	245	12.4	14.0	13.2	13.6	59	1452	1567	1315	744(100%)
9	2017/08	T	166	250	210	237	12.4	14.0	13.3	14.0	59	1482	1642	1327	744(100%)
10	2017/09	T	190	247	227	239	12.4	13.0	13.0	13.0	57	344	480	215	720(100%)
11	2017/10	T	199	285	250	272	12.4	13.0	13.0	13.0	59	316	511	138	744(100%)
12	2017/11	T	210	299	257	286	12.4	14.0	13.1	13.2	57	303	494	80	720(100%)
13	2017/冬	T	204	298	256	283	12.4	14.0	13.2	13.6	171	260	450	67	2160(100%)
14	2017/春	T	183	277	233	255	12.5	25.0	13.4	14.4	174	692	1568	58	2208(100%)
15	2017/夏	T	166	258	211	241	12.4	14.0	13.3	13.9	175	1463	1642	1302	2208(100%)
16	2017/秋	T	199	299	246	271	12.4	14.0	13.0	13.1	173	321	511	80	2184(100%)
17	2017/年	T	188	299	239	267	12.4	25.0	13.2	13.7	693	687	1642	58	8760(100%)

表3.3a 2017年澎湖海域 F 站修補前潮差週期及潮位重要統計量統計表

序 號	日期 (年/月)	測 站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2016/12	F	210	309	265	301	15.4	25.0	21.7	25.0	45	-226	-55	-388	709(95%)
2	2017/01	F	199	298	248	287	13.7	25.0	16.7	24.5	41	-233	-82	-387	596(80%)
3	2017/02	F	203	274	247	264	13.2	26.0	15.4	20.8	50	-229	-80	-377	668(99%)
4	2017/03	F	205	273	242	255	12.9	25.0	14.5	19.0	48	-224	-74	-357	683(92%)
5	2017/04	F	190	280	231	255	13.7	25.0	16.5	24.5	40	-230	-78	-384	606(84%)
6	2017/05	F	198	298	247	290	12.7	24.0	13.7	15.8	49	-234	-87	-391	696(94%)
7	2017/06	F	190	296	246	296	15.2	25.0	22.8	25.0	17	-224	-92	-397	360(50%)
8	2017/07	F	200	290	246	284	13.2	25.0	15.3	22.0	48	-226	-85	-384	683(92%)
9	2017/08	F	181	247	225	247	13.1	25.0	15.4	25.0	17	-218	-54	-366	416(56%)
10	2017/09	F	197	255	238	253	13.0	26.0	15.1	20.0	22	-213	-79	-344	446(62%)
11	2017/10	F	206	279	255	274	13.4	25.0	15.9	24.7	36	-202	-52	-339	582(78%)
12	2017/11	F	215	309	264	300	14.0	25.0	17.5	25.0	39	-220	-64	-375	624(87%)
13	2017/冬	F	204	309	253	288	14.1	26.0	17.8	25.1	136	-229	-55	-388	1973(91%)
14	2017/春	F	198	298	242	270	13.1	25.0	14.8	19.2	137	-230	-74	-391	1985(90%)
15	2017/夏	F	194	296	241	276	13.6	25.0	16.6	25.0	82	-223	-54	-397	1459(66%)
16	2017/秋	F	208	309	256	281	13.6	26.0	16.4	24.8	97	-212	-52	-375	1652(76%)
17	2017/年	F	201	309	249	279	13.6	26.0	16.4	24.0	452	-224	-52	-397	7069(81%)

3-6

表3.3b 2017年澎湖海域 F 站修補後潮差週期及潮位重要統計量統計表

序 號	日期 (年/月)	測 站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2016/12	F	207	319	258	296	12.4	14.0	13.2	13.6	59	-226	-55	-388	744(100%)
2	2017/01	F	206	288	257	281	12.4	14.0	13.2	13.6	59	-231	-69	-388	744(100%)
3	2017/02	F	204	288	254	282	12.7	26.0	13.9	16.0	52	-229	-80	-377	672(100%)
4	2017/03	F	206	278	246	262	12.6	24.0	13.6	15.4	58	-225	-74	-357	744(100%)
5	2017/04	F	199	289	242	271	12.9	25.0	14.4	18.2	55	-229	-70	-461	720(100%)
6	2017/05	F	195	302	244	290	12.4	14.0	13.1	13.2	59	-234	-87	-391	744(100%)
7	2017/06	F	181	302	235	277	12.4	14.0	13.2	13.6	57	-226	-92	-397	720(100%)
8	2017/07	F	198	298	246	284	12.6	25.0	13.6	15.4	58	-224	-85	-384	744(100%)
9	2017/08	F	187	251	231	248	13.3	25.0	15.8	22.8	55	-221	-54	-366	744(100%)
10	2017/09	F	197	260	235	253	12.4	13.0	13.0	13.0	57	-215	-71	-345	720(100%)
11	2017/10	F	205	285	255	277	12.6	24.0	13.6	15.2	58	-200	-36	-339	744(100%)
12	2017/11	F	209	296	257	286	12.6	24.0	13.7	15.4	56	-219	-60	-375	720(100%)
13	2017/冬	F	206	319	256	284	12.5	26.0	13.4	14.2	170	-229	-55	-388	2160(100%)
14	2017/春	F	200	302	245	272	12.6	25.0	13.7	15.3	172	-230	-70	-461	2208(100%)
15	2017/夏	F	189	302	238	268	12.8	25.0	14.2	16.8	170	-224	-54	-397	2208(100%)
16	2017/秋	F	204	296	250	273	12.6	24.0	13.4	14.4	171	-211	-36	-375	2184(100%)
17	2017/年	F	200	319	248	276	12.6	26.0	13.6	15.2	683	-223	-36	-461	8760(100%)

表3.4a 2017年澎湖海域 S 站修補前潮差週期及潮位重要統計量統計表

序 號	日期 (年/月)	測 站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2016/12	S	173	255	217	246	12.4	14.0	13.1	13.4	59	211	350	64	744(100%)
2	2017/01	S	173	245	216	236	12.4	14.0	13.1	13.4	59	203	332	64	744(100%)
3	2017/02	S	172	248	223	244	12.4	14.0	13.1	13.4	53	208	332	72	672(100%)
4	2017/03	S	173	227	206	218	12.4	14.0	13.1	13.2	59	213	336	99	744(100%)
5	2017/04	S	203	240	240	0	12.5	13.0	13.0	100.0	4	212	333	-6	62(9%)
6	2017/05	S													
7	2017/06	S													
8	2017/07	S													
9	2017/08	S													
10	2017/09	S													
11	2017/10	S													
12	2017/11	S													
13	2017/冬	S	173	255	217	242	12.4	14.0	13.1	13.4	171	208	350	64	2160(100%)
14	2017/春	S	175	240	208	223	12.4	14.0	13.1	13.2	63	213	336	-6	806(37%)
15	2017/夏	S													
16	2017/秋	S													
17	2017/年	S	173	255	215	239	12.4	14.0	13.1	13.3	234	209	350	-6	2966(34%)

表3.4b 2017年澎湖海域 S 站修補後潮差週期及潮位重要統計量統計表

序 號	日期 (年/月)	測 站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2016/12	S	173	255	217	246	12.4	14.0	13.1	13.4	59	211	350	64	744(100%)
2	2017/01	S	173	245	216	236	12.4	14.0	13.1	13.4	59	203	332	64	744(100%)
3	2017/02	S	172	248	223	244	12.4	14.0	13.1	13.4	53	208	332	72	672(100%)
4	2017/03	S	173	227	206	218	12.4	14.0	13.1	13.2	59	213	336	99	744(100%)
5	2017/04	S	177	243	220	236	12.6	25.0	13.8	16.0	56	256	396	-6	720(100%)
6	2017/05	S	163	256	207	247	12.4	14.0	13.3	14.0	59	1451	1568	1310	744(100%)
7	2017/06	S	164	258	211	249	12.4	14.0	13.3	14.0	57	1453	1565	1302	720(100%)
8	2017/07	S	167	251	213	245	12.4	14.0	13.2	13.6	59	1452	1567	1315	744(100%)
9	2017/08	S	166	250	210	237	12.4	14.0	13.3	14.0	59	1482	1642	1327	744(100%)
10	2017/09	S	190	247	227	239	12.4	13.0	13.0	13.0	57	344	480	215	720(100%)
11	2017/10	S	199	285	250	272	12.4	13.0	13.0	13.0	59	316	511	138	744(100%)
12	2017/11	S	210	299	257	286	12.4	14.0	13.1	13.2	57	303	494	80	720(100%)
13	2017/冬	S	173	255	217	242	12.4	14.0	13.1	13.4	171	208	350	64	2160(100%)
14	2017/春	S	171	256	212	233	12.5	25.0	13.4	14.3	174	644	1568	-6	2208(100%)
15	2017/夏	S	166	258	211	241	12.4	14.0	13.3	13.9	175	1463	1642	1302	2208(100%)
16	2017/秋	S	199	299	246	271	12.4	14.0	13.0	13.1	173	321	511	80	2184(100%)
17	2017/年	S	177	299	225	251	12.4	25.0	13.2	13.6	693	662	1642	-6	8760(100%)

表3.5a 2017年澎湖海域 X 站修補前潮差週期及潮位重要統計量統計表

序 號	日期 (年/月)	測 站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2016/12	X													
2	2017/01	X													
3	2017/02	X													
4	2017/03	X													
5	2017/04	X	166	243	203	235	12.7	25.0	13.9	16.8	49	1460	1588	1322	634(88%)
6	2017/05	X	163	256	207	247	12.4	14.0	13.3	14.0	59	1451	1568	1310	744(100%)
7	2017/06	X	164	258	211	249	12.4	14.0	13.3	14.0	57	1453	1565	1302	720(100%)
8	2017/07	X	167	251	213	245	12.4	14.0	13.2	13.6	59	1452	1567	1315	744(100%)
9	2017/08	X	167	237	206	228	12.6	25.0	13.9	16.2	58	1482	1642	1327	738(99%)
10	2017/09	X	167	217	198	210	12.4	14.0	13.1	13.2	57	1515	1627	1399	720(100%)
11	2017/10	X	175	229	212	224	12.4	13.0	13.0	13.0	31	1524	1643	1406	393(53%)
12	2017/11	X													
13	2017/冬	X													
14	2017/春	X	164	256	205	239	12.5	25.0	13.6	15.1	108	1455	1588	1310	1378(62%)
15	2017/夏	X	166	258	210	239	12.5	25.0	13.5	14.6	174	1462	1642	1302	2202(100%)
16	2017/秋	X	169	229	205	217	12.4	14.0	13.0	13.1	88	1518	1643	1399	1113(51%)
17	2017/年	X	166	258	207	233	12.5	25.0	13.4	14.3	370	1473	1643	1302	4693(54%)

3-10

表3.5b 2017年澎湖海域 X 站修補後潮差週期及潮位重要統計量統計表

序 號	日期 (年/月)	測 站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2016/12	X	205	298	256	289	12.4	14.0	13.2	13.6	59	277	450	107	744(100%)
2	2017/01	X	205	287	256	278	12.4	14.0	13.3	14.0	59	253	418	94	744(100%)
3	2017/02	X	202	294	259	285	12.4	14.0	13.1	13.4	53	248	403	67	672(100%)
4	2017/03	X	205	274	247	261	12.4	14.0	13.2	13.6	59	291	460	138	744(100%)
5	2017/04	X	171	277	212	250	12.6	25.0	13.8	16.0	56	1463	1641	1251	720(100%)
6	2017/05	X	163	256	207	247	12.4	14.0	13.3	14.0	59	1451	1568	1310	744(100%)
7	2017/06	X	164	258	211	249	12.4	14.0	13.3	14.0	57	1453	1565	1302	720(100%)
8	2017/07	X	167	251	213	245	12.4	14.0	13.2	13.6	59	1452	1567	1315	744(100%)
9	2017/08	X	166	250	210	237	12.4	14.0	13.3	14.0	59	1482	1642	1327	744(100%)
10	2017/09	X	167	217	198	210	12.4	14.0	13.1	13.2	57	1515	1627	1399	720(100%)
11	2017/10	X	188	277	237	261	12.4	13.0	13.0	13.0	59	1493	1644	1316	744(100%)
12	2017/11	X	210	299	257	286	12.4	14.0	13.1	13.2	57	303	494	80	720(100%)
13	2017/冬	X	204	298	256	283	12.4	14.0	13.2	13.6	171	260	450	67	2160(100%)
14	2017/春	X	180	277	230	255	12.5	25.0	13.4	14.4	174	1064	1641	138	2208(100%)
15	2017/夏	X	166	258	211	241	12.4	14.0	13.3	13.9	175	1463	1642	1302	2208(100%)
16	2017/秋	X	188	299	236	267	12.4	14.0	13.0	13.1	173	1108	1644	80	2184(100%)
17	2017/年	X	184	299	236	266	12.4	25.0	13.2	13.8	693	977	1644	67	8760(100%)

3-11

表3.6a 2017年澎湖海域J站修補前潮差週期及潮位重要統計量統計表

序號	日期 (年/月)	測站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2016/12	J													
2	2017/01	J													
3	2017/02	J	105	161	136	148	14.3	26.0	18.9	25.3	40	-326	-241	-419	564(84%)
4	2017/03	J	108	146	131	139	13.8	25.0	17.0	25.0	45	-322	-241	-403	676(91%)
5	2017/04	J	104	148	128	136	13.6	25.0	16.3	24.5	43	-326	-240	-428	609(85%)
6	2017/05	J	105	179	142	173	13.1	25.0	15.1	19.5	44	-332	-250	-430	691(93%)
7	2017/06	J	107	187	147	187	15.8	25.0	23.2	25.0	18	-322	-250	-437	361(50%)
8	2017/07	J	110	175	149	172	13.8	25.0	17.5	25.0	46	-320	-242	-418	665(89%)
9	2017/08	J	115	158	0	0	11.0	11.0	.0	100.0	2	-309	-205	-410	127(17%)
10	2017/09	J	108	159	142	154	14.6	26.0	20.1	25.5	23	-313	-228	-391	436(61%)
11	2017/10	J	112	161	144	158	13.9	26.0	17.5	25.3	35	-290	-190	-390	582(78%)
12	2017/11	J	*	*	*	*	*	*	*	*	0	-585	-232	-591	607(84%)
13	2017/冬	J	105	161	136	148	14.3	26.0	18.9	25.3	40	-326	-241	-419	564(26%)
14	2017/春	J	106	179	134	151	13.5	25.0	16.1	23.1	132	-327	-240	-430	1976(90%)
15	2017/夏	J	109	187	149	173	14.2	25.0	18.8	25.0	66	-319	-205	-437	1153(52%)
16	2017/秋	J	110	161	142	156	14.2	26.0	18.2	25.4	58	-406	-190	-591	1625(74%)
17	2017/年	J	107	187	139	159	13.9	26.0	17.5	25.1	296	-349	-190	-591	5318(61%)

3-12

表3.6b 2017年澎湖海域J站修補後潮差週期及潮位重要統計量統計表

序 號	日期 (年/月)	測 站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2016/12	J	205	298	256	289	12.4	14.0	13.2	13.6	59	277	450	107	744(100%)
2	2017/01	J	205	287	256	278	12.4	14.0	13.3	14.0	59	253	418	94	744(100%)
3	2017/02	J	125	252	185	229	13.2	25.0	15.6	20.6	50	-330	-229	-483	672(100%)
4	2017/03	J	121	256	167	237	12.6	27.0	13.8	16.0	58	-325	-194	-467	744(100%)
5	2017/04	J	121	277	170	237	13.6	25.0	16.6	24.4	52	-326	-172	-562	720(100%)
6	2017/05	J	109	178	144	170	12.9	25.0	14.7	18.2	54	-332	-246	-432	744(100%)
7	2017/06	J	136	246	182	214	12.9	25.0	14.7	18.4	55	-322	-185	-474	720(100%)
8	2017/07	J	114	223	158	186	12.4	15.0	13.5	14.2	59	-321	-233	-468	744(100%)
9	2017/08	J	158	215	196	210	12.6	25.0	14.1	16.4	58	-327	-149	-480	744(100%)
10	2017/09	J	146	225	204	222	12.6	24.0	13.8	16.0	56	-305	-144	-461	720(100%)
11	2017/10	J	131	264	184	246	12.6	25.0	13.7	15.6	58	-288	-98	-459	744(100%)
12	2017/11	J	56	133	133	0	17.0	25.0	25.0	100.0	5	-582	-232	-806	720(100%)
13	2017/冬	J	181	298	244	277	12.6	25.0	13.9	16.1	168	80	450	-483	2160(100%)
14	2017/春	J	117	277	160	214	13.0	27.0	15.0	19.4	164	-328	-172	-562	2208(100%)
15	2017/夏	J	136	246	184	209	12.6	25.0	14.1	16.1	172	-323	-149	-480	2208(100%)
16	2017/秋	J	135	264	195	232	12.8	25.0	14.3	17.7	119	-391	-98	-806	2184(100%)
17	2017/年	J	143	298	207	249	12.8	27.0	14.3	17.2	623	-242	450	-806	8760(100%)

Tidal Level in Peng-Hu Harbor of PHT0 at 2017

1 ○ 8 ● 15 ● 22 ●

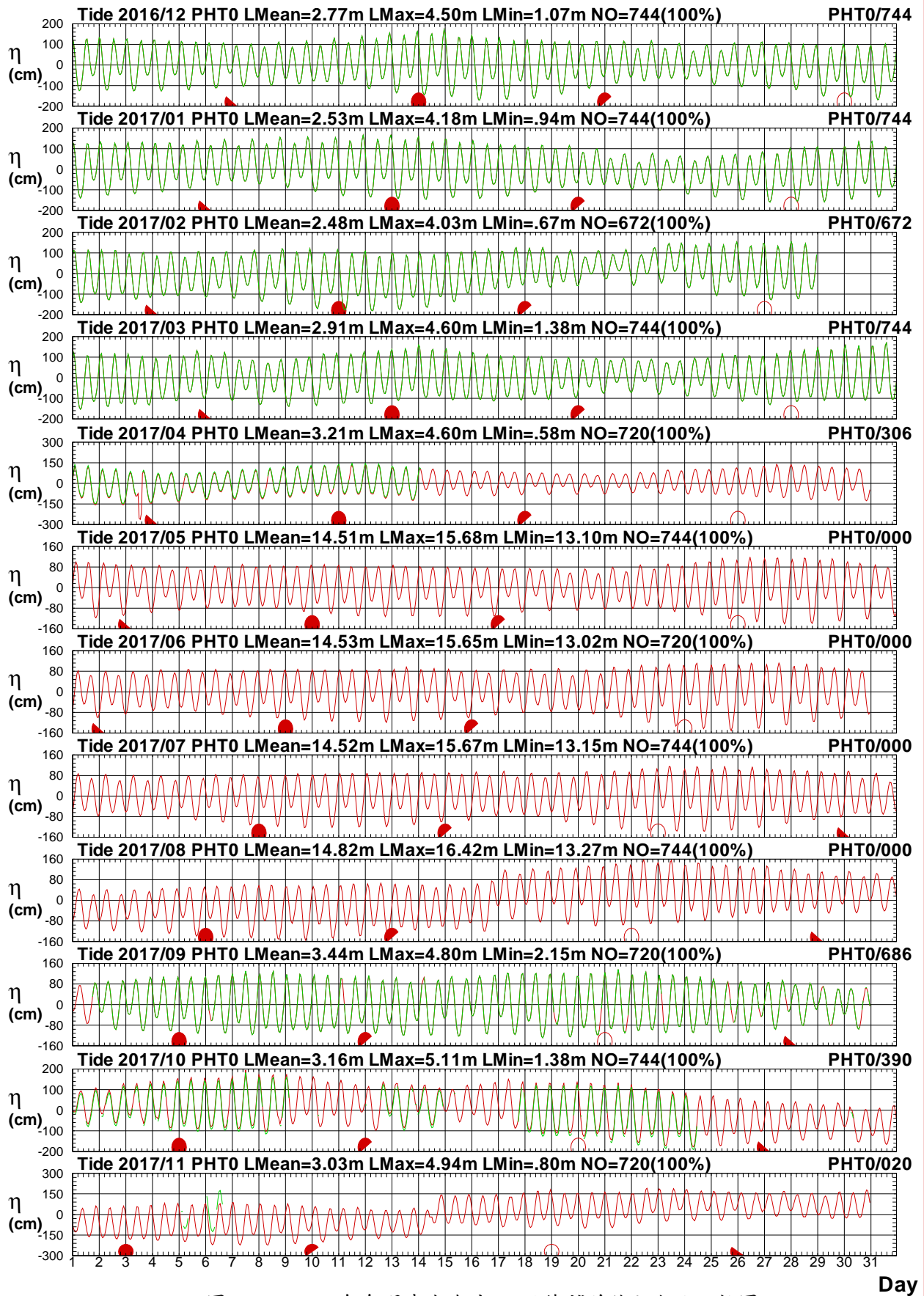


圖3.12 2017年每月澎湖海域 T 站修補前後之潮位比較圖

T16CPHT0.1HA T16CPHT0.1HO T171PHT0.1HA T171PHT0.1HO T172PHT0.1HA T172PHT0.1HO
 T173PHT0.1HA T173PHT0.1HO T174PHT0.1HA T174PHT0.1HO T175PHT0.1HA T175PHT0.1HO

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Tidal Level in Peng-Hu Harbor of PHT0 at 2017

1 ○ 8 ● 15 ● 22 ●

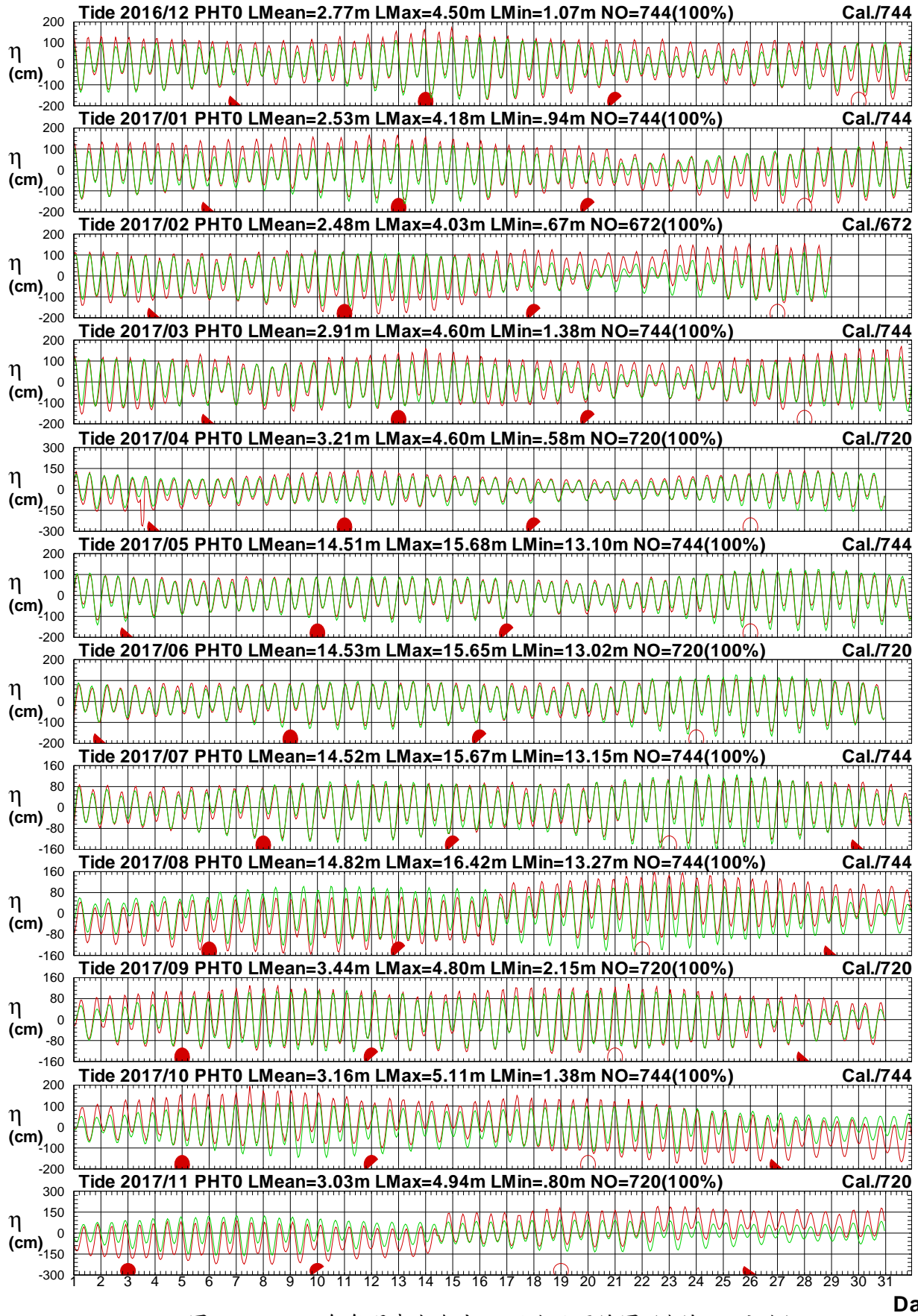


圖3.13 2017年每月澎湖海域 T 站潮位歷線圖 (綠線: 天文潮)

T16CPHT0.1HA T16CPHT0.1HC T171PHT0.1HA T171PHT0.1HC T172PHT0.1HA T172PHT0.1HC
 T173PHT0.1HA T173PHT0.1HC T174PHT0.1HA T174PHT0.1HC T175PHT0.1HA T175PHT0.1HC

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Tidal Level in Peng-Hu Harbor of PHF0 at 2017

1 ○ 8 ● 15 ● 22 ●

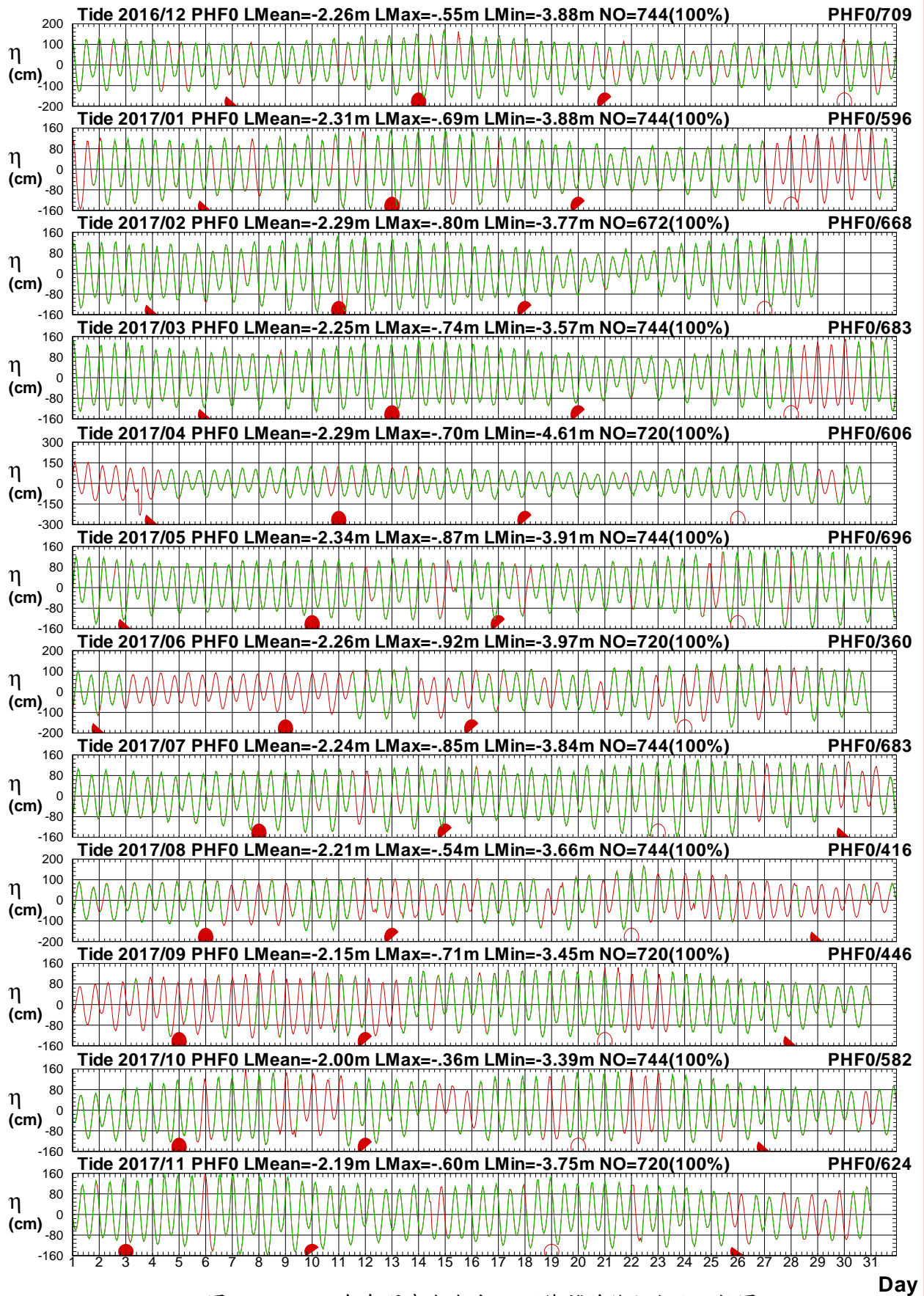


圖3.14 2017年每月澎湖海域 F 站修補前後之潮位比較圖

T16CPHF0.1HA T16CPHF0.1H0 T171PHF0.1HA T171PHF0.1H0 T172PHF0.1HA T172PHF0.1H0
 T173PHF0.1HA T173PHF0.1H0 T174PHF0.1HA T174PHF0.1H0 T175PHF0.1HA T175PHF0.1H0

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Tidal Level in Peng-Hu Harbor of PHF0 at 2017

1 ○ 8 ● 15 ● 22 ●

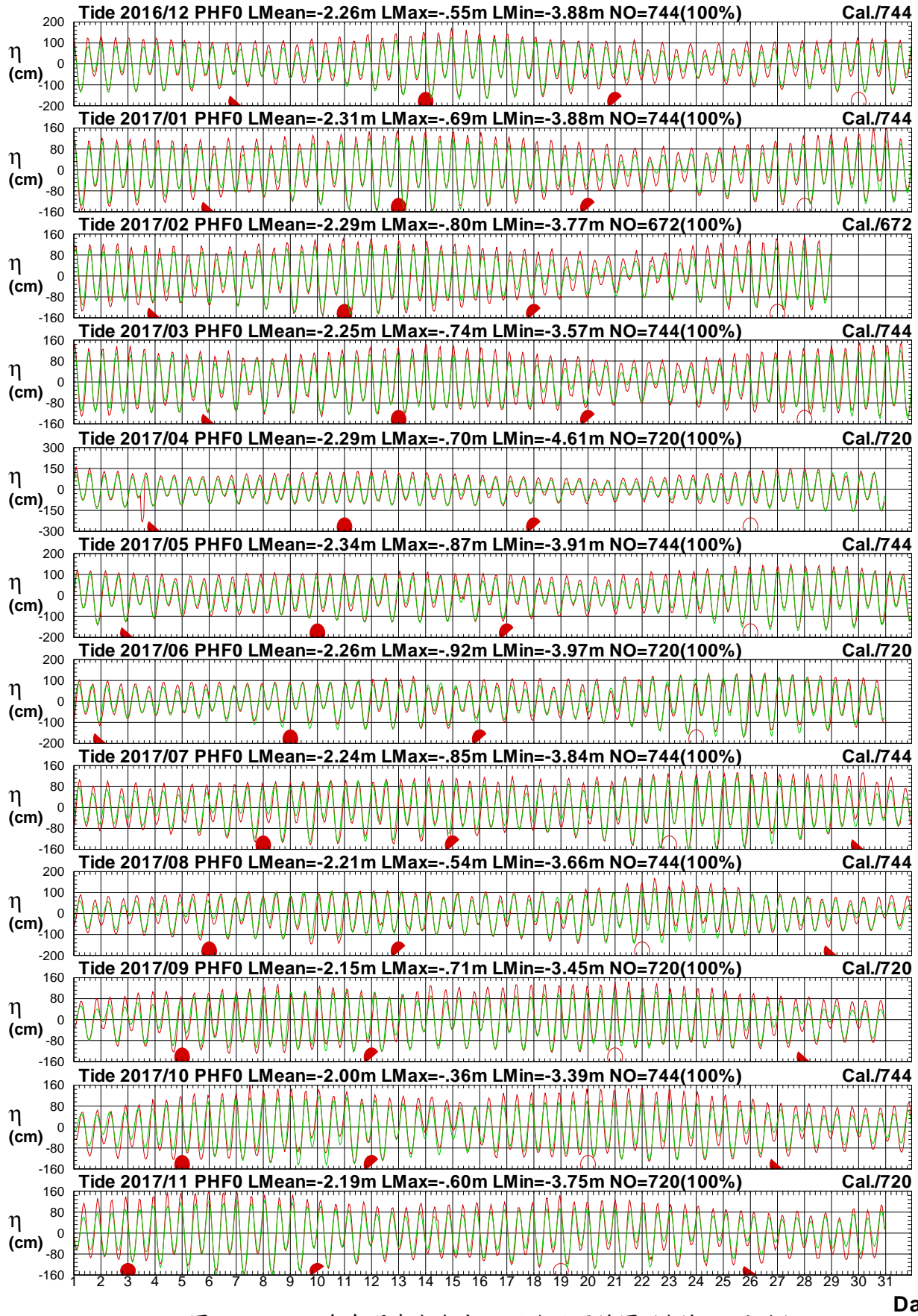


圖3.15 2017年每月澎湖海域 F 站潮位歷線圖 (綠線: 天文潮)

T16CPHF0.1HA T16CPHT0.1HC T171PHF0.1HA T171PHT0.1HC T172PHF0.1HA T172PHT0.1HC
 T173PHF0.1HA T173PHT0.1HC T174PHF0.1HA T174PHT0.1HC T175PHF0.1HA T175PHT0.1HC

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Tidal Level in Peng-Hu Harbor of PHS0 at 2017

1 ○ 8 ● 15 ● 22 ●

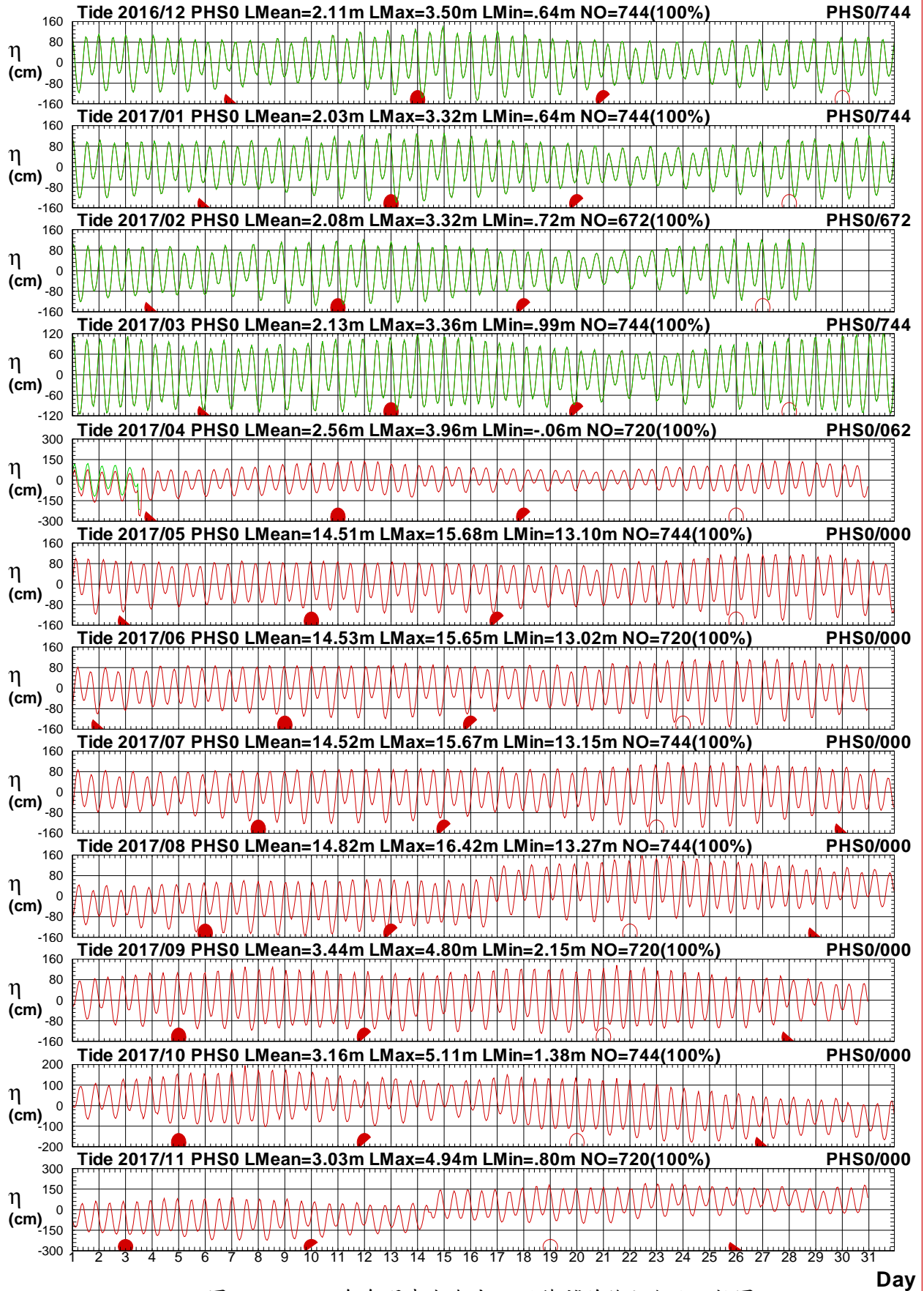


圖3.16 2017年每月澎湖海域 S 站修補前後之潮位比較圖

T16CPHS0.1HA T16CPHS0.1HO T171PHS0.1HA T171PHS0.1HO T172PHS0.1HA T172PHS0.1HO
T173PHS0.1HA T173PHS0.1HO T174PHS0.1HA T174PHS0.1HO T175PHS0.1HA T175PHS0.1HO

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Tidal Level in Peng-Hu Harbor of PHS0 at 2017

1 ○ 8 ● 15 ● 22 ●

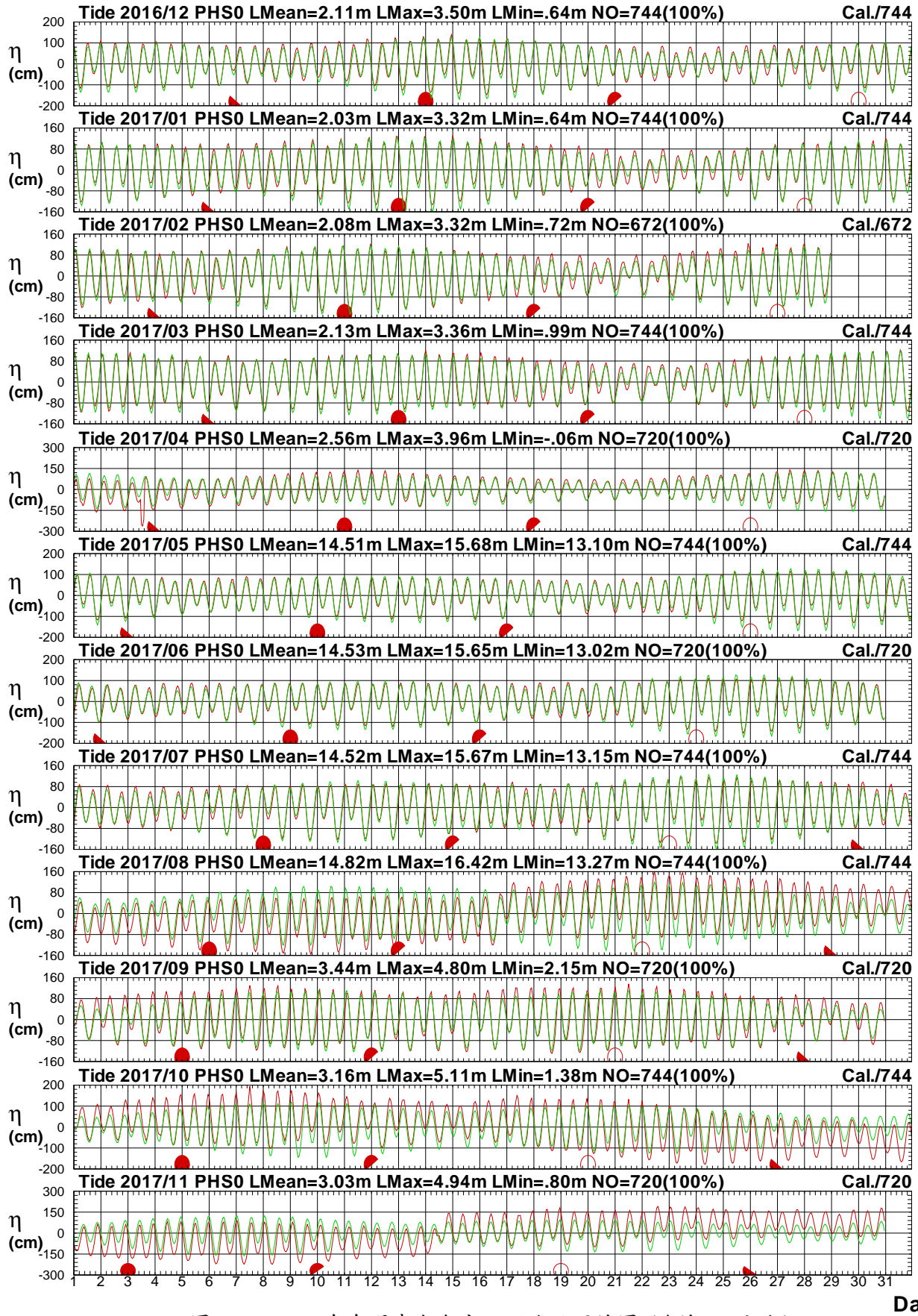


圖3.17 2017年每月澎湖海域 S 站潮位歷線圖 (綠線: 天文潮)

T16CPHS0.1HA T16CPHT0.1HC T171PHS0.1HA T171PHT0.1HC T172PHS0.1HA T172PHT0.1HC
T173PHS0.1HA T173PHT0.1HC T174PHS0.1HA T174PHT0.1HC T175PHS0.1HA T175PHT0.1HC

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Tidal Level in Peng-Hu Harbor of PHX0 at 2017

1 ○ 8 ● 15 ● 22 ●

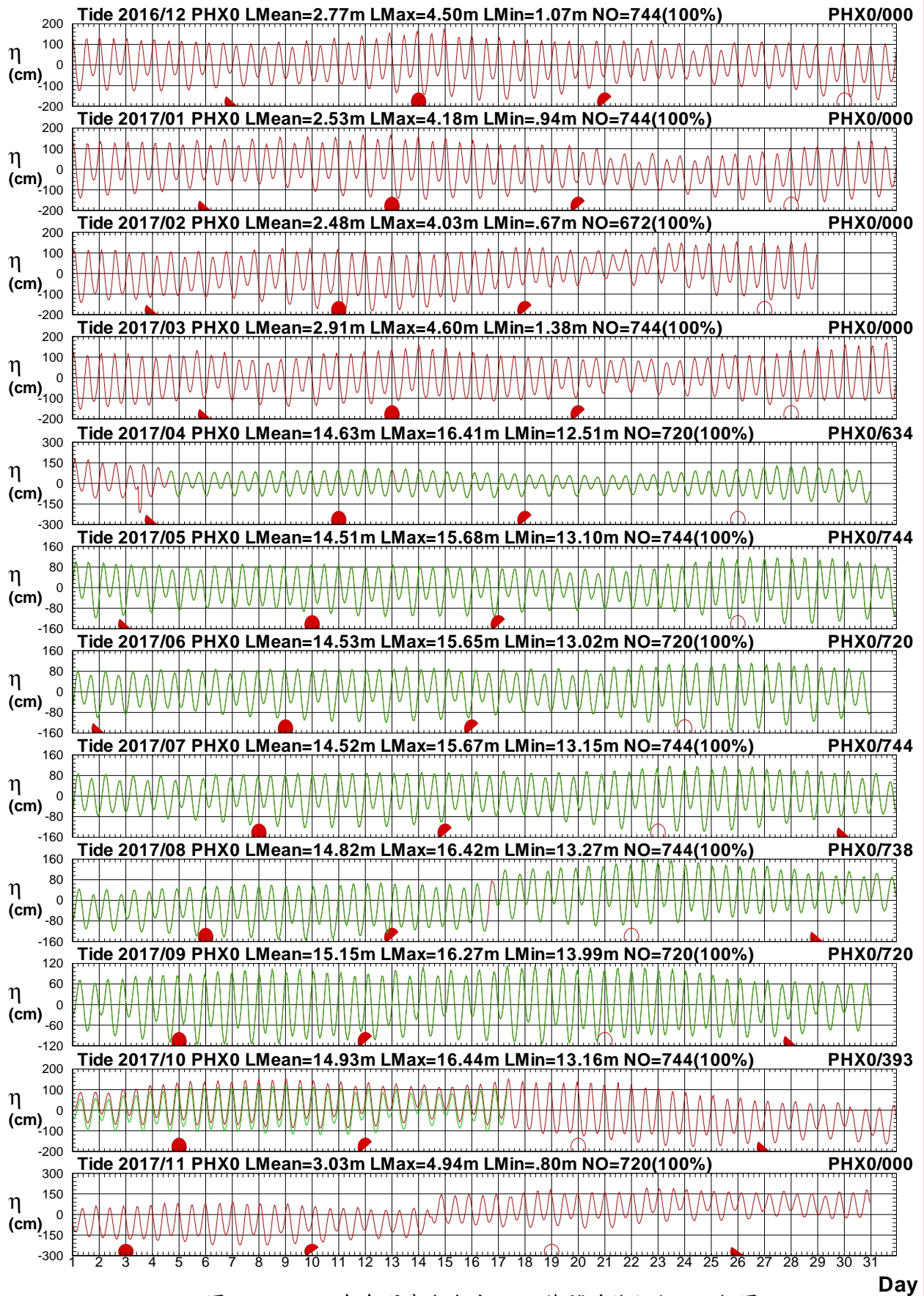


圖3.18 2017年每月澎湖海域 X 站修補前後之潮位比較圖

T16CPHX0.1HA T16CPHX0.1HO T171PHX0.1HA T171PHX0.1HO T172PHX0.1HA T172PHX0.1HO
 T173PHX0.1HA T173PHX0.1HO T174PHX0.1HA T174PHX0.1HO T175PHX0.1HA T175PHX0.1HO

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Tidal Level in Peng-Hu Harbor of PHX0 at 2017

1 ○ 8 ● 15 ● 22 ●

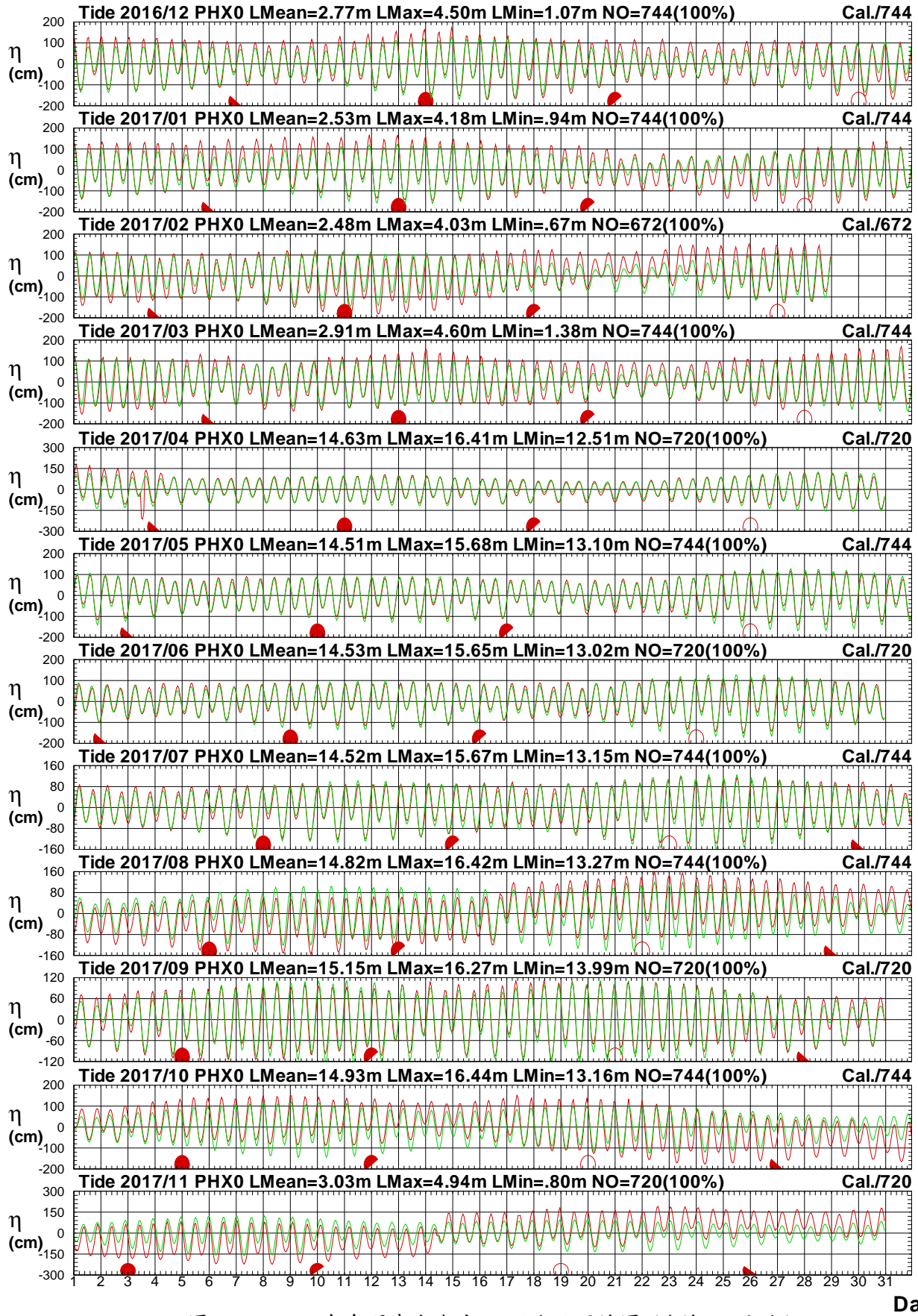


圖3.19 2017年每月澎湖海域 X 站潮位歷線圖 (綠線: 天文潮)

Day

T16CPHX0.1HA T16CPHT0.1HC T171PHX0.1HA T171PHT0.1HC T172PHX0.1HA T172PHT0.1HC
 T173PHX0.1HA T173PHT0.1HC T174PHX0.1HA T174PHT0.1HC T175PHX0.1HA T175PHT0.1HC

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Tidal Level in Peng-Hu Harbor of PHJ0 at 2017

1 ○ 8 ● 15 ● 22 ●

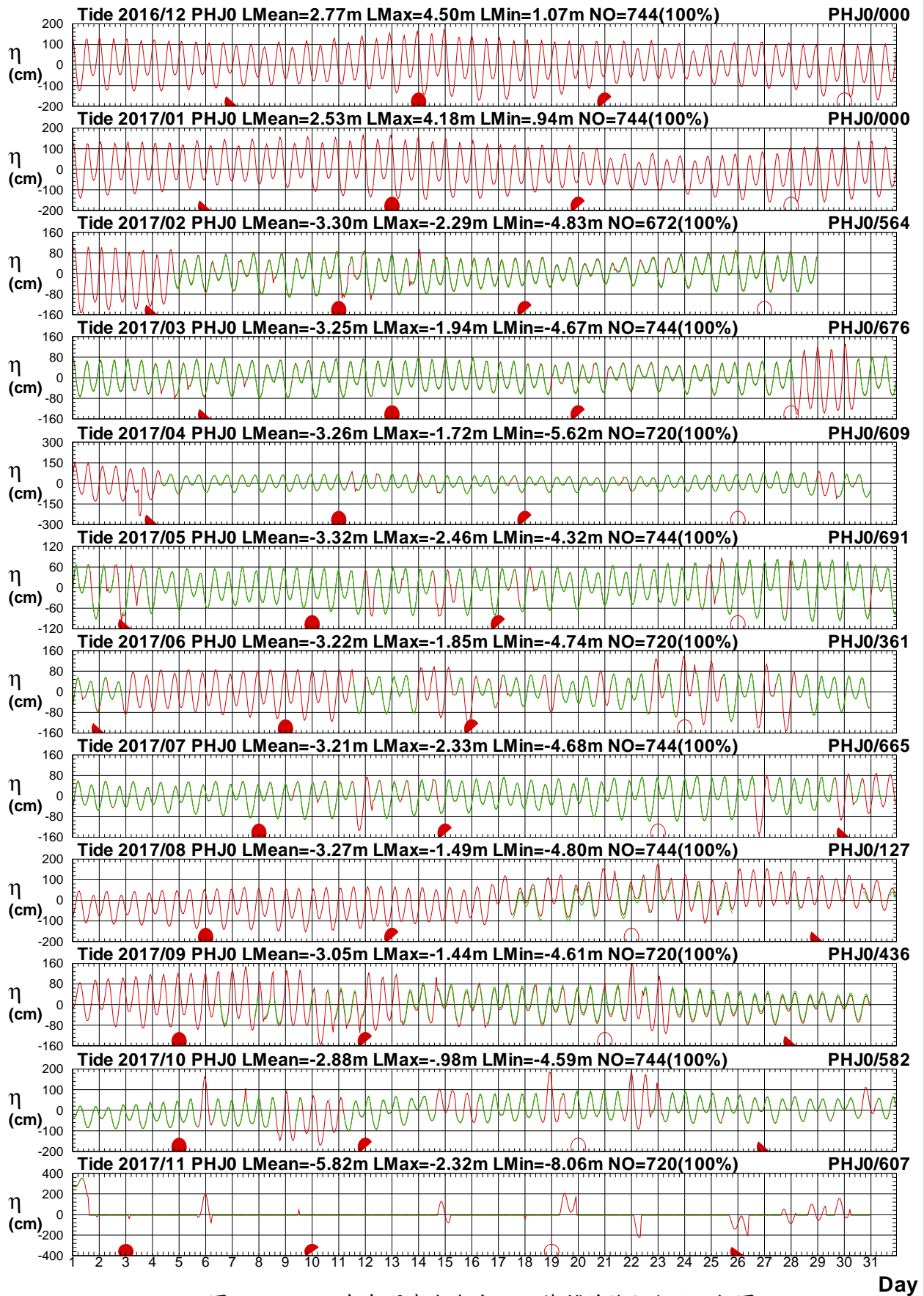


圖3.20 2017年每月澎湖海域 J 站修補前後之潮位比較圖

T16CPHJ0.1HA T16CPHJ0.1H0 T171PHJ0.1HA T171PHJ0.1H0 T172PHJ0.1HA T172PHJ0.1H0
 T173PHJ0.1HA T173PHJ0.1H0 T174PHJ0.1HA T174PHJ0.1H0 T175PHJ0.1HA T175PHJ0.1H0

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Tidal Level in Peng-Hu Harbor of PHJ0 at 2017

1 ○ 8 ● 15 ● 22 ●

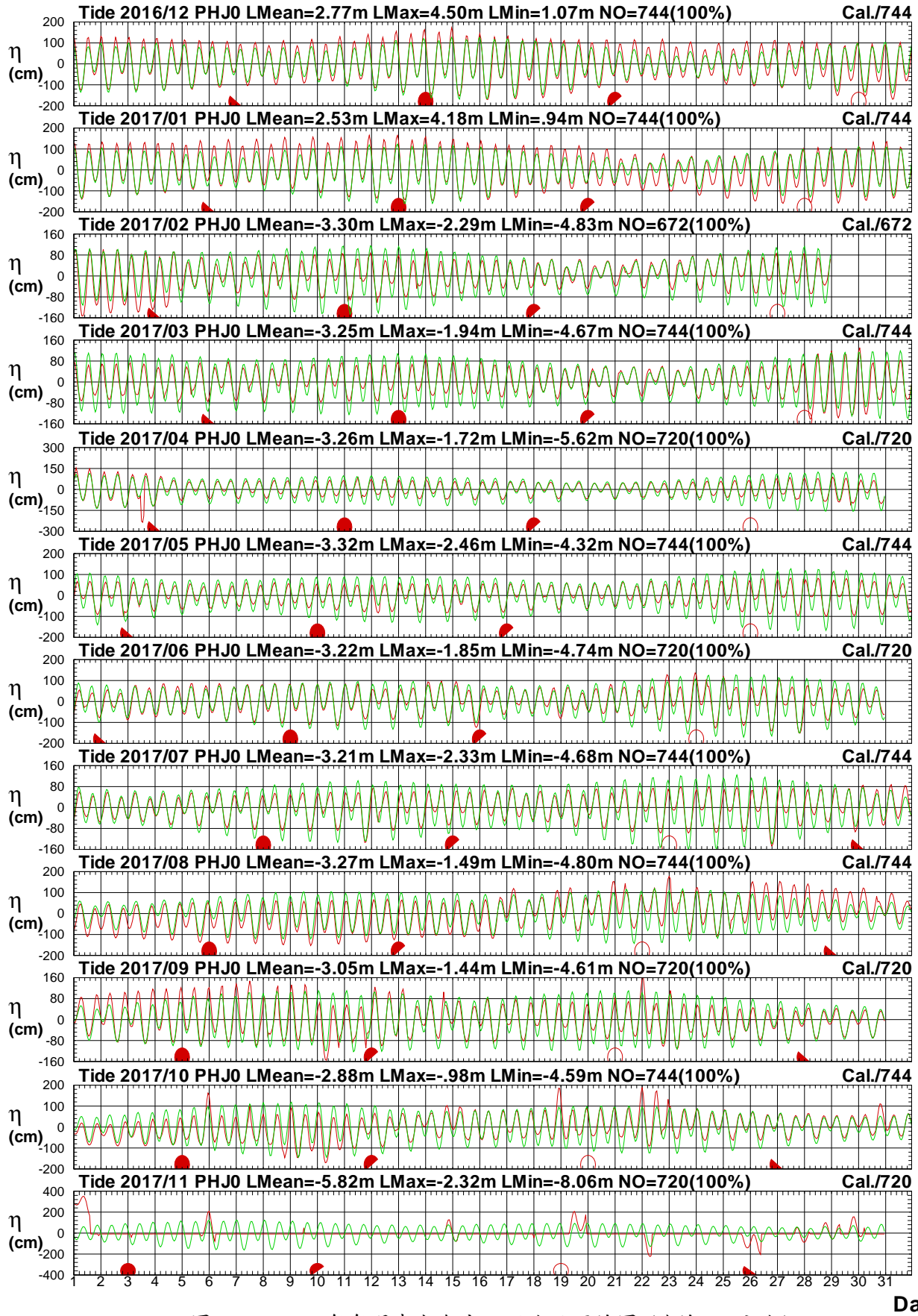


圖3.21 2017年每月澎湖海域 J 站潮位歷線圖 (綠線: 天文潮)

T16CPHJ0.1HA T16CPHT0.1HC T171PHJ0.1HA T171PHT0.1HC T172PHJ0.1HA T172PHT0.1HC
 T173PHJ0.1HA T173PHT0.1HC T174PHJ0.1HA T174PHT0.1HC T175PHJ0.1HA T175PHT0.1HC

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Tidal Level in Peng-Hu Harbor of PHA0 at 2017

1 ○ 8 ● 15 ● 22 ●

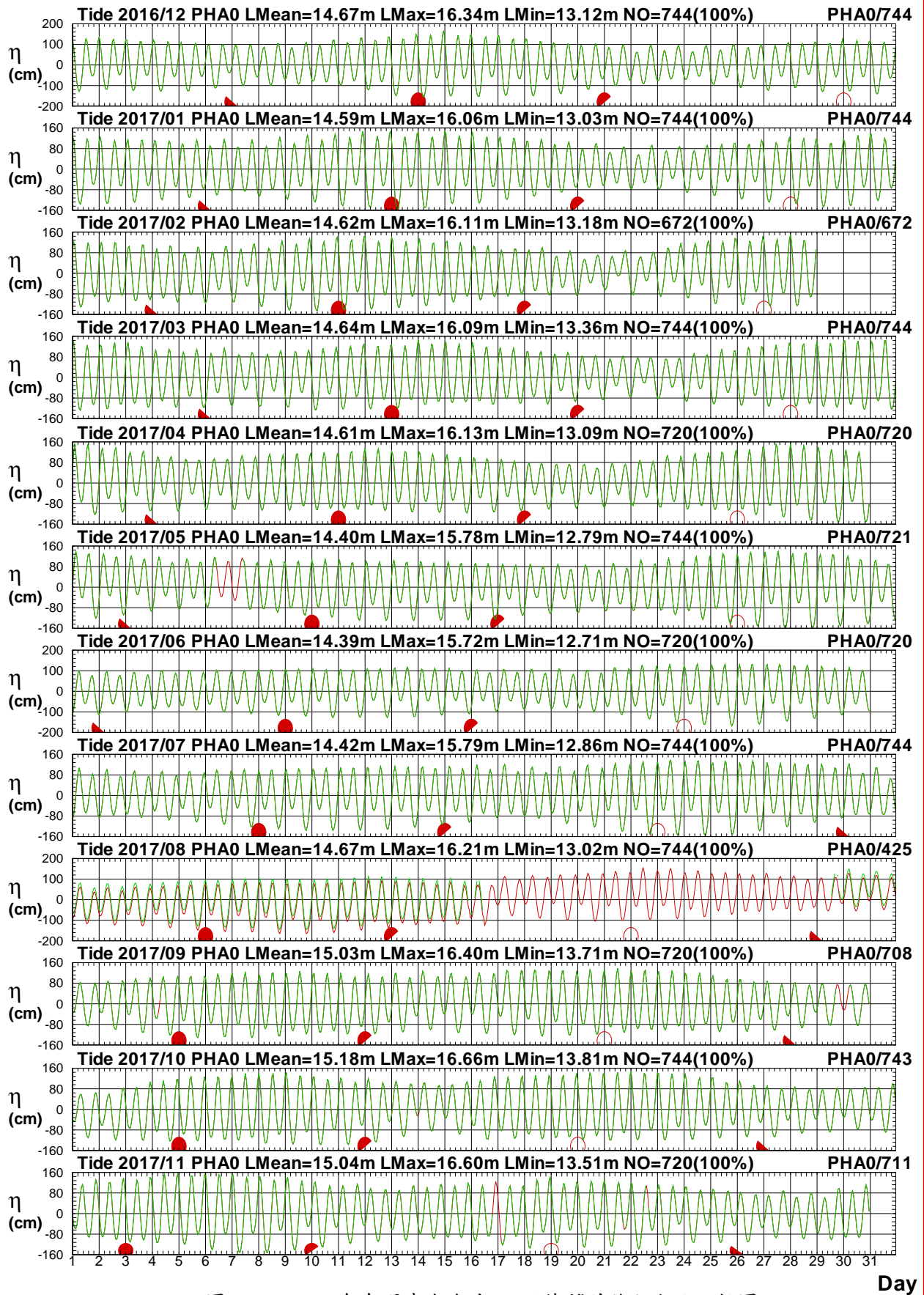


圖3.22 2017年每月澎湖海域 A 站修補前後之潮位比較圖

T16CPHA0.1HA T16CPHA0.1H0 T171PHA0.1HA T171PHA0.1H0 T172PHA0.1HA T172PHA0.1H0
T173PHA0.1HA T173PHA0.1H0 T174PHA0.1HA T174PHA0.1H0 T175PHA0.1HA T175PHA0.1H0

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Tidal Level in Peng-Hu Harbor of PHA0 at 2017

1 ○ 8 ● 15 ● 22 ●

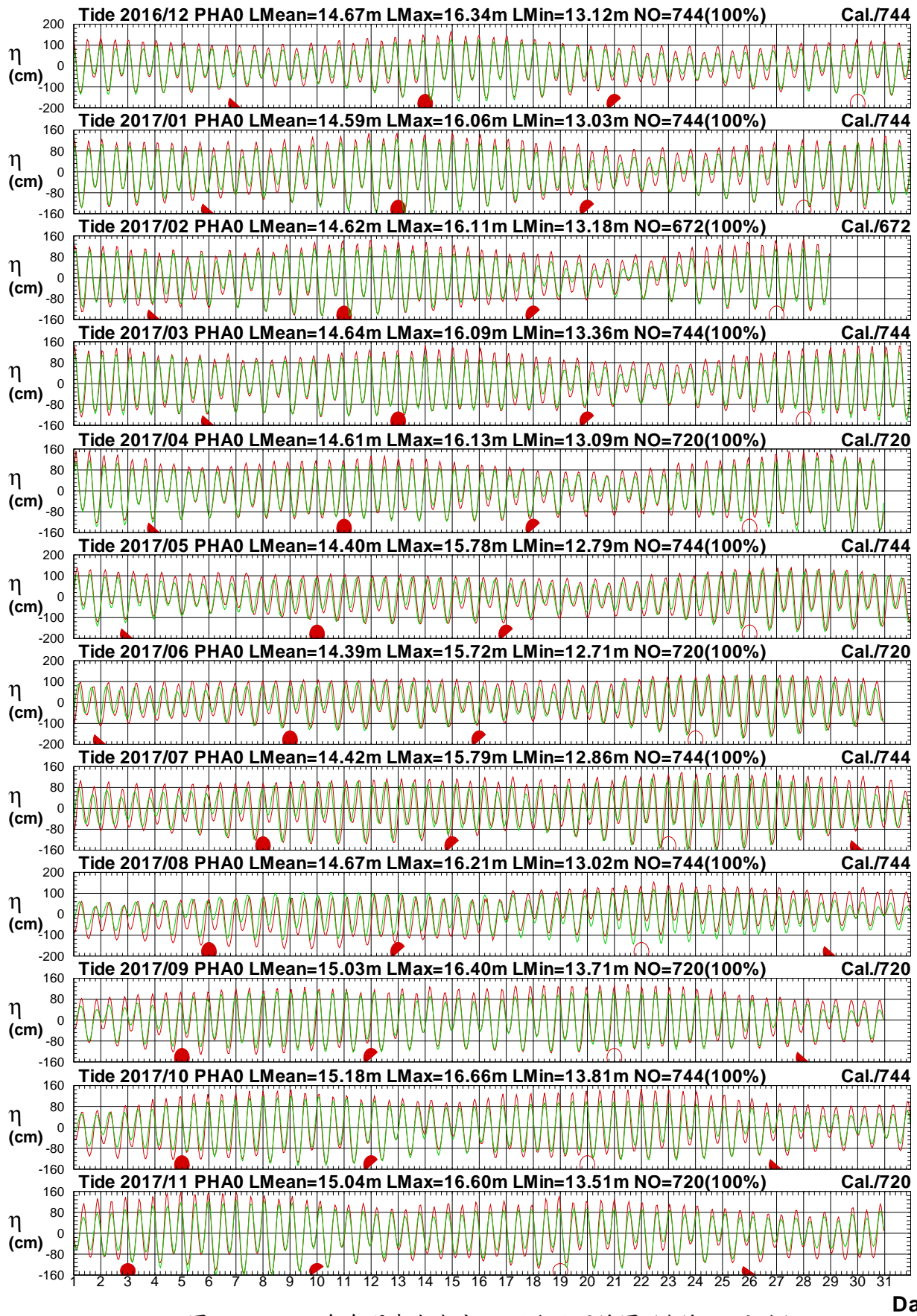


圖3.23 2017年每月澎湖海域 A 站潮位歷線圖 (綠線: 天文潮)

T16CPHA0.1HA T16CPHT0.1HC T171PHA0.1HA T171PHT0.1HC T172PHA0.1HA T172PHT0.1HC
 T173PHA0.1HA T173PHT0.1HC T174PHA0.1HA T174PHT0.1HC T175PHA0.1HA T175PHT0.1HC

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Tidal Level in Peng-Hu Harbor of PHT0 at 2017

1 ○ 8 ● 15 ● 22 ●

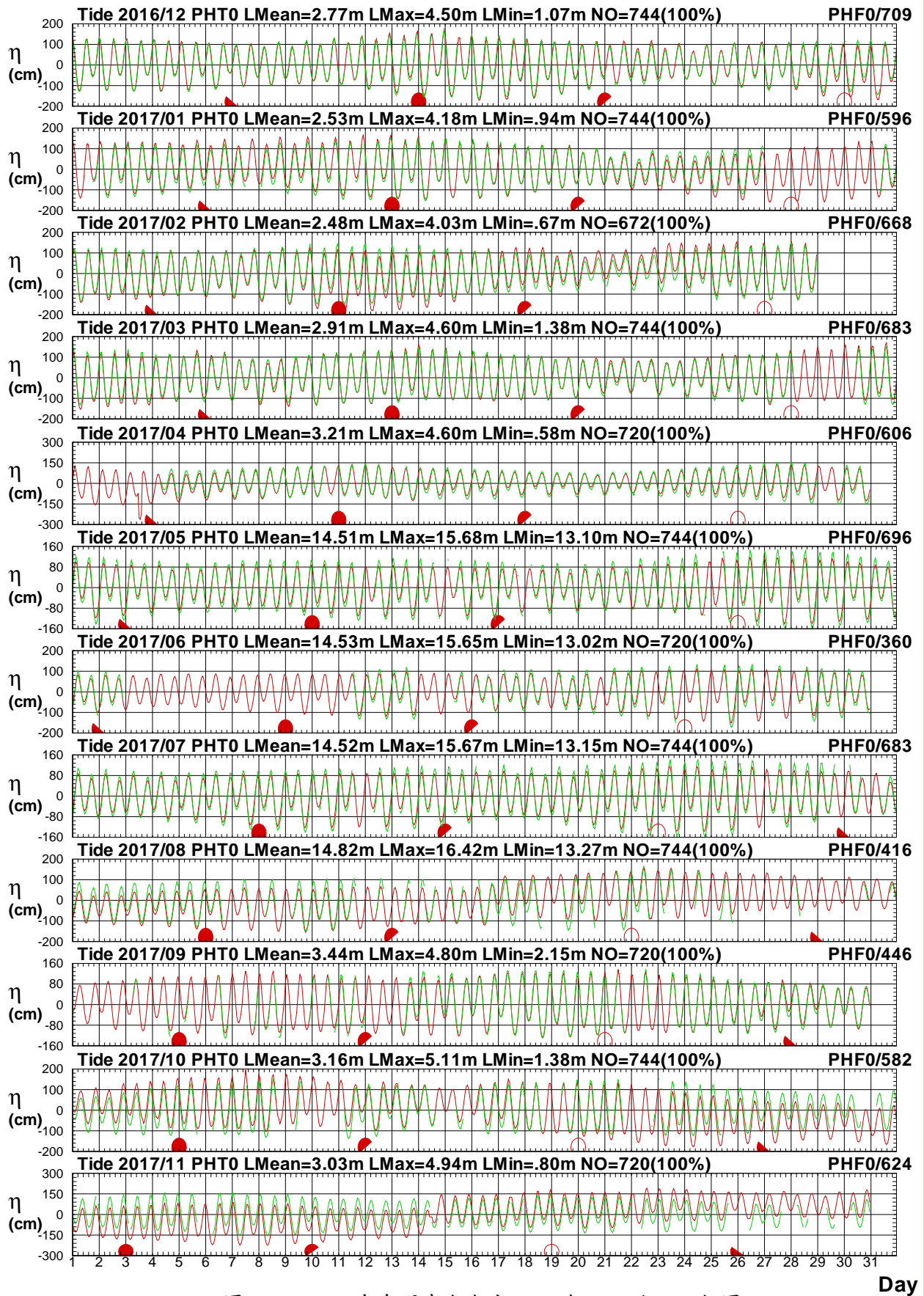


圖3.24 2017年每月澎湖海域 T 站與 F 站潮位比較圖

T16CPHT0.1HA T16CPHF0.1H0 T171PHT0.1HA T171PHF0.1H0 T172PHT0.1HA T172PHF0.1H0
T173PHT0.1HA T173PHF0.1H0 T174PHT0.1HA T174PHF0.1H0 T175PHT0.1HA T175PHF0.1H0

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Tidal Level in Peng-Hu Harbor of PHT0 at 2017

1 ○ 8 ● 15 ● 22 ●

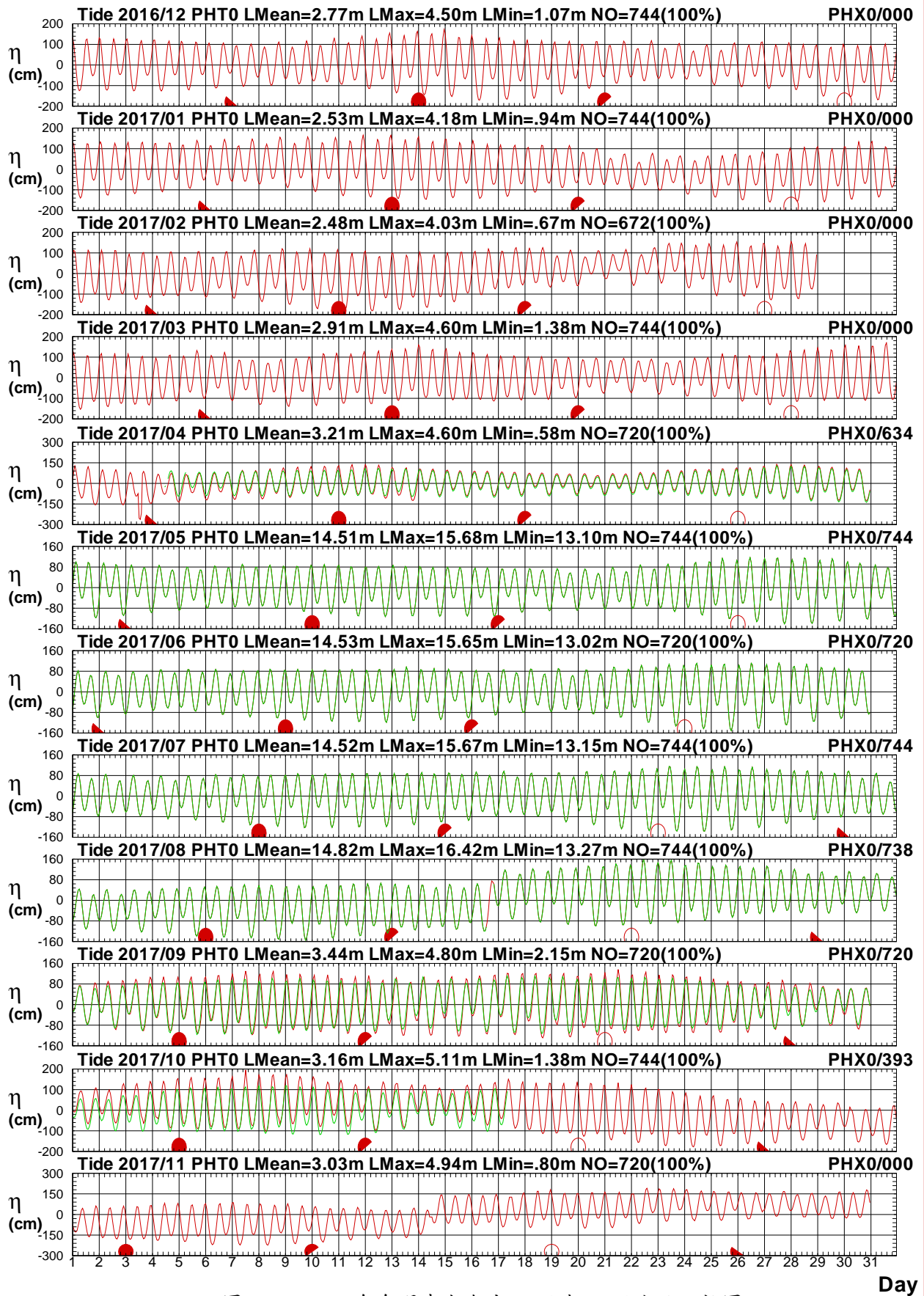


圖3.25 2017年每月澎湖海域 T 站與 X 站潮位比較圖

T16CPHT0.1HA T16CPHX0.1HO T171PHT0.1HA T171PHX0.1HO T172PHT0.1HA T172PHX0.1HO
T173PHT0.1HA T173PHX0.1HO T174PHT0.1HA T174PHX0.1HO T175PHT0.1HA T175PHX0.1HO

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Tidal Level in Peng-Hu Harbor of PHT0 at 2017

1 ○ 8 ● 15 ● 22 ●

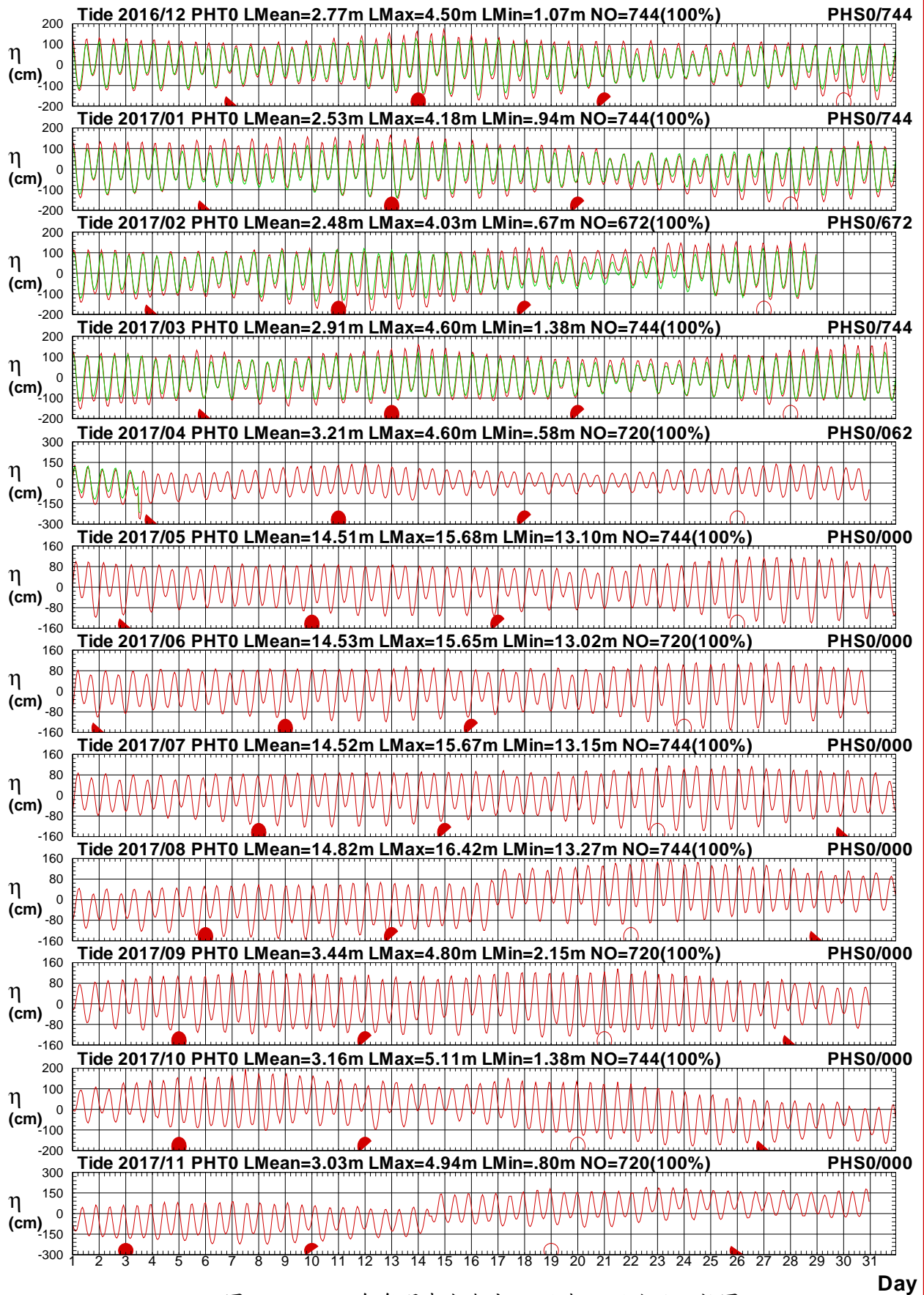


圖3.26 2017年每月澎湖海域 T 站與 S 站潮位比較圖

T16CPHT0.1HA T16CPHS0.1HO T171PHT0.1HA T171PHS0.1HO T172PHT0.1HA T172PHS0.1HO
T173PHT0.1HA T173PHS0.1HO T174PHT0.1HA T174PHS0.1HO T175PHT0.1HA T175PHS0.1HO

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Tidal Level in Peng-Hu Harbor of PHT0 at 2017

1 ○ 8 ● 15 ● 22 ●

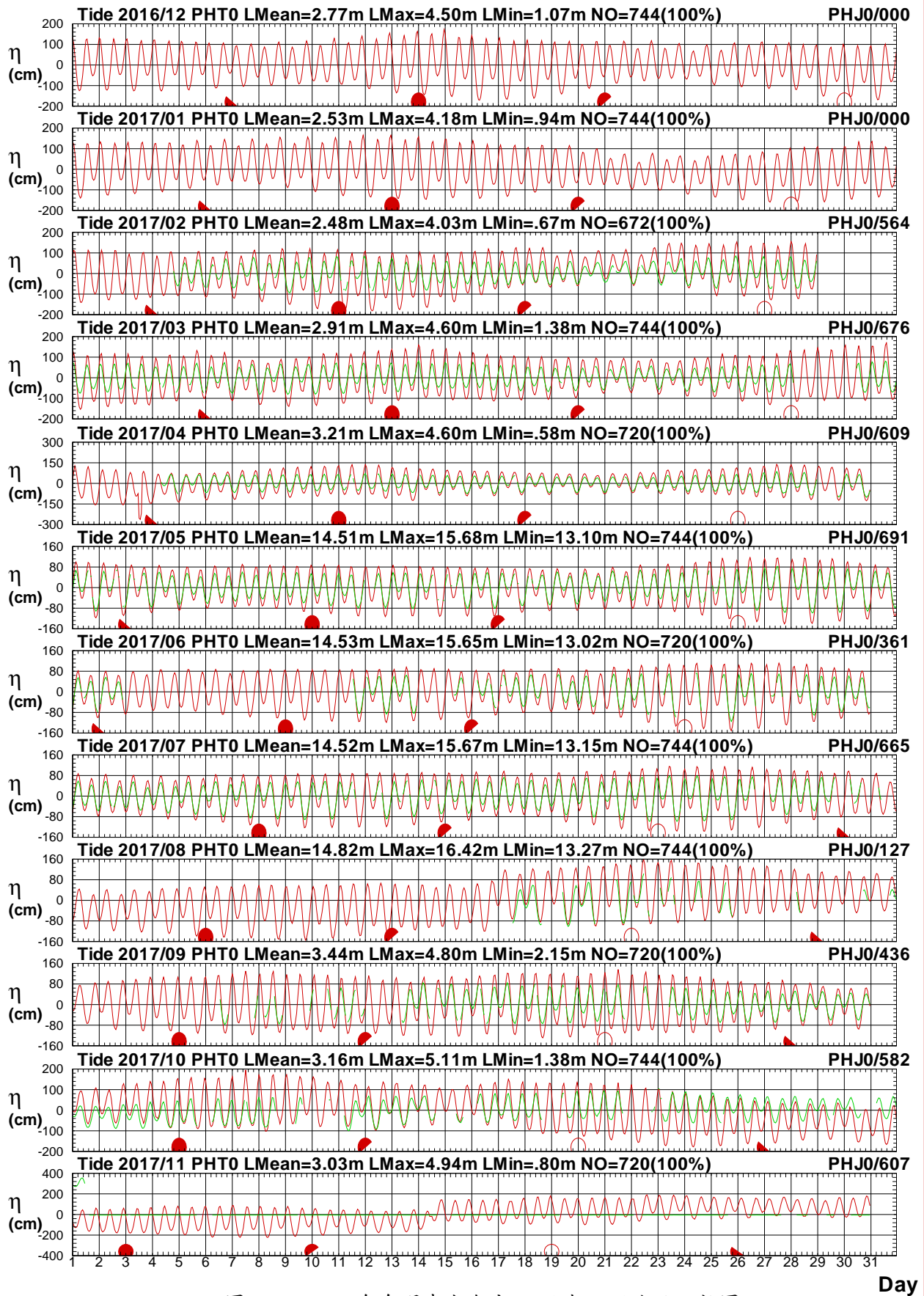


圖3.27 2017年每月澎湖海域 T 站與 J 站潮位比較圖

T16CPHT0.1HA T16CPHJ0.1H0 T171PHT0.1HA T171PHJ0.1H0 T172PHT0.1HA T172PHJ0.1H0
 T173PHT0.1HA T173PHJ0.1H0 T174PHT0.1HA T174PHJ0.1H0 T175PHT0.1HA T175PHJ0.1H0

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Tidal Level in Peng-Hu Harbor of PHT0 at 2017

1 ○ 8 ● 15 ● 22 ●

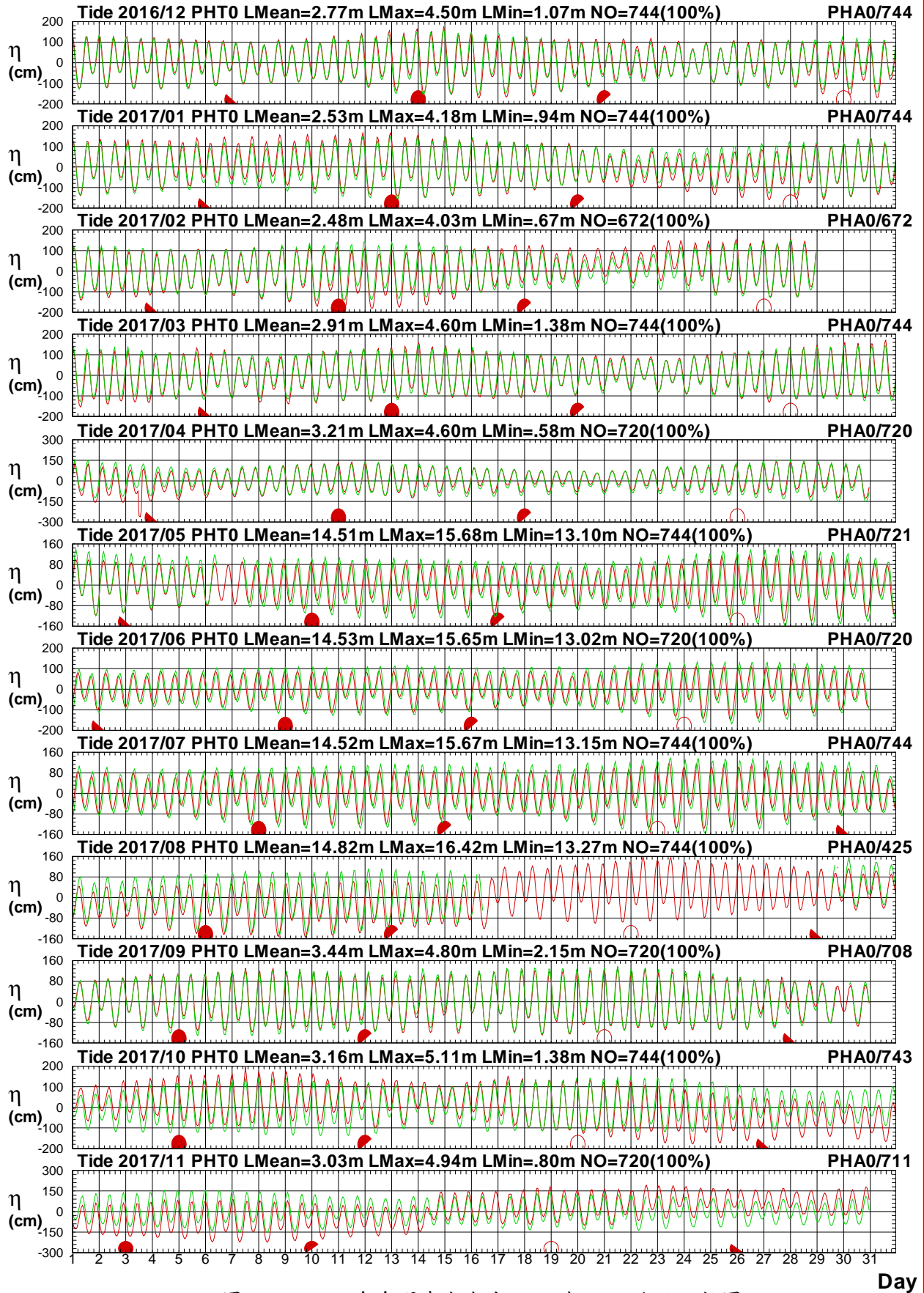


圖3.28 2017年每月澎湖海域 T 站與 A 站潮位比較圖

T16CPHT0.1HA T16CPHA0.1HO T171PHT0.1HA T171PHA0.1HO T172PHT0.1HA T172PHA0.1HO
T173PHT0.1HA T173PHA0.1HO T174PHT0.1HA T174PHA0.1HO T175PHT0.1HA T175PHA0.1HO

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第四章 2017 年澎湖海域觀測海流資料

澎湖海域海流之觀測包括測站 X、測站 Y、測站 Z 及測站 R 等 4 個測站(測站位置如第 0 章圖 CN1)。本年報利用調和分析方法觀測海流可分解為計算潮流(包括平均流)及計算殘(餘)流(或稱非潮流)。

本海流年報資料處理之圖表包括：

1. 2017 年各觀測站每月觀測海流資料記錄表。
2. 2017 年各觀測站每月計算潮流資料記錄表。
3. 2017 年各觀測站每月觀測流速及流向重要統計量統計表。
4. 2017 年各觀測站每月計算潮流流速及流向重要統計量統計表。
5. 2017 年各觀測站每月計算殘(餘)流流速及流向重要統計量統計表。
6. 2017 年各觀測站之觀測海流與計算潮流歷線比較圖。
7. 2017 年各觀測站之觀測海流與計算殘(餘)流歷線比較圖。
8. 2017 年各觀測站之觀測海流、計算潮流及計算殘流等 3 個向量分布圖。
9. 2017 年各觀測站之觀測海流、計算潮流及計算殘流等 3 個向量行進圖。

表 4.1a 2017 年每月澎湖海域各測站觀測海流資料紀錄表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	X	A	Y	Z	R							
2016/12 月	*	744(100%)	744(100%)	744(100%)	633(85.1%)	*	*	*	*	*	*	*
2017/ 1 月	*	744(100%)	743(99.9%)	744(100%)	634(85.2%)	*	*	*	*	*	*	*
2017/ 2 月	*	672(100%)	106(15.8%)	672(100%)	558(83.0%)	*	*	*	*	*	*	*
2017/ 3 月	*	744(100%)	*	744(100%)	638(85.8%)	*	*	*	*	*	*	*
2017/ 4 月	634(88.1%)	720(100%)	134(18.6%)	720(100%)	590(81.9%)	*	*	*	*	*	*	*
2017/ 5 月	744(100%)	721(96.9%)	199(26.7%)	744(100%)	176(23.7%)	*	*	*	*	*	*	*
2017/ 6 月	720(100%)	720(100%)	720(100%)	699(97.1%)	*	*	*	*	*	*	*	*
2017/ 7 月	744(100%)	744(100%)	738(99.2%)	727(97.7%)	*	*	*	*	*	*	*	*
2017/ 8 月	741(99.6%)	429(57.7%)	743(99.9%)	743(99.9%)	*	*	*	*	*	*	*	*
2017/ 9 月	720(100%)	708(98.3%)	720(100%)	703(97.6%)	*	*	*	*	*	*	*	*
2017/10 月	396(53.2%)	743(99.9%)	744(100%)	717(96.4%)	*	*	*	*	*	*	*	*
2017/11 月	*	711(98.8%)	720(100%)	718(99.7%)	*	*	*	*	*	*	*	*
2017/冬季	*	2160(100%)	1593(73.8%)	2160(100%)	1825(84.5%)	*	*	*	*	*	*	*
2017/春季	1378(62.4%)	2185(99.0%)	333(15.1%)	2208(100%)	1404(63.6%)	*	*	*	*	*	*	*
2017/夏季	2205(99.9%)	1893(85.7%)	2201(99.7%)	2169(98.2%)	*	*	*	*	*	*	*	*
2017/秋季	1116(51.1%)	2162(99.0%)	2184(100%)	2138(97.9%)	*	*	*	*	*	*	*	*
2017/整年	4699(53.6%)	8400(95.9%)	6311(72.0%)	8675(99.0%)	3229(36.9%)	*	*	*	*	*	*	*
起始年月	2017/04	2016/12	2016/12	2016/12	2016/12	*	*	*	*	*	*	*
結束年月	2017/10	2017/11	2017/11	2017/11	2017/05	*	*	*	*	*	*	*

4-2

表 4.1b 2017 年每月澎湖海域計算潮流各測站資料紀錄表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	X	A	Y	Z	R							
2016/12 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2017/ 1 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2017/ 2 月	672(100%)	672(100%)	672(100%)	672(100%)	672(100%)	*	*	*	*	*	*	*
2017/ 3 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2017/ 4 月	720(100%)	720(100%)	720(100%)	719(99.9%)	720(100%)	*	*	*	*	*	*	*
2017/ 5 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2017/ 6 月	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*	*
2017/ 7 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2017/ 8 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2017/ 9 月	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*	*
2017/10 月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2017/11 月	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*	*
2017/冬季	2160(100%)	2160(100%)	2160(100%)	2160(100%)	2160(100%)	*	*	*	*	*	*	*
2017/春季	2208(100%)	2208(100%)	2208(100%)	2207(99.9%)	2208(100%)	*	*	*	*	*	*	*
2017/夏季	2208(100%)	2208(100%)	2208(100%)	2208(100%)	2208(100%)	*	*	*	*	*	*	*
2017/秋季	2184(100%)	2184(100%)	2184(100%)	2184(100%)	2184(100%)	*	*	*	*	*	*	*
2017/整年	8760(100%)	8760(100%)	8760(100%)	8759(99.9%)	8760(100%)	*	*	*	*	*	*	*
起始年月	2016/12	2016/12	2016/12	2016/12	2016/12	*	*	*	*	*	*	*
結束年月	2017/11	2017/11	2017/11	2017/11	2017/11	*	*	*	*	*	*	*

表 4.2a 2017 年屏東海域 X 站觀測流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12													
2	2017/01													
3	2017/02													
4	2017/03													
5	2017/04													
6	2017/05													
7	2017/06													
8	2017/07													
9	2017/08													
10	2017/09													
11	2017/10													
12	2017/11													
13	2017/冬													
14	2017/春													
15	2017/夏													
16	2017/秋													
17	2017/年													

表 4.2b 2017 年屏東海域 X 站潮流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12													
2	2017/01													
3	2017/02													
4	2017/03													
5	2017/04													
6	2017/05													
7	2017/06													
8	2017/07													
9	2017/08													
10	2017/09													
11	2017/10													
12	2017/11													
13	2017/冬													
14	2017/春													
15	2017/夏													
16	2017/秋													
17	2017/年													

表 4.2c 2017 年屏東海域 X 站殘流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12													
2	2017/01													
3	2017/02													
4	2017/03													
5	2017/04													
6	2017/05													
7	2017/06													
8	2017/07													
9	2017/08													
10	2017/09													
11	2017/10													
12	2017/11													
13	2017/冬													
14	2017/春													
15	2017/夏													
16	2017/秋													
17	2017/年													

表 4.3a 2017 年屏東海域 A 站觀測流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12													
2	2017/01													
3	2017/02													
4	2017/03													
5	2017/04													
6	2017/05													
7	2017/06													
8	2017/07													
9	2017/08													
10	2017/09													
11	2017/10													
12	2017/11													
13	2017/冬													
14	2017/春													
15	2017/夏													
16	2017/秋													
17	2017/年													

表 4.3b 2017 年屏東海域 A 站潮流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12													
2	2017/01													
3	2017/02													
4	2017/03													
5	2017/04													
6	2017/05													
7	2017/06													
8	2017/07													
9	2017/08													
10	2017/09													
11	2017/10													
12	2017/11													
13	2017/冬													
14	2017/春													
15	2017/夏													
16	2017/秋													
17	2017/年													

表 4.3c 2017 年屏東海域 A 站殘流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12													
2	2017/01													
3	2017/02													
4	2017/03													
5	2017/04													
6	2017/05													
7	2017/06													
8	2017/07													
9	2017/08													
10	2017/09													
11	2017/10													
12	2017/11													
13	2017/冬													
14	2017/春													
15	2017/夏													
16	2017/秋													
17	2017/年													

表 4.4a 2017 年屏東海域 Y 站觀測流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12													
2	2017/01													
3	2017/02													
4	2017/03													
5	2017/04													
6	2017/05													
7	2017/06													
8	2017/07													
9	2017/08													
10	2017/09													
11	2017/10													
12	2017/11													
13	2017/冬													
14	2017/春													
15	2017/夏													
16	2017/秋													
17	2017/年													

表 4.4b 2017 年屏東海域 Y 站潮流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12													
2	2017/01													
3	2017/02													
4	2017/03													
5	2017/04													
6	2017/05													
7	2017/06													
8	2017/07													
9	2017/08													
10	2017/09													
11	2017/10													
12	2017/11													
13	2017/冬													
14	2017/春													
15	2017/夏													
16	2017/秋													
17	2017/年													

表 4.4c 2017 年屏東海域 Y 站殘流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12													
2	2017/01													
3	2017/02													
4	2017/03													
5	2017/04													
6	2017/05													
7	2017/06													
8	2017/07													
9	2017/08													
10	2017/09													
11	2017/10													
12	2017/11													
13	2017/冬													
14	2017/春													
15	2017/夏													
16	2017/秋													
17	2017/年													

表 4.5a 2017年屏東海域 Z 站觀測流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12	737(99%)	38.2	16.4/SE	114.3/ESE	35.4	35.1	28.9	.5	8.4	59.2	6.5	25.9	ESE/25.0%
2	2017/01	730(98%)	34.5	19.9/SE	107.7/ESE	39.2	40.1	20.5	.1	9.5	62.9	6.8	20.8	ESE/25.9%
3	2017/02	672(100%)	28.1	4.5/NW	141.5/NW	55.2	31.5	12.6	.6	15.8	30.1	12.8	41.4	WNW/19.3%
4	2017/03	744(100%)	28.8	3.1/NNE	106.4/WNW	50.9	36.6	12.4	.1	17.9	35.2	9.5	37.4	ESE/17.1%
5	2017/04	696(97%)	29.8	6.7/NNW	96.1/WNW	49.7	37.2	13.1	.0	19.8	27.7	8.8	43.7	WNW/19.1%
6	2017/05	737(99%)	34.9	11.2/NW	149.8/NW	49.1	27.1	21.2	2.6	14.0	25.1	16.7	44.2	WNW/16.6%
7	2017/06	699(97%)	36.6	12.2/NW	119.8/NW	40.5	34.9	23.5	1.1	16.3	23.6	12.6	47.5	WNW/23.9%
8	2017/07	722(97%)	39.4	13.6/NW	155.2/WNW	38.9	33.2	24.4	3.5	22.4	21.1	11.5	45.0	WNW/19.7%
9	2017/08	744(100%)	40.0	8.8/N	142.9/WNW	31.7	38.4	28.9	.9	28.1	23.1	14.0	34.8	WNW/13.3%
10	2017/09	715(99%)	38.7	12.1/NNW	114.3/WNW	32.2	39.9	27.3	.7	23.8	19.7	10.9	45.6	WNW/15.8%
11	2017/10	740(100%)	31.6	1.6/E	112.1/WNW	47.6	36.6	14.9	.9	9.5	44.6	7.8	38.1	ESE/20.3%
12	2017/11	711(99%)	42.9	5.9/WNW	132.0/NW	29.4	37.4	31.4	1.8	10.3	33.6	12.5	43.6	WNW/18.6%
13	2017/冬	2139(99%)	33.7	11.1/SE	141.5/NW	42.9	35.7	20.9	.4	11.1	51.3	8.6	29.0	ESE/22.2%
14	2017/春	2177(99%)	31.2	6.2/NNW	149.8/NW	49.9	33.6	15.6	.9	17.2	29.4	11.7	41.7	WNW/17.5%
15	2017/夏	2165(98%)	38.7	10.6/NNW	155.2/WNW	37.0	35.6	25.6	1.8	22.4	22.6	12.7	42.3	WNW/18.8%
16	2017/秋	2166(99%)	37.6	5.4/NW	132.0/NW	36.5	38.0	24.4	1.2	14.5	32.8	10.4	42.4	WNW/16.8%
17	2017/年	8647(99%)	35.3	3.2/NNW	155.2/WNW	41.6	35.7	21.6	1.1	16.3	34.0	10.9	38.9	WNW/16.5%

4-13

表 4.5b 2017 年屏東海域 Z 站潮流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12	744(100%)	21.1	3.2/NNW	69.2/WNW	68.1	25.9	5.9	.0	8.2	42.3	7.4	42.1	ESE/31.5%
2	2017/01	744(100%)	21.2	3.2/NNW	67.9/WNW	68.7	25.9	5.4	.0	8.2	40.7	7.3	43.8	ESE/31.3%
3	2017/02	672(100%)	20.1	3.2/NNW	62.7/WNW	70.1	27.1	2.8	.0	9.1	40.2	4.9	45.8	ESE/32.3%
4	2017/03	744(100%)	19.8	3.2/NNW	53.3/WNW	67.1	32.4	.5	.0	8.6	40.7	3.0	47.7	ESE/32.3%
5	2017/04	720(100%)	19.6	3.2/NNW	58.3/WNW	68.8	30.1	1.1	.0	6.9	43.1	2.6	47.4	ESE/32.6%
6	2017/05	744(100%)	20.2	3.1/NNW	66.7/WNW	69.9	26.7	3.4	.0	7.7	43.5	5.4	43.4	ESE/30.2%
7	2017/06	720(100%)	20.8	3.1/NNW	70.7/WNW	70.4	24.3	5.3	.0	10.0	41.9	6.5	41.5	ESE/30.0%
8	2017/07	744(100%)	20.4	3.1/NNW	68.5/WNW	72.0	23.1	4.8	.0	9.0	40.1	6.2	44.8	ESE/31.0%
9	2017/08	744(100%)	19.9	3.2/NNW	61.3/WNW	70.6	26.6	2.8	.0	8.2	40.6	4.7	46.5	ESE/32.1%
10	2017/09	720(100%)	19.4	3.1/NNW	50.8/WNW	67.2	32.8	.0	.0	9.0	42.2	2.6	46.1	ESE/33.6%
11	2017/10	744(100%)	19.0	3.1/NNW	50.9/WNW	69.9	30.1	.0	.0	7.3	44.2	2.7	45.8	ESE/32.9%
12	2017/11	720(100%)	19.9	3.1/NNW	62.2/WNW	71.1	25.8	3.1	.0	9.7	42.4	4.0	43.9	ESE/30.4%
13	2017/冬	2160(100%)	20.9	3.2/NNW	69.2/WNW	68.9	26.3	4.8	.0	8.5	41.1	6.6	43.8	ESE/31.7%
14	2017/春	2208(100%)	19.9	3.2/NNW	66.7/WNW	68.6	29.8	1.7	.0	7.7	42.4	3.7	46.2	ESE/31.7%
15	2017/夏	2208(100%)	20.4	3.1/NNW	70.7/WNW	71.0	24.7	4.3	.0	9.1	40.9	5.8	44.3	ESE/31.1%
16	2017/秋	2184(100%)	19.4	3.1/NNW	62.2/WNW	69.4	29.6	1.0	.0	8.7	42.9	3.1	45.3	ESE/32.3%
17	2017/年	8760(100%)	20.1	3.2/NNW	70.7/WNW	69.5	27.6	2.9	.0	8.5	41.8	4.8	44.9	ESE/31.7%

表 4.5c 2017年屏東海域 Z 站殘流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12	737(99%)	24.4	.1/W	96.8/WNW	59.3	36.6	4.1	.0	16.6	35.8	14.8	32.8	ESE/12.2%
2	2017/01	730(98%)	18.7	.3/SE	70.3/ESE	76.7	21.6	1.6	.0	20.8	32.3	19.2	27.7	ESE/11.0%
3	2017/02	672(100%)	18.1	.0/SE	89.0/NNW	78.9	19.3	1.8	.0	17.6	34.7	18.8	29.0	WNW/11.2%
4	2017/03	744(100%)	19.4	.0/SE	65.3/WNW	76.2	23.1	.7	.0	19.0	35.9	17.7	27.4	ESE/15.2%
5	2017/04	696(97%)	20.8	.1/E	65.0/ESE	67.0	31.8	1.3	.0	21.1	29.3	21.8	27.7	W /12.5%
6	2017/05	737(99%)	22.6	.4/NW	130.7/SE	68.8	26.3	4.6	.3	19.3	28.1	23.7	28.9	W /10.9%
7	2017/06	699(97%)	25.2	.3/NW	123.3/SE	57.4	35.9	6.4	.3	19.0	29.0	24.0	27.9	W /15.9%
8	2017/07	722(97%)	25.6	.2/E	90.2/ENE	58.0	36.3	5.7	.0	23.8	29.1	25.2	21.9	W /12.3%
9	2017/08	744(100%)	28.7	.0/WNW	85.5/W	46.4	44.1	9.5	.0	27.8	23.8	29.0	19.4	WSW/10.9%
10	2017/09	715(99%)	24.5	.1/NNE	67.6/E	57.9	38.5	3.6	.0	25.6	24.3	29.0	21.1	WSW/11.6%
11	2017/10	740(100%)	22.6	.0/W	113.1/WNW	67.6	26.2	6.1	.1	15.0	41.2	12.2	31.6	ESE/15.4%
12	2017/11	711(99%)	34.0	.3/WNW	122.3/SE	40.6	41.9	17.0	.4	10.5	36.7	14.1	38.7	ESE/15.2%
13	2017/冬	2139(99%)	24.9	.0/SSE	116.9/NW	59.4	34.5	5.9	.1	14.3	36.0	15.3	34.4	ESE/13.3%
14	2017/春	2177(99%)	23.6	.1/NW	147.1/ESE	62.8	33.0	4.0	.1	18.4	31.6	21.0	29.0	ESE/12.9%
15	2017/夏	2165(98%)	27.9	.0/NW	139.8/SE	51.6	39.0	9.1	.3	24.1	26.5	27.3	22.1	W /13.8%
16	2017/秋	2165(99%)	29.1	.1/WNW	146.1/SE	49.8	39.4	10.4	.4	16.6	34.1	18.0	31.3	ESE/13.4%
17	2017/年	8647(99%)	28.9	.1/NW	149.2/SE	50.6	37.9	11.2	.3	16.9	33.3	17.2	32.7	ESE/12.6%

表 4.6a 2017 年屏東海域 R 站觀測流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12													
2	2017/01													
3	2017/02													
4	2017/03													
5	2017/04													
6	2017/05													
7	2017/06													
8	2017/07													
9	2017/08													
10	2017/09													
11	2017/10													
12	2017/11													
13	2017/冬													
14	2017/春													
15	2017/夏													
16	2017/秋													
17	2017/年													

表 4.6b 2017 年屏東海域 R 站潮流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12													
2	2017/01													
3	2017/02													
4	2017/03													
5	2017/04													
6	2017/05													
7	2017/06													
8	2017/07													
9	2017/08													
10	2017/09													
11	2017/10													
12	2017/11													
13	2017/冬													
14	2017/春													
15	2017/夏													
16	2017/秋													
17	2017/年													

表 4.6c 2017 年屏東海域 R 站殘流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2016/12													
2	2017/01													
3	2017/02													
4	2017/03													
5	2017/04													
6	2017/05													
7	2017/06													
8	2017/07													
9	2017/08													
10	2017/09													
11	2017/10													
12	2017/11													
13	2017/冬													
14	2017/春													
15	2017/夏													
16	2017/秋													
17	2017/年													

Current Speed in Peng-Hu Harbor of PHA0 at 2017

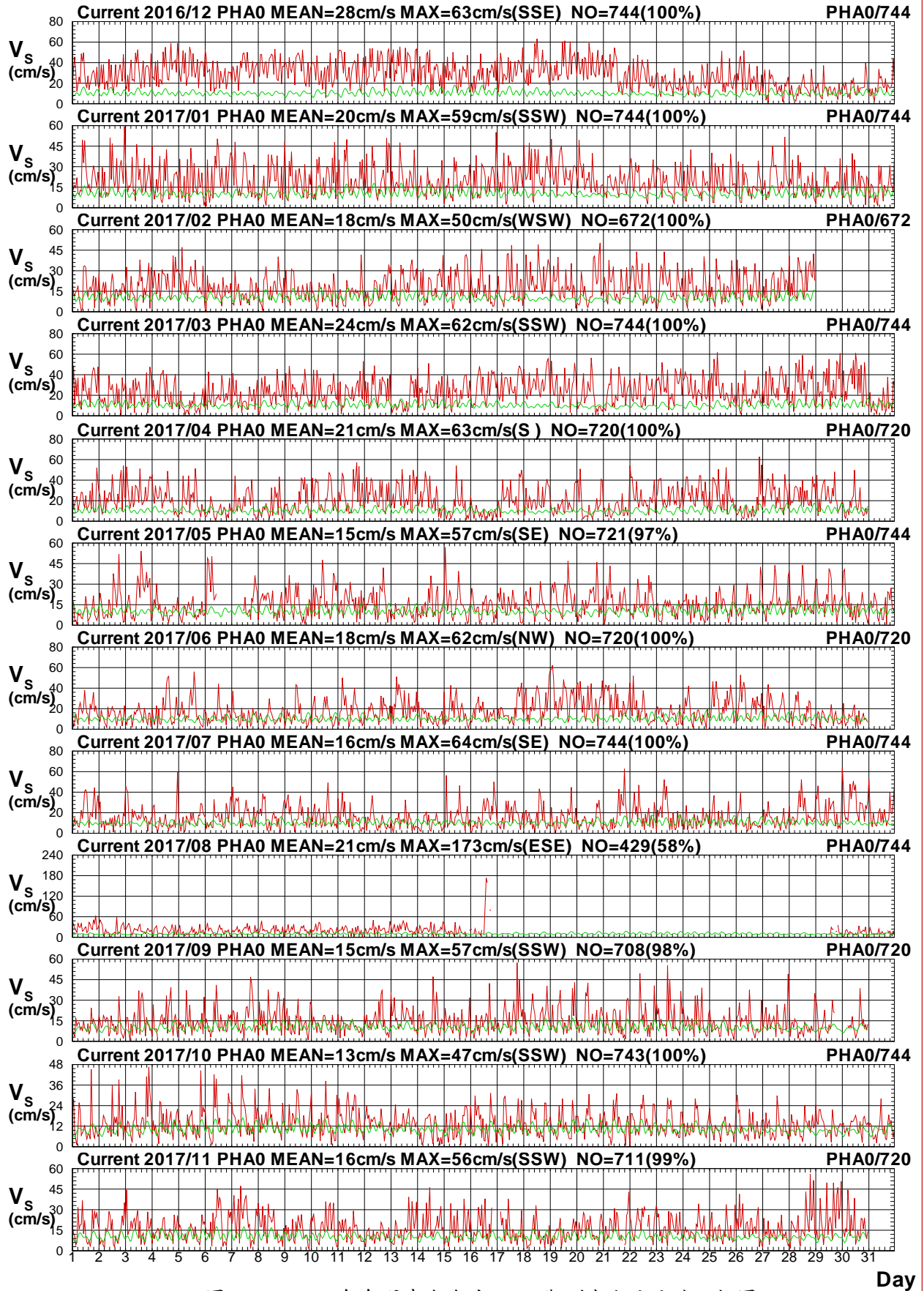


圖4.3a 2017年每月澎湖海域 A 站觀測與潮流流速比較圖

C16CPHA0.1H0 C16CPHA0.1HD C171PHA0.1H0 C171PHA0.1HD C172PHA0.1H0 C172PHA0.1HD
 C173PHA0.1H0 C173PHA0.1HD C174PHA0.1H0 C174PHA0.1HD C175PHA0.1H0 C175PHA0.1HD

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Current Direction in Peng-Hu Harbor of PHA0 at 2017

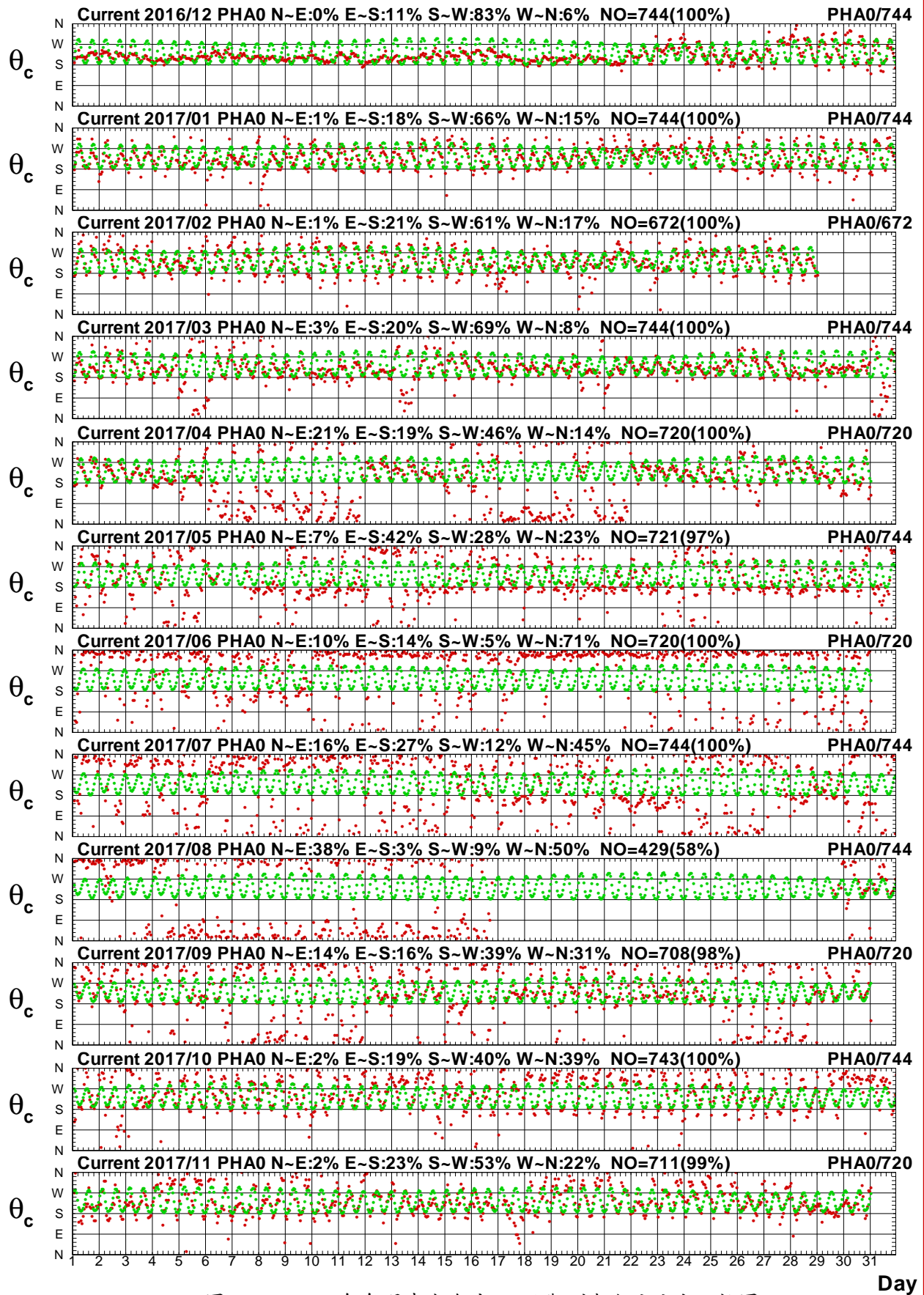


圖4.3b 2017年每月澎湖海域 A 站觀測與潮流流向比較圖

C16CPHA0.1H0 C16CPHA0.1HD C171PHA0.1H0 C171PHA0.1HD C172PHA0.1H0 C172PHA0.1HD
 C173PHA0.1H0 C173PHA0.1HD C174PHA0.1H0 C174PHA0.1HD C175PHA0.1H0 C175PHA0.1HD

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Current Speed in Peng-Hu Harbor of PHA0 at 2017

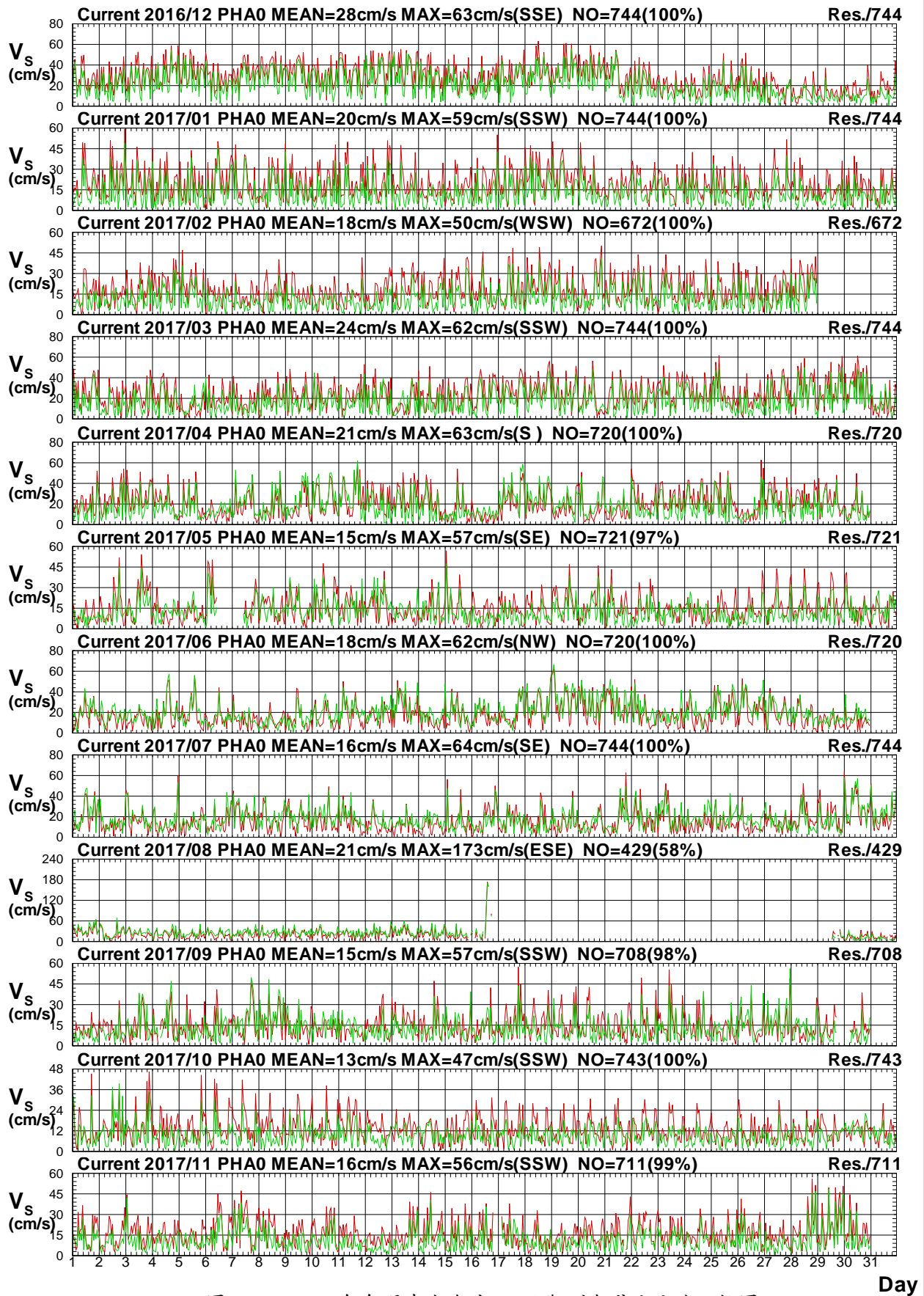


圖4.4a 2017年每月澎湖海域 A 站觀測與殘流流速比較圖

C16CPHA0.1H0 C16CPHA0.1HR C171PHA0.1H0 C171PHA0.1HR C172PHA0.1H0 C172PHA0.1HR
 C173PHA0.1H0 C173PHA0.1HR C174PHA0.1H0 C174PHA0.1HR C175PHA0.1H0 C175PHA0.1HR

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Current Direction in Peng-Hu Harbor of PHA0 at 2017

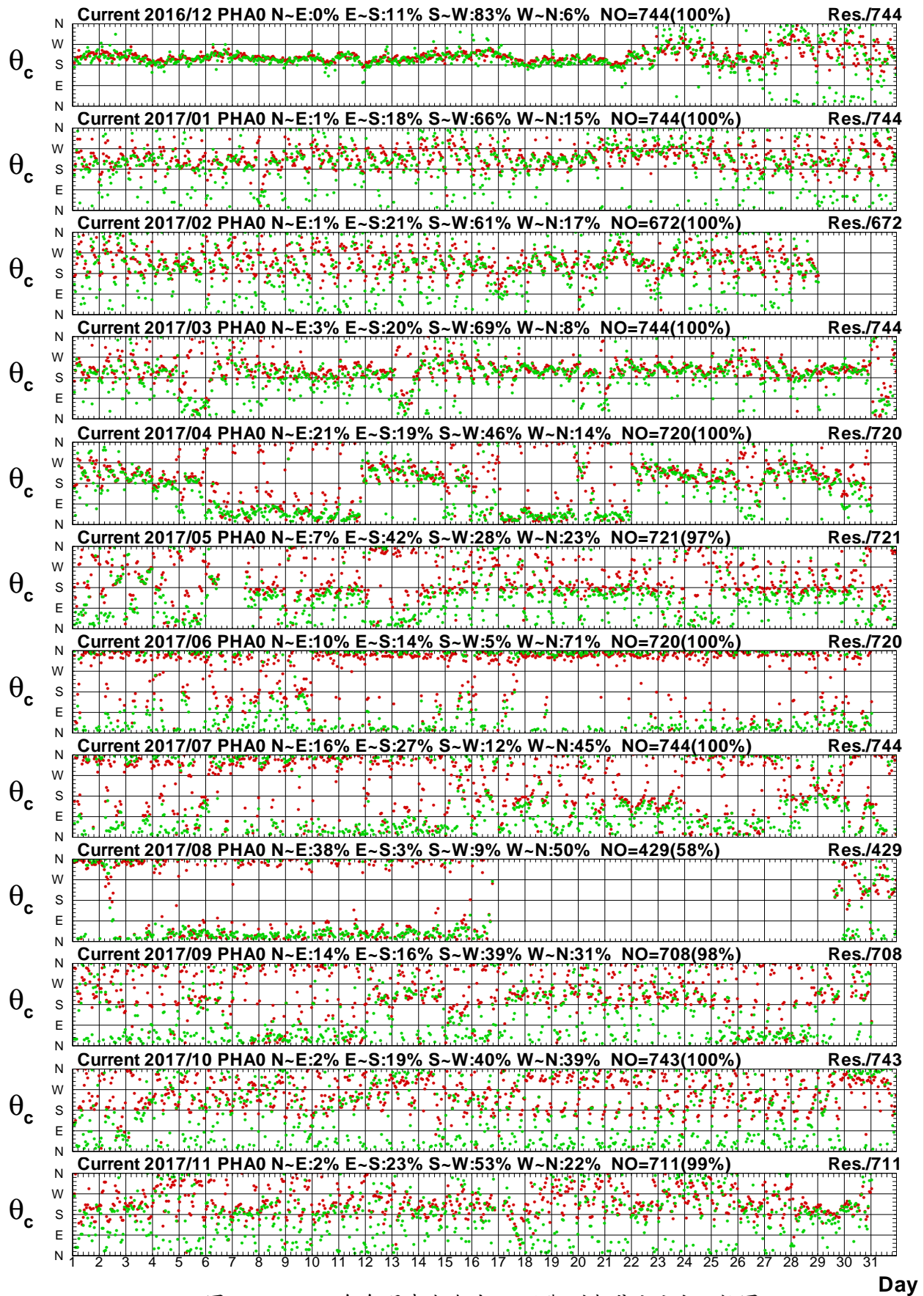


圖4.4b 2017年每月澎湖海域 A 站觀測與殘流流向比較圖

C16CPHA0.1H0 C16CPHA0.1HR C171PHA0.1H0 C171PHA0.1HR C172PHA0.1H0 C172PHA0.1HR
 C173PHA0.1H0 C173PHA0.1HR C174PHA0.1H0 C174PHA0.1HR C175PHA0.1H0 C175PHA0.1HR

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Current Speed in Peng-Hu Harbor of PHY0 at 2017

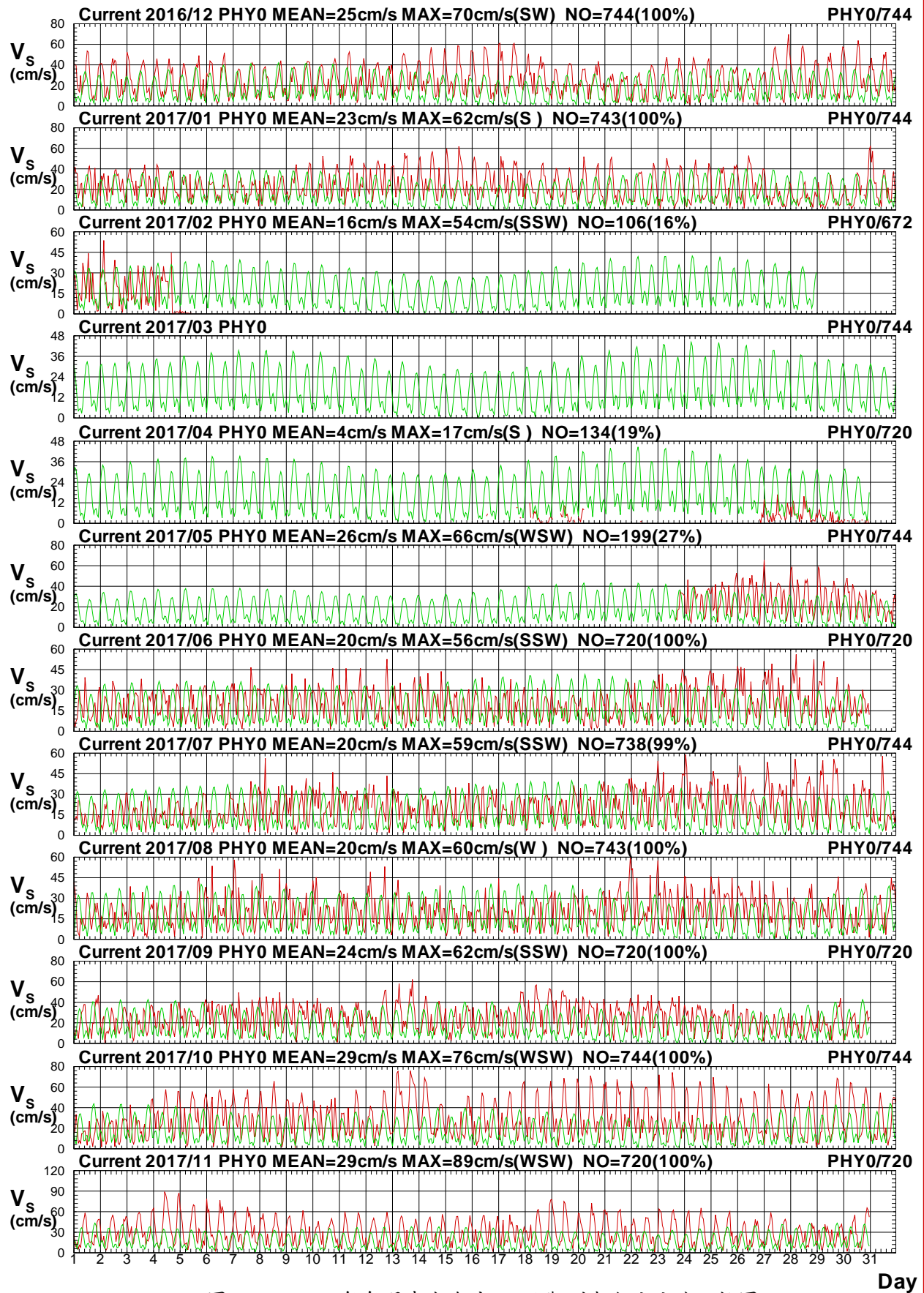


圖 4.5a 2017 年每月澎湖海域 Y 站觀測與潮流流速比較圖

C16CPHY0.1H0 C16CPHY0.1HD C171PHY0.1H0 C171PHY0.1HD C172PHY0.1H0 C172PHY0.1HD
 C173PHY0.1H0 C173PHY0.1HD C174PHY0.1H0 C174PHY0.1HD C175PHY0.1H0 C175PHY0.1HD

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Current Direction in Peng-Hu Harbor of PHY0 at 2017

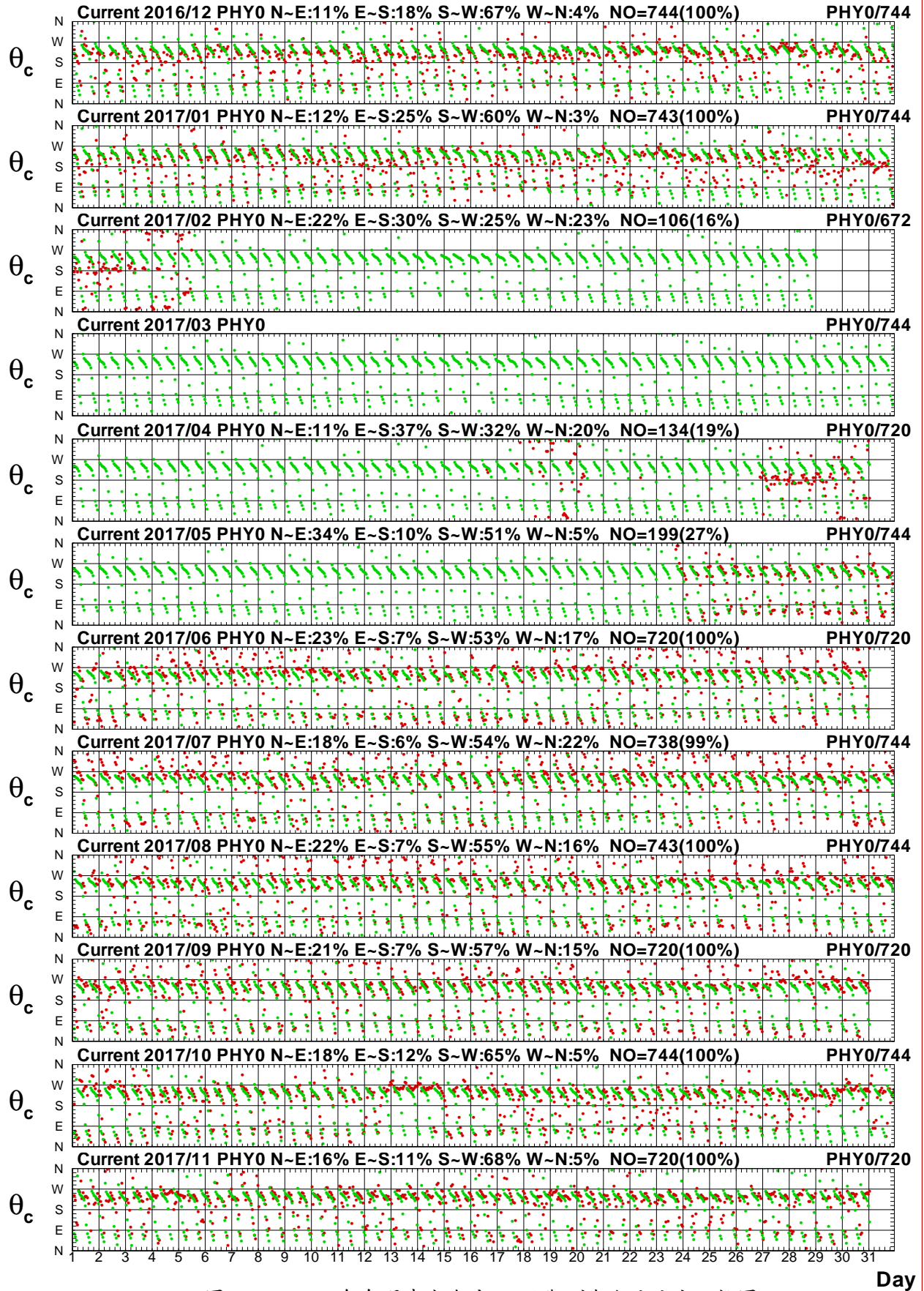


圖4.5b 2017年每月澎湖海域 Y 站觀測與潮流流向比較圖

C16CPHY0.1H0 C16CPHY0.1HD C171PHY0.1H0 C171PHY0.1HD C172PHY0.1H0 C172PHY0.1HD
 C173PHY0.1H0 C173PHY0.1HD C174PHY0.1H0 C174PHY0.1HD C175PHY0.1H0 C175PHY0.1HD

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Current Speed in Peng-Hu Harbor of PHY0 at 2017

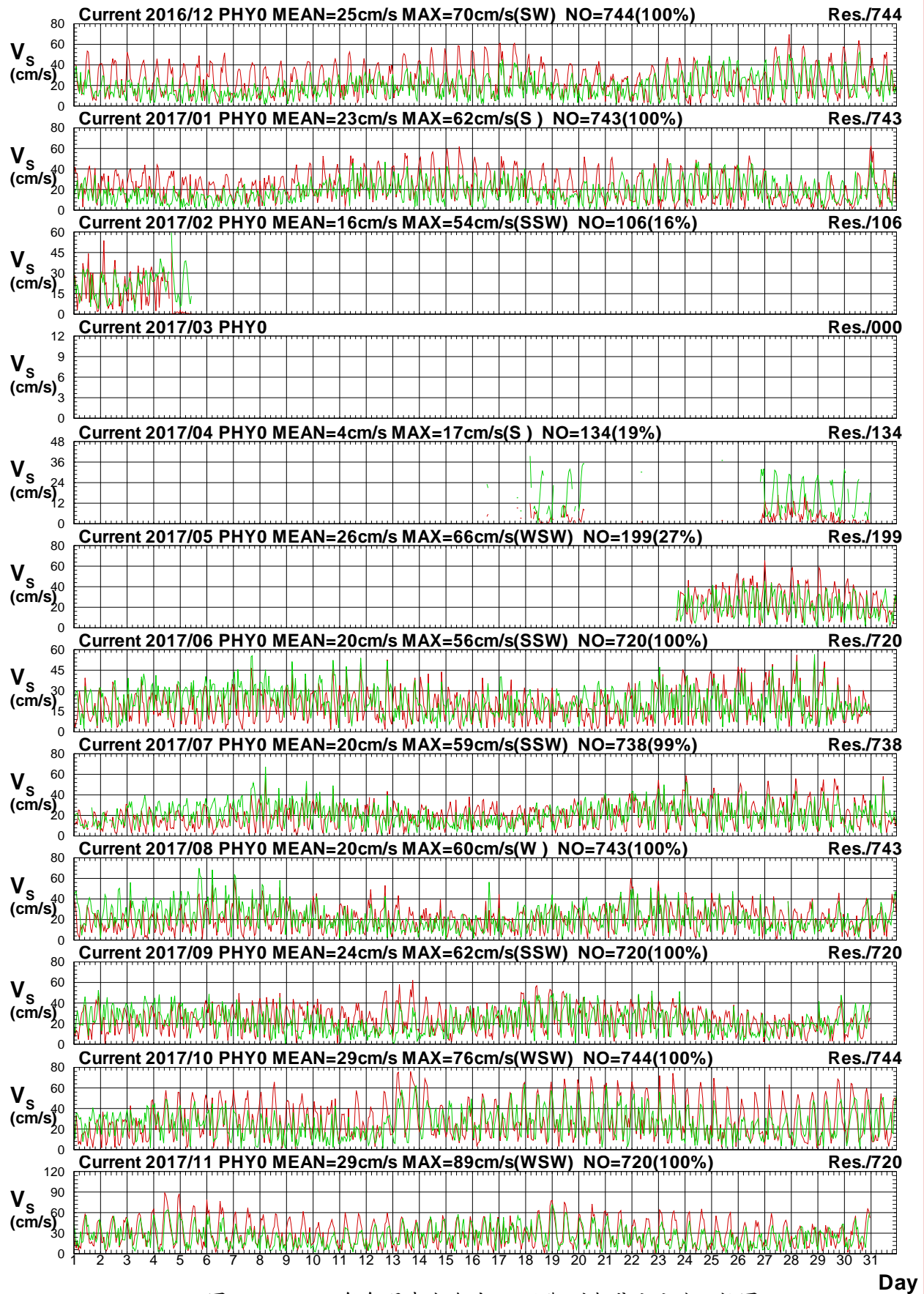


圖 4.6a 2017 年每月澎湖海域 Y 站觀測與殘流流速比較圖

C16CPHY0.1H0 C16CPHY0.1HR C171PHY0.1H0 C171PHY0.1HR C172PHY0.1H0 C172PHY0.1HR
 C173PHY0.1H0 C173PHY0.1HR C174PHY0.1H0 C174PHY0.1HR C175PHY0.1H0 C175PHY0.1HR

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Current Direction in Peng-Hu Harbor of PHY0 at 2017

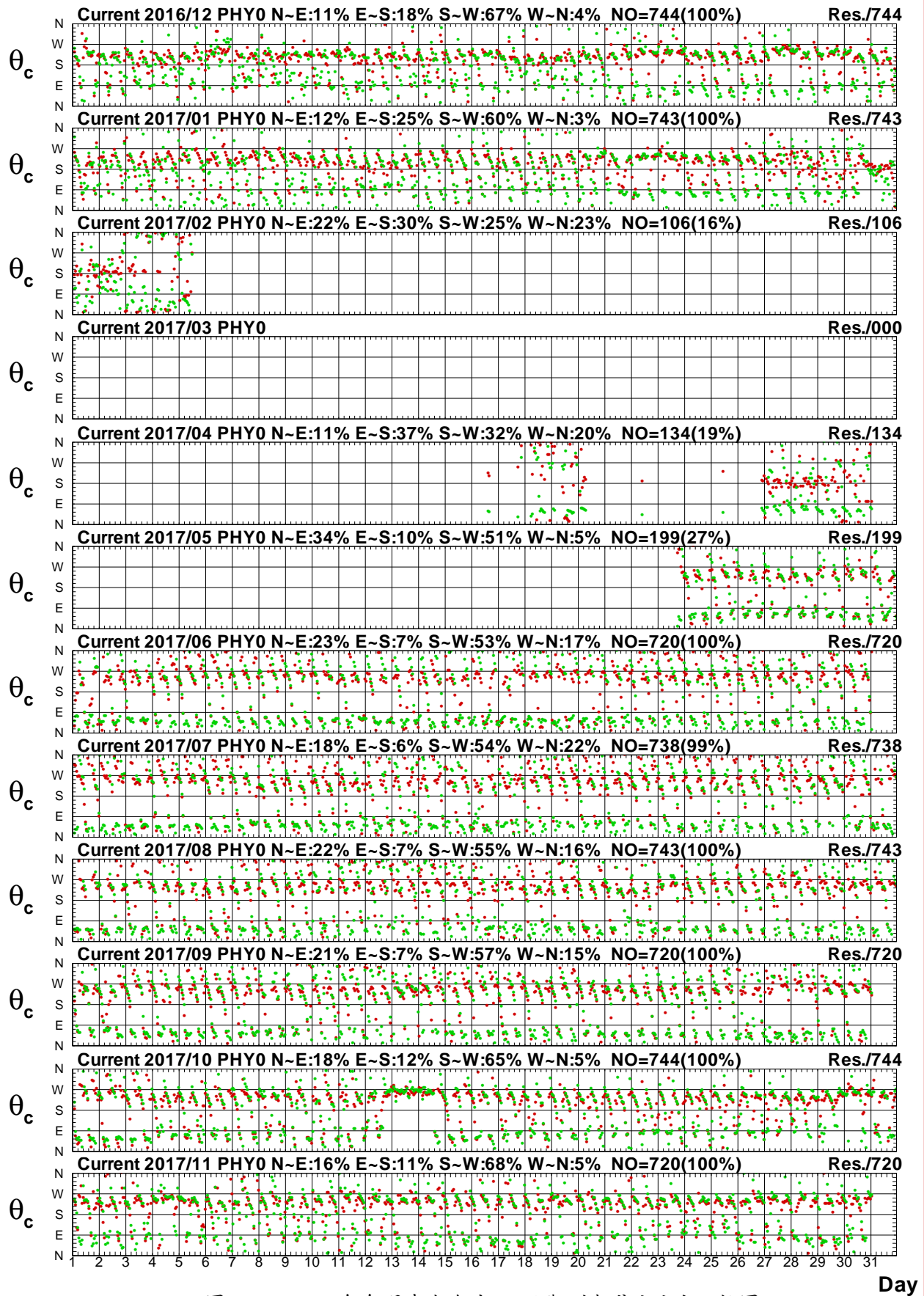


圖4.6b 2017年每月澎湖海域 Y 站觀測與殘流流向比較圖

C16CPHY0.1H0 C16CPHY0.1HR C171PHY0.1H0 C171PHY0.1HR C172PHY0.1H0 C172PHY0.1HR
 C173PHY0.1H0 C173PHY0.1HR C174PHY0.1H0 C174PHY0.1HR C175PHY0.1H0 C175PHY0.1HR

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Current Speed in Peng-Hu Harbor of PHZ0 at 2017

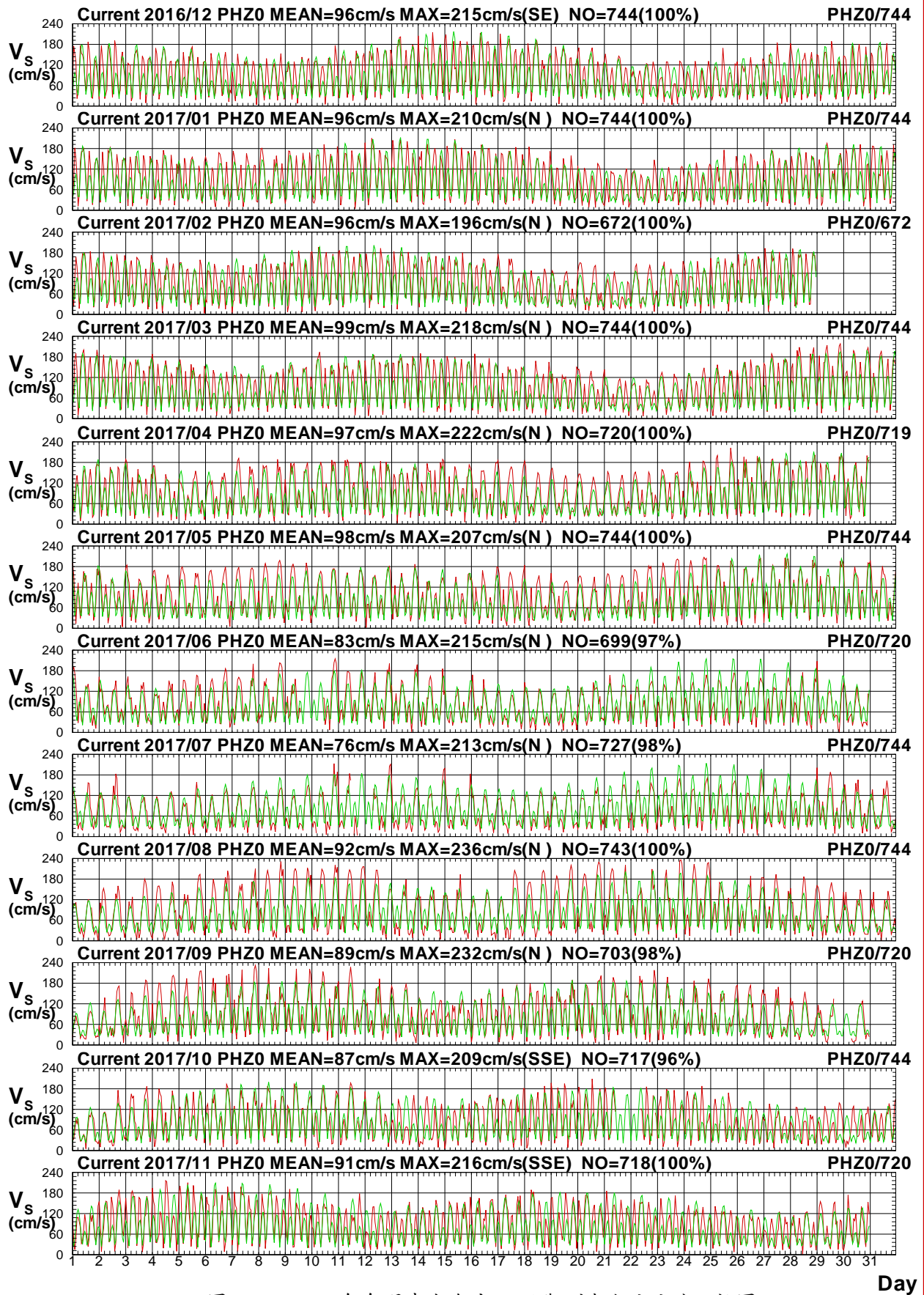


圖4.7a 2017年每月澎湖海域 Z 站觀測與潮流流速比較圖

C16CPHZ0.1H0 C16CPHZ0.1HD C171PHZ0.1H0 C171PHZ0.1HD C172PHZ0.1H0 C172PHZ0.1HD
 C173PHZ0.1H0 C173PHZ0.1HD C174PHZ0.1H0 C174PHZ0.1HD C175PHZ0.1H0 C175PHZ0.1HD

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Current Direction in Peng-Hu Harbor of PHZ0 at 2017

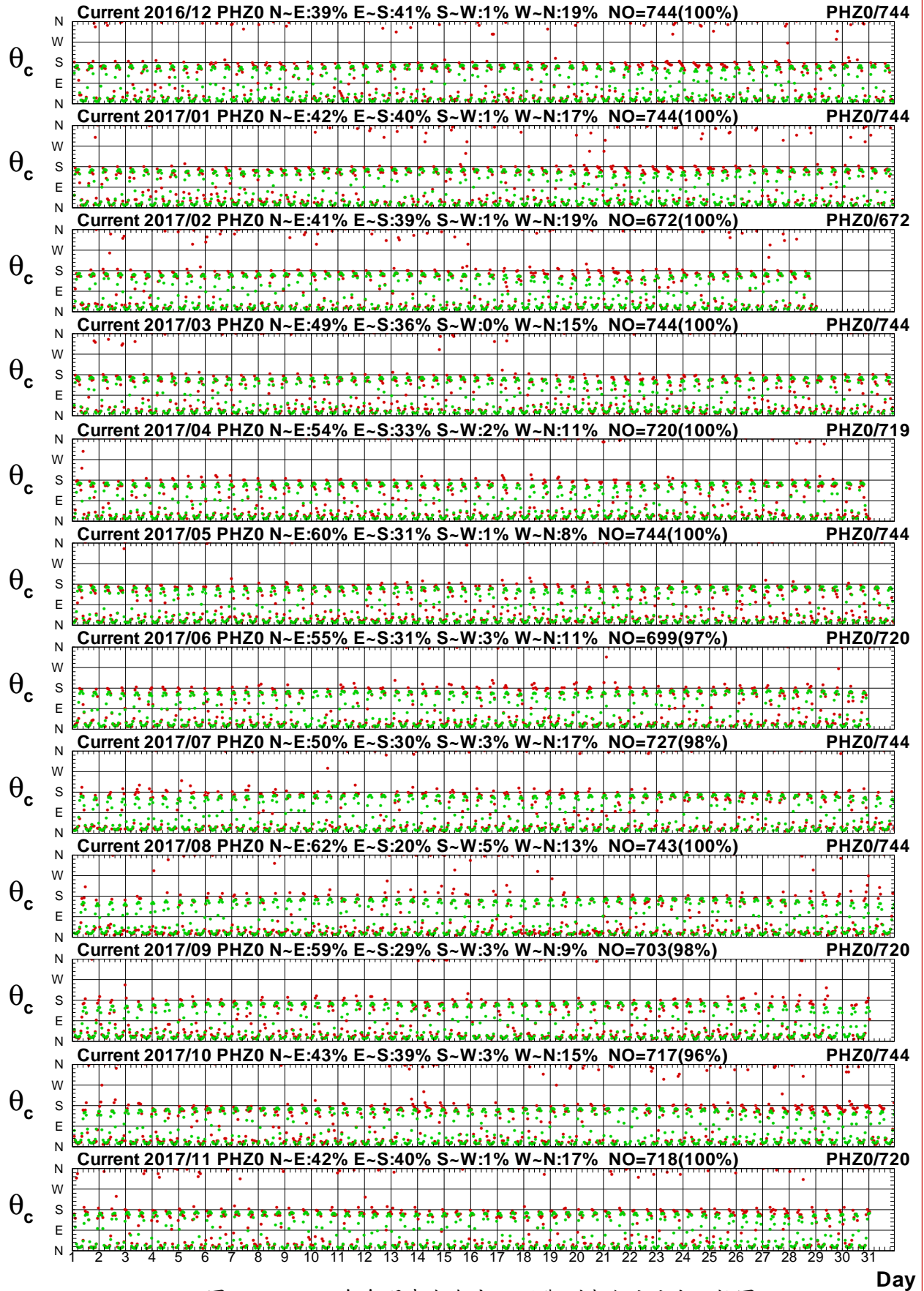


圖4.7b 2017年每月澎湖海域 Z 站觀測與潮流流向比較圖

C16CPHZ0.1H0 C16CPHZ0.1HD C171PHZ0.1H0 C171PHZ0.1HD C172PHZ0.1H0 C172PHZ0.1HD
 C173PHZ0.1H0 C173PHZ0.1HD C174PHZ0.1H0 C174PHZ0.1HD C175PHZ0.1H0 C175PHZ0.1HD

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Current Speed in Peng-Hu Harbor of PHZ0 at 2017

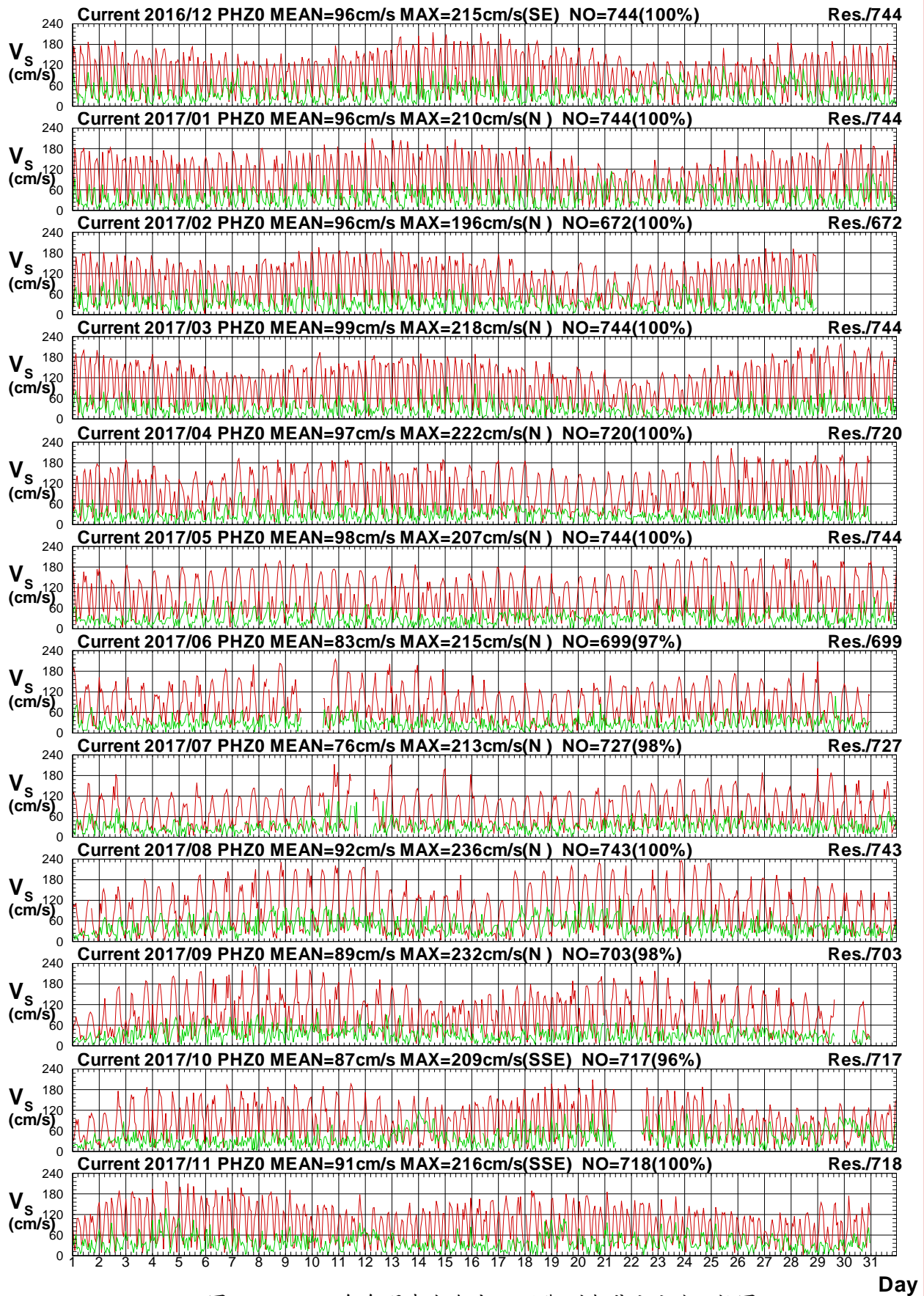


圖4.8a 2017年每月澎湖海域 Z 站觀測與殘流流速比較圖

C16CPHZ0.1H0 C16CPHZ0.1HR C171PHZ0.1H0 C171PHZ0.1HR C172PHZ0.1H0 C172PHZ0.1HR
 C173PHZ0.1H0 C173PHZ0.1HR C174PHZ0.1H0 C174PHZ0.1HR C175PHZ0.1H0 C175PHZ0.1HR

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Current Direction in Peng-Hu Harbor of PHZ0 at 2017

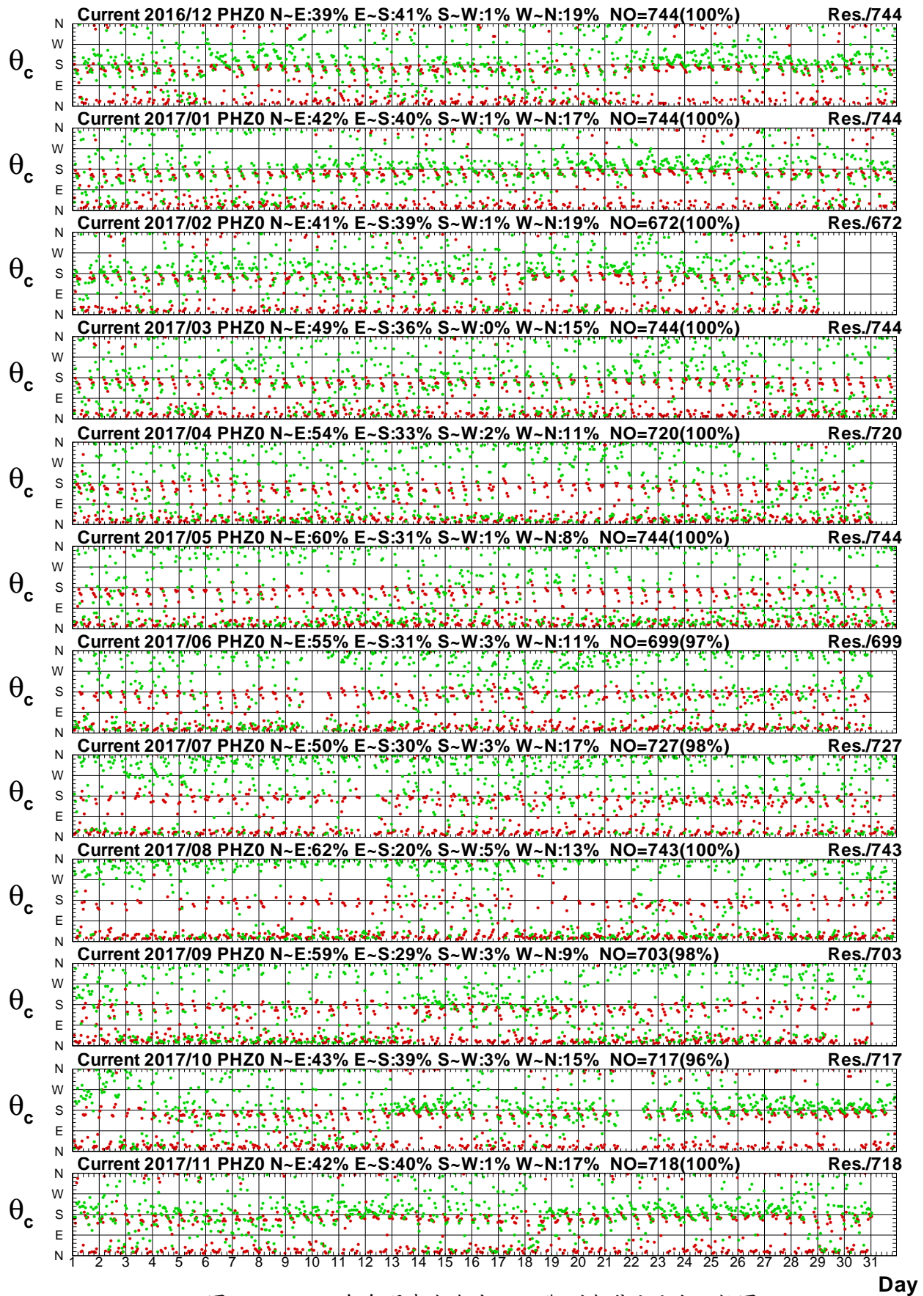


圖4.8b 2017年每月澎湖海域 Z 站觀測與殘流流向比較圖

C16CPHZ0.1H0 C16CPHZ0.1HR C171PHZ0.1H0 C171PHZ0.1HR C172PHZ0.1H0 C172PHZ0.1HR
 C173PHZ0.1H0 C173PHZ0.1HR C174PHZ0.1H0 C174PHZ0.1HR C175PHZ0.1H0 C175PHZ0.1HR

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Current Speed in Peng-Hu Harbor of PHR0 at 2017

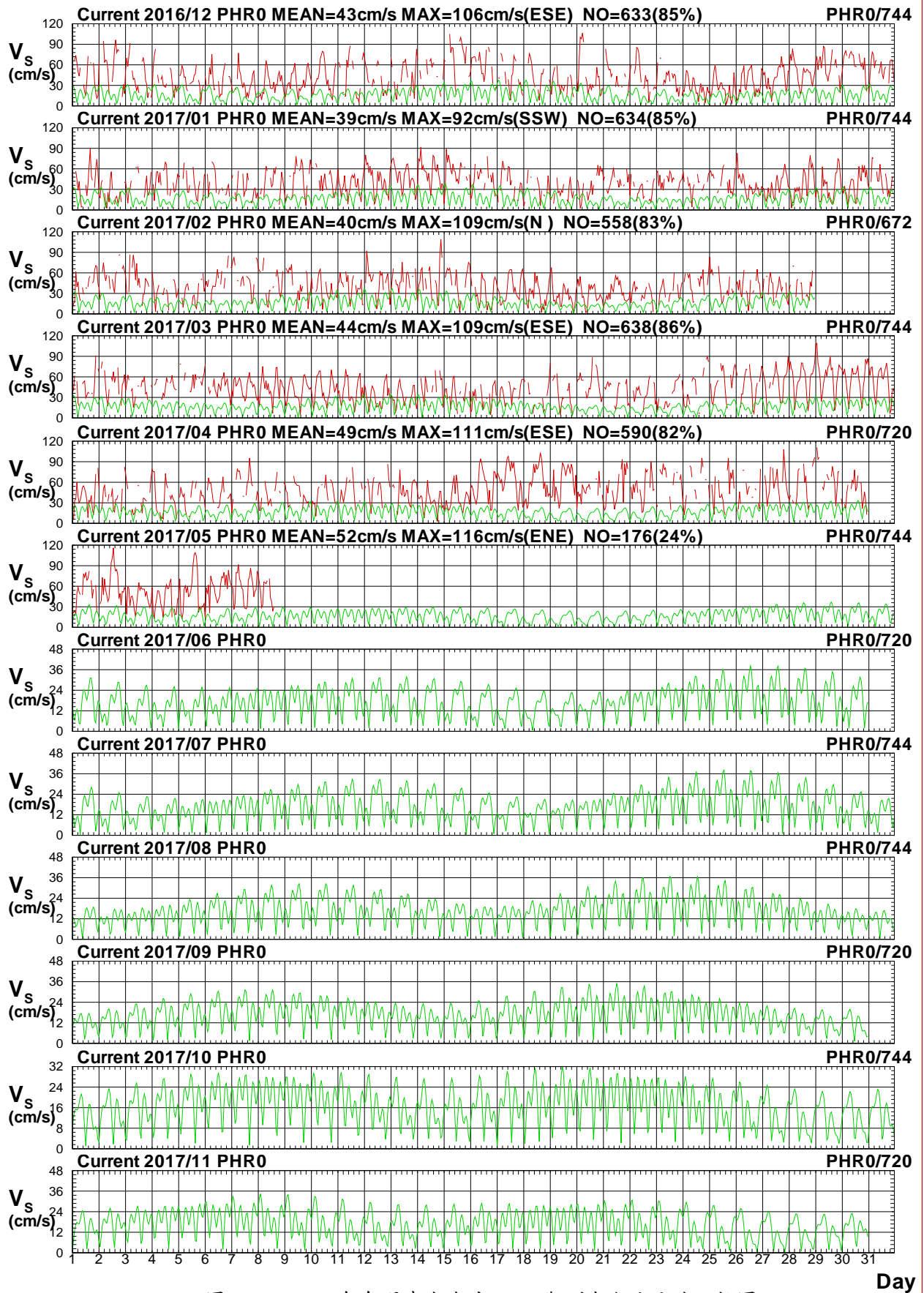


圖4.9a 2017年每月澎湖海域 R 站觀測與潮流流速比較圖

C16CPHR0.1H0 C16CPHR0.1HD C171PHR0.1H0 C171PHR0.1HD C172PHR0.1H0 C172PHR0.1HD
 C173PHR0.1H0 C173PHR0.1HD C174PHR0.1H0 C174PHR0.1HD C175PHR0.1H0 C175PHR0.1HD

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Current Direction in Peng-Hu Harbor of PHR0 at 2017

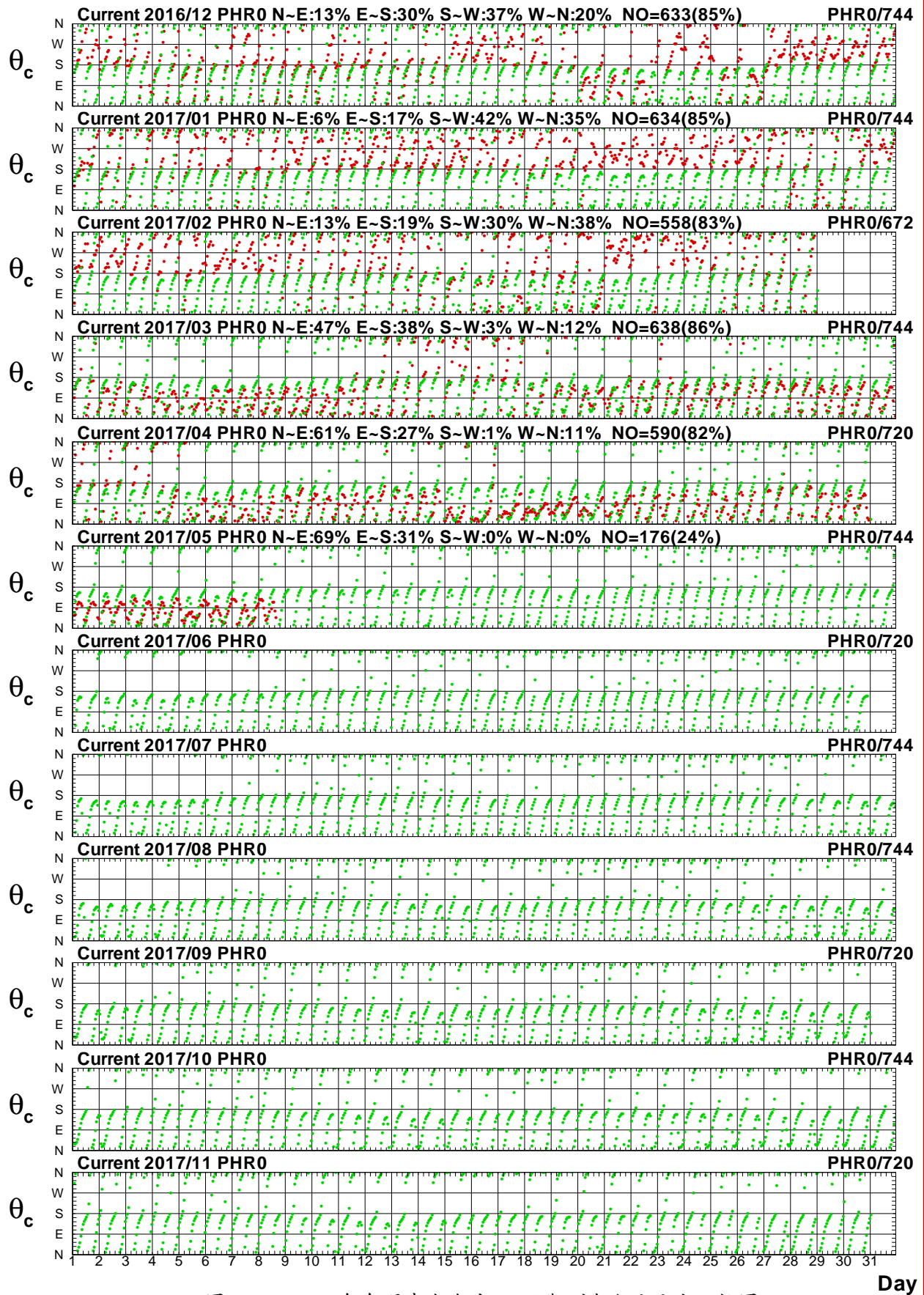


圖4.9b 2017年每月澎湖海域 R 站觀測與潮流流向比較圖

C16CPHR0.1H0 C16CPHR0.1HD C171PHR0.1H0 C171PHR0.1HD C172PHR0.1H0 C172PHR0.1HD
 C173PHR0.1H0 C173PHR0.1HD C174PHR0.1H0 C174PHR0.1HD C175PHR0.1H0 C175PHR0.1HD

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Current Speed in Peng-Hu Harbor of PHR0 at 2017

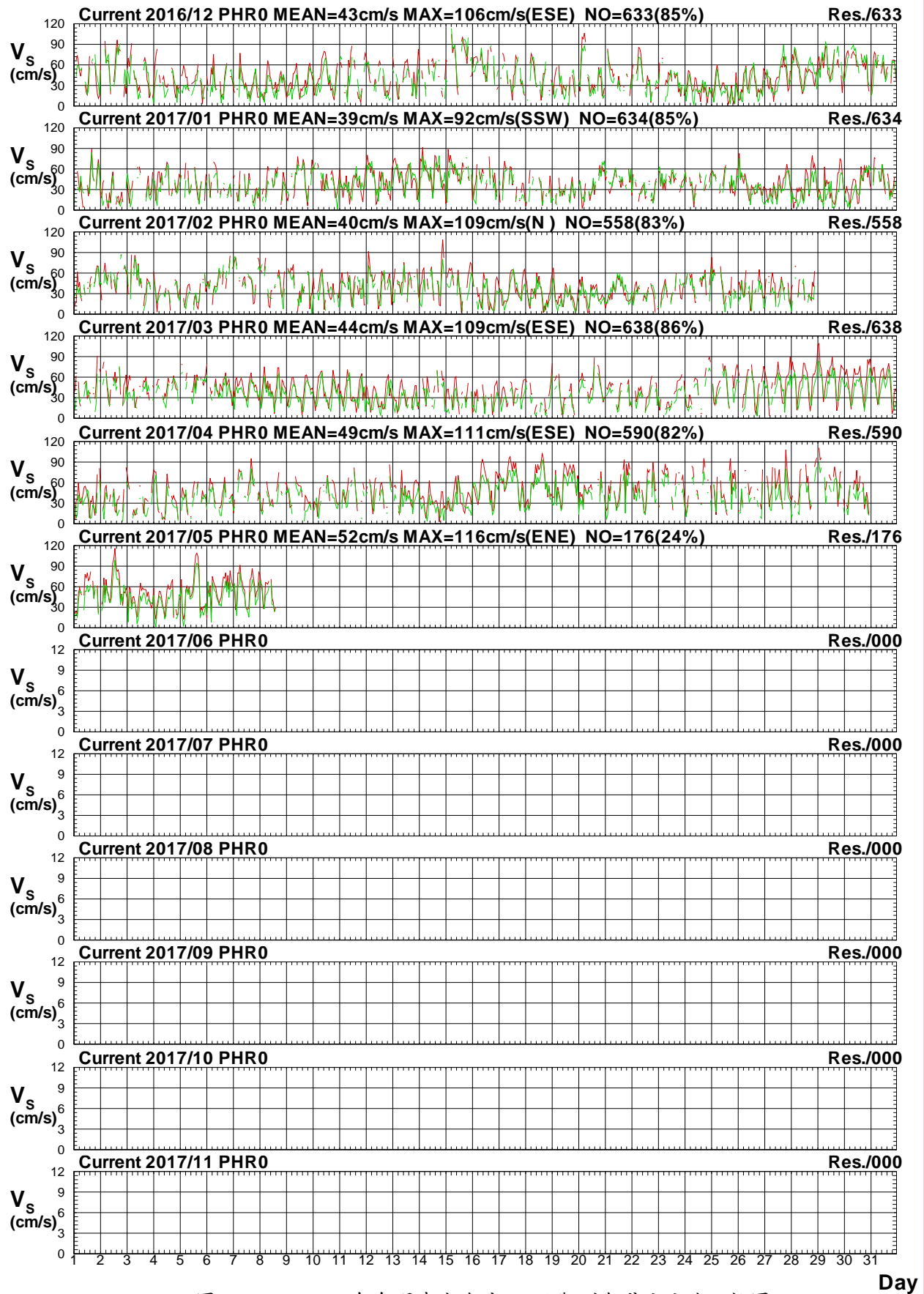


圖4.110a 2017年每月澎湖海域 R 站觀測與殘流流速比較圖

C16CPHR0.1H0 C16CPHR0.1HR C171PHR0.1H0 C171PHR0.1HR C172PHR0.1H0 C172PHR0.1HR
 C173PHR0.1H0 C173PHR0.1HR C174PHR0.1H0 C174PHR0.1HR C175PHR0.1H0 C175PHR0.1HR

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Current Direction in Peng-Hu Harbor of PHR0 at 2017

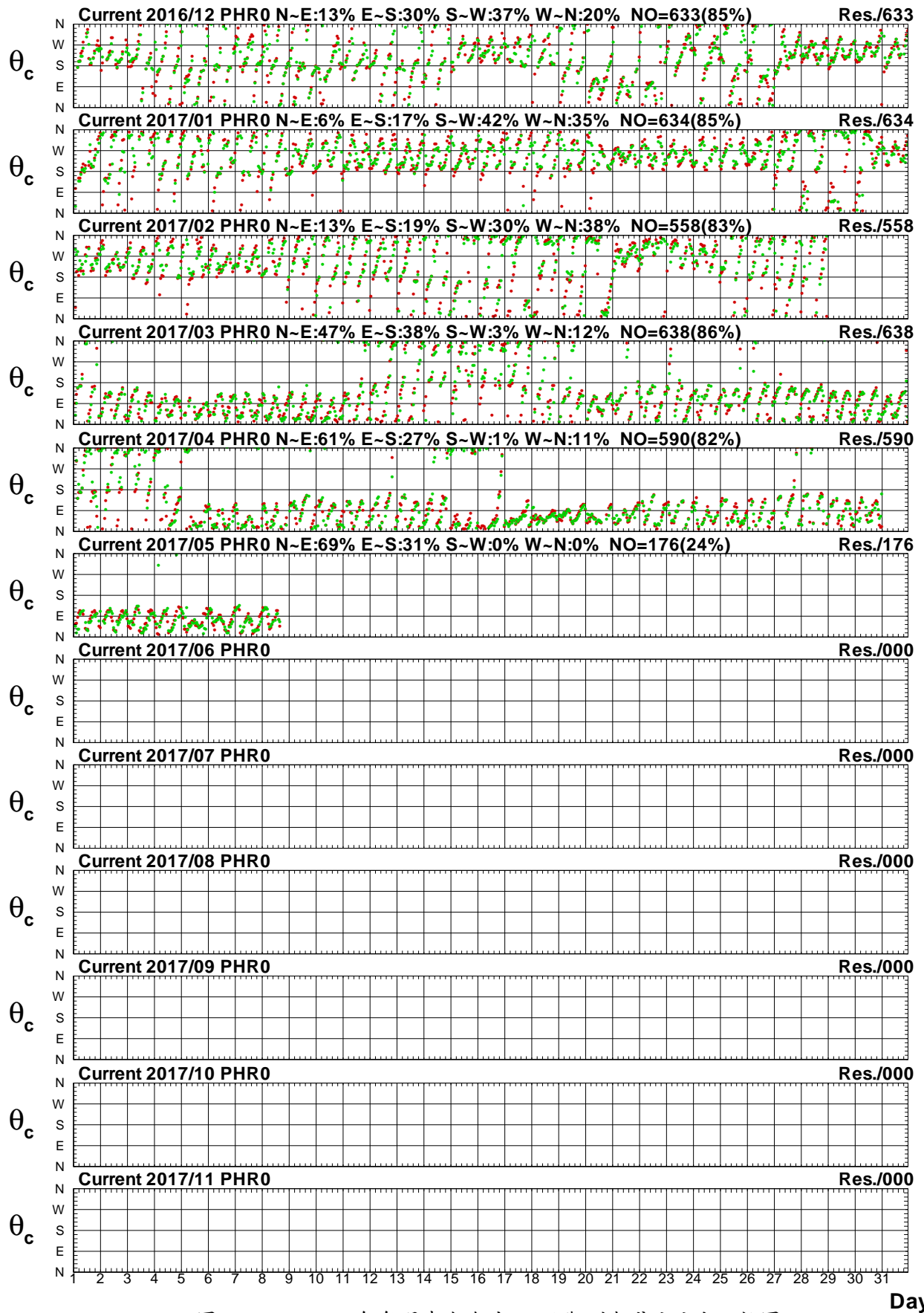


圖4.110b 2017年每月澎湖海域 R 站觀測與殘流流向比較圖

C16CPHR0.1H0 C16CPHR0.1HR C171PHR0.1H0 C171PHR0.1HR C172PHR0.1H0 C172PHR0.1HR
 C173PHR0.1H0 C173PHR0.1HR C174PHR0.1H0 C174PHR0.1HR C175PHR0.1H0 C175PHR0.1HR

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Distribution of Current Vectors

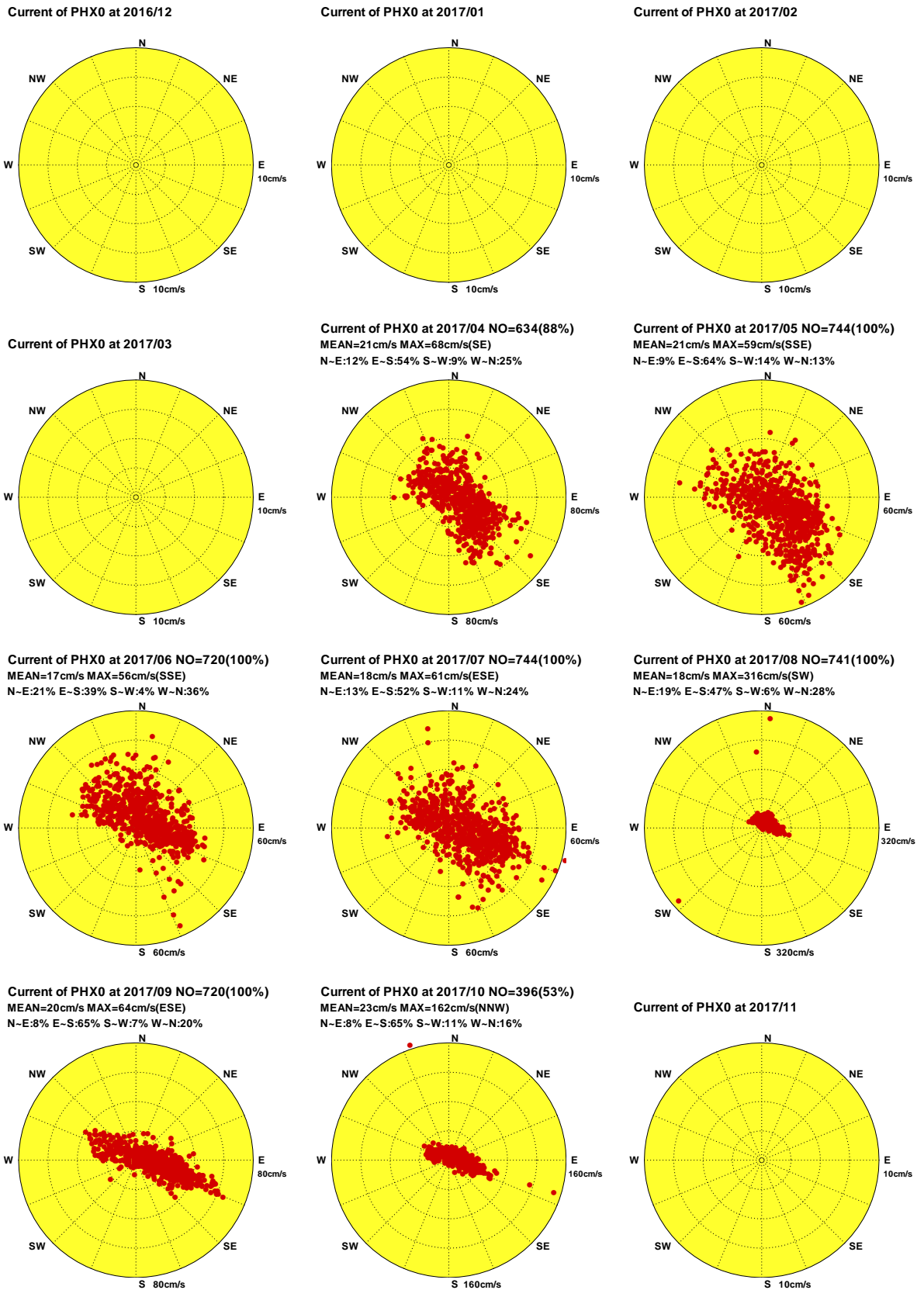


圖4.11a 2017年澎湖海域每月測站 X 觀測海流向量分佈圖

C16CPHX0.1H0 C171PHX0.1H0 C172PHX0.1H0 C173PHX0.1H0 C174PHX0.1H0 C175PHX0.1H0
 C176PHX0.1H0 C177PHX0.1H0 C178PHX0.1H0 C179PHX0.1H0 C17APHX0.1H0 C17BPHX0.1H0

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Progressive Vector Diagram of Current

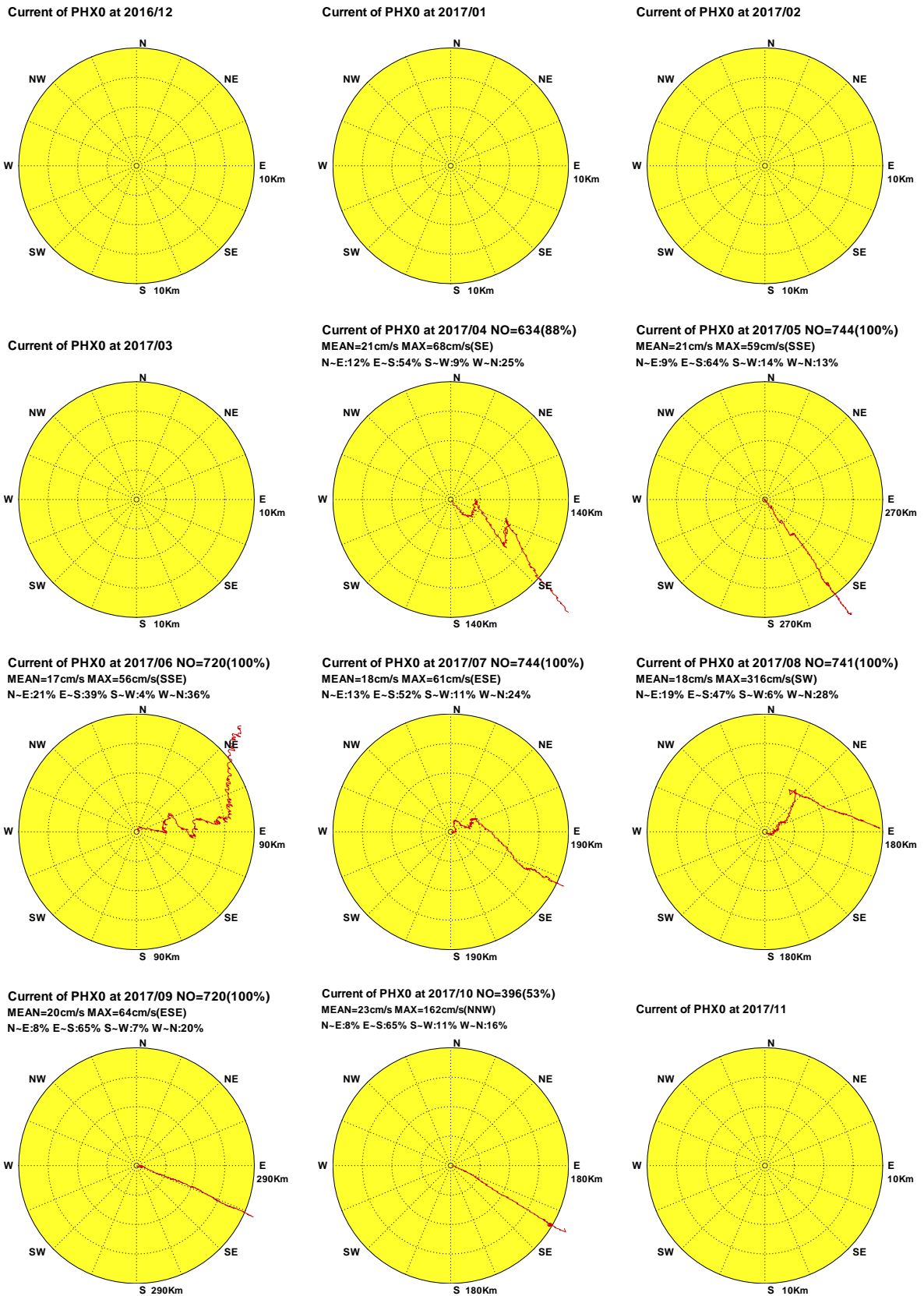


圖4.11b 2017年澎湖海域每月測站 X 觀測海流向量行進圖

C16CPHX0.1H0 C171PHX0.1H0 C172PHX0.1H0 C173PHX0.1H0 C174PHX0.1H0 C175PHX0.1H0
C176PHX0.1H0 C177PHX0.1H0 C178PHX0.1H0 C179PHX0.1H0 C17APHX0.1H0 C17BPHX0.1H0

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Distribution of Current Vectors

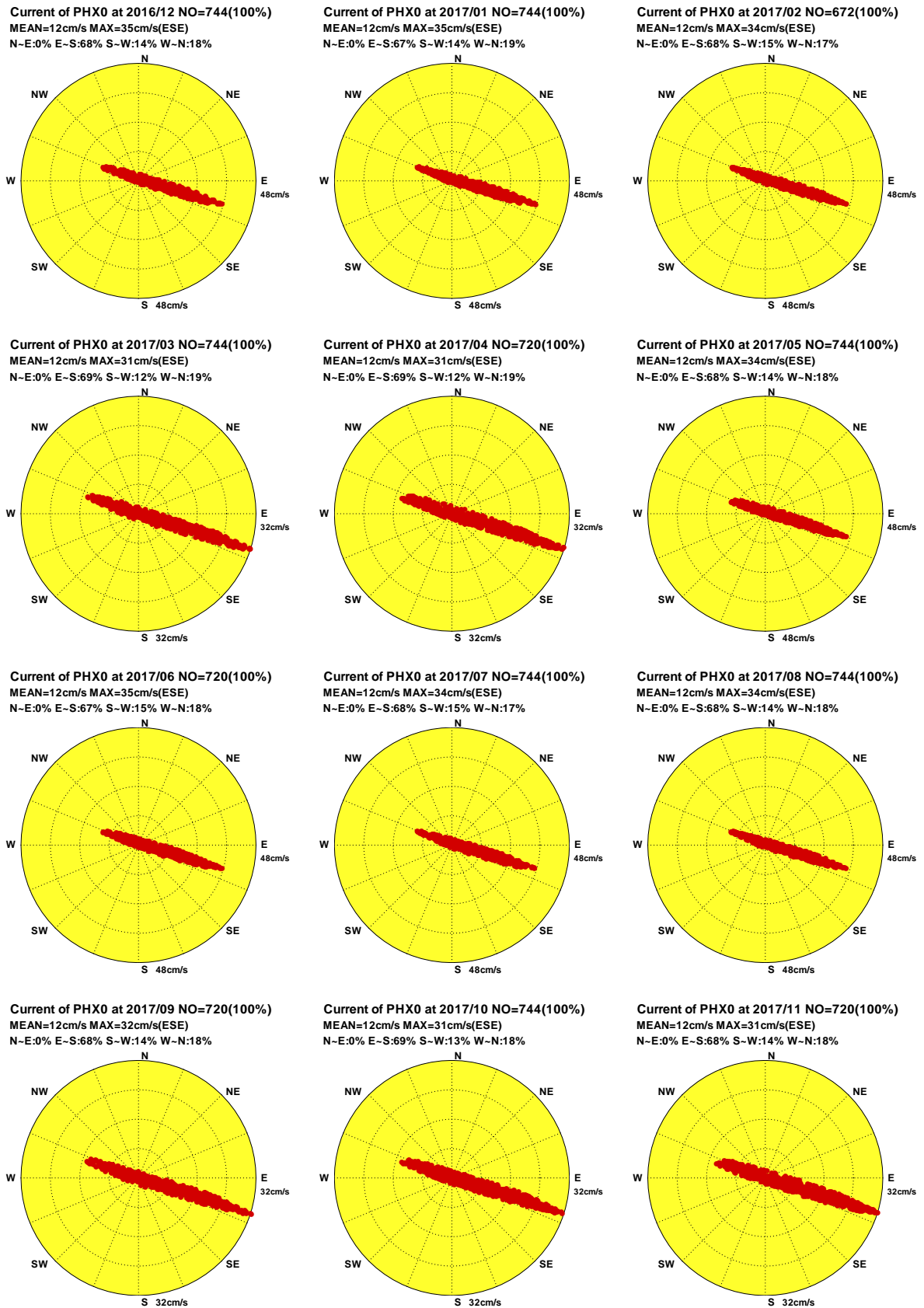


圖4.11c 2017年澎湖海域每月測站 X 計算潮流向量分佈圖

C16CPHX0.1HD C171PHX0.1HD C172PHX0.1HD C173PHX0.1HD C174PHX0.1HD C175PHX0.1HD
C176PHX0.1HD C177PHX0.1HD C178PHX0.1HD C179PHX0.1HD C17APHX0.1HD C17BPHX0.1HD

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Progressive Vector Diagram of Current

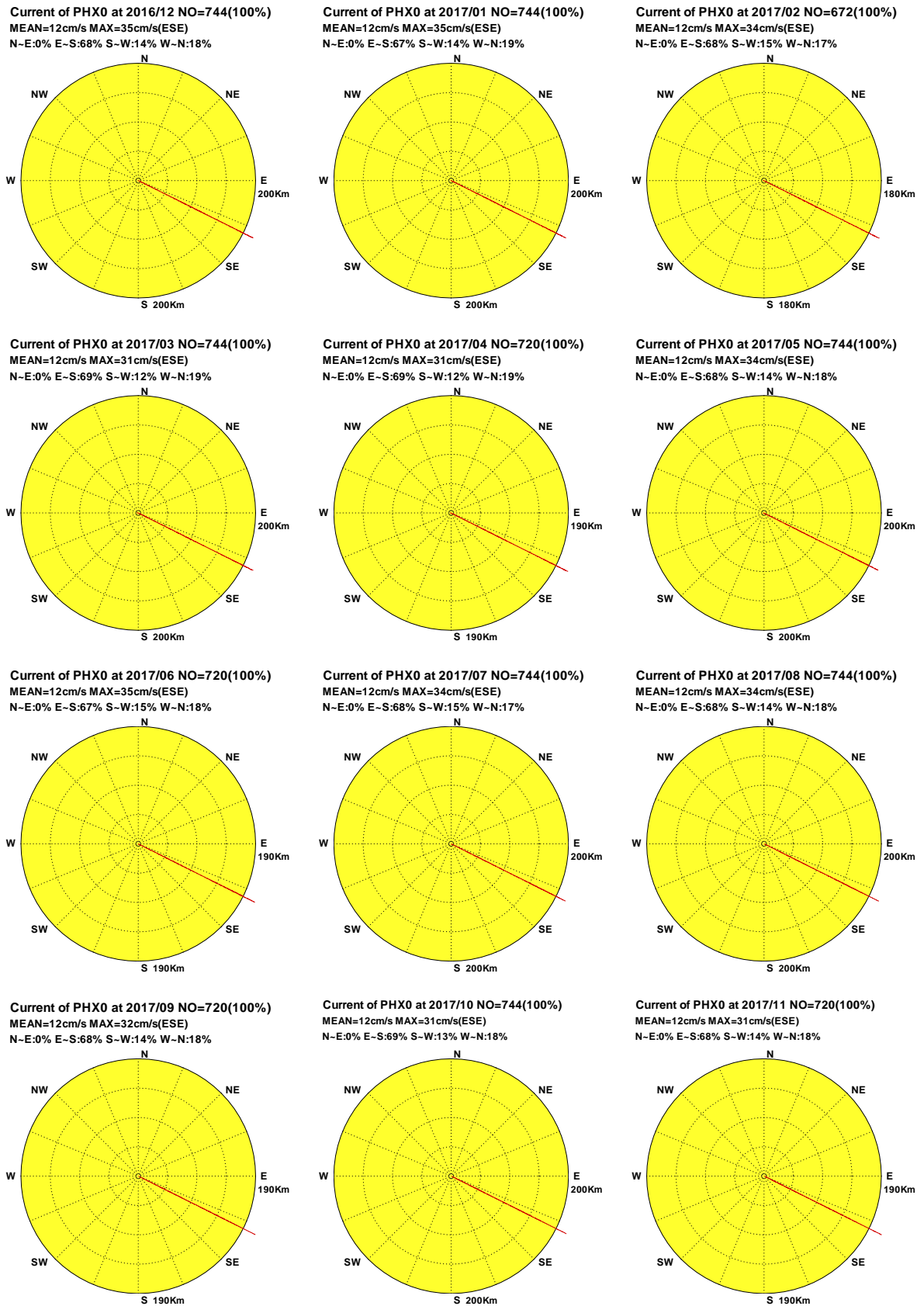


圖4.11d 2017年澎湖海域每月測站 X 計算潮流向量行進圖

C16CPHX0.1HD C171PHX0.1HD C172PHX0.1HD C173PHX0.1HD C174PHX0.1HD C175PHX0.1HD
C176PHX0.1HD C177PHX0.1HD C178PHX0.1HD C179PHX0.1HD C17APHX0.1HD C17BPHX0.1HD

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Distribution of Current Vectors

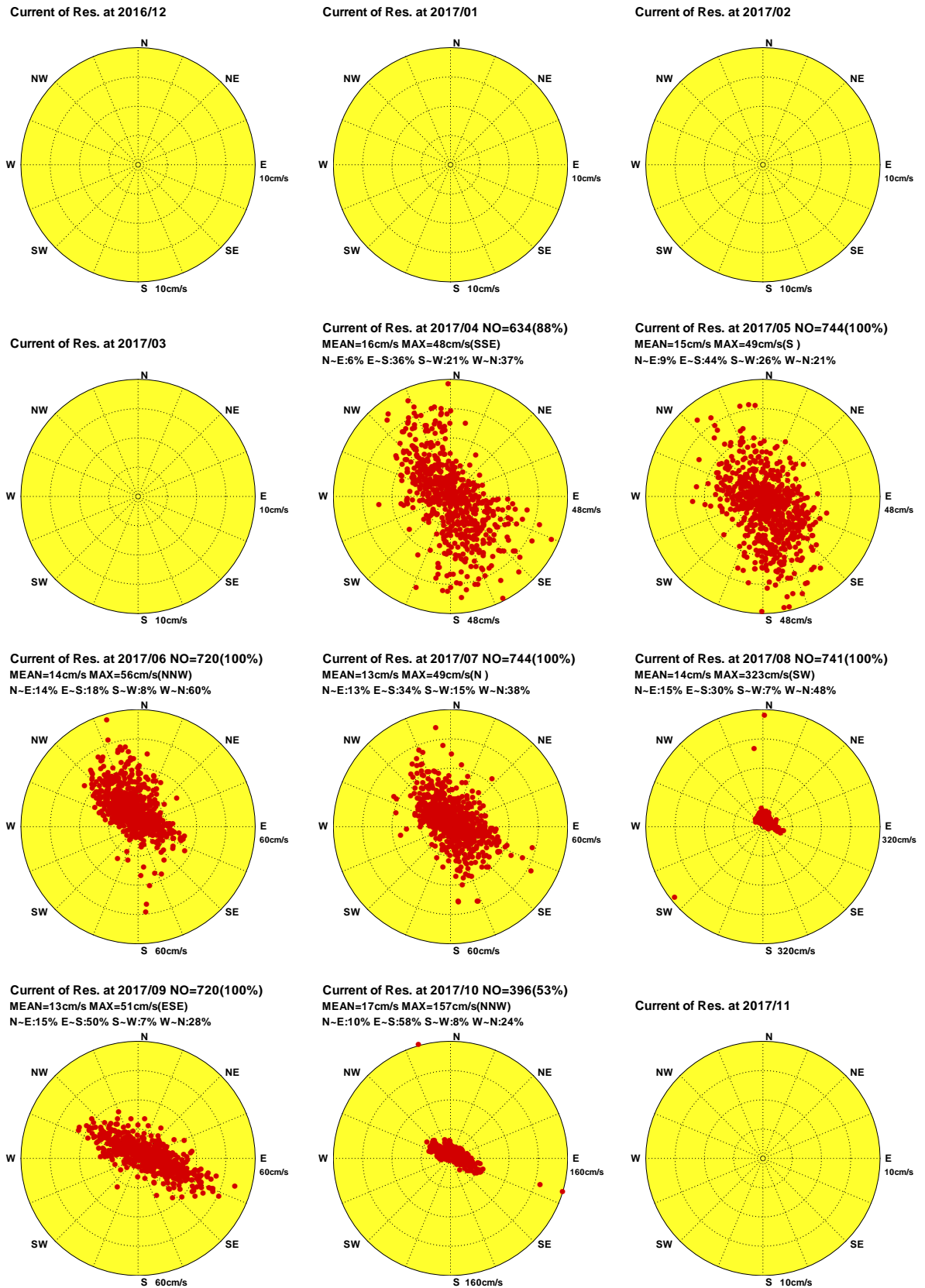


圖4.11e 2017年澎湖海域每月測站 X 計算殘流向量分佈圖

C16CPHX0.1HR C171PHX0.1HR C172PHX0.1HR C173PHX0.1HR C174PHX0.1HR C175PHX0.1HR
 C176PHX0.1HR C177PHX0.1HR C178PHX0.1HR C179PHX0.1HR C17APHX0.1HR C17BPHX0.1HR

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Progressive Vector Diagram of Current

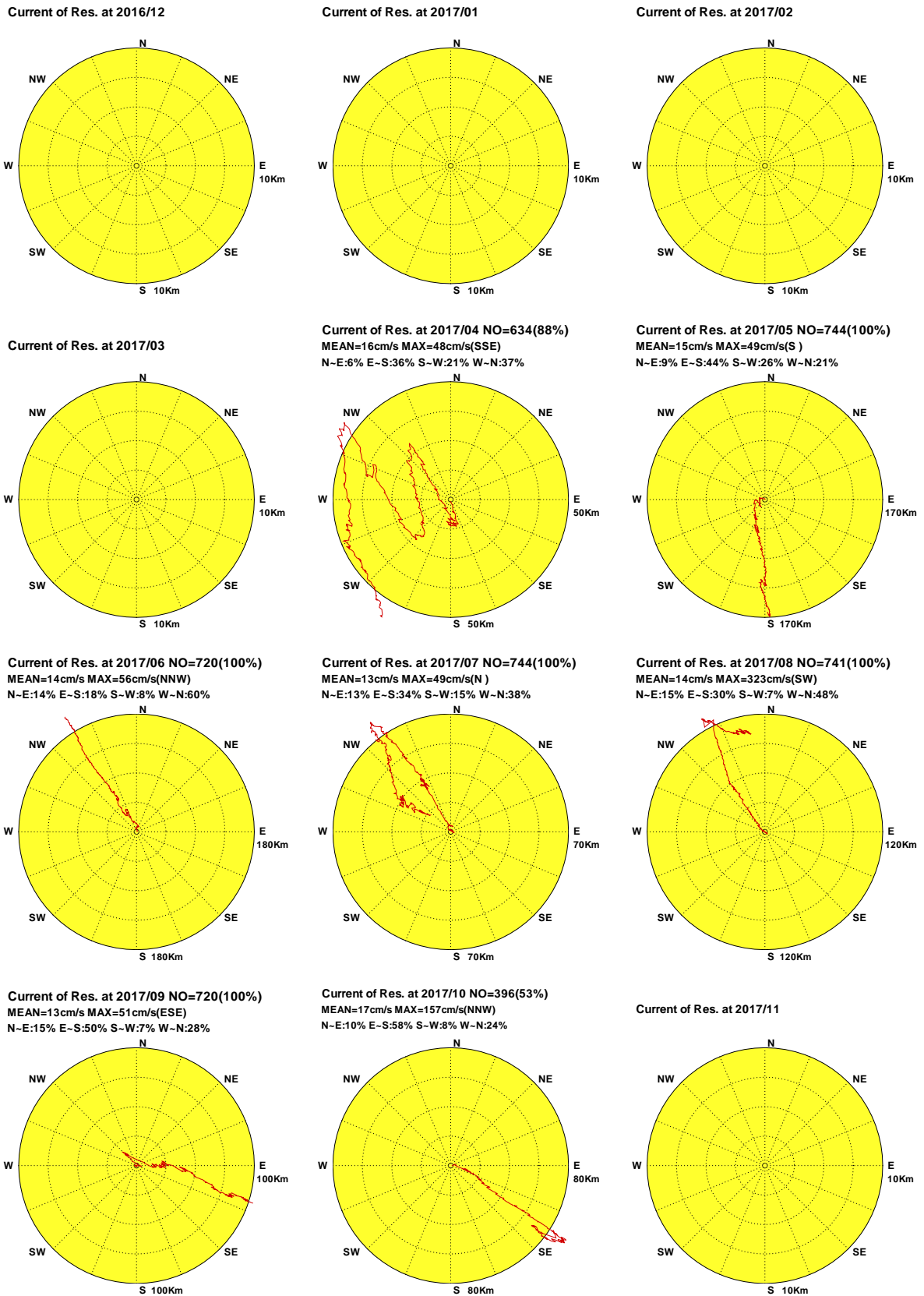


圖4.11f 2017年澎湖海域每月測站 X 計算殘流向量行進圖

C16CPHX0.1HR C171PHX0.1HR C172PHX0.1HR C173PHX0.1HR C174PHX0.1HR C175PHX0.1HR
C176PHX0.1HR C177PHX0.1HR C178PHX0.1HR C179PHX0.1HR C17APHX0.1HR C17BPHX0.1HR

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Distribution of Current Vectors

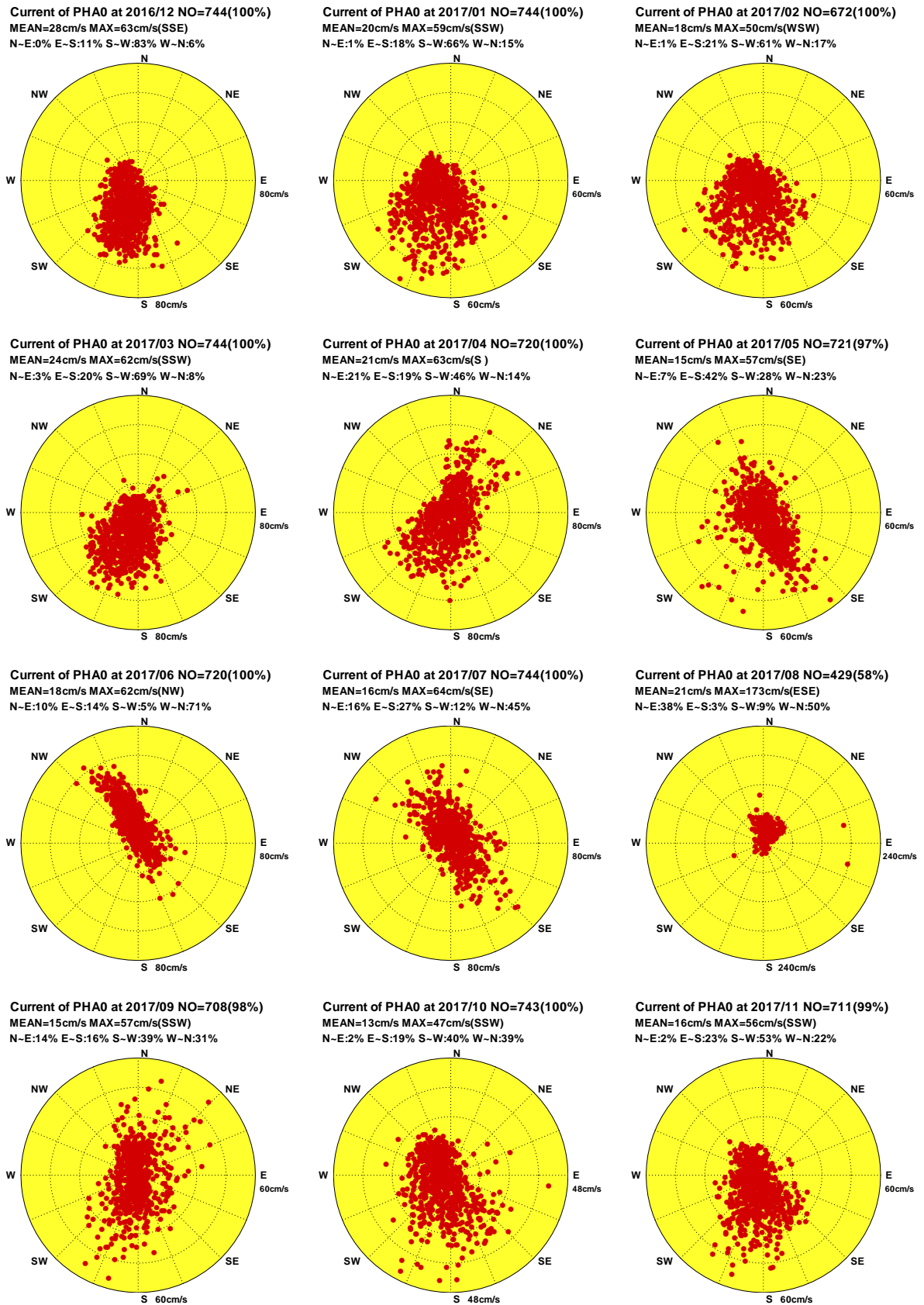


圖4.12a 2017年澎湖海域每月測站 A 觀測海流向量分佈圖

C16CPHA0.1H0 C171PHA0.1H0 C172PHA0.1H0 C173PHA0.1H0 C174PHA0.1H0 C175PHA0.1H0
 C176PHA0.1H0 C177PHA0.1H0 C178PHA0.1H0 C179PHA0.1H0 C17APHA0.1H0 C17BPHA0.1H0

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Progressive Vector Diagram of Current

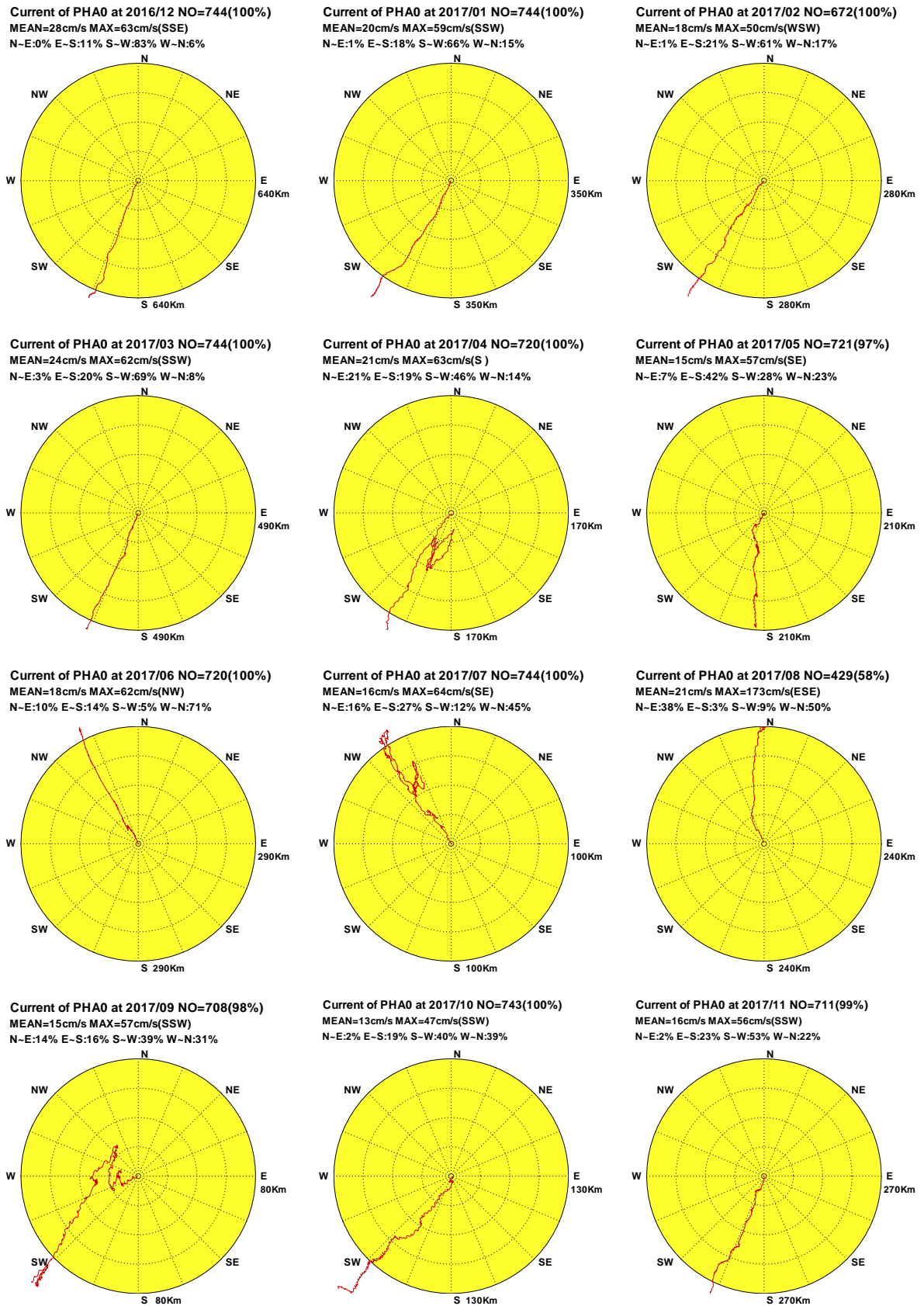


圖4.12b 2017年澎湖海域每月測站 A 觀測海流向量行進圖

C16CPHA0.1H0 C171PHA0.1H0 C172PHA0.1H0 C173PHA0.1H0 C174PHA0.1H0 C175PHA0.1H0
C176PHA0.1H0 C177PHA0.1H0 C178PHA0.1H0 C179PHA0.1H0 C17APHA0.1H0 C17BPHA0.1H0

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Distribution of Current Vectors

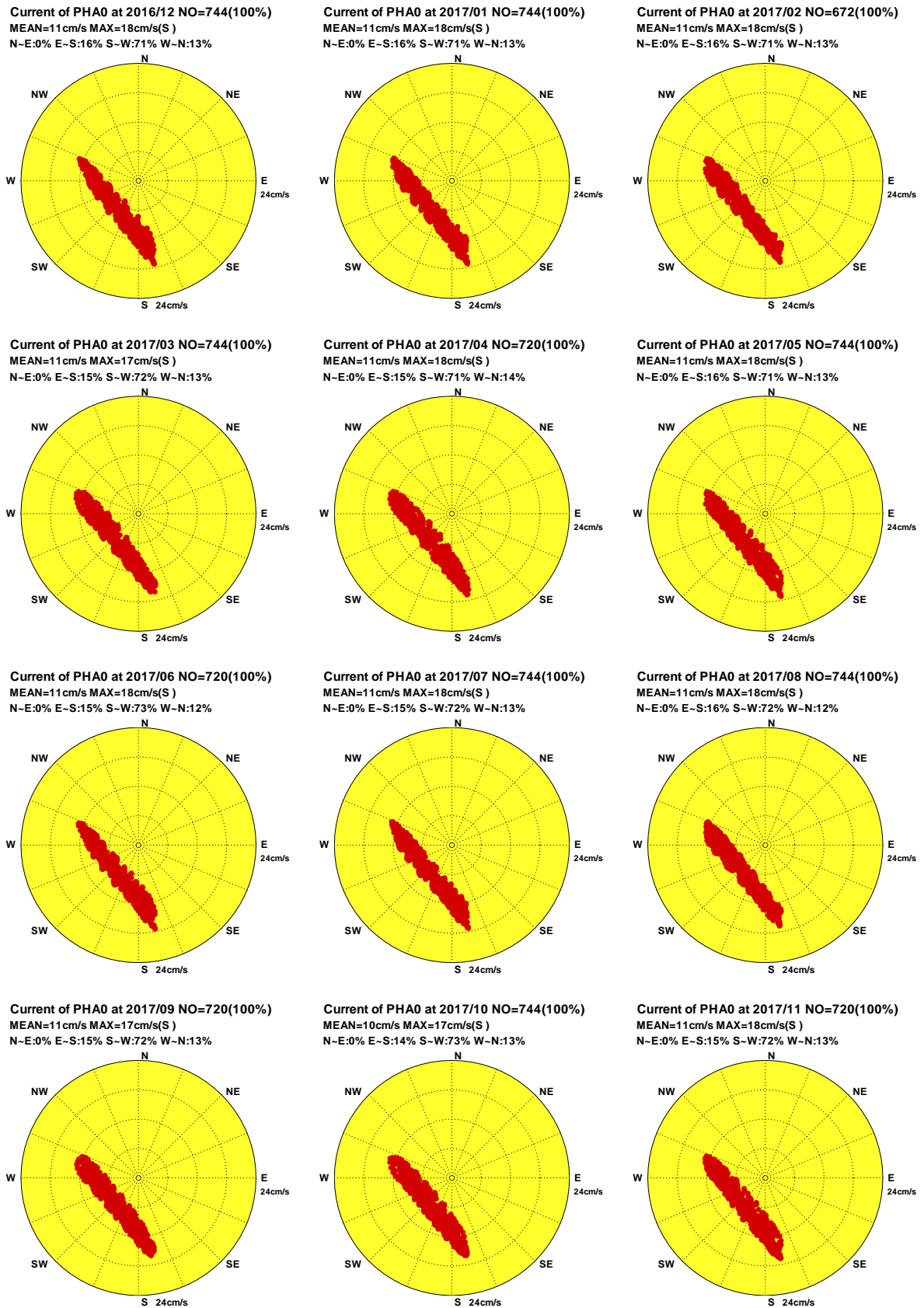


圖4.12c 2017年澎湖海域每月測站 A 計算潮流向量分佈圖

C16CPHA0.1HD C171PHA0.1HD C172PHA0.1HD C173PHA0.1HD C174PHA0.1HD C175PHA0.1HD
 C176PHA0.1HD C177PHA0.1HD C178PHA0.1HD C179PHA0.1HD C17APHA0.1HD C17BPHA0.1HD

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Progressive Vector Diagram of Current

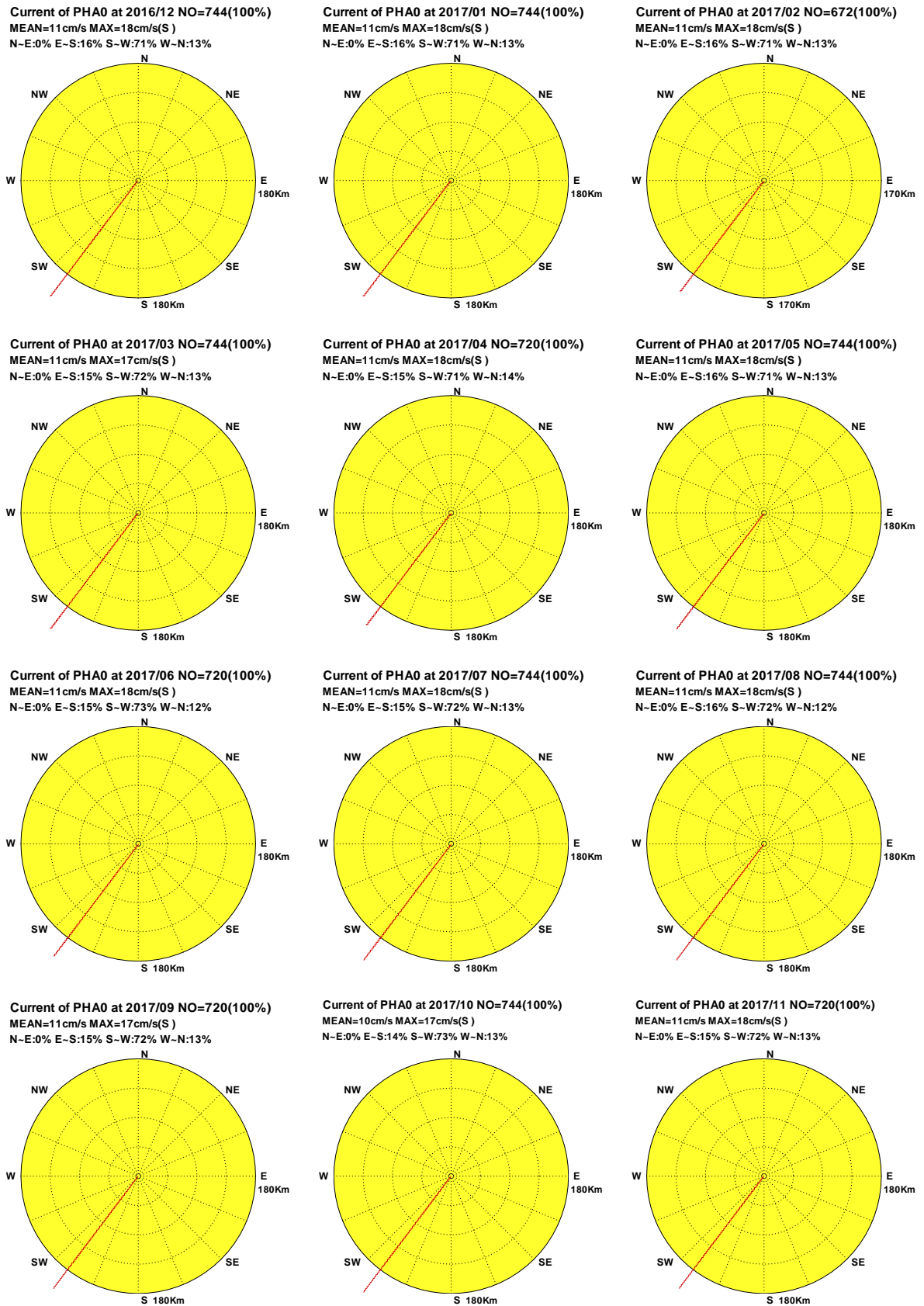


圖4.12d 2017年澎湖海域每月測站 A 計算潮流向量行進圖

C16CPHA0.1HD C171PHA0.1HD C172PHA0.1HD C173PHA0.1HD C174PHA0.1HD C175PHA0.1HD
 C176PHA0.1HD C177PHA0.1HD C178PHA0.1HD C179PHA0.1HD C17APHA0.1HD C17BPHA0.1HD

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Distribution of Current Vectors

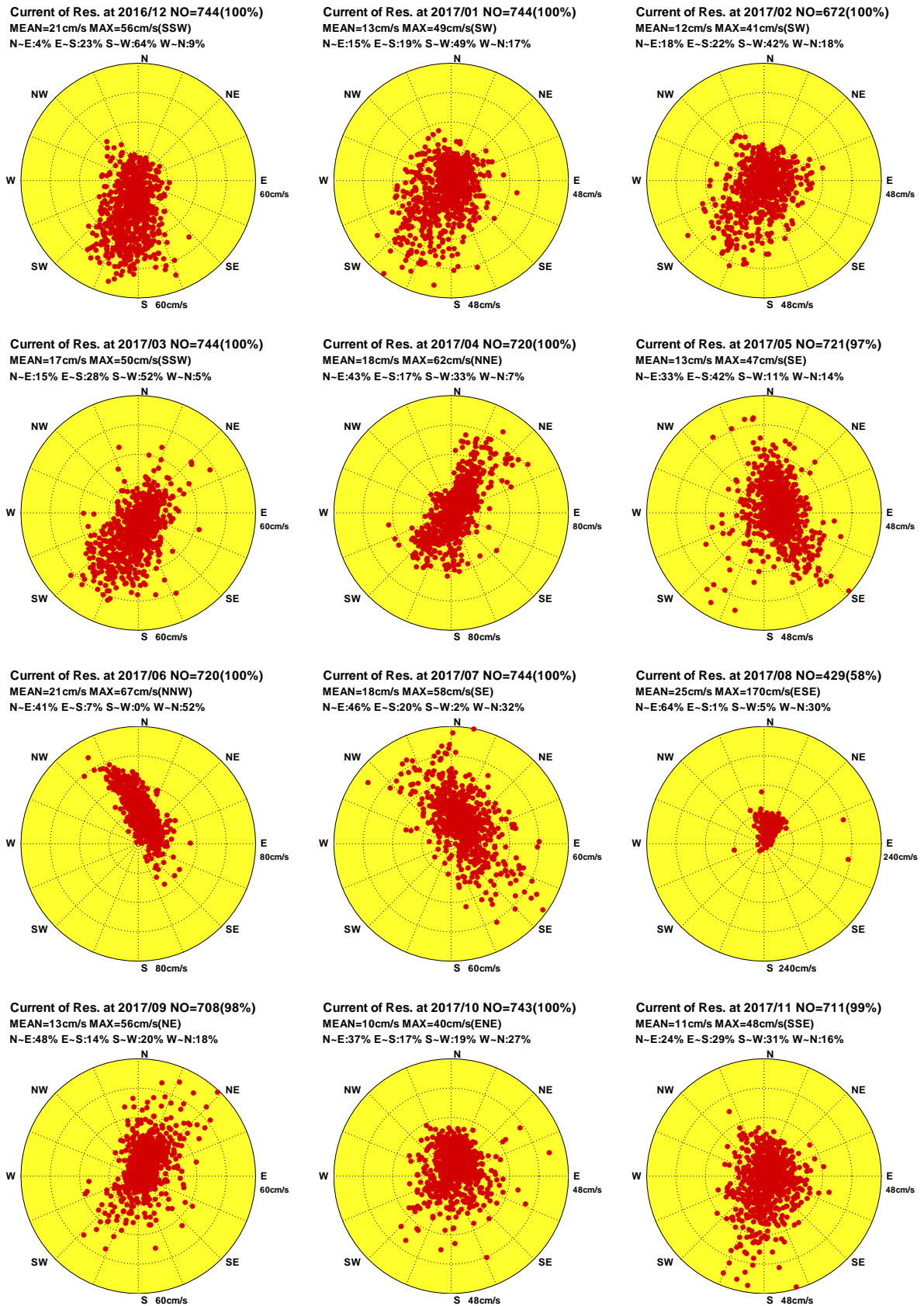


圖4.12e 2017年澎湖海域每月測站 A 計算殘流向量分佈圖

C16CPHA0.1HR C171PHA0.1HR C172PHA0.1HR C173PHA0.1HR C174PHA0.1HR C175PHA0.1HR
 C176PHA0.1HR C177PHA0.1HR C178PHA0.1HR C179PHA0.1HR C17APHA0.1HR C17BPHA0.1HR

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Progressive Vector Diagram of Current

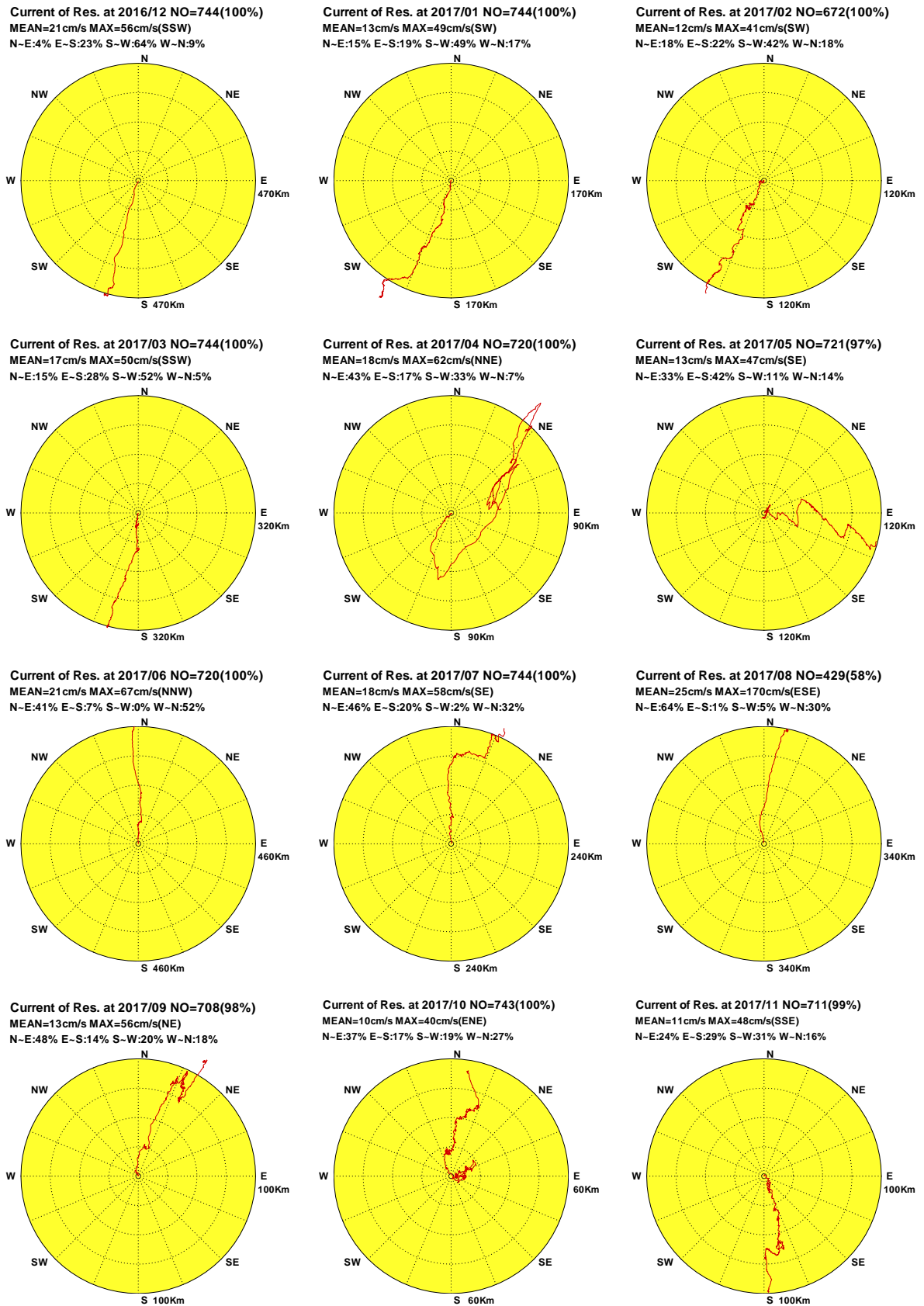


圖4.12f 2017年澎湖海域每月測站 A 計算殘流向量行進圖

C16CPHA0.1HR C171PHA0.1HR C172PHA0.1HR C173PHA0.1HR C174PHA0.1HR C175PHA0.1HR
C176PHA0.1HR C177PHA0.1HR C178PHA0.1HR C179PHA0.1HR C17APHA0.1HR C17BPHA0.1HR

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Distribution of Current Vectors

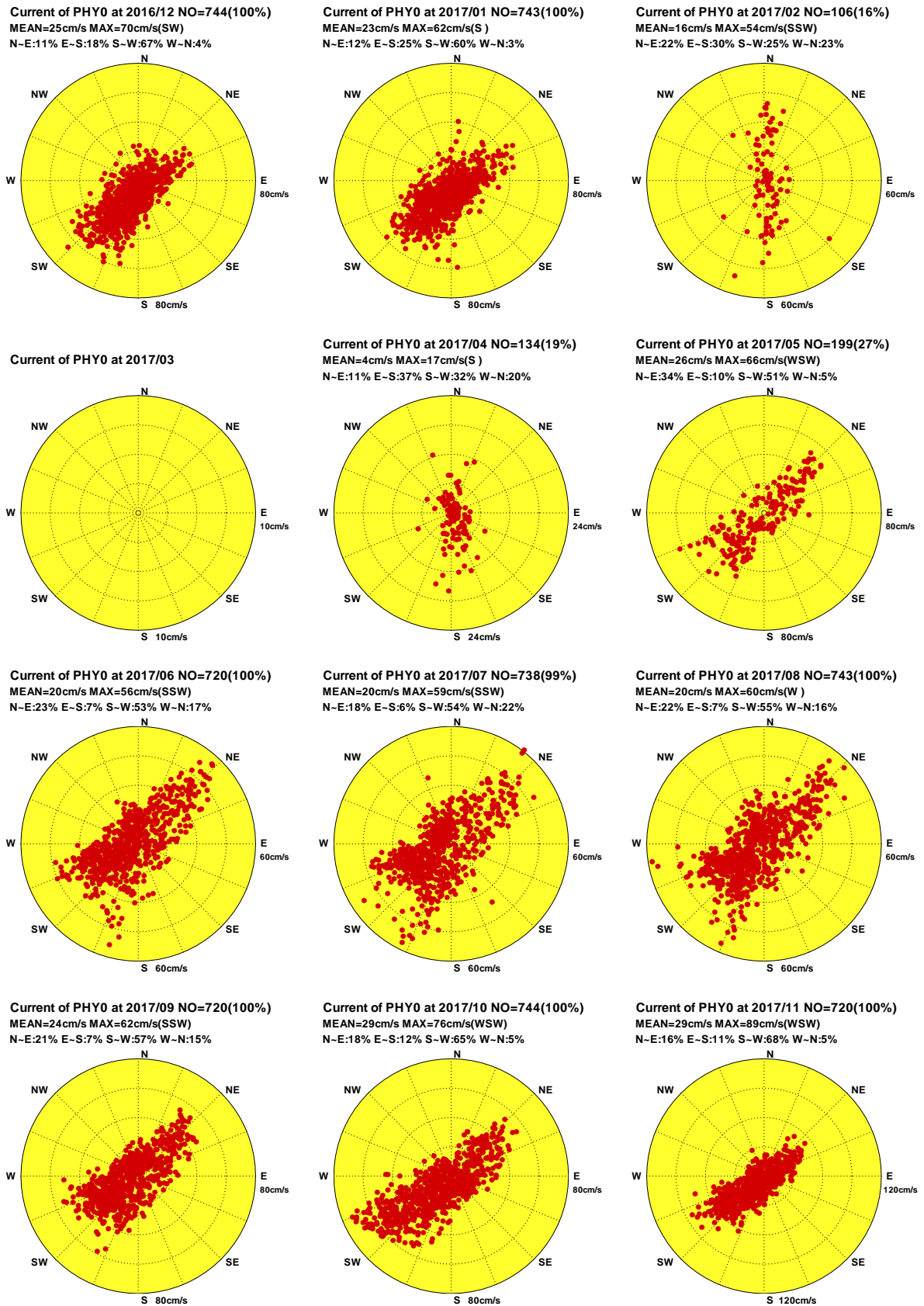


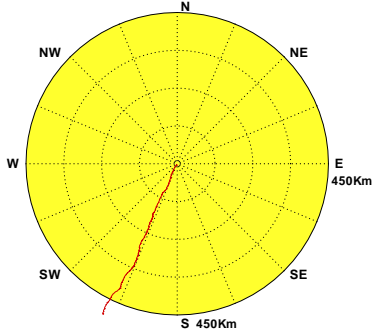
圖4.13a 2017年澎湖海域每月測站 Y 觀測海流向量分佈圖

C16CPHY0.1H0 C171PHY0.1H0 C172PHY0.1H0 C173PHY0.1H0 C174PHY0.1H0 C175PHY0.1H0
 C176PHY0.1H0 C177PHY0.1H0 C178PHY0.1H0 C179PHY0.1H0 C17APHY0.1H0 C17BPHY0.1H0

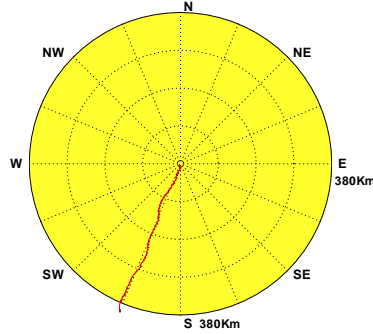
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Progressive Vector Diagram of Current

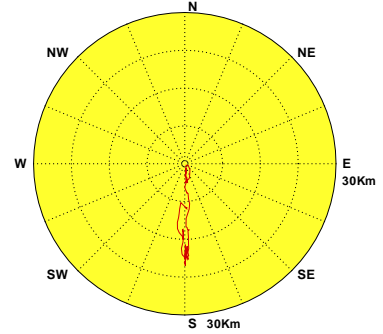
Current of PHY0 at 2016/12 NO=744(100%)
MEAN=25cm/s MAX=70cm/s(SW)
N-E:11% E-S:18% S-W:67% W-N:4%



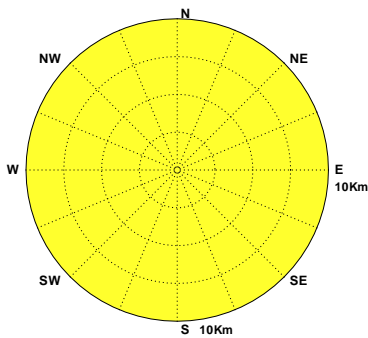
Current of PHY0 at 2017/01 NO=743(100%)
MEAN=23cm/s MAX=62cm/s(S)
N-E:12% E-S:25% S-W:60% W-N:3%



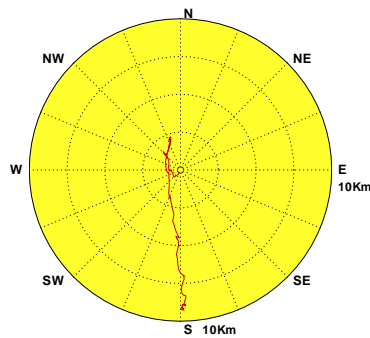
Current of PHY0 at 2017/02 NO=106(16%)
MEAN=16cm/s MAX=54cm/s(SSW)
N-E:22% E-S:30% S-W:25% W-N:23%



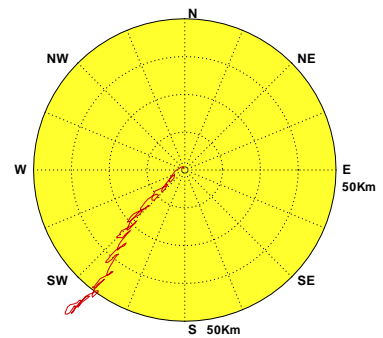
Current of PHY0 at 2017/03



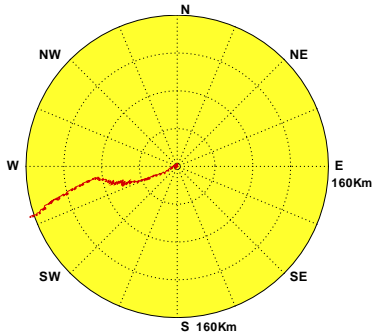
Current of PHY0 at 2017/04 NO=134(19%)
MEAN=4cm/s MAX=17cm/s(S)
N-E:11% E-S:37% S-W:32% W-N:20%



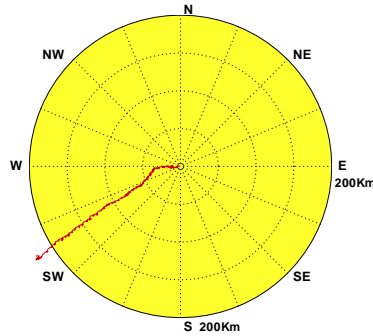
Current of PHY0 at 2017/05 NO=199(27%)
MEAN=26cm/s MAX=66cm/s(WSW)
N-E:34% E-S:10% S-W:51% W-N:5%



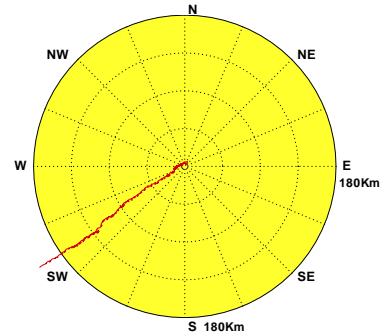
Current of PHY0 at 2017/06 NO=720(100%)
MEAN=20cm/s MAX=56cm/s(SSW)
N-E:23% E-S:7% S-W:53% W-N:17%



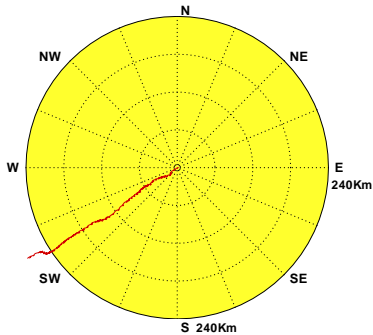
Current of PHY0 at 2017/07 NO=738(99%)
MEAN=20cm/s MAX=59cm/s(SSW)
N-E:18% E-S:6% S-W:54% W-N:22%



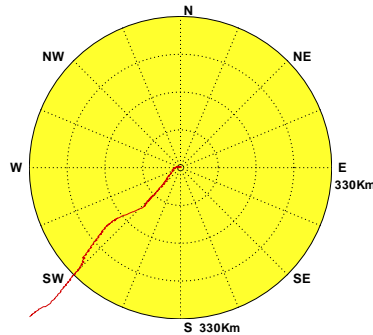
Current of PHY0 at 2017/08 NO=743(100%)
MEAN=20cm/s MAX=60cm/s(W)
N-E:22% E-S:7% S-W:55% W-N:16%



Current of PHY0 at 2017/09 NO=720(100%)
MEAN=24cm/s MAX=62cm/s(SSW)
N-E:21% E-S:7% S-W:57% W-N:15%



Current of PHY0 at 2017/10 NO=744(100%)
MEAN=29cm/s MAX=76cm/s(WSW)
N-E:18% E-S:12% S-W:65% W-N:5%



Current of PHY0 at 2017/11 NO=720(100%)
MEAN=29cm/s MAX=89cm/s(WSW)
N-E:16% E-S:11% S-W:68% W-N:5%

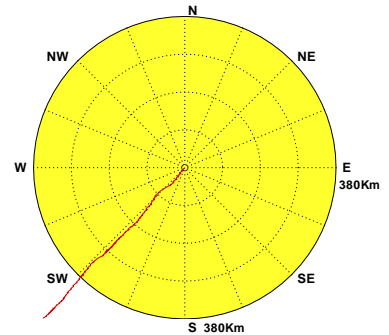


圖4.13b 2017年澎湖海域每月測站 Y 觀測海流向量行進圖

C16CPHY0.1H0 C171PHY0.1H0 C172PHY0.1H0 C173PHY0.1H0 C174PHY0.1H0 C175PHY0.1H0
C176PHY0.1H0 C177PHY0.1H0 C178PHY0.1H0 C179PHY0.1H0 C17APHY0.1H0 C17BPHY0.1H0

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Distribution of Current Vectors

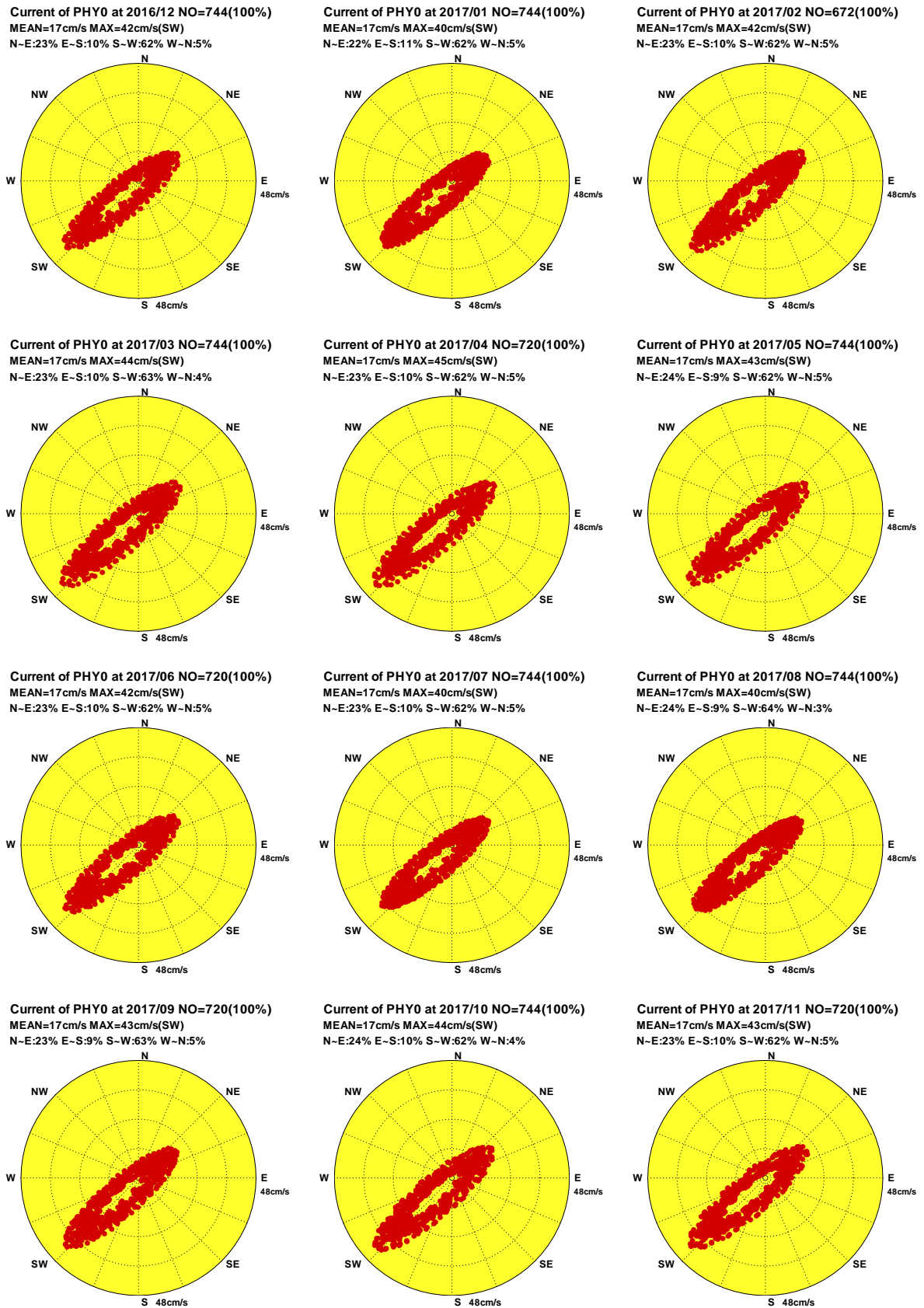


圖4.13c 2017年澎湖海域每月測站 Y 計算潮流向量分佈圖

C16CPHY0.1HD C171PHY0.1HD C172PHY0.1HD C173PHY0.1HD C174PHY0.1HD C175PHY0.1HD
 C176PHY0.1HD C177PHY0.1HD C178PHY0.1HD C179PHY0.1HD C17APHY0.1HD C17BPHY0.1HD

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Progressive Vector Diagram of Current

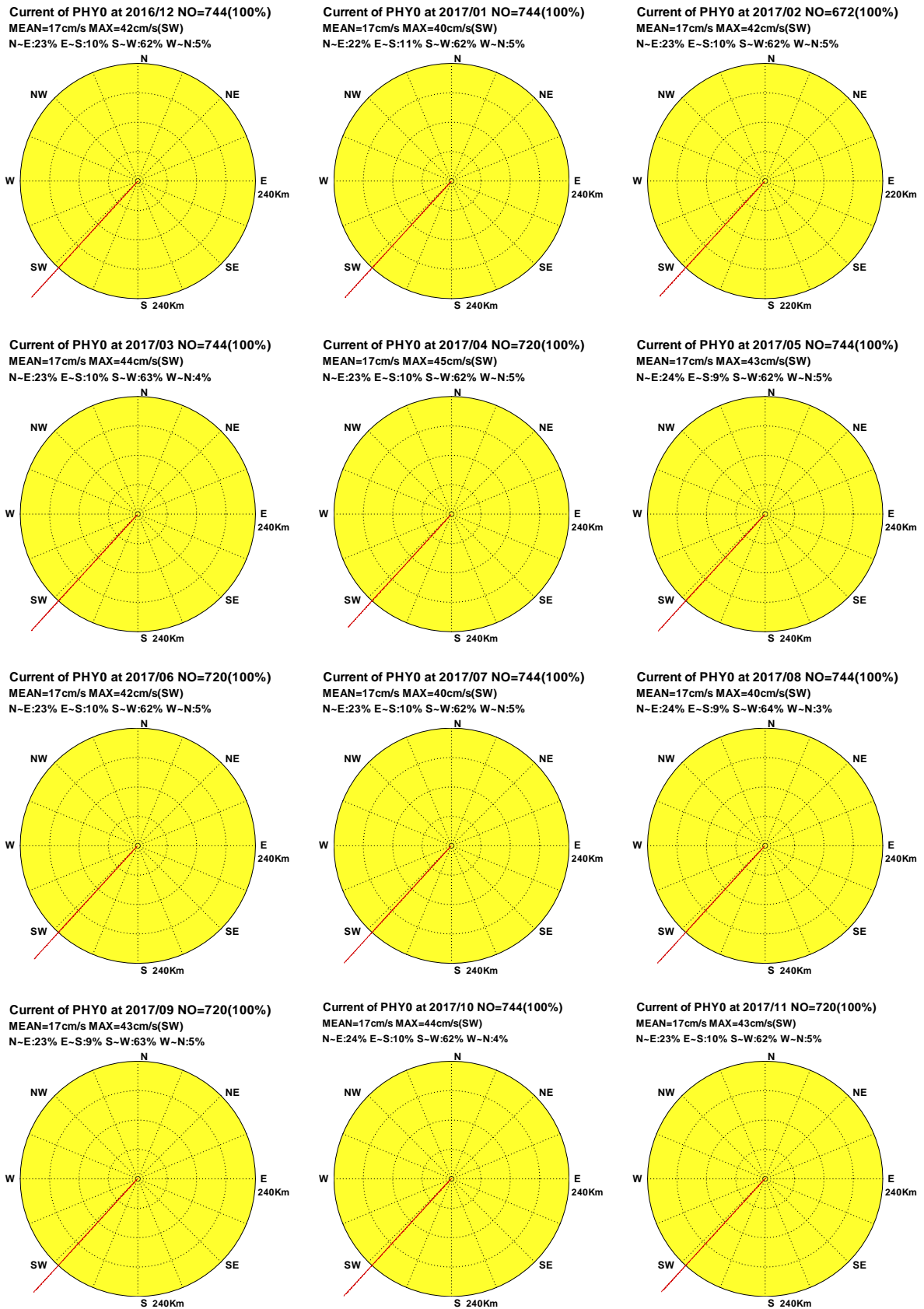


圖4.13d 2017年澎湖海域每月測站 Y 計算潮流向量行進圖

C16CPHY0.1HD C171PHY0.1HD C172PHY0.1HD C173PHY0.1HD C174PHY0.1HD C175PHY0.1HD
 C176PHY0.1HD C177PHY0.1HD C178PHY0.1HD C179PHY0.1HD C17APHY0.1HD C17BPHY0.1HD

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Distribution of Current Vectors

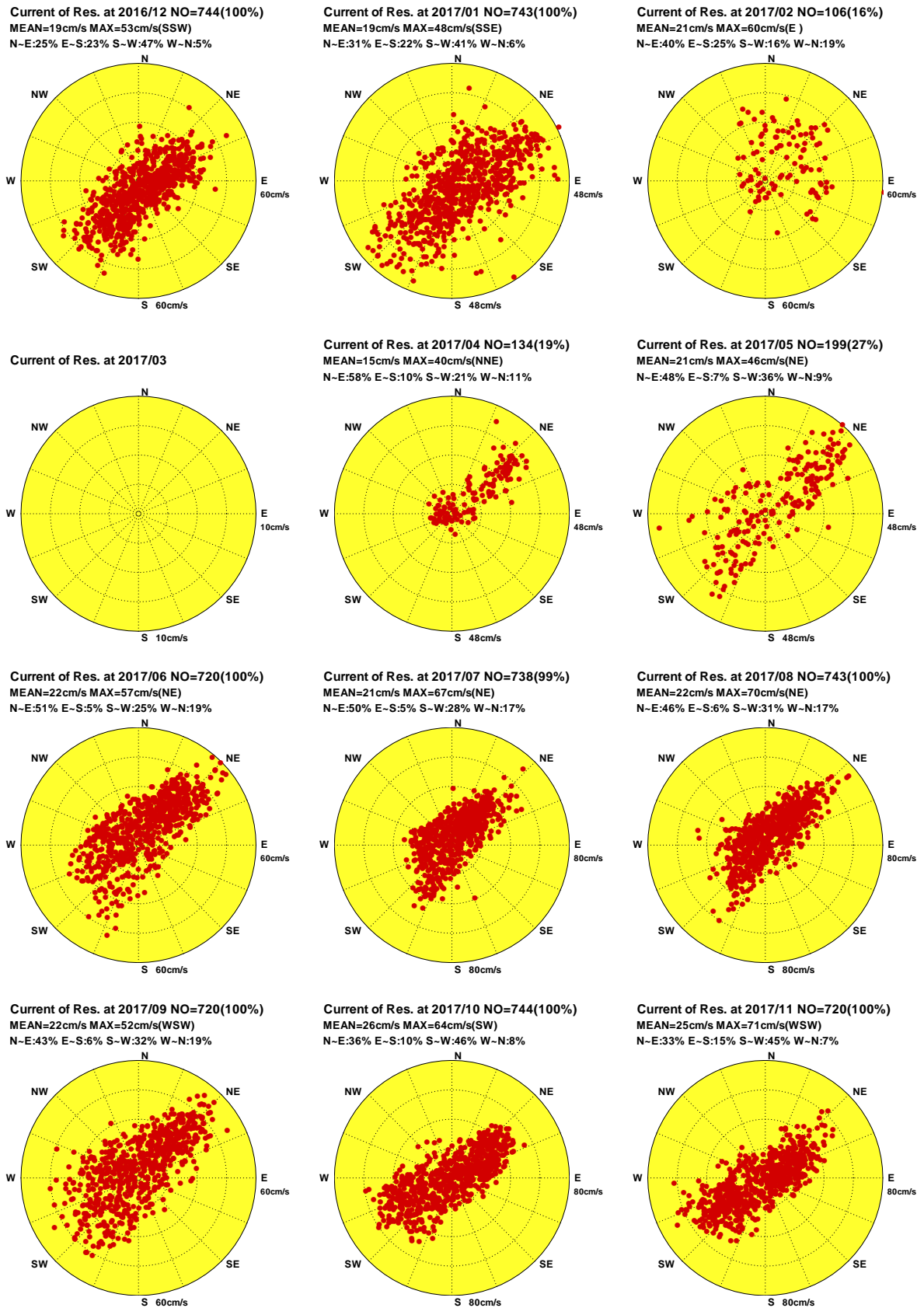


圖4.13e 2017年澎湖海域每月測站 Y 計算殘流向量分佈圖

C16CPHY0.1HR C171PHY0.1HR C172PHY0.1HR C173PHY0.1HR C174PHY0.1HR C175PHY0.1HR
 C176PHY0.1HR C177PHY0.1HR C178PHY0.1HR C179PHY0.1HR C17APHY0.1HR C17BPHY0.1HR

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Progressive Vector Diagram of Current

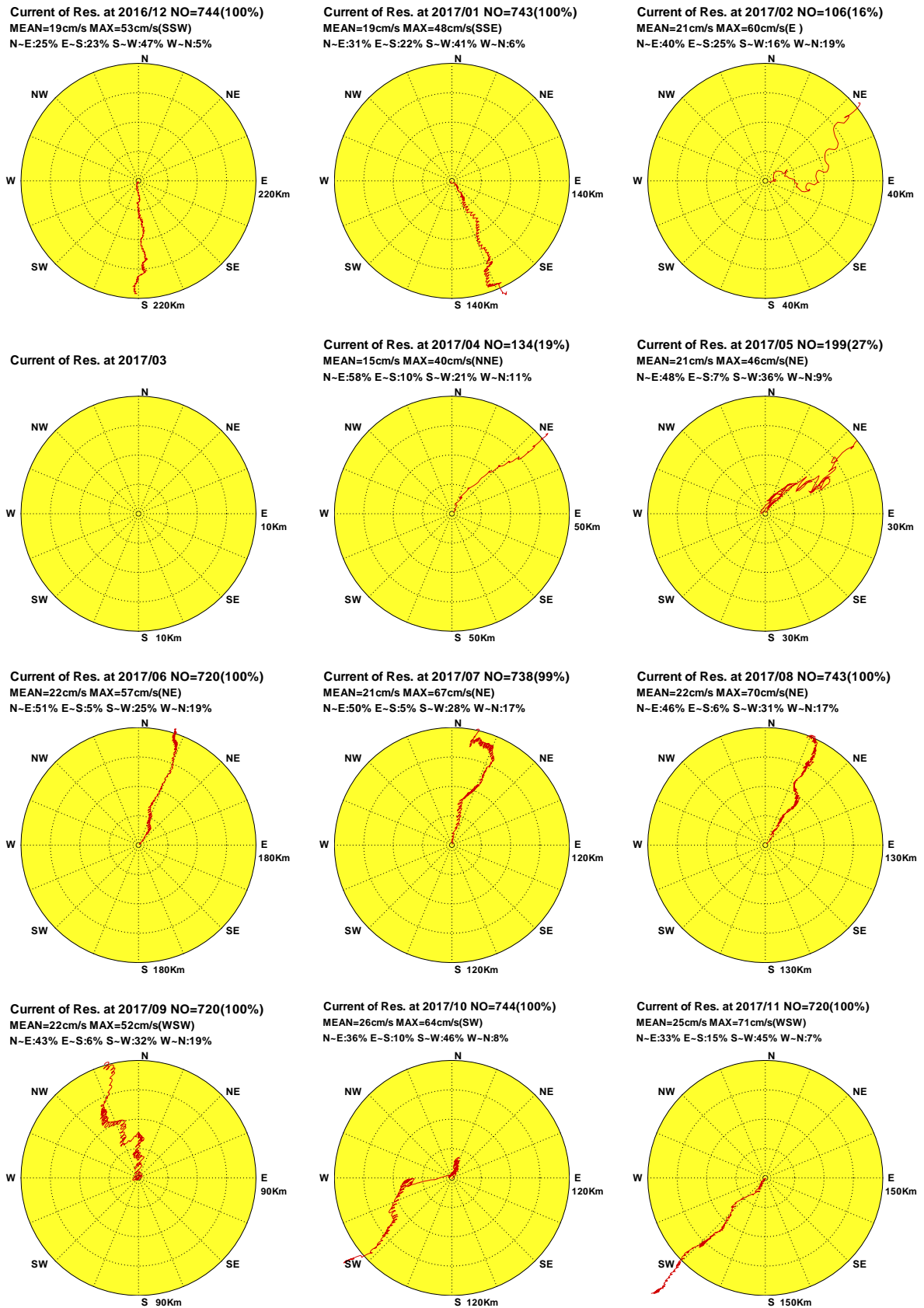


圖4.13f 2017年澎湖海域每月測站 Y 計算殘流向量行進圖

C16CPHY0.1HR C171PHY0.1HR C172PHY0.1HR C173PHY0.1HR C174PHY0.1HR C175PHY0.1HR
 C176PHY0.1HR C177PHY0.1HR C178PHY0.1HR C179PHY0.1HR C17APHY0.1HR C17BPHY0.1HR

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Distribution of Current Vectors

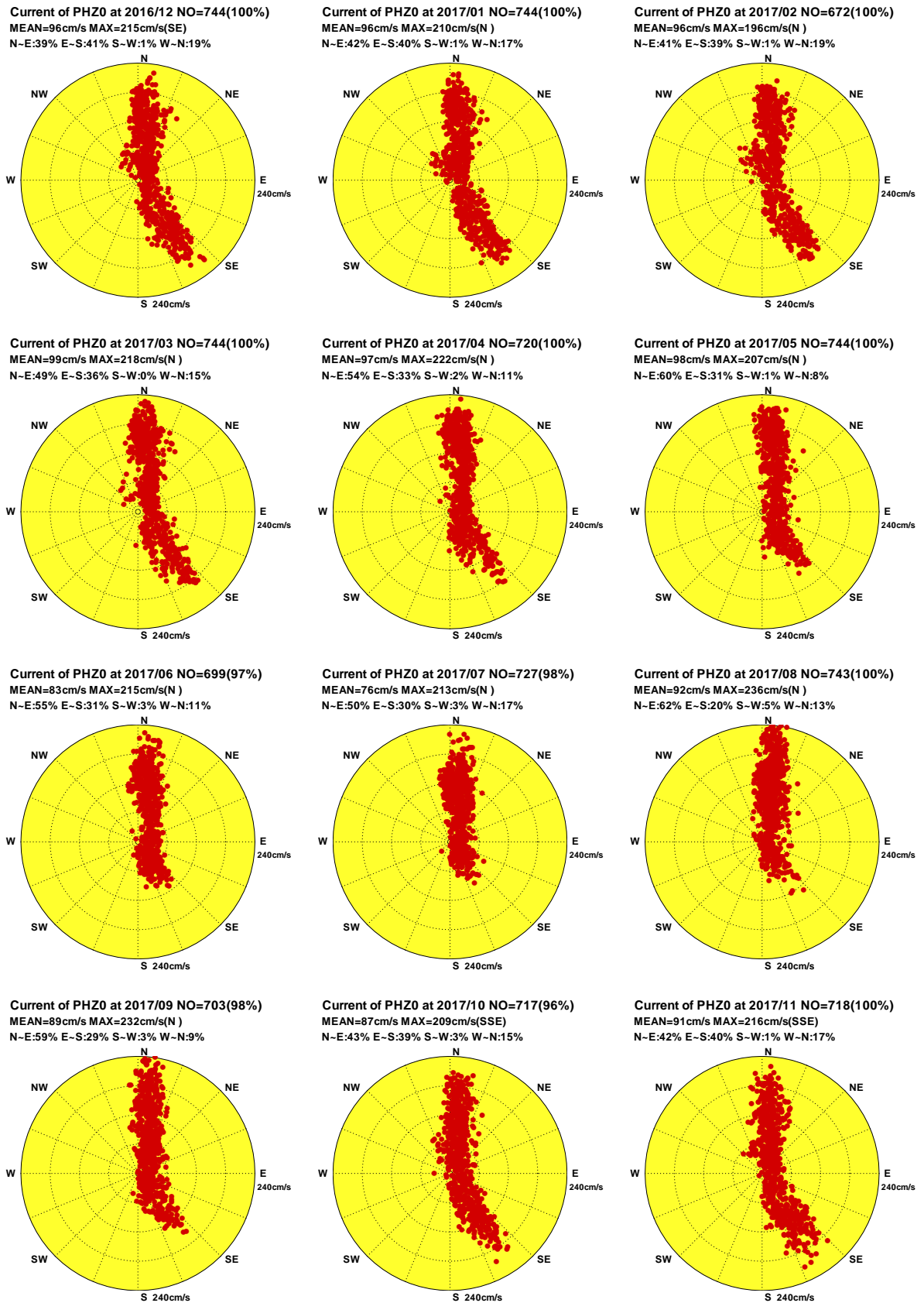


圖4.14a 2017年澎湖海域每月測站 Z 觀測海流向量分佈圖

C16CPHZ0.1H0 C171PHZ0.1H0 C172PHZ0.1H0 C173PHZ0.1H0 C174PHZ0.1H0 C175PHZ0.1H0
 C176PHZ0.1H0 C177PHZ0.1H0 C178PHZ0.1H0 C179PHZ0.1H0 C17APHZ0.1H0 C17BPHZ0.1H0

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Progressive Vector Diagram of Current

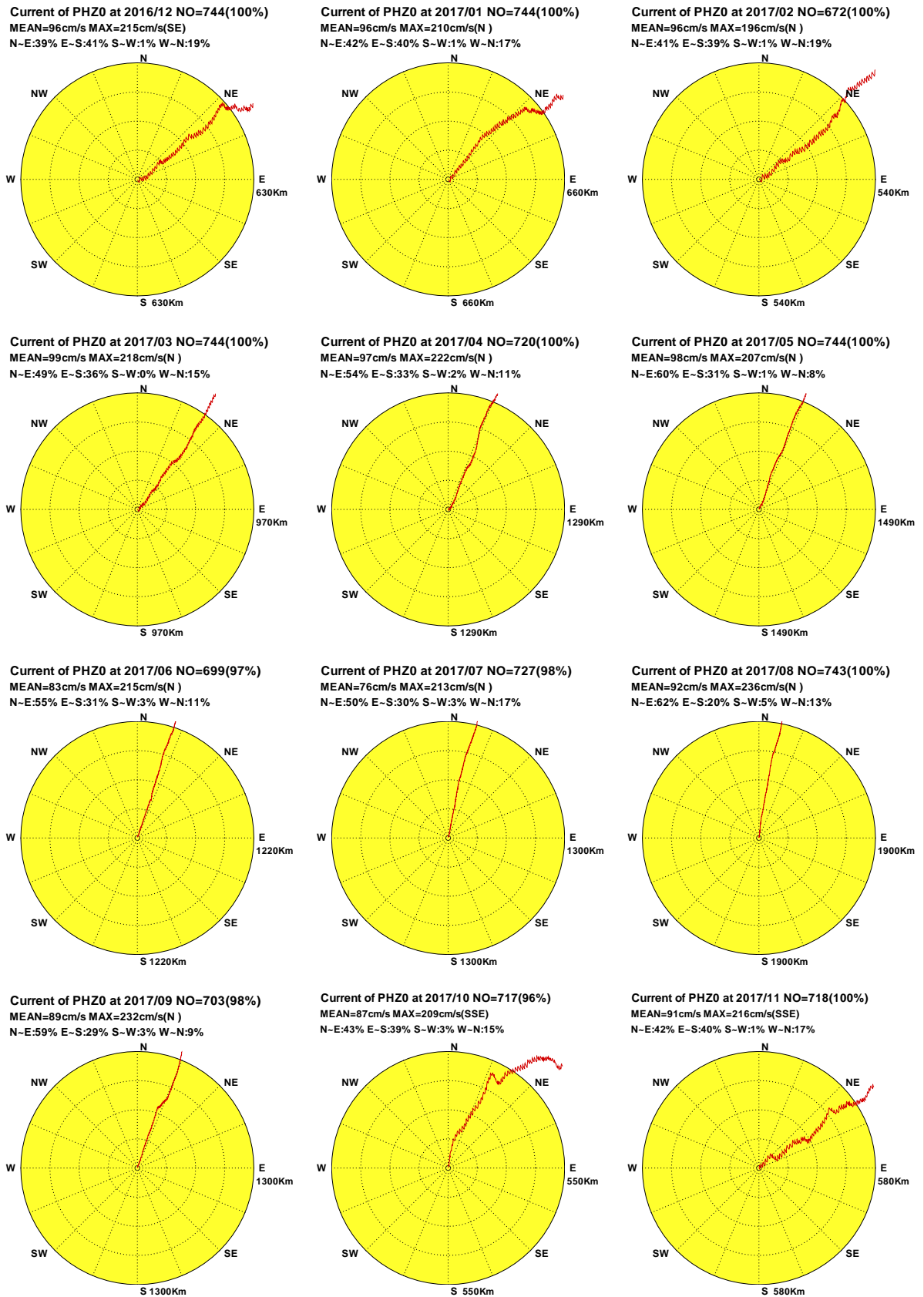


圖4.14b 2017年澎湖海域每月測站 Z 觀測海流向量行進圖

C16CPHZ0.1H0 C171PHZ0.1H0 C172PHZ0.1H0 C173PHZ0.1H0 C174PHZ0.1H0 C175PHZ0.1H0
 C176PHZ0.1H0 C177PHZ0.1H0 C178PHZ0.1H0 C179PHZ0.1H0 C17APHZ0.1H0 C17BPHZ0.1H0

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Distribution of Current Vectors

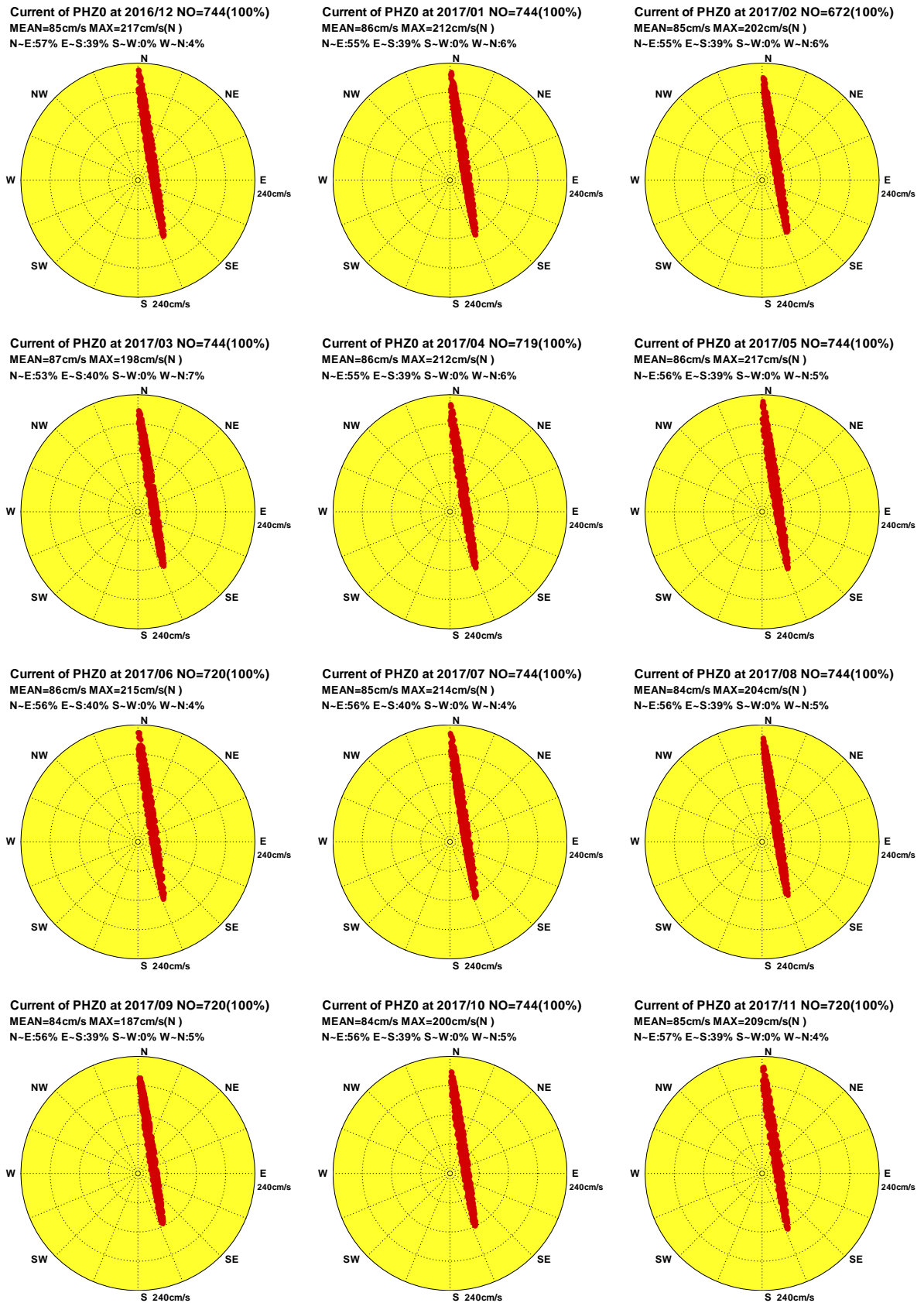


圖4.14c 2017年澎湖海域每月測站 Z 計算潮流向量分佈圖

C16CPHZ0.1HD C171PHZ0.1HD C172PHZ0.1HD C173PHZ0.1HD C174PHZ0.1HD C175PHZ0.1HD
 C176PHZ0.1HD C177PHZ0.1HD C178PHZ0.1HD C179PHZ0.1HD C17APHZ0.1HD C17BPHZ0.1HD

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Progressive Vector Diagram of Current

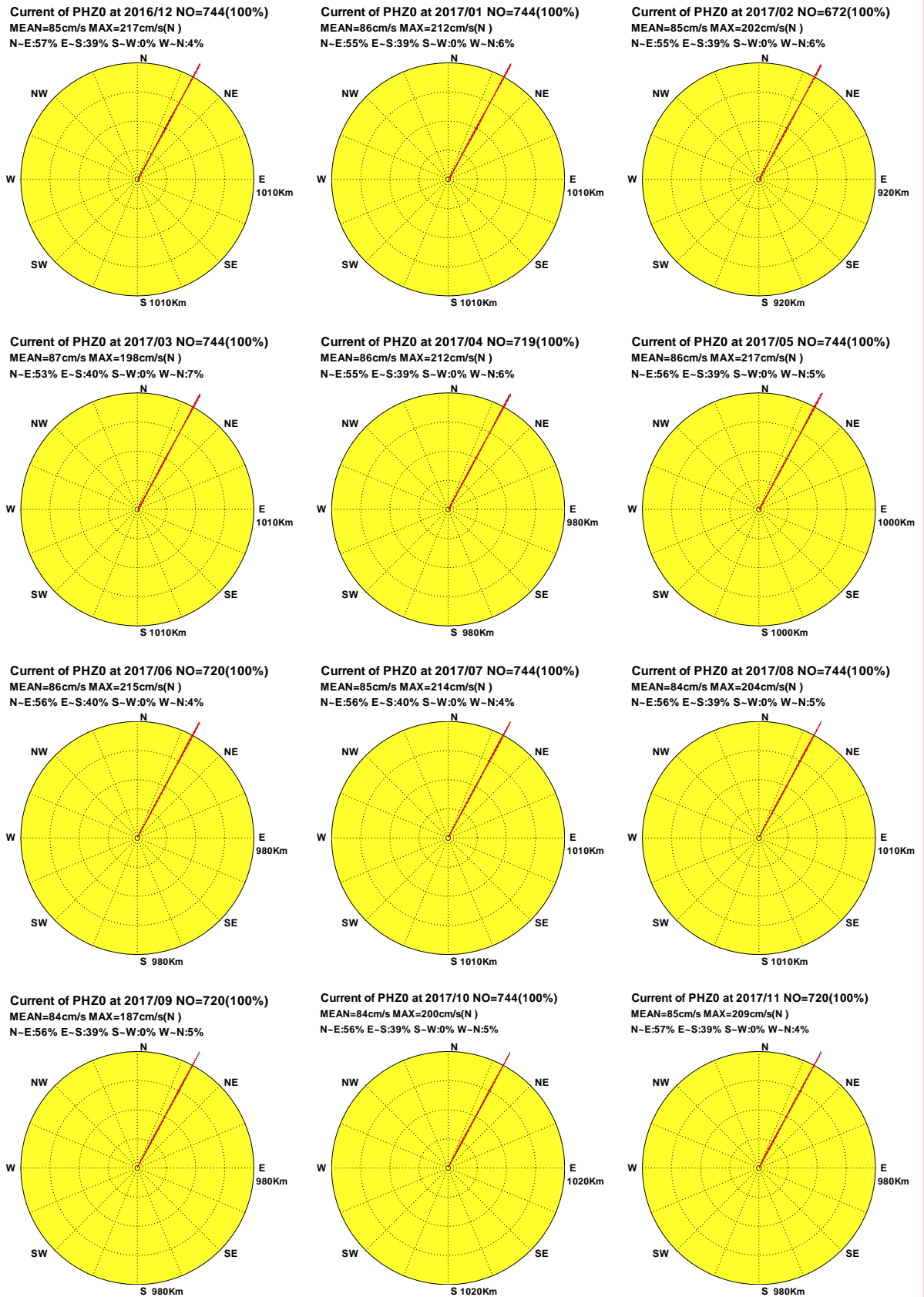


圖4.14d 2017年澎湖海域每月測站 Z 計算潮流向量行進圖

C16CPHZ0.1HD C171PHZ0.1HD C172PHZ0.1HD C173PHZ0.1HD C174PHZ0.1HD C175PHZ0.1HD
 C176PHZ0.1HD C177PHZ0.1HD C178PHZ0.1HD C179PHZ0.1HD C17APHZ0.1HD C17BPHZ0.1HD

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Distribution of Current Vectors

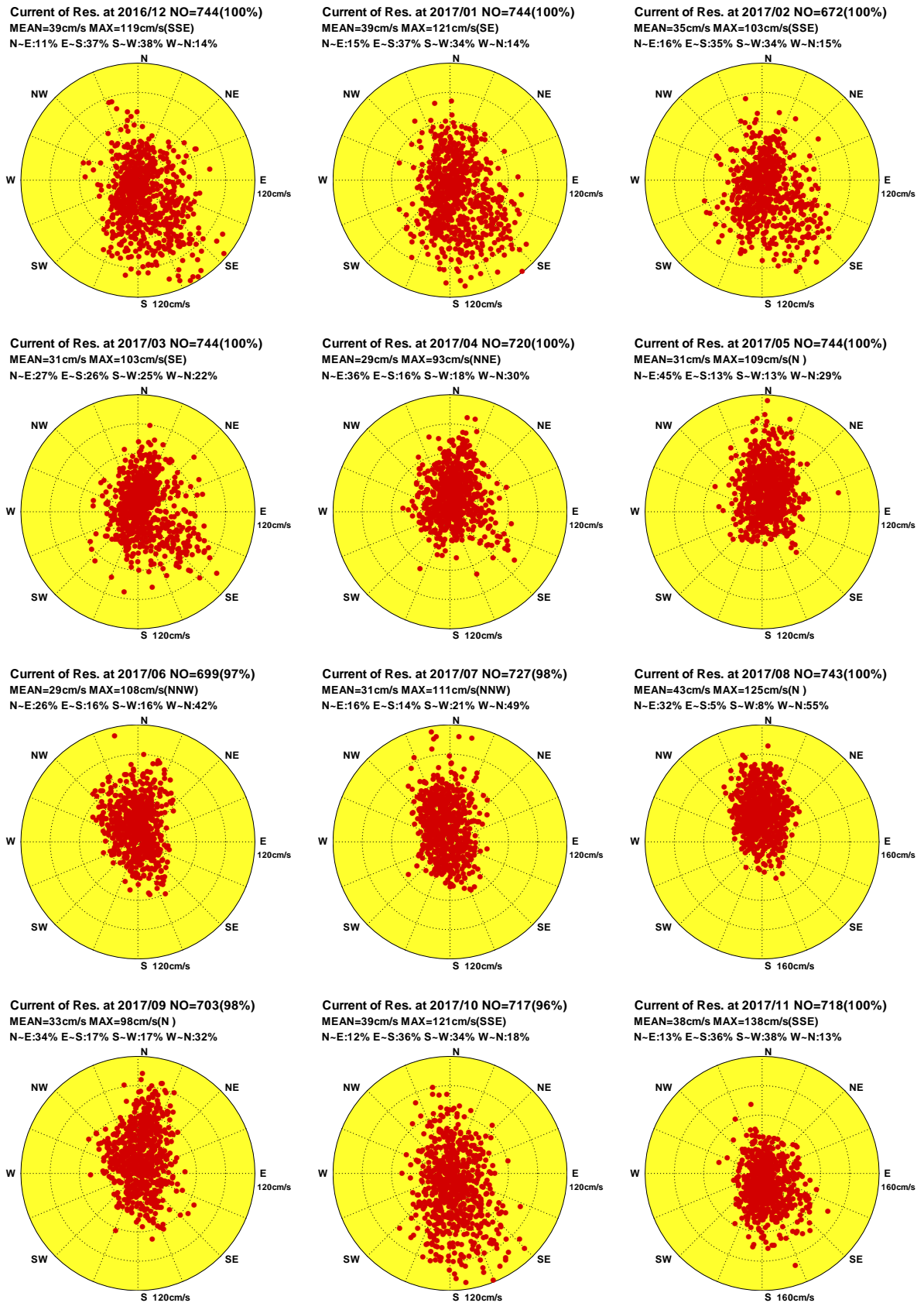


圖4.14e 2017年澎湖海域每月測站 Z 計算殘流向量分佈圖

C16CPHZ0.1HR C171PHZ0.1HR C172PHZ0.1HR C173PHZ0.1HR C174PHZ0.1HR C175PHZ0.1HR
 C176PHZ0.1HR C177PHZ0.1HR C178PHZ0.1HR C179PHZ0.1HR C17APHZ0.1HR C17BPHZ0.1HR

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Progressive Vector Diagram of Current

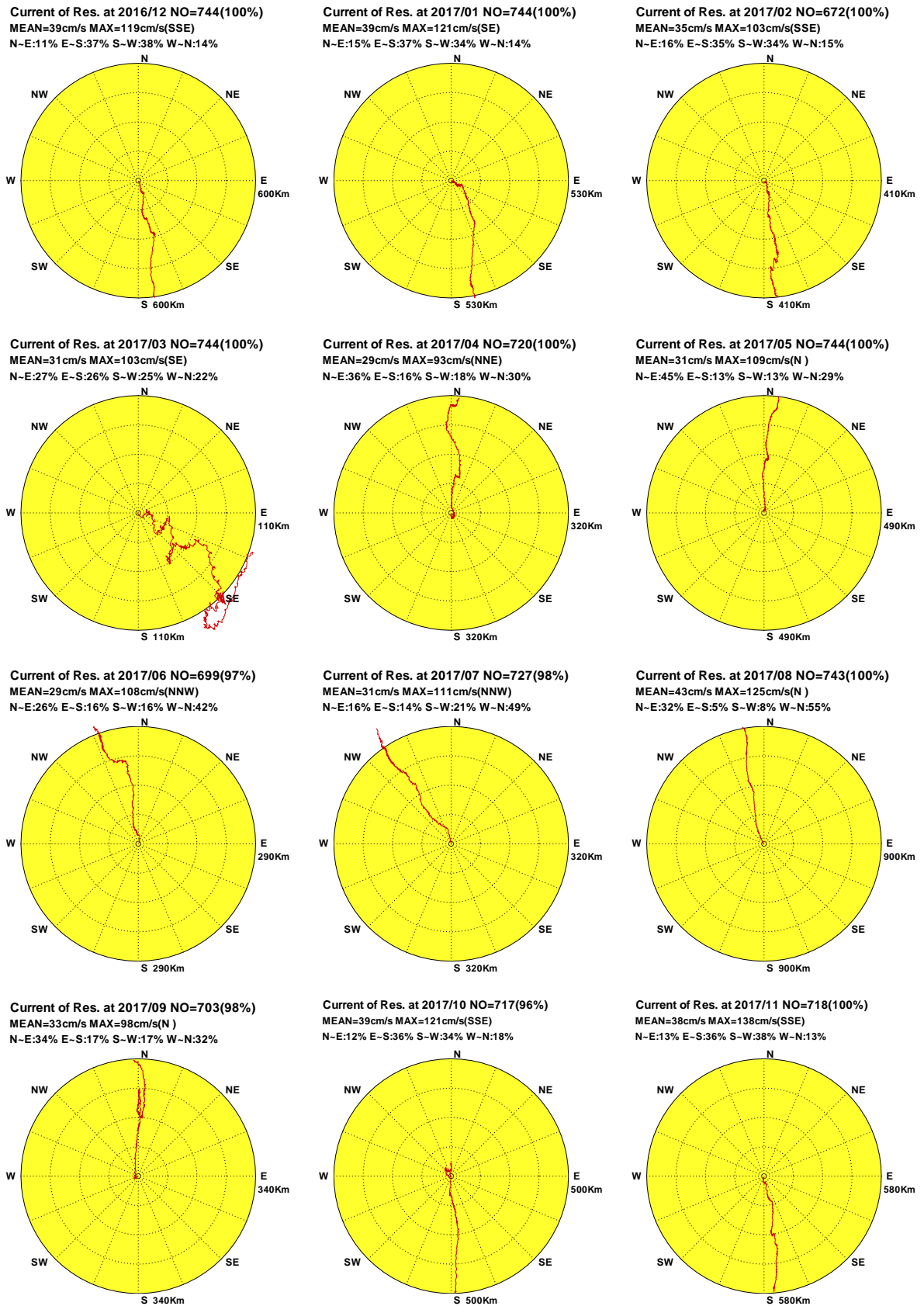


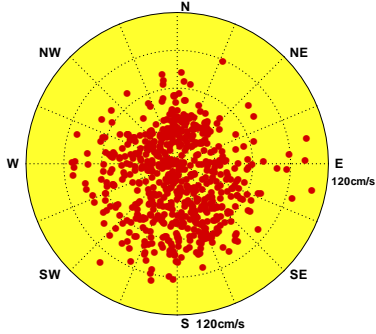
圖4.14f 2017年澎湖海域每月測站 Z 計算殘流向量行進圖

C16CPHZ0.1HR C171PHZ0.1HR C172PHZ0.1HR C173PHZ0.1HR C174PHZ0.1HR C175PHZ0.1HR
C176PHZ0.1HR C177PHZ0.1HR C178PHZ0.1HR C179PHZ0.1HR C17APHZ0.1HR C17BPHZ0.1HR

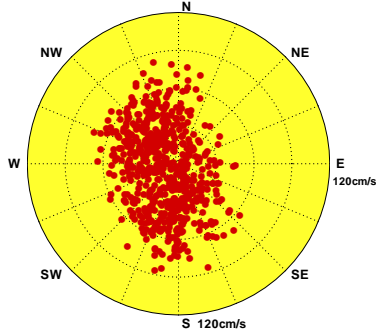
Institute of Harbor & Marine Technology

Distribution of Current Vectors

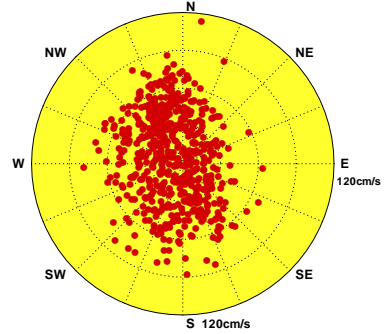
Current of PHR0 at 2016/12 NO=633(85%)
 MEAN=43cm/s MAX=106cm/s(ESE)
 N-E:13% E-S:30% S-W:37% W-N:20%



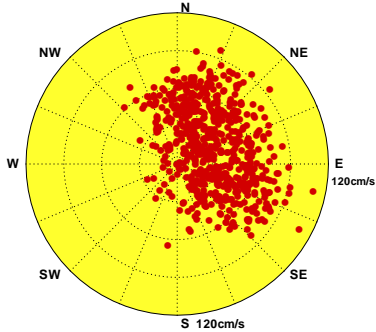
Current of PHR0 at 2017/01 NO=634(85%)
 MEAN=39cm/s MAX=92cm/s(SSW)
 N-E:6% E-S:17% S-W:42% W-N:35%



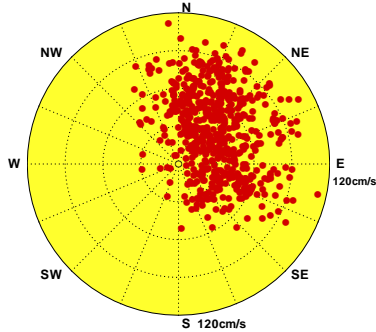
Current of PHR0 at 2017/02 NO=558(83%)
 MEAN=40cm/s MAX=109cm/s(N)
 N-E:13% E-S:19% S-W:30% W-N:38%



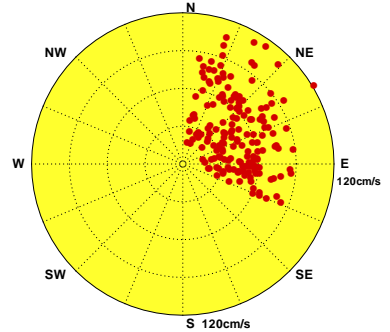
Current of PHR0 at 2017/03 NO=638(86%)
 MEAN=44cm/s MAX=109cm/s(ESE)
 N-E:47% E-S:38% S-W:3% W-N:12%



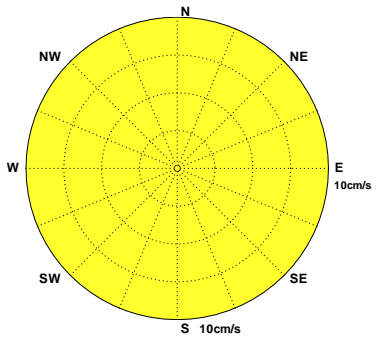
Current of PHR0 at 2017/04 NO=590(82%)
 MEAN=49cm/s MAX=111cm/s(ESE)
 N-E:61% E-S:27% S-W:1% W-N:11%



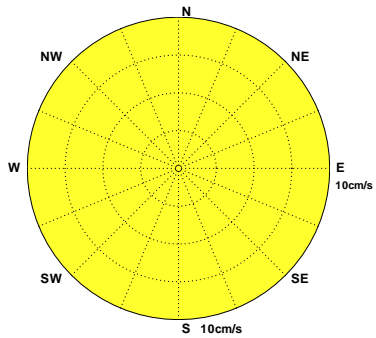
Current of PHR0 at 2017/05 NO=176(24%)
 MEAN=52cm/s MAX=116cm/s(ENE)
 N-E:69% E-S:31% S-W:0% W-N:0%



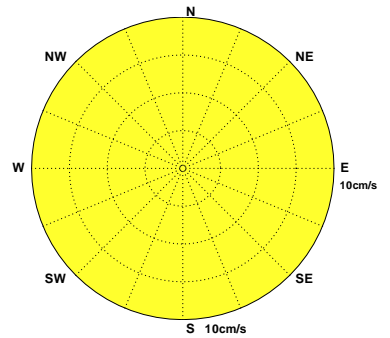
Current of PHR0 at 2017/06



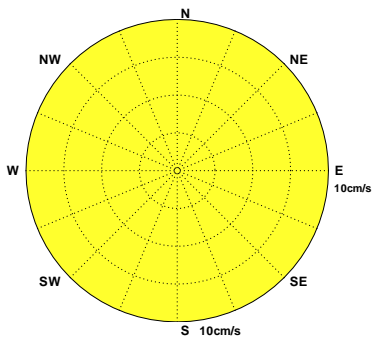
Current of PHR0 at 2017/07



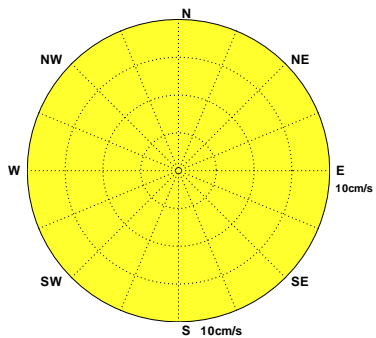
Current of PHR0 at 2017/08



Current of PHR0 at 2017/09



Current of PHR0 at 2017/10



Current of PHR0 at 2017/11

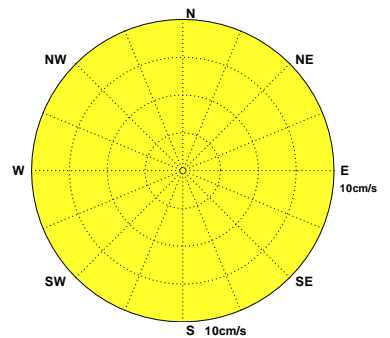


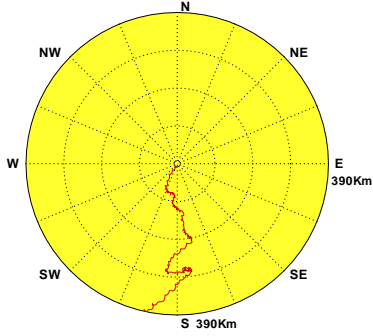
圖4.15a 2017年澎湖海域每月測站 R 觀測海流向量分佈圖

C16CPHR0.1H0 C171PHR0.1H0 C172PHR0.1H0 C173PHR0.1H0 C174PHR0.1H0 C175PHR0.1H0
 C176PHR0.1H0 C177PHR0.1H0 C178PHR0.1H0 C179PHR0.1H0 C17APHR0.1H0 C17BPHR0.1H0

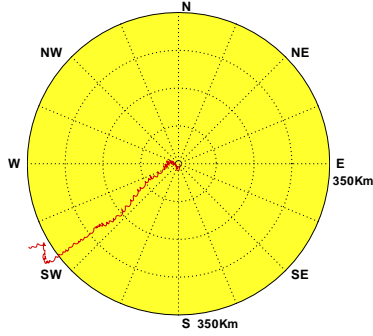
Institute of Harbor & Marine Technology

Progressive Vector Diagram of Current

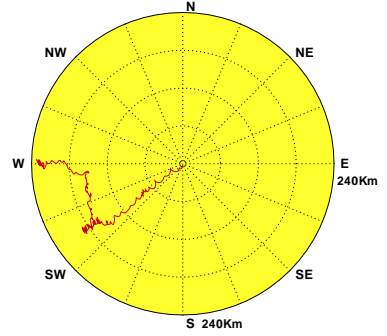
Current of PHR0 at 2016/12 NO=633(85%)
 MEAN=43cm/s MAX=106cm/s(ESE)
 N-E:13% E-S:30% S-W:37% W-N:20%



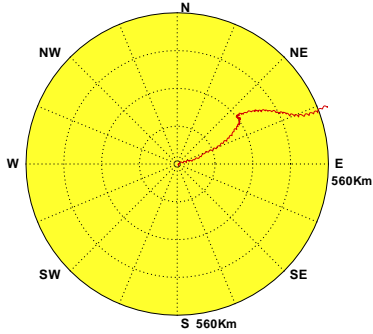
Current of PHR0 at 2017/01 NO=634(85%)
 MEAN=39cm/s MAX=92cm/s(SSW)
 N-E:6% E-S:17% S-W:42% W-N:35%



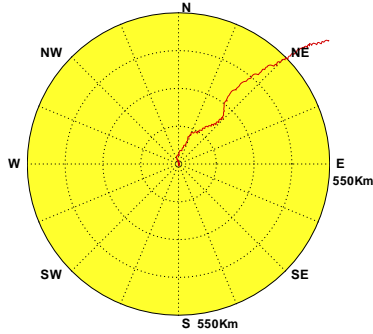
Current of PHR0 at 2017/02 NO=558(83%)
 MEAN=40cm/s MAX=109cm/s(N)
 N-E:13% E-S:19% S-W:30% W-N:38%



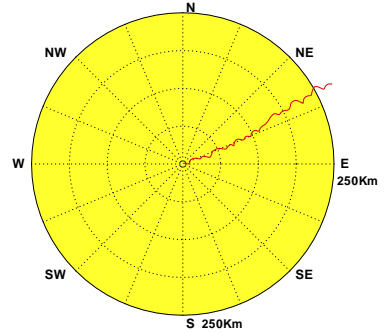
Current of PHR0 at 2017/03 NO=638(86%)
 MEAN=44cm/s MAX=109cm/s(ESE)
 N-E:47% E-S:38% S-W:3% W-N:12%



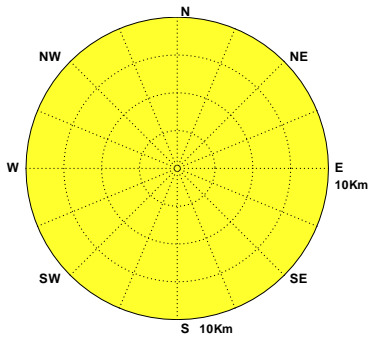
Current of PHR0 at 2017/04 NO=590(82%)
 MEAN=49cm/s MAX=111cm/s(ESE)
 N-E:61% E-S:27% S-W:1% W-N:11%



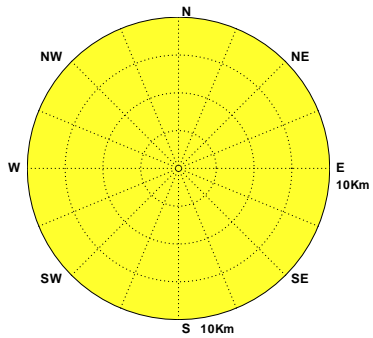
Current of PHR0 at 2017/05 NO=176(24%)
 MEAN=52cm/s MAX=116cm/s(ENE)
 N-E:69% E-S:31% S-W:0% W-N:0%



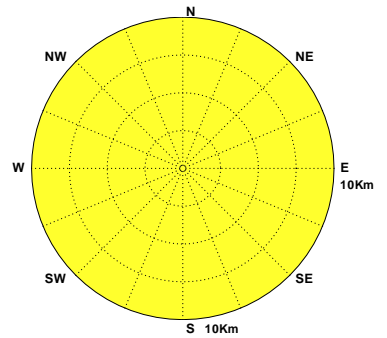
Current of PHR0 at 2017/06



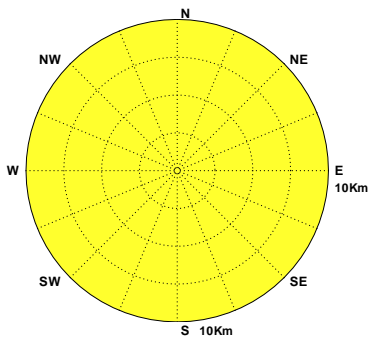
Current of PHR0 at 2017/07



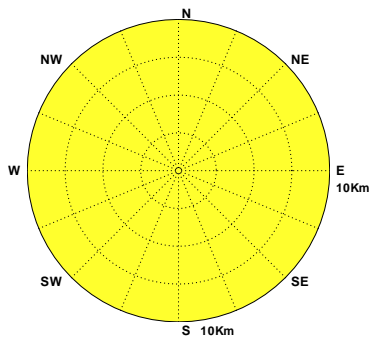
Current of PHR0 at 2017/08



Current of PHR0 at 2017/09



Current of PHR0 at 2017/10



Current of PHR0 at 2017/11

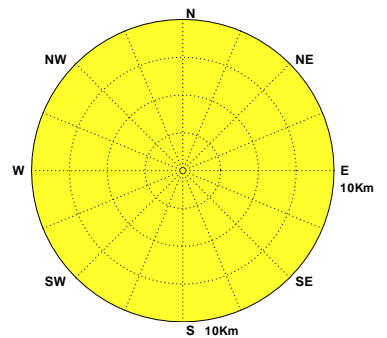


圖4.15b 2017年澎湖海域每月測站 R 觀測海流向量行進圖

C16CPHR0.1H0 C171PHR0.1H0 C172PHR0.1H0 C173PHR0.1H0 C174PHR0.1H0 C175PHR0.1H0
 C176PHR0.1H0 C177PHR0.1H0 C178PHR0.1H0 C179PHR0.1H0 C17APHR0.1H0 C17BPHR0.1H0

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Distribution of Current Vectors

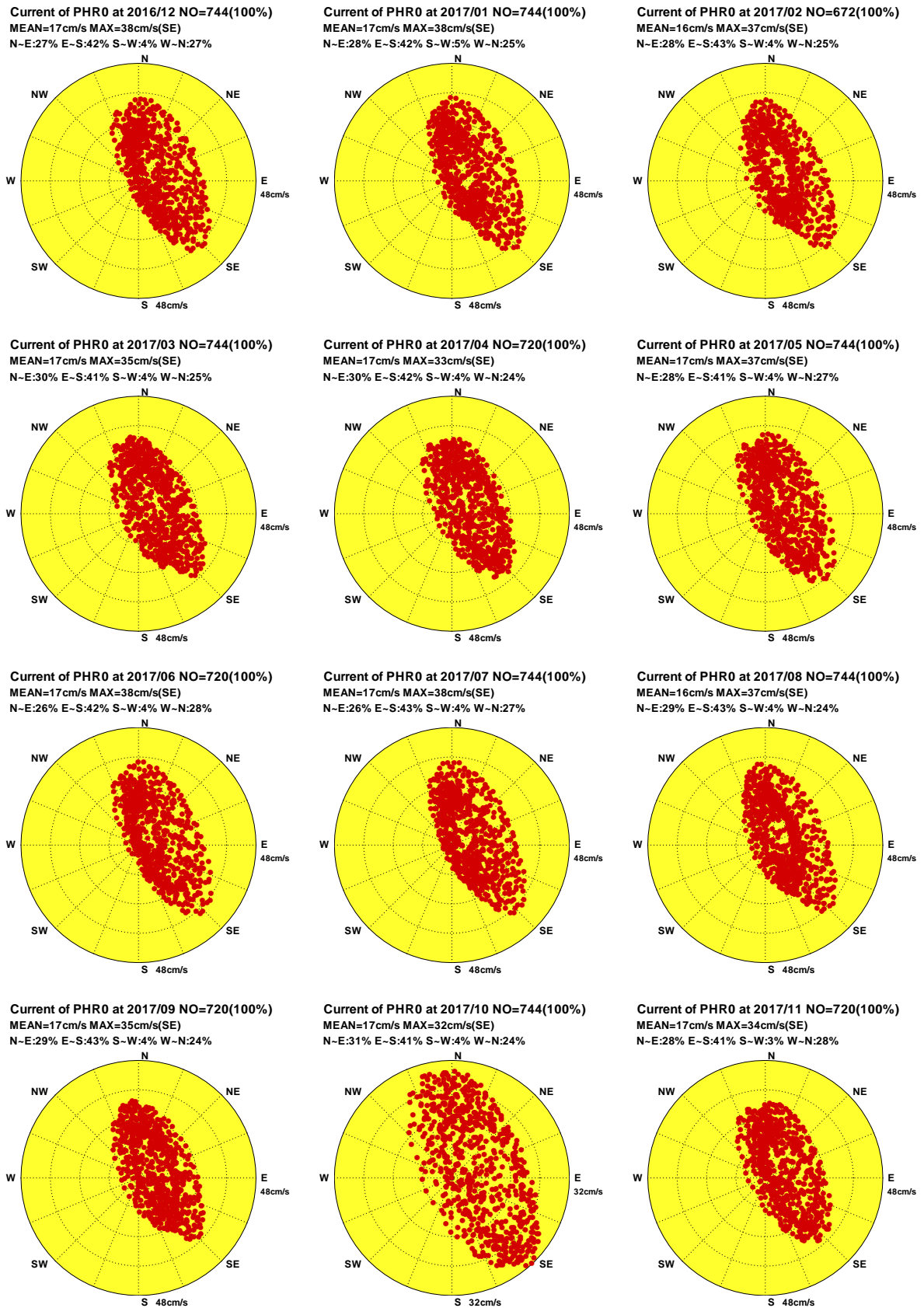


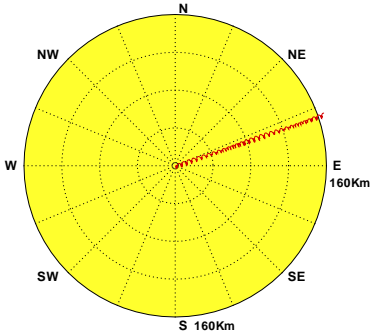
圖4.15c 2017年澎湖海域每月測站 R 計算潮流向量分佈圖

C16CPHR0.1HD C171PHR0.1HD C172PHR0.1HD C173PHR0.1HD C174PHR0.1HD C175PHR0.1HD
 C176PHR0.1HD C177PHR0.1HD C178PHR0.1HD C179PHR0.1HD C17APHR0.1HD C17BPHR0.1HD

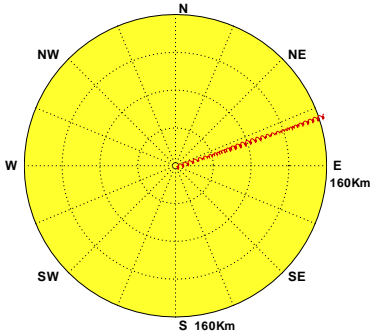
Institute of Harbor & Marine Technology

Progressive Vector Diagram of Current

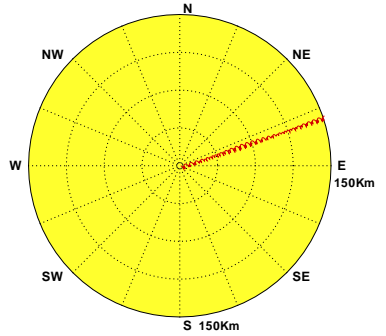
Current of PHR0 at 2016/12 NO=744(100%)
MEAN=17cm/s MAX=38cm/s(SE)
N-E:27% E-S:42% S-W:4% W-N:27%



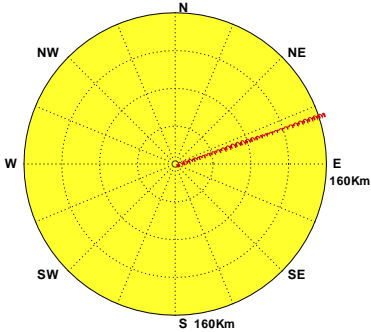
Current of PHR0 at 2017/01 NO=744(100%)
MEAN=17cm/s MAX=38cm/s(SE)
N-E:28% E-S:42% S-W:5% W-N:25%



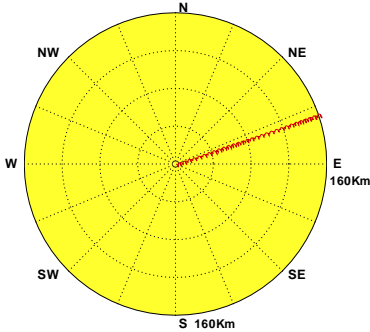
Current of PHR0 at 2017/02 NO=672(100%)
MEAN=16cm/s MAX=37cm/s(SE)
N-E:28% E-S:43% S-W:4% W-N:25%



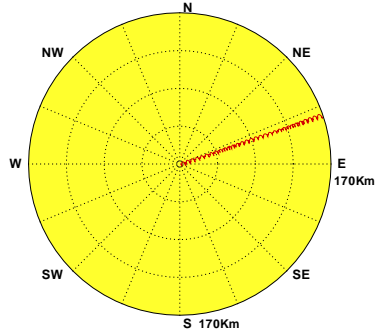
Current of PHR0 at 2017/03 NO=744(100%)
MEAN=17cm/s MAX=35cm/s(SE)
N-E:30% E-S:41% S-W:4% W-N:25%



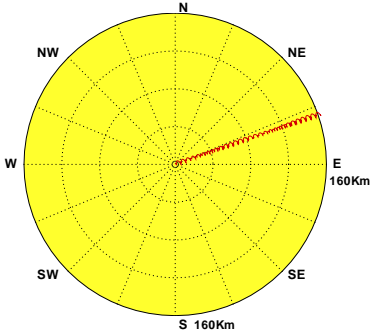
Current of PHR0 at 2017/04 NO=720(100%)
MEAN=17cm/s MAX=33cm/s(SE)
N-E:30% E-S:42% S-W:4% W-N:24%



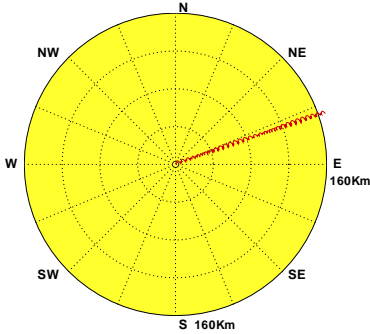
Current of PHR0 at 2017/05 NO=744(100%)
MEAN=17cm/s MAX=37cm/s(SE)
N-E:28% E-S:41% S-W:4% W-N:27%



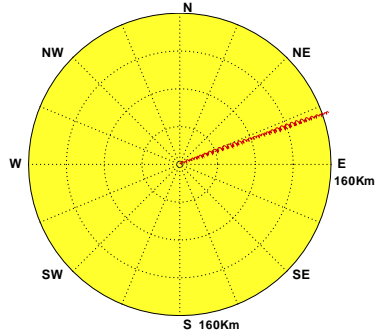
Current of PHR0 at 2017/06 NO=720(100%)
MEAN=17cm/s MAX=38cm/s(SE)
N-E:26% E-S:42% S-W:4% W-N:28%



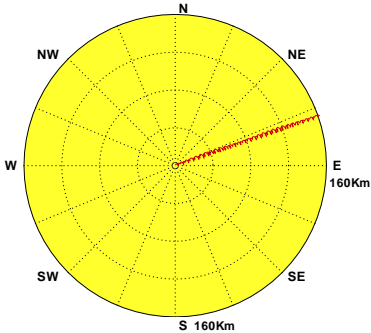
Current of PHR0 at 2017/07 NO=744(100%)
MEAN=17cm/s MAX=38cm/s(SE)
N-E:26% E-S:43% S-W:4% W-N:27%



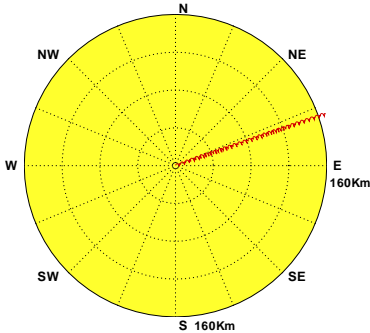
Current of PHR0 at 2017/08 NO=744(100%)
MEAN=16cm/s MAX=37cm/s(SE)
N-E:29% E-S:43% S-W:4% W-N:24%



Current of PHR0 at 2017/09 NO=720(100%)
MEAN=17cm/s MAX=35cm/s(SE)
N-E:29% E-S:43% S-W:4% W-N:24%



Current of PHR0 at 2017/10 NO=744(100%)
MEAN=17cm/s MAX=32cm/s(SE)
N-E:31% E-S:41% S-W:4% W-N:24%



Current of PHR0 at 2017/11 NO=720(100%)
MEAN=17cm/s MAX=34cm/s(SE)
N-E:28% E-S:41% S-W:3% W-N:28%

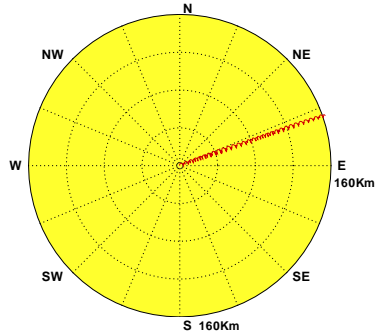


圖4.15d 2017年澎湖海域每月測站 R 計算潮流向量行進圖

C16CPHR0.1HD C171PHR0.1HD C172PHR0.1HD C173PHR0.1HD C174PHR0.1HD C175PHR0.1HD
C176PHR0.1HD C177PHR0.1HD C178PHR0.1HD C179PHR0.1HD C17APHR0.1HD C17BPHR0.1HD

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Distribution of Current Vectors

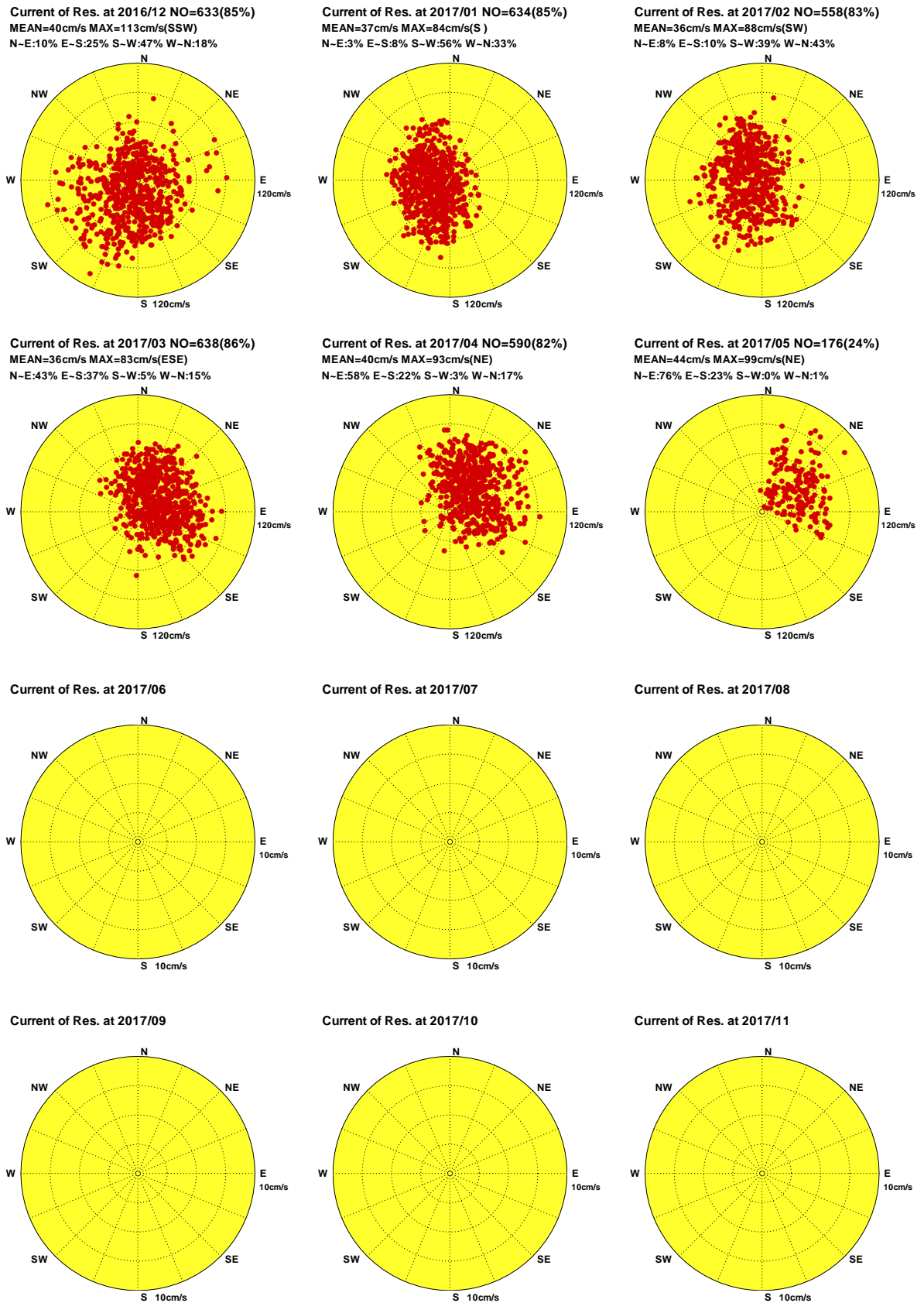


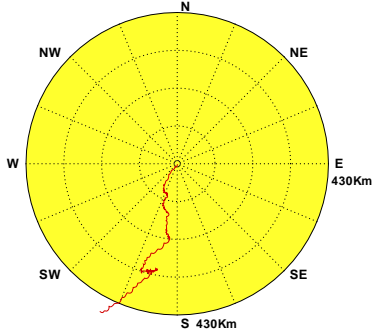
圖4.15e 2017年澎湖海域每月測站 R 計算殘流向量分佈圖

C16CPHR0.1HR C171PHR0.1HR C172PHR0.1HR C173PHR0.1HR C174PHR0.1HR C175PHR0.1HR
 C176PHR0.1HR C177PHR0.1HR C178PHR0.1HR C179PHR0.1HR C17APHR0.1HR C17BPHR0.1HR

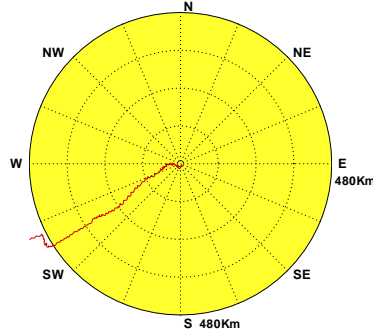
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Progressive Vector Diagram of Current

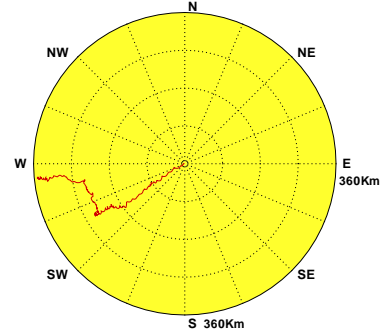
Current of Res. at 2016/12 NO=633(85%)
 MEAN=40cm/s MAX=113cm/s(SSW)
 N-E:10% E-S:25% S-W:47% W-N:18%



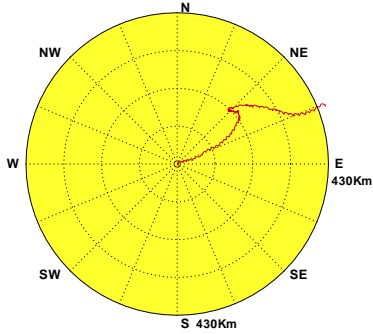
Current of Res. at 2017/01 NO=634(85%)
 MEAN=37cm/s MAX=84cm/s(S)
 N-E:3% E-S:8% S-W:56% W-N:33%



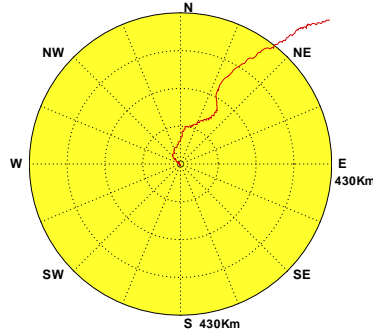
Current of Res. at 2017/02 NO=558(83%)
 MEAN=36cm/s MAX=88cm/s(SW)
 N-E:8% E-S:10% S-W:39% W-N:43%



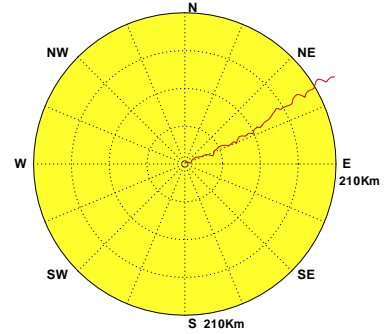
Current of Res. at 2017/03 NO=638(86%)
 MEAN=36cm/s MAX=83cm/s(ESE)
 N-E:43% E-S:37% S-W:5% W-N:15%



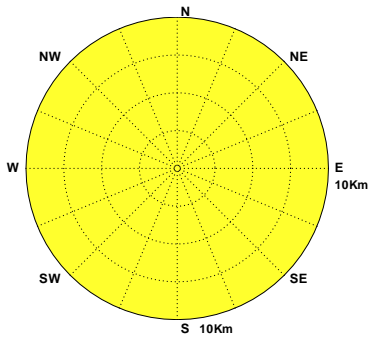
Current of Res. at 2017/04 NO=590(82%)
 MEAN=40cm/s MAX=93cm/s(NE)
 N-E:58% E-S:22% S-W:3% W-N:17%



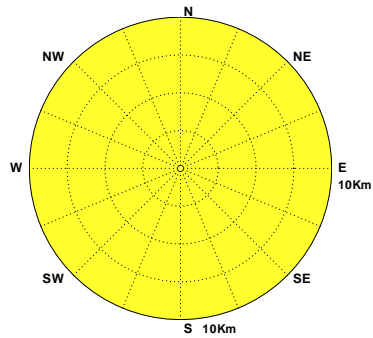
Current of Res. at 2017/05 NO=176(24%)
 MEAN=44cm/s MAX=99cm/s(NE)
 N-E:76% E-S:23% S-W:0% W-N:1%



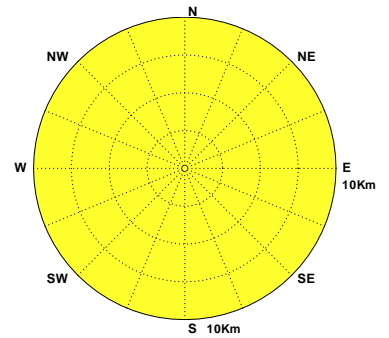
Current of Res. at 2017/06



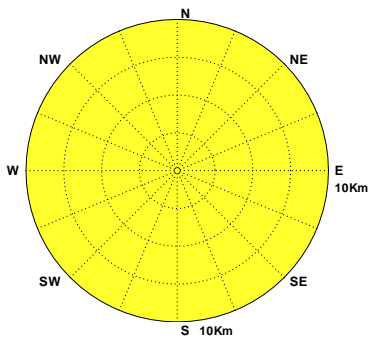
Current of Res. at 2017/07



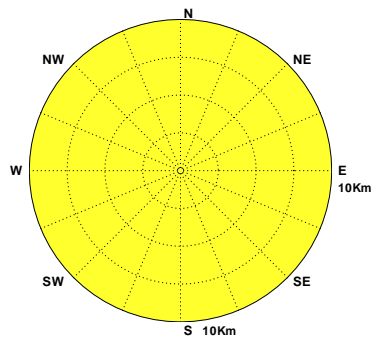
Current of Res. at 2017/08



Current of Res. at 2017/09



Current of Res. at 2017/10



Current of Res. at 2017/11

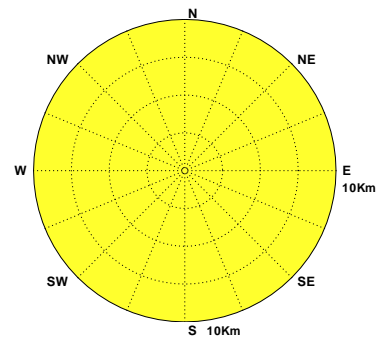


圖4.15f 2017年澎湖海域每月測站 R 計算殘流向量行進圖

C16CPHR0.1HR C171PHR0.1HR C172PHR0.1HR C173PHR0.1HR C174PHR0.1HR C175PHR0.1HR
 C176PHR0.1HR C177PHR0.1HR C178PHR0.1HR C179PHR0.1HR C17APHR0.1HR C17BPHR0.1HR

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