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2017 年港灣環境資訊網
海氣象觀測資料年報
(屏東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、傅怡釧、陳鈞彥
陳明宗、劉清松、林珂如、謝佳紘

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<tr><td colspan="4">摘要：
本港灣環境資訊網觀測海氣象資料年報，包括屏東海域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。</td></tr>
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ABSTRACT:

This Annual report 2017 of Harbor Environment Information Website(HEIV) covers the observation data of winds, waves, tides and currents near Peng-Tung offshoe region in Taiwan. The contents in this Annual report include the records of observation and the time series of data.

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2017年港灣環境資訊網海氣象觀測資料年報
(屏東海域風浪潮流觀測資料)

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誌　　謝

2017 年港灣環境資訊網觀測風力資料，蒐集之屏東海域風力資料，除本中心自行觀測之外，在小琉球海上浮標(**測站 Y**)、恆春氣象站(**測站 O**)等觀測風力資料，係交通部**中央氣象局(CWB)**提供。林邊氣象站(**測站 H**)、鵝鑾鼻海上浮標 (**測站 Z**)、大鵬灣海上浮標(**測站 U**) 等觀測風力資料，係經濟部**水利署(WRA)**提供。大鵬灣水質氣象站(**測站 C** 及**測站 I**) ，係交通部**觀光局(TB)**所設置，謹致謝忱。

2017 年港灣環境資訊網觀測波浪資料，蒐集之屏東海域波浪資料，除本中心自行觀測之外，在小琉球海上浮標(**測站 Y**)、大鵬灣海上浮標(**測站 U**)等觀測波浪資料，係交通部**中央氣象局(CWB)**提供。鵝鑾鼻海上浮標 (**測站 Z**)觀測波浪資料，係經濟部**水利署(WRA)**提供。南灣海上浮標(**測站 R**)觀測波浪儀，係**國立成功大學水文中心(COMC)**裝設，謹致謝忱。

2017 年港灣海氣象觀測潮汐資料，蒐集之屏東海域潮汐觀測資料，除本中心自行觀測之外，在小琉球(**測站 J**)、東港(**測站 P**)、後壁湖(**測站 Q**)等觀測潮汐資料，係交通部**中央氣象局**提供。蟯廣嘴(**測站 F**)、林邊(**測站 K**)、嘉和(**測站 M** 等觀測潮汐資料，係經濟部**水利署**提供，謹致謝忱。

2017 年港灣環境資訊網觀測海流資料，蒐集之屏東海域海流資料，除本中心自行觀測之外，在小琉球海上浮標(**測站 Y**)等觀測海流資料，係交通部**中央氣象局(CWB)**提供。鵝鑾鼻海上浮標(**測站 Z**)觀測海流資料，係經濟部**水利署(WRA)**提供，謹致謝忱。

第 O 章 屏東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。

屏東海域觀測風力資料測站統計表如表 WD1，觀測波浪資料測站統計表如表 VD1，觀測潮汐資料測站統計表如表 TD1，觀測海流資料測站統計表如表 CD1。

表 WD1　屏東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
屏東海域	10	0	4	4	2	

表 VD1　屏東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
屏東海域	4	0	1	2	1	

表 TD1　屏東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
屏東海域	6	0	3	3	0	

表 CD1　屏東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
屏東海域	2	0	0	2	0	

註:資料更新時間為 2017 年。

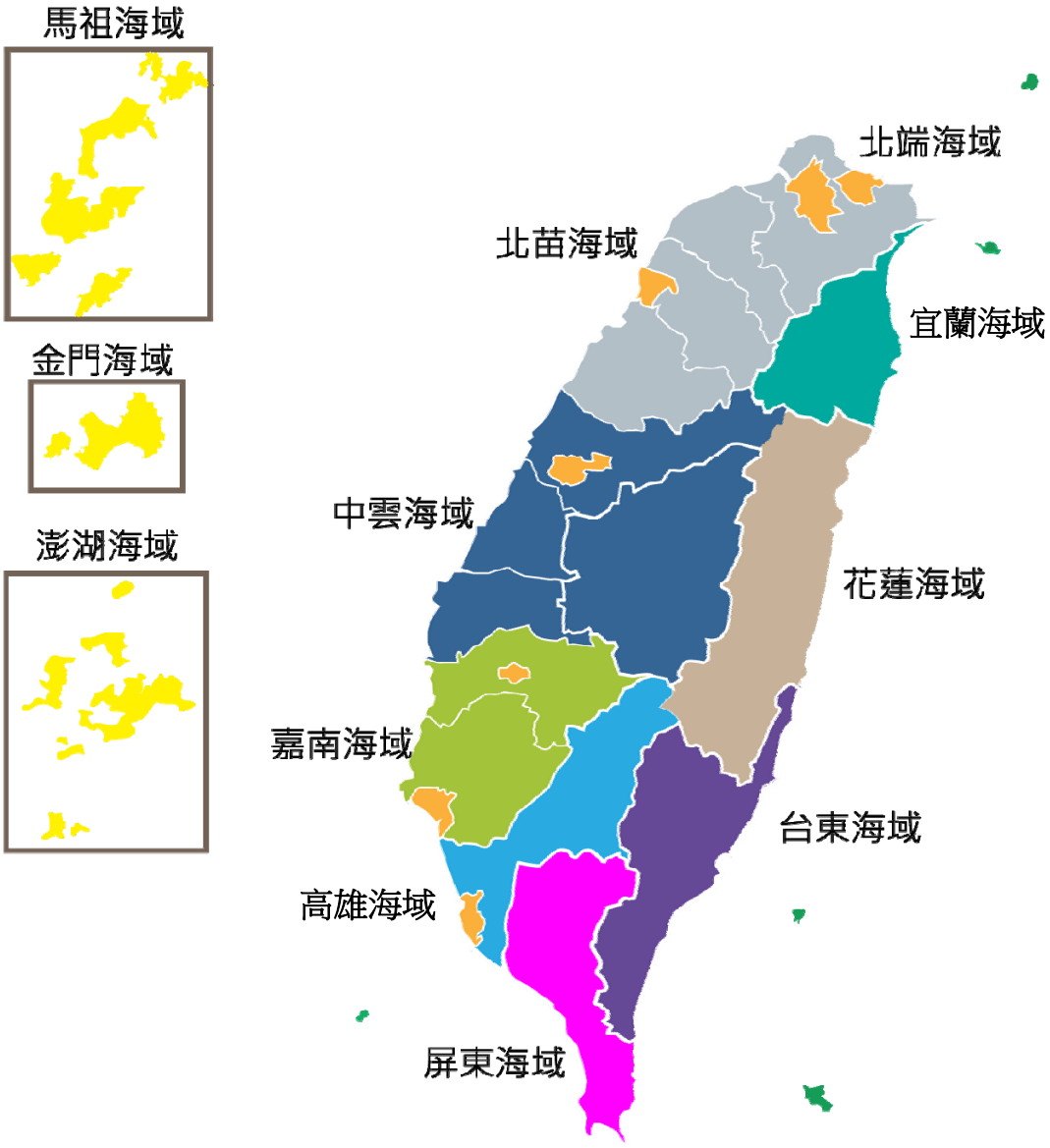

圖 A1 臺灣 12 海域區分示意圖

2017 年屏東海域觀測風力資料

屏東海域風之觀測恆春氣象站(**測站 O)**、小琉球氣象站(**測站 J)**屬中央氣象局**(CWB)**所有，測站之位置如圖 WD1。東港(**測站 P**)由中央氣象局所設置，**測站 Y**(小琉球浮標站) 之風速儀也屬中央氣象局所有。大鵬灣氣象站風力觀**測站 C**(**測站 I**)為觀光局所設置。

測站 Z(鵝鑾鼻外海浮標站) 、**測站 U**(大鵬灣海上浮標站) 、蟳廣嘴氣象站**測站 E** 及林邊氣象站**測站 H** 之風速儀則屬水利署**(WRA)**所有。各測站歷年觀測風資料蒐集概況如表 WD1。

風資料之蒐集係採取每小時測定之風速、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。風力資料以取平均風速及平均風向為主。

表 WD1 屏東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
Y	22°18'50"N	120°21'50"E	2003/11-2017/11(觀測中)	中央氣象局	小琉球浮標站
Z	21°54'01"N	120°49'21"E	2000/10-2017/11(觀測中)	水利署	鵝鑾鼻浮標站
E	21°59'9"N	120°42'42"E	2006/12-2017/11(觀測中)	水利署	蟳廣嘴氣象站
H	22°24'53"N	120°31'7"E	2013/09-2017/11(觀測中)	水利署	林邊氣象站
I	22°26'55"N	120°27'9"E	2002/11-2017/11(觀測中)	觀光局	大鵬灣氣象站
O	22°00'20"N	120°44'17"E	2013/11-2017/11(觀測中)	中央氣象局	恆春氣象站
U	22°18'50"N	120°21'50"E	2002/11-2013/08	水利署	大鵬灣浮標
C	22°41'01"N	120°42'30"E	2014/11-2017/11(觀測中)	觀光局	大鵬灣氣象站
J	22°26'55"N	120°27'09"E	2016/03-2017/11(觀測中)	中央氣象局	小琉球氣象站
P	22°27'50"N	120°26'15"	2016/03-2017/11(觀測中)	中央氣象局	東港氣象站

屏東海域

圖 WD1 屏東海域風力觀測站位置示意圖

2017 年屏東海域觀測波浪資料

屏東海域波浪之觀測小琉球海上浮標(**測站 Y**) 屬中央氣象局**(CWB)**所有，測站之位置如圖 VD1。

測站 Z(鵝鑾鼻外海浮標站) 、**測站 U**(大鵬灣海上浮標站) 之波浪儀則屬水利署**(WRA)**所有。

南灣海上浮標(**測站 R**) 波浪儀，係國立成功大學水文中心**(COMC)**裝設。各測站歷年觀測風資料蒐集概況如表 VD1。

表 VD1 屏東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
Y	22°18'50"N	120°21'50"E	2003/11-2017/11(觀測中)	中央氣象局	小琉球浮標站
Z	21°54'01"N	120°49'21"E	2000/10-2017/11(觀測中)	水利署	鵝鑾鼻浮標站
U	22°18'50"N	120°21'50"E	2002/11-2013/08	水利署	大鵬灣浮標
R	22°18'50"N	120°21'50"E	2003/11-2017/11(觀測中)	水文中心	南灣海上浮標

屏東海域

圖 VD1 屏東海域波浪觀測站位置示意圖

2017 年屏東海域觀測潮汐資料

屏東海域之潮汐觀測，小琉球潮位站(**測站 J**)、東港潮位站(**測站 P**)、後壁湖潮位站(**測站 Q**)等屬中央氣象局所有，測站之位置如圖 TD1。蟳廣嘴潮位站(**測站 F**)、林邊潮位站(**測站 K**)、嘉和潮位站(**測站 M**)皆屬水利署所有。潮位資料分別由中央氣象局及水利署提供。**屏東海域**各測站歷年觀測潮汐資料蒐集概況如表 TD1。

表 TD1 屏東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
F	21°59'09"N	120°42'43"E	2009/01-**2017**/11(觀測中)	水利署	蟳廣嘴潮位站
K	22°24'53"N	120°31'07"E	2010/12-**2017**/11(觀測中)	水利署	林邊潮位站
M	22°19'26"N	120°37'35"E	2009/01-2010/07	水利署	嘉和潮位站
J	22°21'13"N	120°22'42"E	2013/12-**2017**/11(觀測中)	中央氣象局	小琉球潮位站
P	22°27'50"N	120°26'15"E	2013/12-**2017**/11(觀測中)	中央氣象局	東港潮位站
Q	21°56'45"N	120°44'43"E	2013/12-**2017**/11(觀測中)	中央氣象局	後壁湖潮位站

屏東海域

圖 TD1 屏東海域潮汐觀測站位置示意圖

2017 年屏東海域觀測海流資料

屏東海域海流之觀測小琉球海上浮標(**測站 Y**) 屬中央氣象局**(CWB)**所有，測站之位置如圖 CD1。**測站 Z**(鵝鑾鼻外海浮標站) 之海流儀則屬水利署**(WRA)**所有。各測站歷年觀測風資料蒐集概況如表 CD1。

表 CD1 屏東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
Y	22°18'50"N	120°21'50"E	2003/11-2015/9	中央氣象局	小琉球浮標站
Z	21°54'01"N	120°49'21"E	2000/10-2017/11(觀測中)	水利署	鵝鑾鼻浮標站

屏東海域

圖 CD1 屏東海域海流觀測站位置示意圖

第一章　2017 年屏東海域觀測風力資料

屏東海域風之觀測包括**測站 Y、測站 Z、測站 E、測站 H、測站 O、測站 I、測站 U、測站 C、測站 J 及測站 P 等** 10 個測站(測站位置如第 O 章圖 WJ1)。本年報取經檢核及補遺之 **Y 站**及 **Z 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年每月屏東海域修補前各測站觀測風力資料紀錄表

海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域
年月/測站	Y	Z	E	H	I	O	U	C	P	J		
2016/12 月	744(100%)	744(100%)	743(99.9%)	744(100%)	744(100%)	744(100%)	*	730(98.1%)	723(97.2%)	682(91.7%)	*	*
2017/ 1 月	744(100%)	744(100%)	744(100%)	744(100%)	741(99.6%)	744(100%)	*	743(99.9%)	607(81.6%)	608(81.7%)	*	*
2017/ 2 月	672(100%)	672(100%)	672(100%)	672(100%)	672(100%)	672(100%)	*	650(96.7%)	662(98.5%)	661(98.4%)	*	*
2017/ 3 月	744(100%)	744(100%)	743(99.9%)	744(100%)	743(99.9%)	744(100%)	*	738(99.2%)	684(91.9%)	684(91.9%)	*	*
2017/ 4 月	720(100%)	720(100%)	720(100%)	720(100%)	719(99.9%)	720(100%)	*	714(99.2%)	600(83.3%)	597(82.9%)	*	*
2017/ 5 月	744(100%)	744(100%)	742(99.7%)	742(99.7%)	744(100%)	744(100%)	*	737(99.1%)	694(93.3%)	697(93.7%)	*	*
2017/ 6 月	720(100%)	707(98.2%)	709(98.5%)	712(98.9%)	720(100%)	720(100%)	*	717(99.6%)	303(42.1%)	349(48.5%)	*	*
2017/ 7 月	743(99.9%)	724(97.3%)	729(98.0%)	740(99.5%)	744(100%)	744(100%)	*	729(98.0%)	682(91.7%)	681(91.5%)	*	*
2017/ 8 月	744(100%)	738(99.2%)	738(99.2%)	739(99.3%)	744(100%)	744(100%)	*	741(99.6%)	355(47.7%)	406(54.6%)	*	*
2017/ 9 月	720(100%)	212(29.4%)	709(98.5%)	715(99.3%)	719(99.9%)	720(100%)	*	716(99.4%)	442(61.4%)	442(61.4%)	*	*
2017/10 月	744(100%)	744(100%)	744(100%)	742(99.7%)	743(99.9%)	*	*	679(91.3%)	576(77.4%)	576(77.4%)	*	*
2017/11 月	714(99.2%)	720(100%)	709(98.5%)	712(98.9%)	702(97.5%)	*	*	680(94.4%)	625(86.8%)	624(86.7%)	*	*
2017/冬季	2160(100%)	2160(100%)	2159(99.9%)	2160(100%)	2157(99.9%)	2160(100%)	*	2123(98.3%)	1992(92.2%)	1951(90.3%)	*	*
2017/春季	2208(100%)	2208(100%)	2205(99.9%)	2206(99.9%)	2206(99.9%)	2208(100%)	*	2189(99.1%)	1978(89.6%)	1978(89.6%)	*	*
2017/夏季	2207(99.9%)	2169(98.2%)	2176(98.6%)	2191(99.2%)	2208(100%)	2208(100%)	*	2187(99.0%)	1340(60.7%)	1436(65.0%)	*	*
2017/秋季	2178(99.7%)	1676(76.7%)	2162(99.0%)	2169(99.3%)	2164(99.1%)	720(33.0%)	*	2075(95.0%)	1643(75.2%)	1642(75.2%)	*	*
2017/整年	8753(99.9%)	8213(93.8%)	8702(99.3%)	8726(99.6%)	8735(99.7%)	7296(83.3%)	*	8574(97.9%)	6953(79.4%)	7007(80.0%)	*	*
起始年月	2016/12	2016/12	2016/12	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	2017/09	*	2017/11	2017/11	2017/11	*	*

表1.1b 2017年每月屏東海域修補後各測站風力資料紀錄表

海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域
年月/測站	Y	Z										
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年屏東海域主要測站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%)	3.3	2.1/NW	8.7/S	54.4	45.3	.3	.0	19.9	5.1	14.7	60.3	WNW/21.0%
2	2017/01	744(100%)	3.4	2.4/NW	7.7/W	46.5	53.5	.0	.0	18.0	4.0	13.6	64.4	WNW/22.4%
3	2017/02	672(100%)	3.8	2.1/WNW	11.4/WNW	43.0	53.6	3.4	.0	21.1	6.3	18.0	54.6	WNW/22.2%
4	2017/03	744(100%)	3.8	1.4/W	10.3/WNW	42.7	53.2	4.0	.0	17.5	15.5	26.3	40.7	WNW/17.7%
5	2017/04	720(100%)	3.9	1.1/SW	11.8/SSW	45.1	48.9	6.0	.0	18.6	16.0	39.4	26.0	W /10.8%
6	2017/05	744(100%)	3.1	.3/WNW	9.4/SSW	62.0	36.7	1.3	.0	26.5	24.5	23.0	26.1	NNE/10.3%
7	2017/06	720(100%)	4.2	1.6/WNW	9.4/W	40.0	55.0	5.0	.0	22.2	12.8	29.4	35.6	WNW/12.5%
8	2017/07	743(100%)	5.8	1.7/SE	18.3/WNW	24.2	51.4	23.6	.8	25.0	38.1	27.1	9.8	ESE/16.7%
9	2017/08	744(100%)	3.9	1.3/NW	15.2/ESE	47.6	45.3	7.0	.1	26.2	10.5	23.8	39.5	N /12.5%
10	2017/09	720(100%)	3.5	.5/NW	13.0/ESE	57.5	37.1	5.4	.0	19.0	20.7	24.7	35.6	N / 9.7%
11	2017/10	744(100%)	3.0	1.1/NNW	11.4/E	62.0	36.0	2.0	.0	26.1	8.9	20.3	44.8	WNW/12.4%
12	2017/11	714(99%)	2.9	2.3/NW	7.7/NW	64.0	36.0	.0	.0	22.4	1.5	7.4	68.6	NW /22.4%
13	2017/冬	2160(100%)	3.5	2.2/NW	11.4/WNW	48.1	50.7	1.2	.0	19.6	5.1	15.3	60.0	WNW/21.9%
14	2017/春	2208(100%)	3.6	.9/W	11.8/SSW	50.0	46.2	3.8	.0	20.9	18.7	29.5	31.0	WNW/11.2%
15	2017/夏	2207(100%)	4.6	.4/W	18.3/WNW	37.2	50.5	11.9	.3	24.5	20.5	26.7	28.2	E / 8.4%
16	2017/秋	2178(100%)	3.1	1.3/NW	13.0/ESE	61.2	36.4	2.5	.0	22.5	10.4	17.5	49.5	NW /14.1%
17	2017/年	8753(100%)	3.7	1.1/WNW	18.3/WNW	49.1	46.0	4.9	.1	21.9	13.7	22.3	42.1	WNW/12.9%

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表1.2b　2017年屏東海域主要測站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%)	3.3	2.1/NW	8.7/S	54.4	45.3	.3	.0	19.9	5.1	14.7	60.3	WNW/21.0%
2	2017/01	744(100%)	3.4	2.4/NW	7.7/W	46.6	53.4	.0	.0	18.0	4.0	13.6	64.4	WNW/22.4%
3	2017/02	672(100%)	3.8	2.1/WNW	11.4/WNW	43.3	53.3	3.4	.0	21.1	6.3	18.0	54.6	WNW/22.2%
4	2017/03	744(100%)	3.8	1.4/W	10.3/WNW	42.9	53.1	4.0	.0	17.5	15.5	26.3	40.7	WNW/17.7%
5	2017/04	720(100%)	3.9	1.1/SW	11.8/SSW	45.1	48.9	6.0	.0	18.6	16.0	39.4	26.0	W /10.8%
6	2017/05	744(100%)	3.1	.3/WNW	9.4/SSW	62.0	36.7	1.3	.0	26.5	24.5	23.0	26.1	NNE/10.3%
7	2017/06	720(100%)	4.2	1.6/WNW	9.4/W	40.0	55.0	5.0	.0	22.2	12.8	29.4	35.6	WNW/12.5%
8	2017/07	744(100%)	5.8	1.7/SE	18.3/WNW	24.3	51.3	23.5	.8	25.1	38.0	27.0	9.8	ESE/16.7%
9	2017/08	744(100%)	3.9	1.3/NW	15.2/ESE	47.6	45.3	7.0	.1	26.2	10.5	23.8	39.5	N /12.4%
10	2017/09	720(100%)	3.5	.5/NW	13.0/ESE	57.5	37.1	5.4	.0	19.0	20.7	24.7	35.6	N / 9.7%
11	2017/10	744(100%)	3.0	1.1/NNW	11.4/E	62.0	36.0	2.0	.0	26.1	8.9	20.3	44.8	WNW/12.4%
12	2017/11	720(100%)	2.9	2.3/NW	7.7/NW	64.2	35.8	.0	.0	22.1	1.5	7.6	68.8	NW /22.4%
13	2017/冬	2160(100%)	3.5	2.2/NW	11.4/WNW	48.3	50.6	1.2	.0	19.6	5.1	15.3	60.0	WNW/21.9%
14	2017/春	2208(100%)	3.6	.9/W	11.8/SSW	50.0	46.2	3.8	.0	20.9	18.7	29.5	31.0	WNW/11.2%
15	2017/夏	2208(100%)	4.6	.4/W	18.3/WNW	37.3	50.5	11.9	.3	24.5	20.5	26.7	28.2	E / 8.4%
16	2017/秋	2184(100%)	3.1	1.3/NW	13.0/ESE	61.2	36.3	2.5	.0	22.4	10.3	17.6	49.6	NW /14.1%
17	2017/年	8760(100%)	3.7	1.1/WNW	18.3/WNW	49.2	45.9	4.9	.1	21.9	13.7	22.3	42.1	WNW/12.9%

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表1.3a　2017年屏東海域主要測站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	744(100%)	12.0	11.8/NE	20.0/NE	1.3	11.2	53.1	34.4	99.6	.0	.0	.4	NE /83.9%
2	2017/01	744(100%)	9.9	9.7/NE	18.4/NE	7.5	19.9	58.2	14.4	96.2	1.7	.5	1.5	NE /71.6%
3	2017/02	672(100%)	10.1	9.6/NE	18.1/NE	3.3	24.4	56.4	15.9	92.0	4.2	1.8	2.1	NE /71.4%
4	2017/03	744(100%)	8.4	6.9/NE	15.8/NE	8.6	37.9	46.5	7.0	76.5	10.1	5.1	8.3	NE /54.0%
5	2017/04	720(100%)	7.7	5.1/NE	15.3/NE	10.8	39.7	46.5	2.9	62.2	15.7	5.7	16.4	NE /43.1%
6	2017/05	744(100%)	6.8	4.9/NE	18.2/NE	21.6	40.7	32.9	4.7	69.0	8.6	11.8	10.6	NE /50.3%
7	2017/06	707(98%)	5.7	3.7/W	12.1/W	18.5	59.1	22.3	.0	11.0	12.7	41.9	34.4	W /25.9%
8	2017/07	724(97%)	5.4	3.1/ENE	19.0/SSW	21.4	60.9	16.3	1.4	61.2	22.4	10.9	5.5	ENE/29.7%
9	2017/08	738(99%)	6.1	2.0/NW	14.3/ESE	17.8	55.6	25.7	.9	40.5	3.0	22.0	34.6	W /22.8%
10	2017/09	212(29%)	6.6	3.6/NE	13.6/NE	16.5	48.6	34.9	.0	55.2	15.1	18.4	11.3	NE /35.8%
11	2017/10	744(100%)	9.8	9.4/NE	17.7/NE	5.4	21.0	61.2	12.5	91.3	5.0	.4	3.4	NE /73.7%
12	2017/11	720(100%)	10.3	10.1/NE	20.4/NE	7.1	20.0	50.1	22.8	94.4	.8	.4	4.3	NE /85.0%
13	2017/冬	2160(100%)	10.7	10.4/NE	20.0/NE	4.1	18.3	55.9	21.8	96.1	1.9	.7	1.3	NE /75.8%
14	2017/春	2208(100%)	7.6	5.6/NE	18.2/NE	13.7	39.4	41.9	4.9	69.3	11.4	7.6	11.7	NE /49.2%
15	2017/夏	2169(98%)	5.8	.9/NW	19.0/SSW	19.2	58.5	21.5	.8	37.8	12.6	24.8	24.8	W /16.6%
16	2017/秋	1676(77%)	9.6	8.9/NE	20.4/NE	7.5	24.0	53.1	15.3	88.1	4.5	2.7	4.8	NE /73.7%
17	2017/年	8213(94%)	8.3	6.1/NE	20.4/NE	11.4	35.8	42.5	10.4	71.8	7.8	9.3	11.0	NE /52.4%

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表1.3b　2017年屏東海域主要測站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%)	12.0	11.8/NE	20.0/NE	1.3	11.2	53.4	34.1	99.6	.0	.0	.4	NE /83.9%
2	2017/01	744(100%)	9.9	9.7/NE	18.4/NE	7.5	19.9	58.3	14.2	96.2	1.7	.5	1.5	NE /71.6%
3	2017/02	672(100%)	10.1	9.6/NE	18.1/NE	3.3	24.4	56.5	15.8	92.0	4.2	1.8	2.1	NE /71.4%
4	2017/03	744(100%)	8.4	6.9/NE	15.8/NE	8.6	37.9	46.5	7.0	76.5	10.1	5.1	8.3	NE /54.0%
5	2017/04	720(100%)	7.7	5.1/NE	15.3/NE	10.8	39.7	46.5	2.9	62.2	15.7	5.7	16.4	NE /43.1%
6	2017/05	744(100%)	6.8	4.9/NE	18.2/NE	21.6	40.7	33.2	4.4	69.0	8.6	11.8	10.6	NE /50.3%
7	2017/06	720(100%)	5.6	3.6/W	12.1/W	19.7	58.3	21.9	.0	11.1	13.8	41.1	34.0	W /25.4%
8	2017/07	744(100%)	5.4	3.1/ENE	19.0/SSW	21.9	60.9	15.9	1.3	61.4	22.4	10.6	5.5	ENE/29.3%
9	2017/08	744(100%)	6.1	2.0/NW	14.3/ESE	18.0	55.5	25.5	.9	40.7	3.0	21.8	34.5	W /22.6%
10	2017/09	720(100%)	6.4	5.3/NE	13.6/NE	7.2	70.0	22.8	.0	83.9	7.4	5.4	3.3	NE /55.1%
11	2017/10	744(100%)	9.8	9.4/NE	17.7/NE	5.4	21.0	61.2	12.5	91.3	5.0	.4	3.4	NE /73.7%
12	2017/11	720(100%)	10.3	10.1/NE	20.4/NE	7.1	20.0	50.6	22.4	94.3	1.0	.4	4.3	NE /85.0%
13	2017/冬	2160(100%)	10.7	10.4/NE	20.0/NE	4.1	18.3	56.1	21.6	96.1	1.9	.7	1.3	NE /75.8%
14	2017/春	2208(100%)	7.6	5.6/NE	18.2/NE	13.7	39.4	42.0	4.8	69.3	11.4	7.6	11.7	NE /49.2%
15	2017/夏	2208(100%)	5.7	.9/NW	19.0/SSW	19.9	58.2	21.1	.8	38.0	13.0	24.3	24.6	W /16.3%
16	2017/秋	2184(100%)	8.8	8.2/NE	20.4/NE	6.5	36.8	45.0	11.6	89.8	4.4	2.1	3.7	NE /71.3%
17	2017/年	8760(100%)	8.2	6.1/NE	20.4/NE	11.1	38.3	41.0	9.6	73.1	7.7	8.7	10.4	NE /52.8%

DISW3A.BAT　　測站編號:PNZ

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Wind Speed in Peng-Tung Seas of PNY0 at 2017

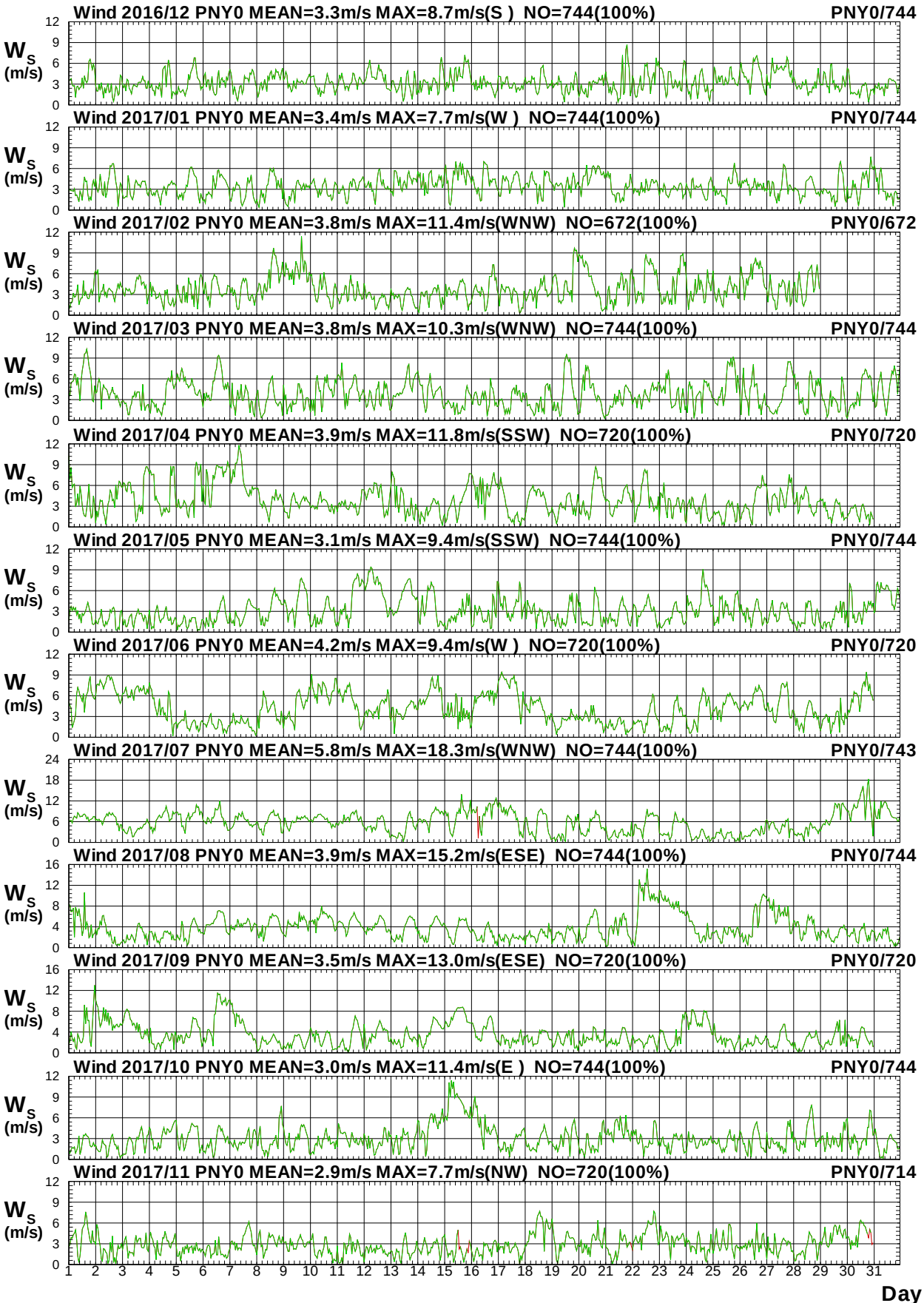

圖1.1a　2017年每月屏東海域 Y 站修補前後之風速比較圖

W16CPNY0.1HA W16CPNY0.1H0 W171PNY0.1HA W171PNY0.1H0 W172PNY0.1HA W172PNY0.1H0
W173PNY0.1HA W173PNY0.1H0 W174PNY0.1HA W174PNY0.1H0 W175PNY0.1HA W175PNY0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

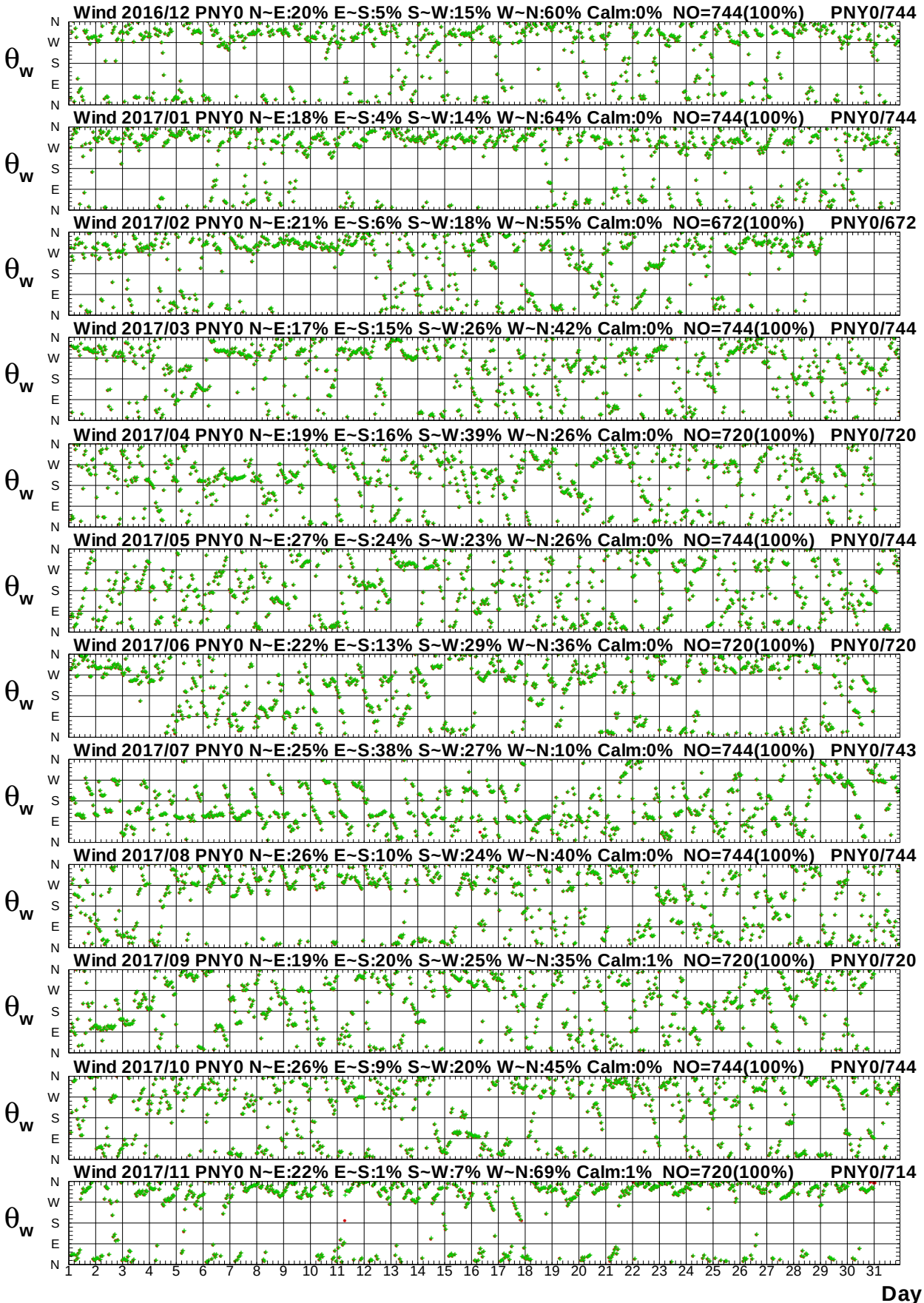

圖1.1b　2017年每月屏東海域 Y 站修補前後之風向比較圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

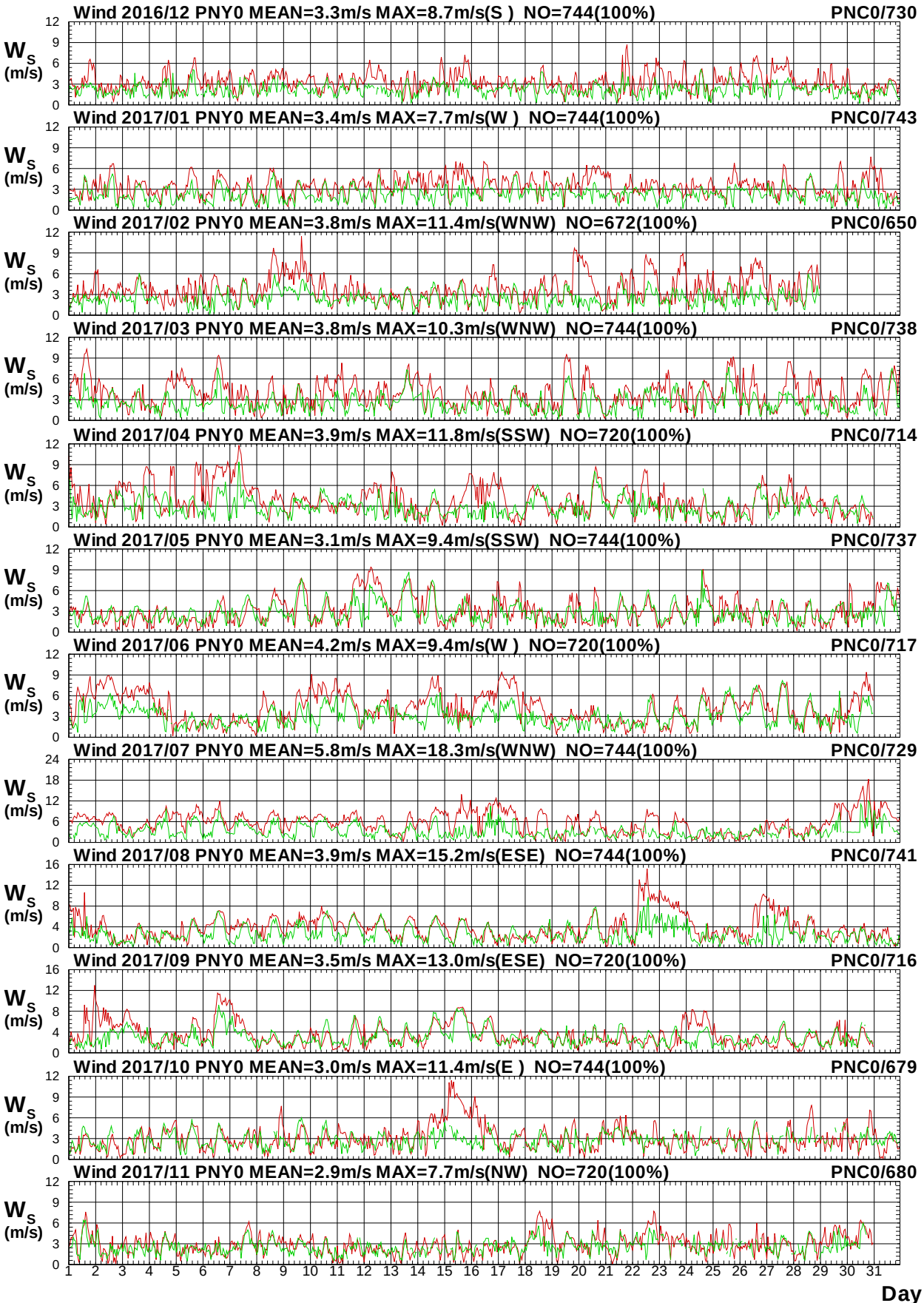

圖1.2a　2017年每月屏東海域 Y 站與 C 站風速比較圖

W16CPNY0.1HA W16CPNC0.1H0 W171PNY0.1HA W171PNC0.1H0 W172PNY0.1HA W172PNC0.1H0
W173PNY0.1HA W173PNC0.1H0 W174PNY0.1HA W174PNC0.1H0 W175PNY0.1HA W175PNC0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

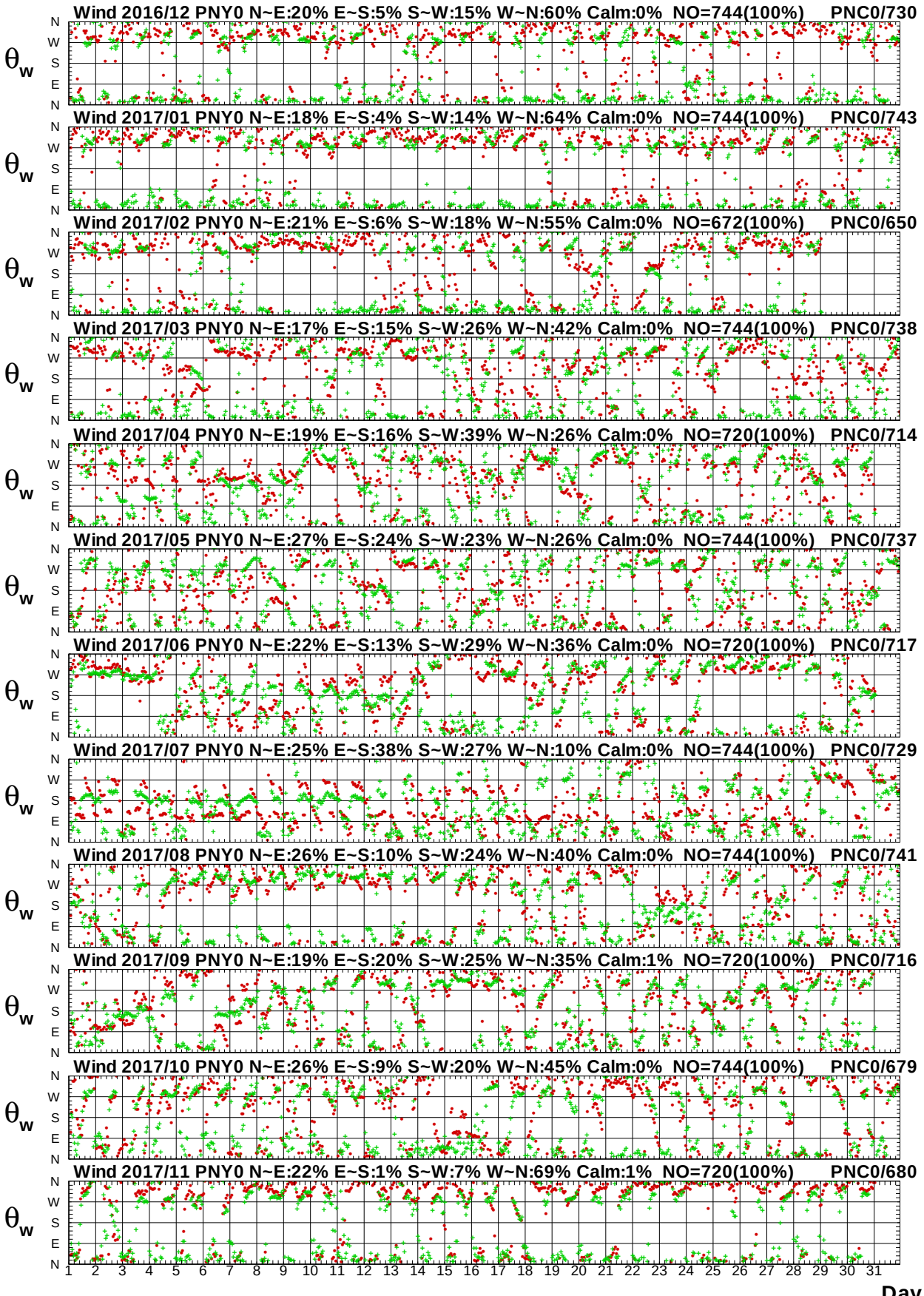

圖1.2b　2017年每月屏東海域 Y 站與 C 站風向比較圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

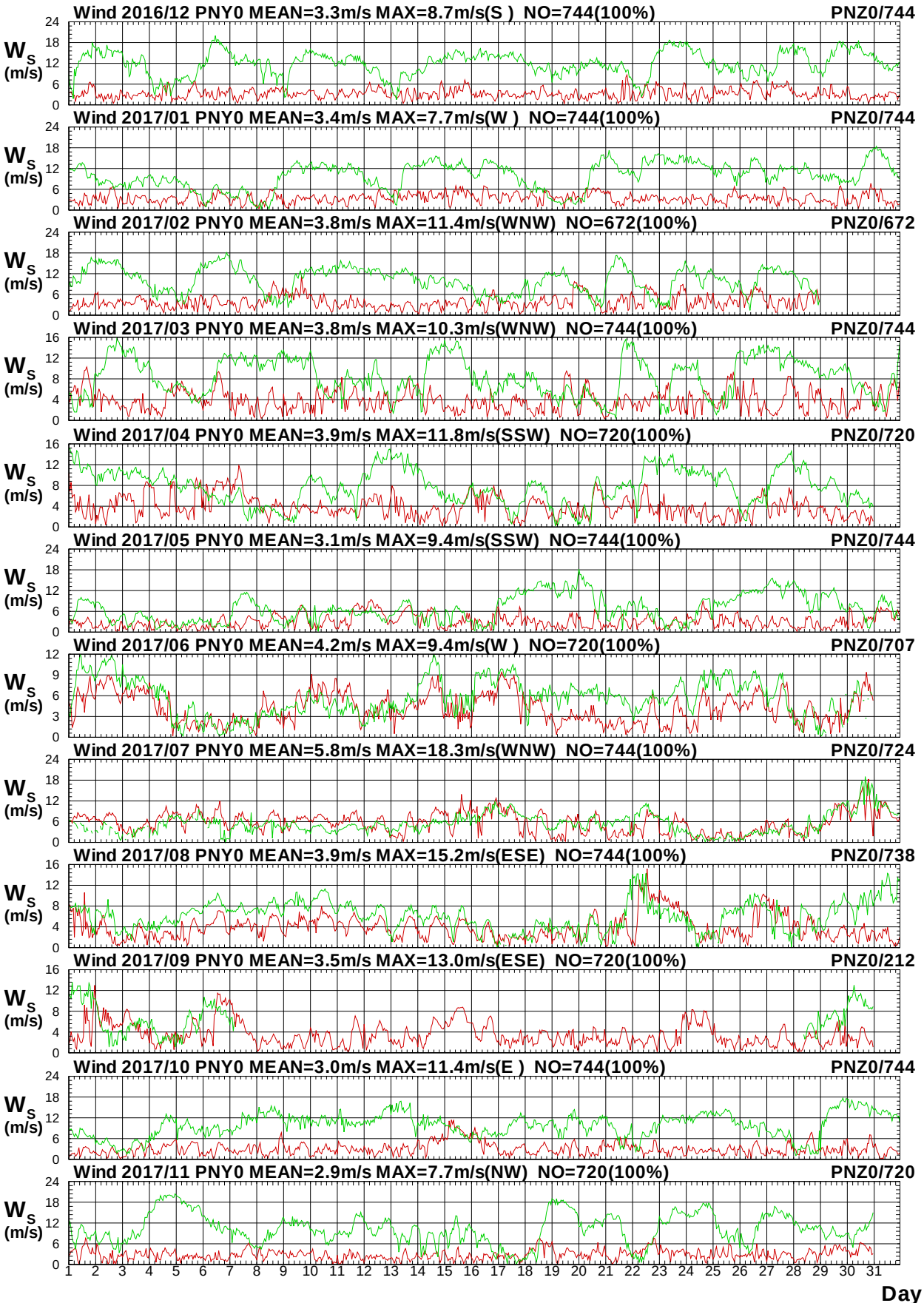

圖1.3a　2017年每月屏東海域 Y 站與 Z 站風速比較圖

W16CPNY0.1HA W16CPNZ0.1H0 W171PNY0.1HA W171PNZ0.1H0 W172PNY0.1HA W172PNZ0.1H0
W173PNY0.1HA W173PNZ0.1H0 W174PNY0.1HA W174PNZ0.1H0 W175PNY0.1HA W175PNZ0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

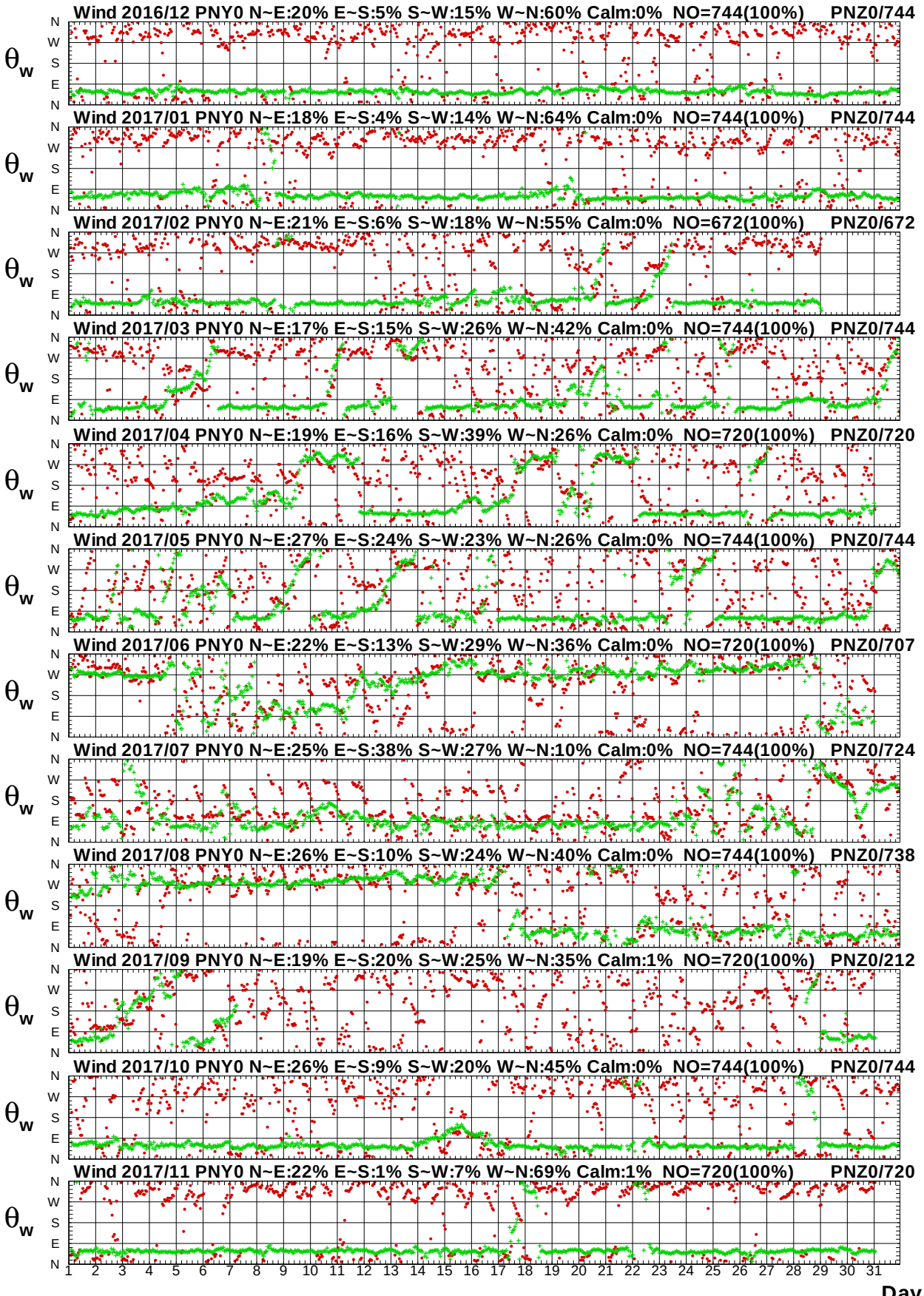

圖1.3b　2017年每月屏東海域 Y 站與 Z 站風向比較圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

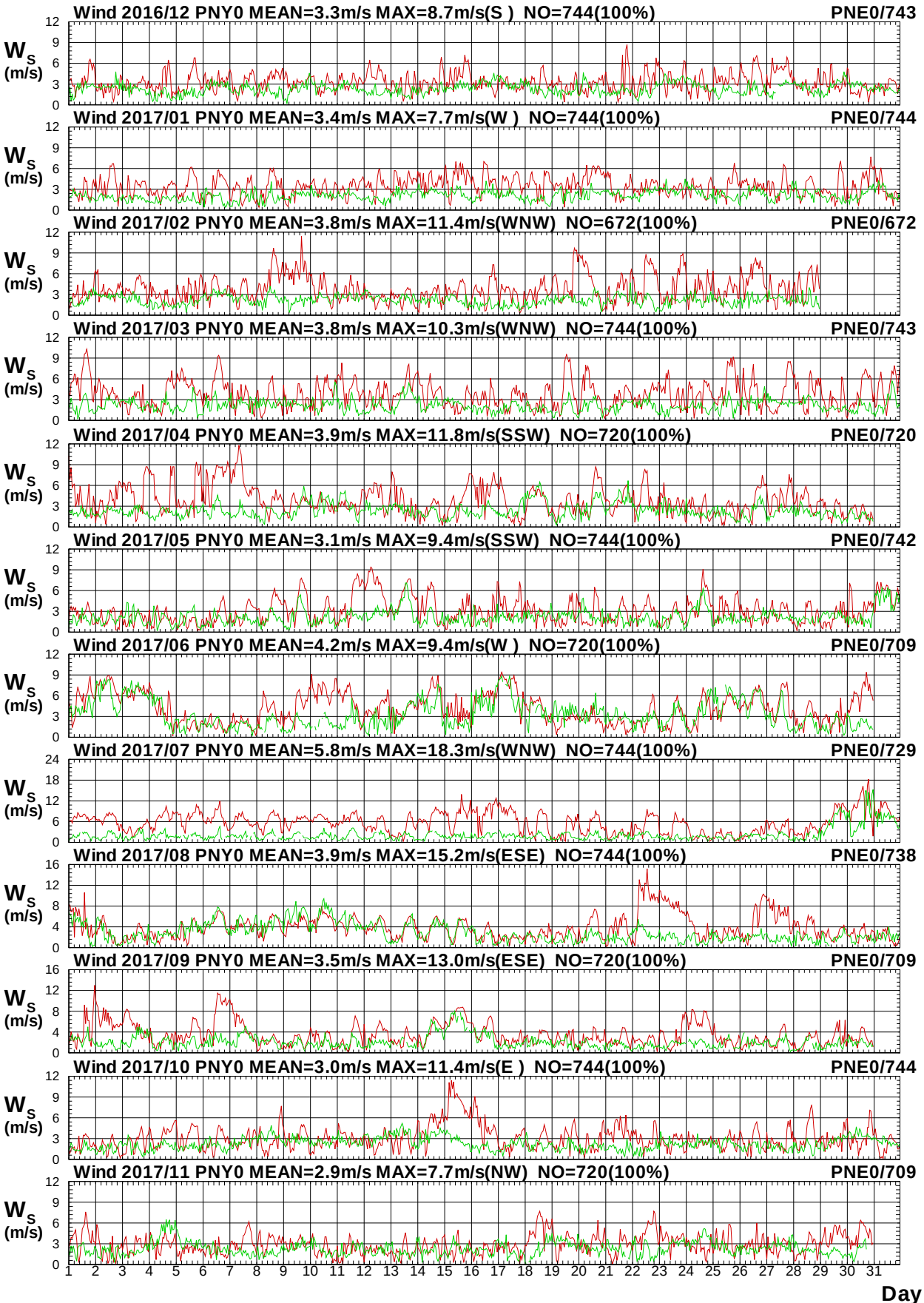

圖1.4a　2017年每月屏東海域 Y 站與 E 站風速比較圖

W16CPNY0.1HA W16CPNE0.1H0 W171PNY0.1HA W171PNE0.1H0 W172PNY0.1HA W172PNE0.1H0
W173PNY0.1HA W173PNE0.1H0 W174PNY0.1HA W174PNE0.1H0 W175PNY0.1HA W175PNE0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

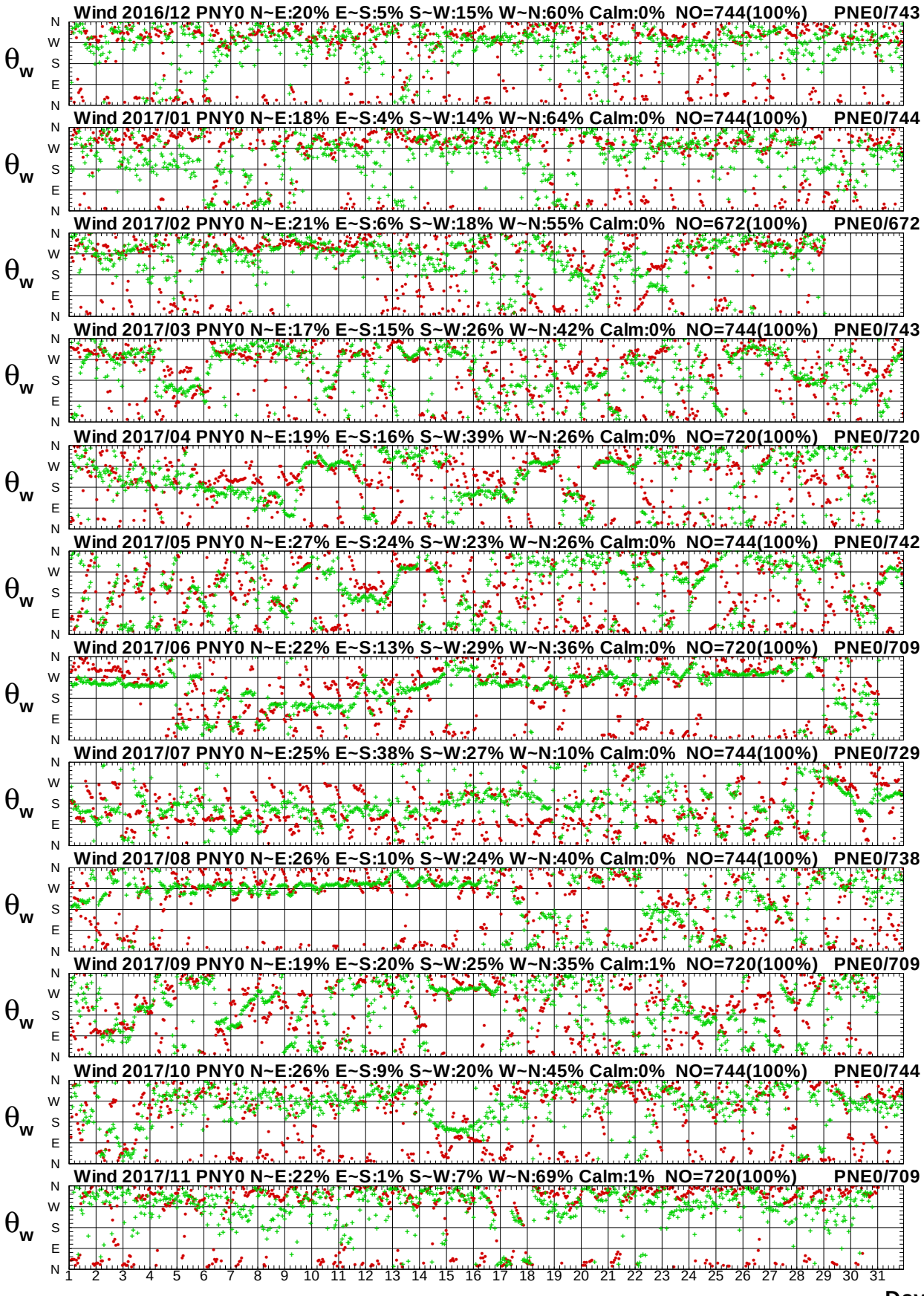

圖1.4b　2017年每月屏東海域 Y 站與 E 站風向比較圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

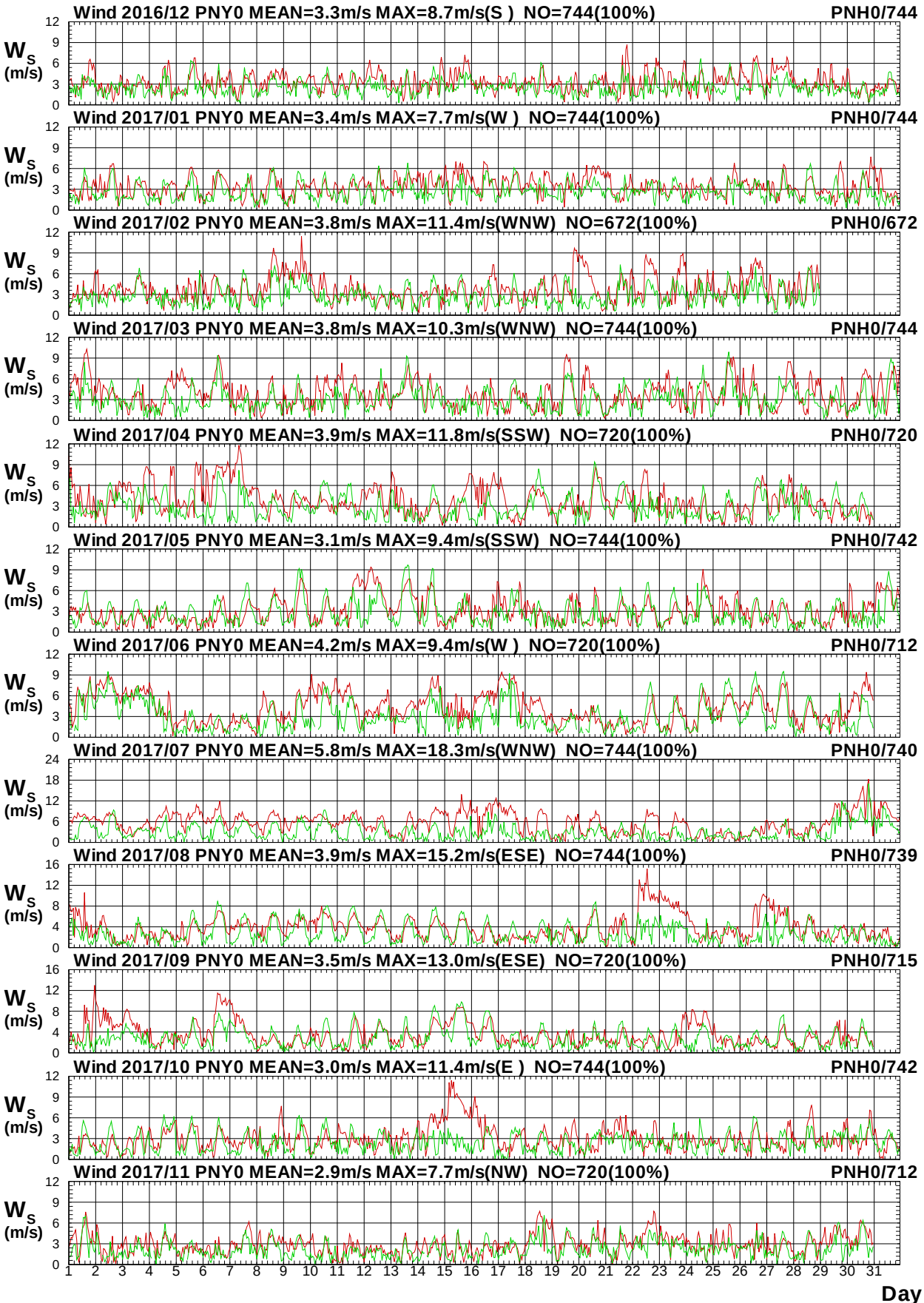

圖1.5a　2017年每月屏東海域 Y 站與 H 站風速比較圖

W16CPNY0.1HA W16CPNH0.1H0 W171PNY0.1HA W171PNH0.1H0 W172PNY0.1HA W172PNH0.1H0
W173PNY0.1HA W173PNH0.1H0 W174PNY0.1HA W174PNH0.1H0 W175PNY0.1HA W175PNH0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

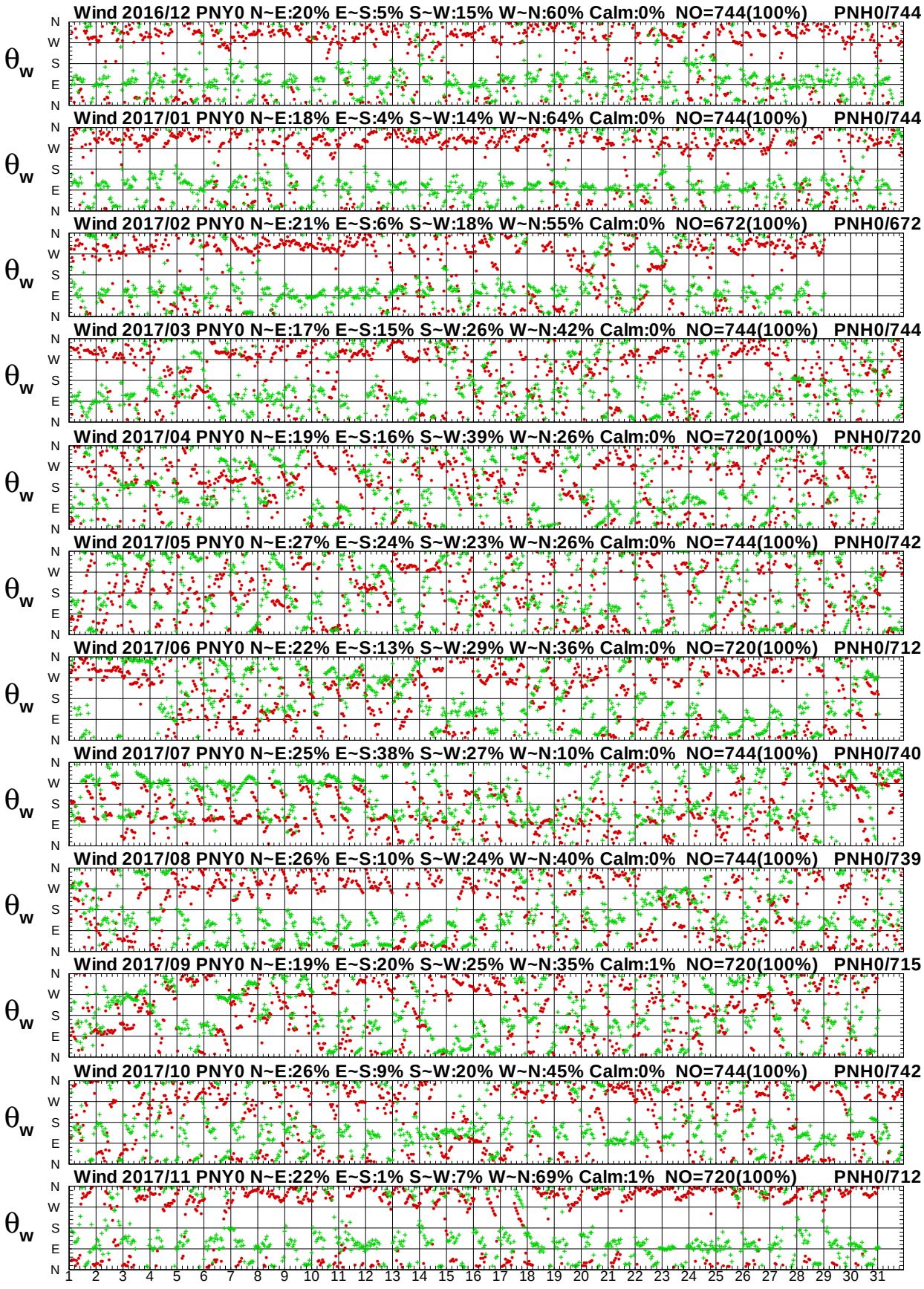

圖1.5b　2017年每月屏東海域 Y 站與 H 站風向比較圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

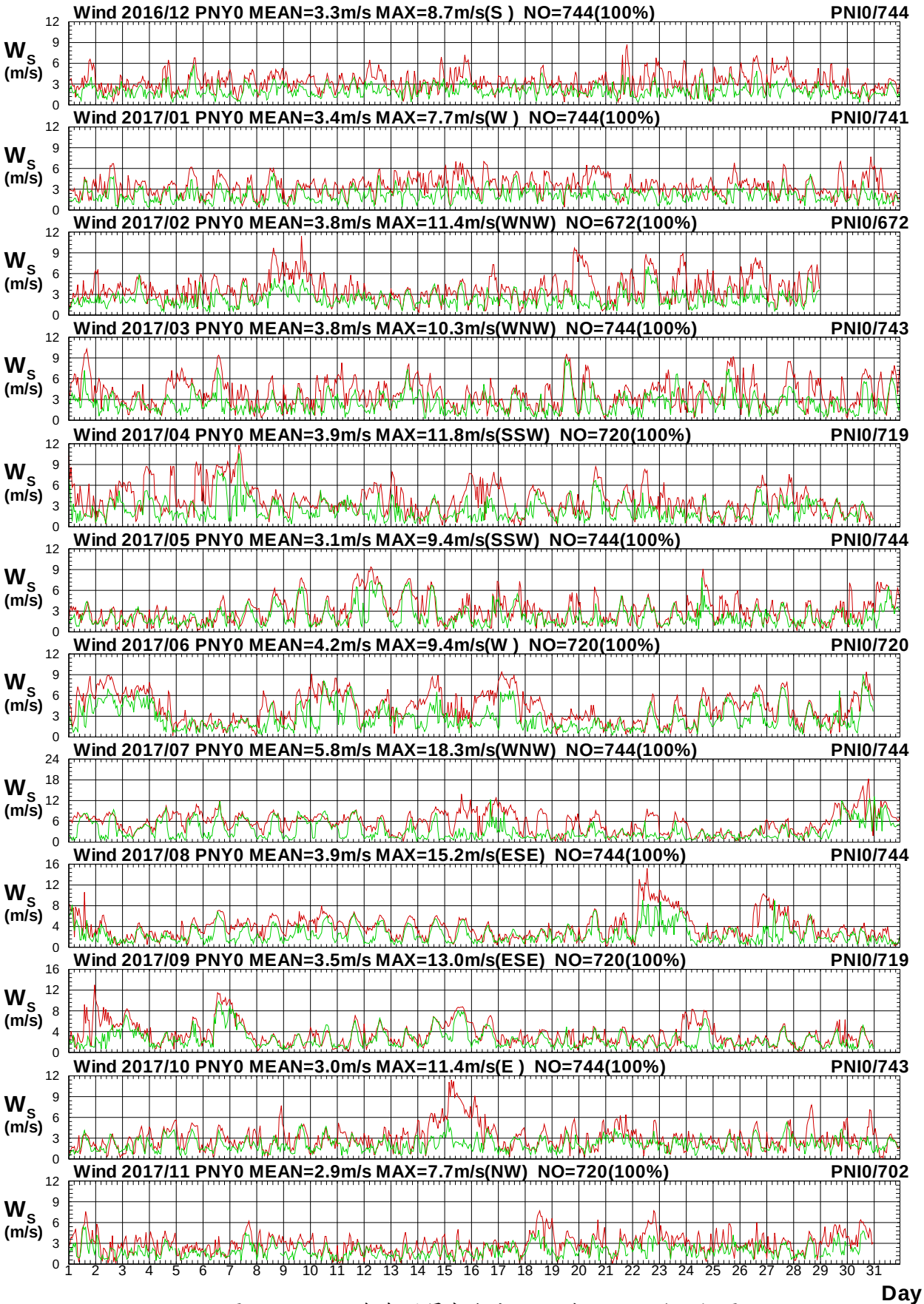

圖1.6a　2017年每月屏東海域 Y 站與 I 站風速比較圖

W16CPNY0.1HA W16CPNI0.1H0 W171PNY0.1HA W171PNI0.1H0 W172PNY0.1HA W172PNI0.1H0
W173PNY0.1HA W173PNI0.1H0 W174PNY0.1HA W174PNI0.1H0 W175PNY0.1HA W175PNI0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

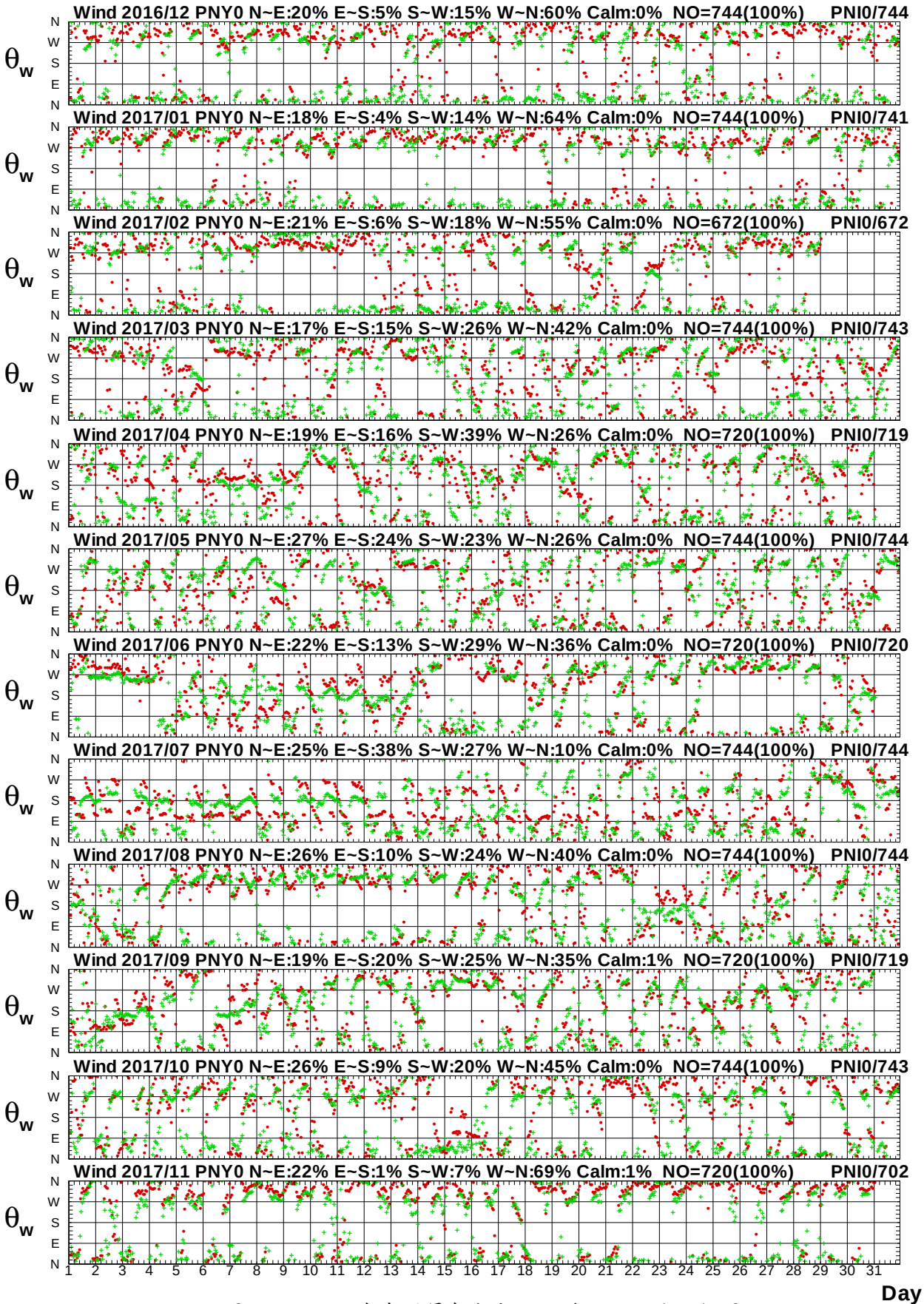

圖1.6b　2017年每月屏東海域 Y 站與 I 站風向比較圖

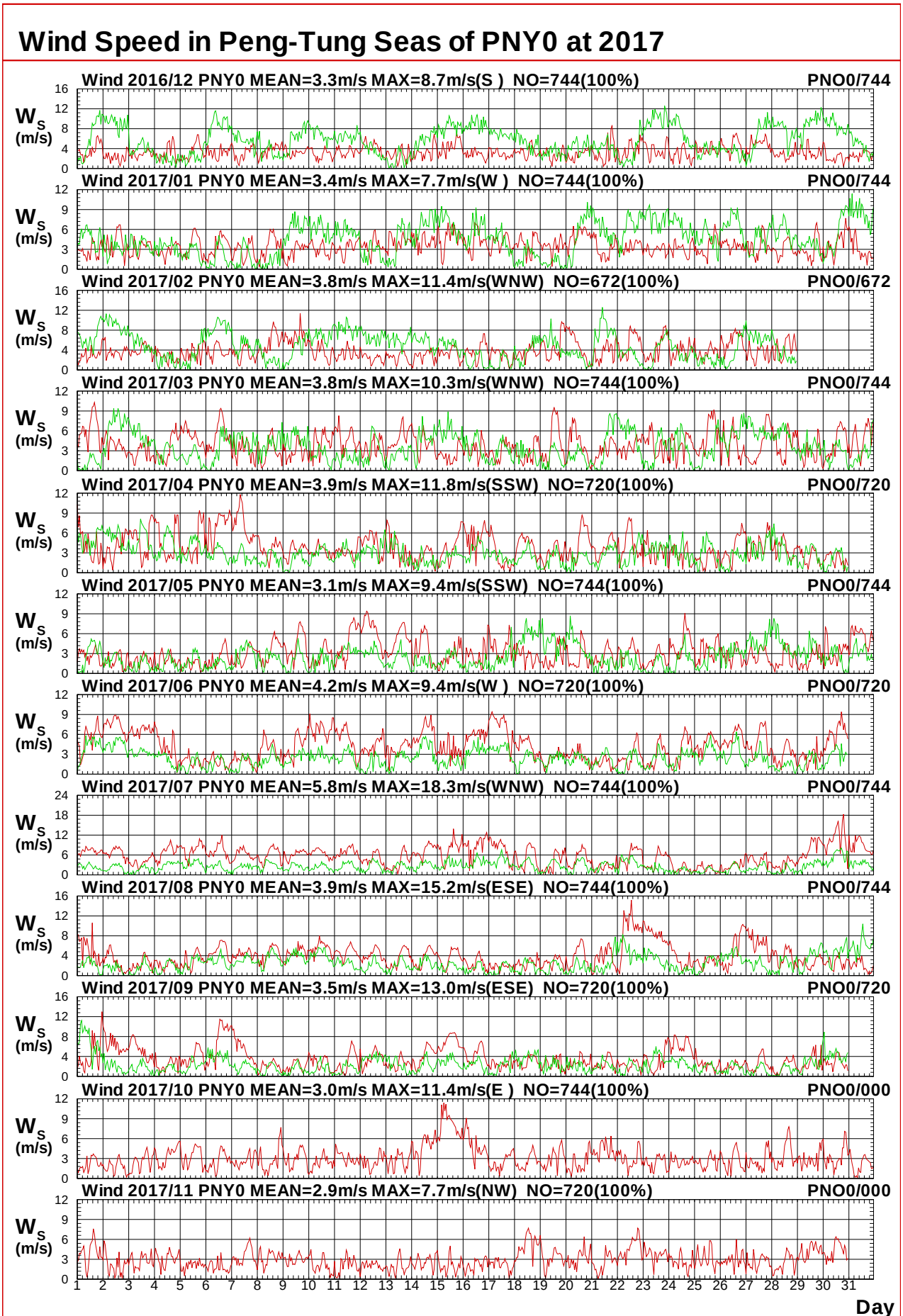

圖1.7a　2017年每月屏東海域 Y 站與 O 站風速比較圖

W16CPNY0.1HA W16CPNO0.1H0 W171PNY0.1HA W171PNO0.1H0 W172PNY0.1HA W172PNO0.1H0
W173PNY0.1HA W173PNO0.1H0 W174PNY0.1HA W174PNO0.1H0 W175PNY0.1HA W175PNO0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

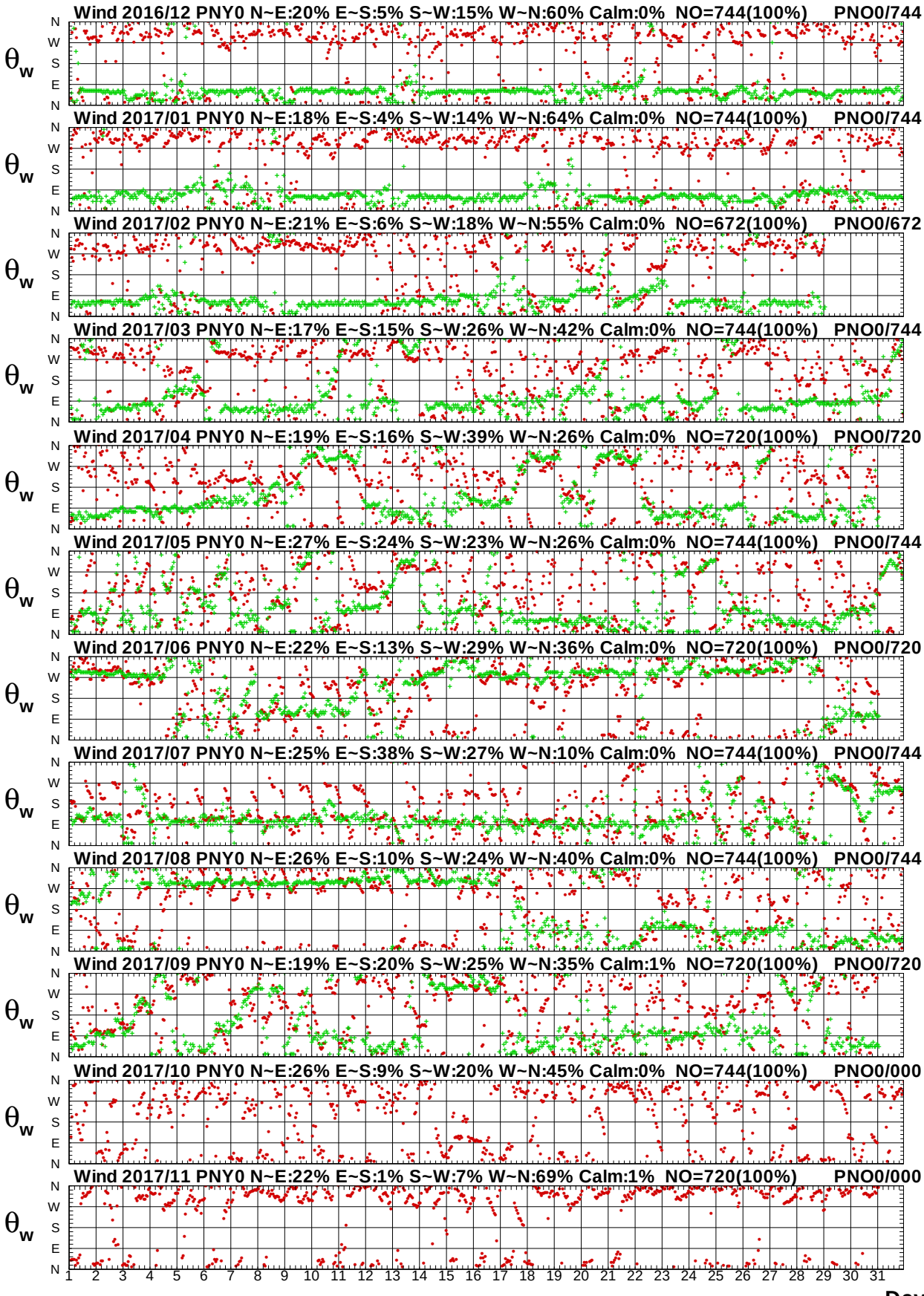

圖1.7b　2017年每月屏東海域 Y 站與 O 站風向比較圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

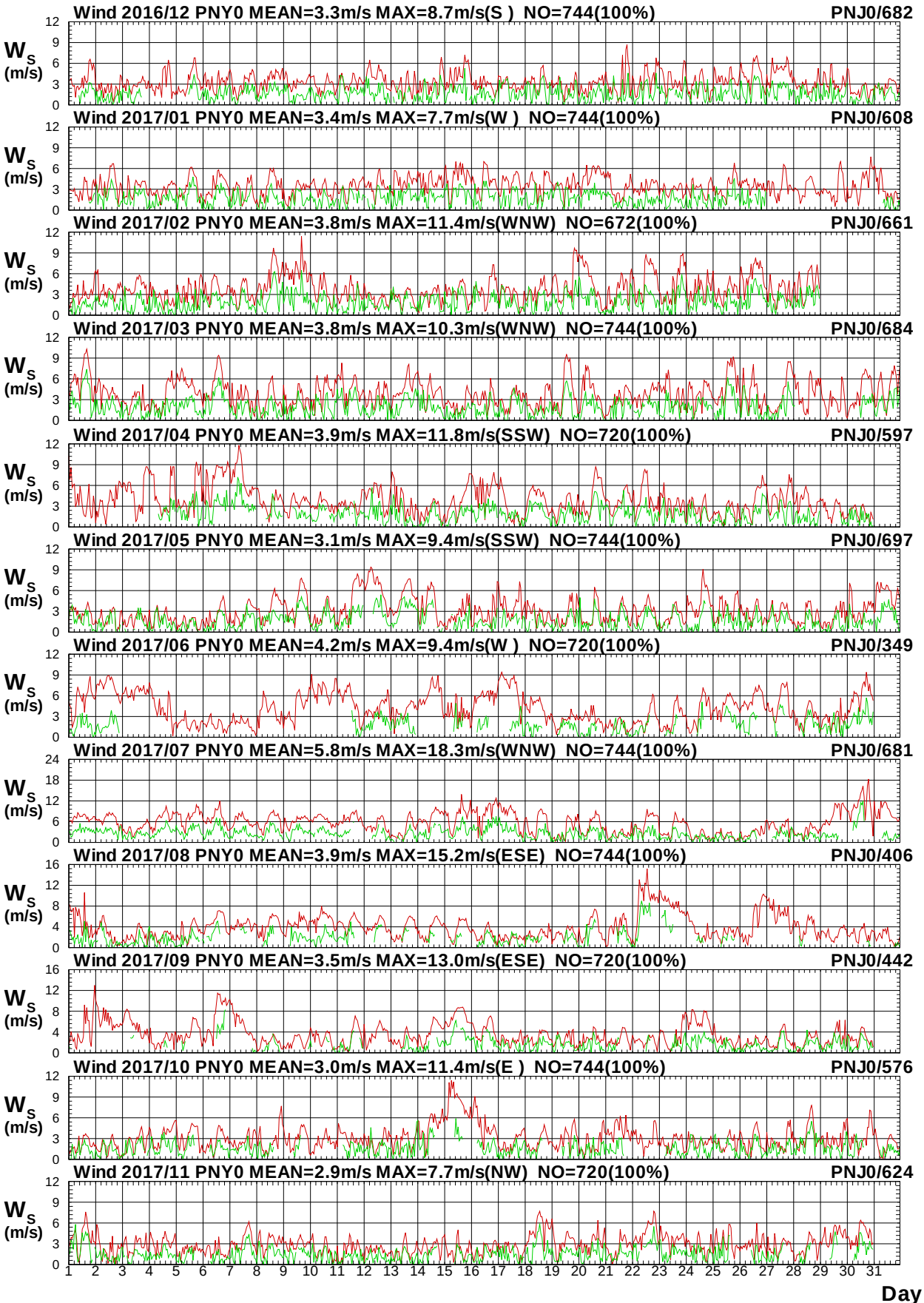

圖1.8a　2017年每月屏東海域 Y 站與 J 站風速比較圖

W16CPNY0.1HA W16CPNJ0.1H0 W171PNY0.1HA W171PNJ0.1H0 W172PNY0.1HA W172PNJ0.1H0
W173PNY0.1HA W173PNJ0.1H0 W174PNY0.1HA W174PNJ0.1H0 W175PNY0.1HA W175PNJ0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

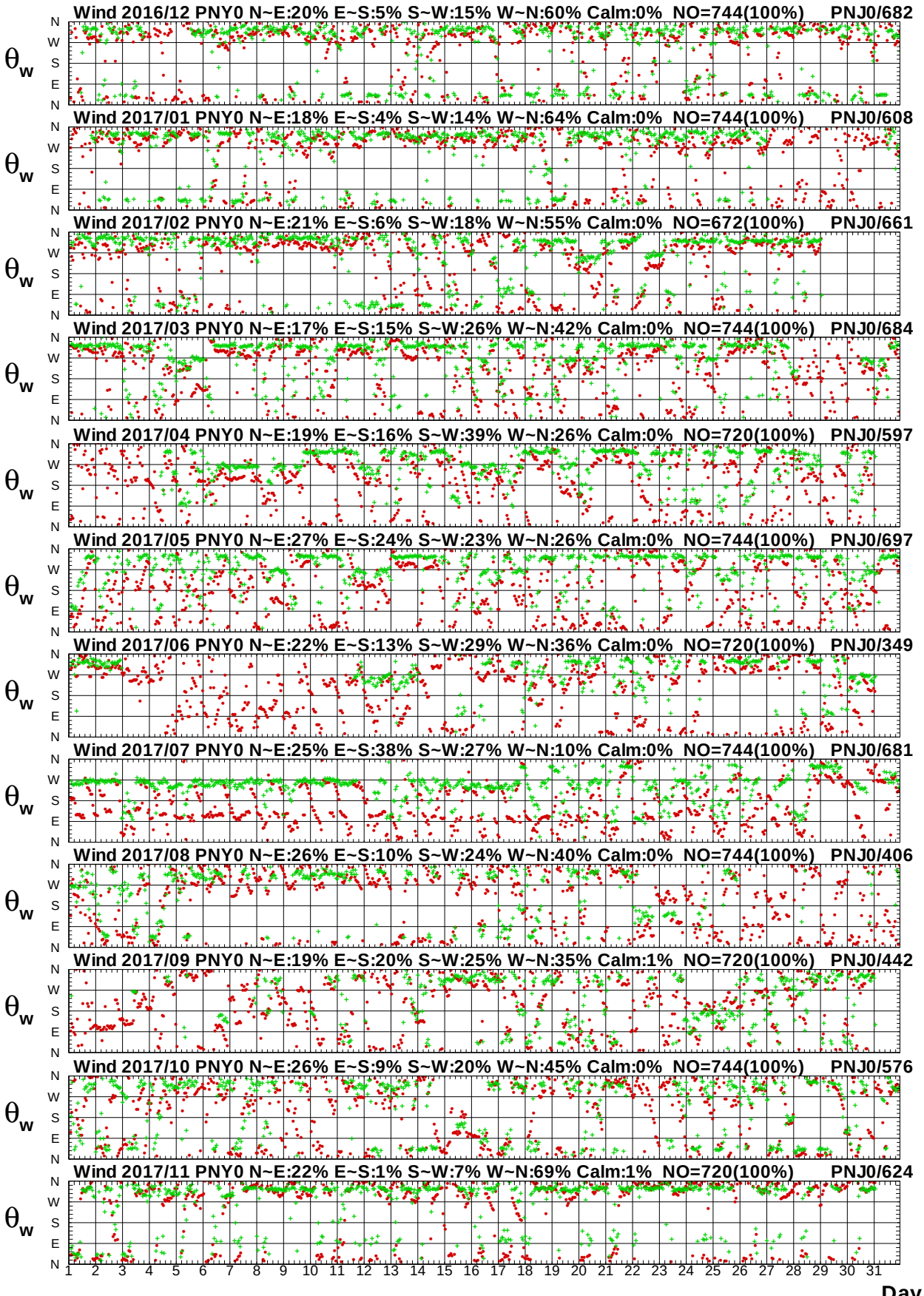

圖1.8b　2017年每月屏東海域 Y 站與 J 站風向比較圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

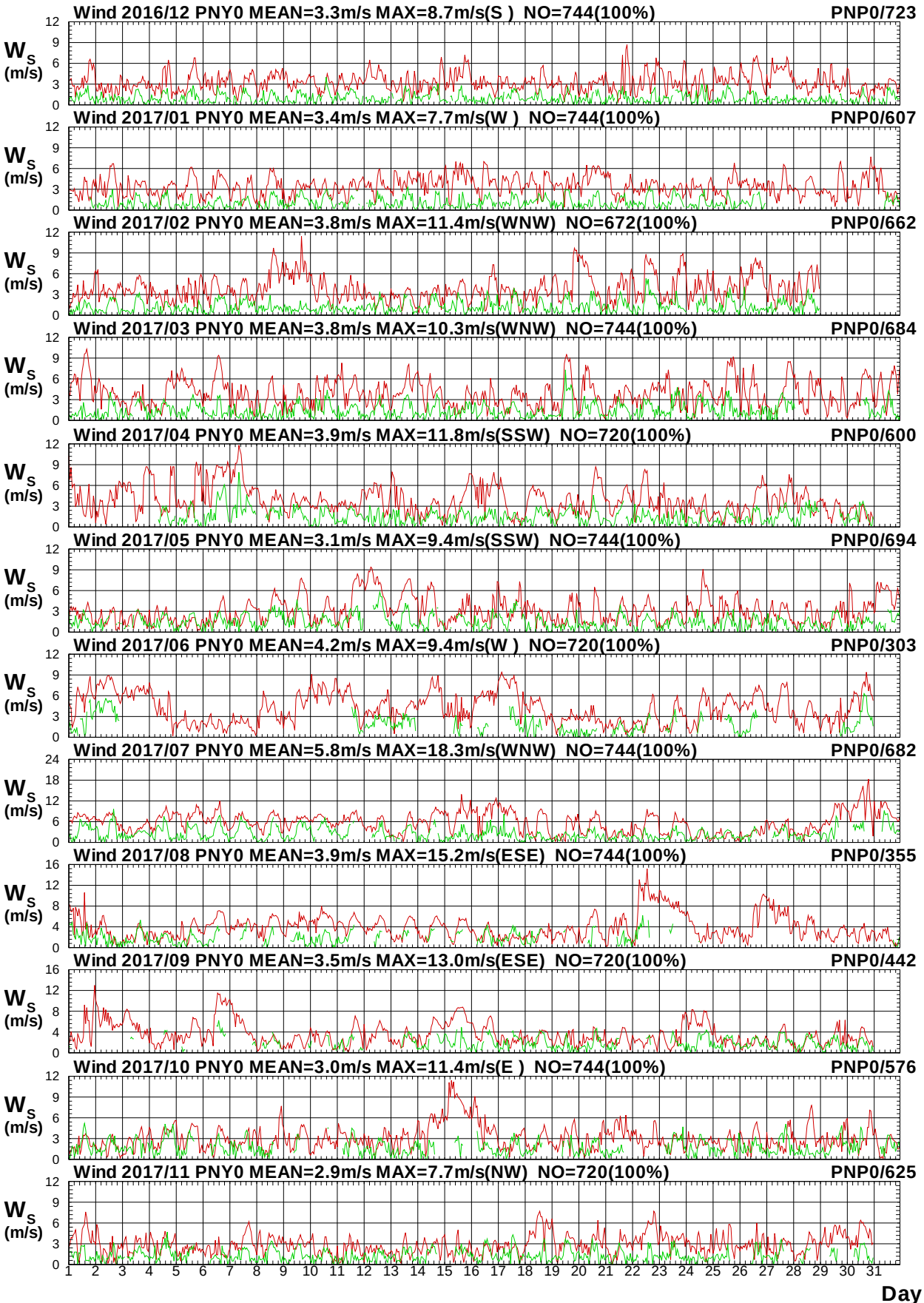

圖1.9a　2017年每月屏東海域 Y 站與 P 站風速比較圖

W16CPNY0.1HA W16CPNP0.1H0 W171PNY0.1HA W171PNP0.1H0 W172PNY0.1HA W172PNP0.1H0
W173PNY0.1HA W173PNP0.1H0 W174PNY0.1HA W174PNP0.1H0 W175PNY0.1HA W175PNP0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

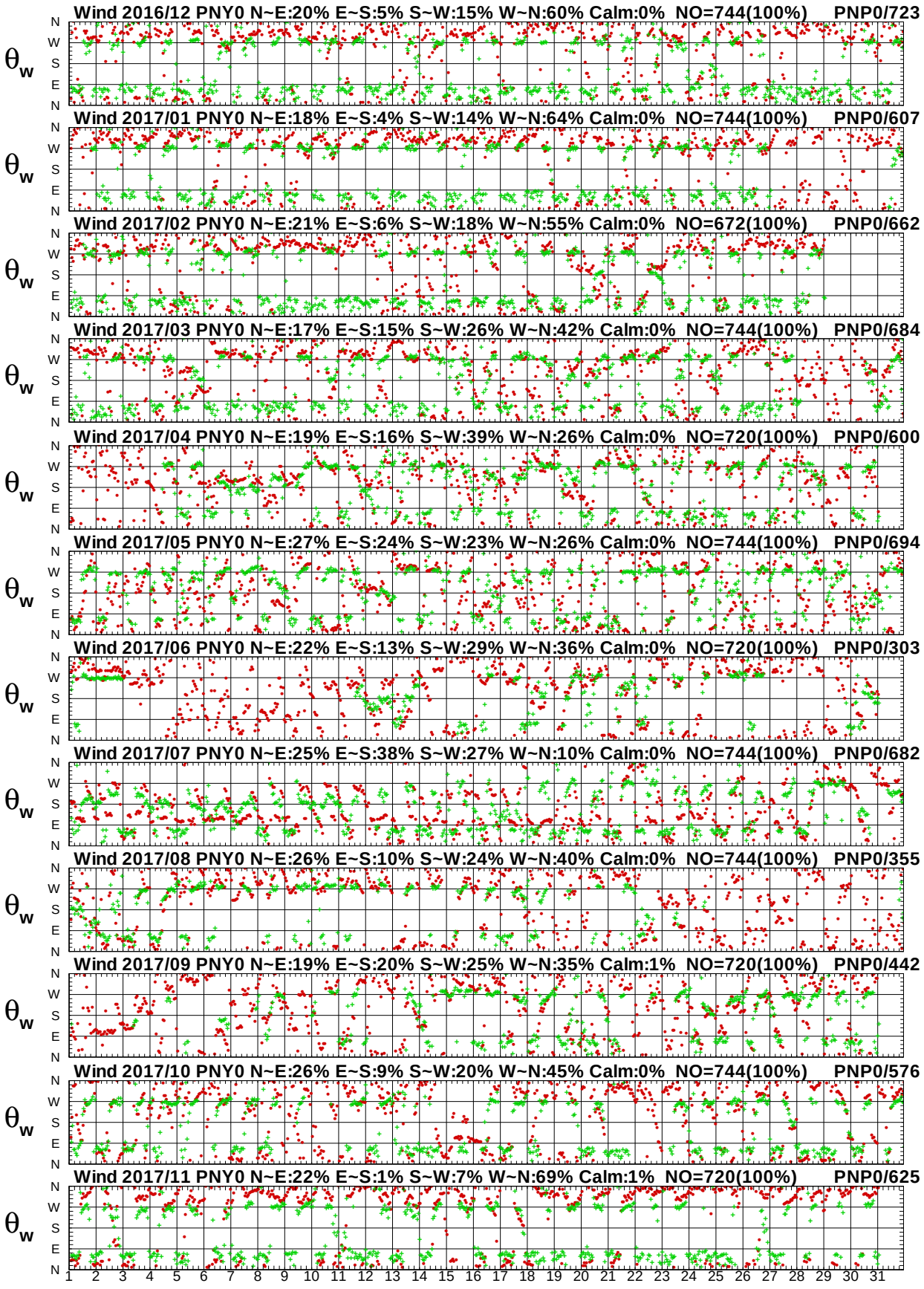

圖1.9b　2017年每月屏東海域 Y 站與 P 站風向比較圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

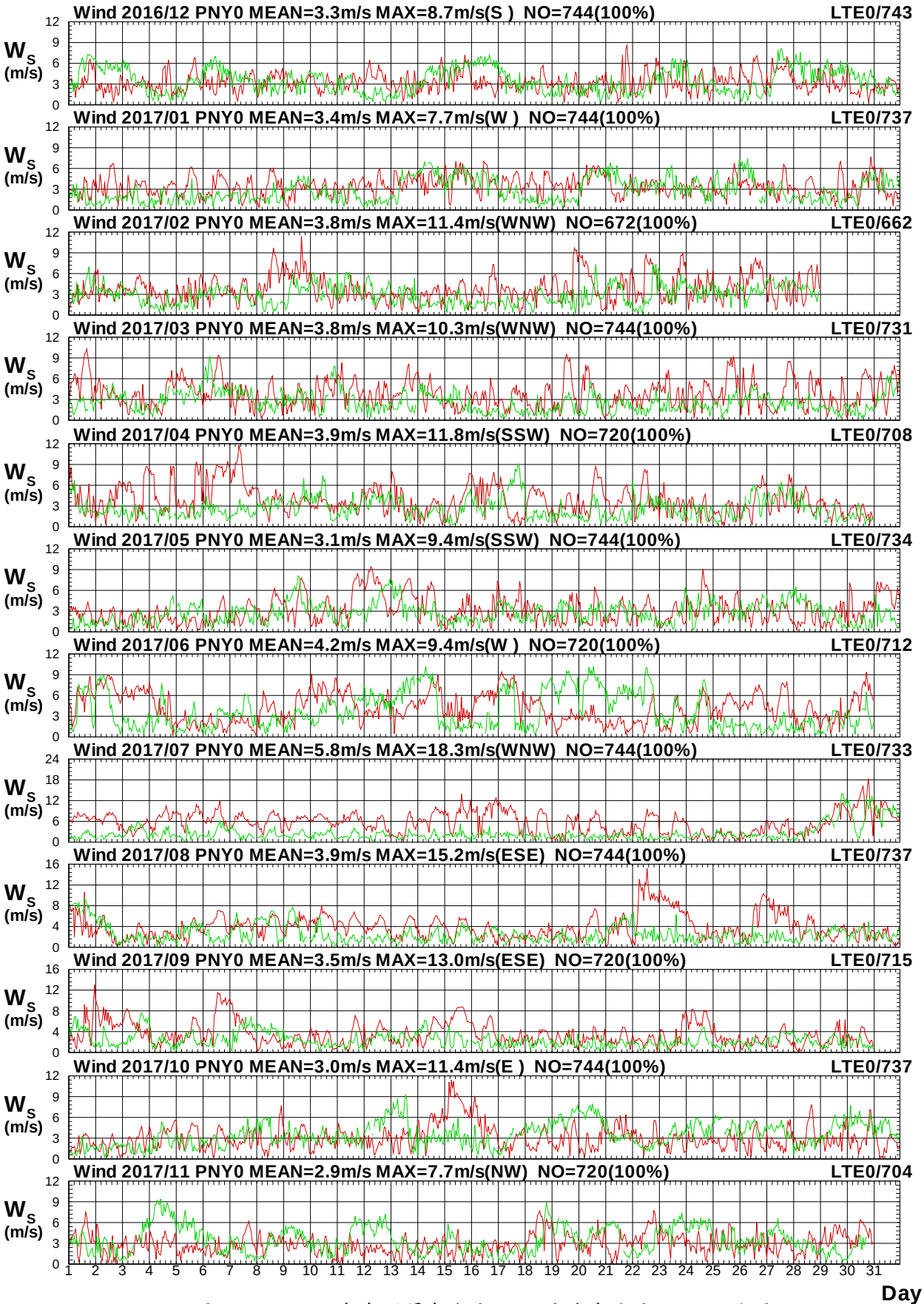

圖1.10a　2017年每月屏東海域 Y 站與臺東海域 E 站風速圖

W16CPNY0.1HA W16CLTE0.1H0 W171PNY0.1HA W171LTE0.1H0 W172PNY0.1HA W172LTE0.1H0
W173PNY0.1HA W173LTE0.1H0 W174PNY0.1HA W174LTE0.1H0 W175PNY0.1HA W175LTE0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

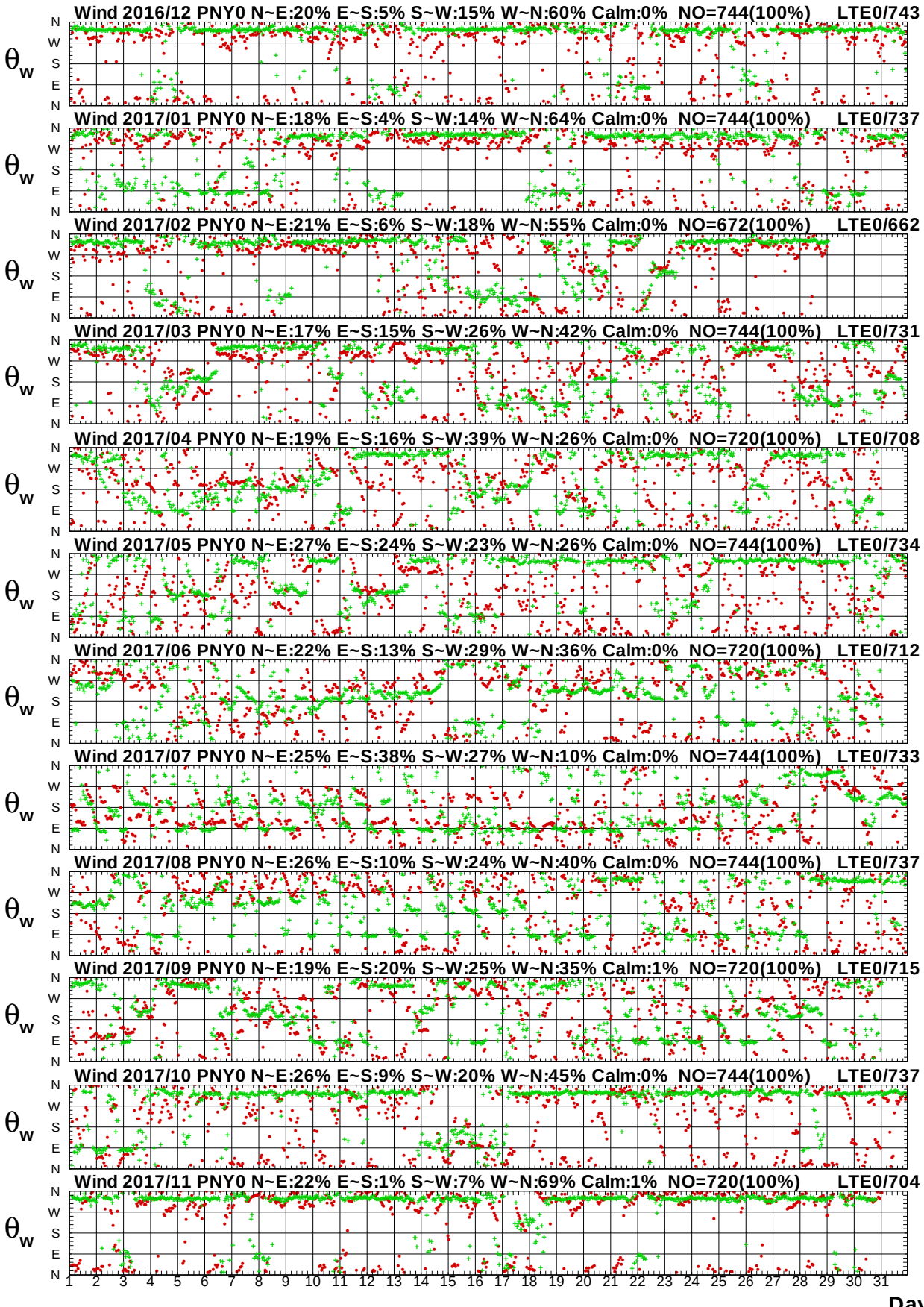

圖1.10b　2017年每月屏東海域 Y 站與臺東海域 E 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

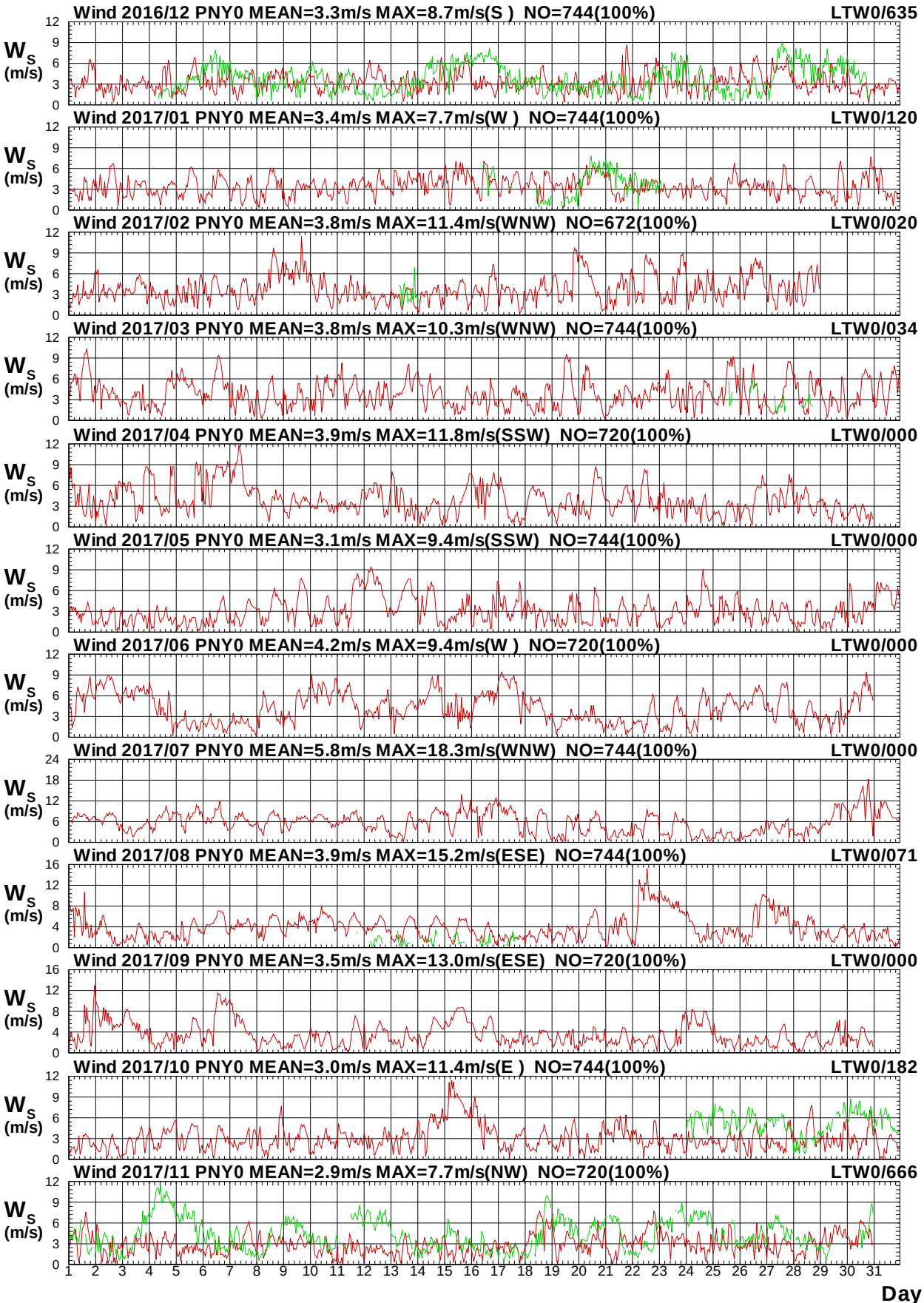

圖1.11a　2017年每月屏東海域 Y 站與臺東海域 W 站風速圖

W16CPNY0.1HA W16CLTW0.1H0 W171PNY0.1HA W171LTW0.1H0 W172PNY0.1HA W172LTW0.1H0
W173PNY0.1HA W173LTW0.1H0 W174PNY0.1HA W174LTW0.1H0 W175PNY0.1HA W175LTW0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

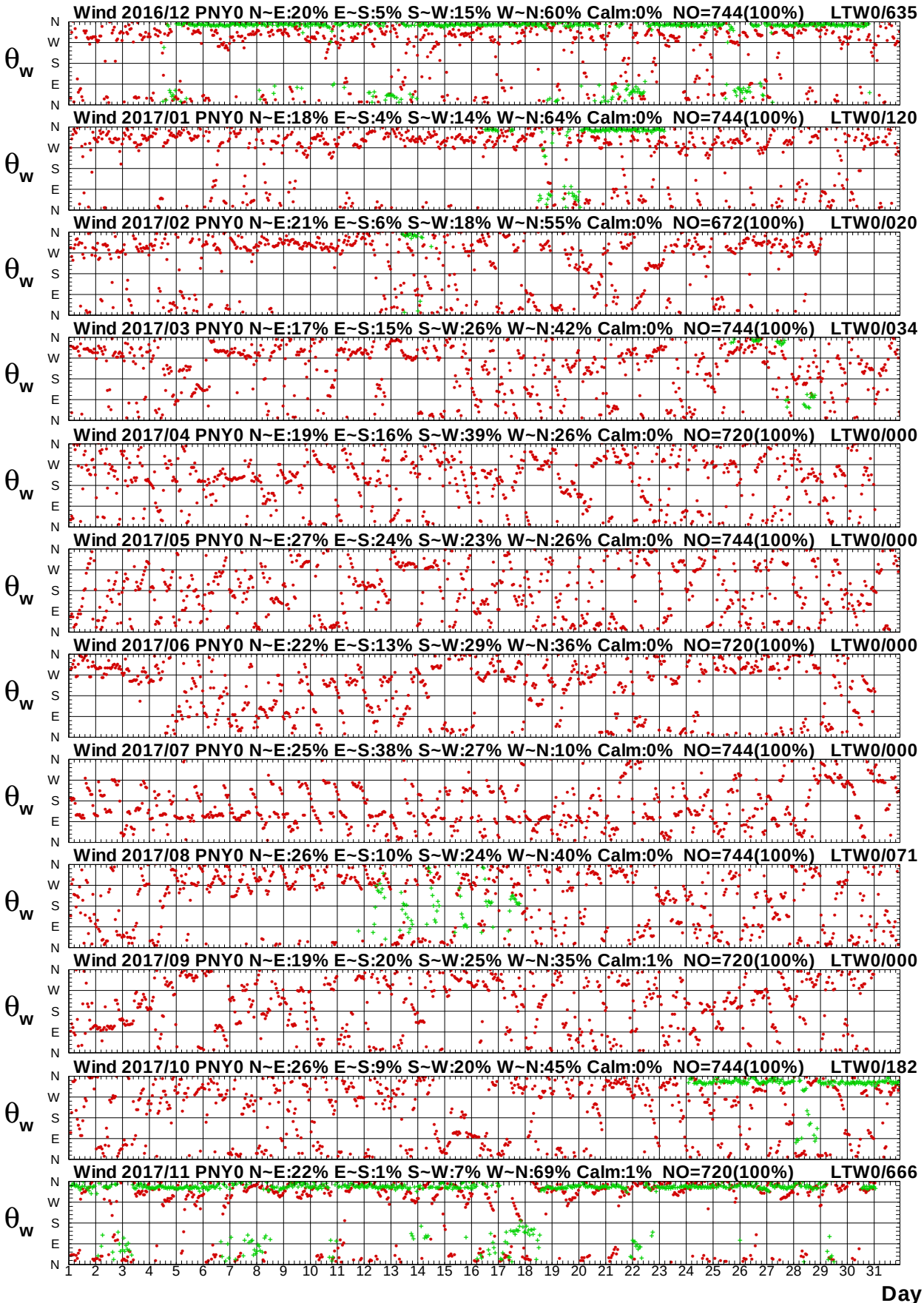

圖1.11b　2017年每月屏東海域 Y 站與臺東海域 W 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

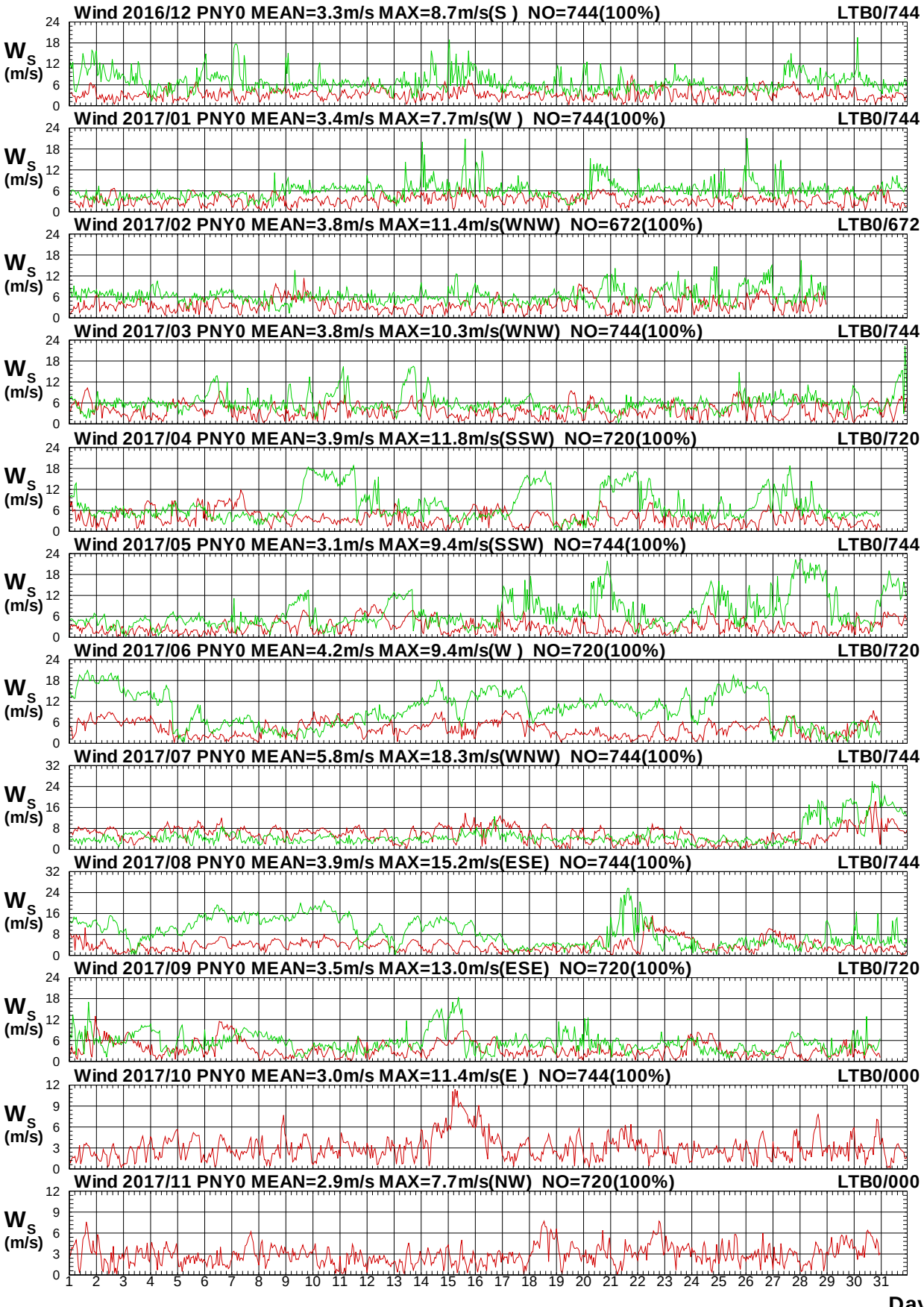

圖1.12a　2017年每月屏東海域 Y 站與臺東海域 B 站風速圖

W16CPNY0.1HA W16CLTB0.1H0 W171PNY0.1HA W171LTB0.1H0 W172PNY0.1HA W172LTB0.1H0
W173PNY0.1HA W173LTB0.1H0 W174PNY0.1HA W174LTB0.1H0 W175PNY0.1HA W175LTB0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

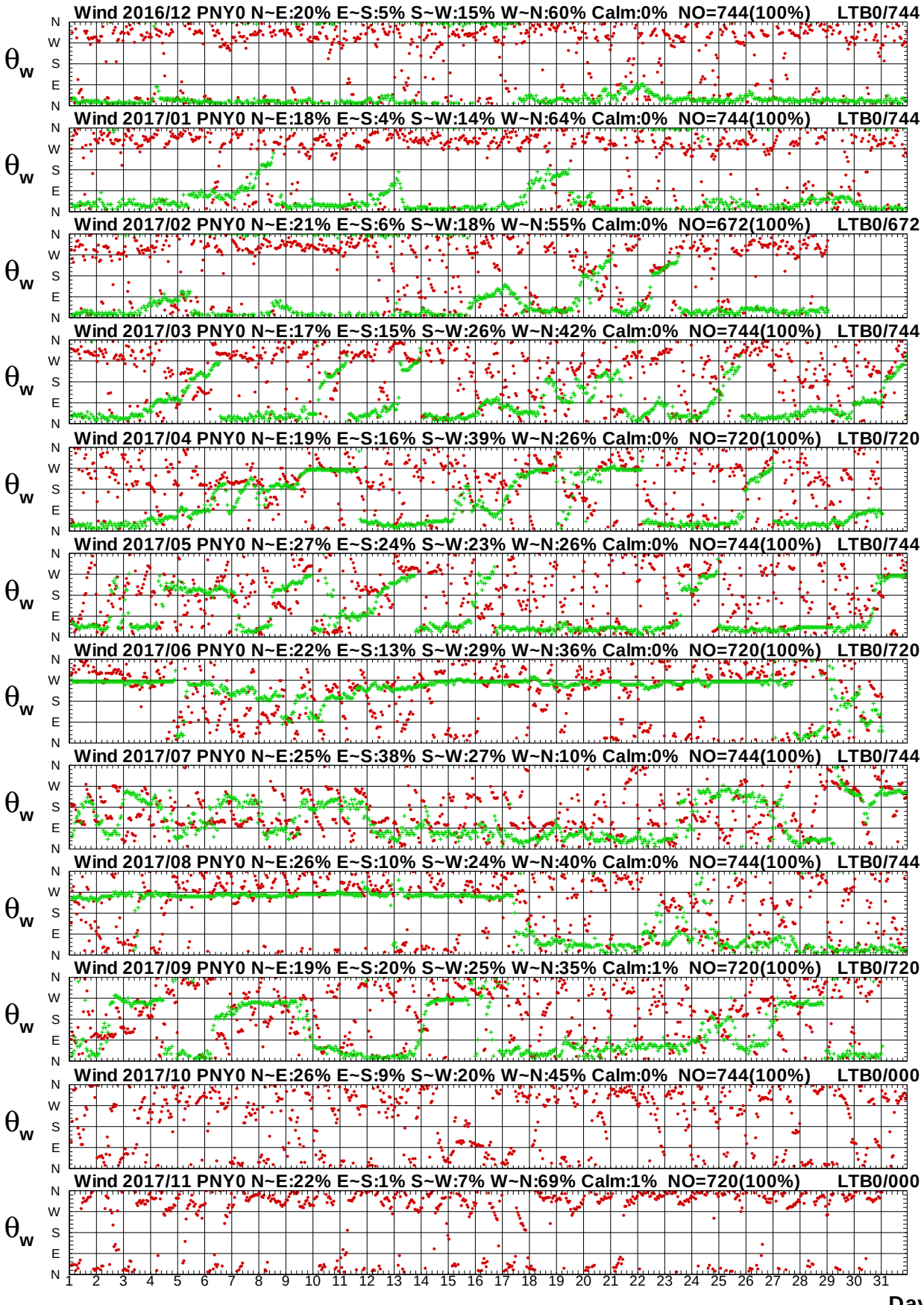

圖1.12b　2017年每月屏東海域 Y 站與臺東海域 B 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

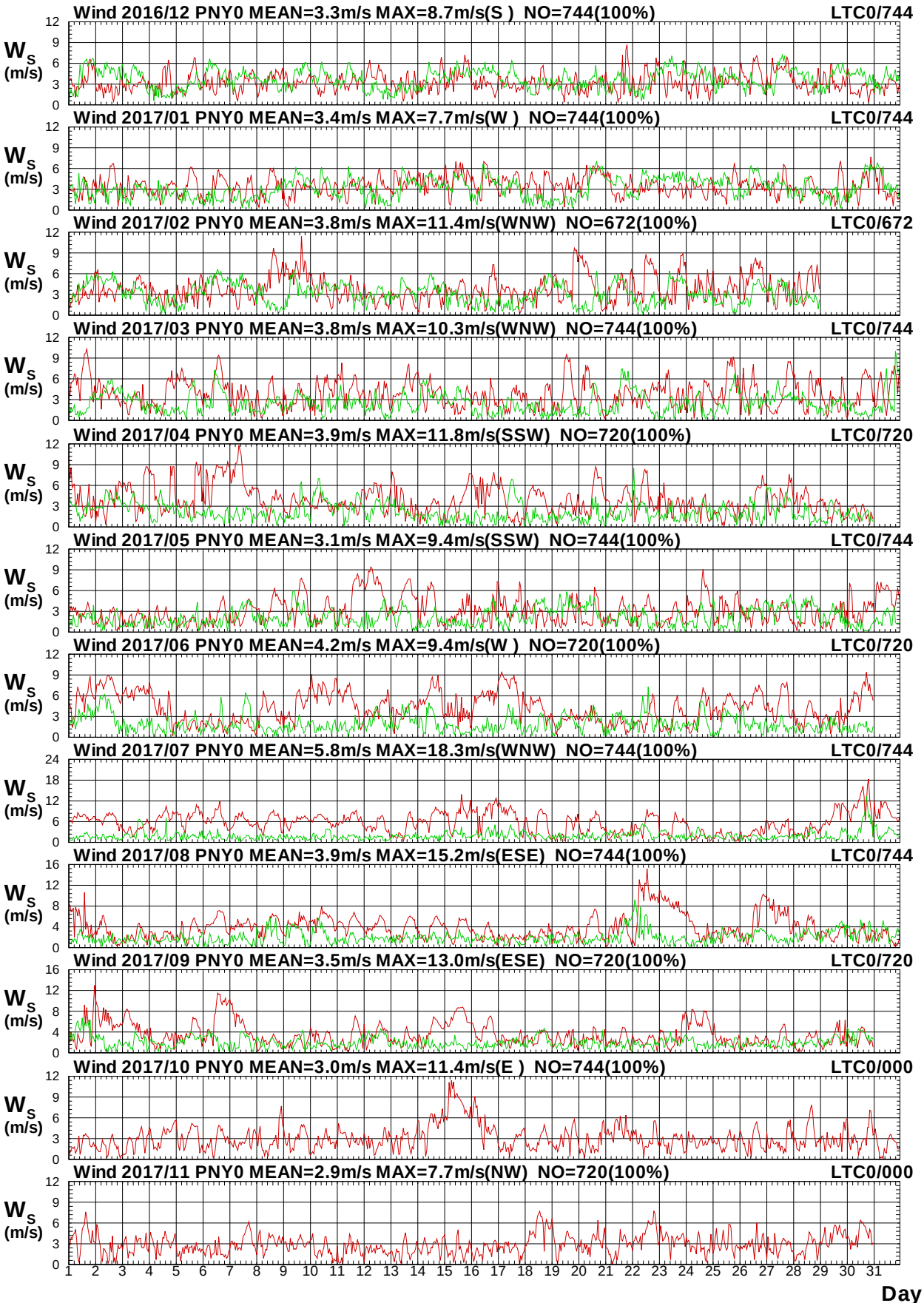

圖1.13a　2017年每月屏東海域 Y 站與臺東海域 C 站風速圖

W16CPNY0.1HA W16CLTC0.1H0 W171PNY0.1HA W171LTC0.1H0 W172PNY0.1HA W172LTC0.1H0
W173PNY0.1HA W173LTC0.1H0 W174PNY0.1HA W174LTC0.1H0 W175PNY0.1HA W175LTC0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

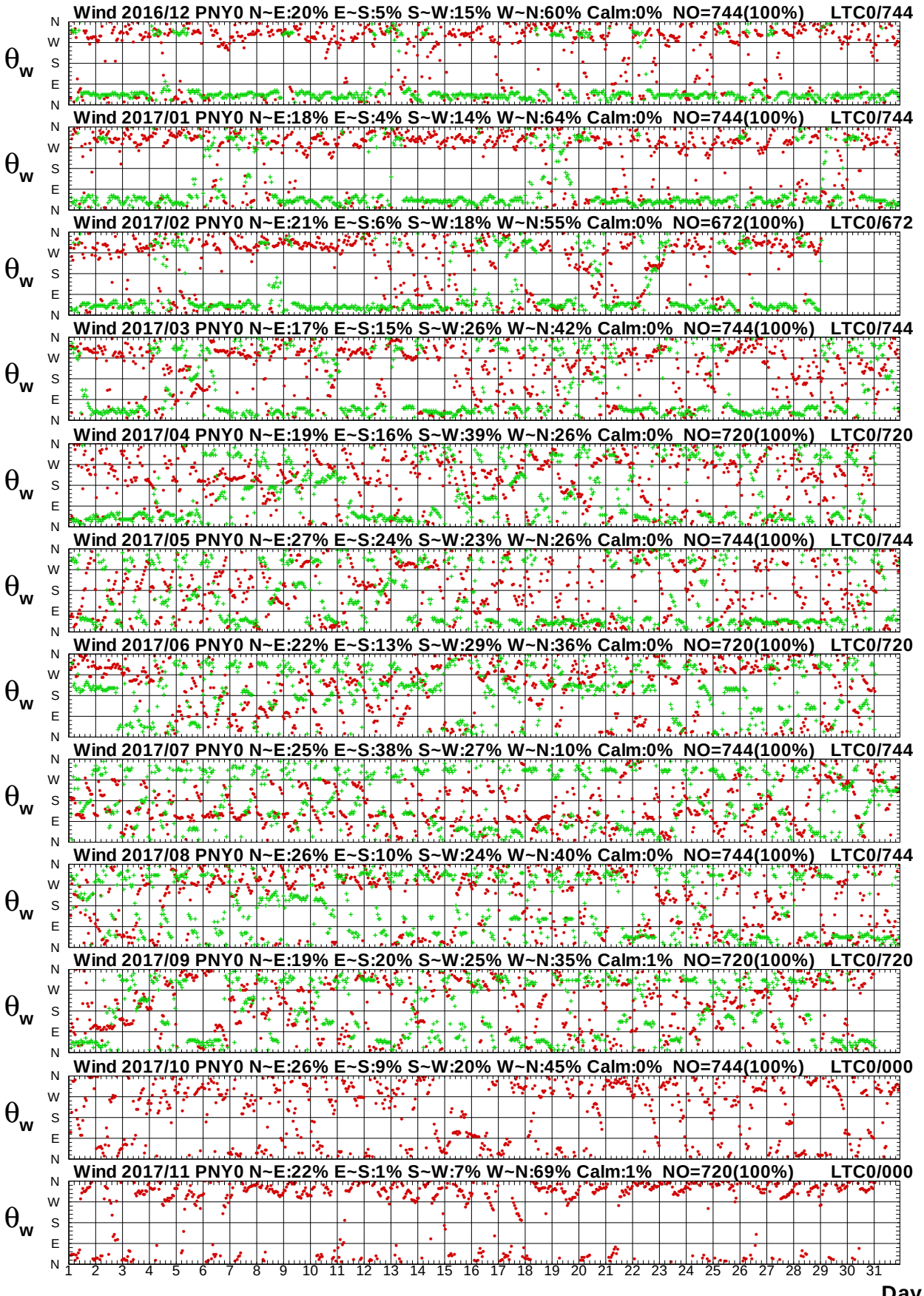

圖1.13b　2017年每月屏東海域 Y 站與臺東海域 C 站風向圖

W16CPNY0.1HA W16CLTC0.1H0 W171PNY0.1HA W171LTC0.1H0 W172PNY0.1HA W172LTC0.1H0
W173PNY0.1HA W173LTC0.1H0 W174PNY0.1HA W174LTC0.1H0 W175PNY0.1HA W175LTC0.1H0

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Wind Speed in Peng-Tung Seas of PNY0 at 2017

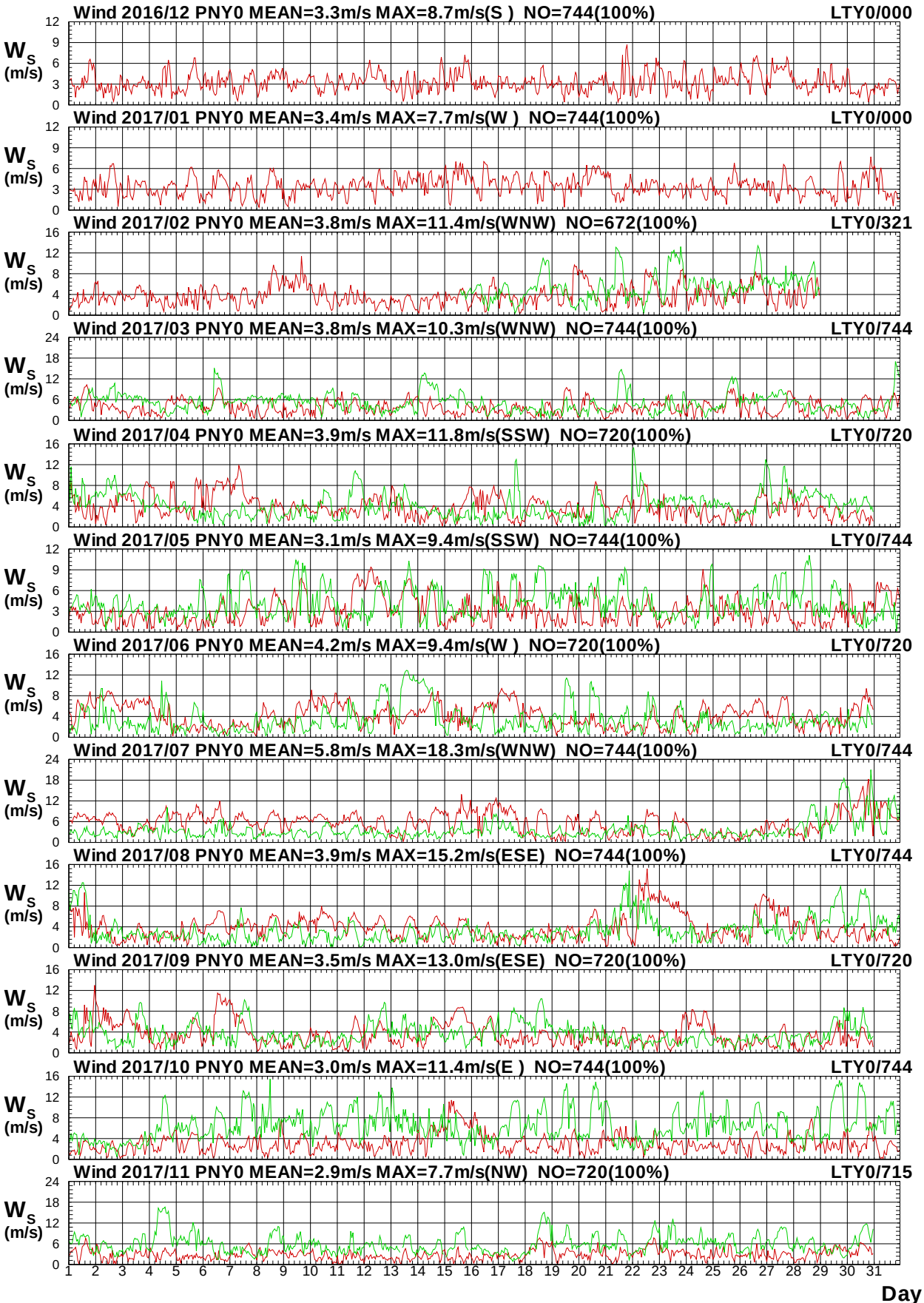

圖1.14a　2017年每月屏東海域 Y 站與臺東海域 Y 站風速圖

W16CPNY0.1HA W16CLTY0.1H0 W171PNY0.1HA W171LTY0.1H0 W172PNY0.1HA W172LTY0.1H0
W173PNY0.1HA W173LTY0.1H0 W174PNY0.1HA W174LTY0.1H0 W175PNY0.1HA W175LTY0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

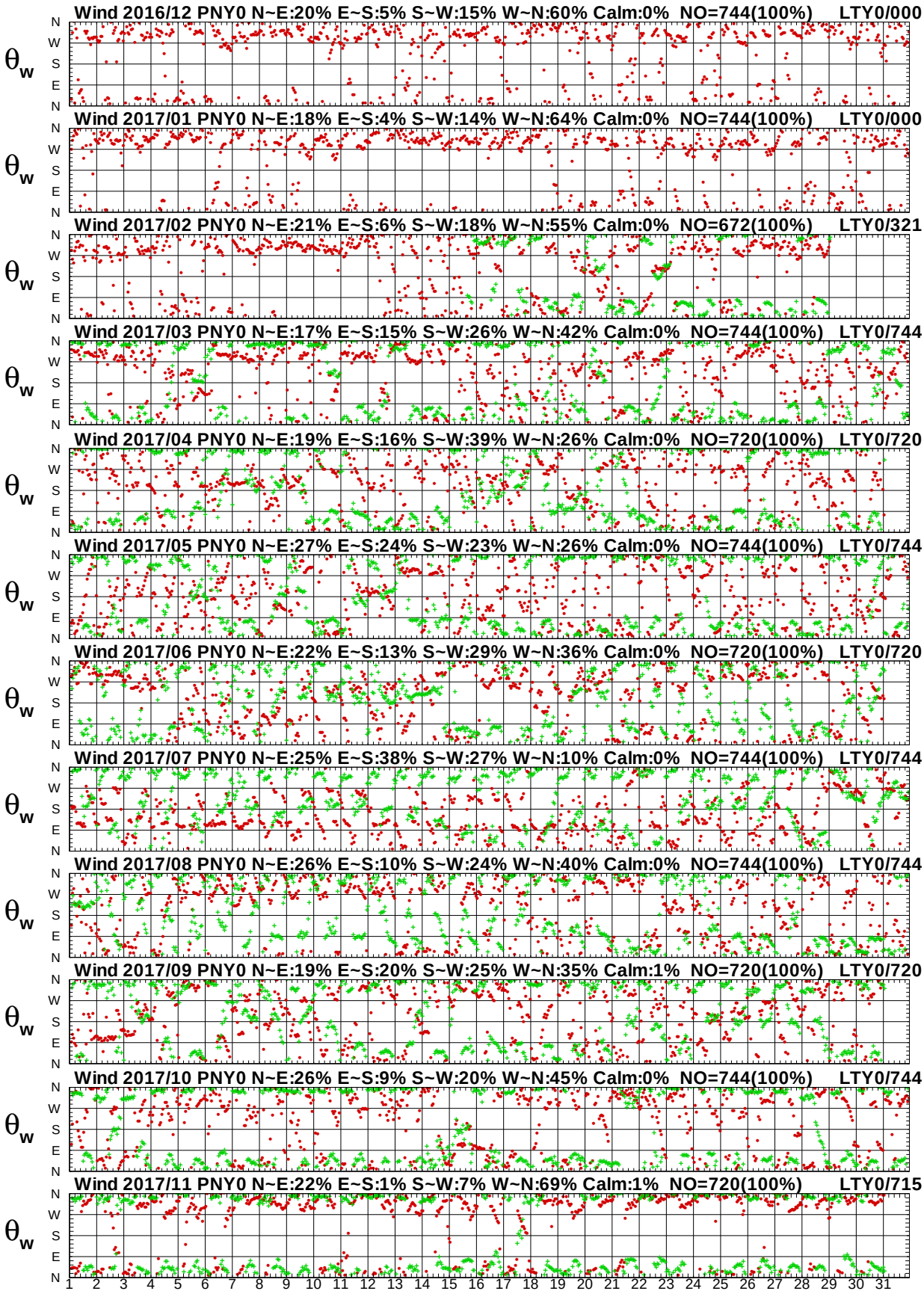

圖1.14b　2017年每月屏東海域 Y 站與臺東海域 Y 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

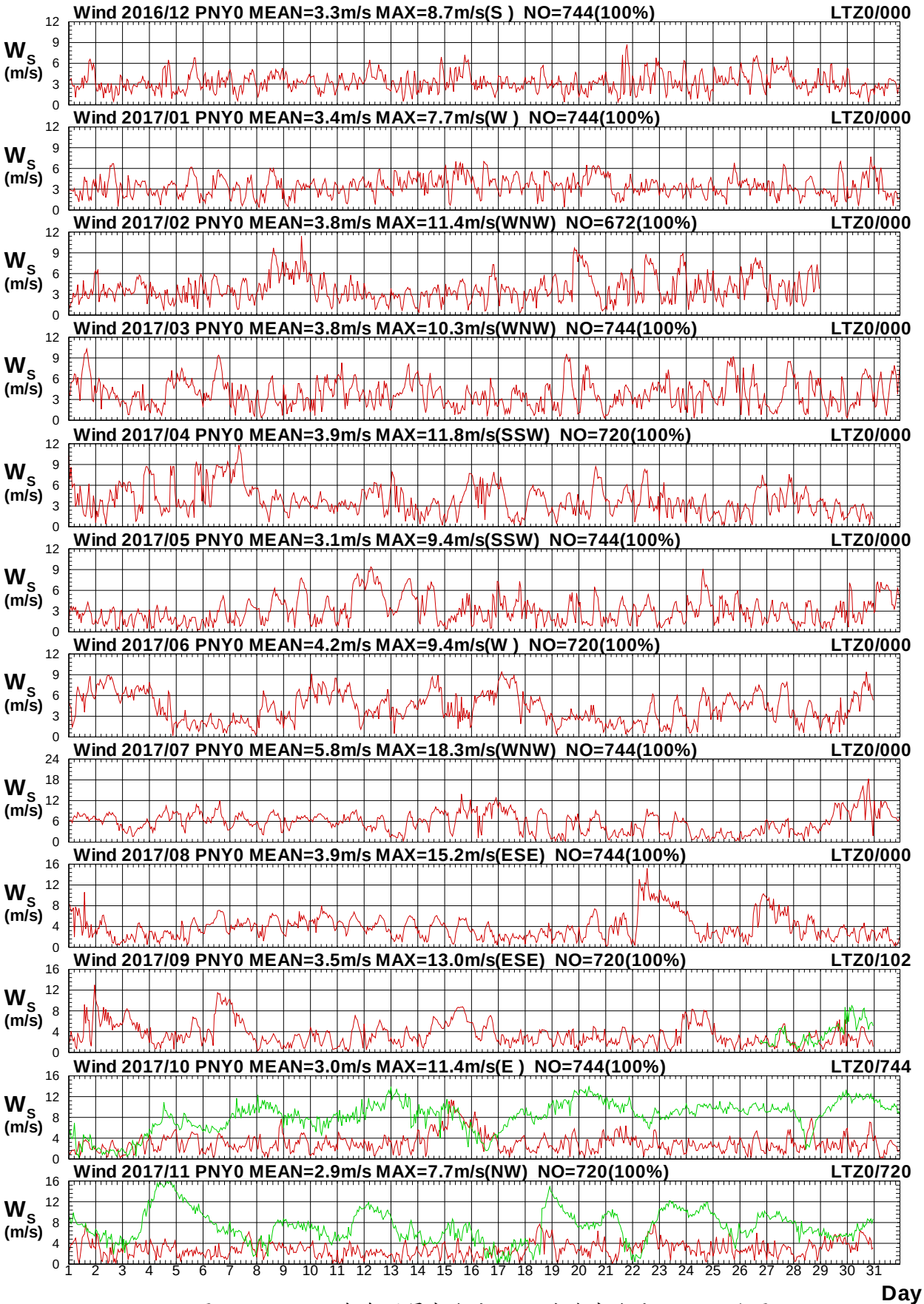

圖1.15a　2017年每月屏東海域 Y 站與臺東海域 Z 站風速圖

Wind Direction in Peng-Tung Seas of PNY0 at 2017

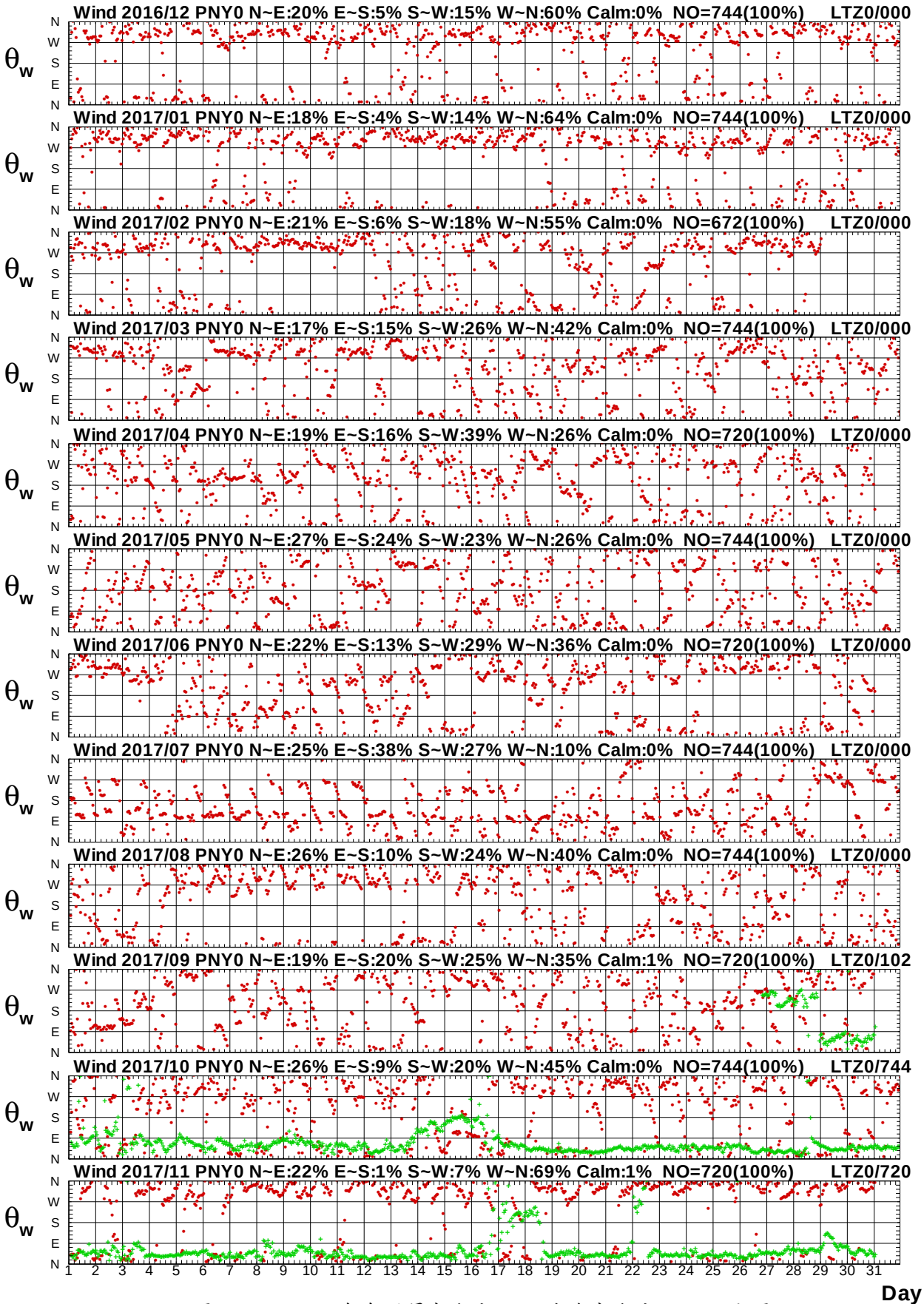

圖1.15b　2017年每月屏東海域 Y 站與臺東海域 Z 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

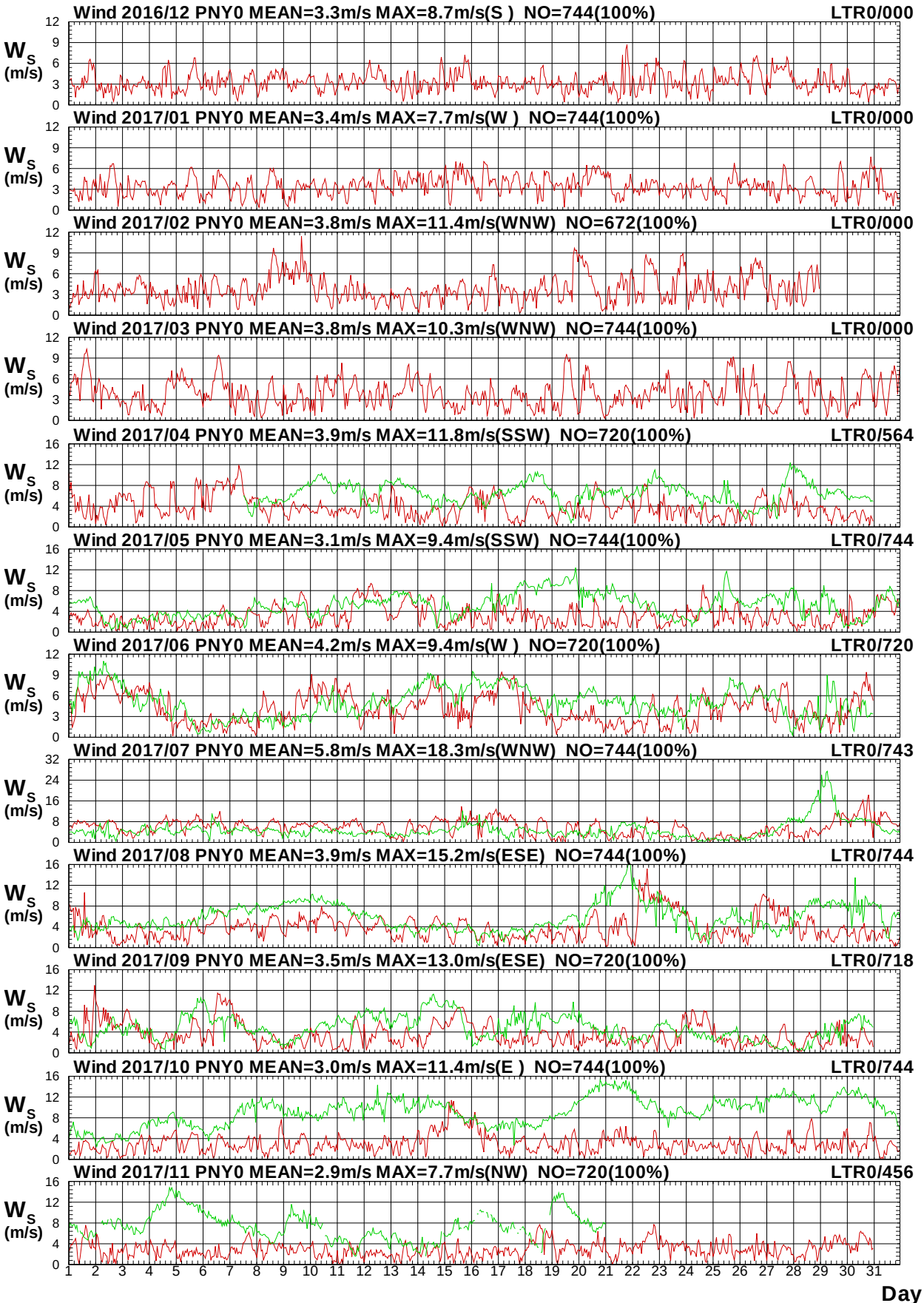

圖1.16a　2017年每月屏東海域 Y 站與臺東海域 R 站風速圖

W16CPNY0.1HA W16CLTR0.1H0 W171PNY0.1HA W171LTR0.1H0 W172PNY0.1HA W172LTR0.1H0
W173PNY0.1HA W173LTR0.1H0 W174PNY0.1HA W174LTR0.1H0 W175PNY0.1HA W175LTR0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

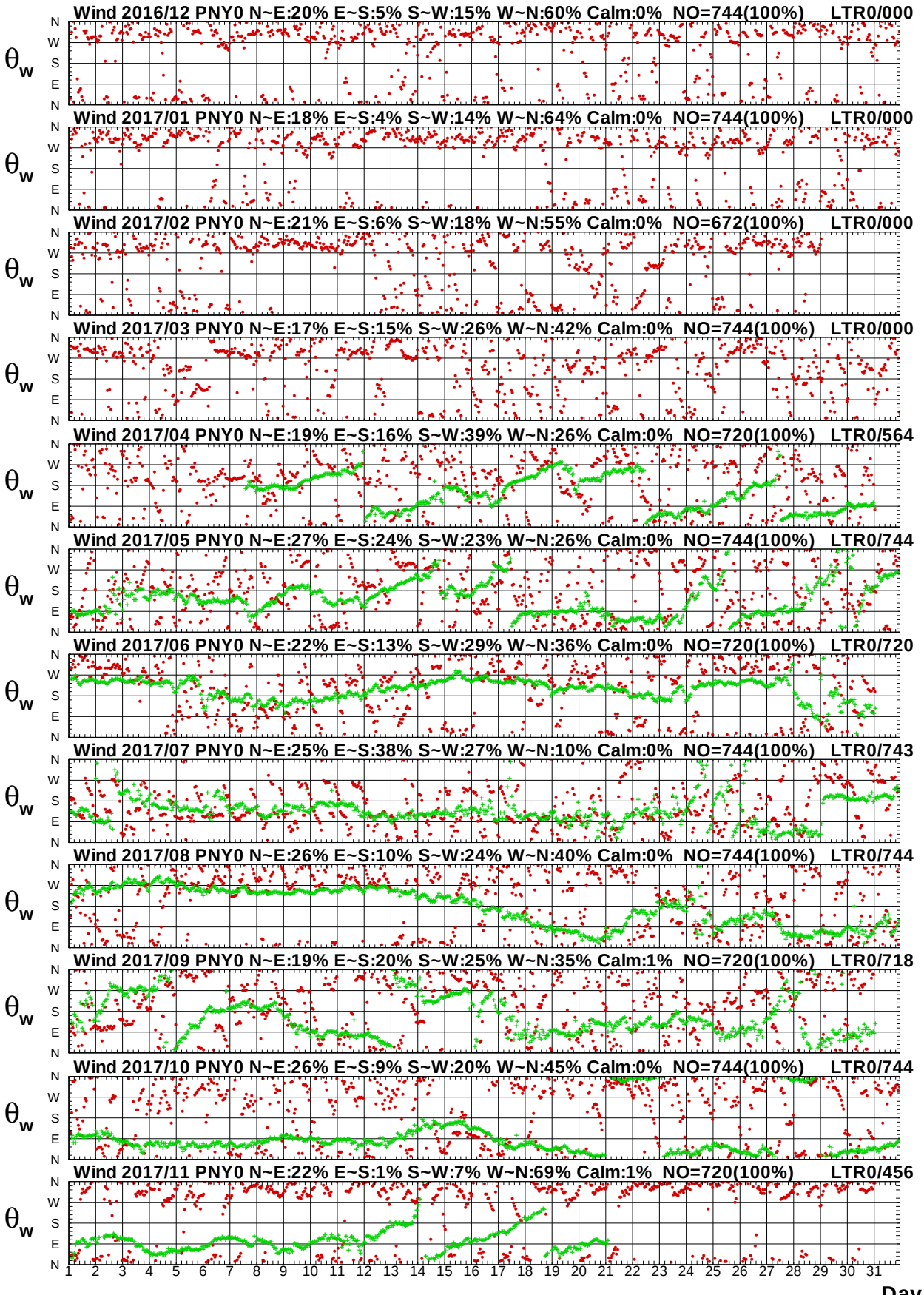

圖1.16b　2017年每月屏東海域 Y 站與臺東海域 R 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

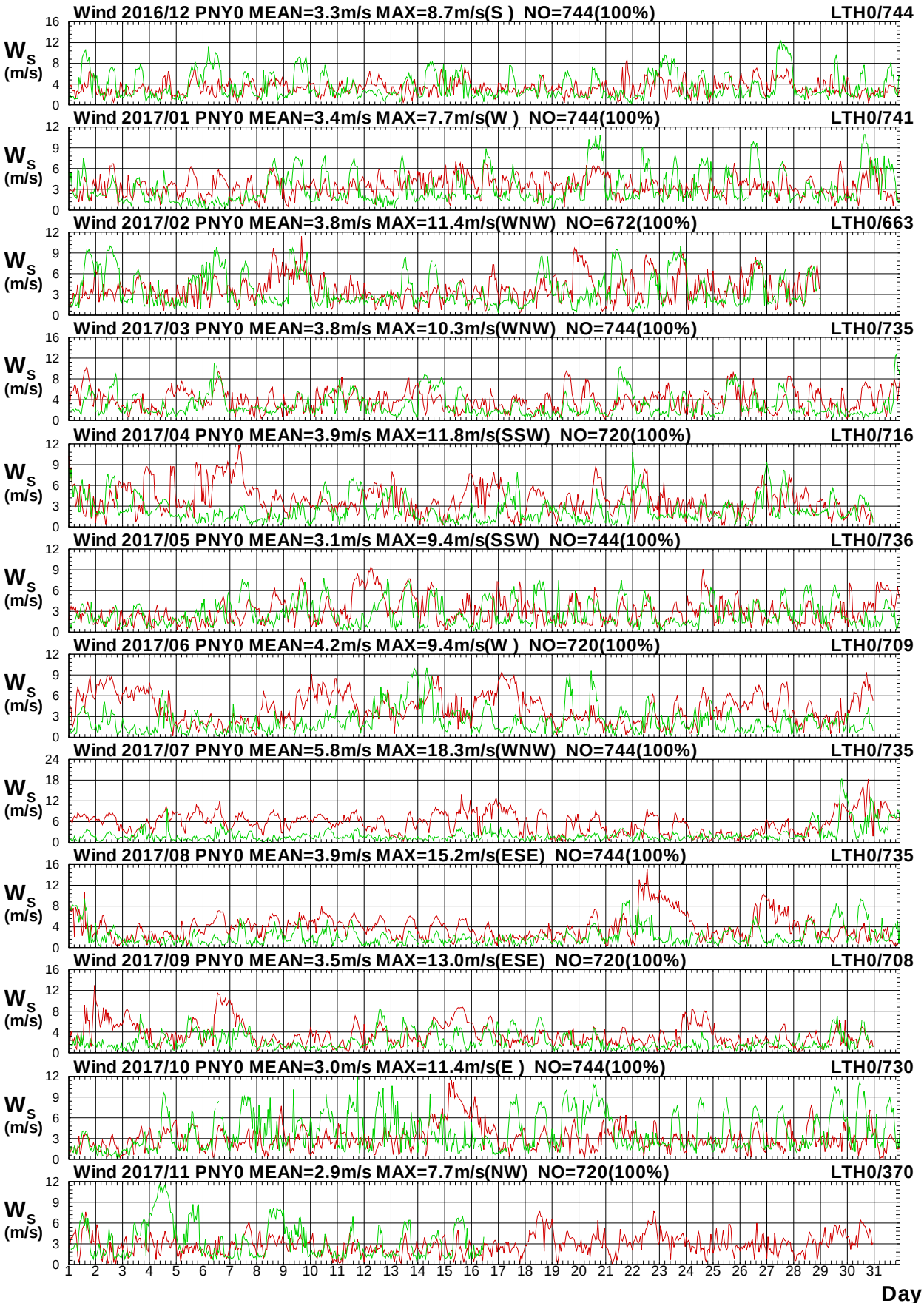

圖1.17a　2017年每月屏東海域 Y 站與臺東海域 H 站風速圖

W16CPNY0.1HA W16CLTH0.1H0 W171PNY0.1HA W171LTH0.1H0 W172PNY0.1HA W172LTH0.1H0
W173PNY0.1HA W173LTH0.1H0 W174PNY0.1HA W174LTH0.1H0 W175PNY0.1HA W175LTH0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

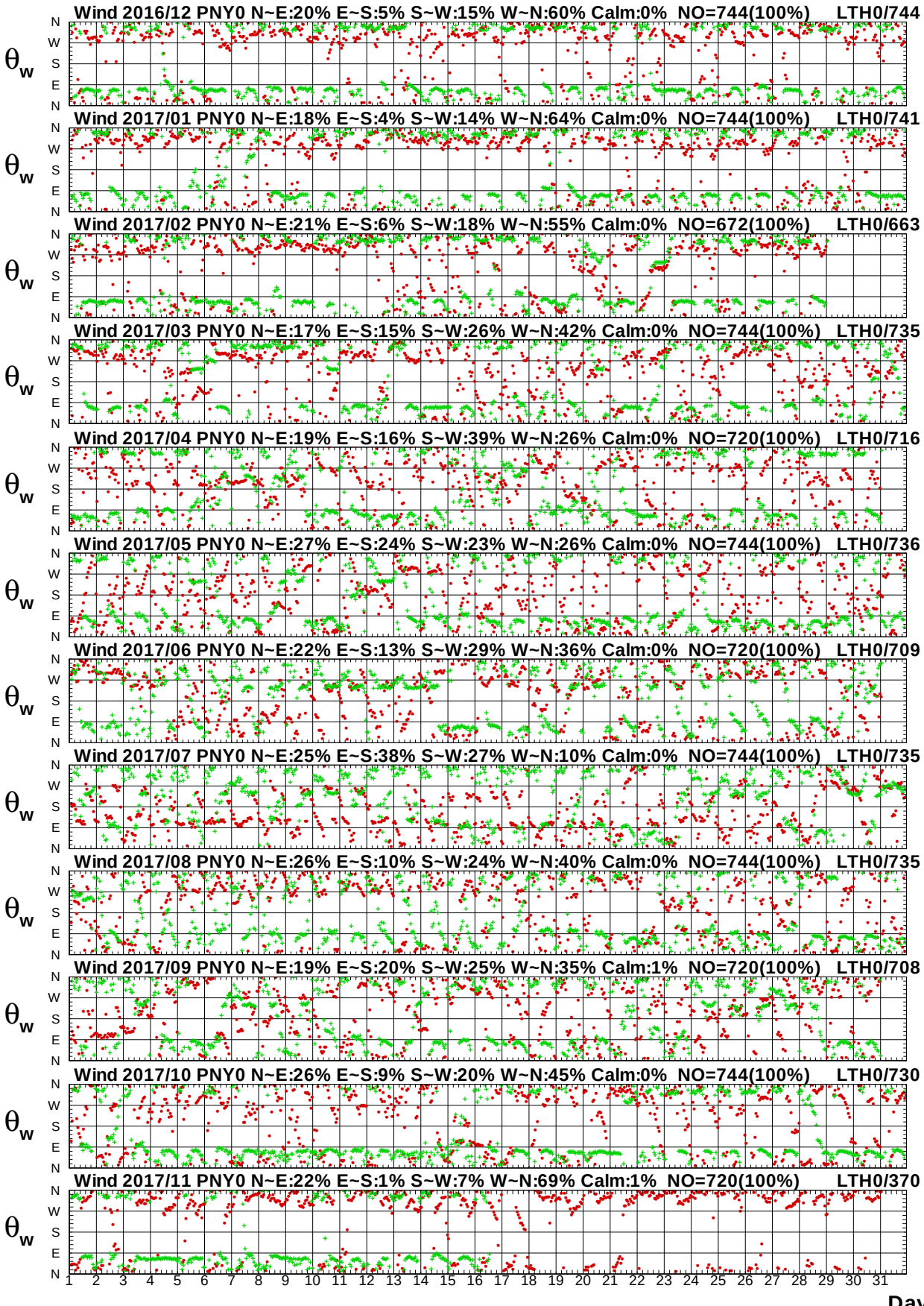

圖1.17b　2017年每月屏東海域 Y 站與臺東海域 H 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

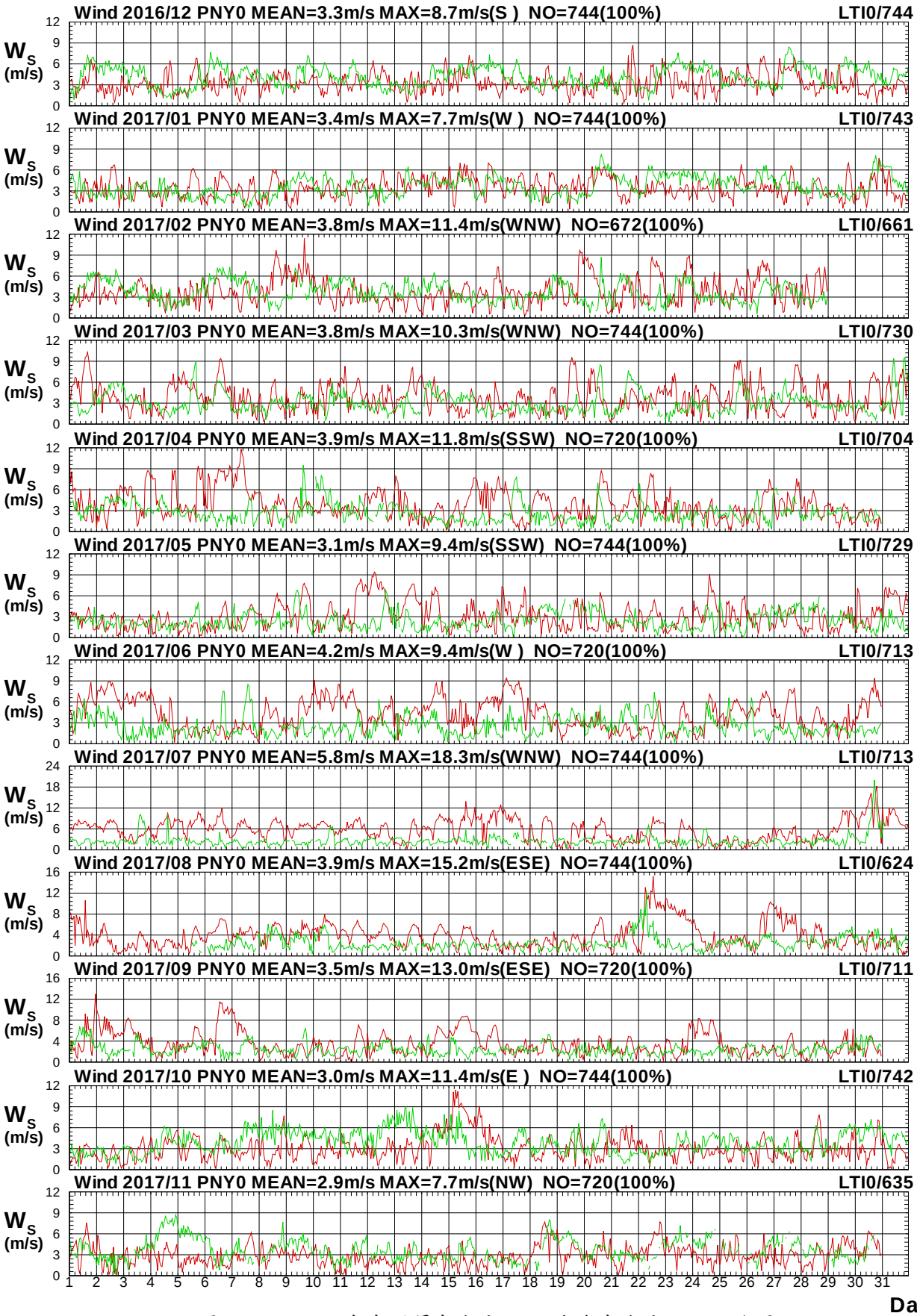

圖1.18a　2017年每月屏東海域 Y 站與臺東海域 I 站風速圖

W16CPNY0.1HA W16CLTI0.1H0 W171PNY0.1HA W171LTI0.1H0 W172PNY0.1HA W172LTI0.1H0
W173PNY0.1HA W173LTI0.1H0 W174PNY0.1HA W174LTI0.1H0 W175PNY0.1HA W175LTI0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

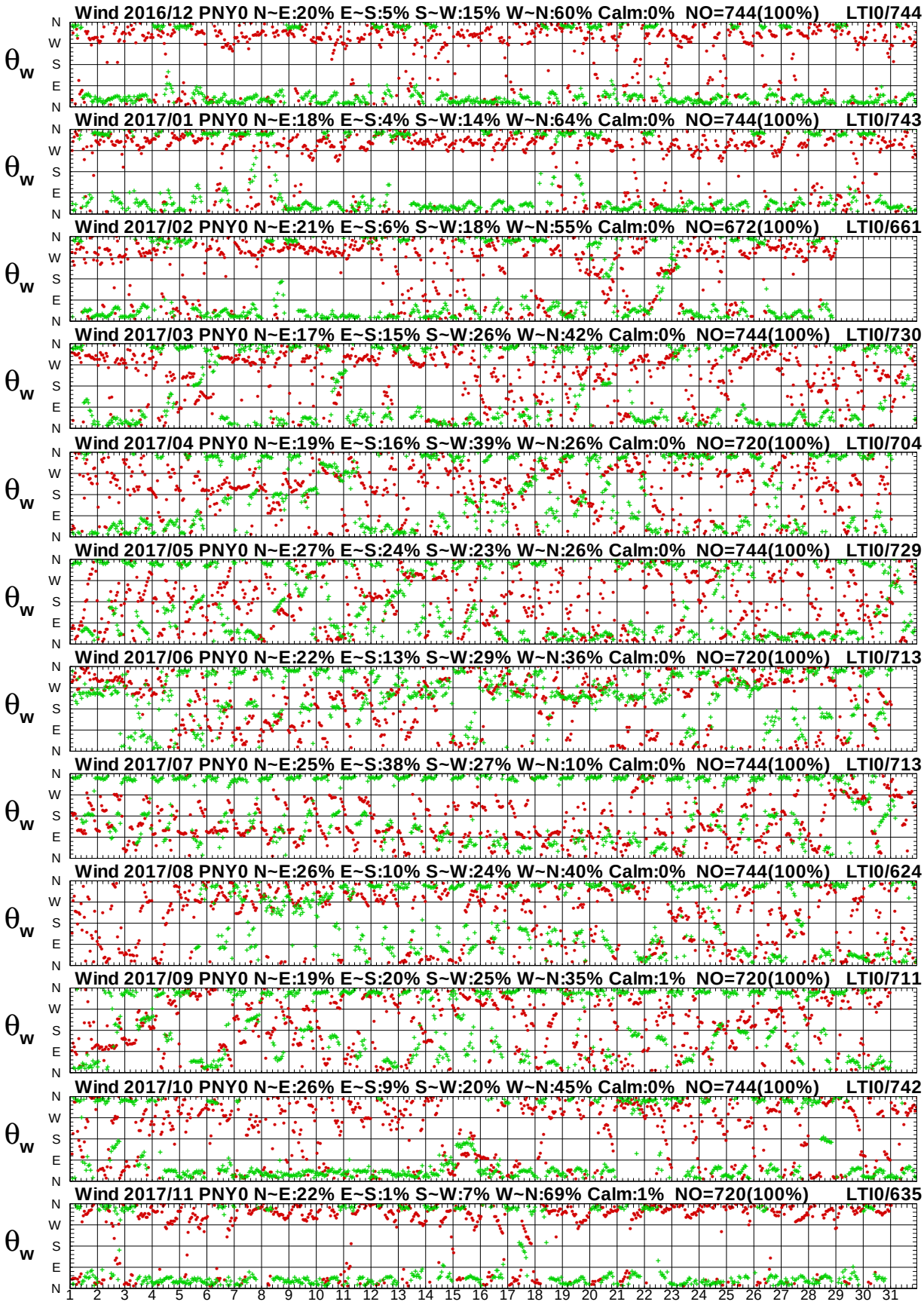

圖1.18b　2017年每月屏東海域 Y 站與臺東海域 I 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

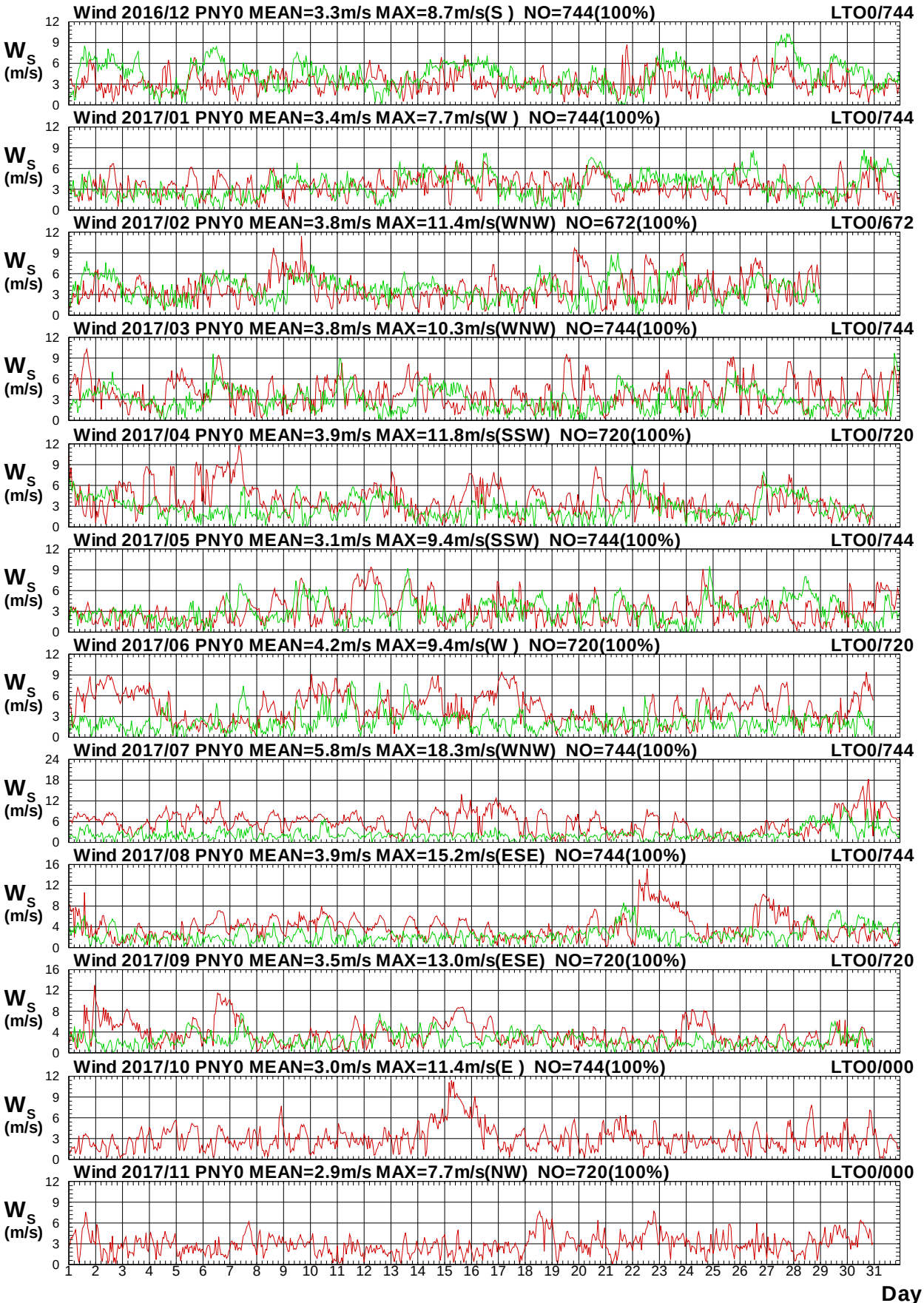

圖1.19a　2017年每月屏東海域 Y 站與臺東海域 O 站風速圖

W16CPNY0.1HA W16CLTO0.1H0 W171PNY0.1HA W171LTO0.1H0 W172PNY0.1HA W172LTO0.1H0
W173PNY0.1HA W173LTO0.1H0 W174PNY0.1HA W174LTO0.1H0 W175PNY0.1HA W175LTO0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

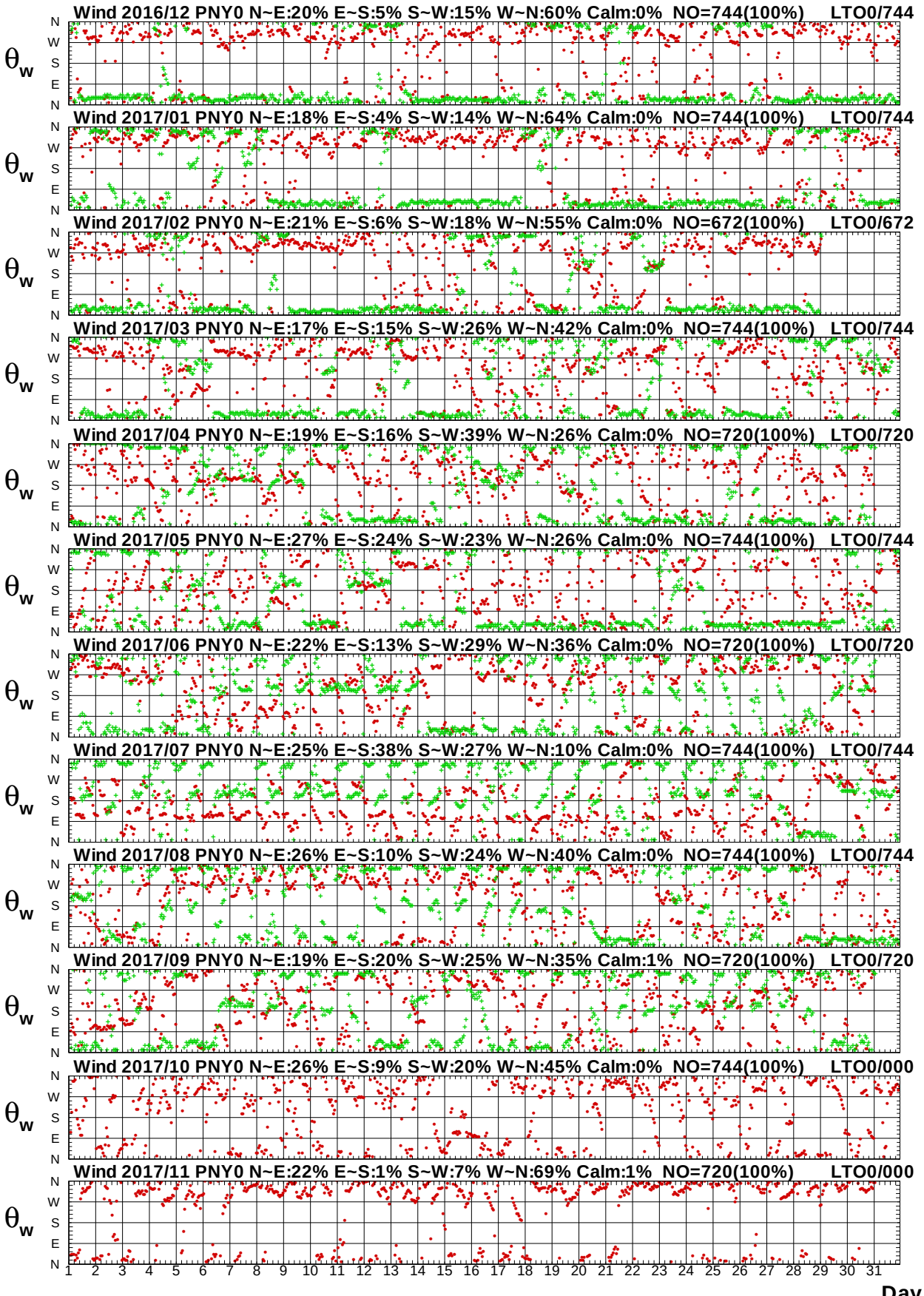

圖1.19b　2017年每月屏東海域 Y 站與臺東海域 O 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

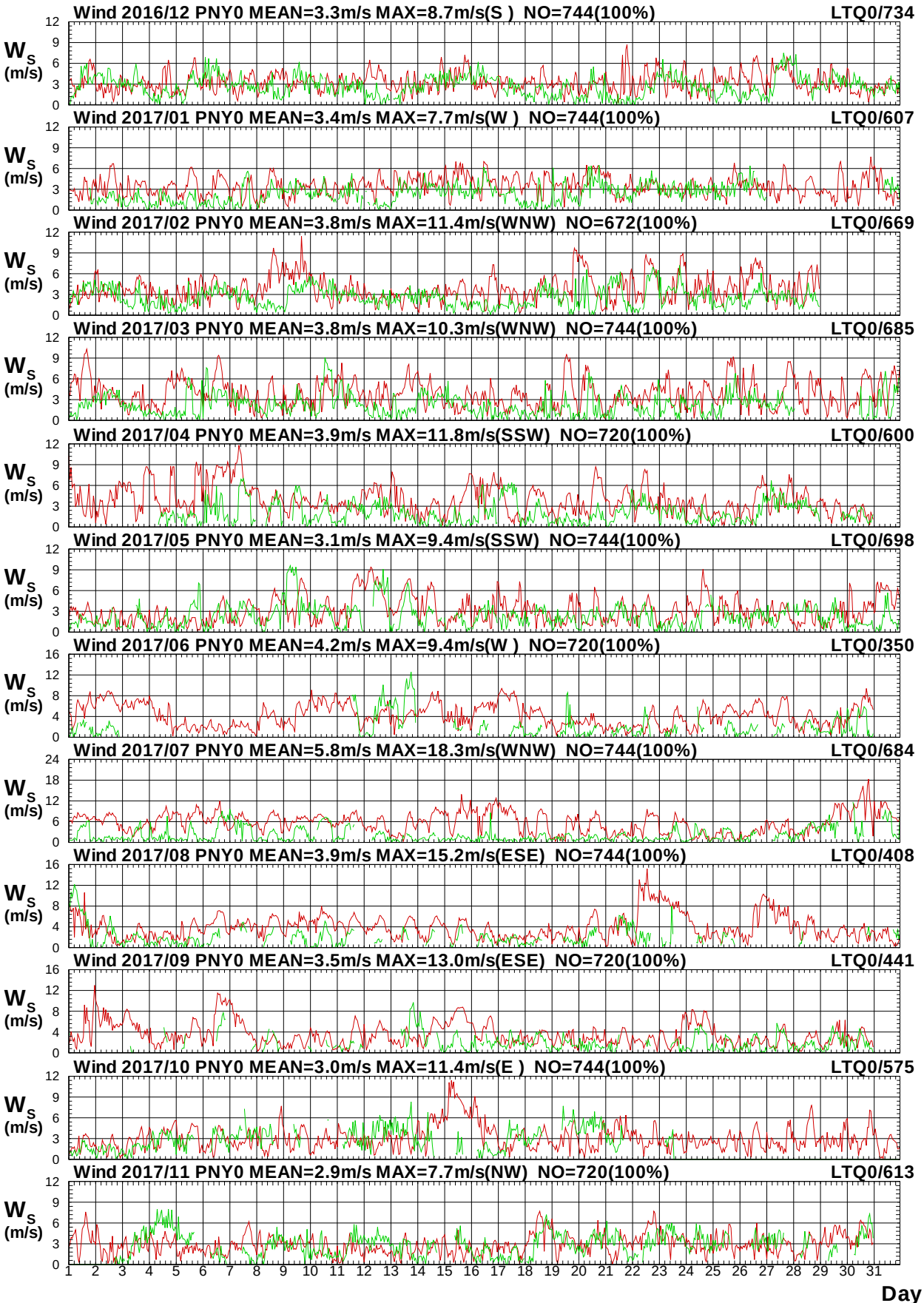

圖1.20a　2017年每月屏東海域 Y 站與臺東海域 Q 站風速圖

W16CPNY0.1HA W16CLTQ0.1H0 W171PNY0.1HA W171LTQ0.1H0 W172PNY0.1HA W172LTQ0.1H0
W173PNY0.1HA W173LTQ0.1H0 W174PNY0.1HA W174LTQ0.1H0 W175PNY0.1HA W175LTQ0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

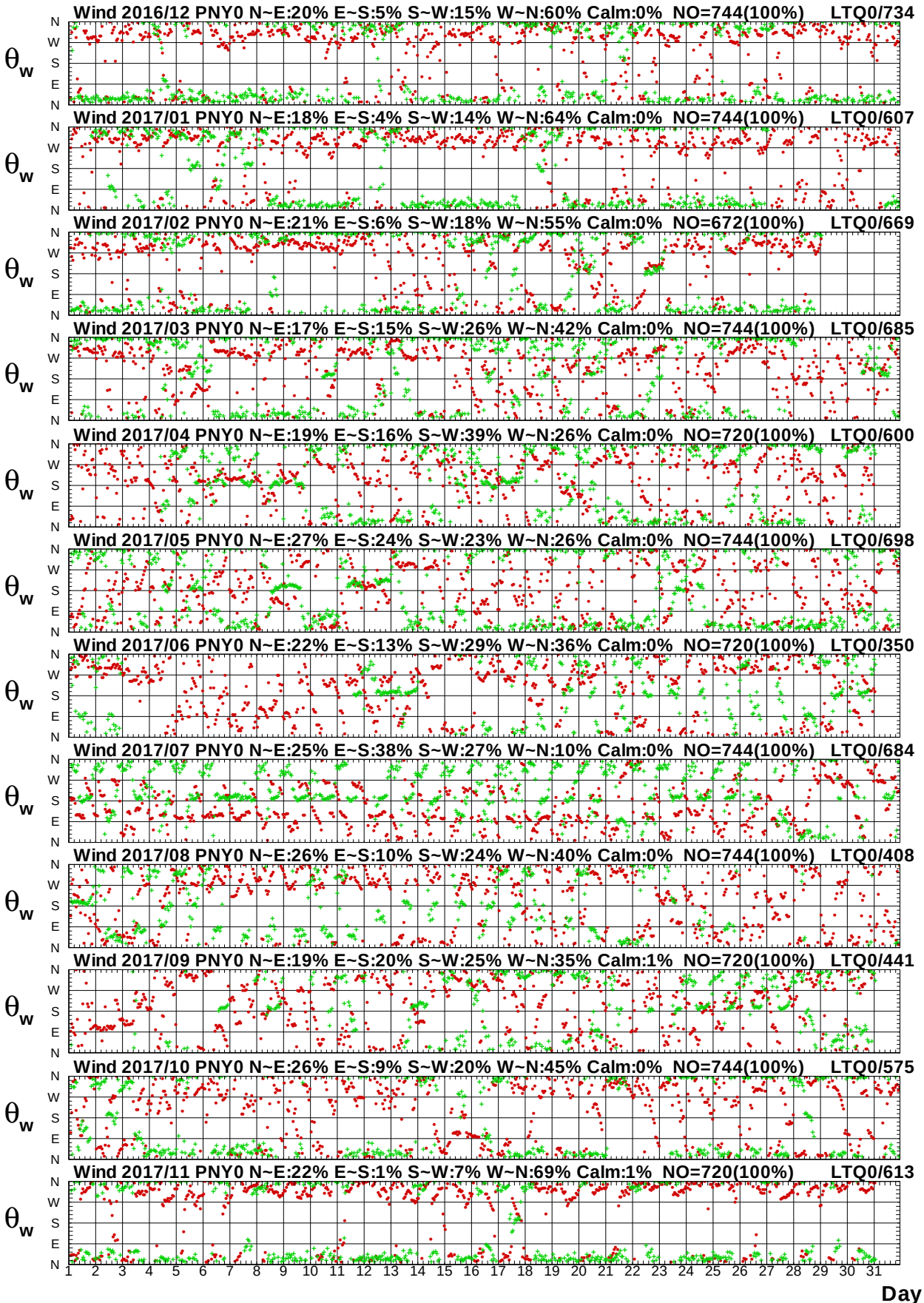

圖1.20b　2017年每月屏東海域 Y 站與臺東海域 Q 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

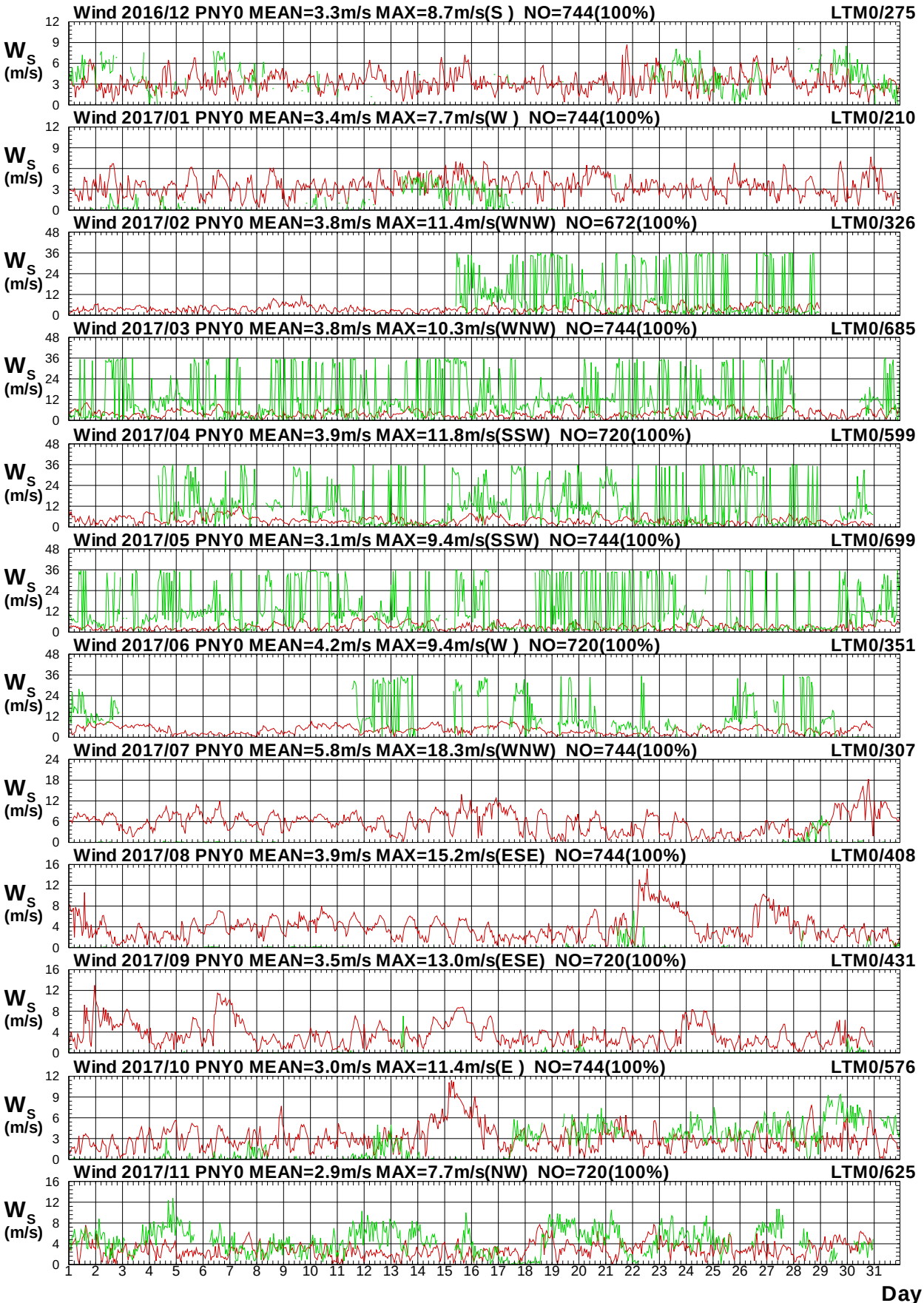

圖1.21a　2017年每月屏東海域 Y 站與臺東海域 M 站風速圖

W16CPNY0.1HA W16CLTM0.1H0 W171PNY0.1HA W171LTM0.1H0 W172PNY0.1HA W172LTM0.1H0
W173PNY0.1HA W173LTM0.1H0 W174PNY0.1HA W174LTM0.1H0 W175PNY0.1HA W175LTM0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

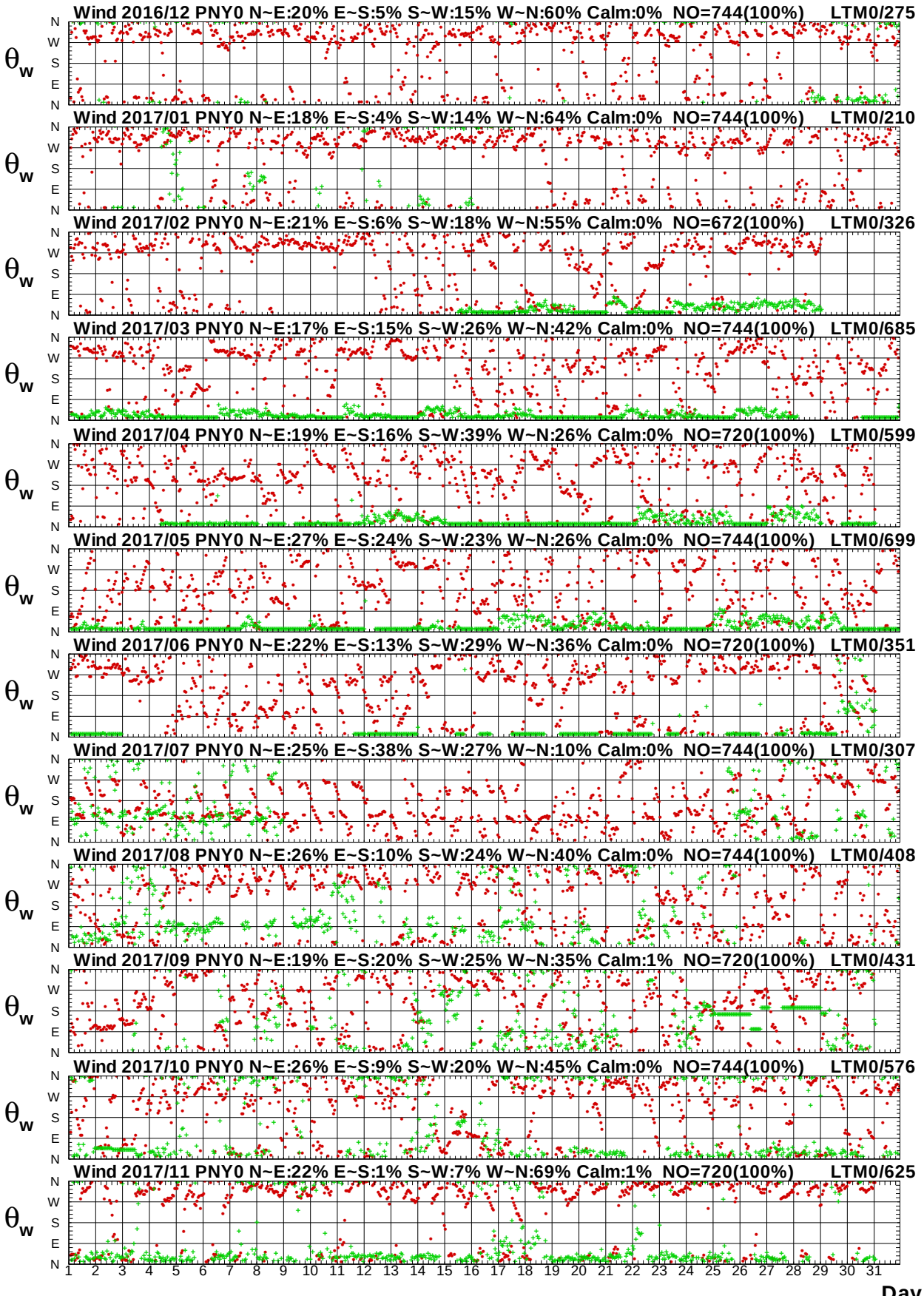

圖1.21b　2017年每月屏東海域 Y 站與臺東海域 M 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

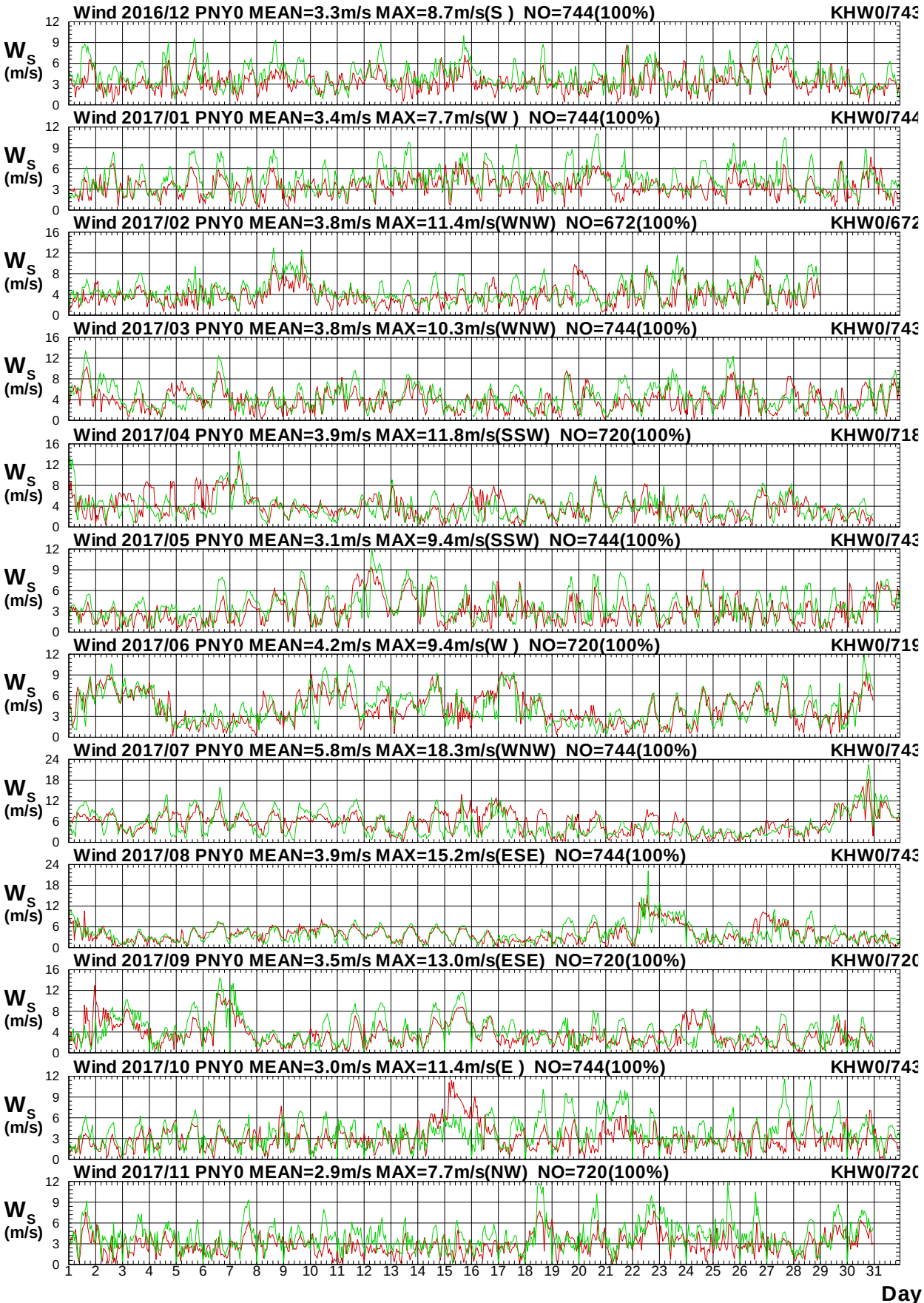

圖1.22a　2017年每月屏東海域 Y 站與高雄海域 W 站風速圖

W16CPNY0.1HA W16CKHW0.1H0 W171PNY0.1HA W171KHW0.1H0 W172PNY0.1HA W172KHW0.1H0
W173PNY0.1HA W173KHW0.1H0 W174PNY0.1HA W174KHW0.1H0 W175PNY0.1HA W175KHW0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

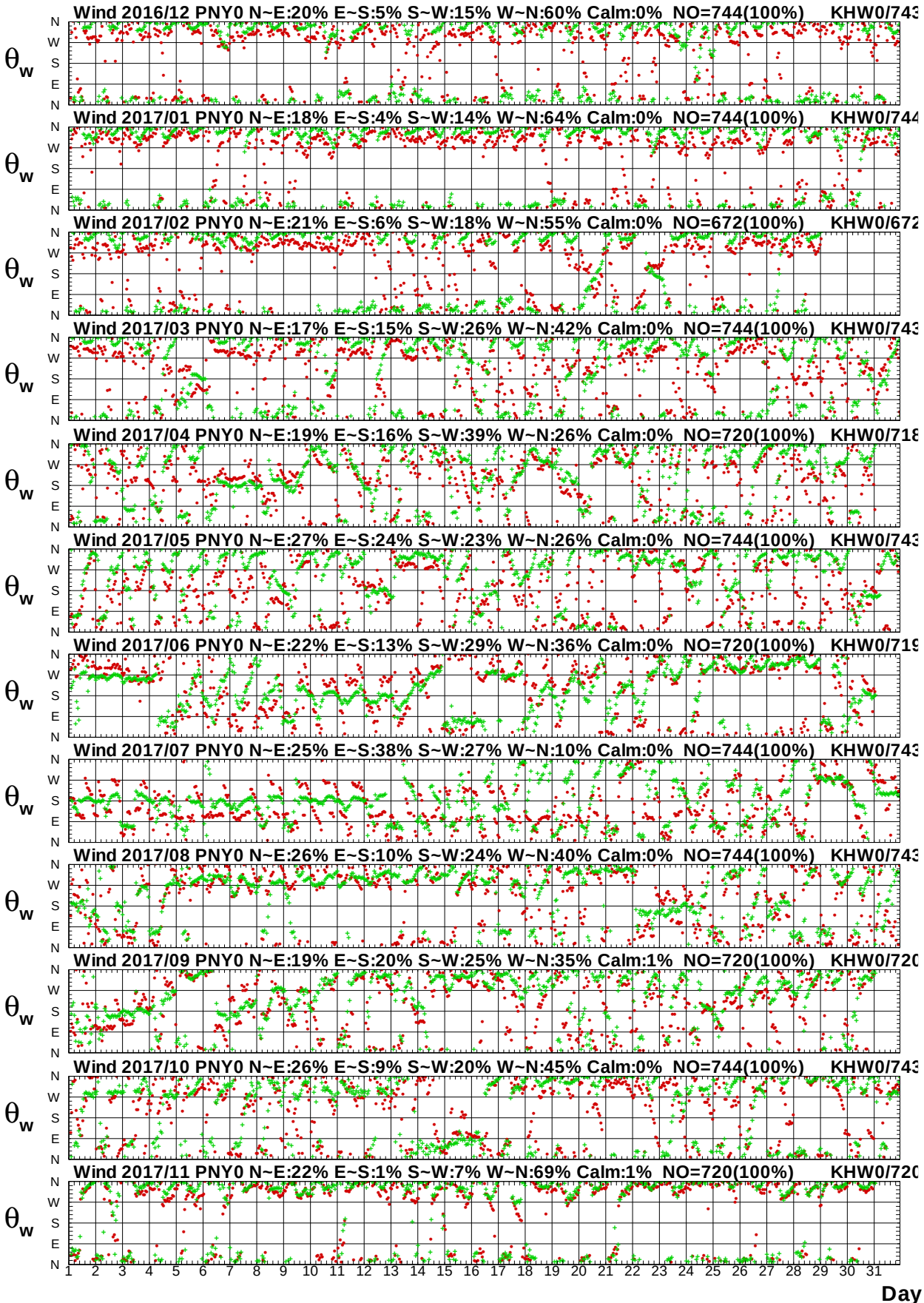

圖1.22b　2017年每月屏東海域 Y 站與高雄海域 W 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

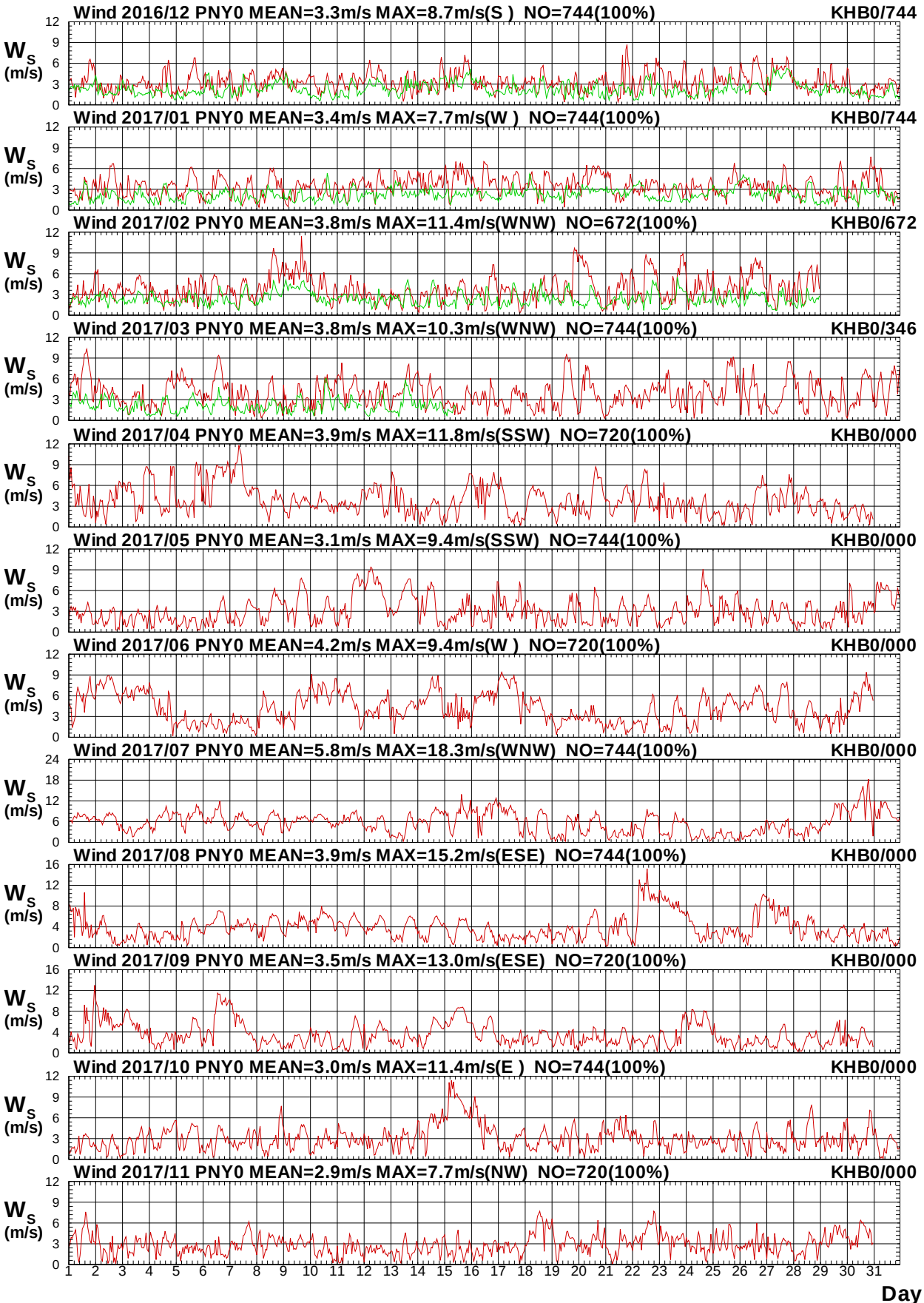

圖1.23a　2017年每月屏東海域 Y 站與高雄海域 B 站風速圖

W16CPNY0.1HA W16CKHB0.1H0 W171PNY0.1HA W171KHB0.1H0 W172PNY0.1HA W172KHB0.1H0
W173PNY0.1HA W173KHB0.1H0 W174PNY0.1HA W174KHB0.1H0 W175PNY0.1HA W175KHB0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

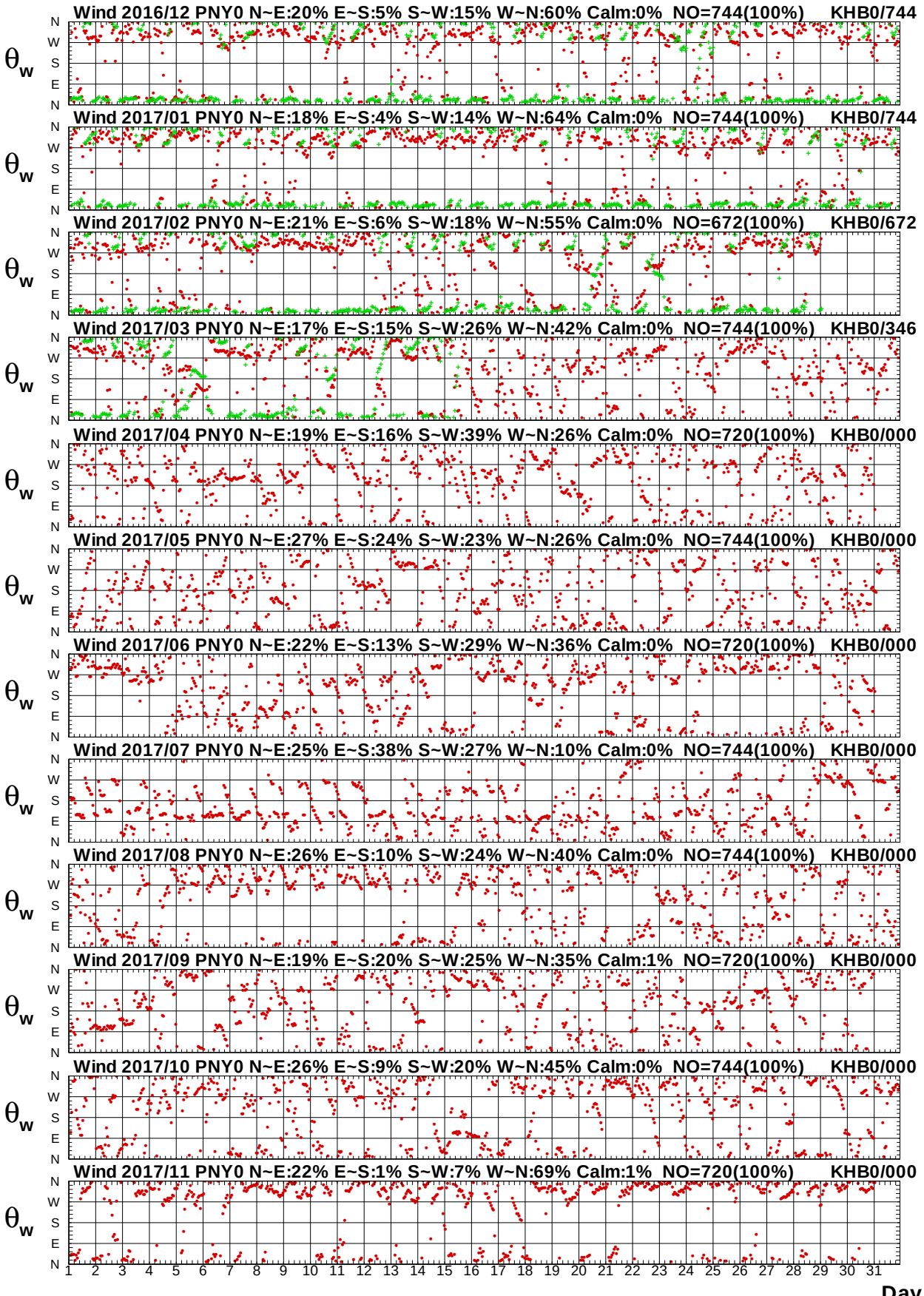

圖1.23b　2017年每月屏東海域 Y 站與高雄海域 B 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

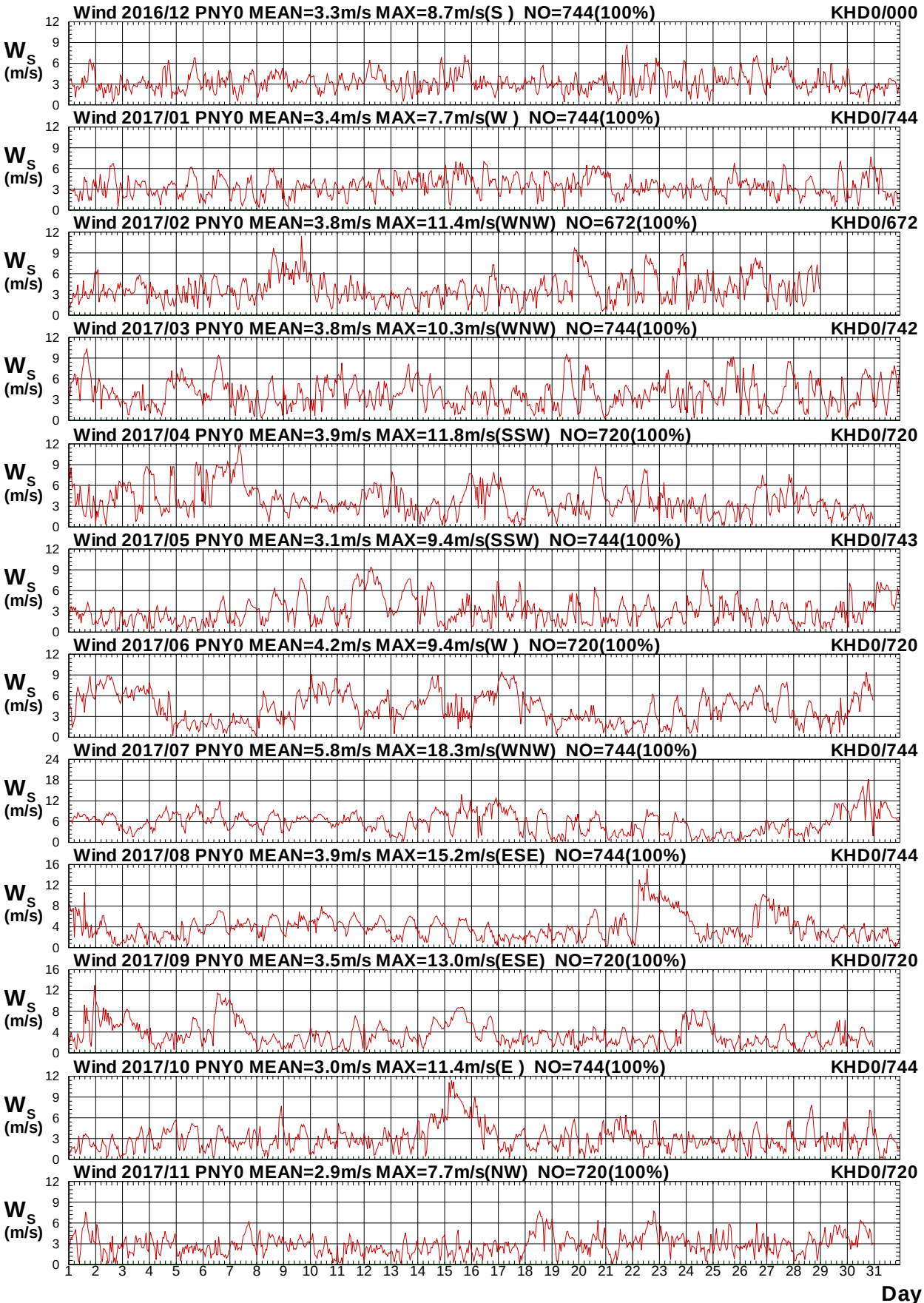

圖1.24a　2017年每月屏東海域 Y 站與高雄海域 D 站風速圖

W16CPNY0.1HA W16CKHD0.1H0 W171PNY0.1HA W171KHD0.1H0 W172PNY0.1HA W172KHD0.1H0
W173PNY0.1HA W173KHD0.1H0 W174PNY0.1HA W174KHD0.1H0 W175PNY0.1HA W175KHD0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

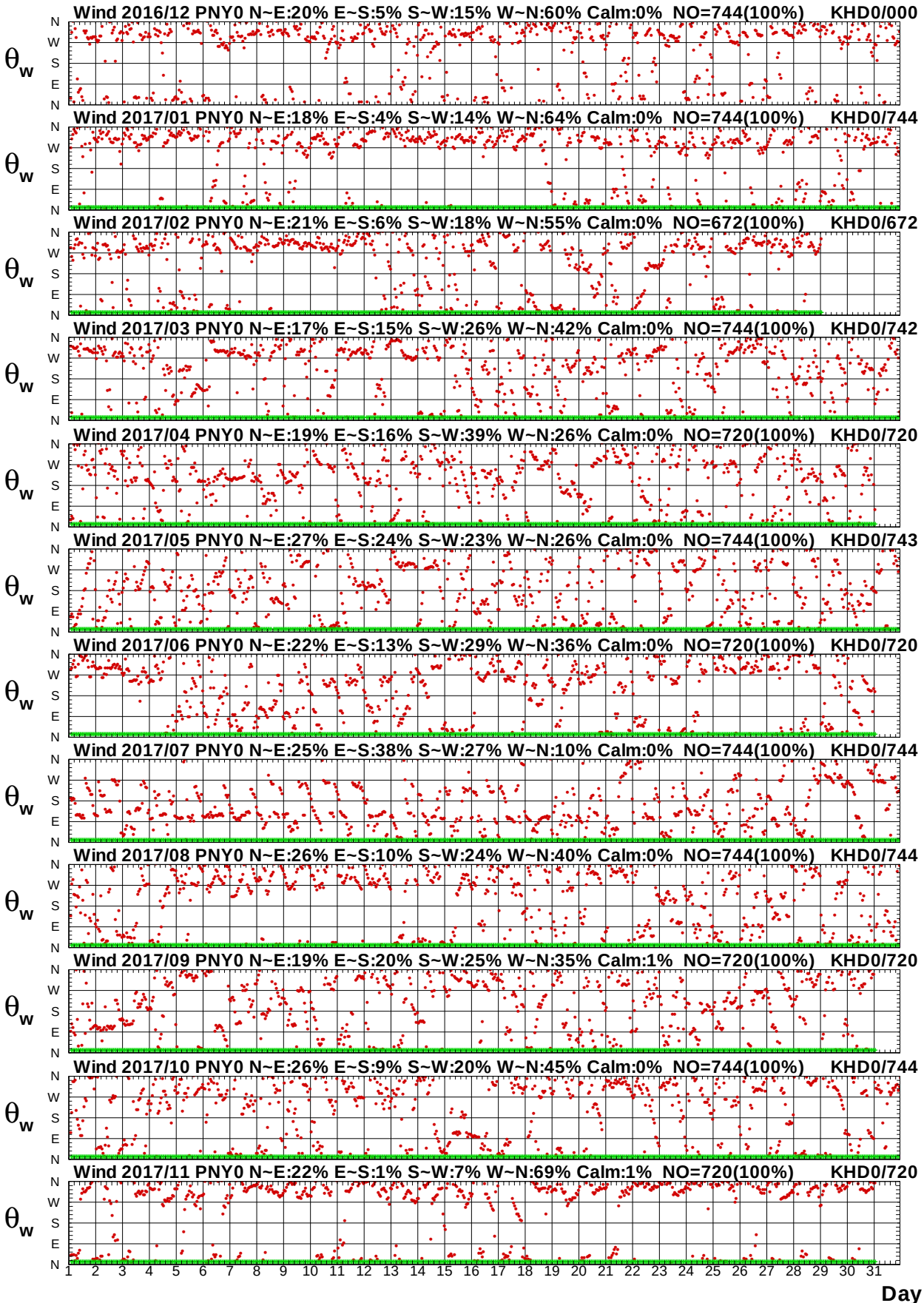

圖1.24b　2017年每月屏東海域 Y 站與高雄海域 D 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

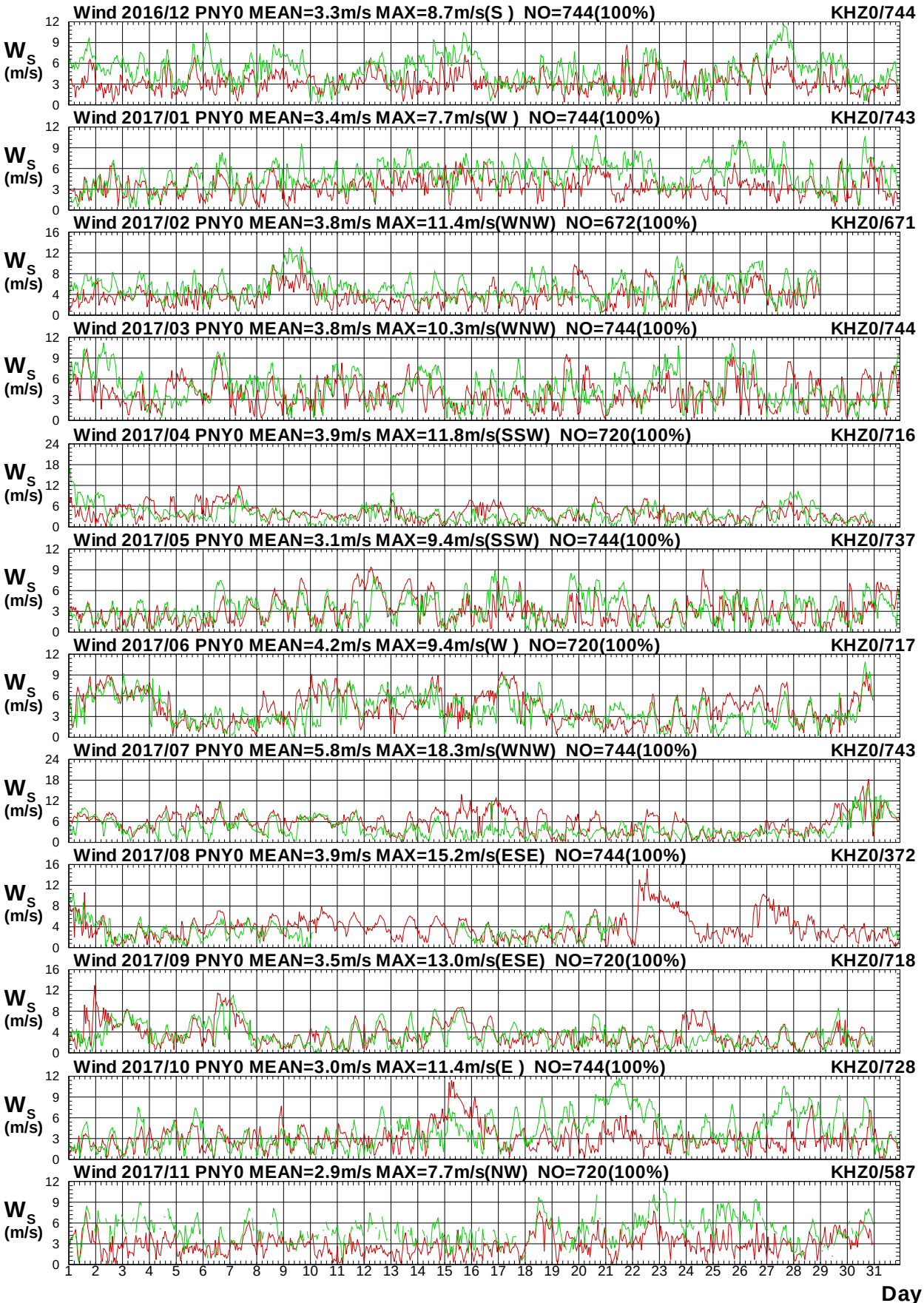

圖1.25a　2017年每月屏東海域 Y 站與高雄海域 Z 站風速圖

W16CPNY0.1HA W16CKHZ0.1H0 W171PNY0.1HA W171KHZ0.1H0 W172PNY0.1HA W172KHZ0.1H0
W173PNY0.1HA W173KHZ0.1H0 W174PNY0.1HA W174KHZ0.1H0 W175PNY0.1HA W175KHZ0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

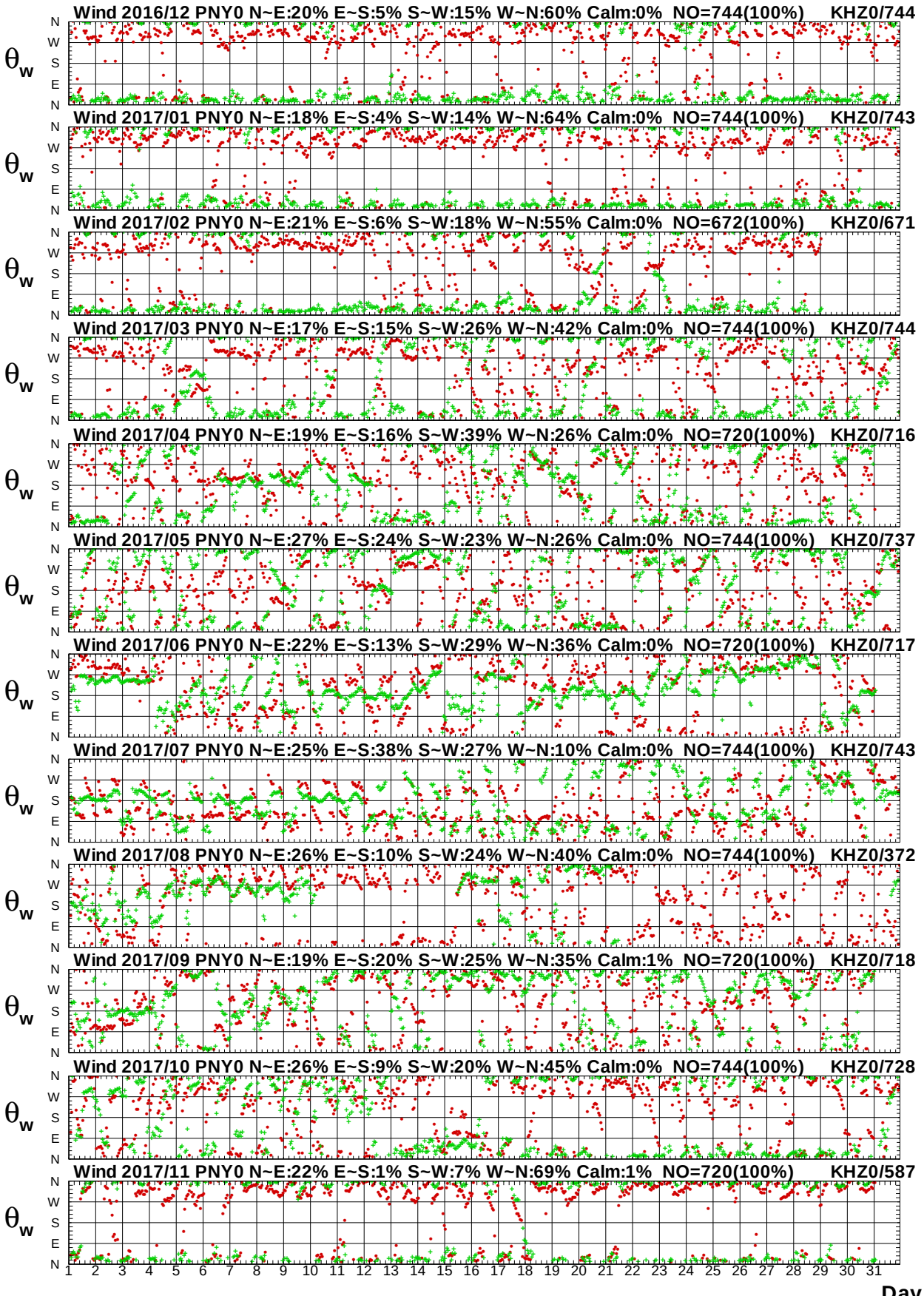

圖1.25b　2017年每月屏東海域 Y 站與高雄海域 Z 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

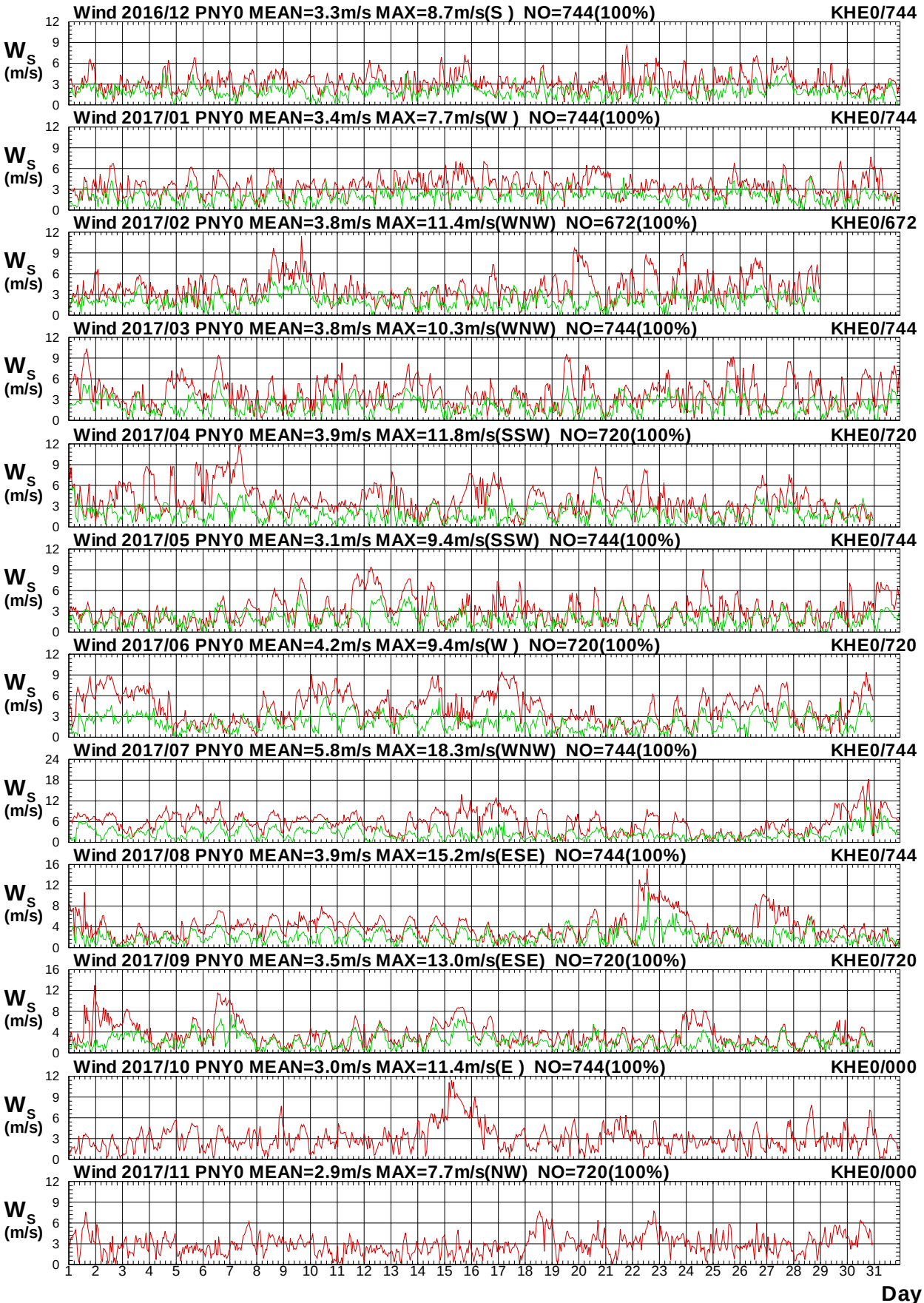

圖1.26a　2017年每月屏東海域 Y 站與高雄海域 E 站風速圖

W16CPNY0.1HA W16CKHE0.1H0 W171PNY0.1HA W171KHE0.1H0 W172PNY0.1HA W172KHE0.1H0
W173PNY0.1HA W173KHE0.1H0 W174PNY0.1HA W174KHE0.1H0 W175PNY0.1HA W175KHE0.1H0

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Wind Direction in Peng-Tung Seas of PNY0 at 2017

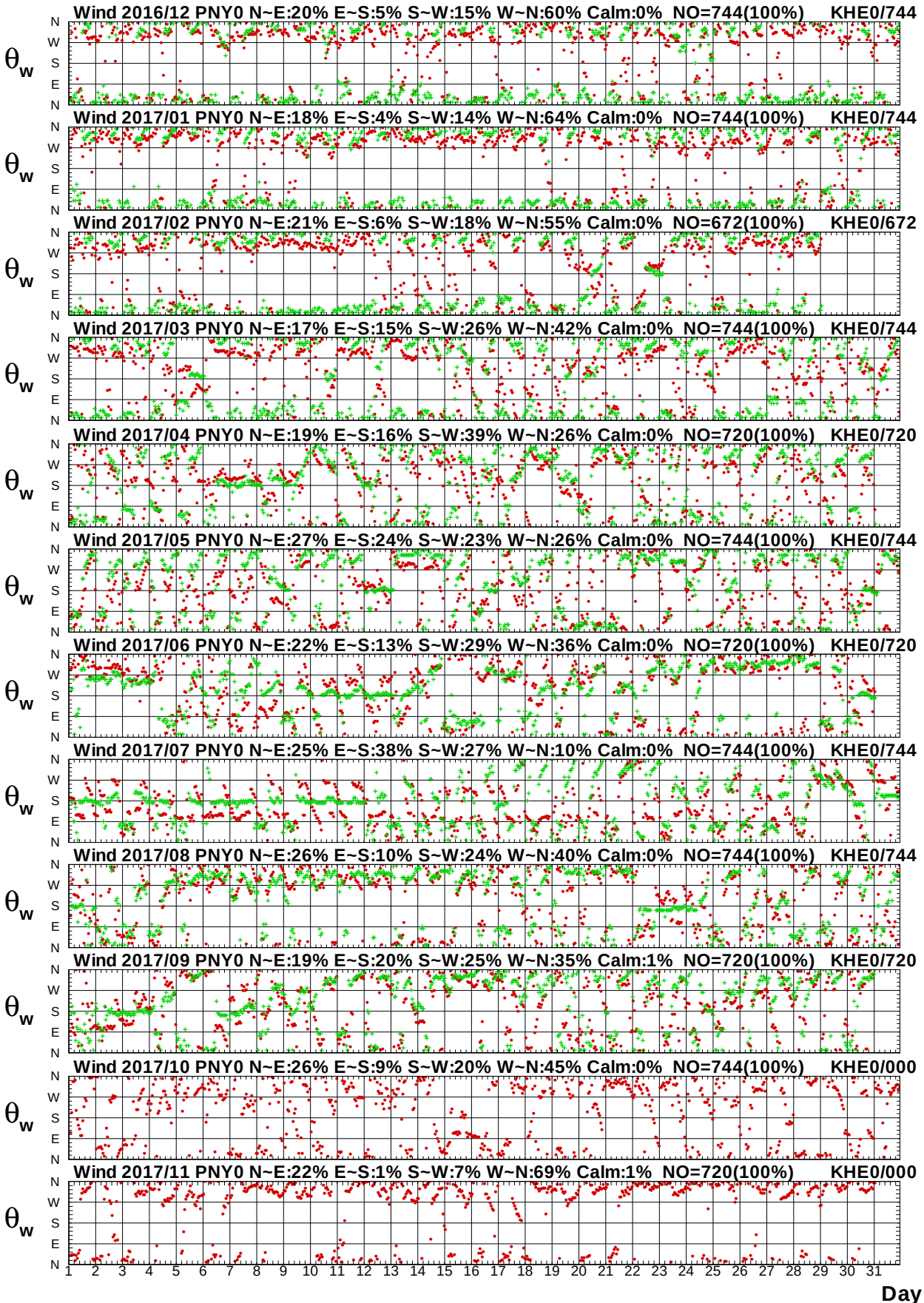

圖1.26b　2017年每月屏東海域 Y 站與高雄海域 E 站風向圖

Wind Speed in Peng-Tung Seas of PNY0 at 2017

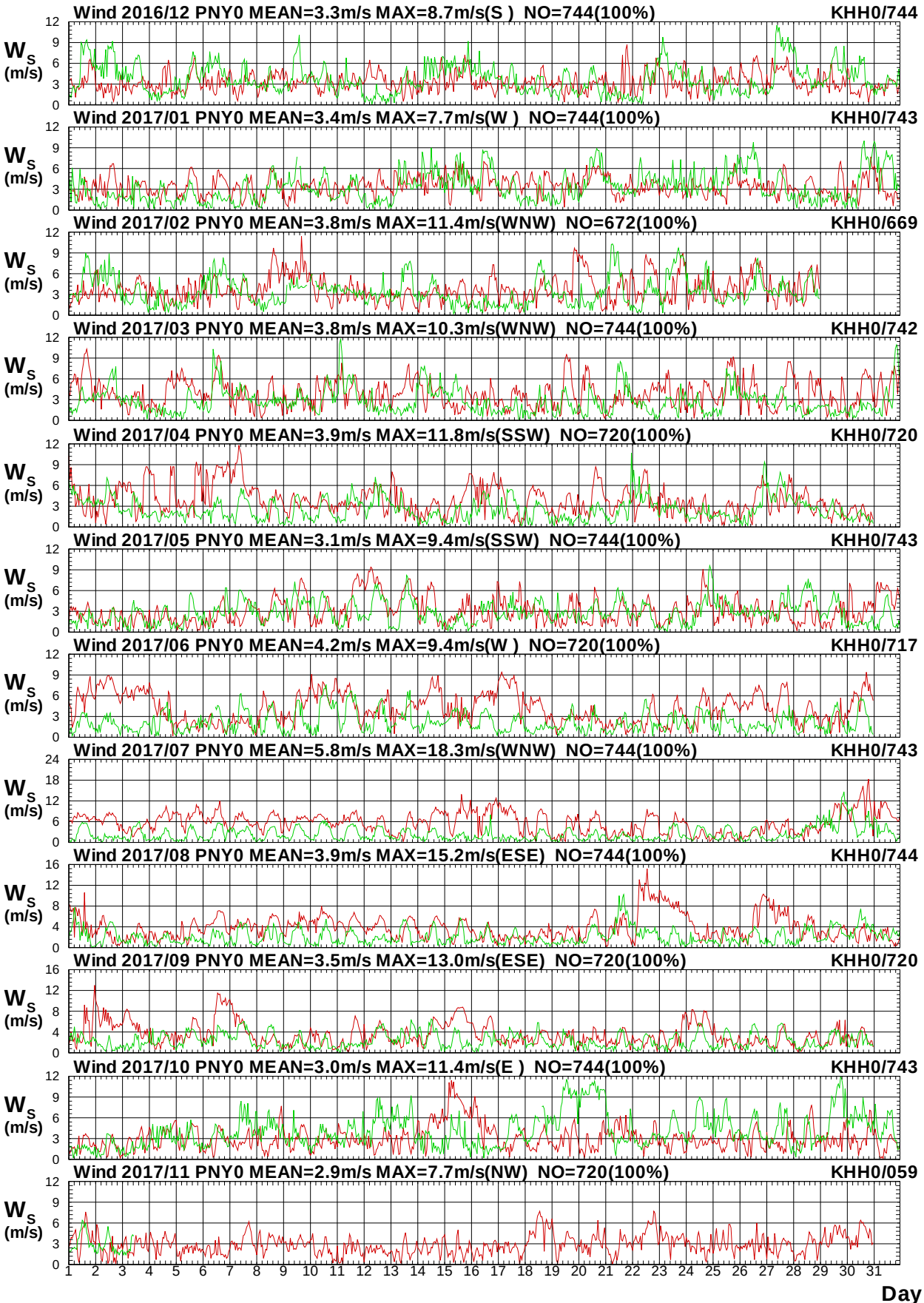

圖1.27a　2017年每月屏東海域 Y 站與高雄海域 H 站風速圖

Wind Direction in Peng-Tung Seas of PNY0 at 2017

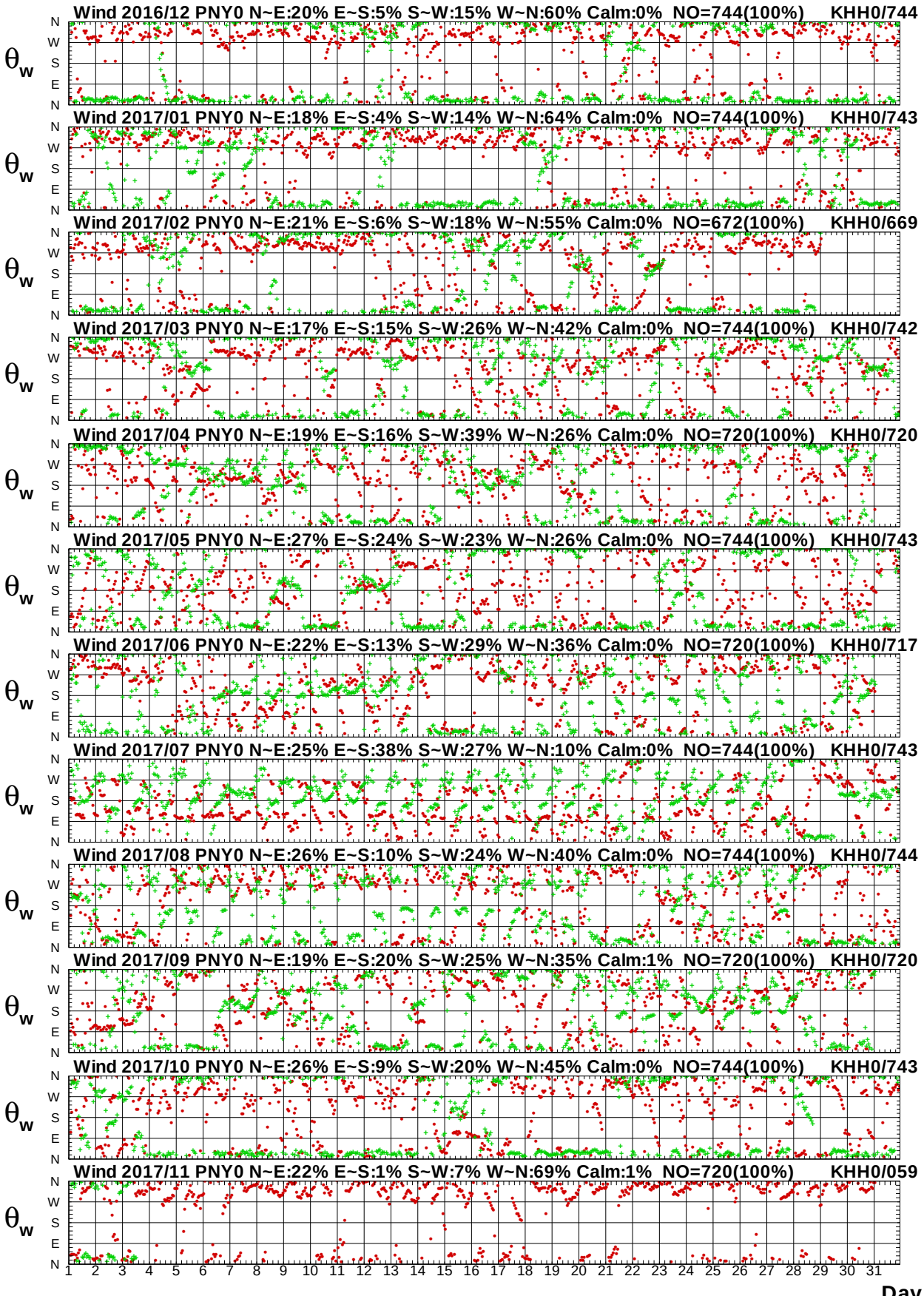

圖1.27b　2017年每月屏東海域 Y 站與高雄海域 H 站風向圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

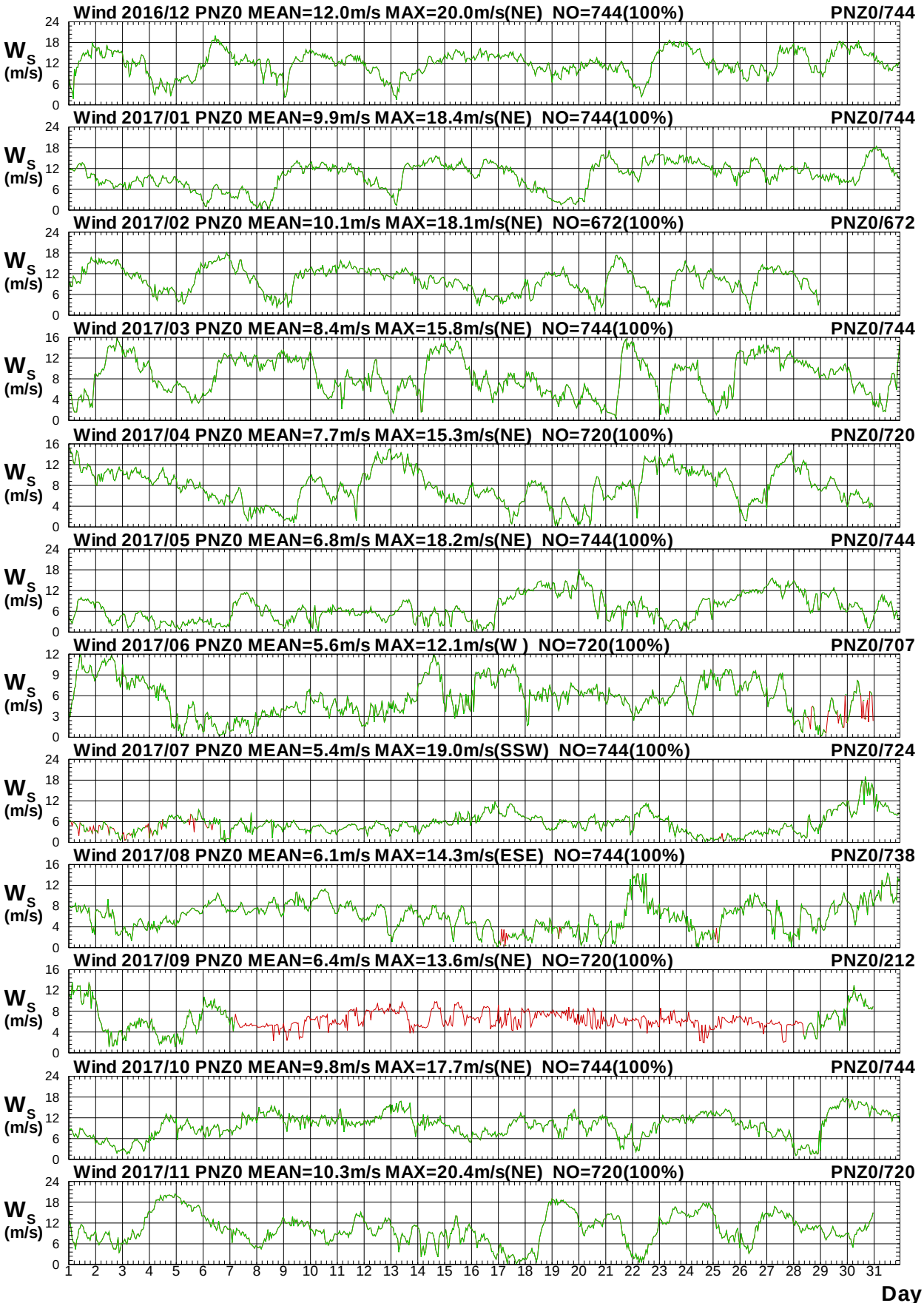

圖1.29a　2017年每月屏東海域 Z 站修補前後之風速比較圖

W16CPNZ0.1HA W16CPNZ0.1H0 W171PNZ0.1HA W171PNZ0.1H0 W172PNZ0.1HA W172PNZ0.1H0
W173PNZ0.1HA W173PNZ0.1H0 W174PNZ0.1HA W174PNZ0.1H0 W175PNZ0.1HA W175PNZ0.1H0

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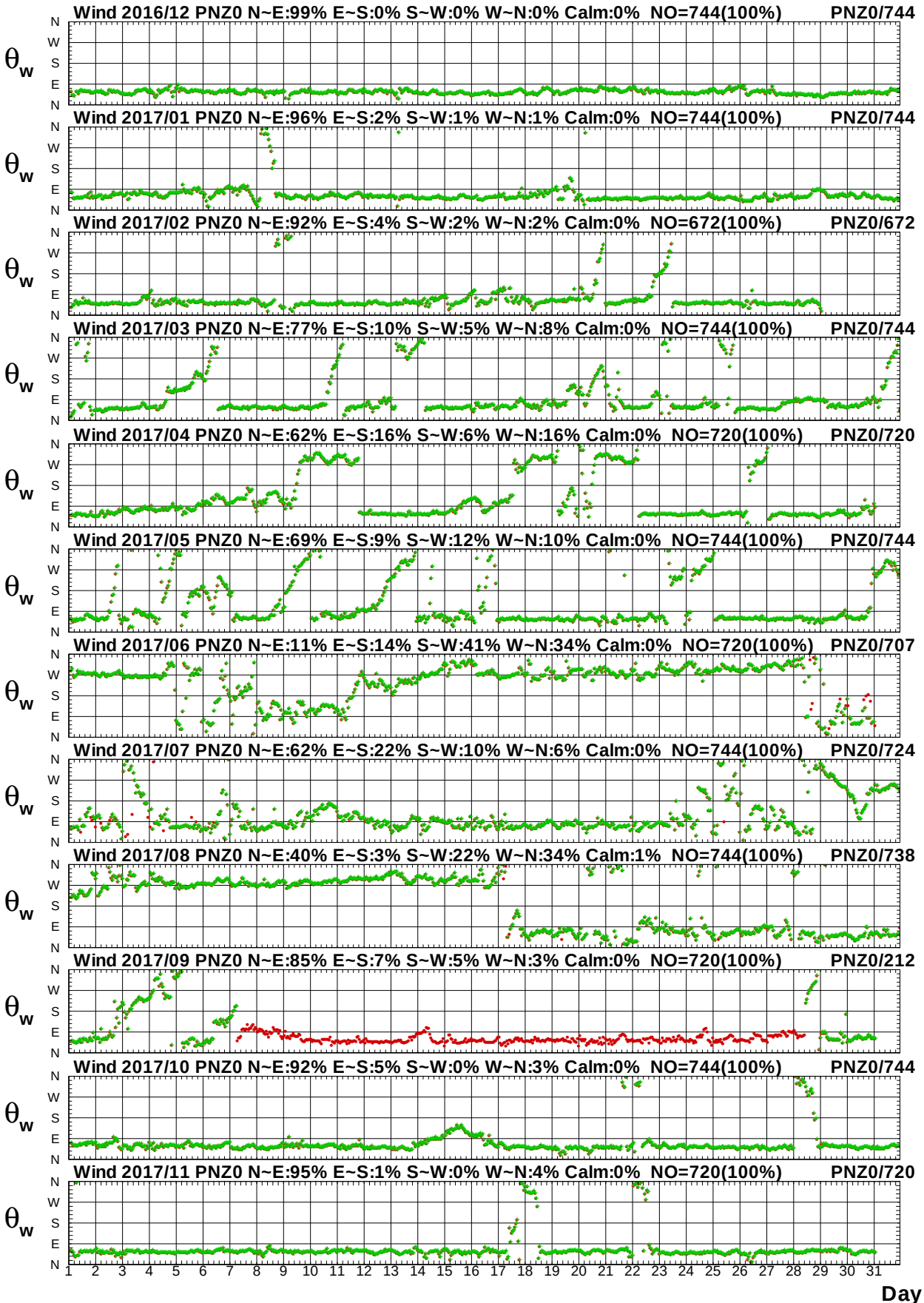

圖1.29b　2017年每月屏東海域 Z 站修補前後之風向比較圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

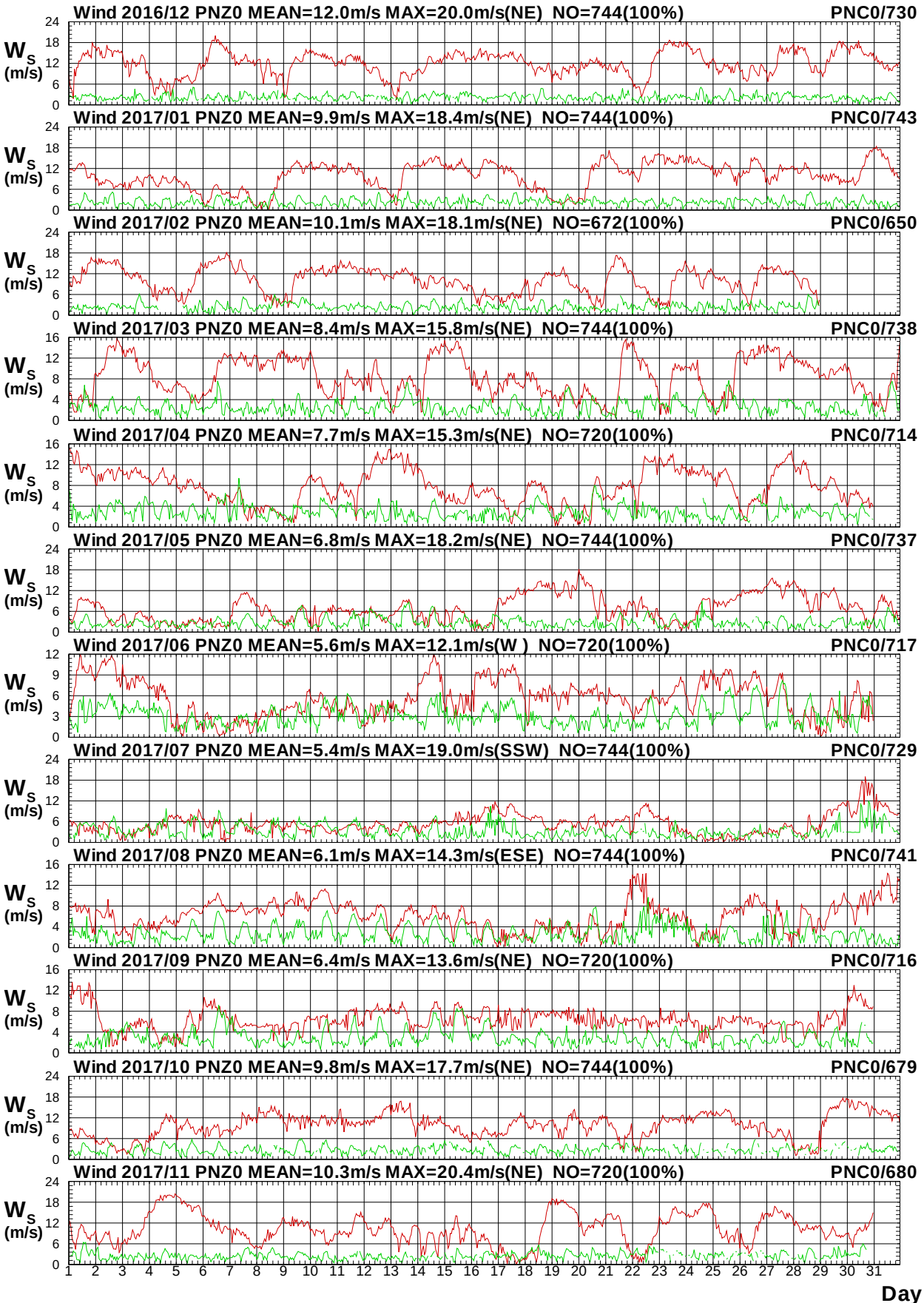

圖1.30a　2017年每月屏東海域 Z 站與 C 站風速比較圖

W16CPNZ0.1HA W16CPNC0.1H0 W171PNZ0.1HA W171PNC0.1H0 W172PNZ0.1HA W172PNC0.1H0
W173PNZ0.1HA W173PNC0.1H0 W174PNZ0.1HA W174PNC0.1H0 W175PNZ0.1HA W175PNC0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

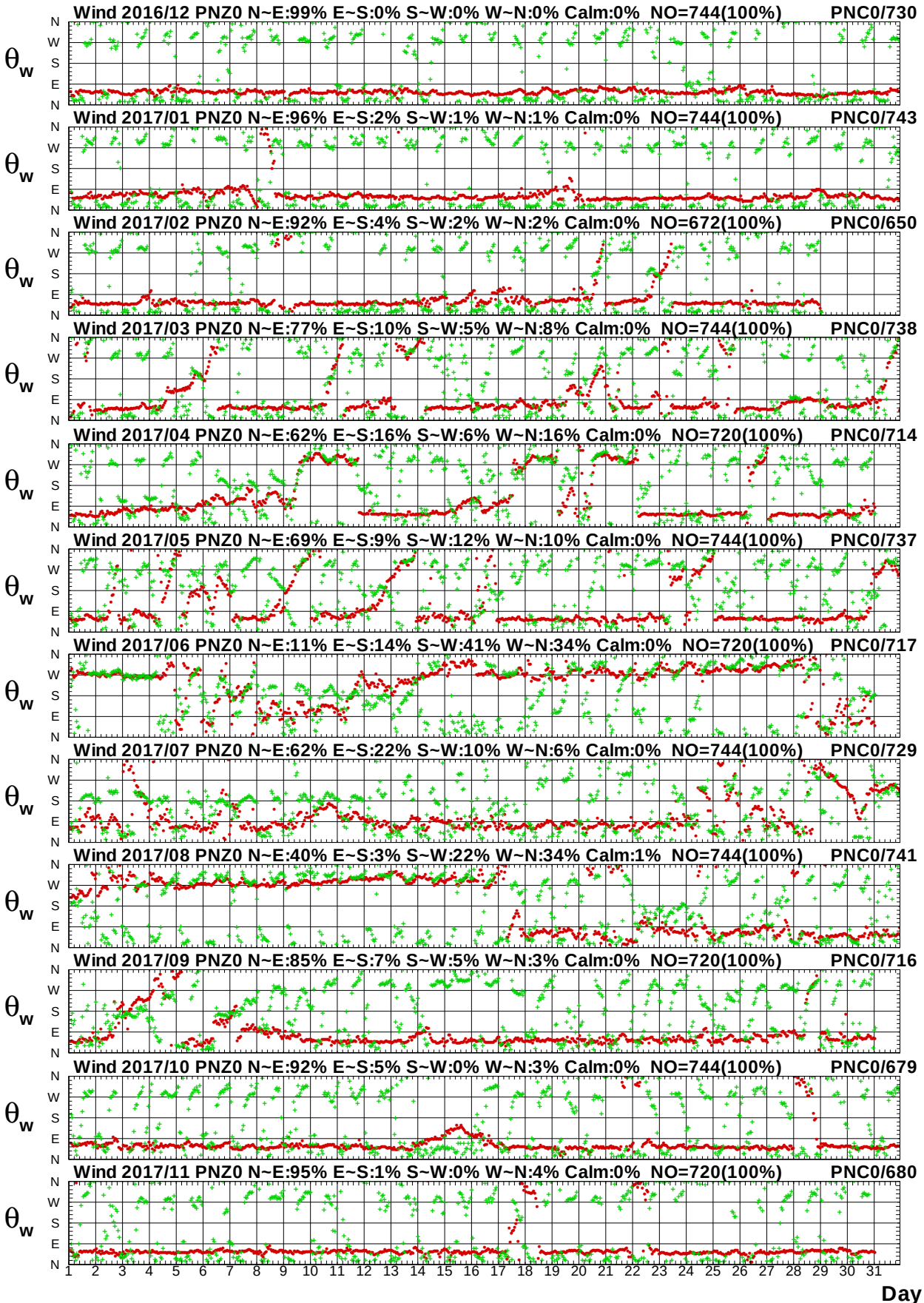

圖1.30b　2017年每月屏東海域 Z 站與 C 站風向比較圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

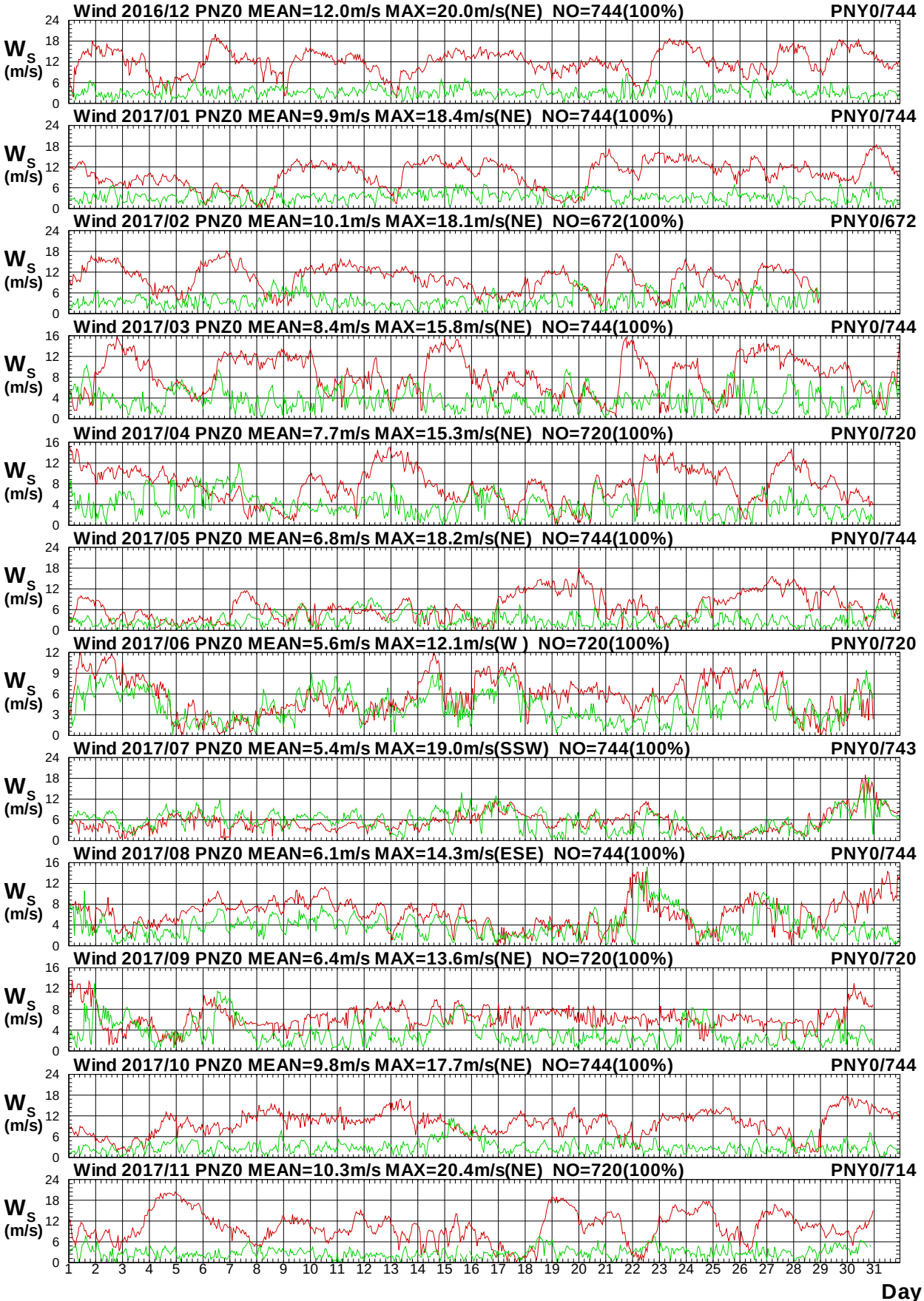

圖1.31a　2017年每月屏東海域 Z 站與 Y 站風速比較圖

W16CPNZ0.1HA W16CPNY0.1H0 W171PNZ0.1HA W171PNY0.1H0 W172PNZ0.1HA W172PNY0.1H0
W173PNZ0.1HA W173PNY0.1H0 W174PNZ0.1HA W174PNY0.1H0 W175PNZ0.1HA W175PNY0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

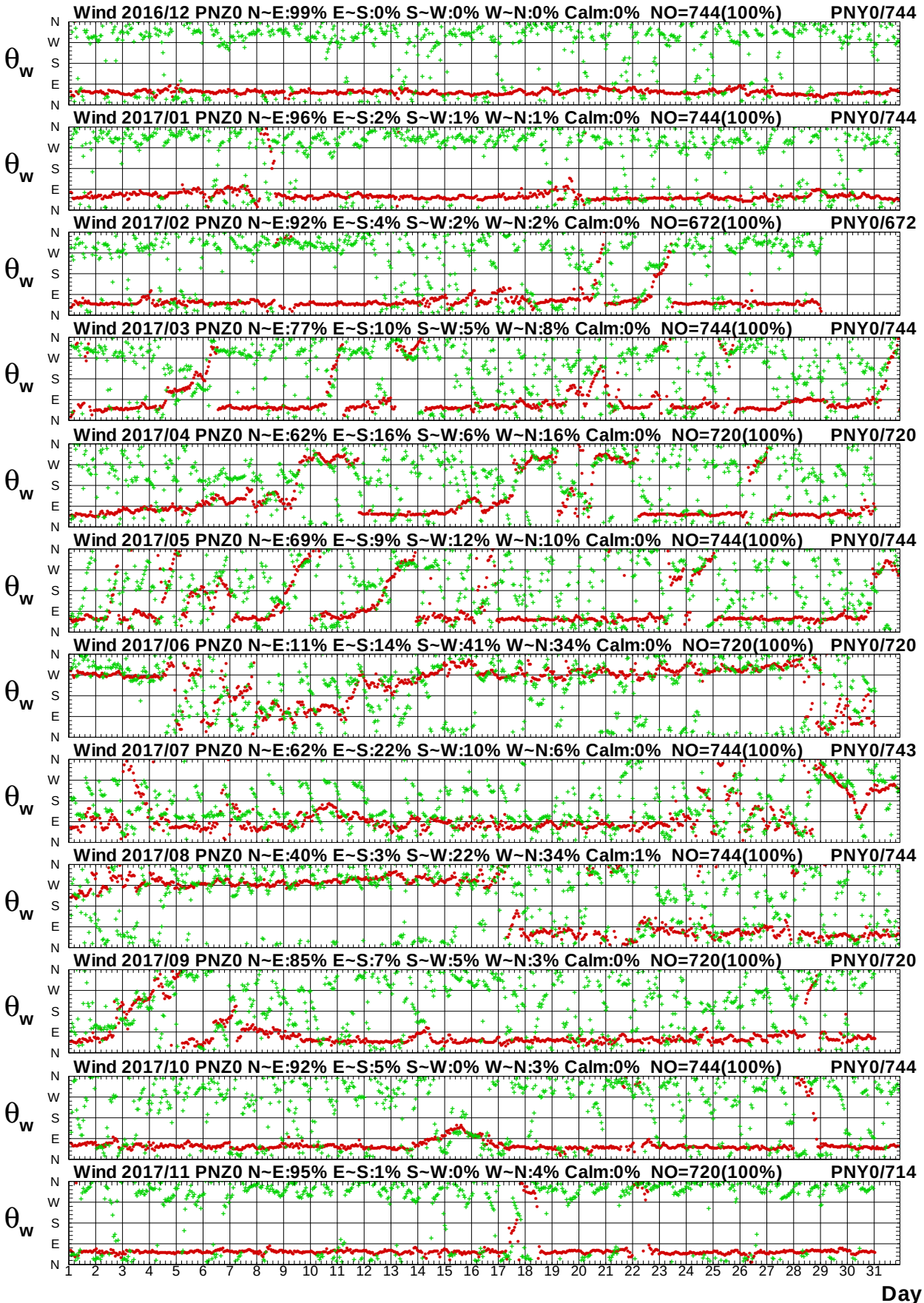

圖1.31b　2017年每月屏東海域 Z 站與 Y 站風向比較圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

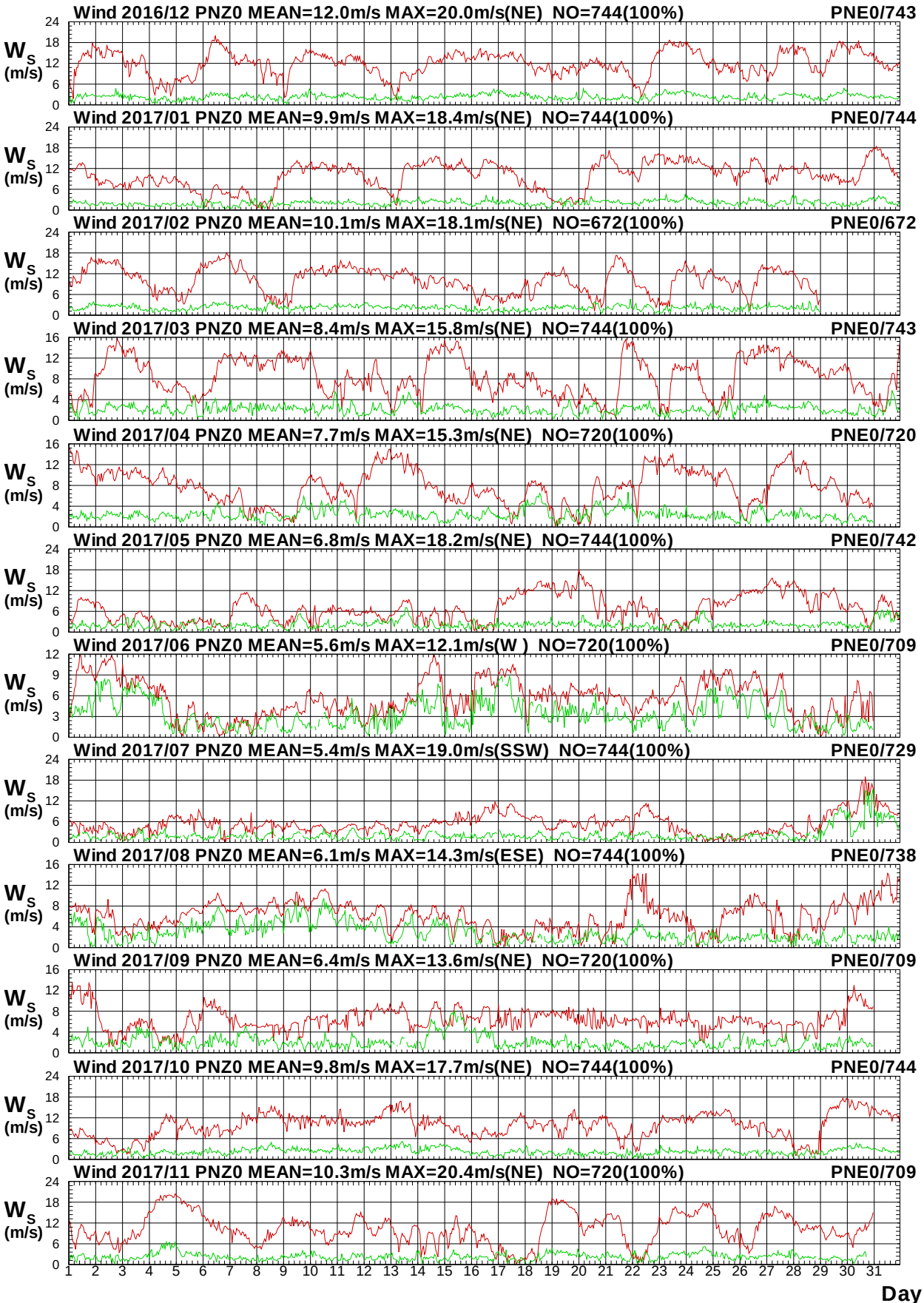

圖1.32a　2017年每月屏東海域 Z 站與 E 站風速比較圖

W16CPNZ0.1HA W16CPNE0.1H0 W171PNZ0.1HA W171PNE0.1H0 W172PNZ0.1HA W172PNE0.1H0
W173PNZ0.1HA W173PNE0.1H0 W174PNZ0.1HA W174PNE0.1H0 W175PNZ0.1HA W175PNE0.1H0

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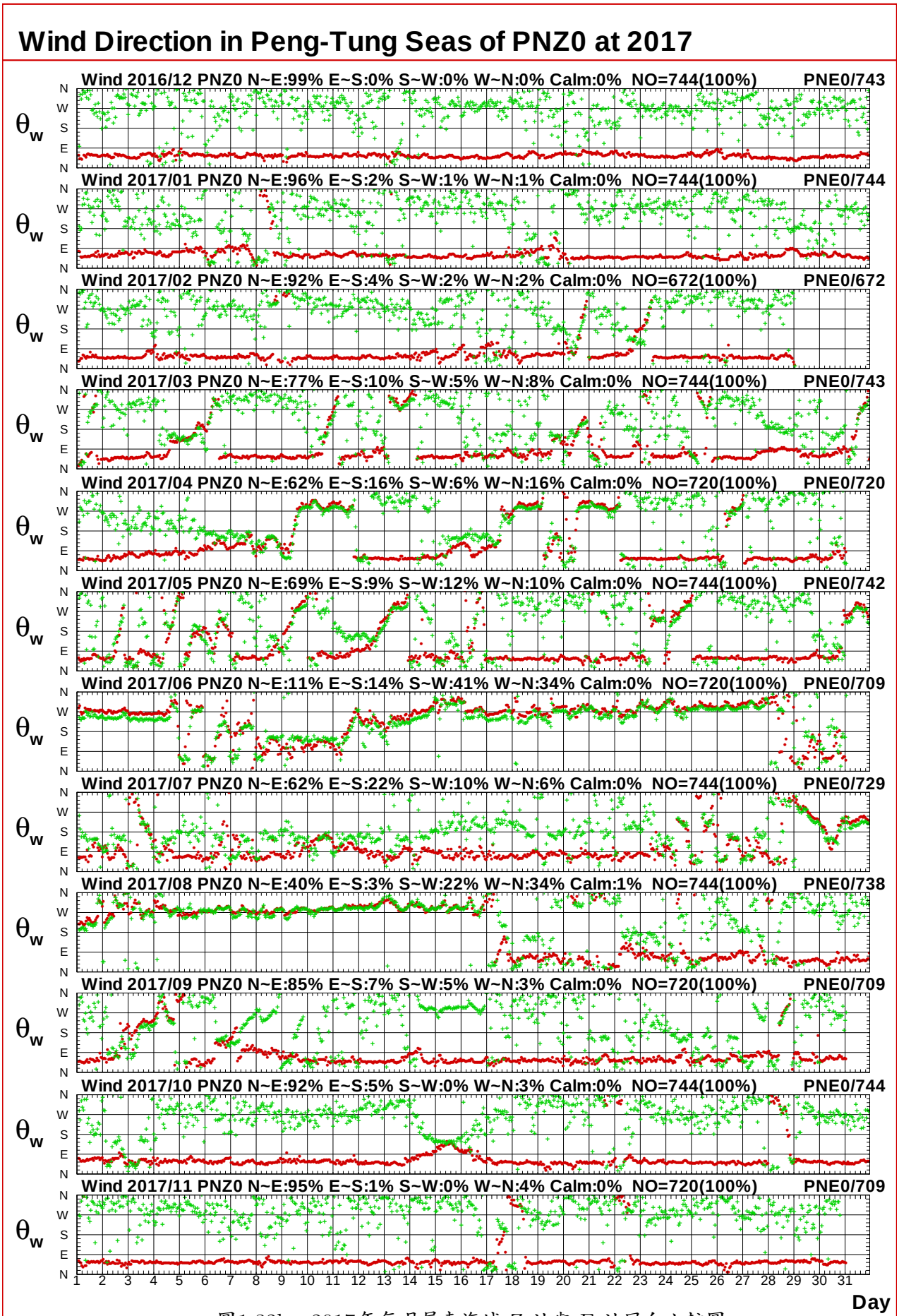

圖1.32b　2017年每月屏東海域 Z 站與 E 站風向比較圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

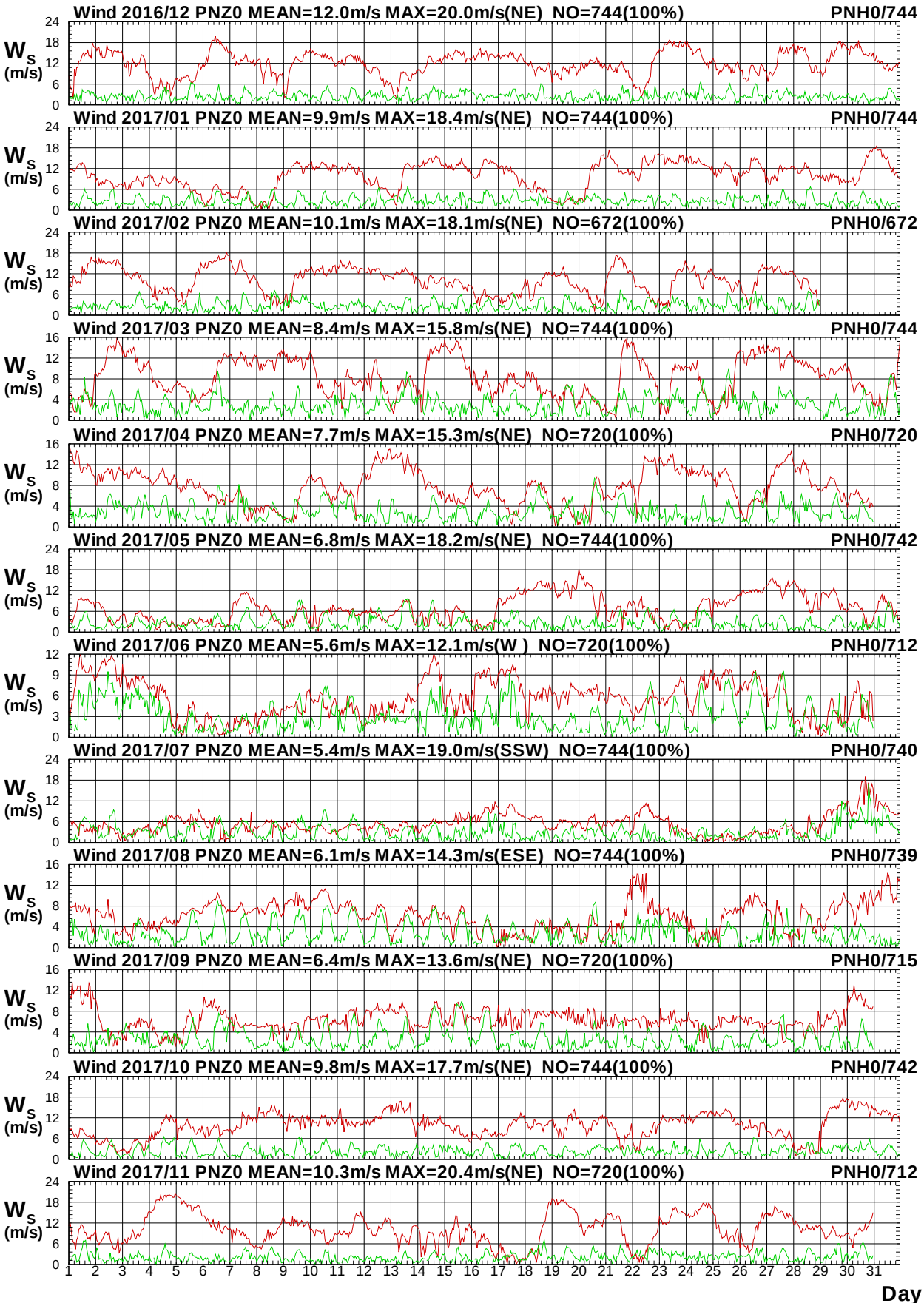

圖1.33a　2017年每月屏東海域 Z 站與 H 站風速比較圖

W16CPNZ0.1HA W16CPNH0.1H0 W171PNZ0.1HA W171PNH0.1H0 W172PNZ0.1HA W172PNH0.1H0
W173PNZ0.1HA W173PNH0.1H0 W174PNZ0.1HA W174PNH0.1H0 W175PNZ0.1HA W175PNH0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

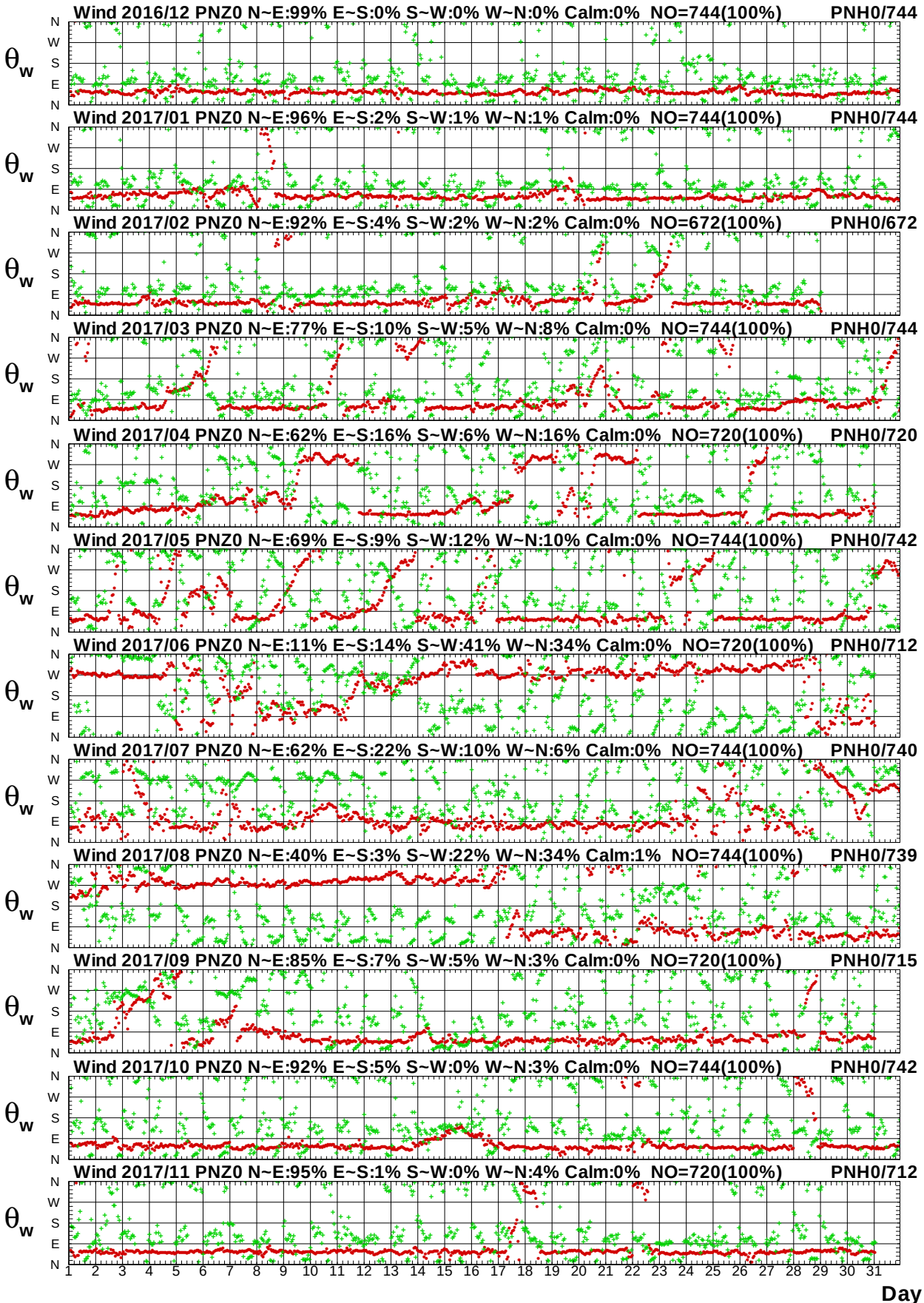

圖1.33b　2017年每月屏東海域 Z 站與 H 站風向比較圖

W16CPNZ0.1HA W16CPNH0.1H0 W171PNZ0.1HA W171PNH0.1H0 W172PNZ0.1HA W172PNH0.1H0
W173PNZ0.1HA W173PNH0.1H0 W174PNZ0.1HA W174PNH0.1H0 W175PNZ0.1HA W175PNH0.1H0

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Wind Speed in Peng-Tung Seas of PNZ0 at 2017

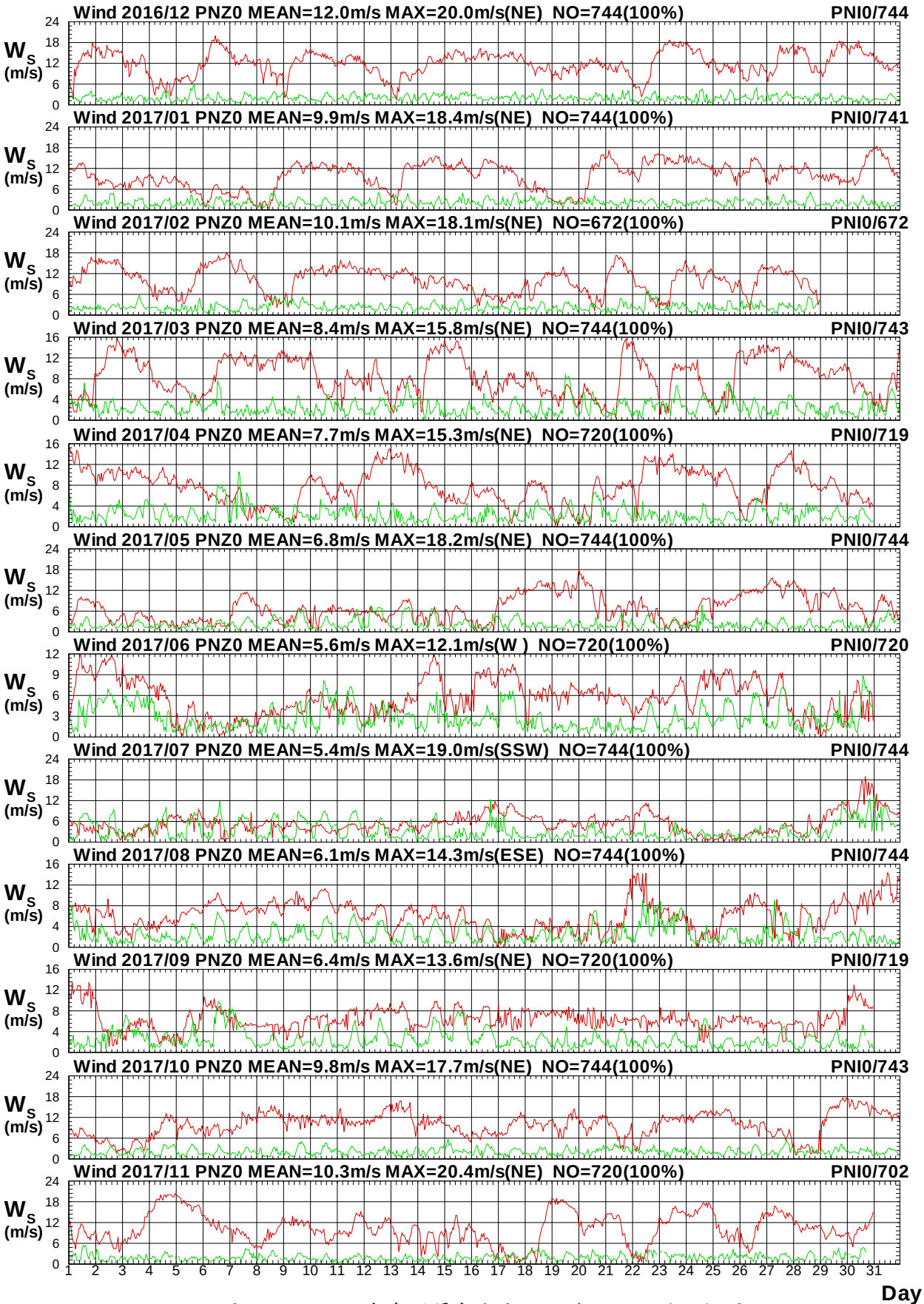

圖1.34a　2017年每月屏東海域 Z 站與 I 站風速比較圖

W16CPNZ0.1HA W16CPNI0.1H0 W171PNZ0.1HA W171PNI0.1H0 W172PNZ0.1HA W172PNI0.1H0
W173PNZ0.1HA W173PNI0.1H0 W174PNZ0.1HA W174PNI0.1H0 W175PNZ0.1HA W175PNI0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

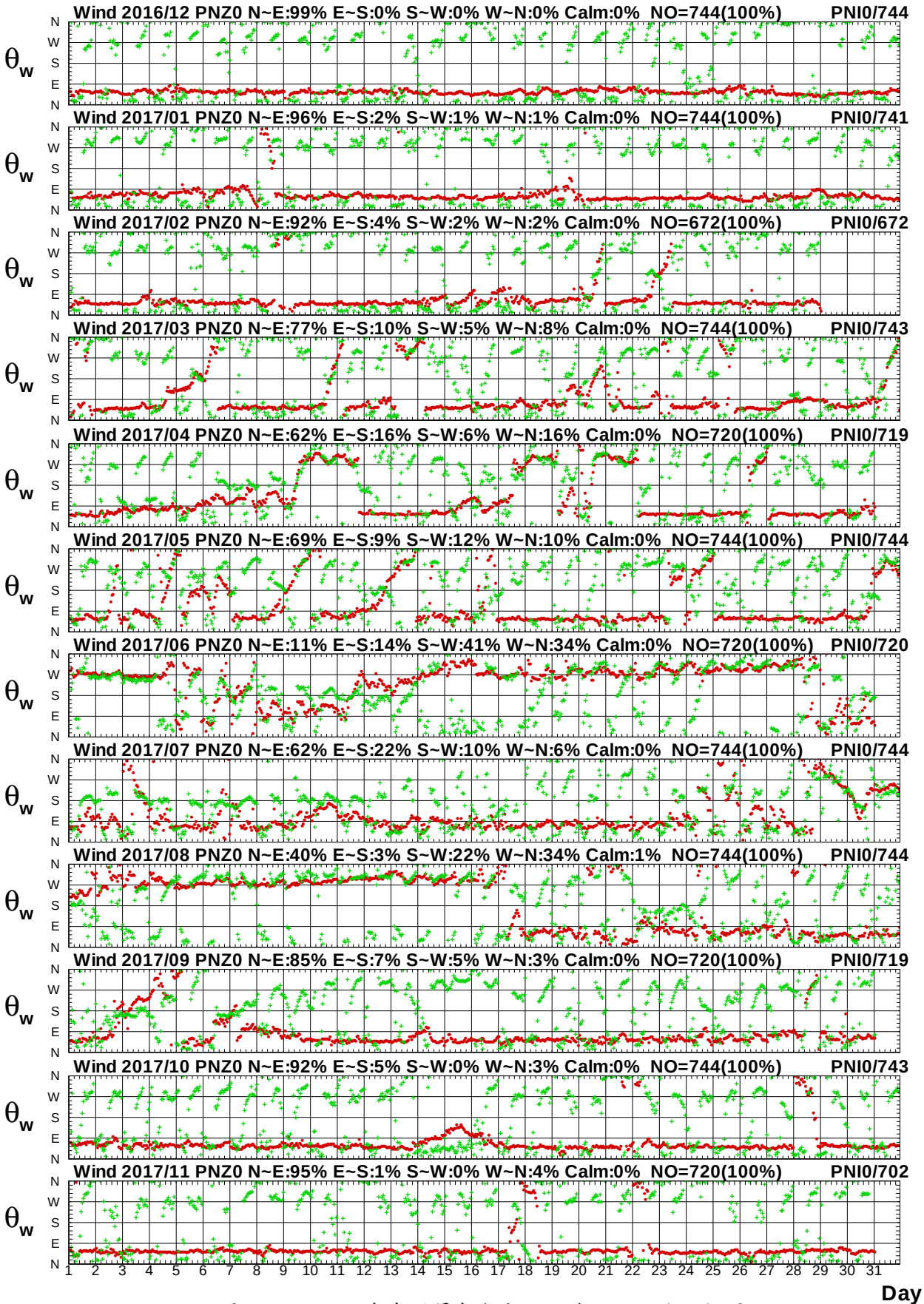

圖1.34b　2017年每月屏東海域 Z 站與 I 站風向比較圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

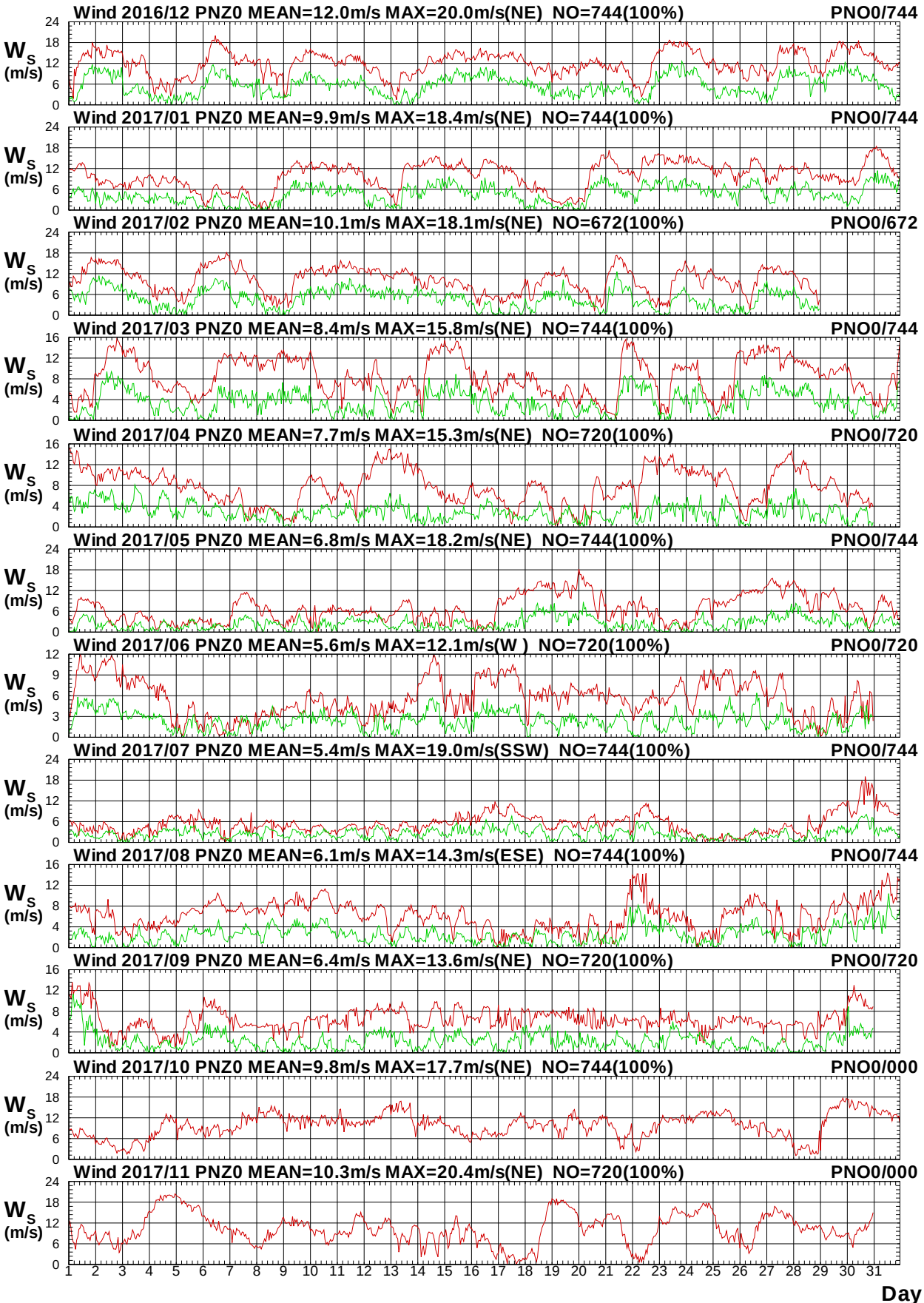

圖1.35a　2017年每月屏東海域 Z 站與 O 站風速比較圖

W16CPNZ0.1HA W16CPNO0.1H0 W171PNZ0.1HA W171PNO0.1H0 W172PNZ0.1HA W172PNO0.1H0
W173PNZ0.1HA W173PNO0.1H0 W174PNZ0.1HA W174PNO0.1H0 W175PNZ0.1HA W175PNO0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

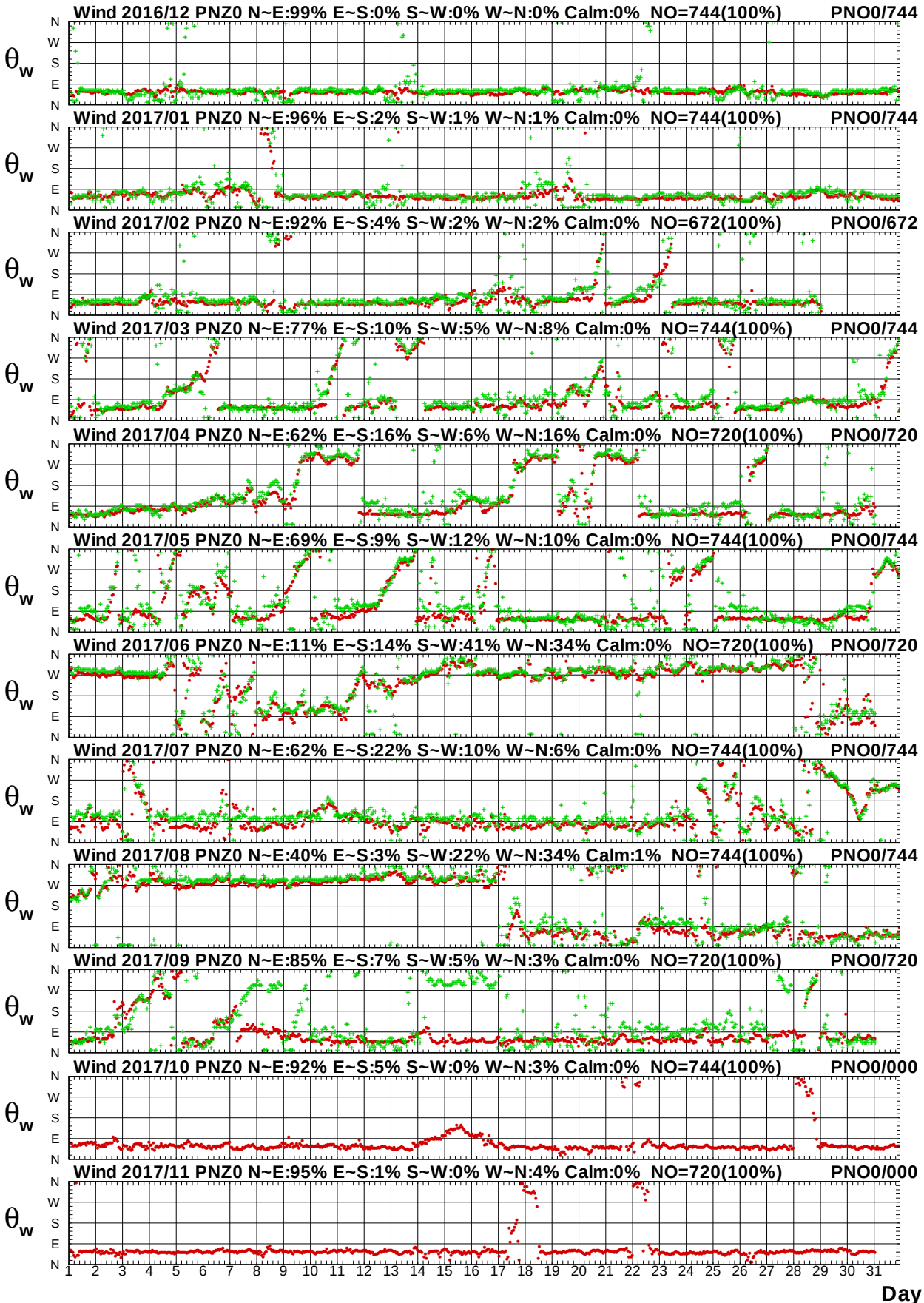

圖1.35b　2017年每月屏東海域 Z 站與 O 站風向比較圖

W16CPNZ0.1HA W16CPNO0.1H0 W171PNZ0.1HA W171PNO0.1H0 W172PNZ0.1HA W172PNO0.1H0
W173PNZ0.1HA W173PNO0.1H0 W174PNZ0.1HA W174PNO0.1H0 W175PNZ0.1HA W175PNO0.1H0

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Wind Speed in Peng-Tung Seas of PNZ0 at 2017

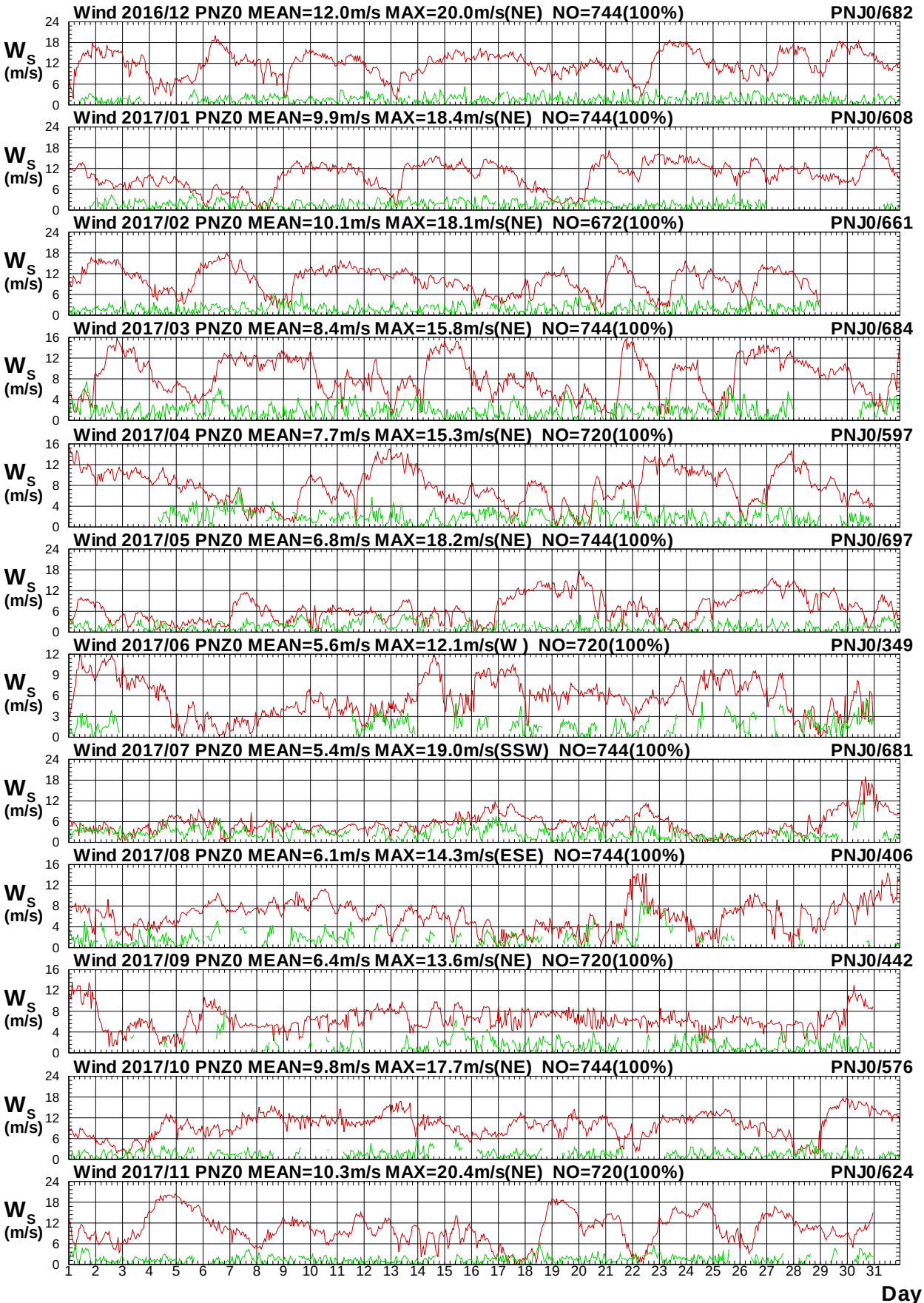

圖1.36a　2017年每月屏東海域 Z 站與 J 站風速比較圖

W16CPNZ0.1HA W16CPNJ0.1H0 W171PNZ0.1HA W171PNJ0.1H0 W172PNZ0.1HA W172PNJ0.1H0
W173PNZ0.1HA W173PNJ0.1H0 W174PNZ0.1HA W174PNJ0.1H0 W175PNZ0.1HA W175PNJ0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

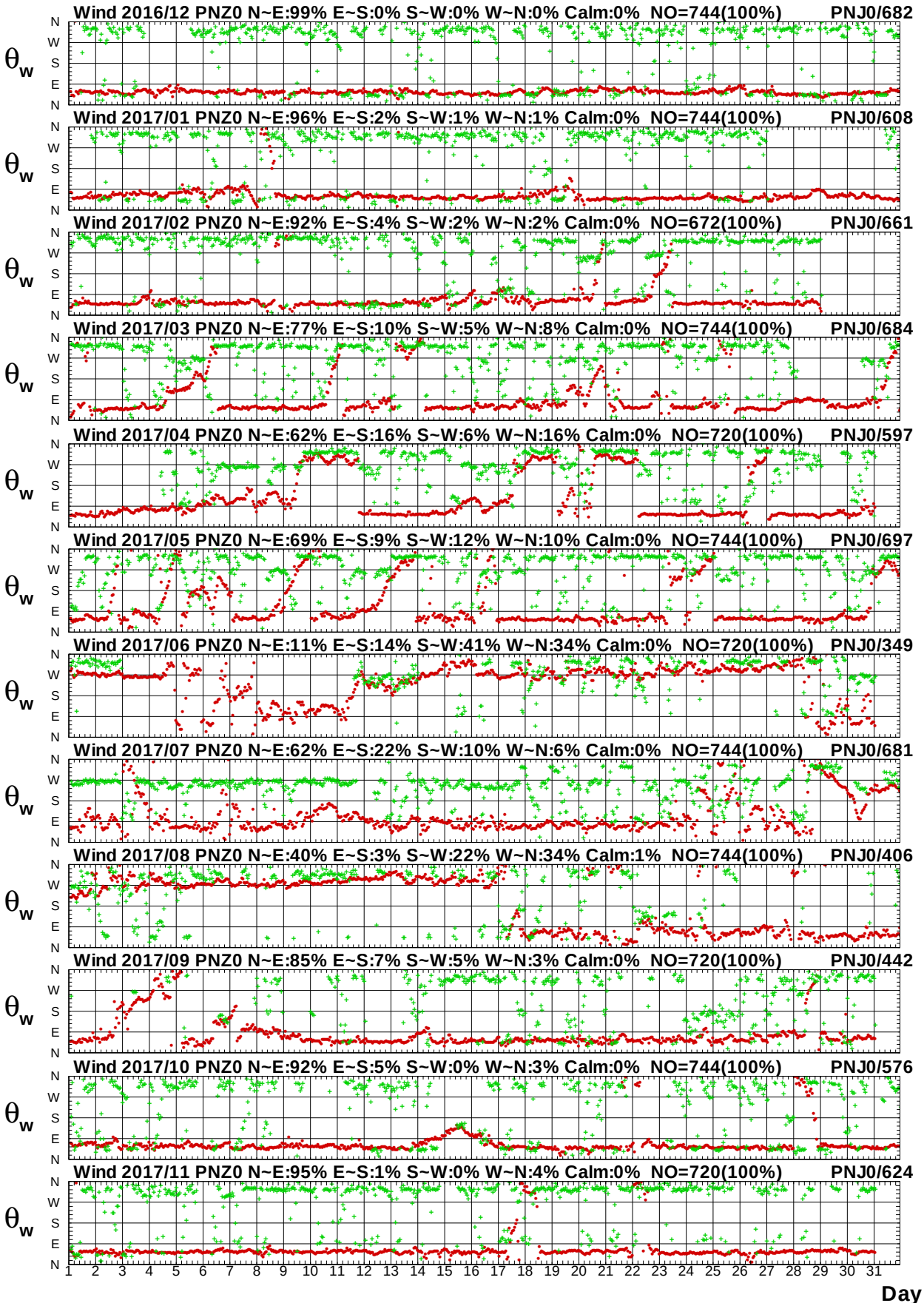

圖1.36b　2017年每月屏東海域 Z 站與 J 站風向比較圖

W16CPNZ0.1HA W16CPNJ0.1H0 W171PNZ0.1HA W171PNJ0.1H0 W172PNZ0.1HA W172PNJ0.1H0
W173PNZ0.1HA W173PNJ0.1H0 W174PNZ0.1HA W174PNJ0.1H0 W175PNZ0.1HA W175PNJ0.1H0

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Wind Speed in Peng-Tung Seas of PNZ0 at 2017

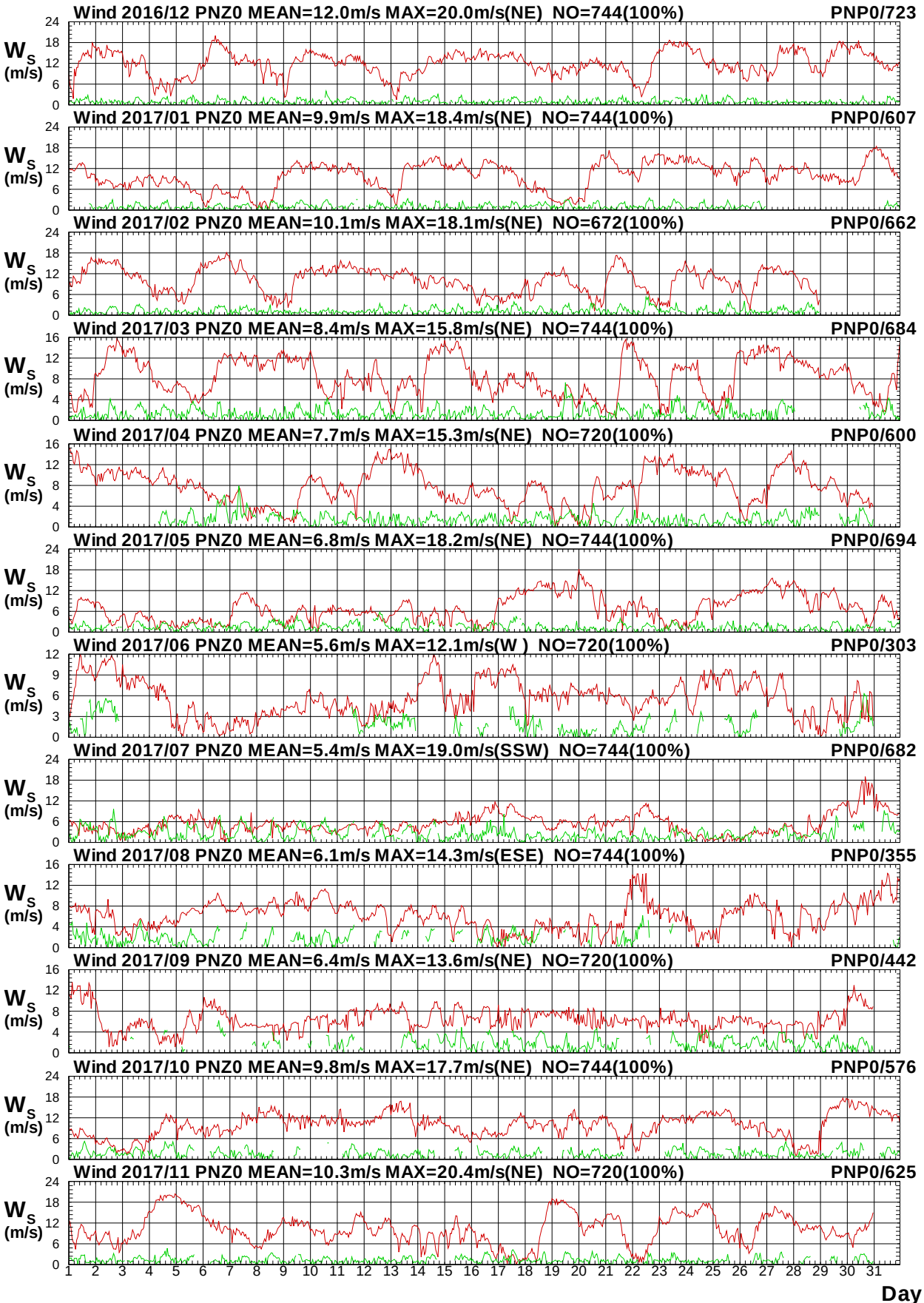

圖1.37a　2017年每月屏東海域 Z 站與 P 站風速比較圖

W16CPNZ0.1HA W16CPNP0.1H0 W171PNZ0.1HA W171PNP0.1H0 W172PNZ0.1HA W172PNP0.1H0
W173PNZ0.1HA W173PNP0.1H0 W174PNZ0.1HA W174PNP0.1H0 W175PNZ0.1HA W175PNP0.1H0

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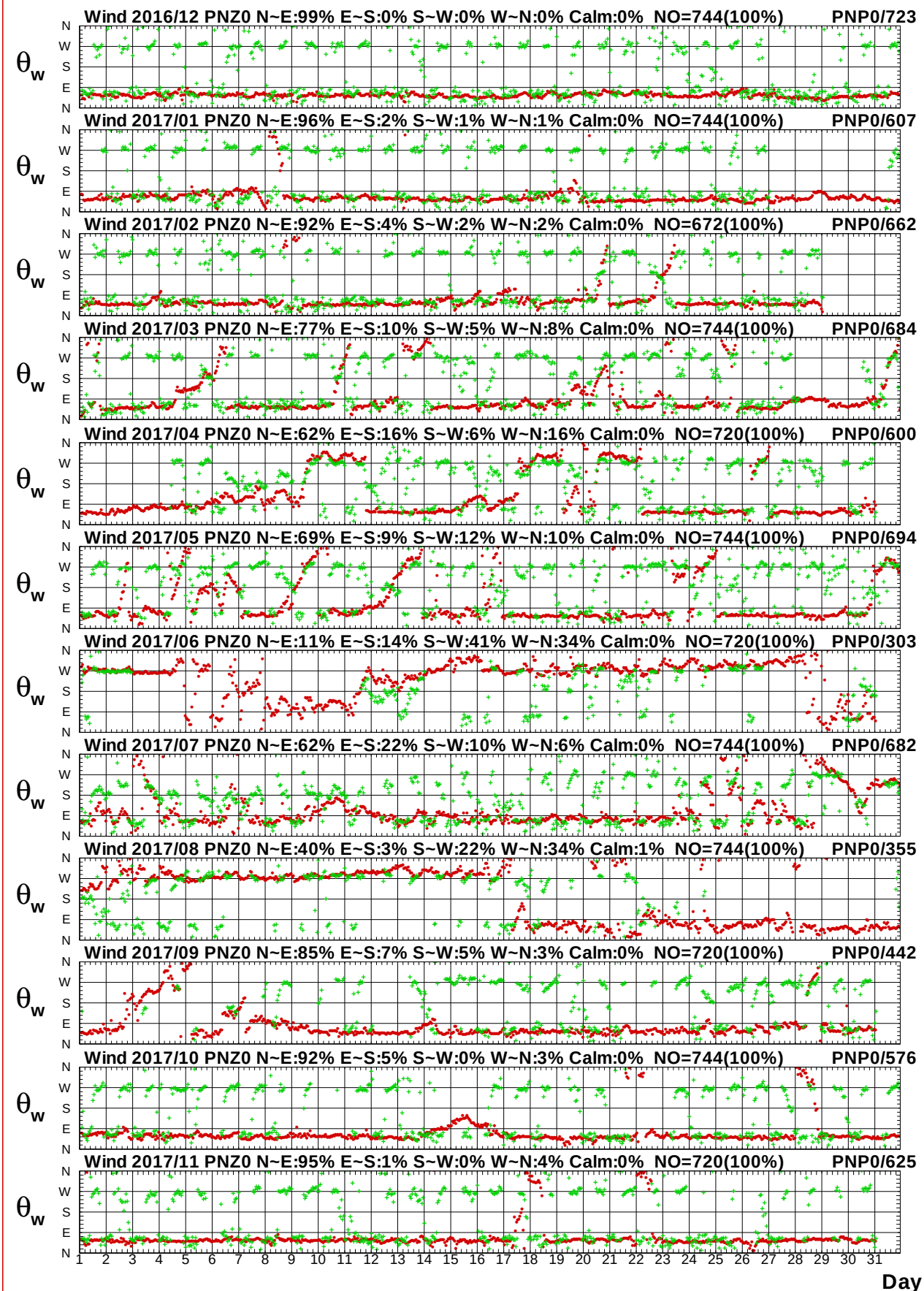

圖1.37b　2017年每月屏東海域 Z 站與 P 站風向比較圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

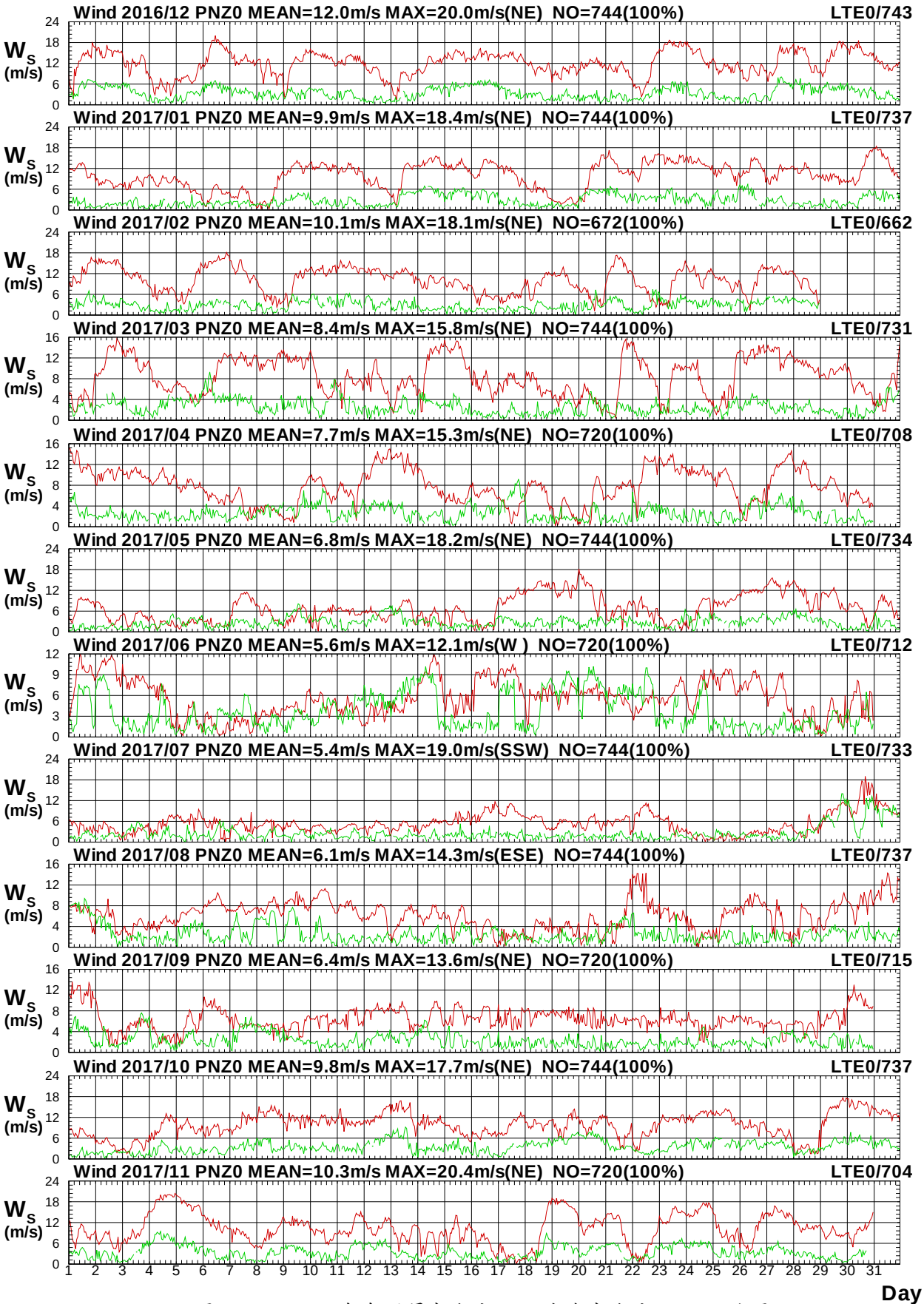

圖1.38a　2017年每月屏東海域 Z 站與臺東海域 E 站風速圖

W16CPNZ0.1HA W16CLTE0.1H0 W171PNZ0.1HA W171LTE0.1H0 W172PNZ0.1HA W172LTE0.1H0
W173PNZ0.1HA W173LTE0.1H0 W174PNZ0.1HA W174LTE0.1H0 W175PNZ0.1HA W175LTE0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

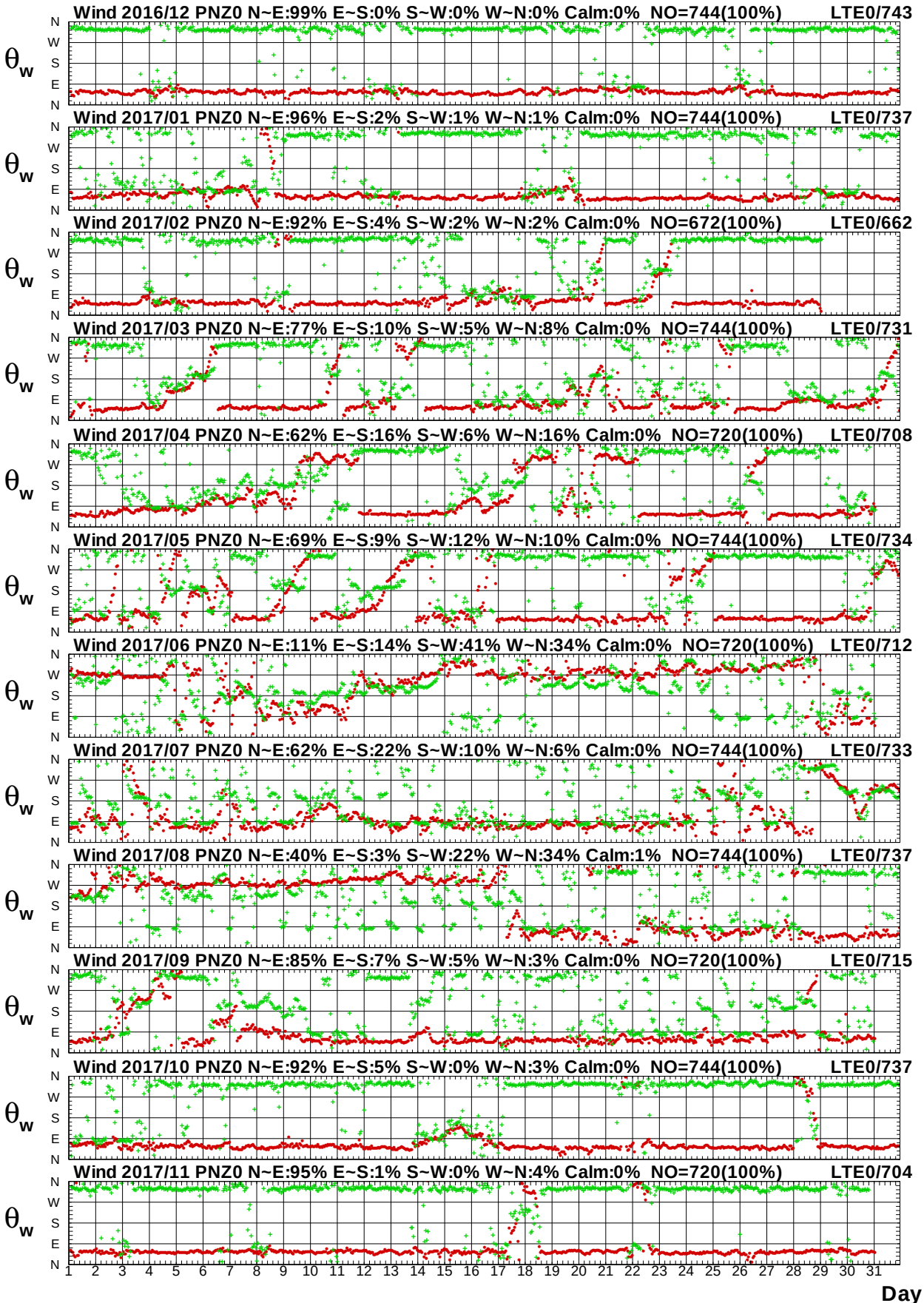

圖1.38b　2017年每月屏東海域 Z 站與臺東海域 E 站風向圖

W16CPNZ0.1HA W16CLTE0.1H0 W171PNZ0.1HA W171LTE0.1H0 W172PNZ0.1HA W172LTE0.1H0
W173PNZ0.1HA W173LTE0.1H0 W174PNZ0.1HA W174LTE0.1H0 W175PNZ0.1HA W175LTE0.1H0

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Wind Speed in Peng-Tung Seas of PNZ0 at 2017

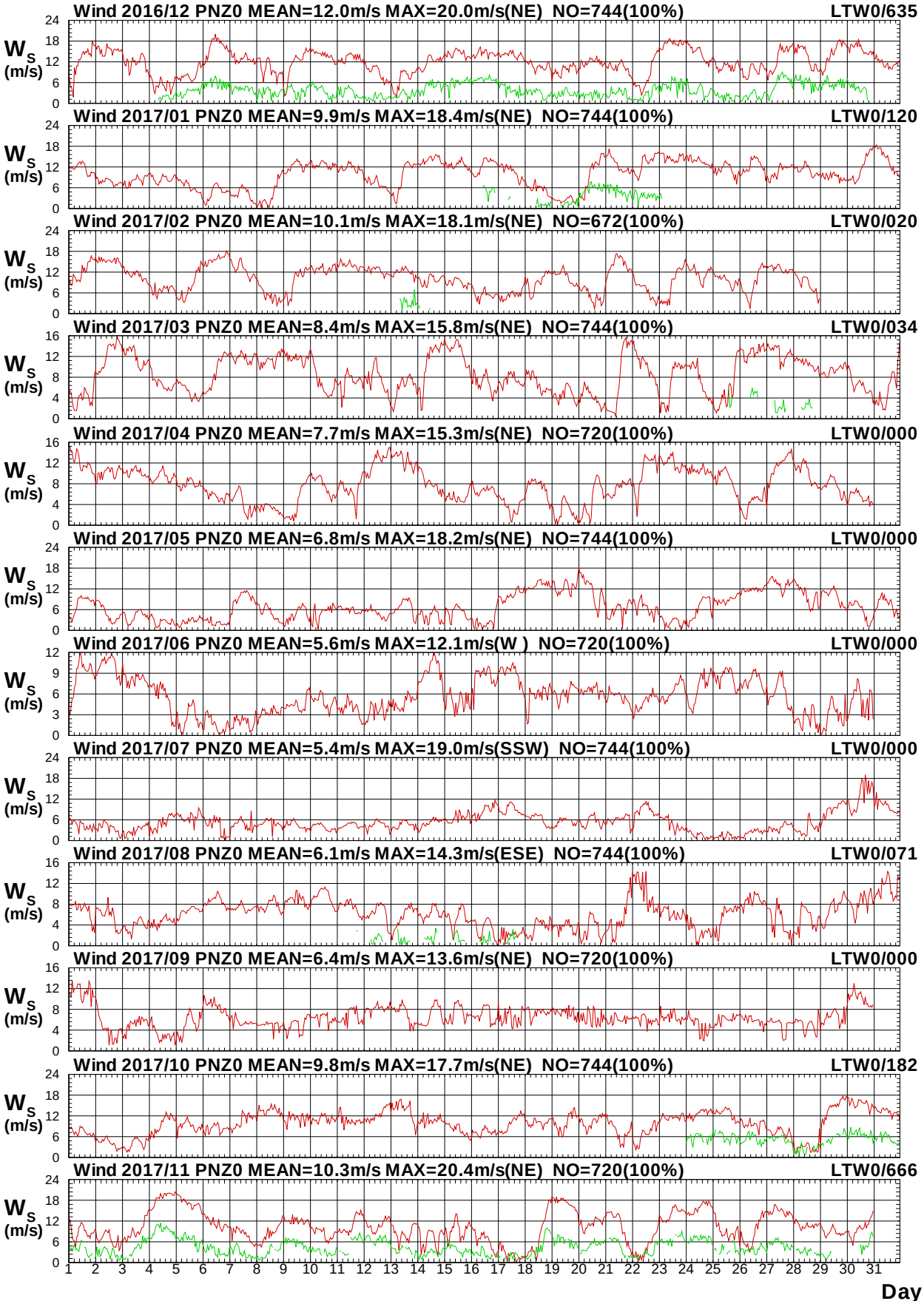

圖1.39a　2017年每月屏東海域 Z 站與臺東海域 W 站風速圖

W16CPNZ0.1HA W16CLTW0.1H0 W171PNZ0.1HA W171LTW0.1H0 W172PNZ0.1HA W172LTW0.1H0
W173PNZ0.1HA W173LTW0.1H0 W174PNZ0.1HA W174LTW0.1H0 W175PNZ0.1HA W175LTW0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

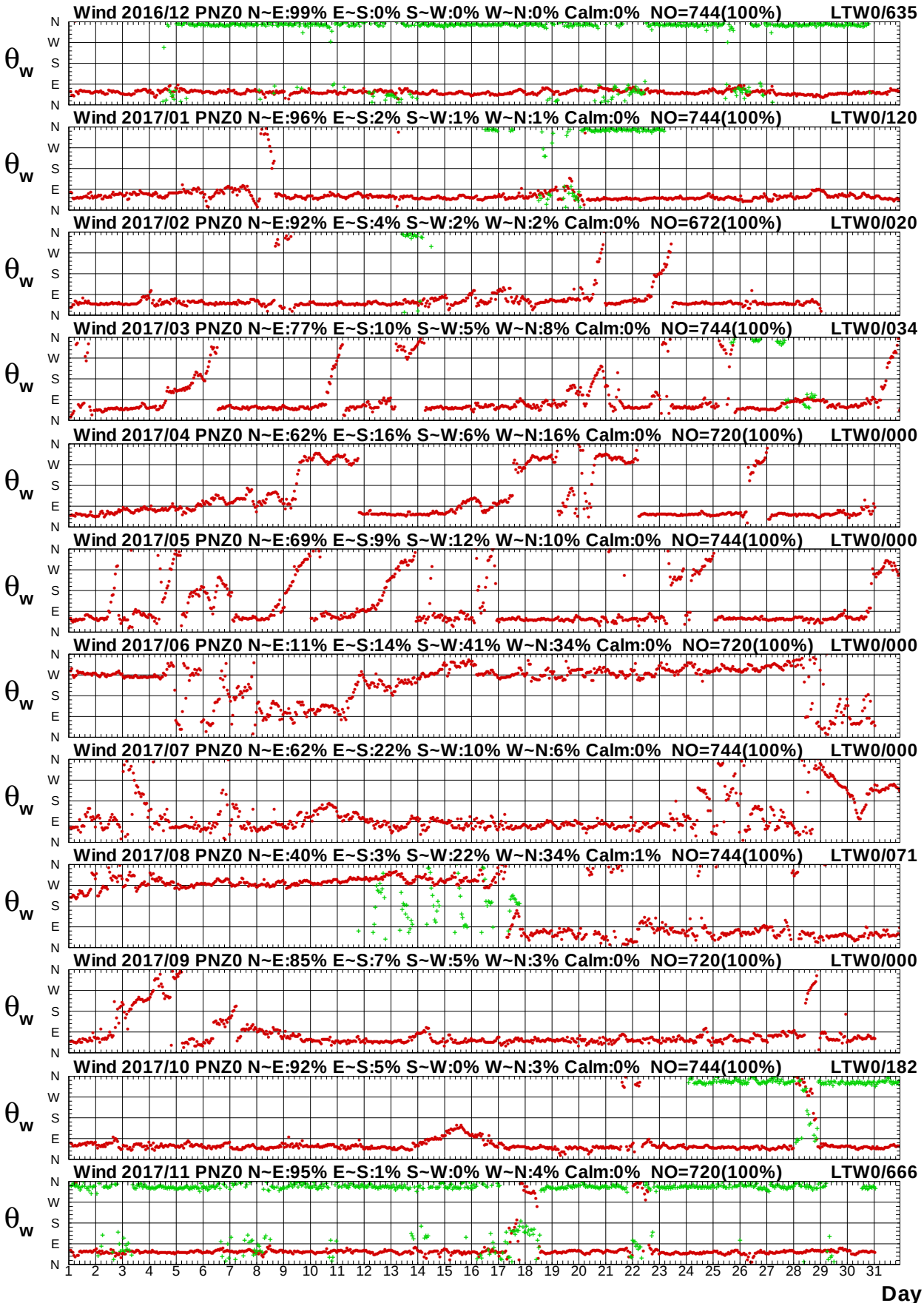

圖1.39b　2017年每月屏東海域 Z 站與臺東海域 W 站風向圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

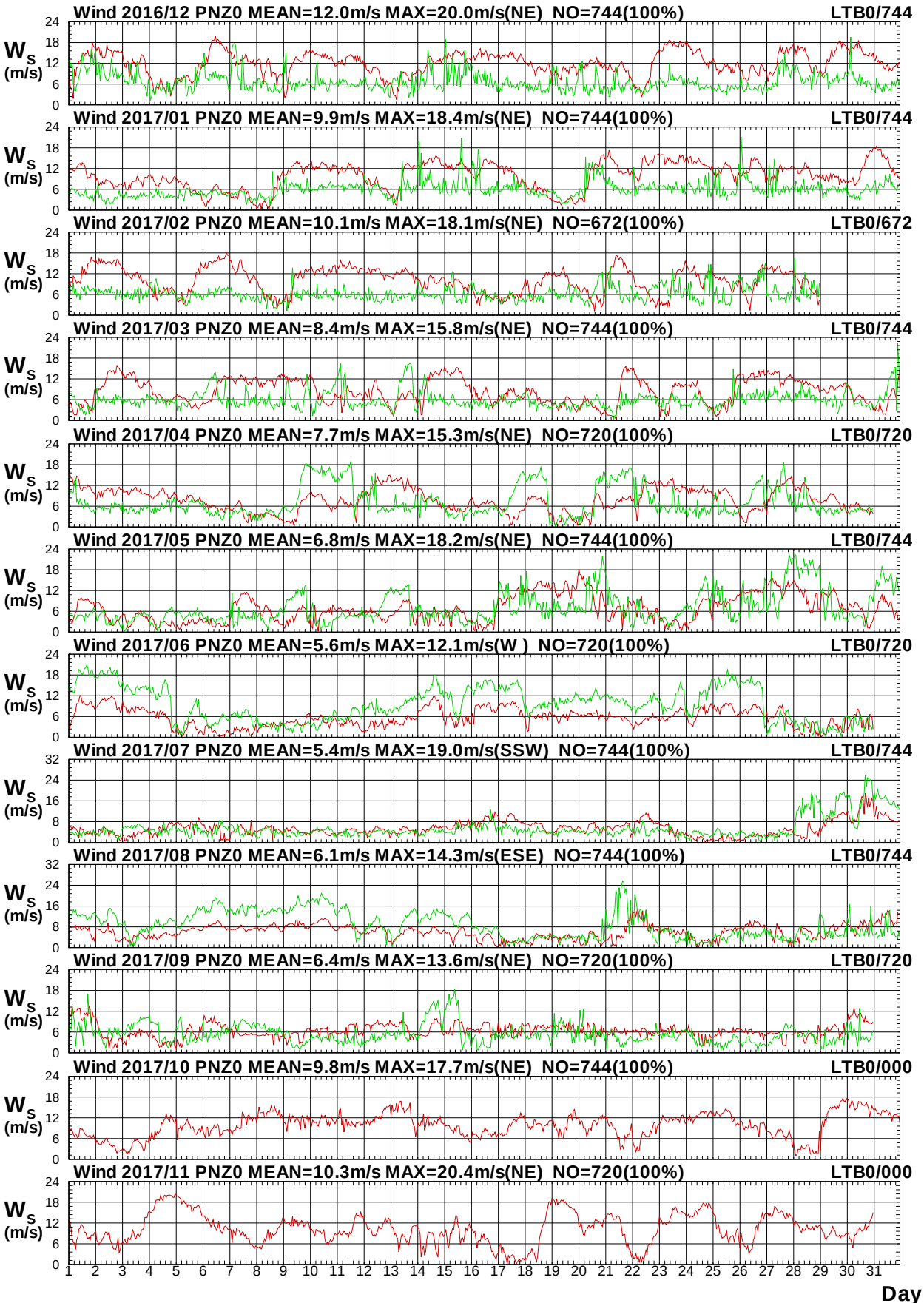

圖1.40a　2017年每月屏東海域 Z 站與臺東海域 B 站風速圖

W16CPNZ0.1HA W16CLTB0.1H0 W171PNZ0.1HA W171LTB0.1H0 W172PNZ0.1HA W172LTB0.1H0
W173PNZ0.1HA W173LTB0.1H0 W174PNZ0.1HA W174LTB0.1H0 W175PNZ0.1HA W175LTB0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

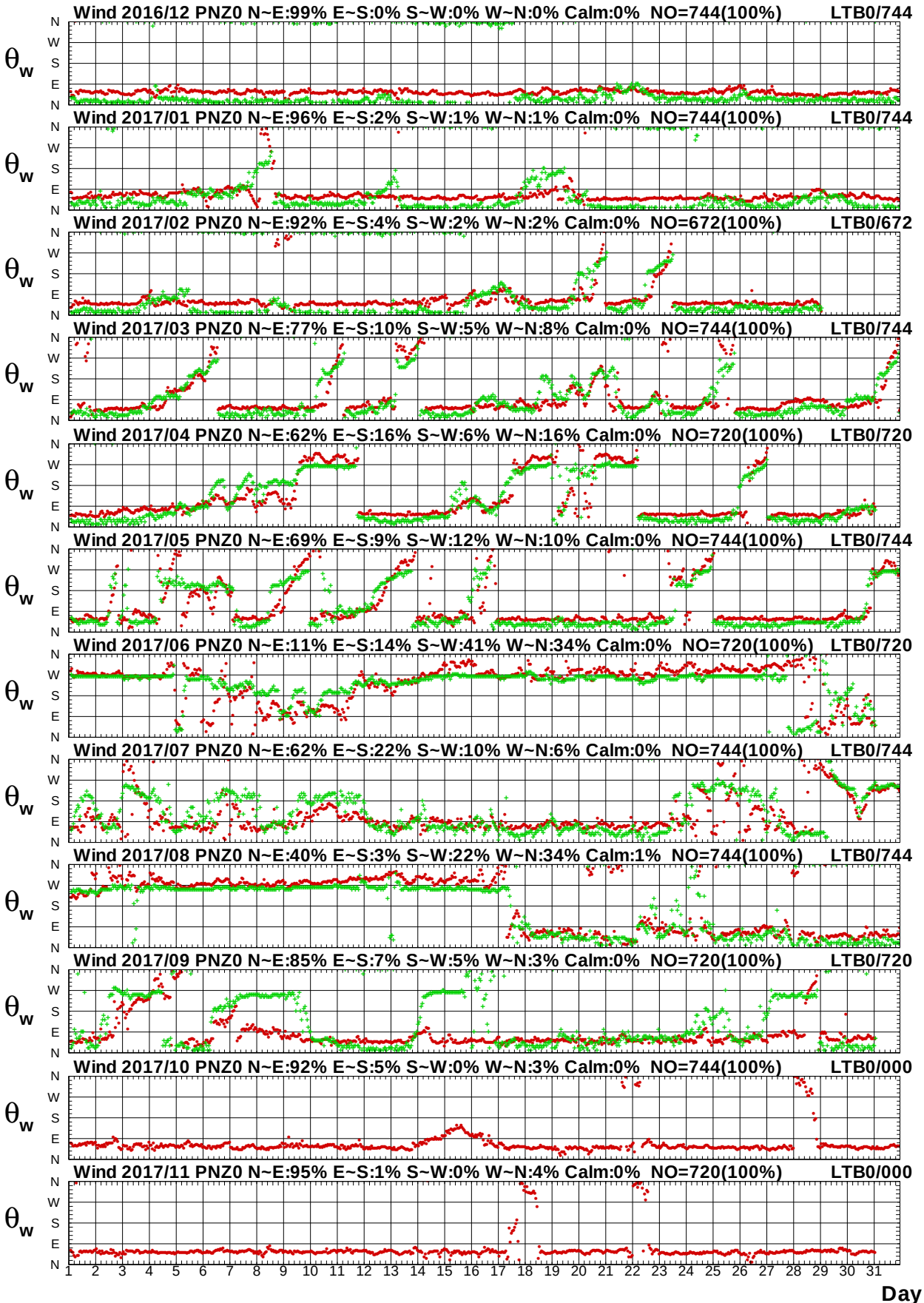

圖1.40b　2017年每月屏東海域 Z 站與臺東海域 B 站風向圖

W16CPNZ0.1HA W16CLTB0.1H0 W171PNZ0.1HA W171LTB0.1H0 W172PNZ0.1HA W172LTB0.1H0
W173PNZ0.1HA W173LTB0.1H0 W174PNZ0.1HA W174LTB0.1H0 W175PNZ0.1HA W175LTB0.1H0

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Wind Speed in Peng-Tung Seas of PNZ0 at 2017

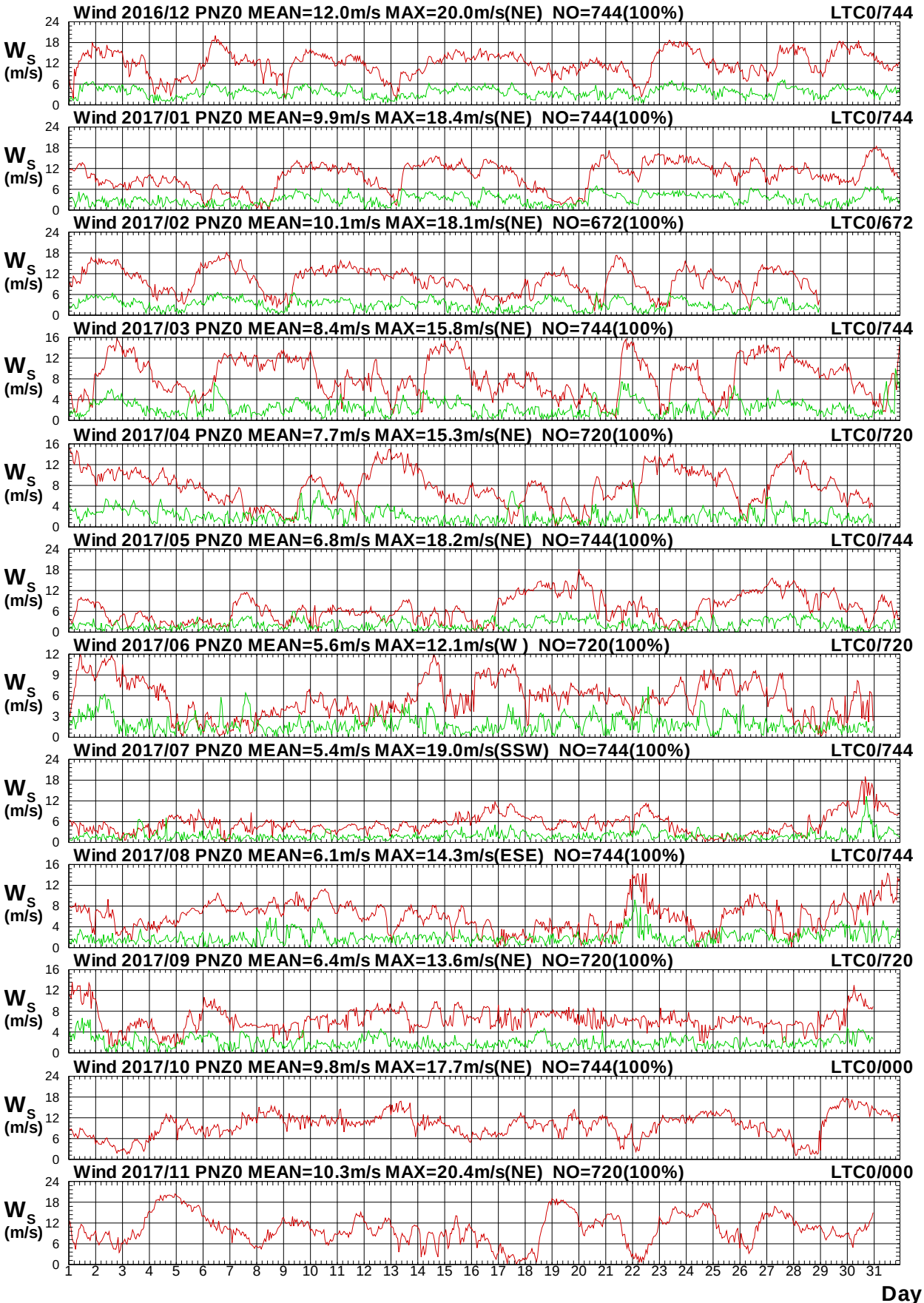

圖1.41a　2017年每月屏東海域 Z 站與臺東海域 C 站風速圖

W16CPNZ0.1HA W16CLTC0.1H0 W171PNZ0.1HA W171LTC0.1H0 W172PNZ0.1HA W172LTC0.1H0
W173PNZ0.1HA W173LTC0.1H0 W174PNZ0.1HA W174LTC0.1H0 W175PNZ0.1HA W175LTC0.1H0

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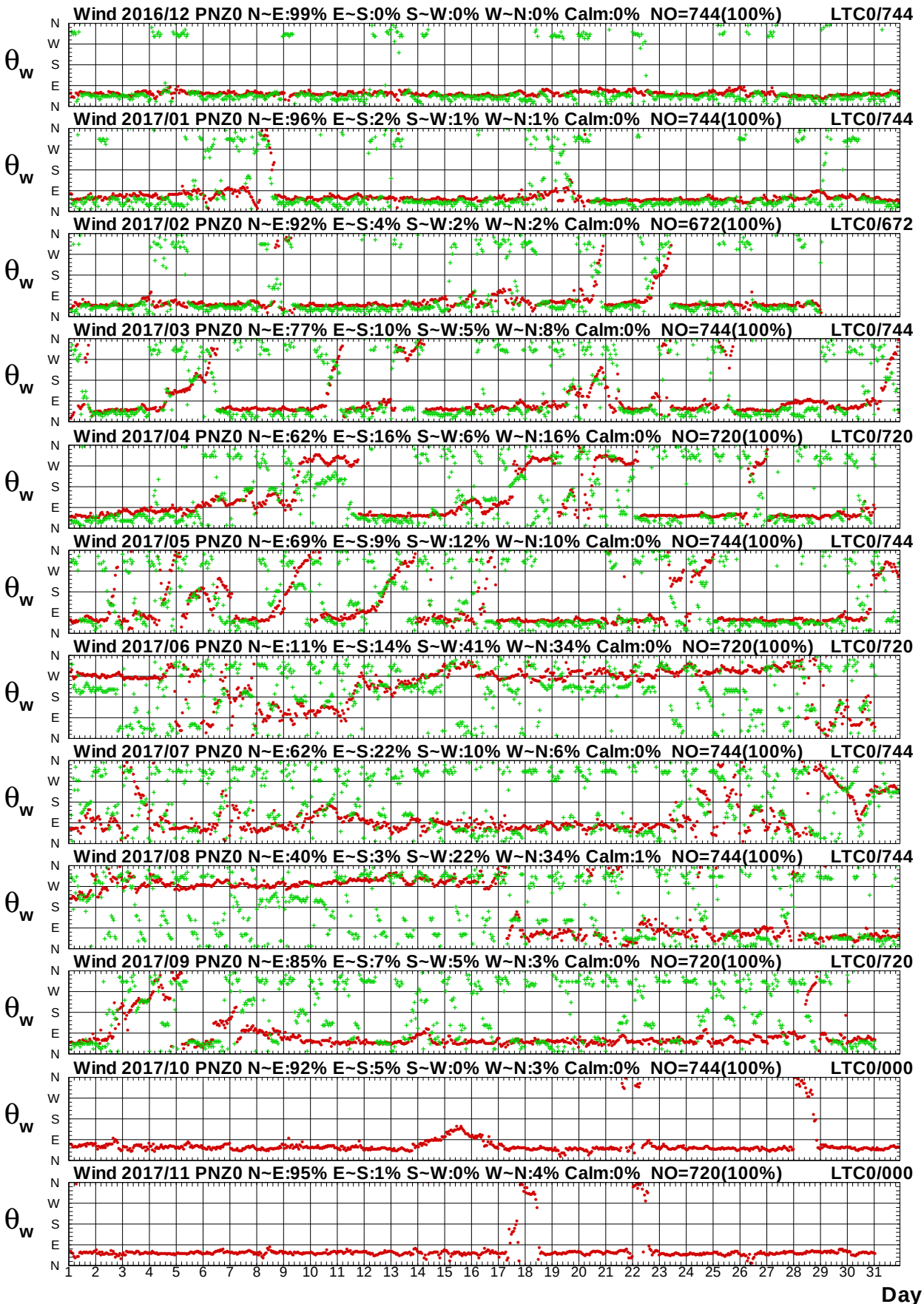

圖1.41b　2017年每月屏東海域 Z 站與臺東海域 C 站風向圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

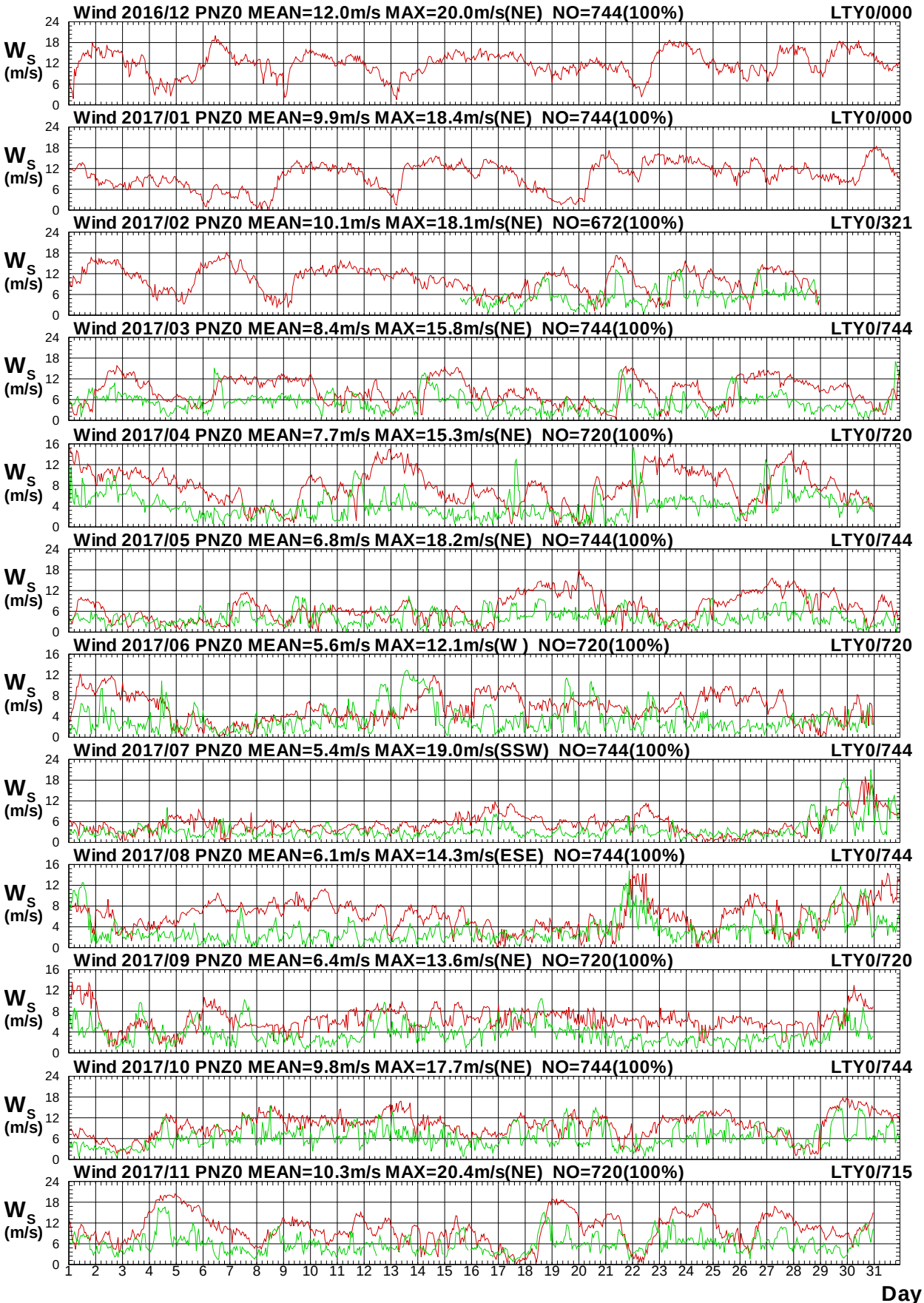

圖1.42a　2017年每月屏東海域 Z 站與臺東海域 Y 站風速圖

W16CPNZ0.1HA W16CLTY0.1H0 W171PNZ0.1HA W171LTY0.1H0 W172PNZ0.1HA W172LTY0.1H0
W173PNZ0.1HA W173LTY0.1H0 W174PNZ0.1HA W174LTY0.1H0 W175PNZ0.1HA W175LTY0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

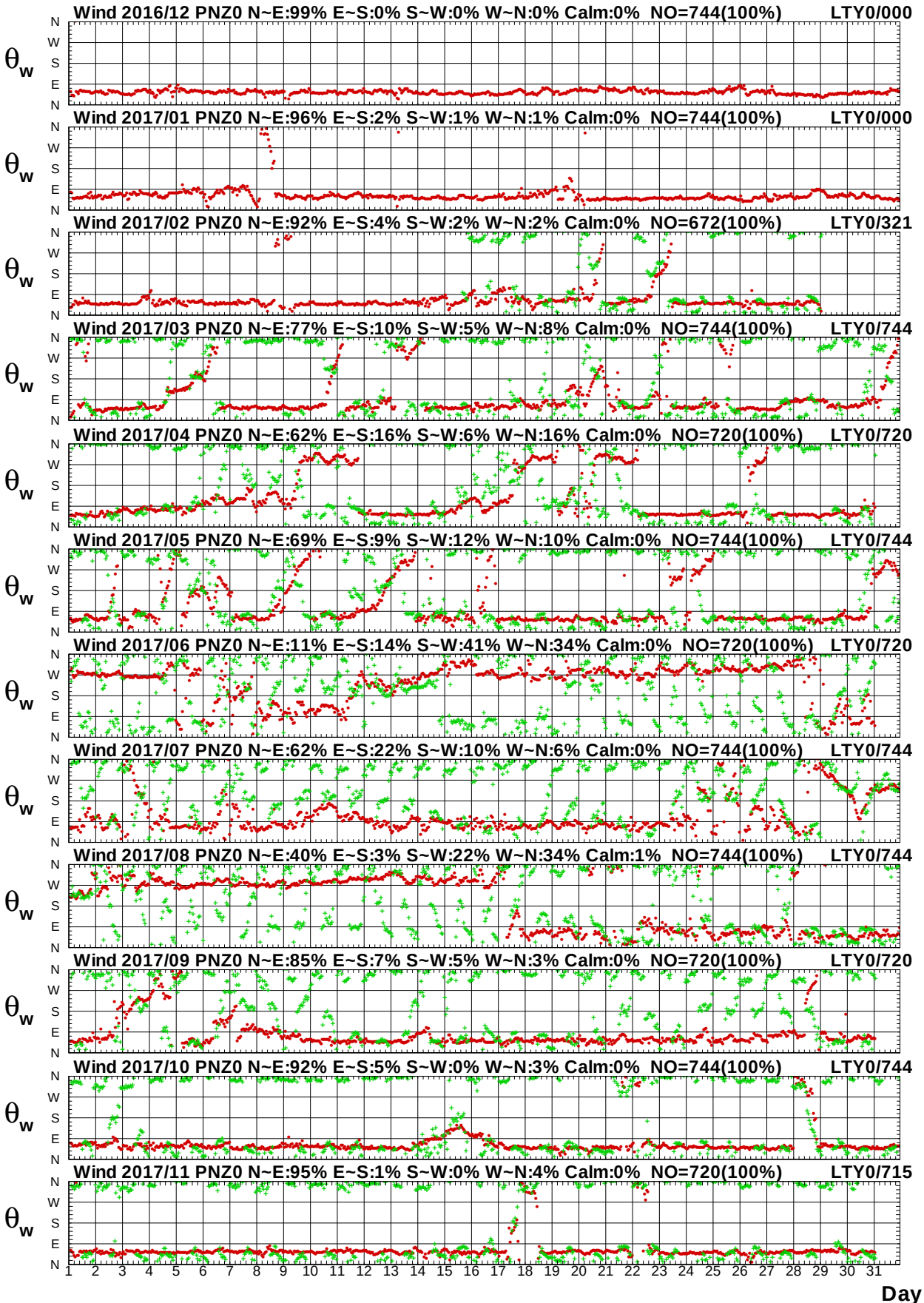

圖1.42b　2017年每月屏東海域 Z 站與臺東海域 Y 站風向圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

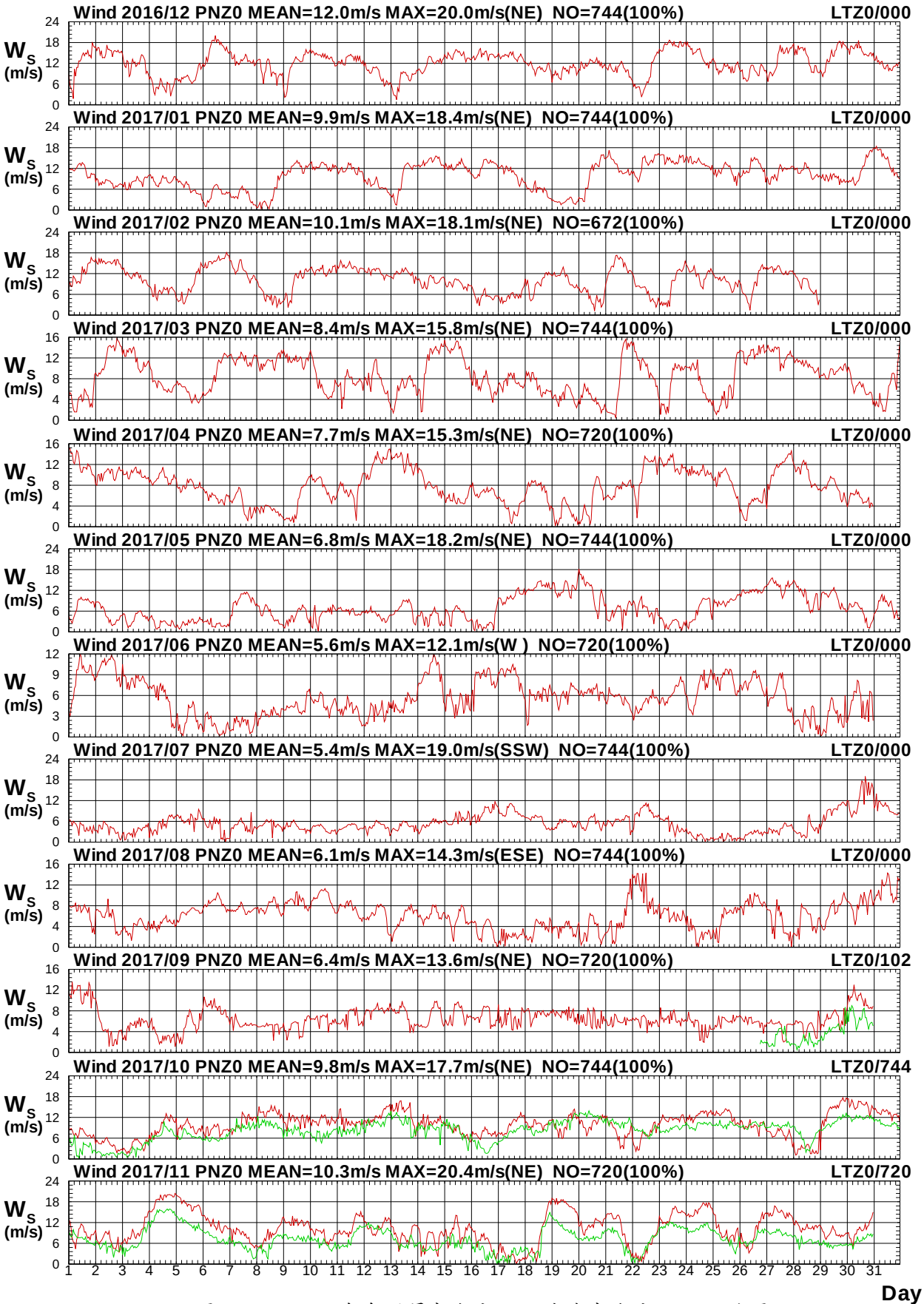

圖1.43a　2017年每月屏東海域 Z 站與臺東海域 Z 站風速圖

W16CPNZ0.1HA W16CLTZ0.1H0 W171PNZ0.1HA W171LTZ0.1H0 W172PNZ0.1HA W172LTZ0.1H0
W173PNZ0.1HA W173LTZ0.1H0 W174PNZ0.1HA W174LTZ0.1H0 W175PNZ0.1HA W175LTZ0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

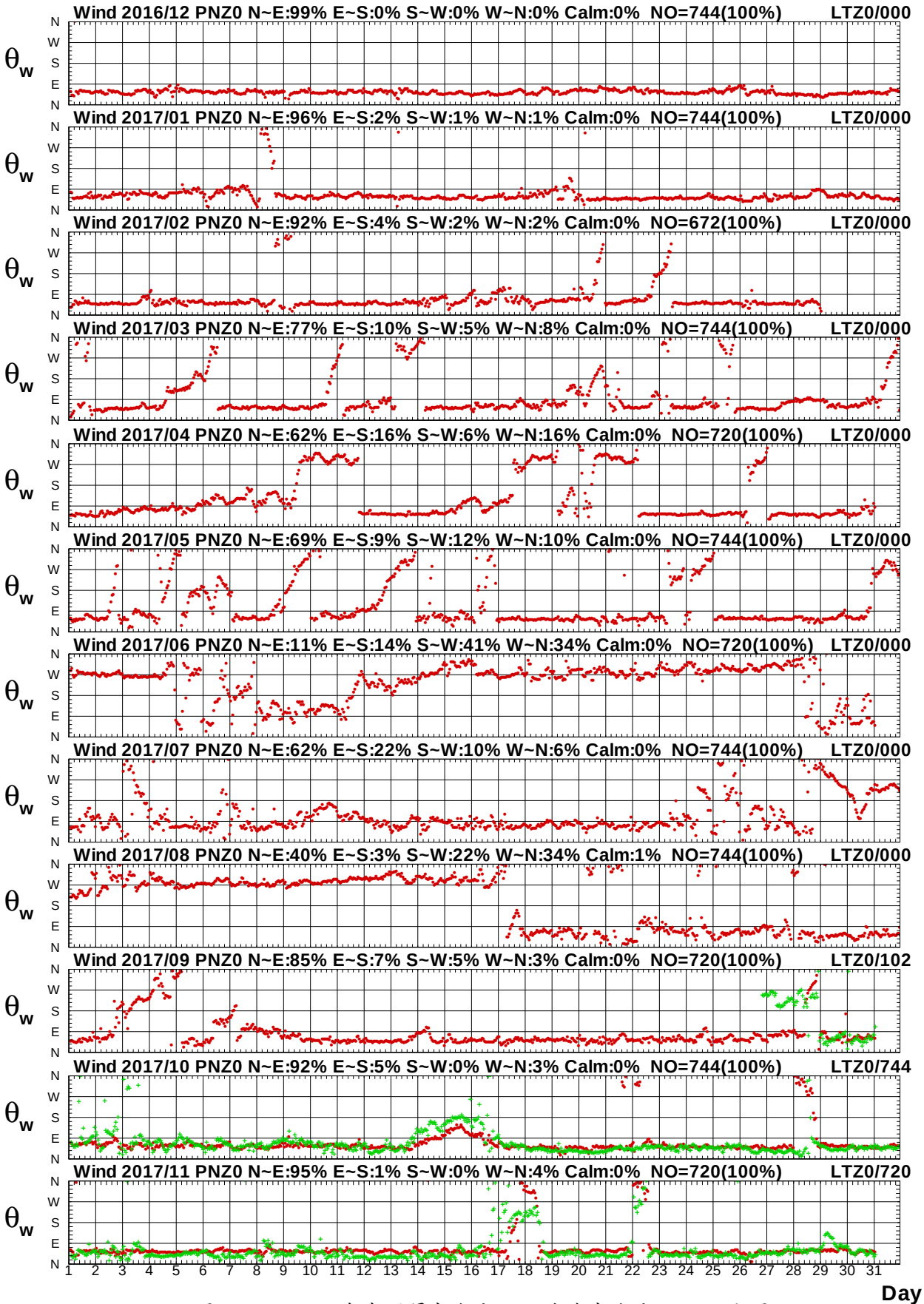

圖1.43b　2017年每月屏東海域 Z 站與臺東海域 Z 站風向圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

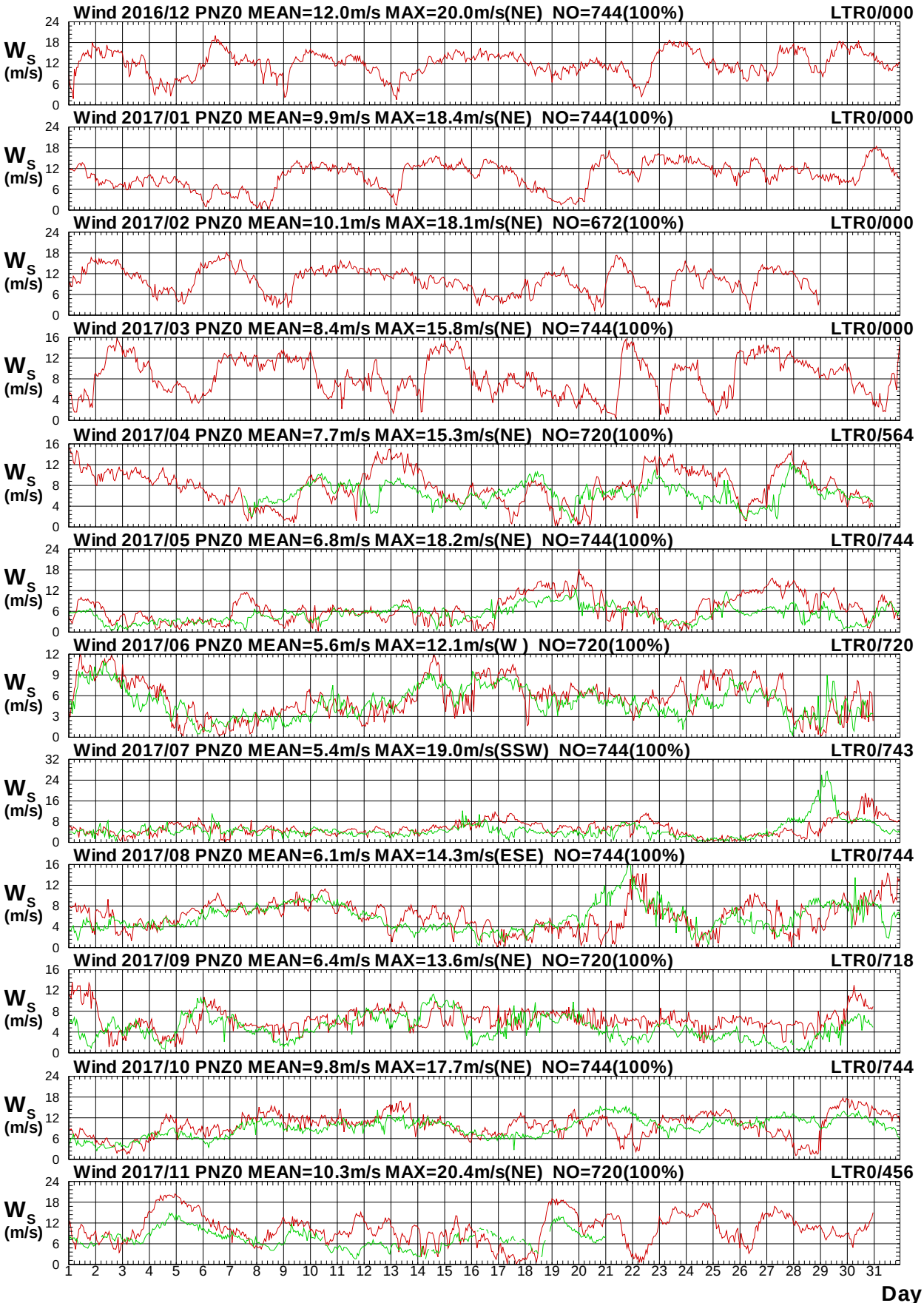

圖1.44a　2017年每月屏東海域 Z 站與臺東海域 R 站風速圖

W16CPNZ0.1HA W16CLTR0.1H0 W171PNZ0.1HA W171LTR0.1H0 W172PNZ0.1HA W172LTR0.1H0
W173PNZ0.1HA W173LTR0.1H0 W174PNZ0.1HA W174LTR0.1H0 W175PNZ0.1HA W175LTR0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

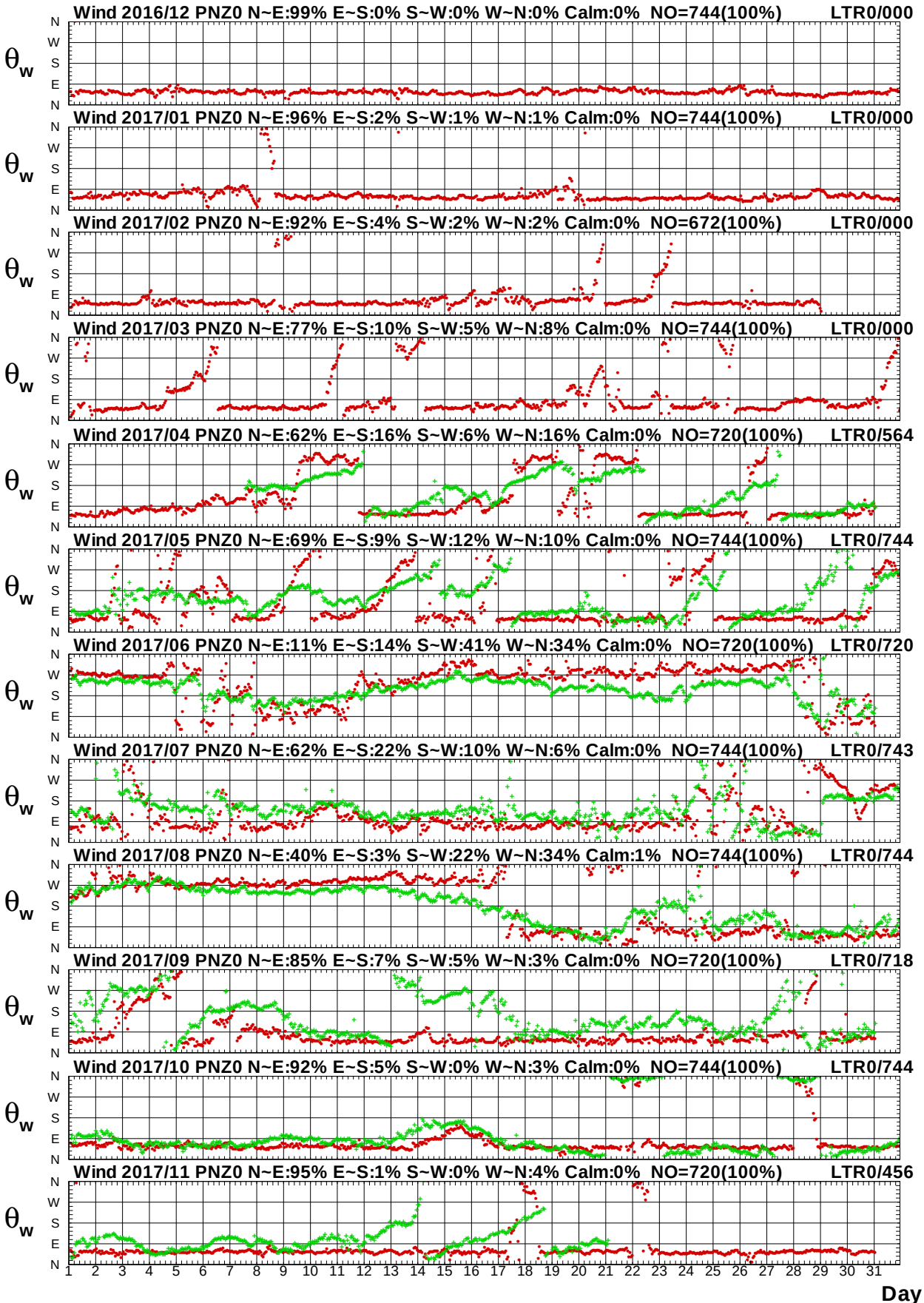

圖1.44b　2017年每月屏東海域 Z 站與臺東海域 R 站風向圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

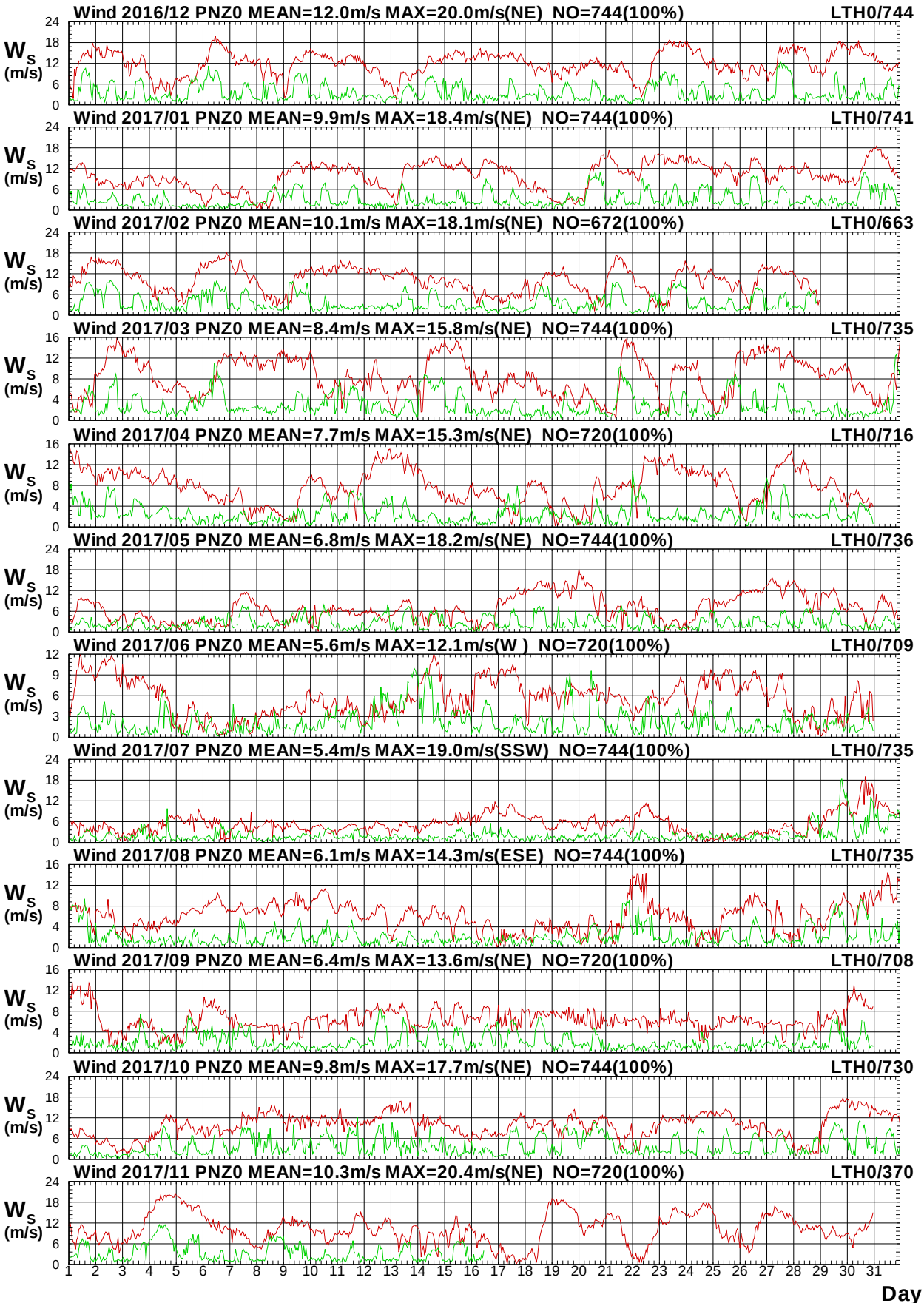

圖1.45a　2017年每月屏東海域 Z 站與臺東海域 H 站風速圖

W16CPNZ0.1HA W16CLTH0.1H0 W171PNZ0.1HA W171LTH0.1H0 W172PNZ0.1HA W172LTH0.1H0
W173PNZ0.1HA W173LTH0.1H0 W174PNZ0.1HA W174LTH0.1H0 W175PNZ0.1HA W175LTH0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

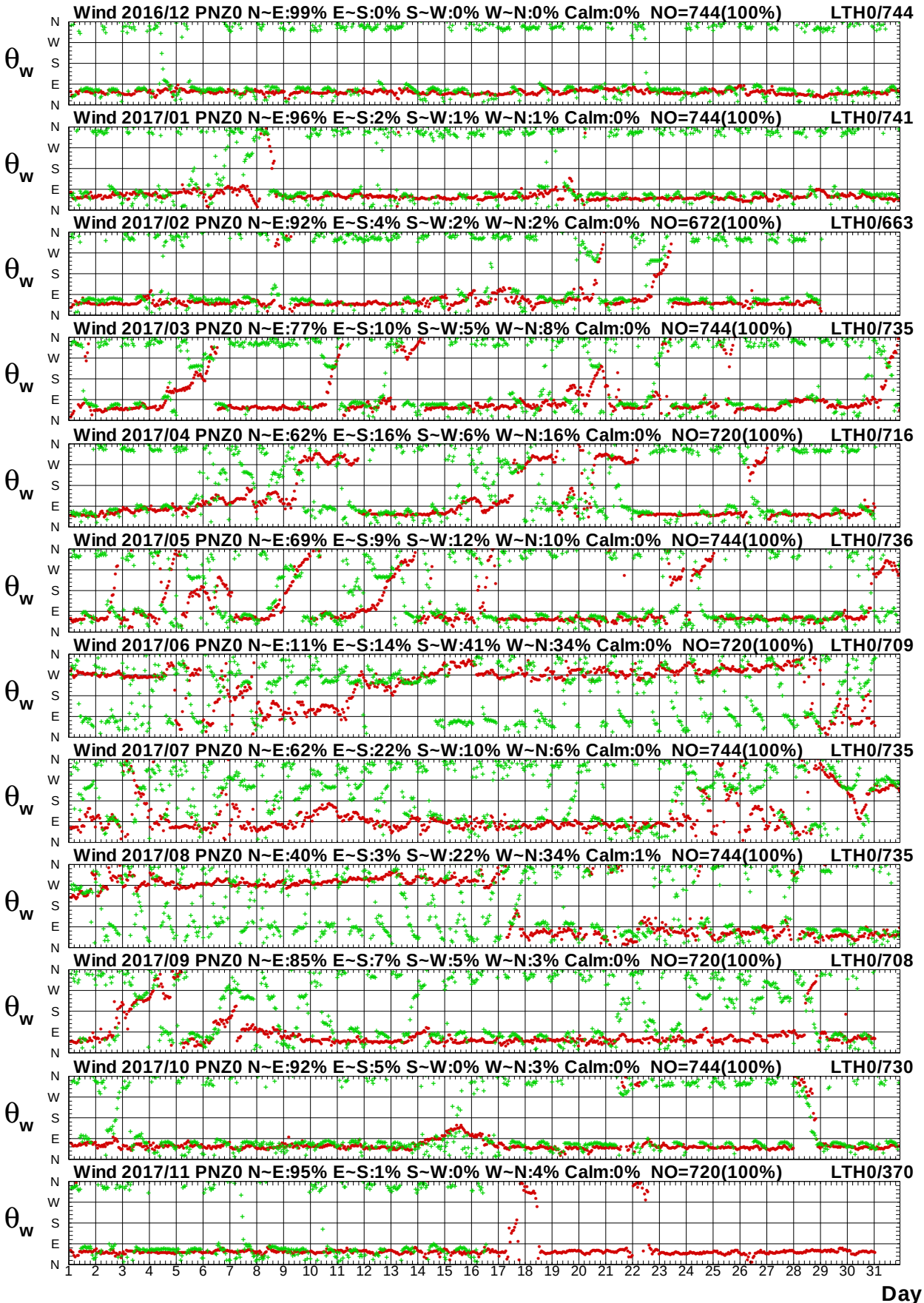

圖1.45b　2017年每月屏東海域 Z 站與臺東海域 H 站風向圖

W16CPNZ0.1HA W16CLTH0.1H0 W171PNZ0.1HA W171LTH0.1H0 W172PNZ0.1HA W172LTH0.1H0
W173PNZ0.1HA W173LTH0.1H0 W174PNZ0.1HA W174LTH0.1H0 W175PNZ0.1HA W175LTH0.1H0

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Wind Speed in Peng-Tung Seas of PNZ0 at 2017

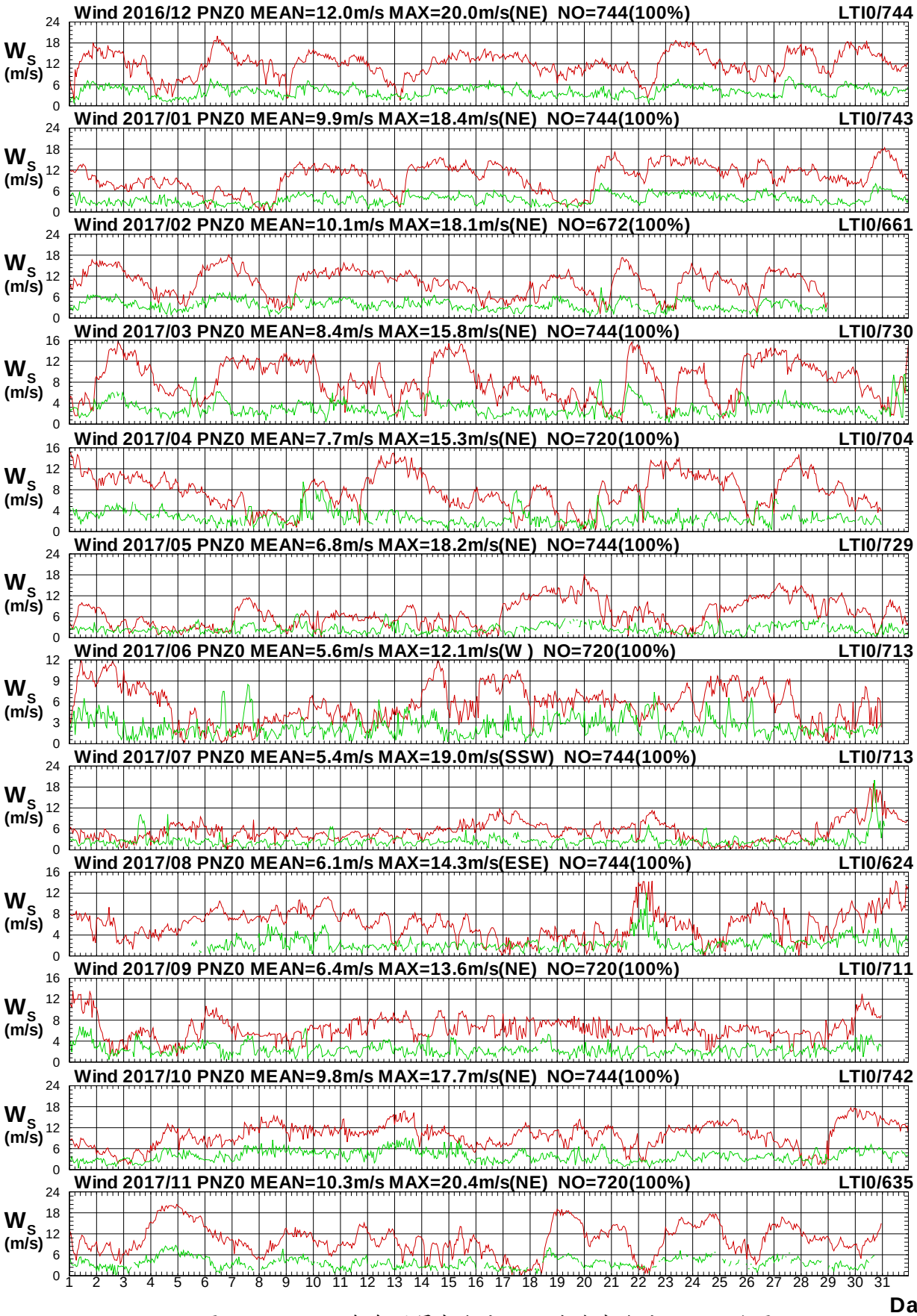

圖1.46a　2017年每月屏東海域 Z 站與臺東海域 I 站風速圖

W16CPNZ0.1HA W16CLTI0.1H0 W171PNZ0.1HA W171LTI0.1H0 W172PNZ0.1HA W172LTI0.1H0
W173PNZ0.1HA W173LTI0.1H0 W174PNZ0.1HA W174LTI0.1H0 W175PNZ0.1HA W175LTI0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

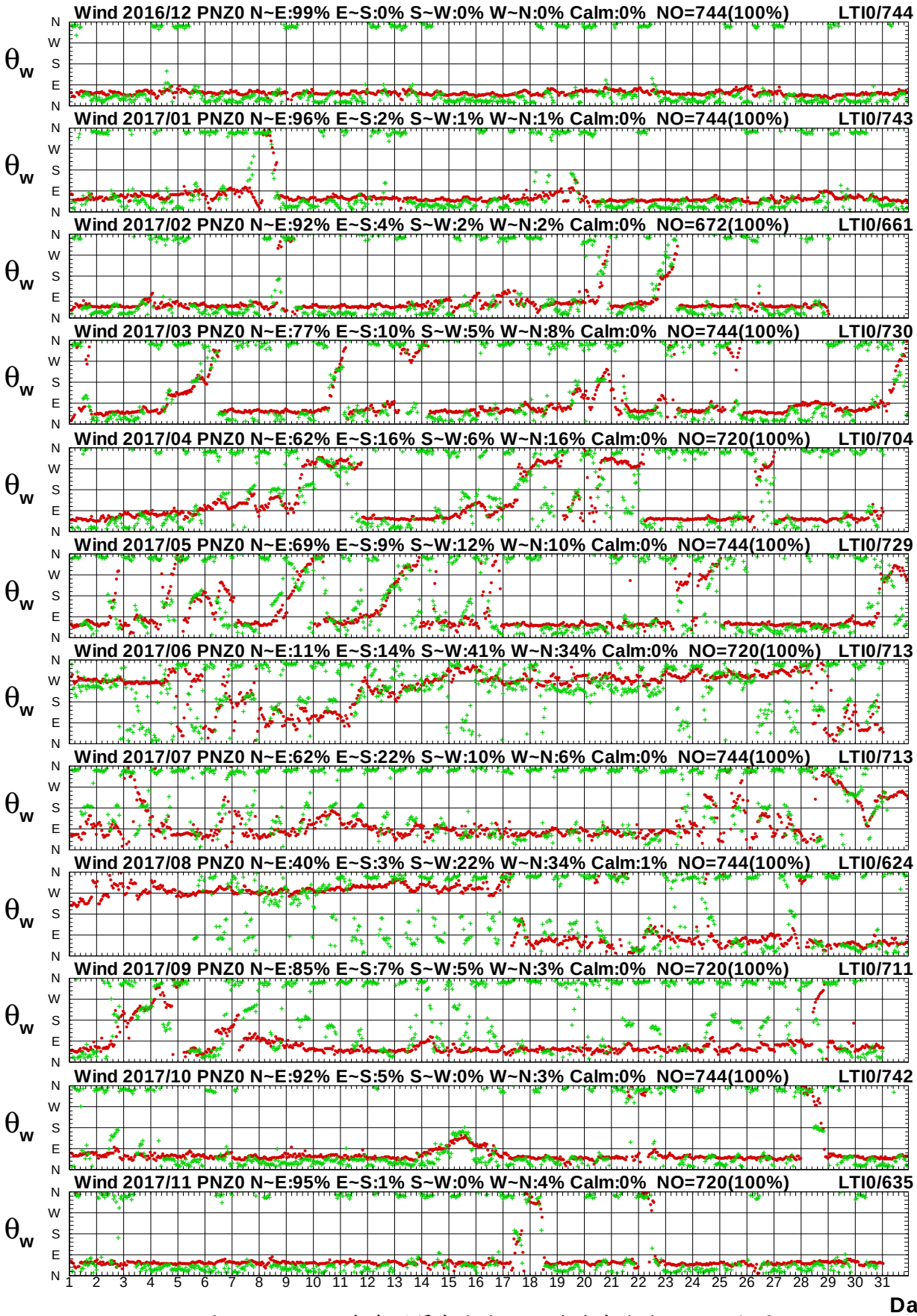

圖1.46b　2017年每月屏東海域 Z 站與臺東海域 I 站風向圖

W16CPNZ0.1HA W16CLTI0.1H0 W171PNZ0.1HA W171LTI0.1H0 W172PNZ0.1HA W172LTI0.1H0
W173PNZ0.1HA W173LTI0.1H0 W174PNZ0.1HA W174LTI0.1H0 W175PNZ0.1HA W175LTI0.1H0

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Wind Speed in Peng-Tung Seas of PNZ0 at 2017

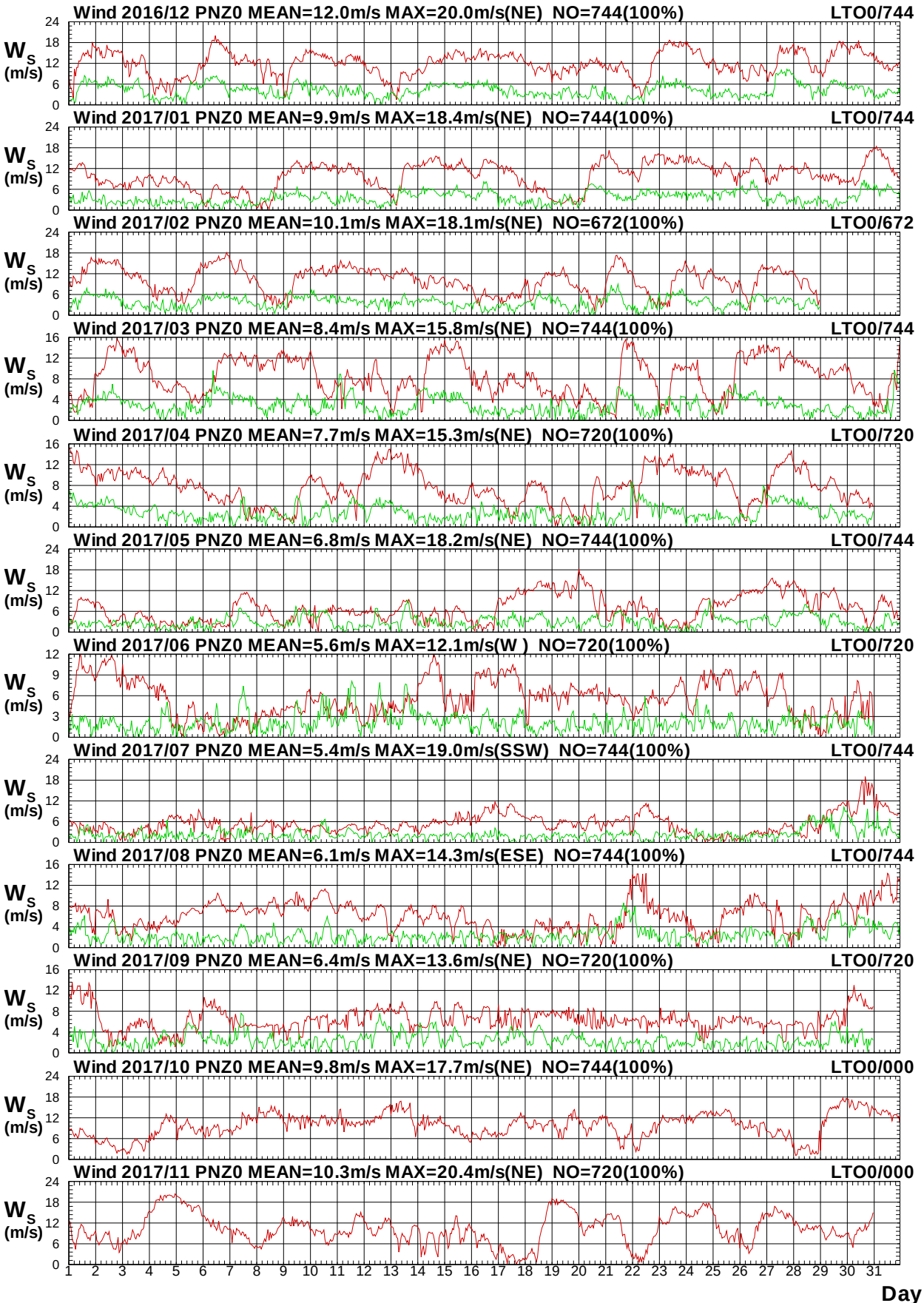

圖1.47a　2017年每月屏東海域 Z 站與臺東海域 O 站風速圖

W16CPNZ0.1HA W16CLTO0.1H0 W171PNZ0.1HA W171LTO0.1H0 W172PNZ0.1HA W172LTO0.1H0
W173PNZ0.1HA W173LTO0.1H0 W174PNZ0.1HA W174LTO0.1H0 W175PNZ0.1HA W175LTO0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

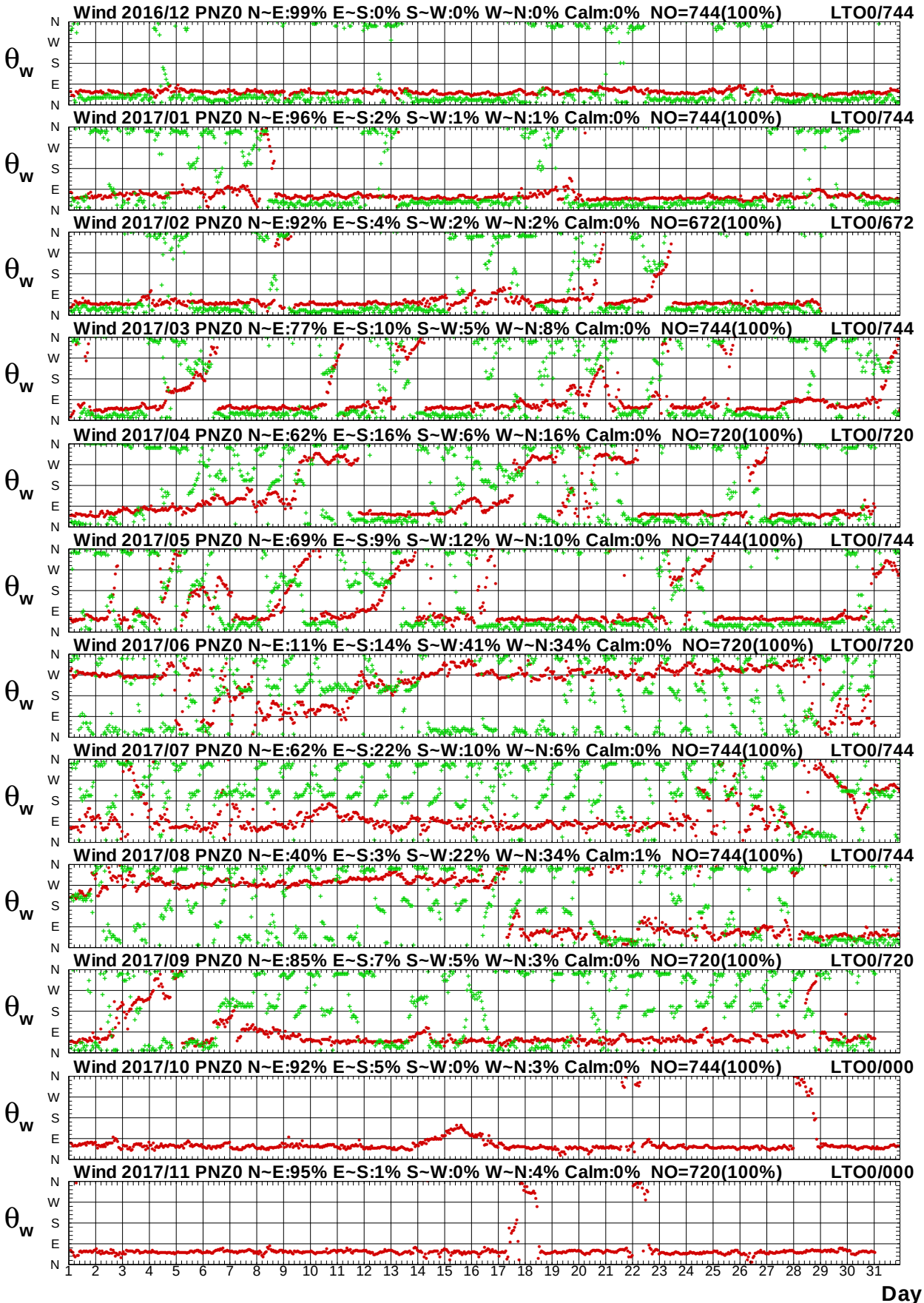

圖1.47b　2017年每月屏東海域 Z 站與臺東海域 O 站風向圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

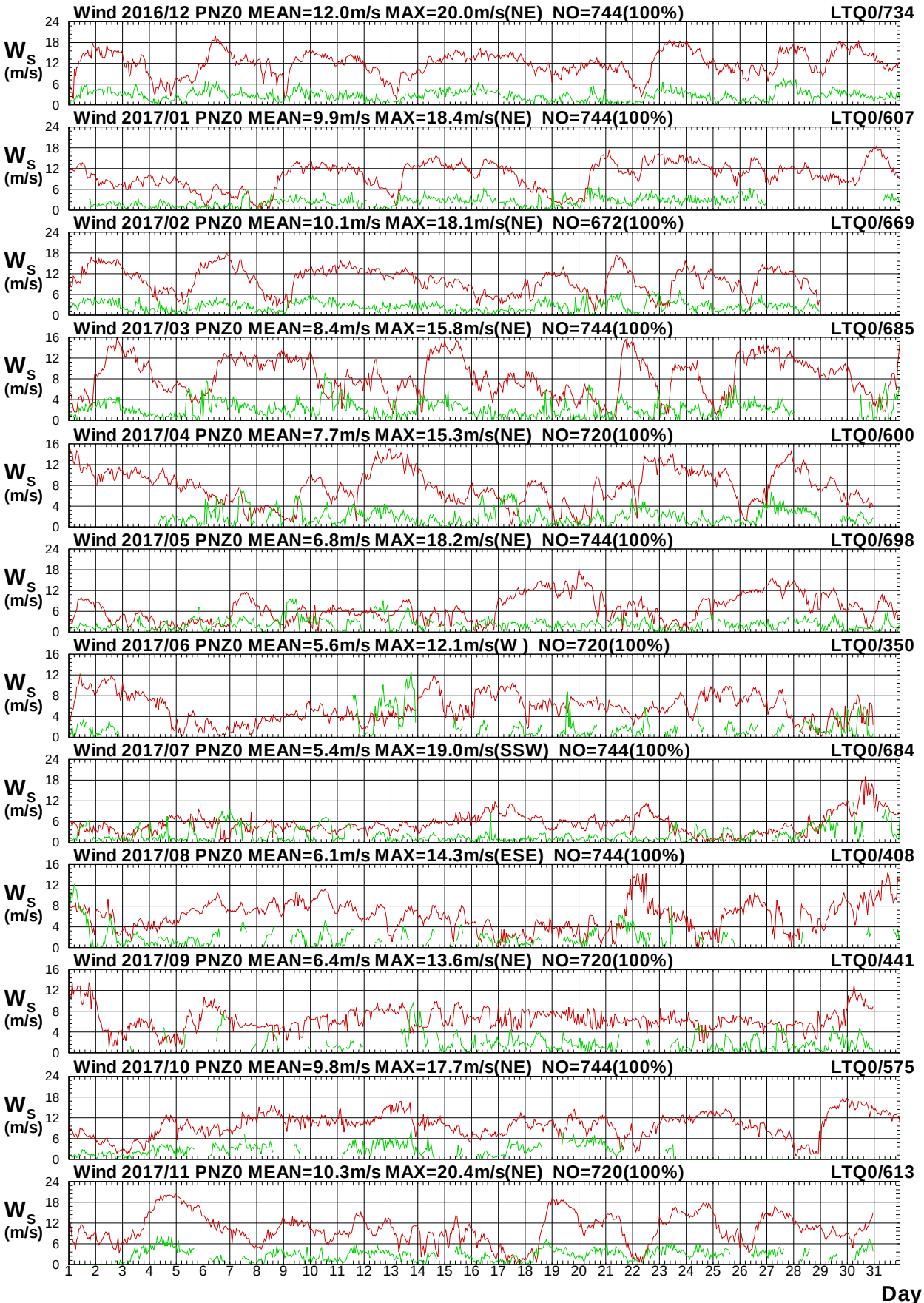

圖1.48a　2017年每月屏東海域 Z 站與臺東海域 Q 站風速圖

W16CPNZ0.1HA W16CLTQ0.1H0 W171PNZ0.1HA W171LTQ0.1H0 W172PNZ0.1HA W172LTQ0.1H0
W173PNZ0.1HA W173LTQ0.1H0 W174PNZ0.1HA W174LTQ0.1H0 W175PNZ0.1HA W175LTQ0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

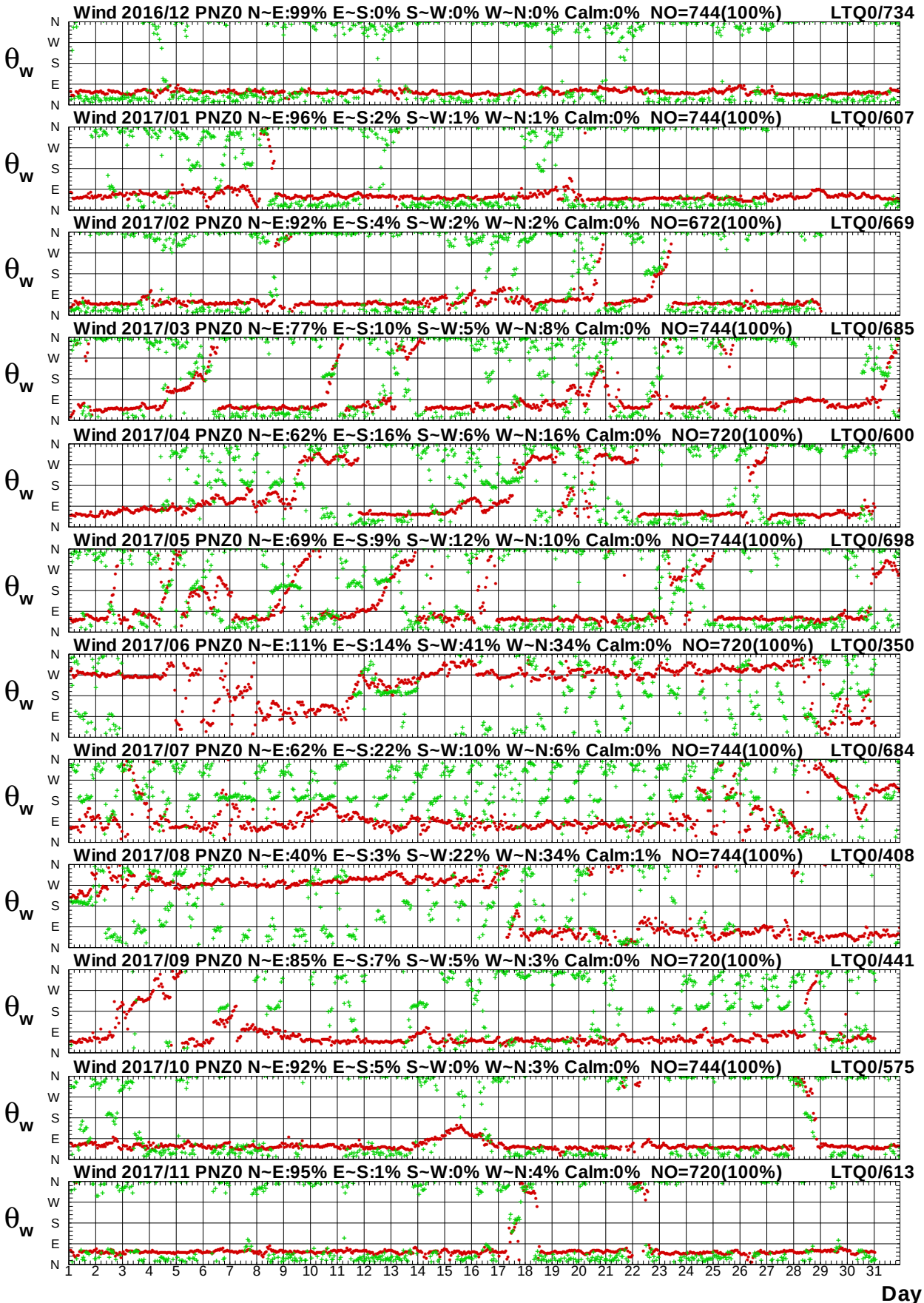

圖1.48b　2017年每月屏東海域 Z 站與臺東海域 Q 站風向圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

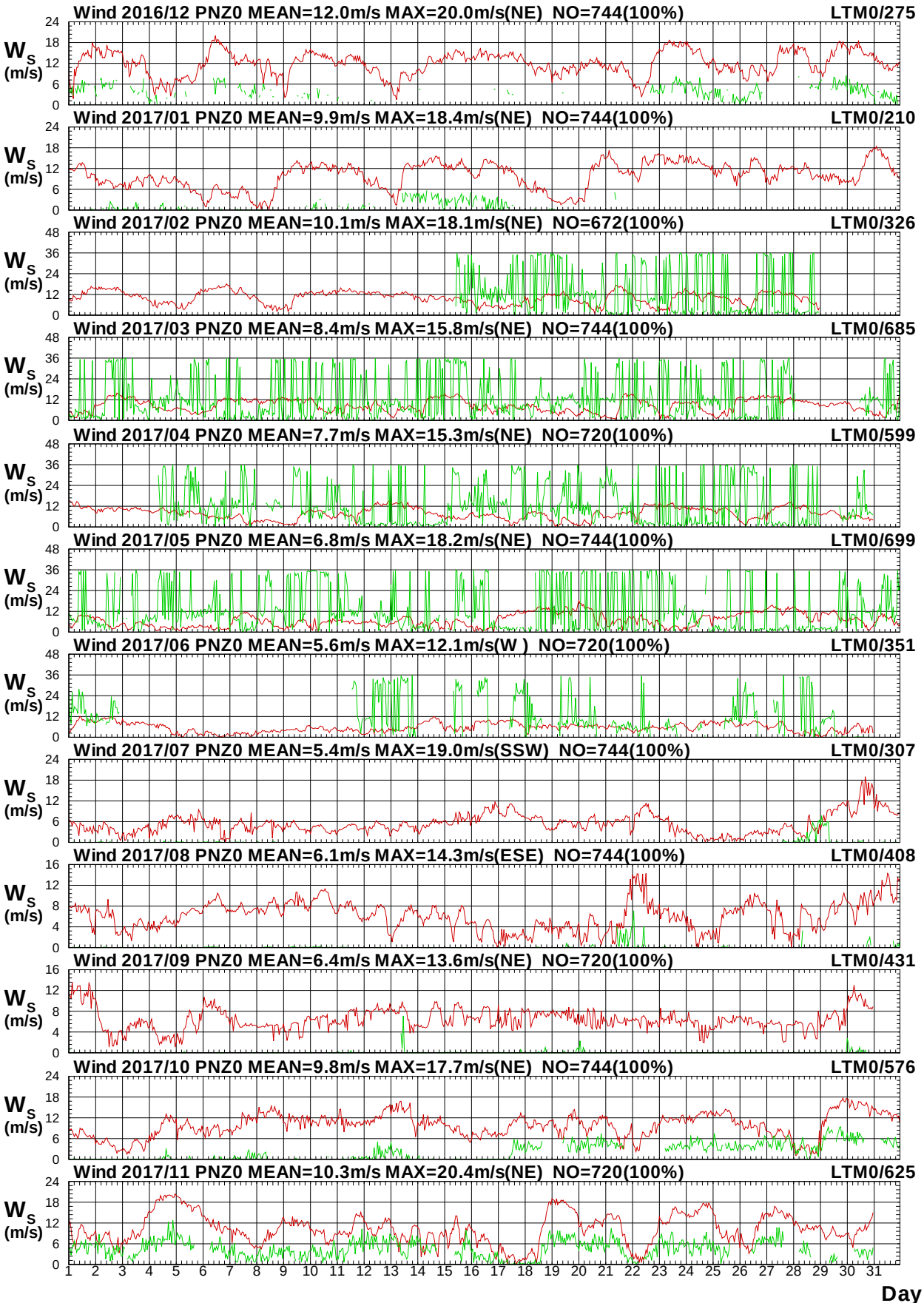

圖1.49a　2017年每月屏東海域 Z 站與臺東海域 M 站風速圖

W16CPNZ0.1HA W16CLTM0.1H0 W171PNZ0.1HA W171LTM0.1H0 W172PNZ0.1HA W172LTM0.1H0
W173PNZ0.1HA W173LTM0.1H0 W174PNZ0.1HA W174LTM0.1H0 W175PNZ0.1HA W175LTM0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

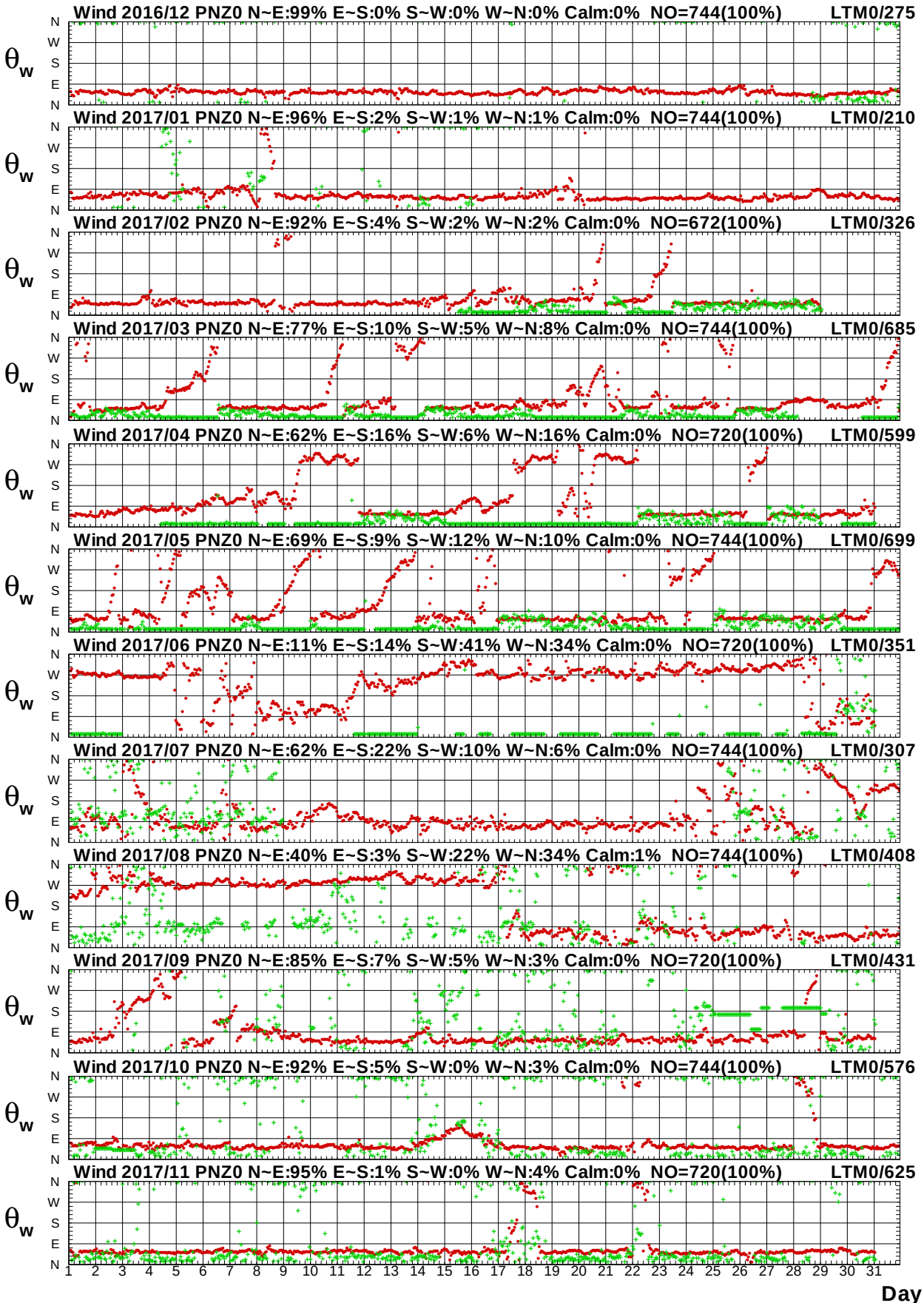

圖1.49b　2017年每月屏東海域 Z 站與臺東海域 M 站風向圖

W16CPNZ0.1HA W16CLTM0.1H0 W171PNZ0.1HA W171LTM0.1H0 W172PNZ0.1HA W172LTM0.1H0
W173PNZ0.1HA W173LTM0.1H0 W174PNZ0.1HA W174LTM0.1H0 W175PNZ0.1HA W175LTM0.1H0

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Wind Speed in Peng-Tung Seas of PNZ0 at 2017

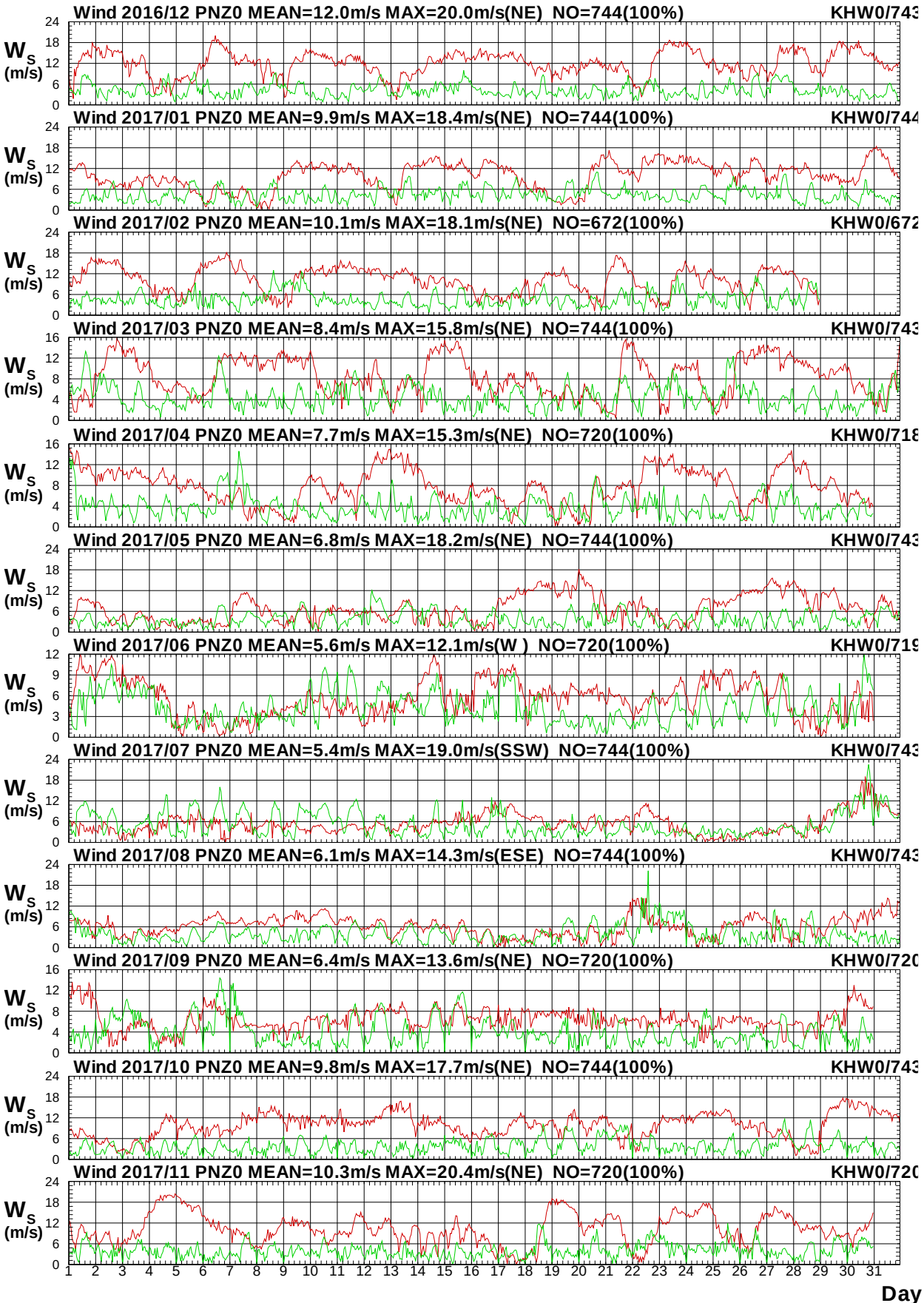

圖1.50a　2017年每月屏東海域 Z 站與高雄海域 W 站風速圖

W16CPNZ0.1HA W16CKHW0.1H0 W171PNZ0.1HA W171KHW0.1H0 W172PNZ0.1HA W172KHW0.1H0
W173PNZ0.1HA W173KHW0.1H0 W174PNZ0.1HA W174KHW0.1H0 W175PNZ0.1HA W175KHW0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

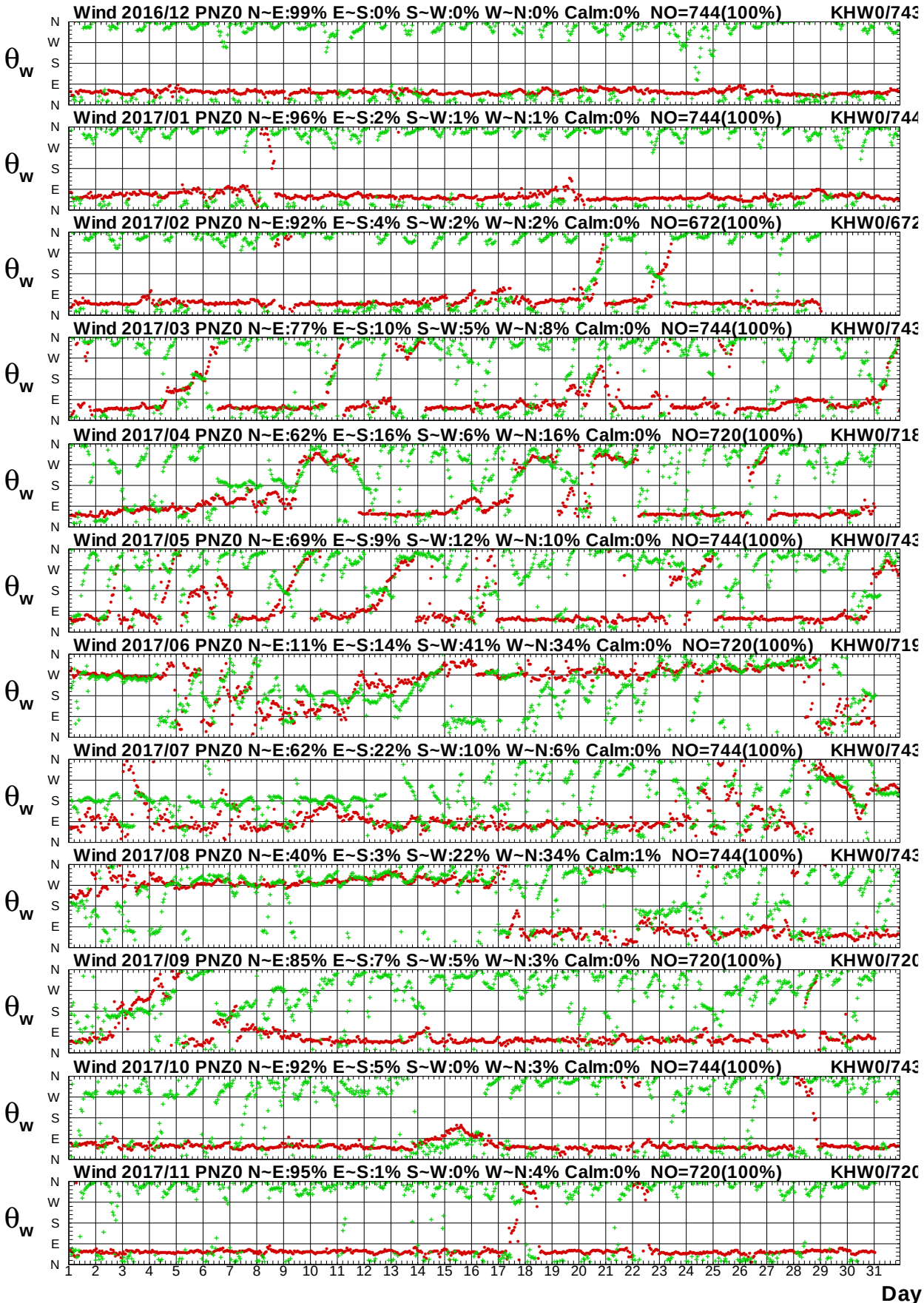

圖1.50b　2017年每月屏東海域 Z 站與高雄海域 W 站風向圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

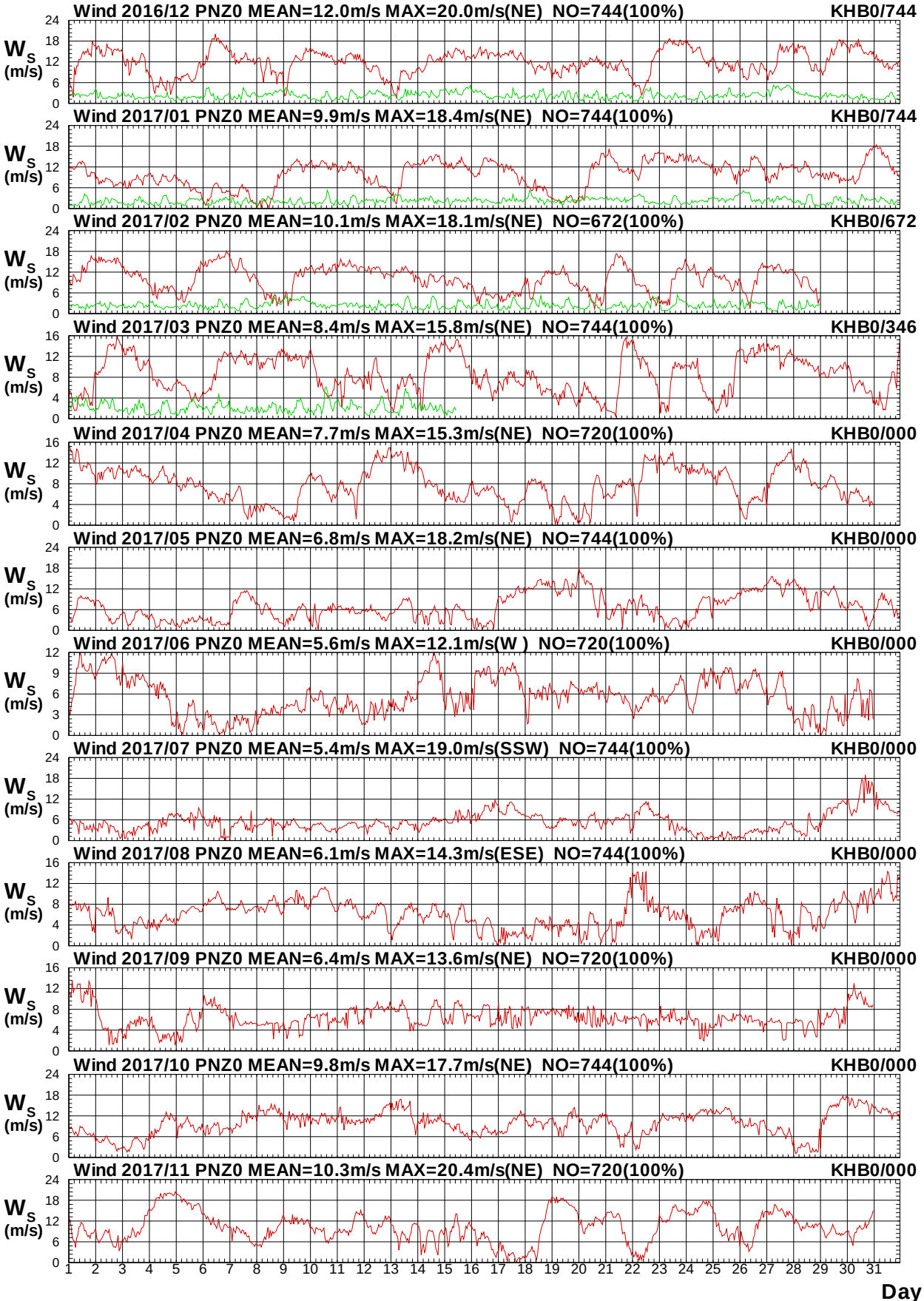

圖1.51a　2017年每月屏東海域 Z 站與高雄海域 B 站風速圖

W16CPNZ0.1HA W16CKHB0.1H0 W171PNZ0.1HA W171KHB0.1H0 W172PNZ0.1HA W172KHB0.1H0
W173PNZ0.1HA W173KHB0.1H0 W174PNZ0.1HA W174KHB0.1H0 W175PNZ0.1HA W175KHB0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

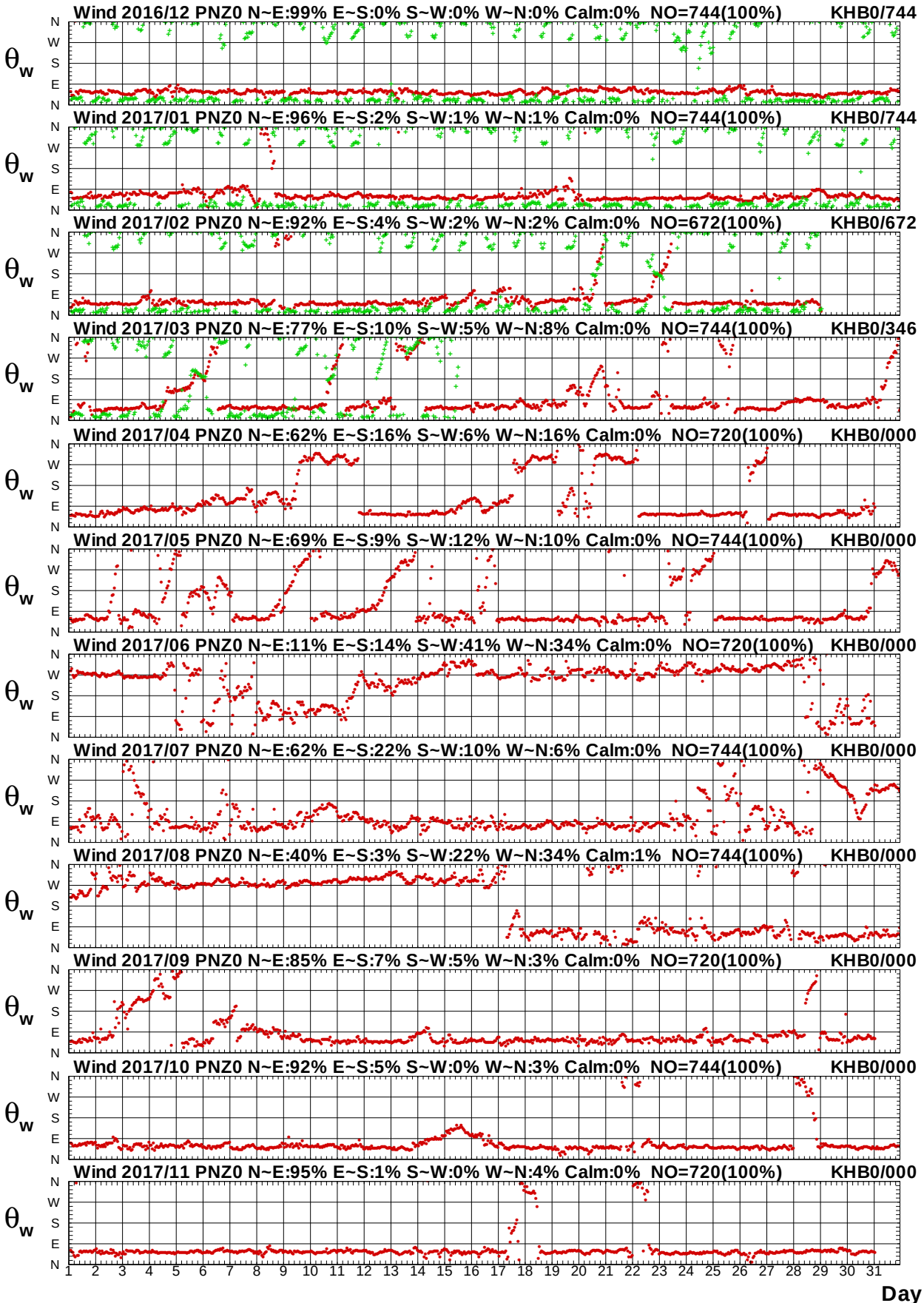

圖1.51b　2017年每月屏東海域 Z 站與高雄海域 B 站風向圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

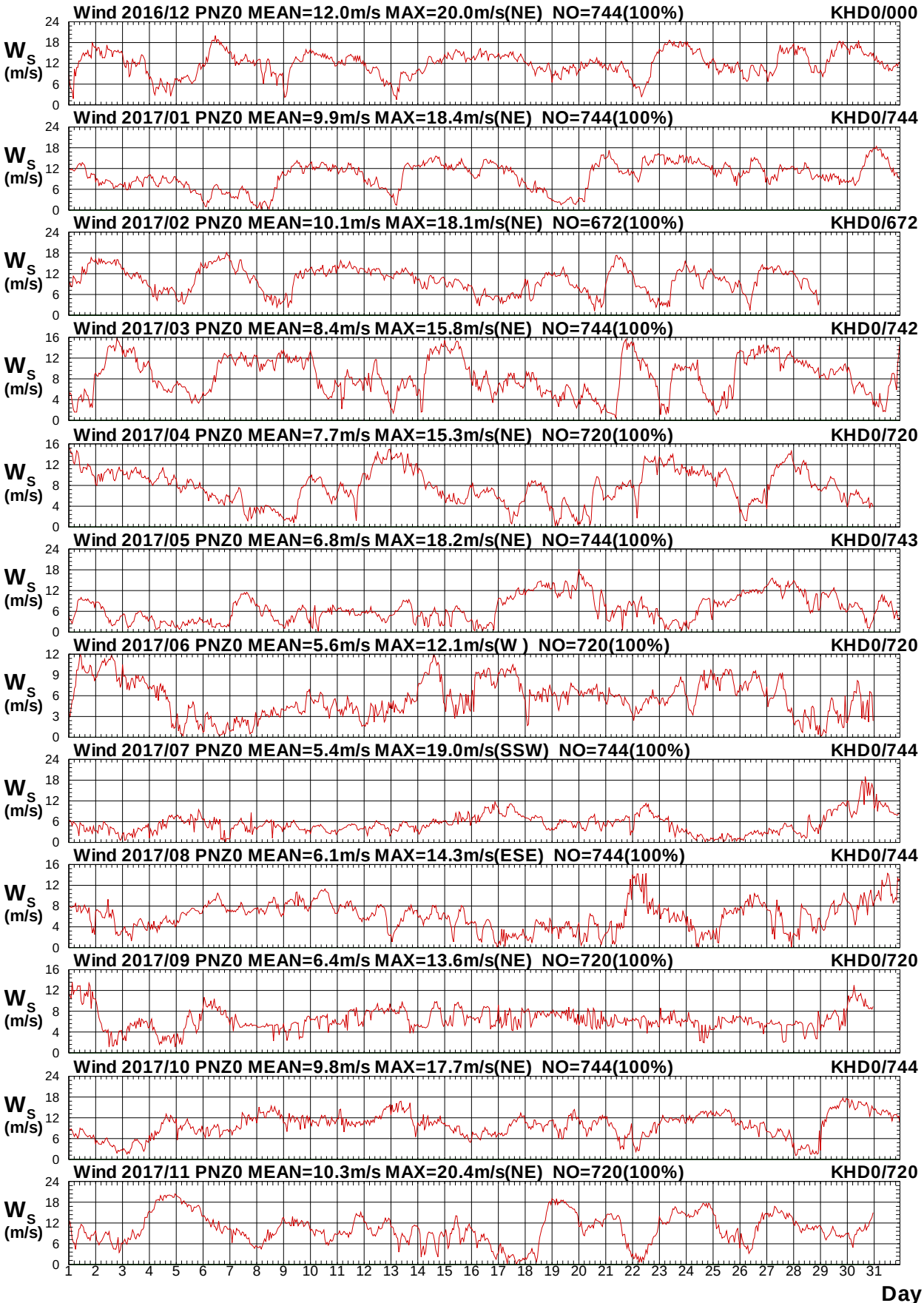

圖1.52a　2017年每月屏東海域 Z 站與高雄海域 D 站風速圖

W16CPNZ0.1HA W16CKHD0.1H0 W171PNZ0.1HA W171KHD0.1H0 W172PNZ0.1HA W172KHD0.1H0
W173PNZ0.1HA W173KHD0.1H0 W174PNZ0.1HA W174KHD0.1H0 W175PNZ0.1HA W175KHD0.1H0

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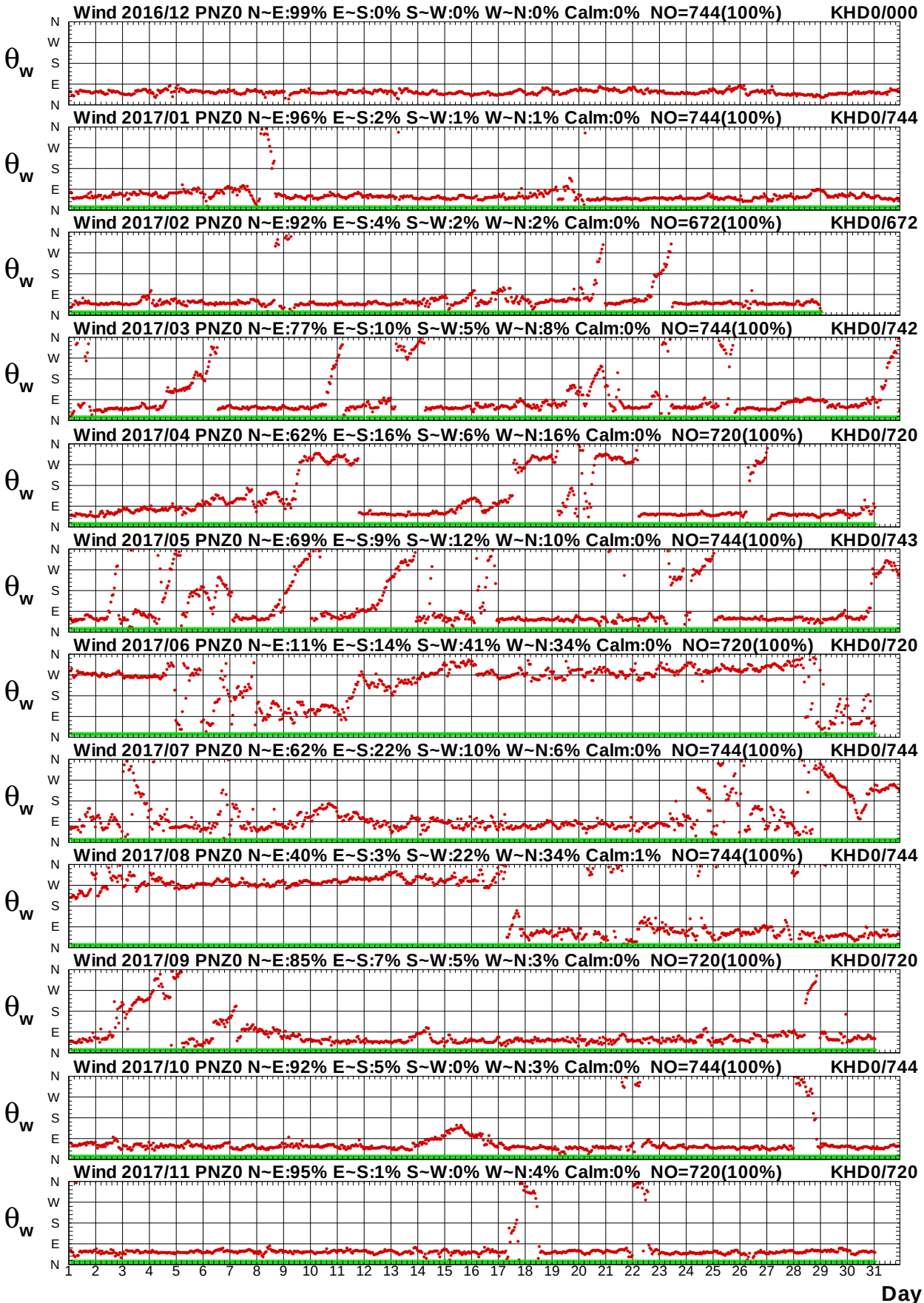

圖1.52b　2017年每月屏東海域 Z 站與高雄海域 D 站風向圖

W16CPNZ0.1HA W16CKHD0.1H0 W171PNZ0.1HA W171KHD0.1H0 W172PNZ0.1HA W172KHD0.1H0
W173PNZ0.1HA W173KHD0.1H0 W174PNZ0.1HA W174KHD0.1H0 W175PNZ0.1HA W175KHD0.1H0

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Wind Speed in Peng-Tung Seas of PNZ0 at 2017

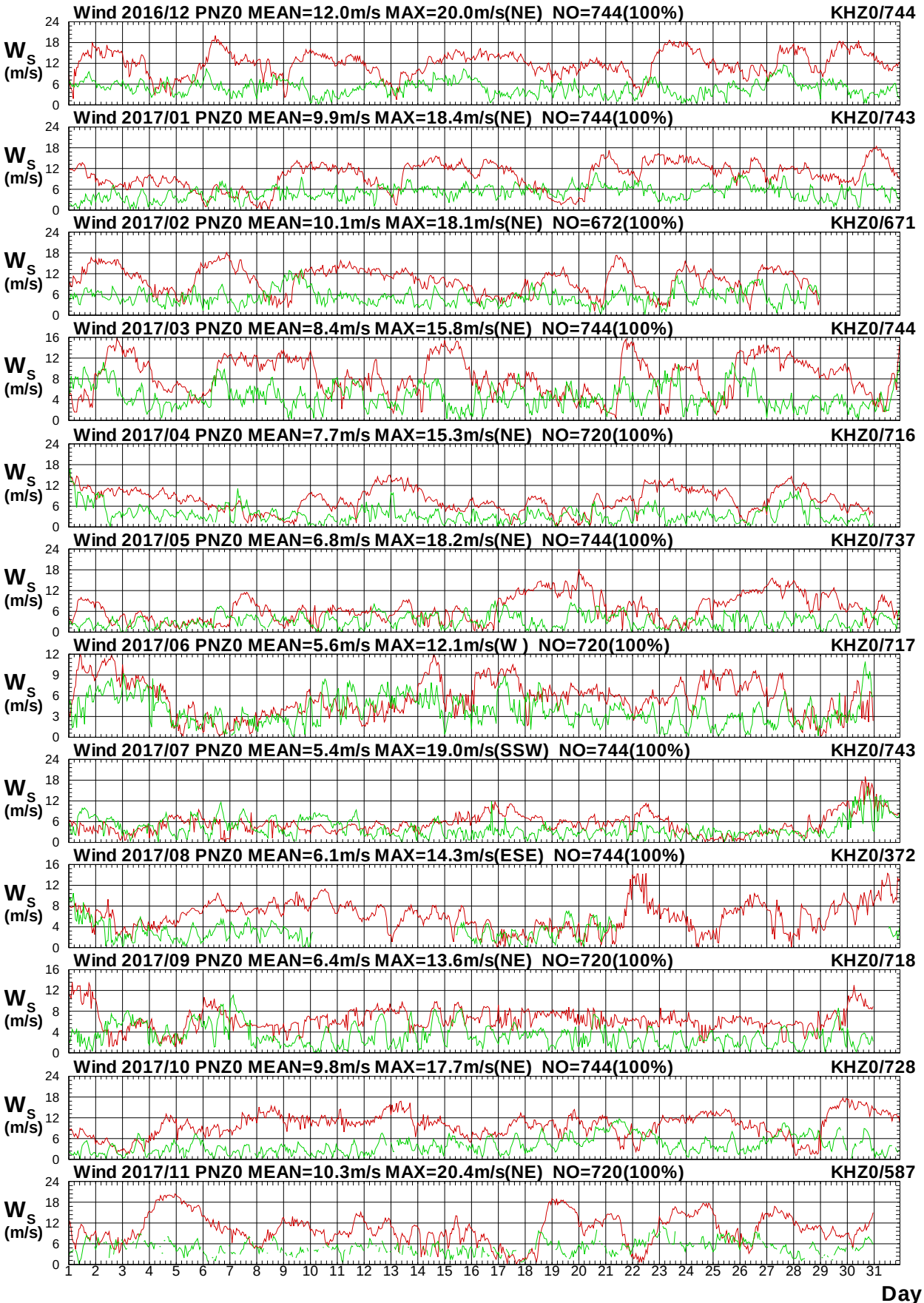

圖1.53a　2017年每月屏東海域 Z 站與高雄海域 Z 站風速圖

W16CPNZ0.1HA W16CKHZ0.1H0 W171PNZ0.1HA W171KHZ0.1H0 W172PNZ0.1HA W172KHZ0.1H0
W173PNZ0.1HA W173KHZ0.1H0 W174PNZ0.1HA W174KHZ0.1H0 W175PNZ0.1HA W175KHZ0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

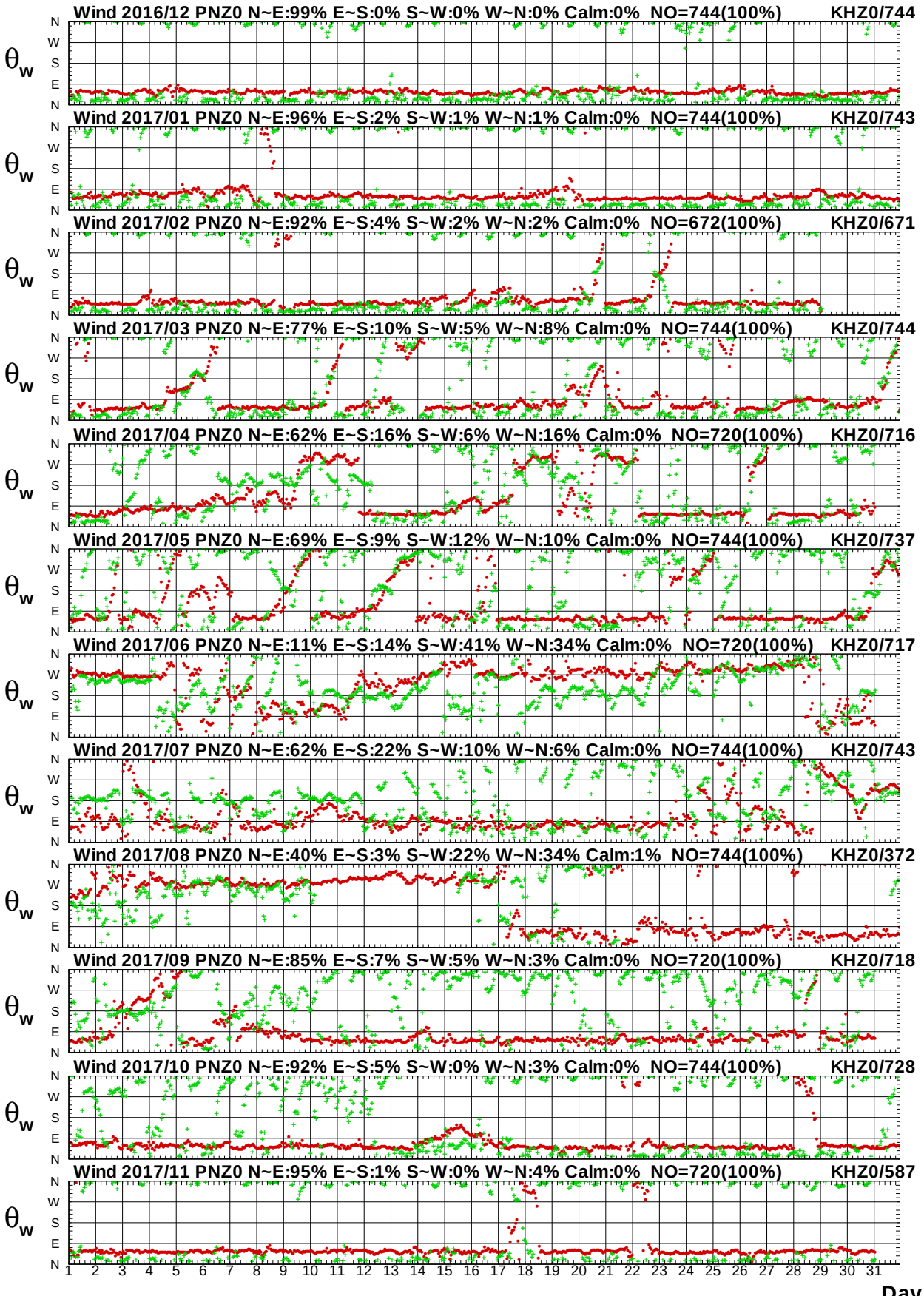

圖1.53b　2017年每月屏東海域 Z 站與高雄海域 Z 站風向圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

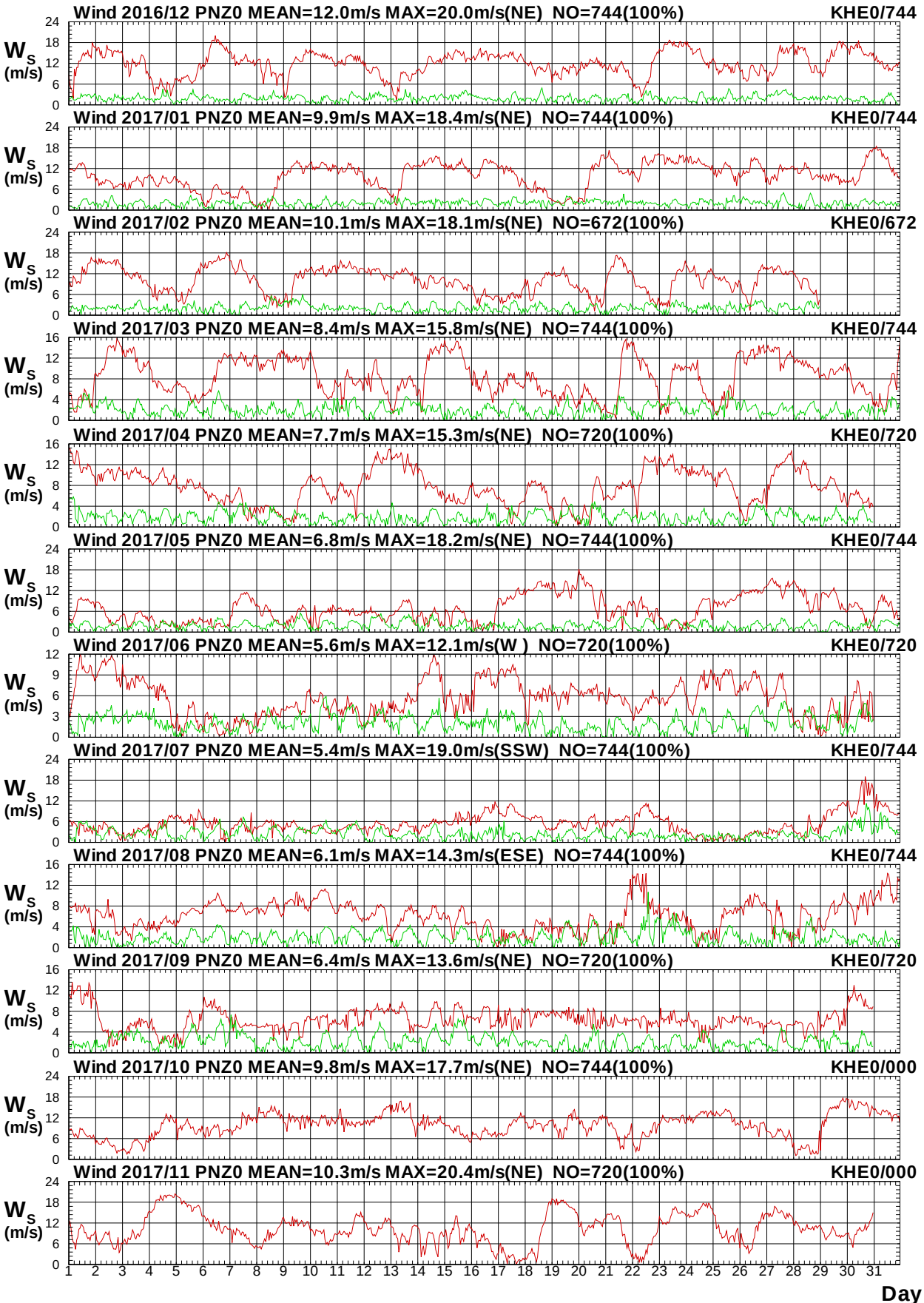

圖1.54a　2017年每月屏東海域 Z 站與高雄海域 E 站風速圖

W16CPNZ0.1HA W16CKHE0.1H0 W171PNZ0.1HA W171KHE0.1H0 W172PNZ0.1HA W172KHE0.1H0
W173PNZ0.1HA W173KHE0.1H0 W174PNZ0.1HA W174KHE0.1H0 W175PNZ0.1HA W175KHE0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

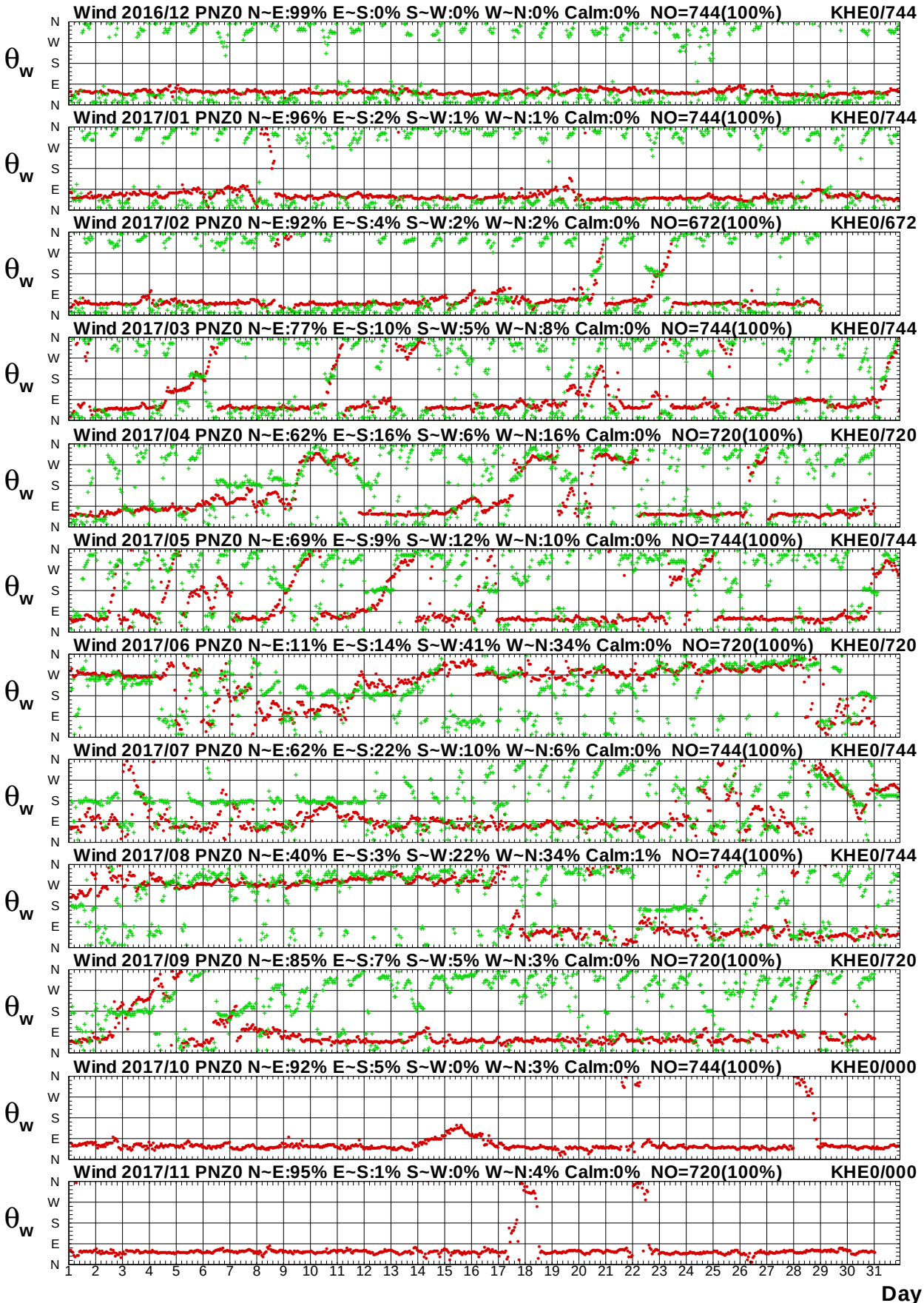

圖1.54b　2017年每月屏東海域 Z 站與高雄海域 E 站風向圖

Wind Speed in Peng-Tung Seas of PNZ0 at 2017

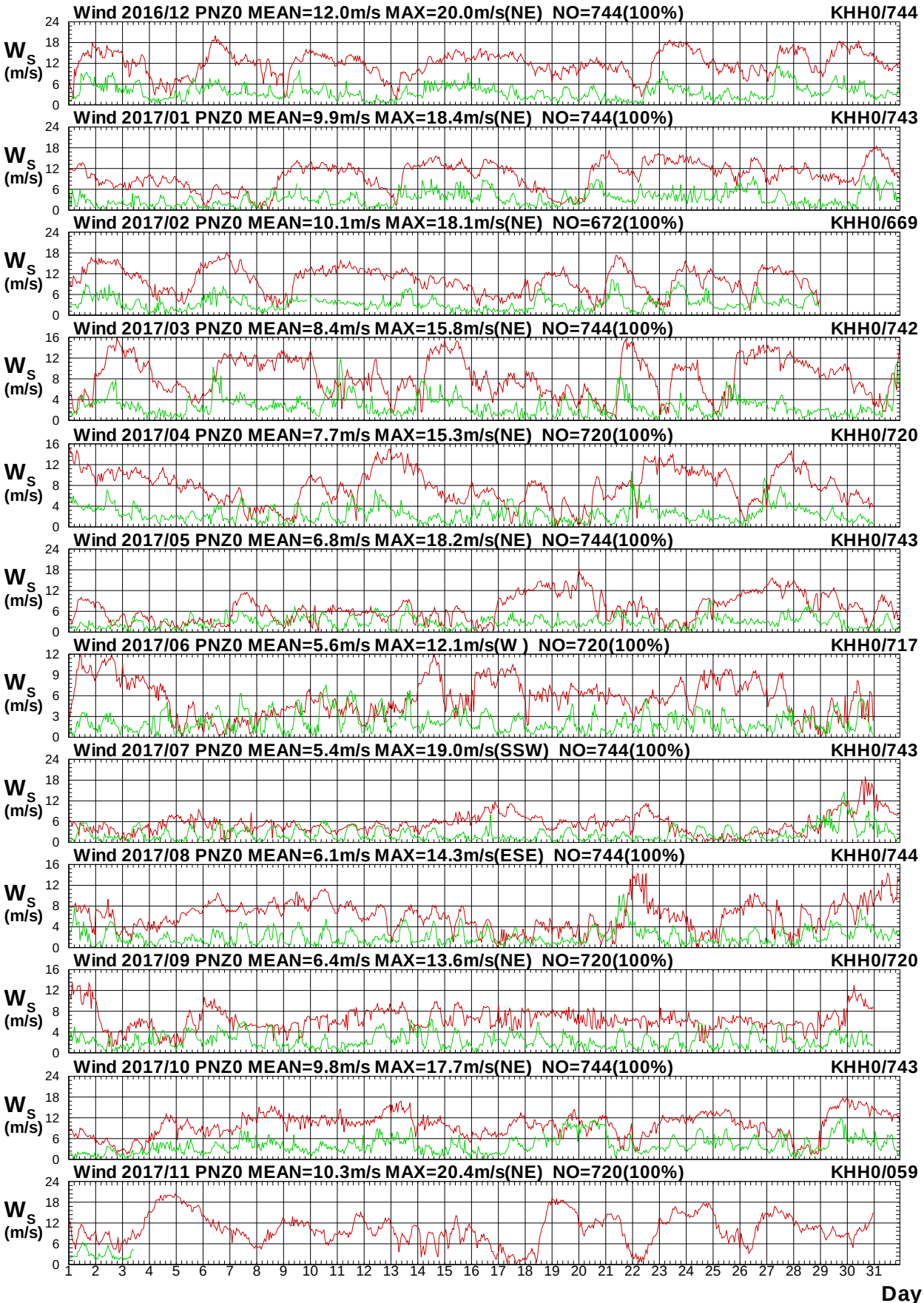

圖1.55a　2017年每月屏東海域 Z 站與高雄海域 H 站風速圖

W16CPNZ0.1HA W16CKHH0.1H0 W171PNZ0.1HA W171KHH0.1H0 W172PNZ0.1HA W172KHH0.1H0
W173PNZ0.1HA W173KHH0.1H0 W174PNZ0.1HA W174KHH0.1H0 W175PNZ0.1HA W175KHH0.1H0

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Wind Direction in Peng-Tung Seas of PNZ0 at 2017

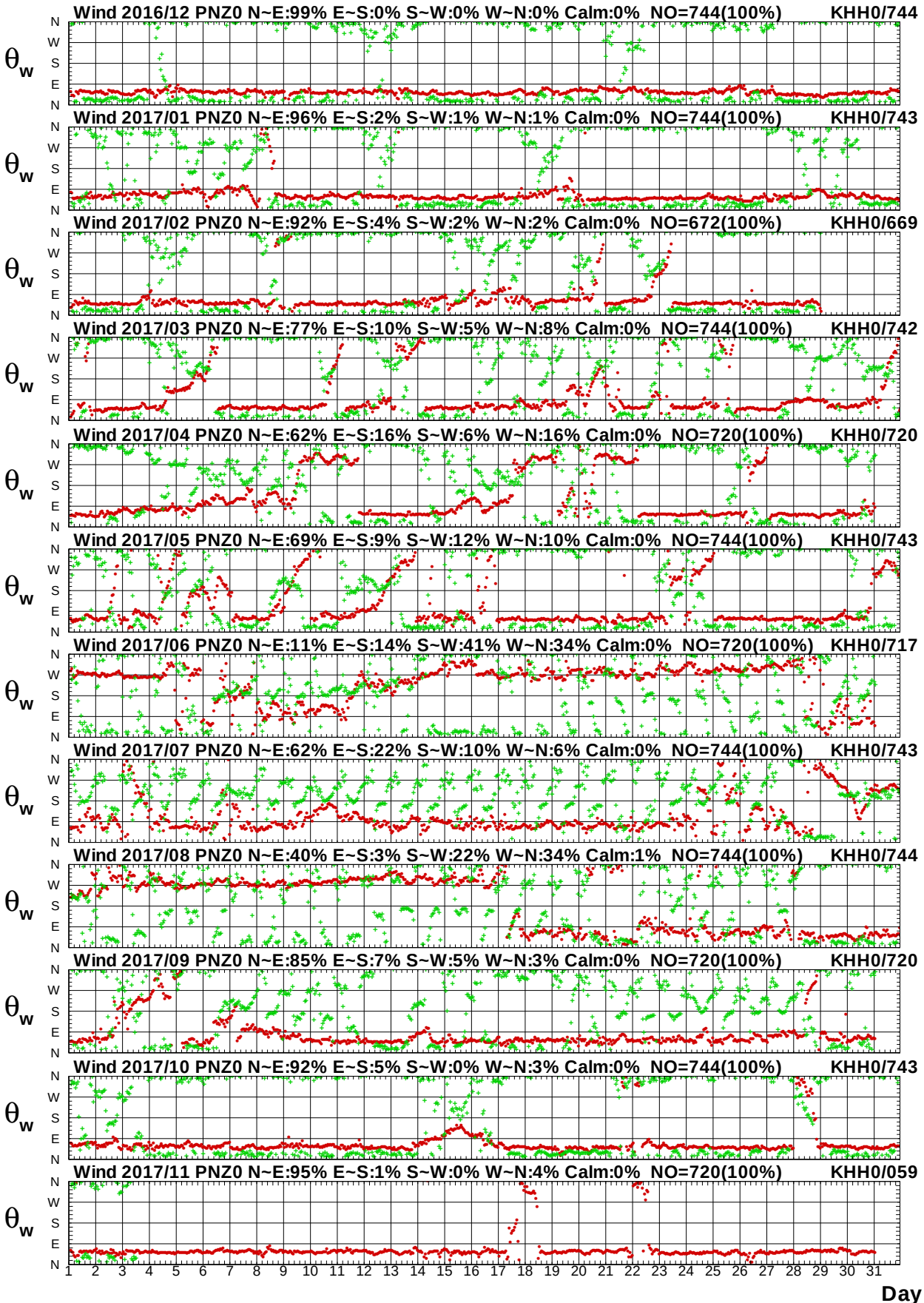

圖1.55b　2017年每月屏東海域 Z 站與高雄海域 H 站風向圖

第二章　2017 年屏東海域觀測波浪資料

屏東海域波浪觀測包括**測站 Y、測站 Z、測站 U 及測站 R 等** 4 個測站(測站位置如第 O 章圖 VJ1)。本年報取經檢核及補遺之 **Y 站**及 **Z 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年每月屏東海域修補前各測站觀測波浪資料紀錄統計表

海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域
年月/測站	Y	Z	R	U				
2016/12 月	744(100%)	717(96.4%)	736(98.9%)	*	*	*	*	*
2017/ 1 月	743(99.9%)	728(97.8%)	632(84.9%)	*	*	*	*	*
2017/ 2 月	660(98.2%)	654(97.3%)	*	*	*	*	*	*
2017/ 3 月	744(100%)	725(97.4%)	*	*	*	*	*	*
2017/ 4 月	718(99.7%)	713(99.0%)	359(49.9%)	*	*	*	*	*
2017/ 5 月	742(99.7%)	733(98.5%)	669(89.9%)	*	*	*	*	*
2017/ 6 月	720(100%)	697(96.8%)	672(93.3%)	*	*	*	*	*
2017/ 7 月	437(58.7%)	724(97.3%)	705(94.8%)	*	*	*	*	*
2017/ 8 月	152(20.4%)	743(99.9%)	683(91.8%)	*	*	*	*	*
2017/ 9 月	718(99.7%)	720(100%)	680(94.4%)	*	*	*	*	*
2017/10 月	718(96.5%)	743(99.9%)	361(48.5%)	*	*	*	*	*
2017/11 月	675(93.8%)	716(99.4%)	*	*	*	*	*	*
2017/冬季	2147(99.4%)	2099(97.2%)	1368(63.3%)	*	*	*	*	*
2017/春季	2204(99.8%)	2171(98.3%)	1028(46.6%)	*	*	*	*	*
2017/夏季	1309(59.3%)	2164(98.0%)	2060(93.3%)	*	*	*	*	*
2017/秋季	2111(96.7%)	2179(99.8%)	1041(47.7%)	*	*	*	*	*
2017/整年	7771(88.7%)	8613(98.3%)	5497(62.8%)	*	*	*	*	*
起始年月	2016/12	2016/12	2016/12	*	*	*	*	*
結束年月	2017/11	2017/11	2017/10	*	*	*	*	*

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表2.1b 2017年每月屏東海域修補後各測站波浪資料統計表

海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域
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年屏東海域主要測站1修補前示性波高週期及波向重要統計量統計表

觀測	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
日期	蒐集	平均	(波高/週期/波向)	平均	最大	<0.5m	~1.5m	~3m	>3m	<6s	6~8s	8~10s	>10s	蒐集	N~E	E~S	S~W	W~N	(百分比)
年、月	率	(m)	(m/s/來向)	(s)	(s)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	率	(%)	(%)	(%)	(%)	來向/%
2016/12	100%	.83	1.6/ 5.8/WNW	5.4	8.1	1.6	98.0	.4	.0	85.9	14.0	.1	.0	100%	2.0	32.8	25.9	39.2	SSE/21%
2017/01	100%	.84	1.5/ 5.9/WSW	5.4	7.1	1.2	98.7	.1	.0	83.4	16.6	.0	.0	100%	1.2	30.8	32.6	35.4	W /28%
2017/02	98%	.83	1.5/ 5.1/SSE	5.3	6.8	.0	99.8	.2	.0	88.9	11.1	.0	.0	98%	2.6	49.4	36.4	11.7	SSE/41%
2017/03	100%	.67	1.3/ 4.2/E	4.6	6.2	12.6	87.4	.0	.0	99.9	.1	.0	.0	97%	4.6	46.7	28.7	20.0	SSE/34%
2017/04	100%	.62	1.8/ 5.8/W	4.6	7.2	39.4	60.4	.1	.0	98.7	1.3	.0	.0	99%	4.8	44.1	27.2	23.8	SSE/30%
2017/05	100%	.41	1.2/ 4.4/SW	4.3	6.1	76.8	23.2	.0	.0	99.6	.4	.0	.0	100%	10.8	33.6	26.3	29.3	WNW/14%
2017/06	100%	1.06	2.6/ 8.2/SSW	5.2	8.2	6.1	74.0	19.9	.0	88.3	11.4	.3	.0	98%	5.7	8.5	77.8	8.1	SW /35%
2017/07	59%	1.04	6.1/ 8.7/S	4.8	8.8	9.6	82.2	3.9	4.3	86.7	10.5	2.7	.0	57%	9.0	21.1	51.8	18.1	SSW/23%
2017/08	20%	1.15	4.2/ 8.1/SSW	5.7	8.1	19.7	54.6	22.4	3.3	57.9	41.4	.7	.0	18%	5.3	6.1	84.1	4.5	SW /34%
2017/09	100%	.81	3.1/ 7.5/S	5.2	7.7	42.8	43.2	13.5	.6	77.0	23.0	.0	.0	99%	1.8	23.6	64.6	10.0	SSW/22%
2017/10	97%	.81	4.4/ 8.2/SSE	5.2	8.8	17.1	75.9	4.7	2.2	82.0	17.3	.7	.0	96%	3.1	27.0	55.5	14.4	SW /17%
2017/11	94%	.74	1.2/ 5.3/WSW	5.1	6.4	5.2	94.8	.0	.0	96.1	3.9	.0	.0	94%	.4	43.0	28.7	27.9	SE /21%
2017/冬	99%	.83	1.6/ 5.8/WNW	5.4	8.1	1.0	98.8	.2	.0	86.0	14.0	.0	.0	99%	1.9	37.2	31.4	29.4	SSE/28%
2017/春	100%	.56	1.8/ 5.8/W	4.5	7.2	43.0	57.0	.0	.0	99.4	.6	.0	.0	98%	6.8	41.4	27.4	24.4	SSE/25%
2017/夏	59%	1.06	6.1/ 8.7/S	5.1	8.8	8.9	74.5	14.8	1.8	84.3	14.6	1.1	.0	57%	6.8	12.5	69.7	11.0	SW /27%
2017/秋	97%	.79	4.4/ 8.2/SSE	5.2	8.8	22.0	70.8	6.2	.9	84.8	14.9	.2	.0	96%	1.8	31.0	50.0	17.2	SSW/14%
2017/年	89%	.78	6.1/ 8.7/S	5.0	8.8	19.9	75.2	4.3	.6	89.2	10.5	.3	.0	88%	4.1	32.6	41.6	21.7	SSE/19%

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

觀測	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
日期	蒐集	平均	(波高/週期/波向)	平均	最大	<0.5m	~1.5m	~3m	>3m	<6s	6~8s	8~10s	>10s	蒐集	N~E	E~S	S~W	W~N	(百分比)
年、月	率	(m)	(m/s/來向)	(s)	(s)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	率	(%)	(%)	(%)	(%)	來向/%
2016/12	100%	.83	1.6/ 5.8/WNW	5.4	8.1	1.6	98.0	.4	.0	85.9	14.0	.1	.0	100%	2.0	32.8	25.9	39.2	SSE/21%
2017/01	100%	.84	1.5/ 5.9/WSW	5.4	7.1	1.2	98.7	.1	.0	83.5	16.5	.0	.0	100%	1.2	30.8	32.7	35.3	W /28%
2017/02	100%	.82	1.5/ 5.1/SSE	5.3	6.8	.1	99.7	.1	.0	89.1	10.9	.0	.0	100%	2.5	48.5	37.5	11.5	SSE/40%
2017/03	100%	.67	1.3/ 4.2/SSW	4.6	6.2	12.6	87.4	.0	.0	99.9	.1	.0	.0	100%	4.4	45.2	30.6	19.8	SSE/33%
2017/04	100%	.62	1.8/ 5.8/W	4.6	7.2	39.3	60.6	.1	.0	98.8	1.3	.0	.0	100%	4.7	43.5	27.9	23.9	SSE/29%
2017/05	100%	.41	1.2/ 4.4/SW	4.3	6.1	76.6	23.4	.0	.0	99.6	.4	.0	.0	100%	10.8	33.5	26.6	29.2	WNW/14%
2017/06	100%	1.06	2.6/ 8.2/SSW	5.2	8.2	6.1	74.0	19.9	.0	88.3	11.4	.3	.0	100%	5.6	8.3	78.2	7.9	SW /34%
2017/07	100%	1.07	6.1/ 8.7/S	5.2	8.8	6.5	81.7	5.1	6.7	75.5	22.8	1.6	.0	100%	5.1	13.4	71.2	10.2	SW /38%
2017/08	100%	.85	4.2/ 8.1/SSW	5.7	8.8	29.4	59.9	9.7	.9	53.6	44.6	1.7	.0	100%	.9	1.3	95.6	2.2	SW /74%
2017/09	100%	.81	3.1/ 7.5/S	5.2	7.7	42.8	43.2	13.5	.6	76.9	23.1	.0	.0	100%	1.8	23.3	65.0	9.9	SSW/22%
2017/10	100%	.81	4.4/ 8.2/SSE	5.1	8.8	17.1	76.2	4.6	2.2	82.5	16.8	.7	.0	100%	3.0	25.9	57.3	13.8	SW /18%
2017/11	100%	.74	1.2/ 5.3/WSW	5.1	6.4	5.8	94.2	.0	.0	96.4	3.6	.0	.0	100%	.4	41.0	30.8	27.8	SE /20%
2017/冬	100%	.83	1.6/ 5.8/WNW	5.4	8.1	1.0	98.8	.2	.0	86.1	13.9	.0	.0	100%	1.9	37.0	31.9	29.3	SSE/28%
2017/春	100%	.56	1.8/ 5.8/W	4.5	7.2	43.0	57.0	.0	.0	99.4	.6	.0	.0	100%	6.7	40.7	28.4	24.3	SSE/25%
2017/夏	100%	.96	6.1/ 8.7/S	5.4	13.8	14.2	72.7	11.9	1.2	72.3	26.4	1.2	.0	100%	3.8	7.7	81.7	6.7	SW /49%
2017/秋	100%	.79	4.4/ 8.2/SSE	5.2	8.8	21.9	71.2	6.0	.9	85.3	14.5	.2	.0	100%	1.7	30.0	51.1	17.1	SW /14%
2017/年	100%	.79	6.1/ 8.7/S	5.1	13.8	20.1	74.8	4.6	.5	85.8	13.9	.4	.0	100%	3.6	28.8	48.3	19.3	SW /18%

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

觀測	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
日期	蒐集	平均	(波高/週期/波向)	平均	最大	<0.5m	~1.5m	~3m	>3m	<6s	6~8s	8~10s	>10s	蒐集	N~E	E~S	S~W	W~N	(百分比)
年、月	率	(m)	(m/s/來向)	(s)	(s)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	率	(%)	(%)	(%)	(%)	來向/%
2016/12	96%	.80	1.9/ 8.0/SSE	5.9	9.6	8.9	89.7	1.4	.0	46.7	51.2	2.1	.0	96%	7.9	84.2	7.8	.0	SE /40%
2017/01	98%	.94	1.9/ 7.1/SSE	6.2	8.7	3.6	92.2	4.3	.0	31.5	67.4	1.1	.0	98%	1.9	89.7	8.4	.0	SE /44%
2017/02	97%	.83	1.6/ 7.2/SE	6.1	8.0	9.0	89.6	1.4	.0	40.1	59.8	.2	.0	97%	1.2	95.0	3.8	.0	SE /56%
2017/03	97%	.67	1.3/ 5.3/S	5.5	7.5	16.3	83.7	.0	.0	75.2	24.8	.0	.0	97%	1.7	90.1	8.1	.1	SE /46%
2017/04	99%	.58	1.3/ 5.8/SSE	5.4	7.3	41.7	58.3	.0	.0	75.7	24.3	.0	.0	99%	1.4	78.4	18.4	1.8	SE /42%
2017/05	99%	.39	1.3/ 5.2/SW	5.1	6.8	83.8	16.2	.0	.0	91.8	8.2	.0	.0	99%	3.5	76.0	18.6	1.9	SE /47%
2017/06	97%	.98	2.6/ 7.8/SW	5.3	8.2	8.2	75.8	16.1	.0	86.7	12.8	.6	.0	97%	.0	8.9	90.0	1.1	SW /36%
2017/07	97%	1.04	10.1/10.5/SSW	5.7	10.5	20.9	66.7	5.7	6.8	60.5	35.4	3.9	.3	97%	.0	34.3	65.3	.4	SSW/27%
2017/08	100%	.96	4.3/ 8.1/S	5.6	8.8	24.2	61.4	12.4	2.0	60.4	37.7	1.9	.0	100%	.1	19.5	79.9	.4	SW /37%
2017/09	100%	.78	3.0/ 7.7/SW	5.6	10.1	37.8	50.6	11.5	.1	67.5	31.9	.4	.1	100%	.4	55.0	44.6	.0	SE /32%
2017/10	100%	.89	3.3/ 7.5/S	5.8	10.8	17.2	71.9	10.1	.8	59.1	35.0	4.8	1.1	100%	6.6	85.7	7.7	.0	SE /47%
2017/11	99%	.71	1.7/ 5.2/SE	5.4	7.7	23.0	76.3	.7	.0	69.7	30.3	.0	.0	99%	12.8	83.8	3.2	.1	SE /47%
2017/冬	97%	.86	1.9/ 7.1/SSE	6.1	9.6	7.1	90.5	2.4	.0	39.4	59.5	1.1	.0	97%	3.8	89.5	6.8	.0	SE /47%
2017/春	98%	.55	1.3/ 5.3/S	5.3	7.5	47.4	52.6	.0	.0	81.0	19.0	.0	.0	98%	2.2	81.5	15.0	1.3	SE /45%
2017/夏	98%	1.00	10.1/10.5/SSW	5.5	10.5	17.9	67.8	11.3	3.0	68.9	28.9	2.1	.1	98%	.0	21.0	78.3	.6	SSW/29%
2017/秋	100%	.80	3.3/ 7.5/S	5.6	10.8	25.9	66.3	7.5	.3	65.4	32.4	1.8	.4	100%	6.6	74.9	18.4	.0	SE /42%
2017/年	98%	.80	10.1/10.5/SSW	5.6	10.8	24.7	69.1	5.3	.8	63.8	34.8	1.3	.1	98%	3.2	66.6	29.8	.5	SE /36%

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

觀測	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
日期	蒐集	平均	(波高/週期/波向)	平均	最大	<0.5m	~1.5m	~3m	>3m	<6s	6~8s	8~10s	>10s	蒐集	N~E	E~S	S~W	W~N	(百分比)
年、月	率	(m)	(m/s/來向)	(s)	(s)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	率	(%)	(%)	(%)	(%)	來向/%
2016/12	100%	.81	1.9/ 8.0/SSE	5.9	9.6	8.6	90.1	1.3	.0	48.3	49.7	2.0	.0	100%	7.8	84.7	7.5	.0	SE /40%
2017/01	100%	.94	1.9/ 7.1/SSE	6.2	8.7	3.5	92.3	4.2	.0	32.0	66.9	1.1	.0	100%	1.9	89.5	8.6	.0	SE /45%
2017/02	100%	.84	1.7/ 6.3/SSE	6.1	8.0	8.8	89.7	1.5	.0	40.5	59.4	.1	.0	100%	1.3	94.3	4.2	.1	SE /56%
2017/03	100%	.67	1.3/ 5.3/S	5.5	7.5	15.9	84.1	.0	.0	75.7	24.3	.0	.0	100%	1.7	89.9	8.2	.1	SE /45%
2017/04	100%	.58	1.3/ 5.8/SSE	5.4	7.3	41.7	58.3	.0	.0	76.0	24.0	.0	.0	100%	1.4	78.2	18.6	1.8	SE /42%
2017/05	100%	.40	1.3/ 5.2/SW	5.1	6.8	83.1	16.9	.0	.0	91.9	8.1	.0	.0	100%	3.6	75.4	19.1	1.9	SE /47%
2017/06	100%	.98	2.6/ 7.8/SW	5.3	8.2	8.9	75.4	15.7	.0	87.1	12.4	.6	.0	100%	.1	9.9	88.9	1.1	SW /36%
2017/07	100%	1.04	10.1/10.5/SSW	5.7	10.5	20.6	67.2	5.5	6.7	61.4	34.5	3.8	.3	100%	.3	34.7	64.4	.7	SSW/27%
2017/08	100%	.96	4.3/ 8.1/S	5.6	8.8	24.2	61.4	12.4	2.0	60.5	37.6	1.9	.0	100%	.1	19.5	80.0	.4	SW /37%
2017/09	100%	.78	3.0/ 7.7/SW	5.6	10.1	37.8	50.6	11.5	.1	67.5	31.9	.4	.1	100%	.4	55.0	44.6	.0	SE /32%
2017/10	100%	.89	3.3/ 7.5/S	5.8	10.8	17.2	71.9	10.1	.8	59.1	34.9	4.8	1.1	100%	6.6	85.8	7.7	.0	SE /47%
2017/11	100%	.72	1.7/ 5.2/SE	5.4	7.7	22.9	76.4	.7	.0	69.6	30.4	.0	.0	100%	12.8	83.9	3.2	.1	SE /47%
2017/冬	100%	.87	1.9/ 7.1/SSE	6.1	9.6	6.9	90.7	2.4	.0	40.2	58.7	1.1	.0	100%	3.8	89.4	6.9	.0	SE /47%
2017/春	100%	.55	1.3/ 5.3/S	5.3	7.5	46.9	53.1	.0	.0	81.3	18.8	.0	.0	100%	2.3	81.2	15.3	1.3	SE /45%
2017/夏	100%	.99	10.1/10.5/SSW	5.5	10.5	18.0	67.9	11.1	2.9	69.5	28.4	2.1	.1	100%	.2	21.5	77.6	.7	SSW/29%
2017/秋	100%	.80	3.3/ 7.5/S	5.6	10.8	25.9	66.3	7.5	.3	65.3	32.5	1.8	.4	100%	6.6	75.0	18.4	.0	SE /42%
2017/年	100%	.80	10.1/10.5/SSW	5.6	10.8	24.5	69.4	5.3	.8	64.2	34.4	1.2	.1	100%	3.2	66.6	29.7	.5	SE /36%

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Wave H_s in Peng-Tung Seas of PNY0 at 2017

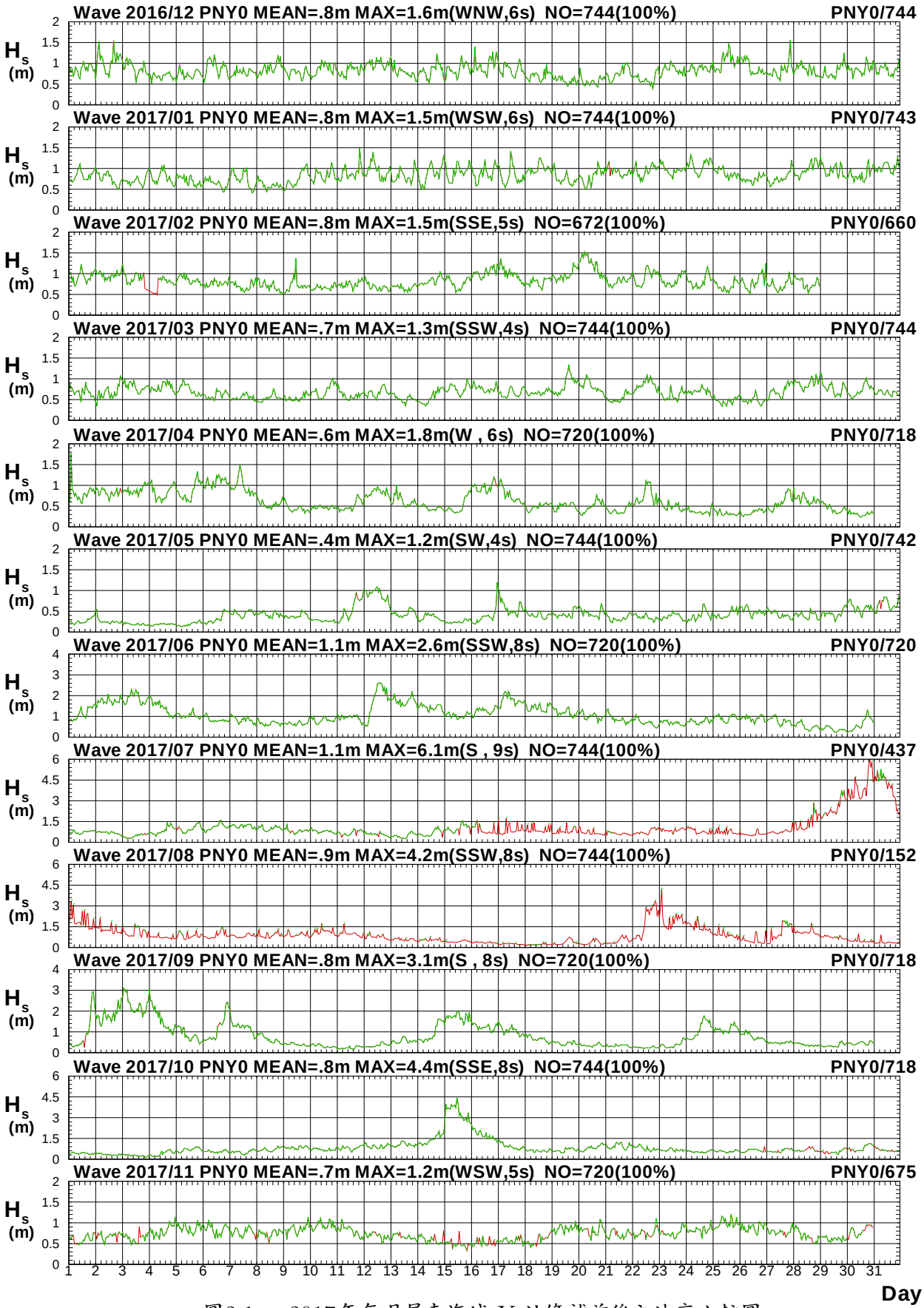

圖2.1a　2017年每月屏東海域 Y 站修補前後之波高比較圖

V16CPNY0.1HA V16CPNY0.1H0 V171PNY0.1HA V171PNY0.1H0 V172PNY0.1HA V172PNY0.1H0
V173PNY0.1HA V173PNY0.1H0 V174PNY0.1HA V174PNY0.1H0 V175PNY0.1HA V175PNY0.1H0

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Wave T_p in Peng-Tung Seas of PNY0 at 2017

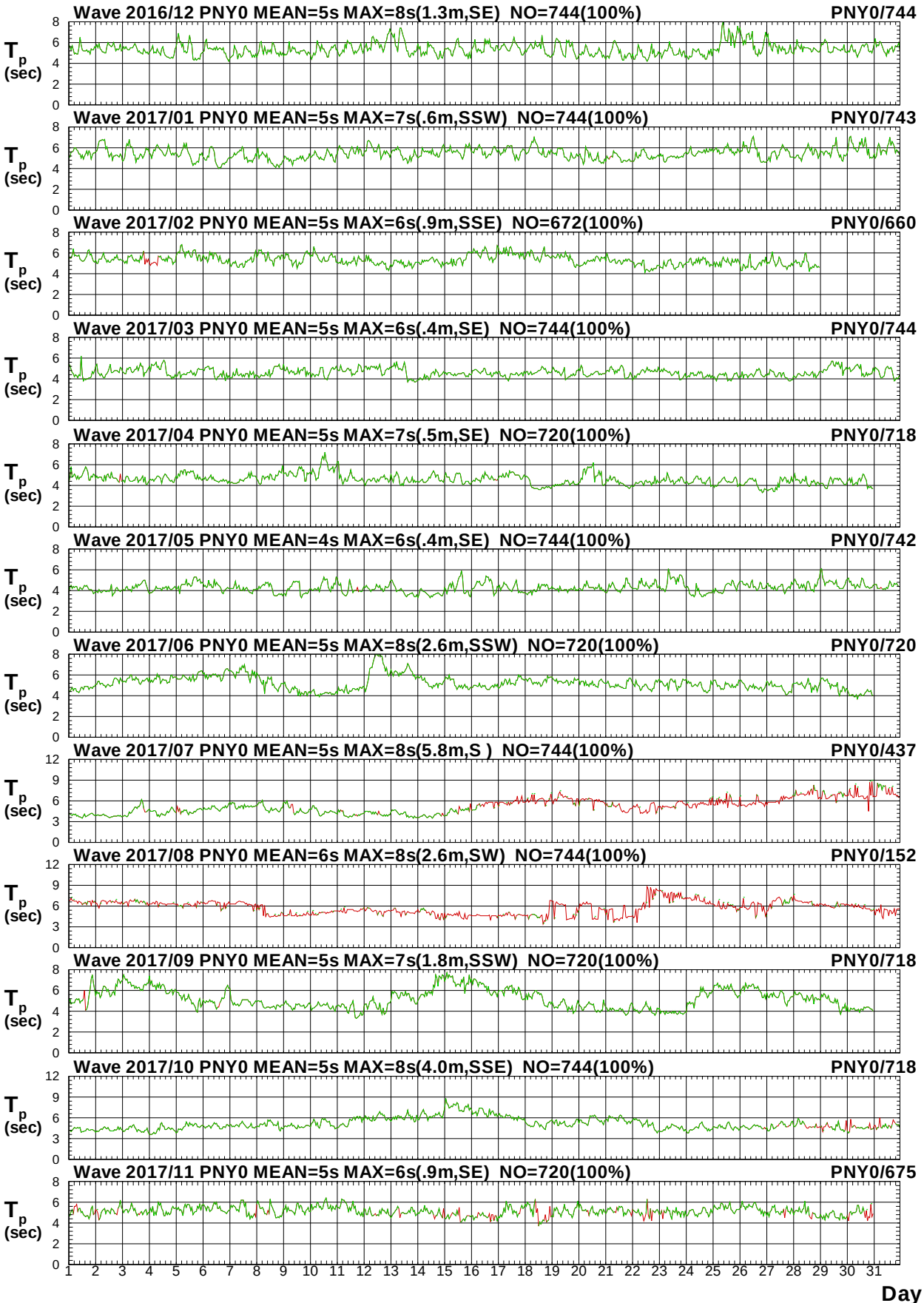

圖2.1b　2017年每月屏東海域 Y 站修補前後之週期比較圖

V16CPNY0.1HA V16CPNY0.1H0 V171PNY0.1HA V171PNY0.1H0 V172PNY0.1HA V172PNY0.1H0
V173PNY0.1HA V173PNY0.1H0 V174PNY0.1HA V174PNY0.1H0 V175PNY0.1HA V175PNY0.1H0

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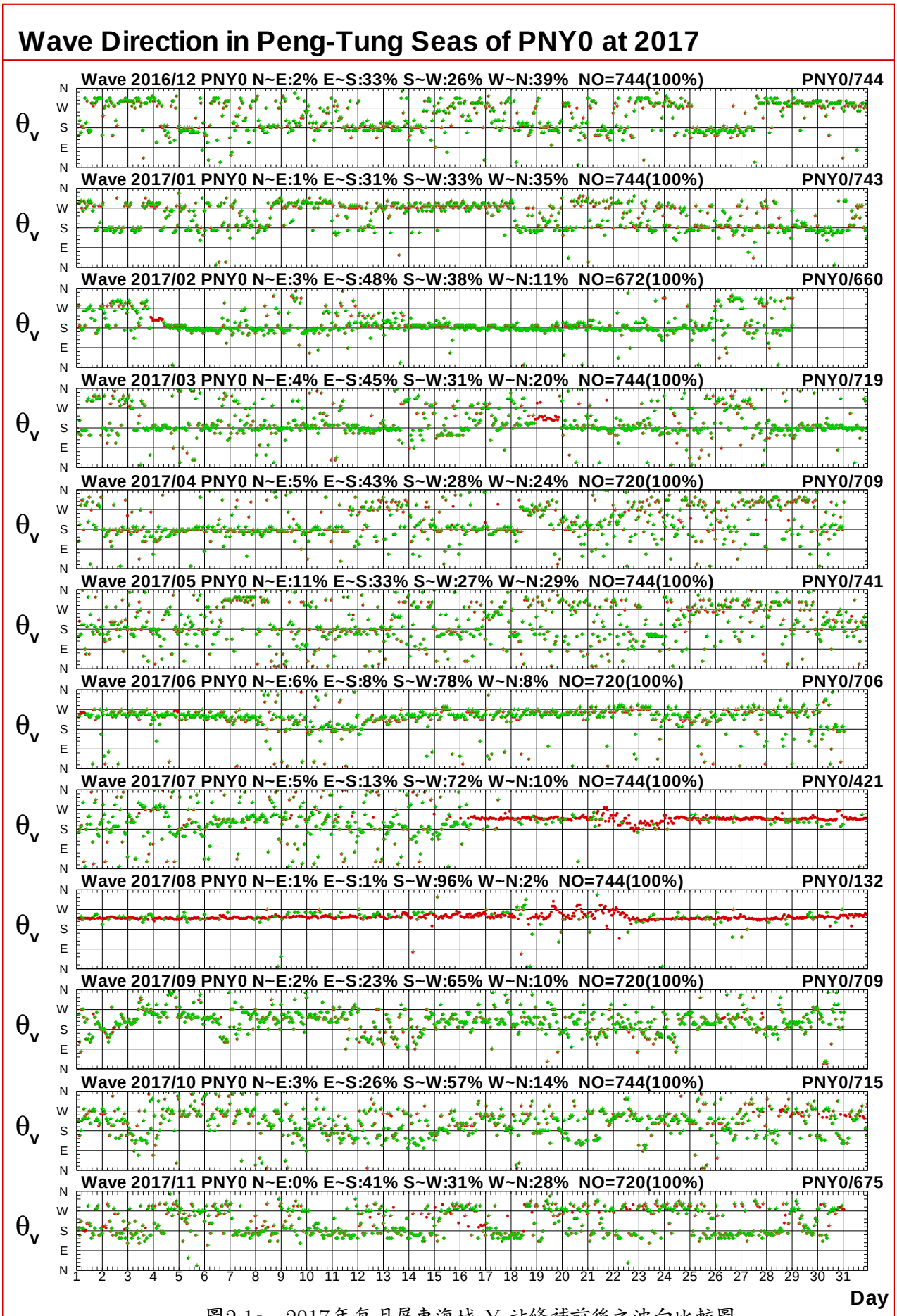

圖2.1c　2017年每月屏東海域 Y 站修補前後之波向比較圖

V16CPNY0.1HA V16CPNY0.1H0 V171PNY0.1HA V171PNY0.1H0 V172PNY0.1HA V172PNY0.1H0
V173PNY0.1HA V173PNY0.1H0 V174PNY0.1HA V174PNY0.1H0 V175PNY0.1HA V175PNY0.1H0

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Wave H_s in Peng-Tung Seas of PNY0 at 2017

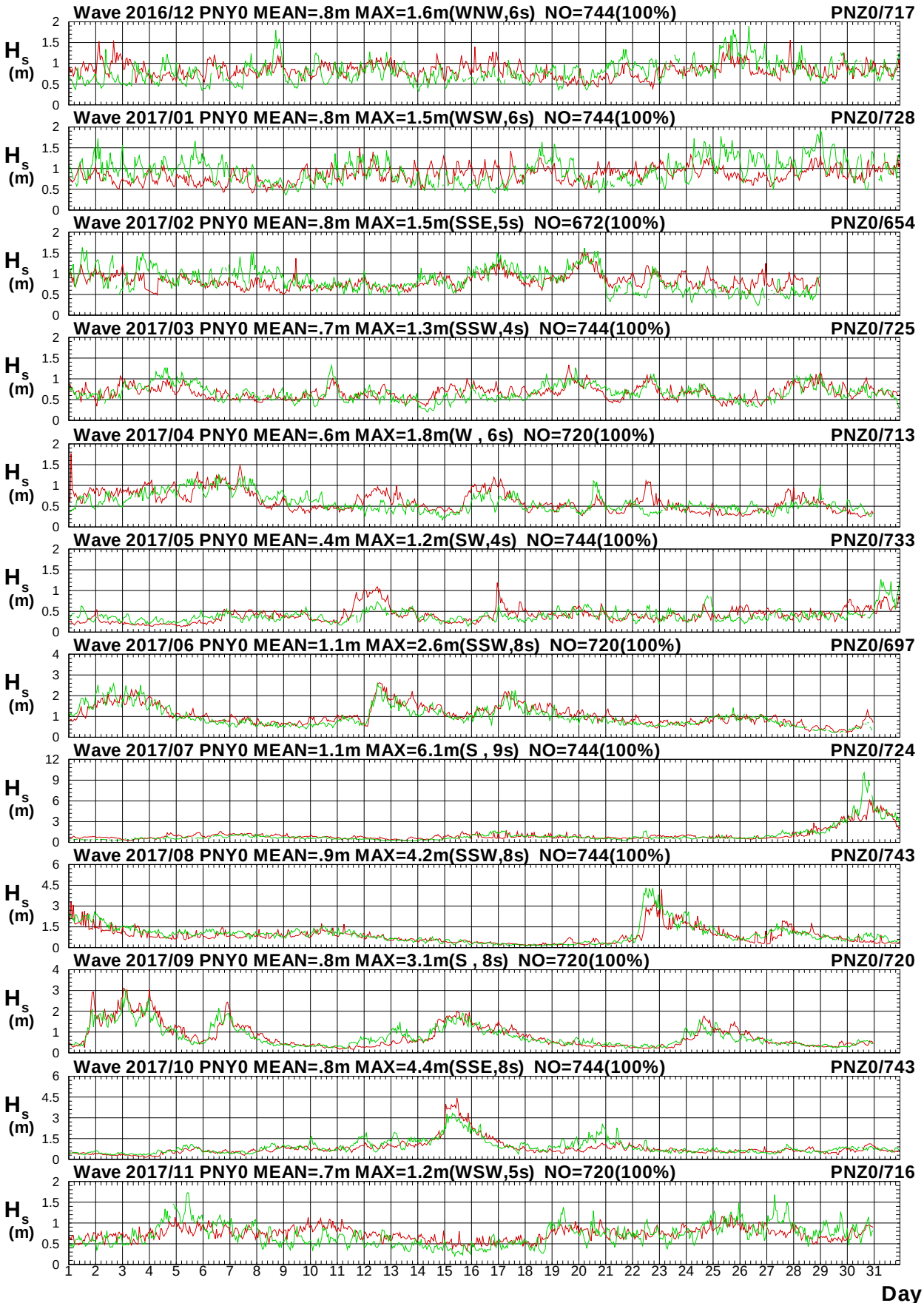

圖2.2a　2017年每月屏東海域 Y 站與 Z 站波高比較圖

V16CPNY0.1HA V16CPNZ0.1H0 V171PNY0.1HA V171PNZ0.1H0 V172PNY0.1HA V172PNZ0.1H0
V173PNY0.1HA V173PNZ0.1H0 V174PNY0.1HA V174PNZ0.1H0 V175PNY0.1HA V175PNZ0.1H0

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Wave T_p in Peng-Tung Seas of PNY0 at 2017

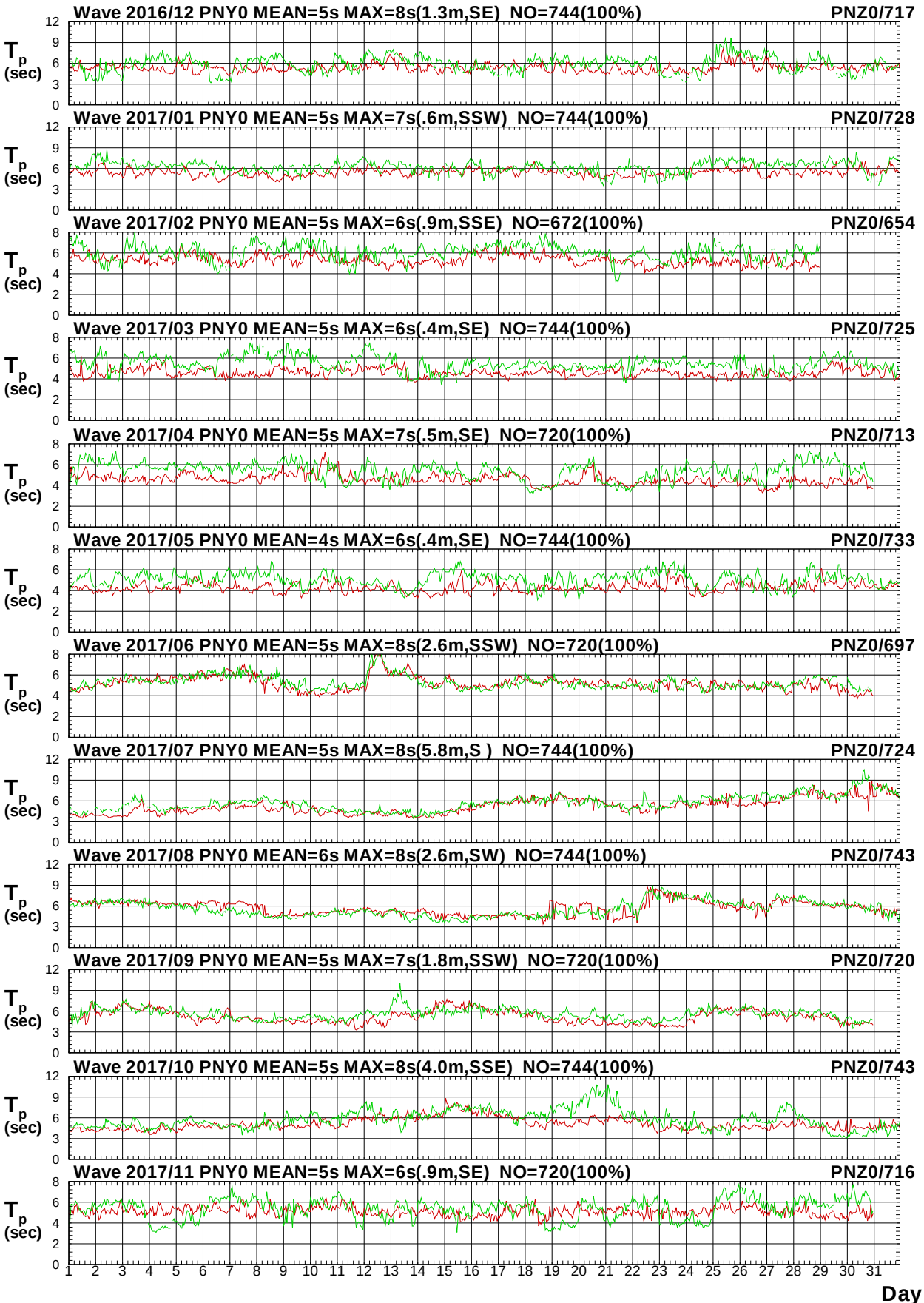

圖2.2b　2017年每月屏東海域 Y 站與 Z 站週期比較圖

V16CPNY0.1HA V16CPNZ0.1H0 V171PNY0.1HA V171PNZ0.1H0 V172PNY0.1HA V172PNZ0.1H0
V173PNY0.1HA V173PNZ0.1H0 V174PNY0.1HA V174PNZ0.1H0 V175PNY0.1HA V175PNZ0.1H0

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Wave Direction in Peng-Tung Seas of PNY0 at 2017

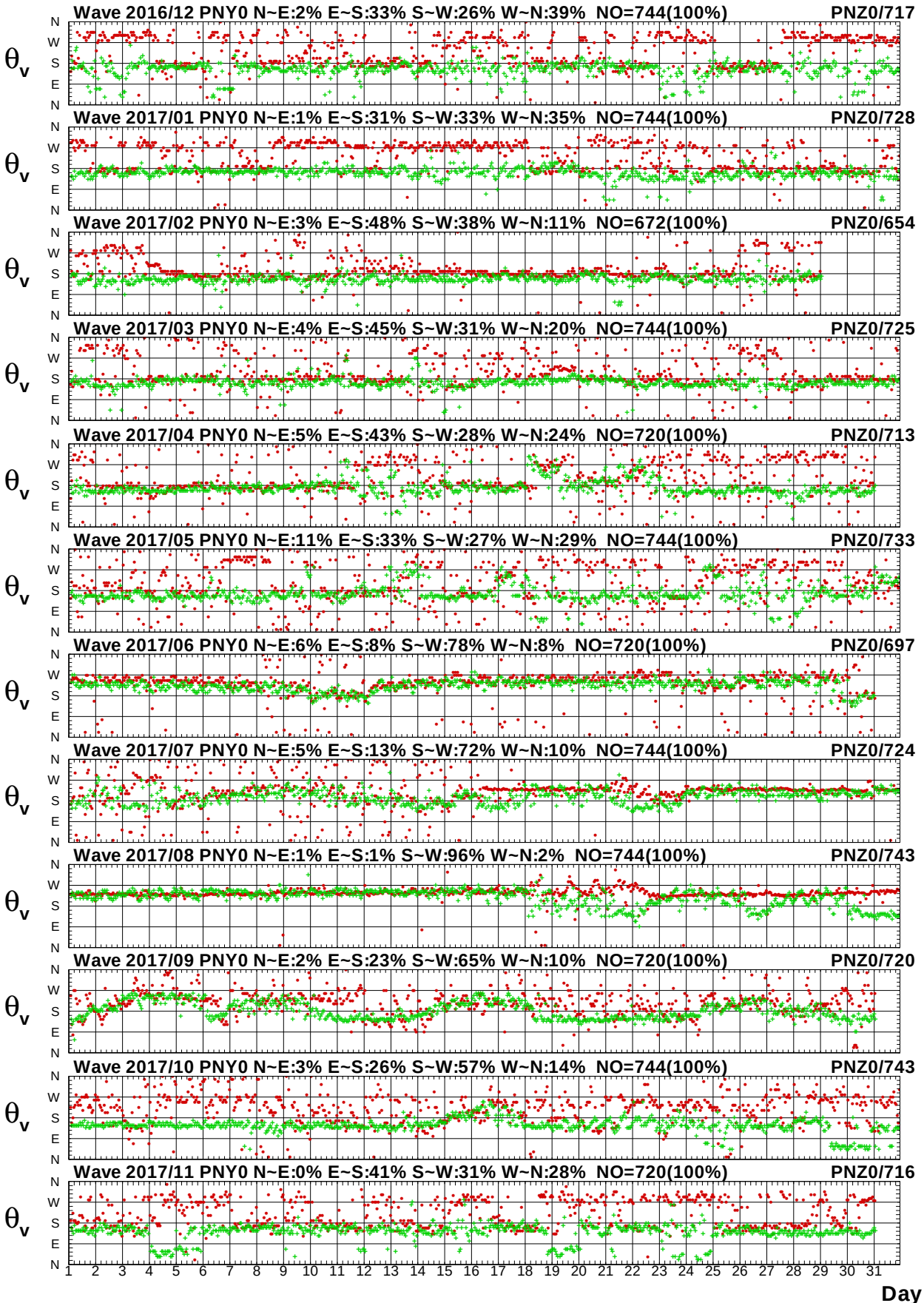

圖2.2c　2017年每月屏東海域 Y 站與 Z 站波向比較圖

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V173PNY0.1HA V173PNZ0.1H0 V174PNY0.1HA V174PNZ0.1H0 V175PNY0.1HA V175PNZ0.1H0

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Wave H_s in Peng-Tung Seas of PNY0 at 2017

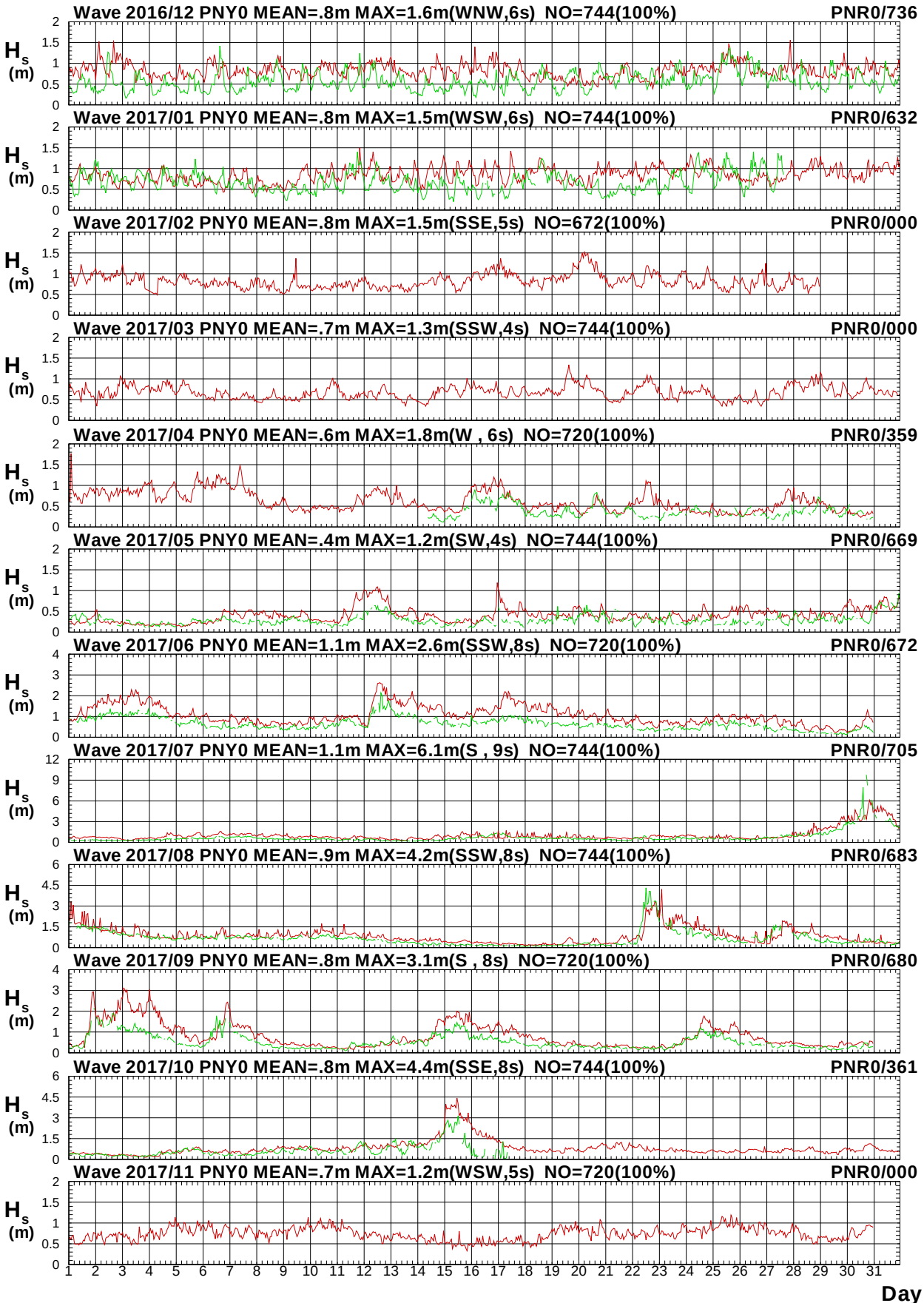

圖2.3a　2017年每月屏東海域 Y 站與 R 站波高比較圖

V16CPNY0.1HA V16CPNR0.1H0 V171PNY0.1HA V171PNR0.1H0 V172PNY0.1HA V172PNR0.1H0
V173PNY0.1HA V173PNR0.1H0 V174PNY0.1HA V174PNR0.1H0 V175PNY0.1HA V175PNR0.1H0

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Wave T_p in Peng-Tung Seas of PNY0 at 2017

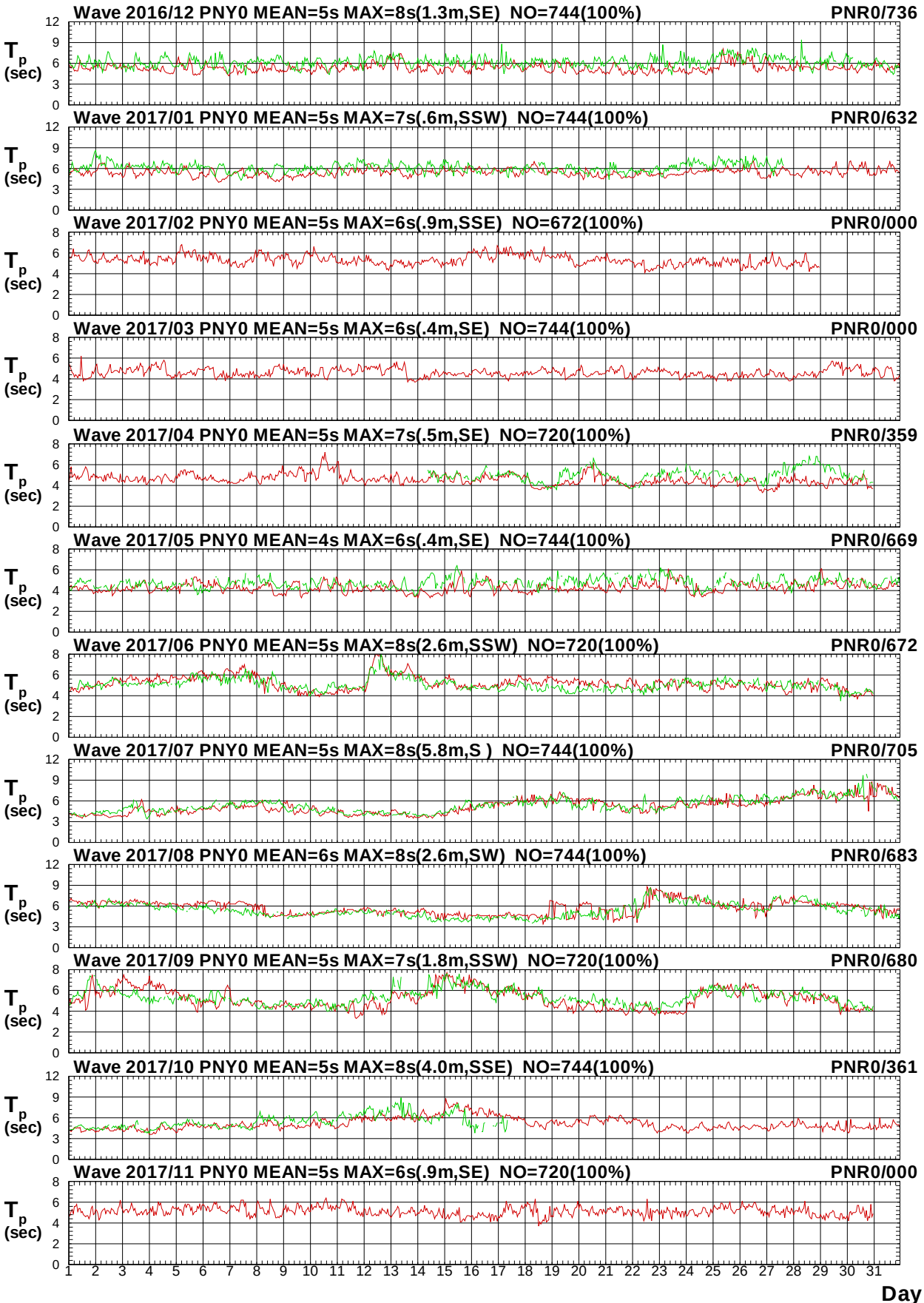

圖2.3b　2017年每月屏東海域 Y 站與 R 站週期比較圖

V16CPNY0.1HA V16CPNR0.1H0 V171PNY0.1HA V171PNR0.1H0 V172PNY0.1HA V172PNR0.1H0
V173PNY0.1HA V173PNR0.1H0 V174PNY0.1HA V174PNR0.1H0 V175PNY0.1HA V175PNR0.1H0

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Wave Direction in Peng-Tung Seas of PNY0 at 2017

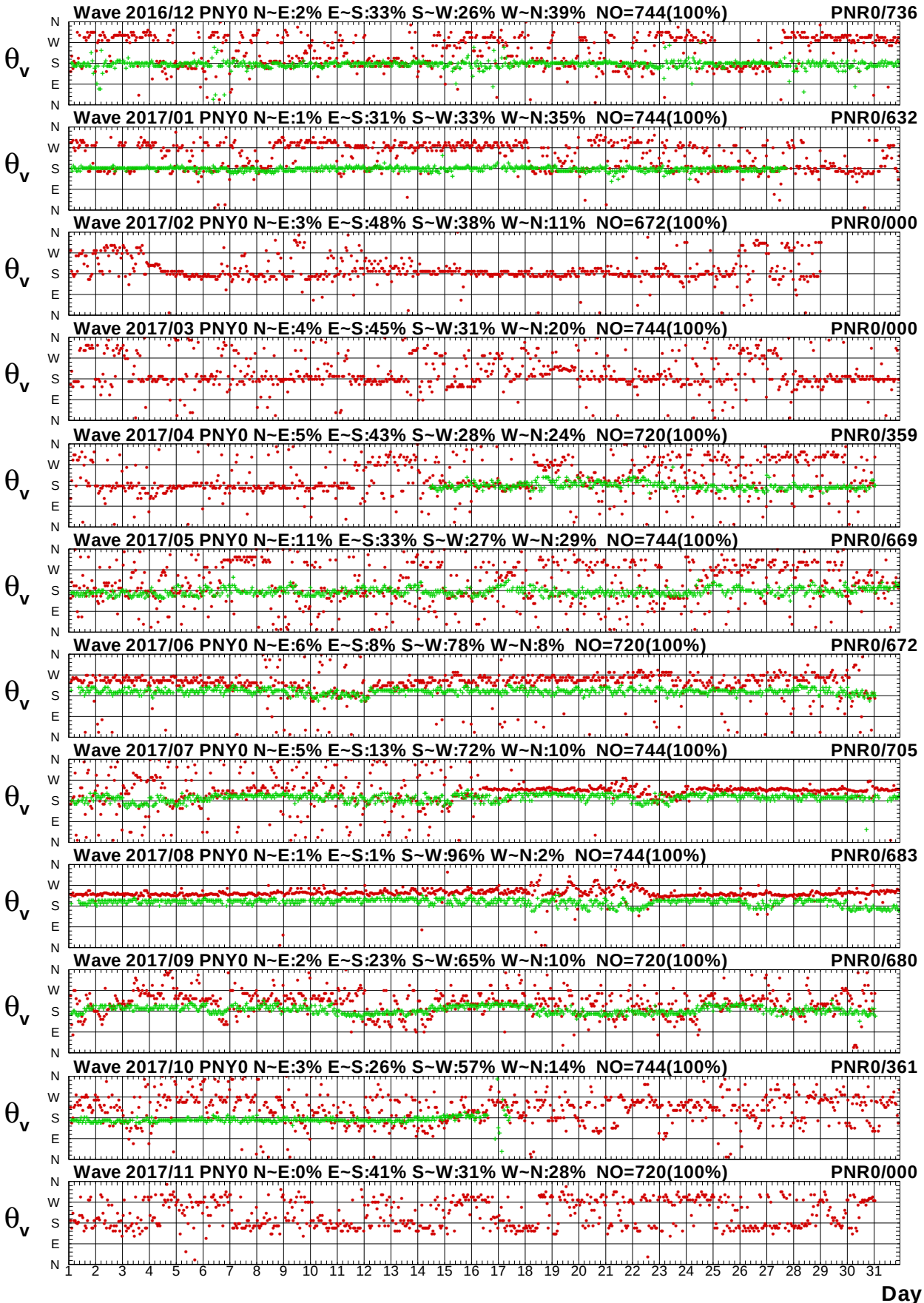

圖2.3c　2017年每月屏東海域 Y 站與 R 站波向比較圖

V16CPNY0.1HA V16CPNR0.1H0 V171PNY0.1HA V171PNR0.1H0 V172PNY0.1HA V172PNR0.1H0
V173PNY0.1HA V173PNR0.1H0 V174PNY0.1HA V174PNR0.1H0 V175PNY0.1HA V175PNR0.1H0

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Wave H_s in Peng-Tung Seas of PNY0 at 2017

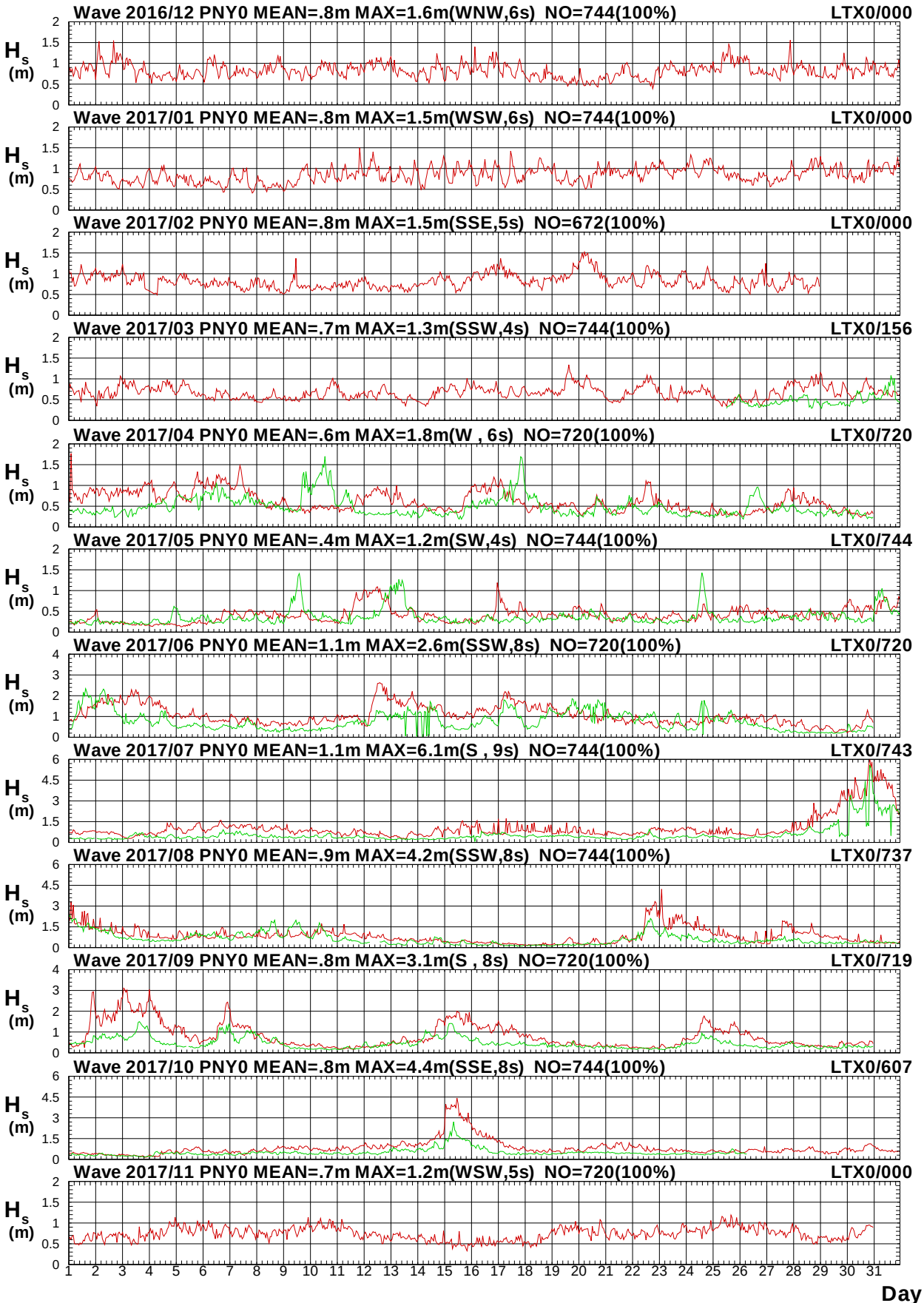

圖2.4a　2017年每月屏東海域 Y 站與臺東海域 X 站波高圖

V16CPNY0.1HA V16CLTX0.1H0 V171PNY0.1HA V171LTX0.1H0 V172PNY0.1HA V172LTX0.1H0
V173PNY0.1HA V173LTX0.1H0 V174PNY0.1HA V174LTX0.1H0 V175PNY0.1HA V175LTX0.1H0

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Wave T_p in Peng-Tung Seas of PNY0 at 2017

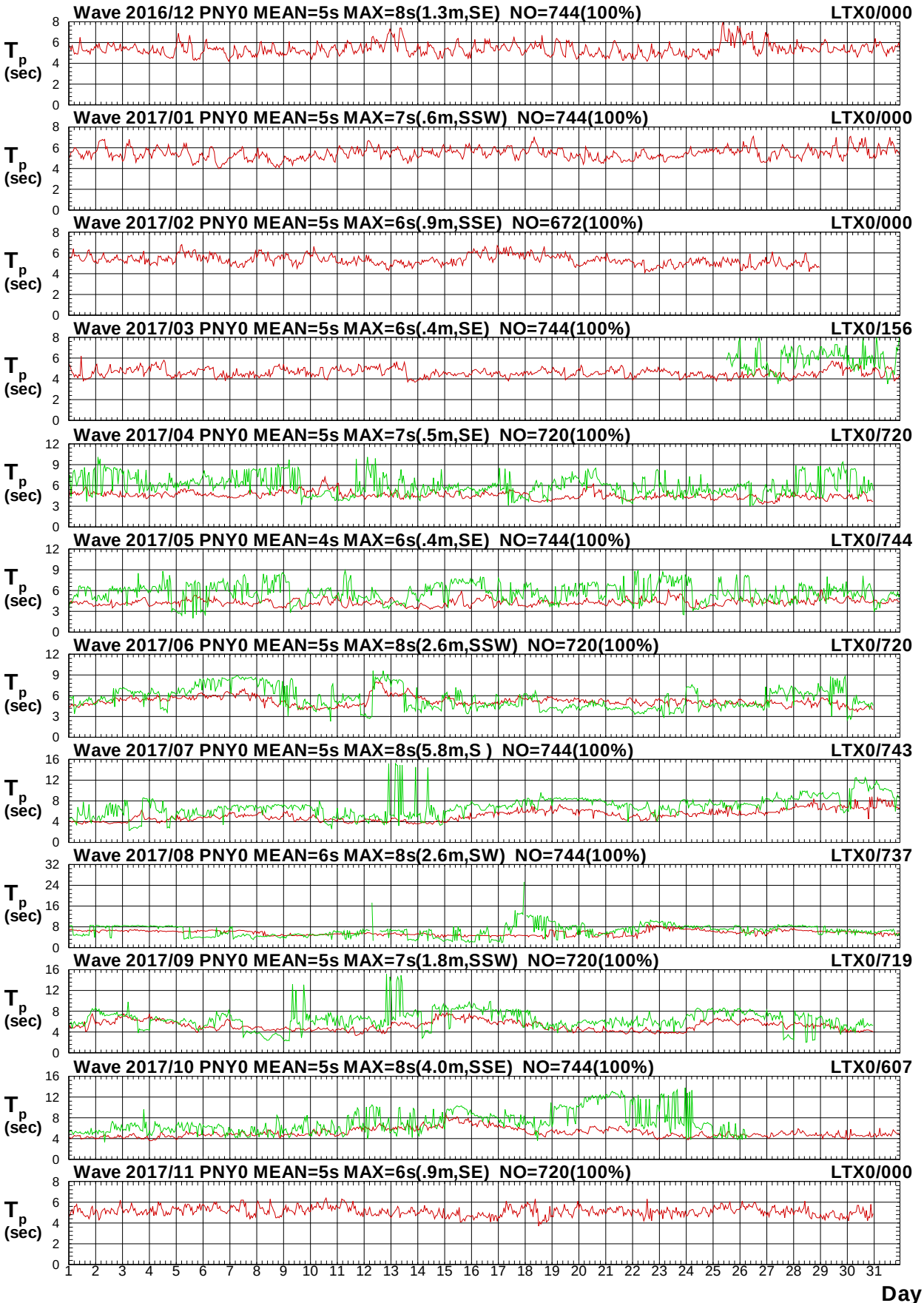

圖2.4b　2017年每月屏東海域 Y 站與臺東海域 X 站週期圖

V16CPNY0.1HA V16CLTX0.1H0 V171PNY0.1HA V171LTX0.1H0 V172PNY0.1HA V172LTX0.1H0
V173PNY0.1HA V173LTX0.1H0 V174PNY0.1HA V174LTX0.1H0 V175PNY0.1HA V175LTX0.1H0

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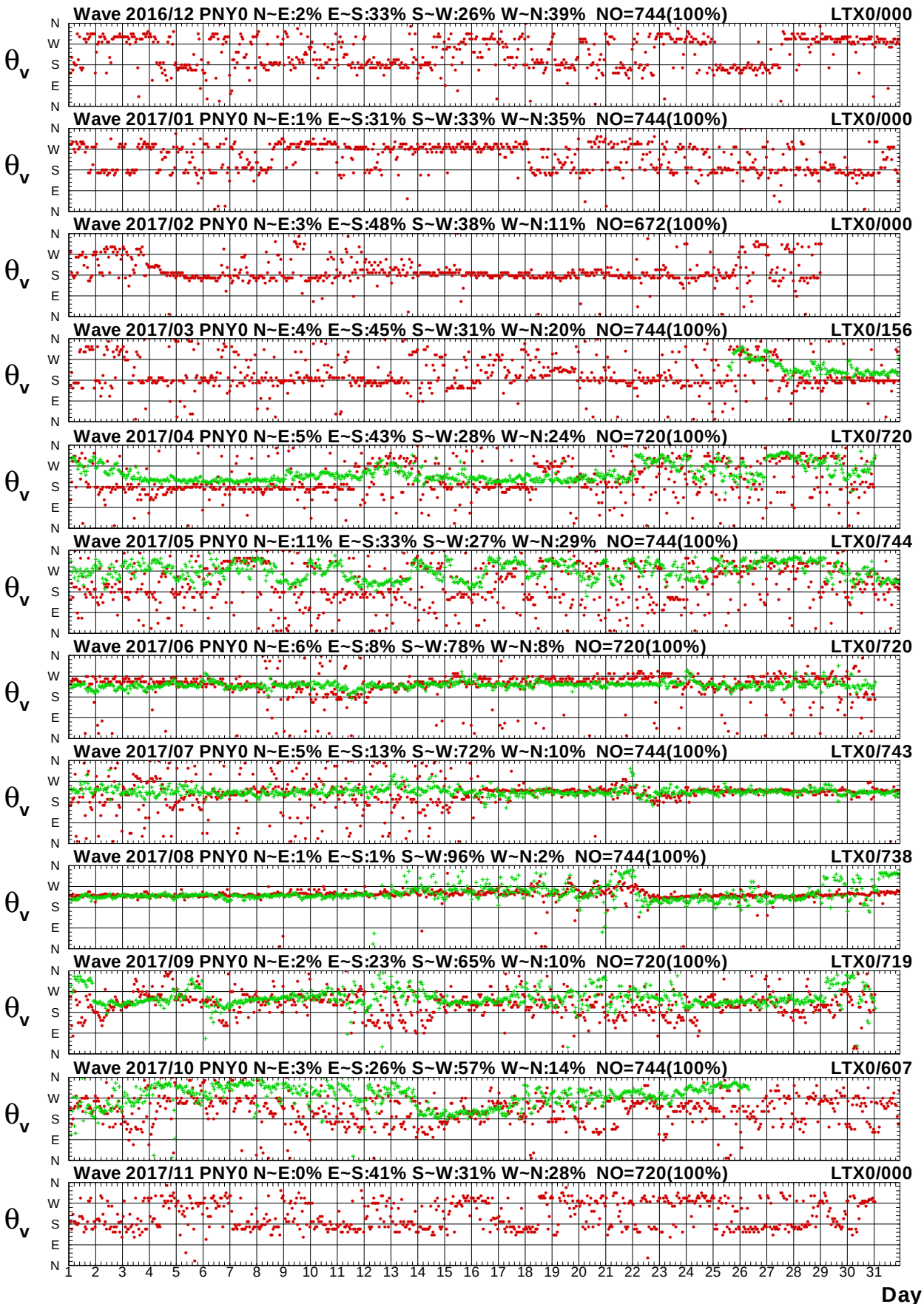

圖2.4c　2017年每月屏東海域 Y 站與臺東海域 X 站波向圖

Wave H_s in Peng-Tung Seas of PNY0 at 2017

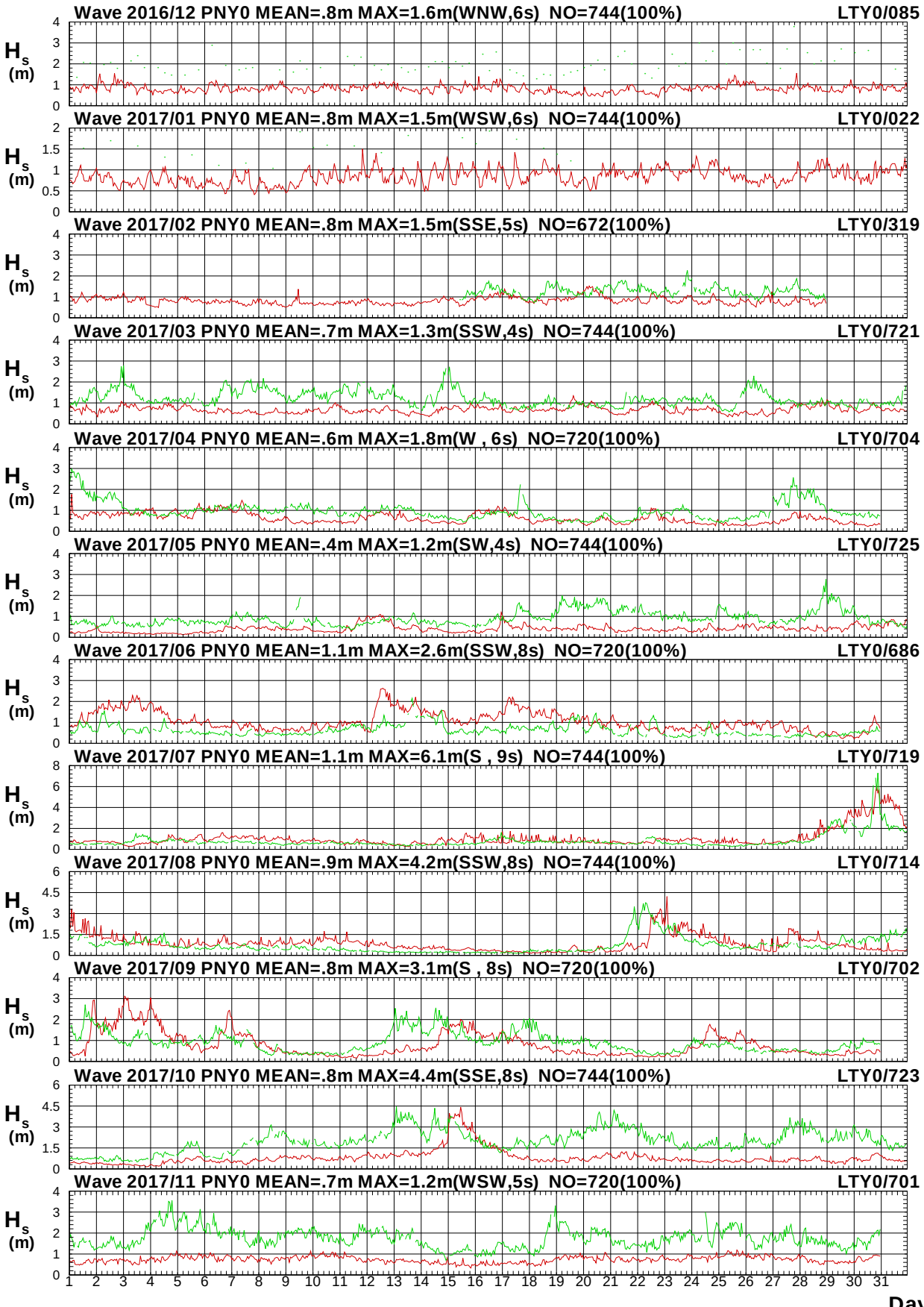

圖2.5a　2017年每月屏東海域 Y 站與臺東海域 Y 站波高圖

V16CPNY0.1HA V16CLTY0.1H0 V171PNY0.1HA V171LTY0.1H0 V172PNY0.1HA V172LTY0.1H0
V173PNY0.1HA V173LTY0.1H0 V174PNY0.1HA V174LTY0.1H0 V175PNY0.1HA V175LTY0.1H0

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Wave T_p in Peng-Tung Seas of PNY0 at 2017

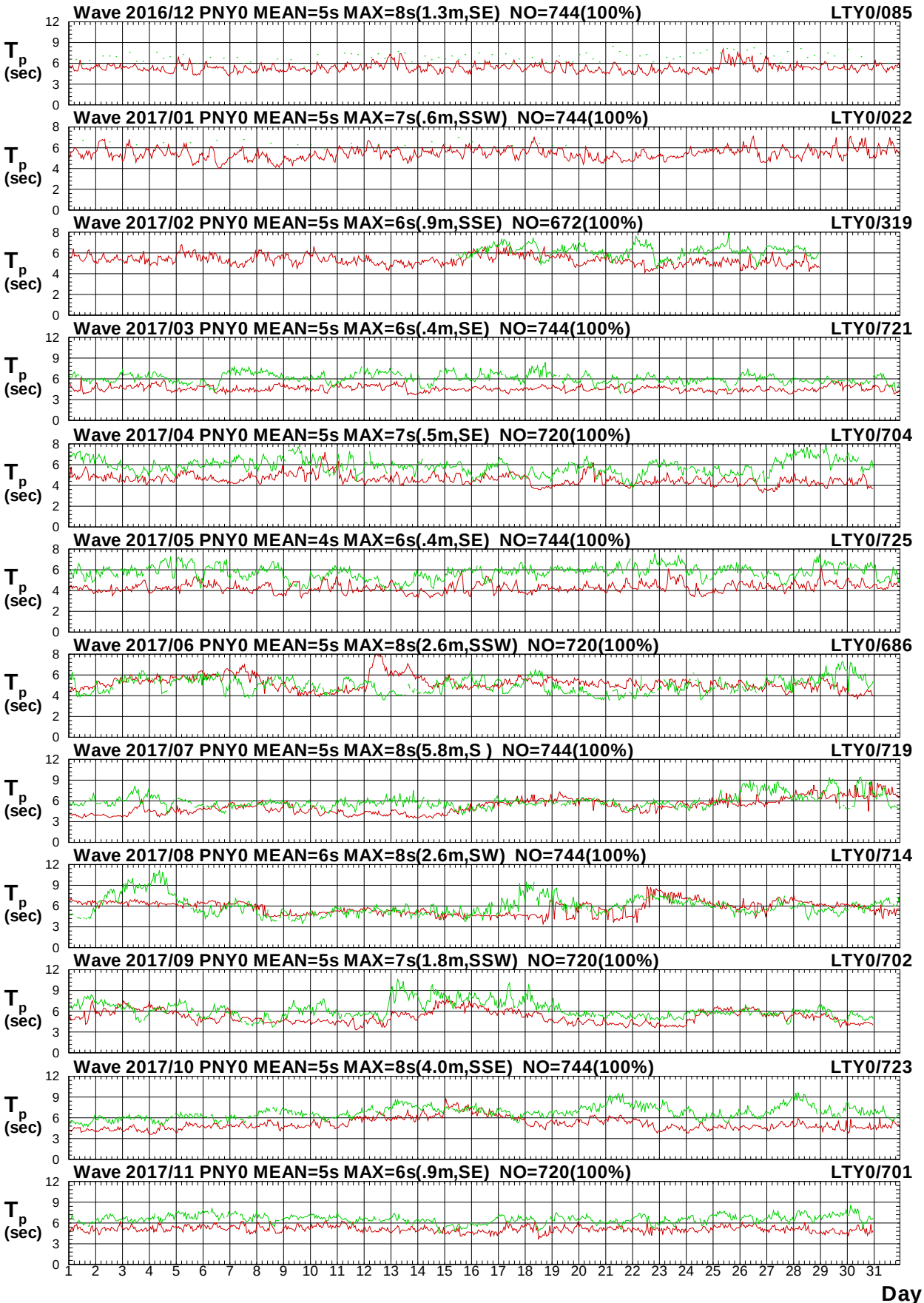

圖2.5b　2017年每月屏東海域 Y 站與臺東海域 Y 站週期圖

V16CPNY0.1HA V16CLTY0.1H0 V171PNY0.1HA V171LTY0.1H0 V172PNY0.1HA V172LTY0.1H0
V173PNY0.1HA V173LTY0.1H0 V174PNY0.1HA V174LTY0.1H0 V175PNY0.1HA V175LTY0.1H0

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Wave Direction in Peng-Tung Seas of PNY0 at 2017

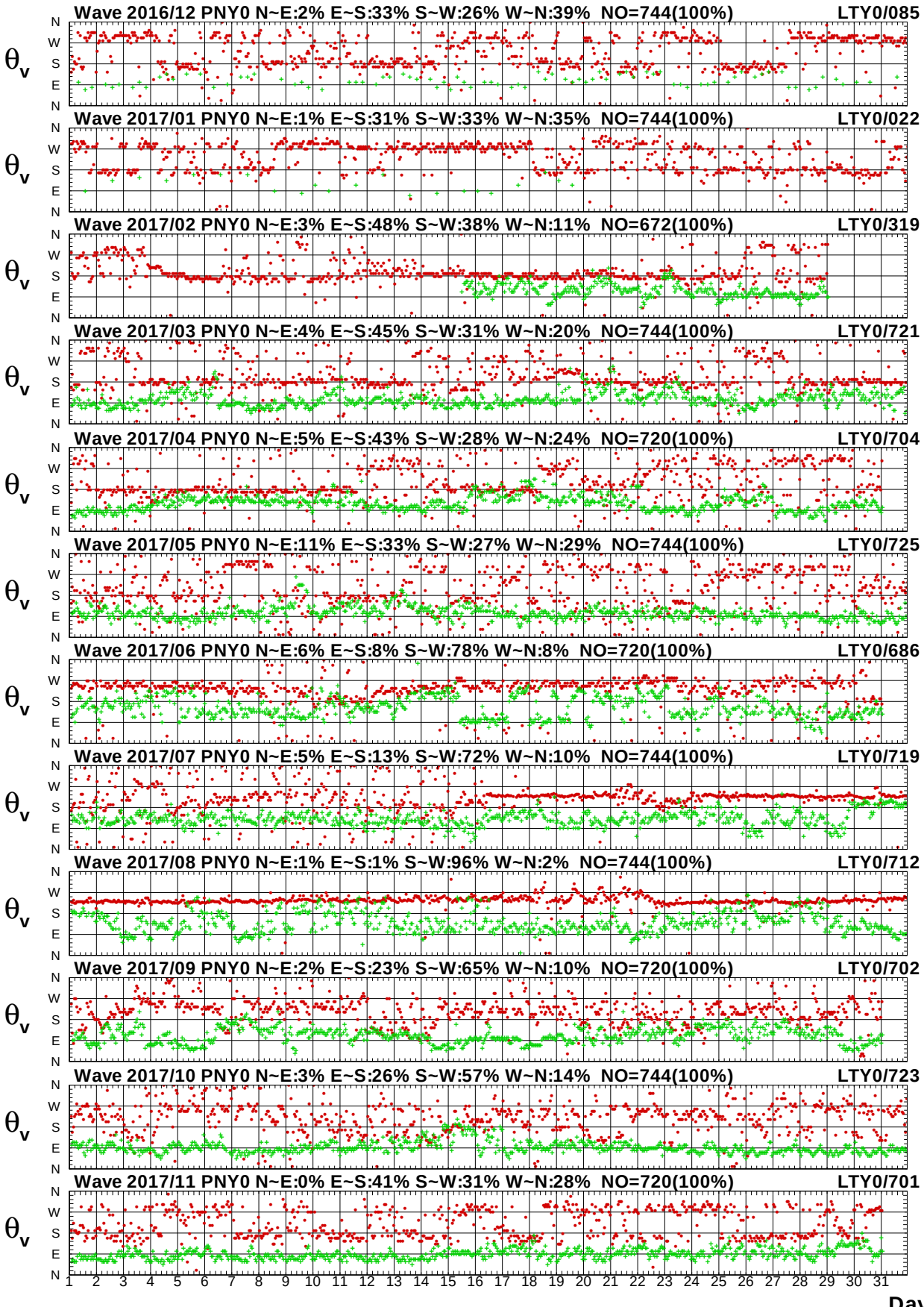

圖2.5c　2017年每月屏東海域 Y 站與臺東海域 Y 站波向圖

V16CPNY0.1HA V16CLTY0.1H0 V171PNY0.1HA V171LTY0.1H0 V172PNY0.1HA V172LTY0.1H0
V173PNY0.1HA V173LTY0.1H0 V174PNY0.1HA V174LTY0.1H0 V175PNY0.1HA V175LTY0.1H0

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Wave H_s in Peng-Tung Seas of PNY0 at 2017

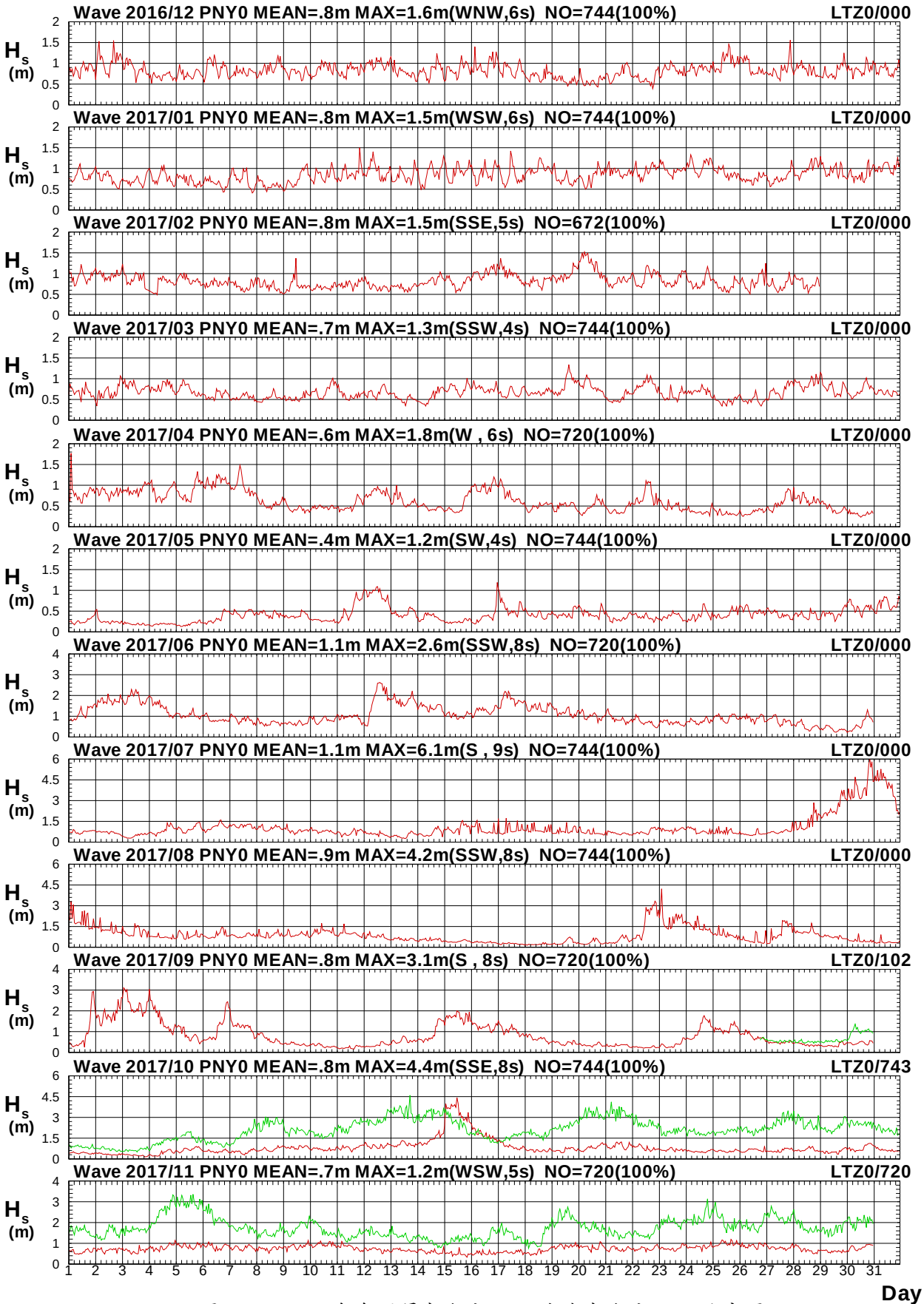

圖2.6a　2017年每月屏東海域 Y 站與臺東海域 Z 站波高圖

V16CPNY0.1HA V16CLTZ0.1H0 V171PNY0.1HA V171LTZ0.1H0 V172PNY0.1HA V172LTZ0.1H0
V173PNY0.1HA V173LTZ0.1H0 V174PNY0.1HA V174LTZ0.1H0 V175PNY0.1HA V175LTZ0.1H0

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Wave T_p in Peng-Tung Seas of PNY0 at 2017

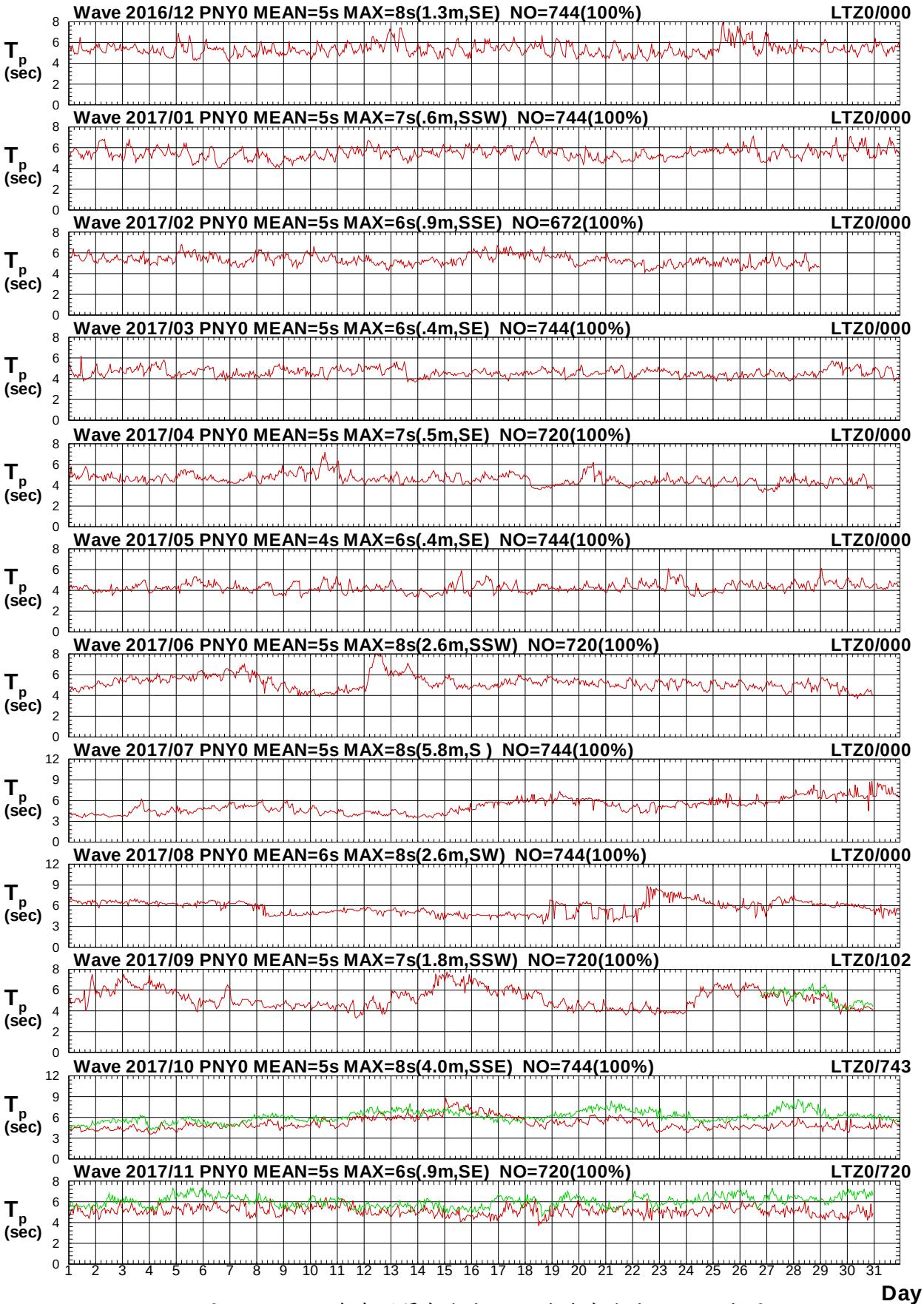

圖2.6b　2017年每月屏東海域 Y 站與臺東海域 Z 站週期圖

V16CPNY0.1HA V16CLTZ0.1H0 V171PNY0.1HA V171LTZ0.1H0 V172PNY0.1HA V172LTZ0.1H0
V173PNY0.1HA V173LTZ0.1H0 V174PNY0.1HA V174LTZ0.1H0 V175PNY0.1HA V175LTZ0.1H0

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Wave Direction in Peng-Tung Seas of PNY0 at 2017

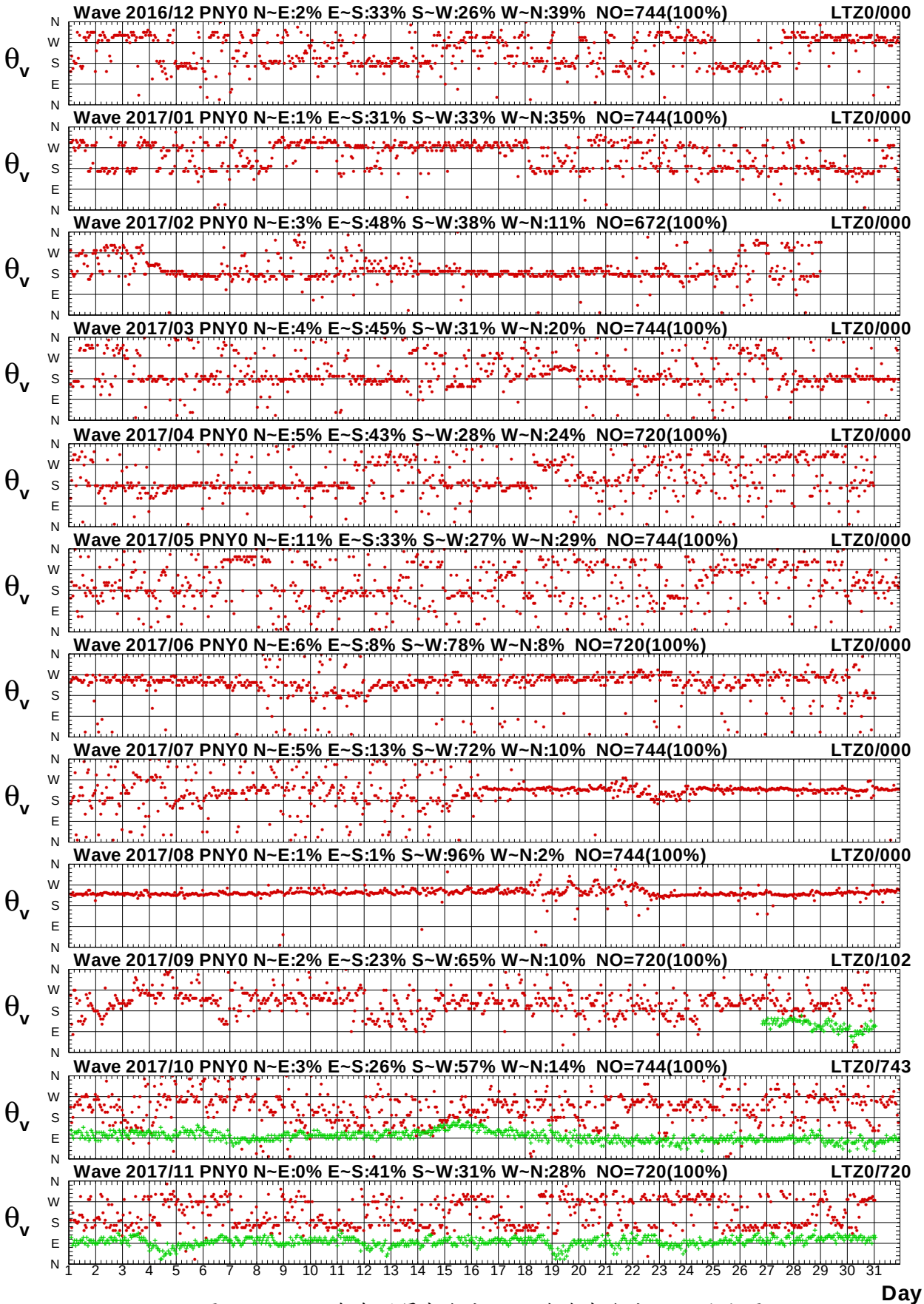

圖2.6c　2017年每月屏東海域 Y 站與臺東海域 Z 站波向圖

V16CPNY0.1HA V16CLTZ0.1H0 V171PNY0.1HA V171LTZ0.1H0 V172PNY0.1HA V172LTZ0.1H0
V173PNY0.1HA V173LTZ0.1H0 V174PNY0.1HA V174LTZ0.1H0 V175PNY0.1HA V175LTZ0.1H0

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Wave H_s in Peng-Tung Seas of PNY0 at 2017

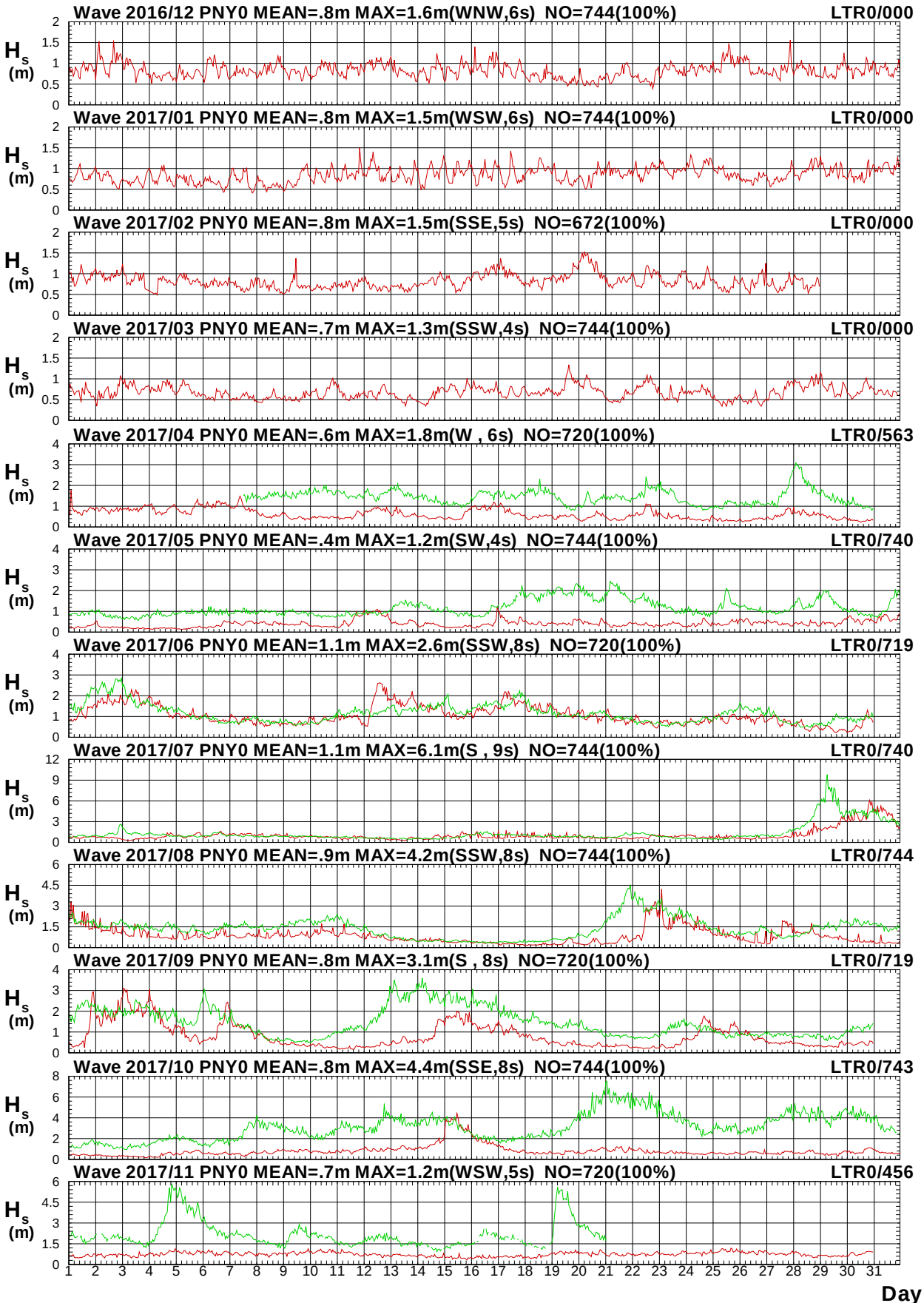

圖2.7a　2017年每月屏東海域 Y 站與臺東海域 R 站波高圖

V16CPNY0.1HA V16CLTR0.1H0 V171PNY0.1HA V171LTR0.1H0 V172PNY0.1HA V172LTR0.1H0
V173PNY0.1HA V173LTR0.1H0 V174PNY0.1HA V174LTR0.1H0 V175PNY0.1HA V175LTR0.1H0

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Wave T_p in Peng-Tung Seas of PNY0 at 2017

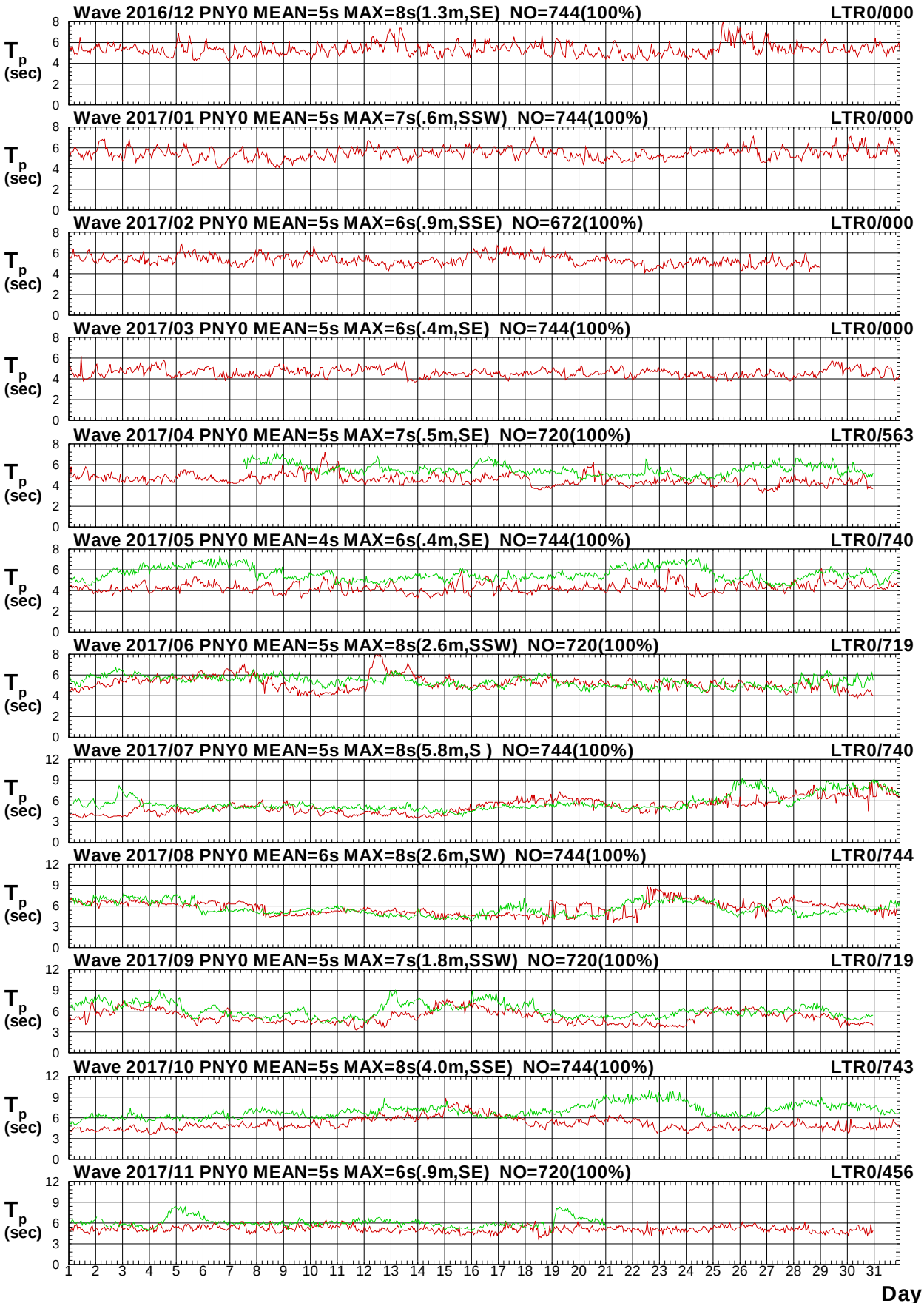

圖2.7b　2017年每月屏東海域 Y 站與臺東海域 R 站週期圖

V16CPNY0.1HA V16CLTR0.1H0 V171PNY0.1HA V171LTR0.1H0 V172PNY0.1HA V172LTR0.1H0
V173PNY0.1HA V173LTR0.1H0 V174PNY0.1HA V174LTR0.1H0 V175PNY0.1HA V175LTR0.1H0

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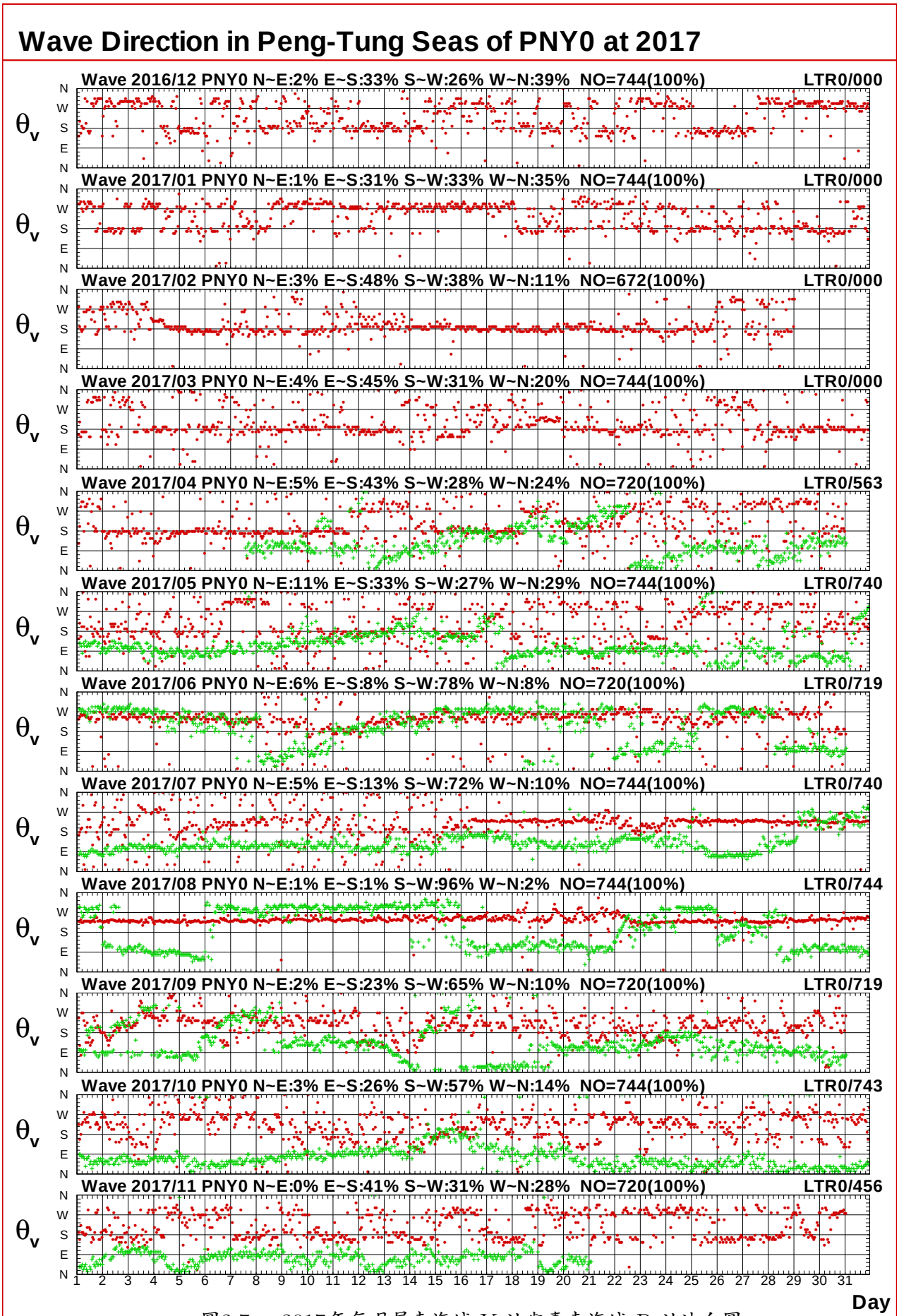

圖2.7c　2017年每月屏東海域 Y 站與臺東海域 R 站波向圖

V16CPNY0.1HA V16CLTR0.1H0 V171PNY0.1HA V171LTR0.1H0 V172PNY0.1HA V172LTR0.1H0
V173PNY0.1HA V173LTR0.1H0 V174PNY0.1HA V174LTR0.1H0 V175PNY0.1HA V175LTR0.1H0

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Wave H_s in Peng-Tung Seas of PNY0 at 2017

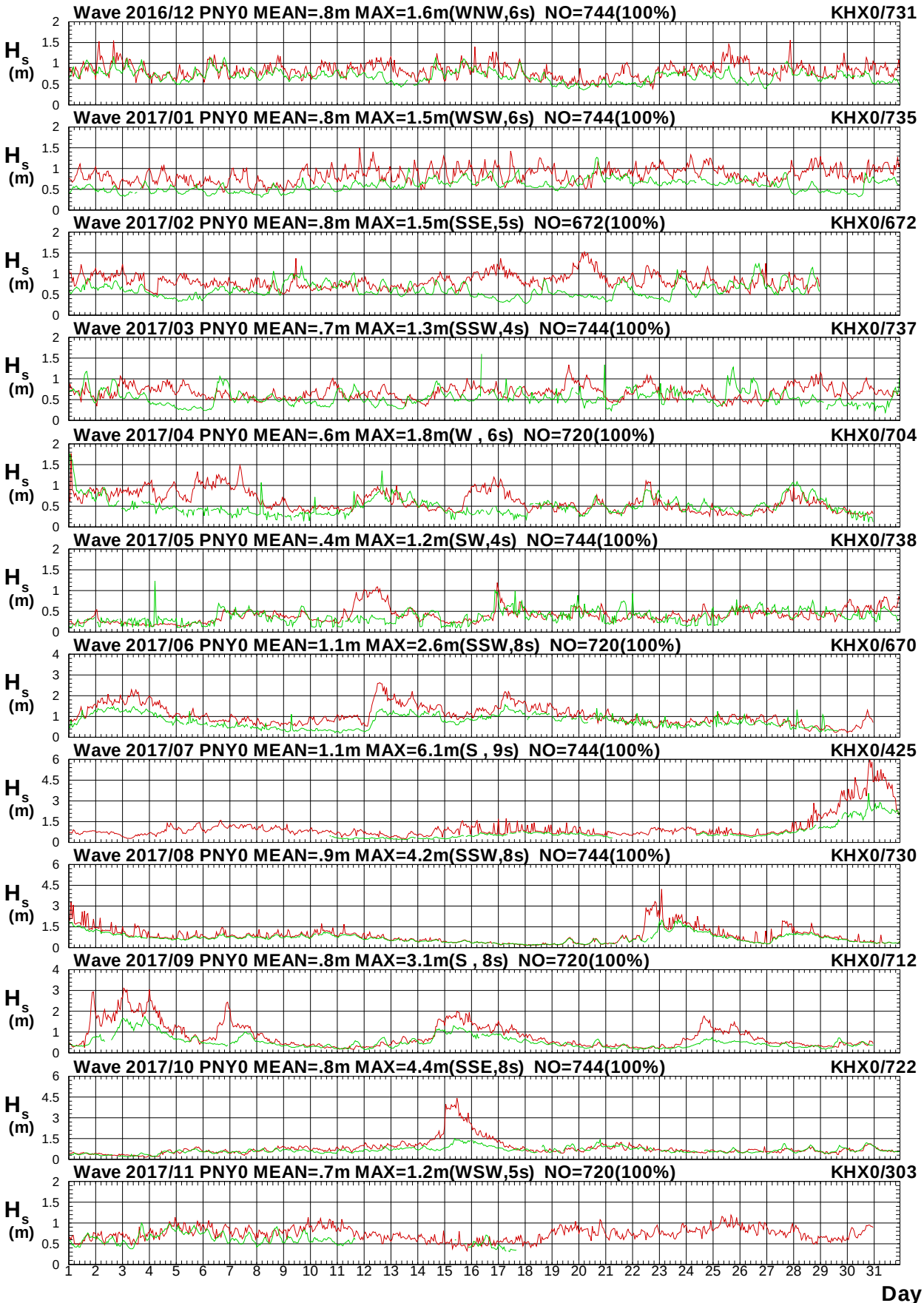

圖2.8a　2017年每月屏東海域 Y 站與高雄海域 X 站波高圖

V16CPNY0.1HA V16CKHX0.1H0 V171PNY0.1HA V171KHX0.1H0 V172PNY0.1HA V172KHX0.1H0
V173PNY0.1HA V173KHX0.1H0 V174PNY0.1HA V174KHX0.1H0 V175PNY0.1HA V175KHX0.1H0

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Wave T_p in Peng-Tung Seas of PNY0 at 2017

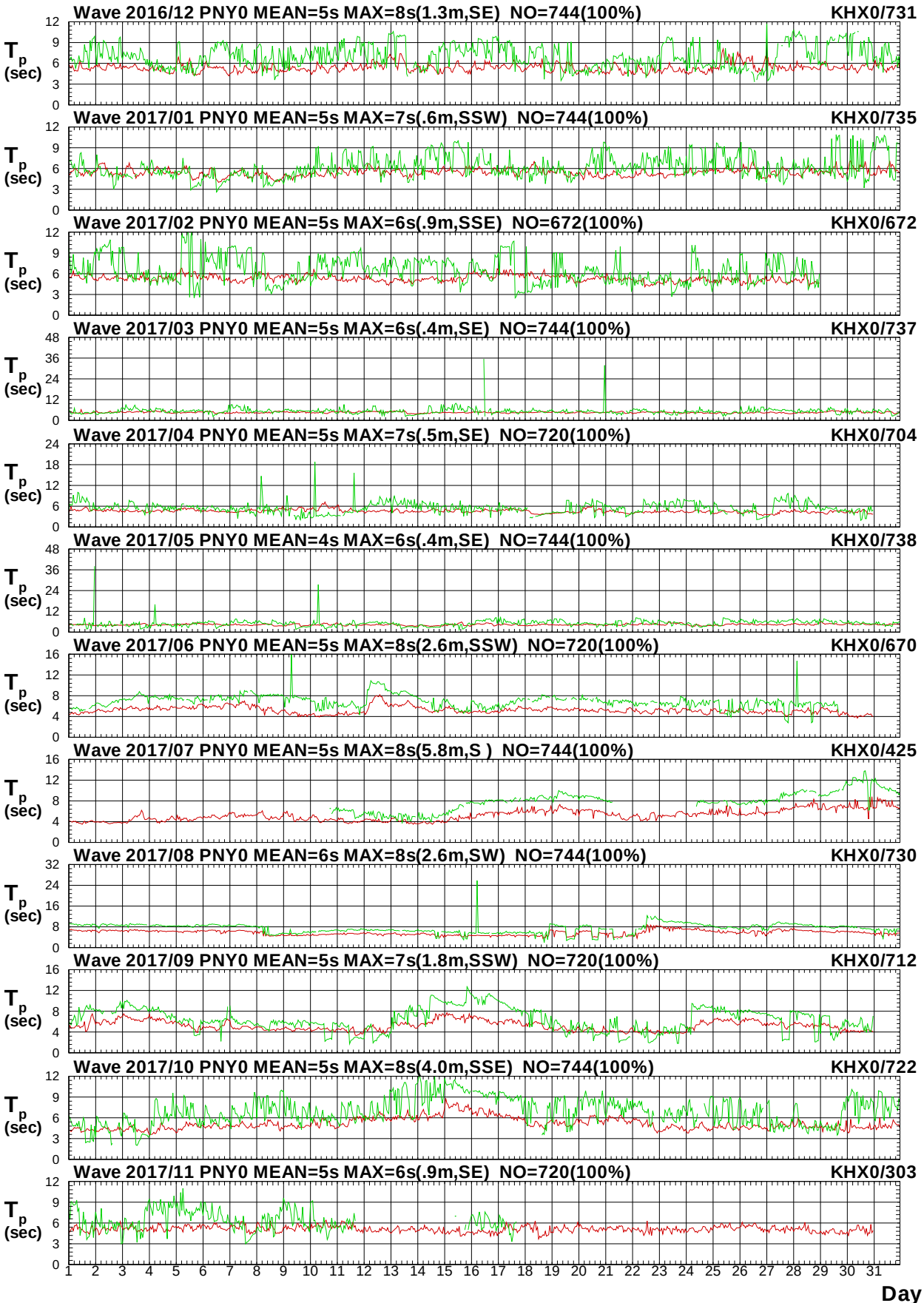

圖2.8b　2017年每月屏東海域 Y 站與高雄海域 X 站週期圖

V16CPNY0.1HA V16CKHX0.1H0 V171PNY0.1HA V171KHX0.1H0 V172PNY0.1HA V172KHX0.1H0
V173PNY0.1HA V173KHX0.1H0 V174PNY0.1HA V174KHX0.1H0 V175PNY0.1HA V175KHX0.1H0

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Wave Direction in Peng-Tung Seas of PNY0 at 2017

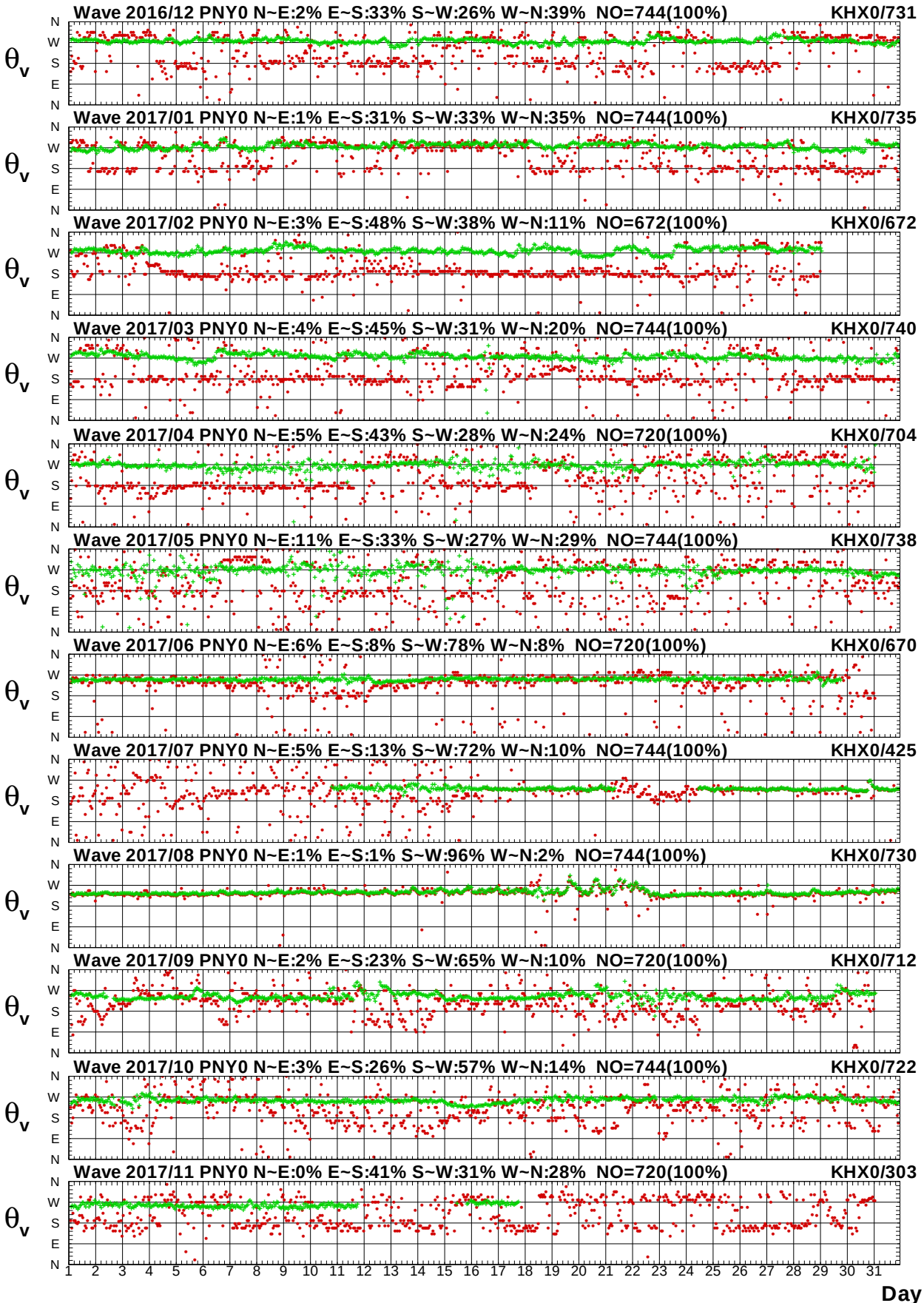

圖2.8c　2017年每月屏東海域 Y 站與高雄海域 X 站波向圖

V16CPNY0.1HA V16CKHX0.1H0 V171PNY0.1HA V171KHX0.1H0 V172PNY0.1HA V172KHX0.1H0
V173PNY0.1HA V173KHX0.1H0 V174PNY0.1HA V174KHX0.1H0 V175PNY0.1HA V175KHX0.1H0

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Wave H_s in Peng-Tung Seas of PNY0 at 2017

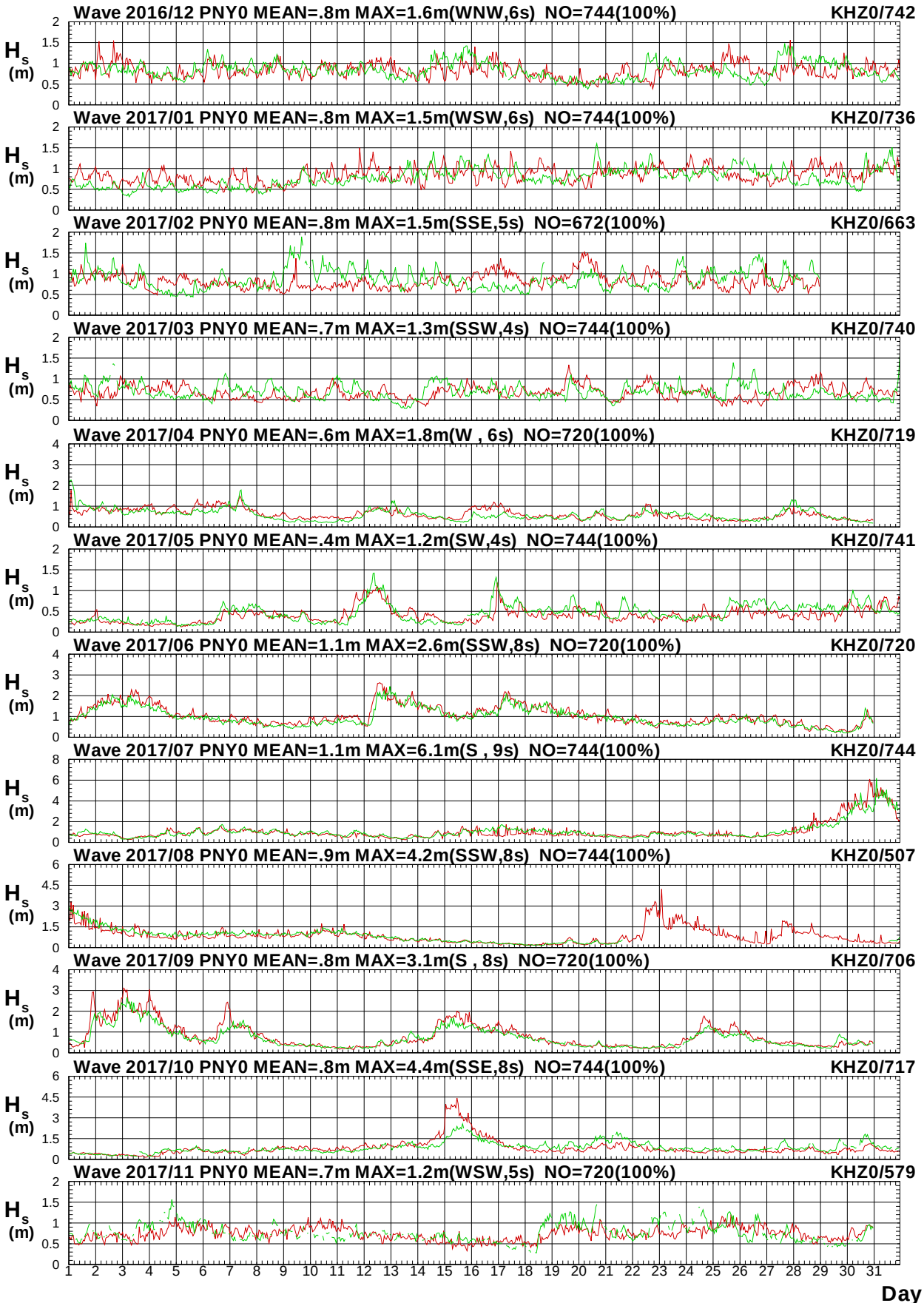

圖2.9a　2017年每月屏東海域 Y 站與高雄海域 Z 站波高圖

V16CPNY0.1HA V16CKHZ0.1H0 V171PNY0.1HA V171KHZ0.1H0 V172PNY0.1HA V172KHZ0.1H0
V173PNY0.1HA V173KHZ0.1H0 V174PNY0.1HA V174KHZ0.1H0 V175PNY0.1HA V175KHZ0.1H0

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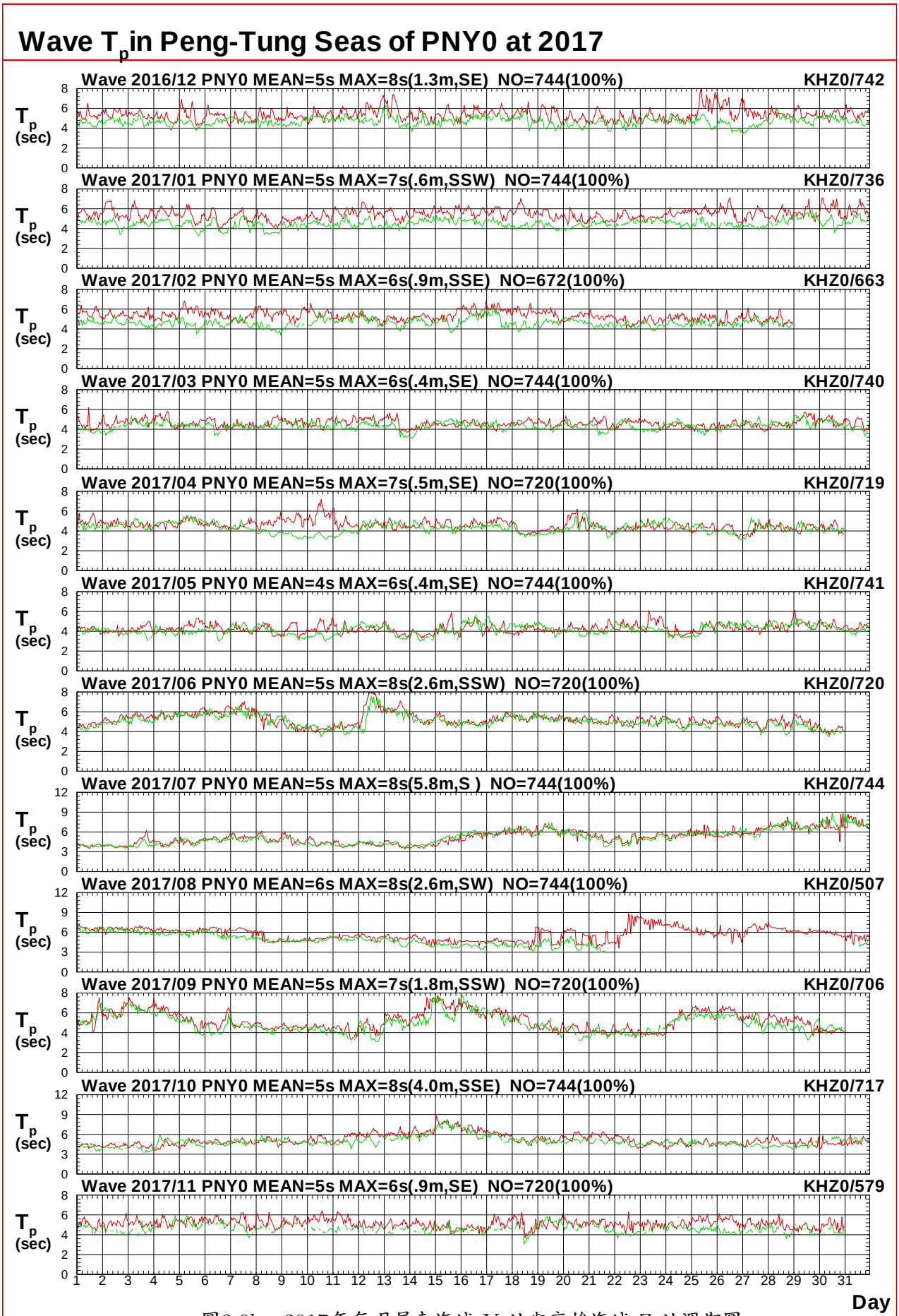

圖2.9b　2017年每月屏東海域 Y 站與高雄海域 Z 站週期圖

V16CPNY0.1HA V16CKHZ0.1H0 V171PNY0.1HA V171KHZ0.1H0 V172PNY0.1HA V172KHZ0.1H0
V173PNY0.1HA V173KHZ0.1H0 V174PNY0.1HA V174KHZ0.1H0 V175PNY0.1HA V175KHZ0.1H0

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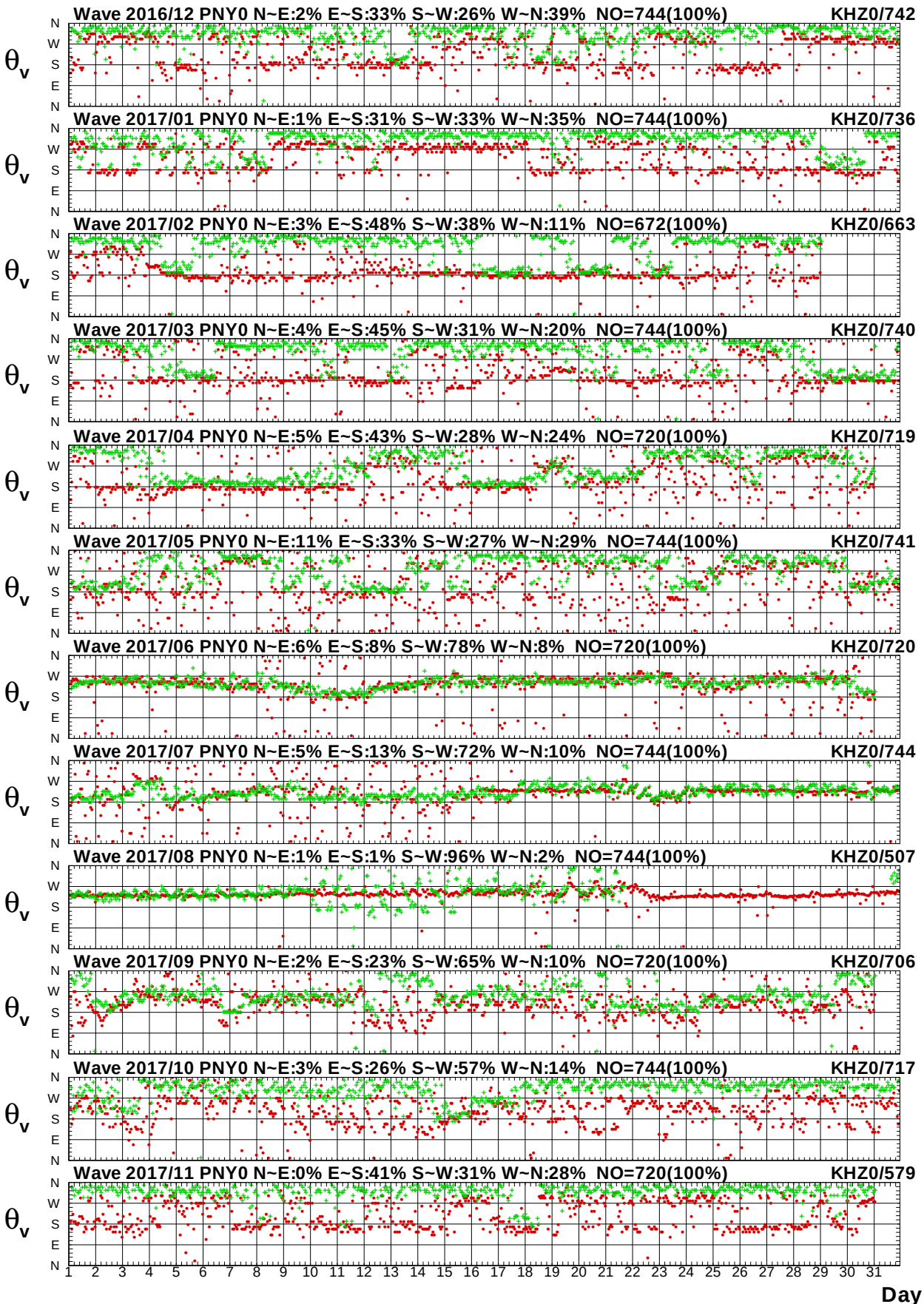

圖2.9c　2017年每月屏東海域 Y 站與高雄海域 Z 站波向圖

V16CPNY0.1HA V16CKHZ0.1H0 V171PNY0.1HA V171KHZ0.1H0 V172PNY0.1HA V172KHZ0.1H0
V173PNY0.1HA V173KHZ0.1H0 V174PNY0.1HA V174KHZ0.1H0 V175PNY0.1HA V175KHZ0.1H0

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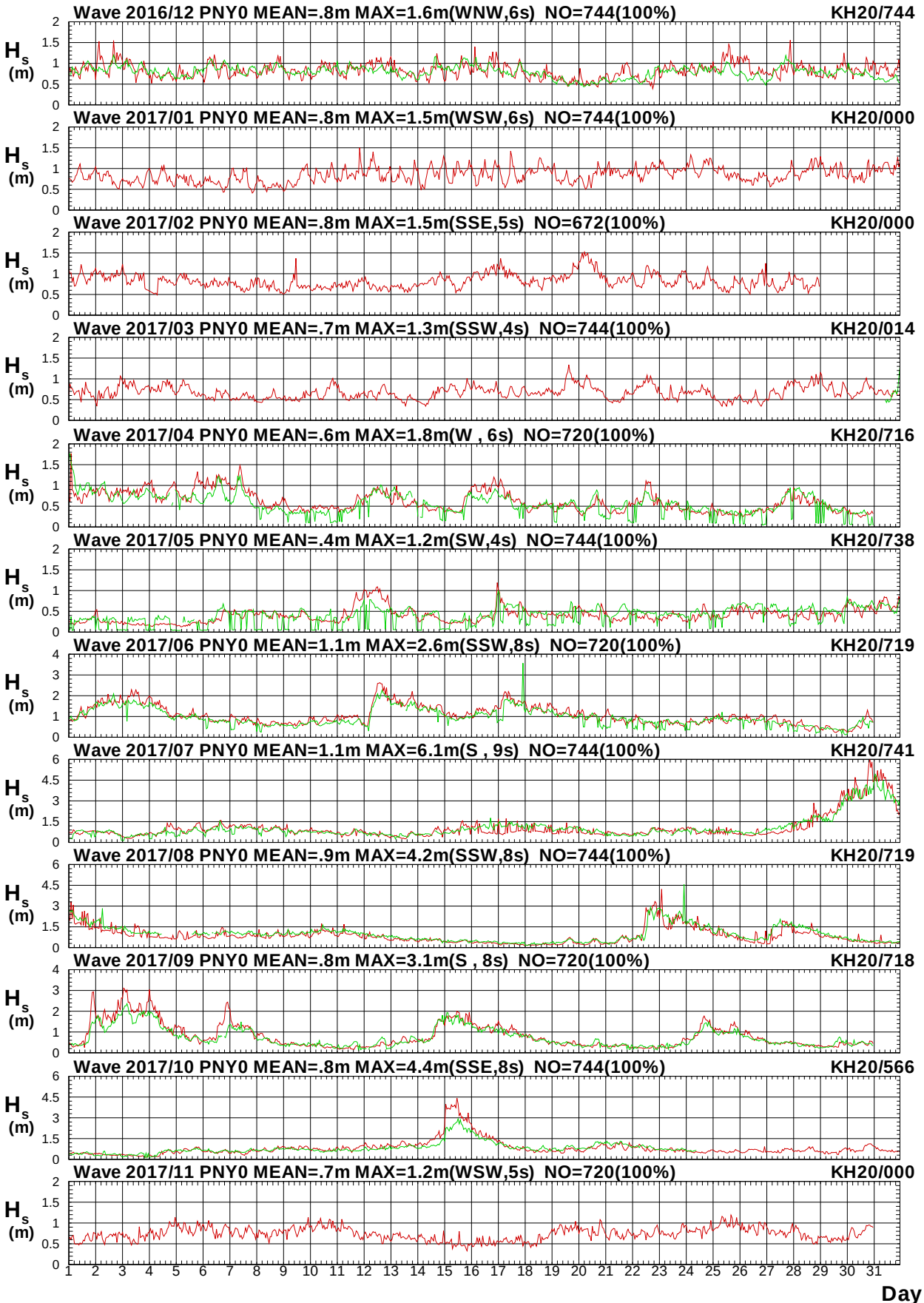

圖2.10a　2017年每月屏東海域 Y 站與高雄海域2站波高圖

V16CPNY0.1HA V16CKH20.1H0 V171PNY0.1HA V171KH20.1H0 V172PNY0.1HA V172KH20.1H0
V173PNY0.1HA V173KH20.1H0 V174PNY0.1HA V174KH20.1H0 V175PNY0.1HA V175KH20.1H0

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Wave T_p in Peng-Tung Seas of PNY0 at 2017

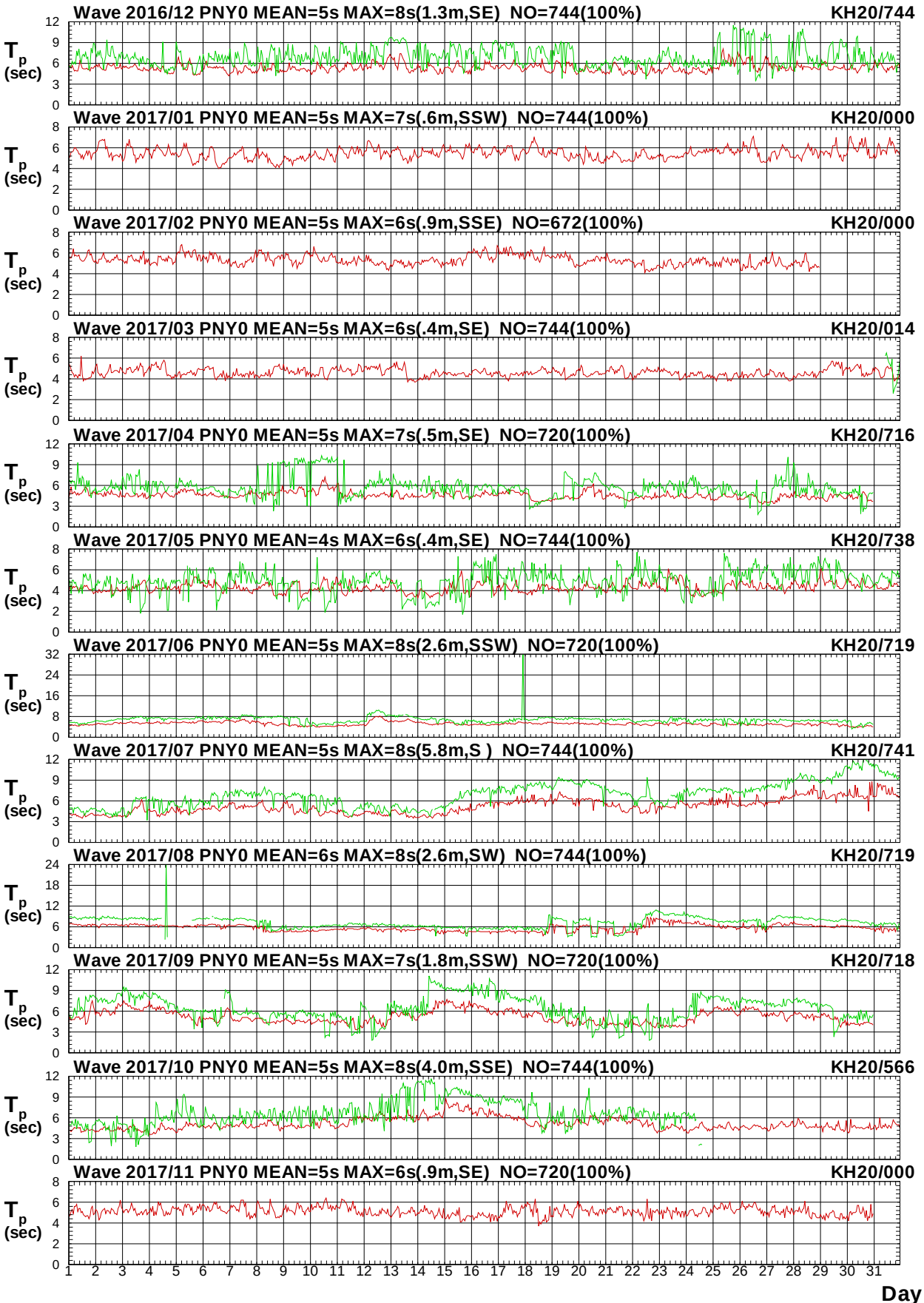

圖2.10b　2017年每月屏東海域 Y 站與高雄海域2站週期圖

V16CPNY0.1HA V16CKH20.1H0 V171PNY0.1HA V171KH20.1H0 V172PNY0.1HA V172KH20.1H0
V173PNY0.1HA V173KH20.1H0 V174PNY0.1HA V174KH20.1H0 V175PNY0.1HA V175KH20.1H0

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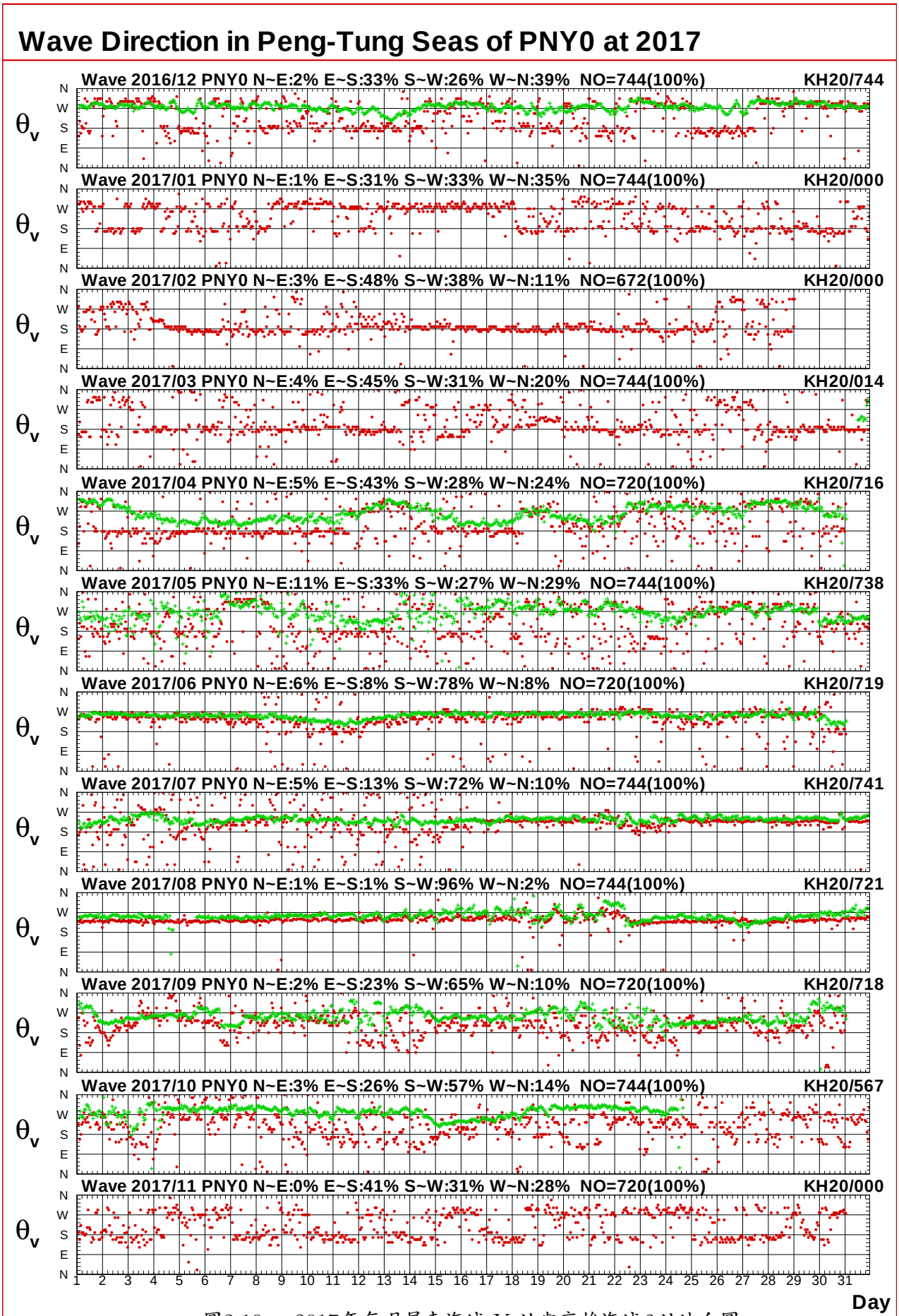

圖2.10c　2017年每月屏東海域 Y 站與高雄海域2站波向圖

V16CPNY0.1HA V16CKH20.1H0 V171PNY0.1HA V171KH20.1H0 V172PNY0.1HA V172KH20.1H0
V173PNY0.1HA V173KH20.1H0 V174PNY0.1HA V174KH20.1H0 V175PNY0.1HA V175KH20.1H0

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Wave H_s in Peng-Tung Seas of PNZ0 at 2017

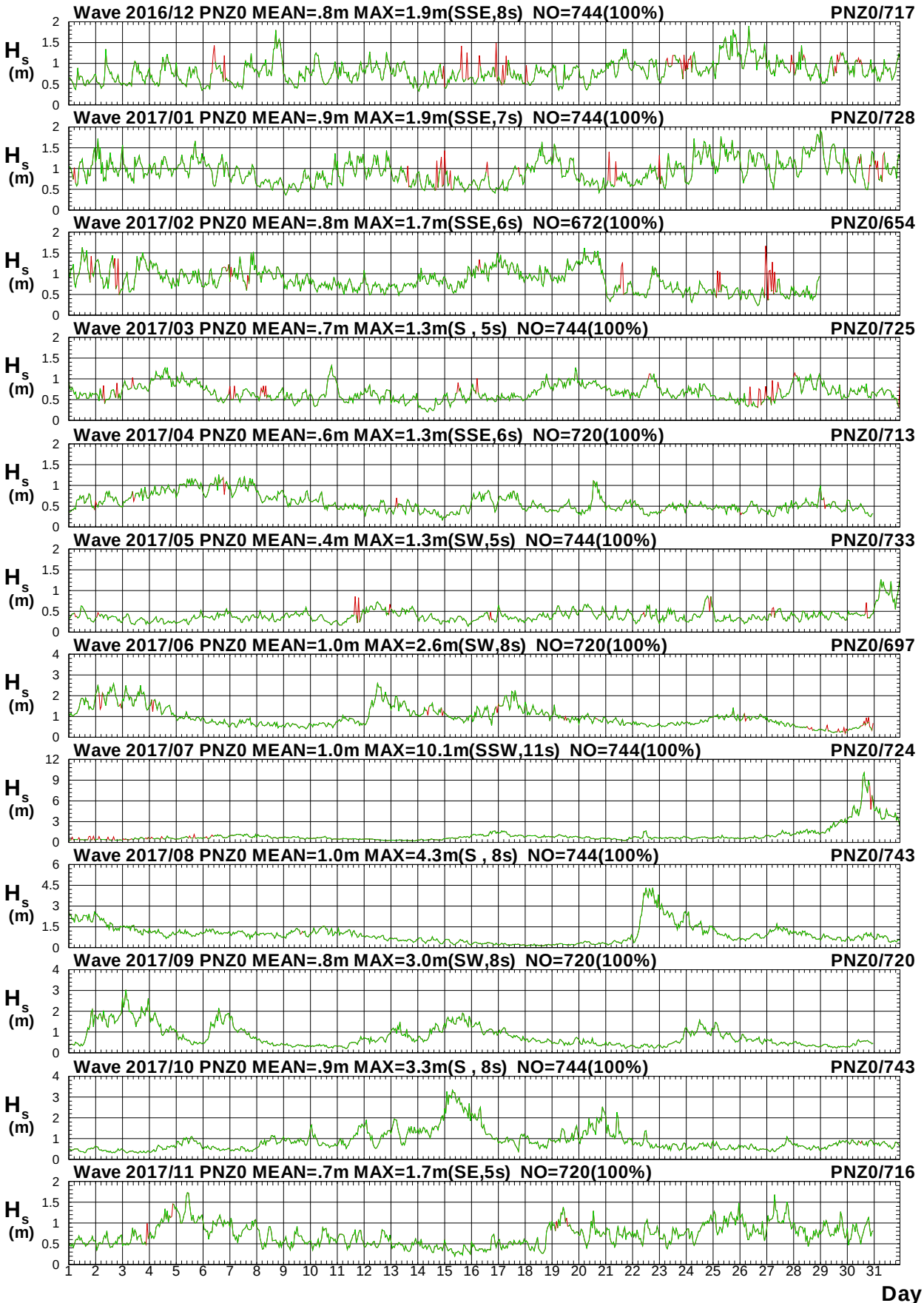

圖2.11a　2017年每月屏東海域 Z 站修補前後之波高比較圖

V16CPNZ0.1HA V16CPNZ0.1H0 V171PNZ0.1HA V171PNZ0.1H0 V172PNZ0.1HA V172PNZ0.1H0
V173PNZ0.1HA V173PNZ0.1H0 V174PNZ0.1HA V174PNZ0.1H0 V175PNZ0.1HA V175PNZ0.1H0

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Wave T_p in Peng-Tung Seas of PNZ0 at 2017

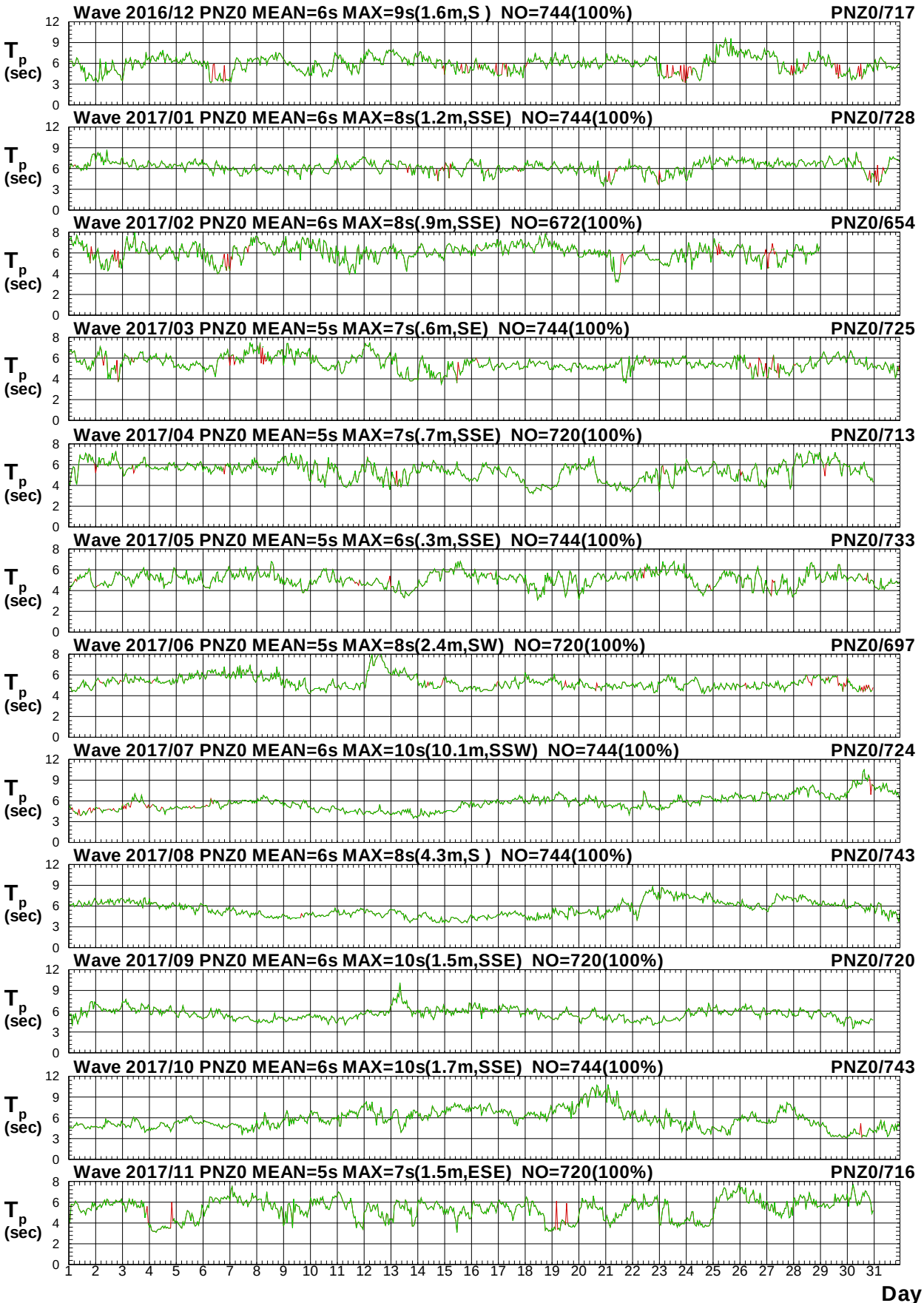

圖2.11b　2017年每月屏東海域 Z 站修補前後之週期比較圖

V16CPNZ0.1HA V16CPNZ0.1H0 V171PNZ0.1HA V171PNZ0.1H0 V172PNZ0.1HA V172PNZ0.1H0
V173PNZ0.1HA V173PNZ0.1H0 V174PNZ0.1HA V174PNZ0.1H0 V175PNZ0.1HA V175PNZ0.1H0

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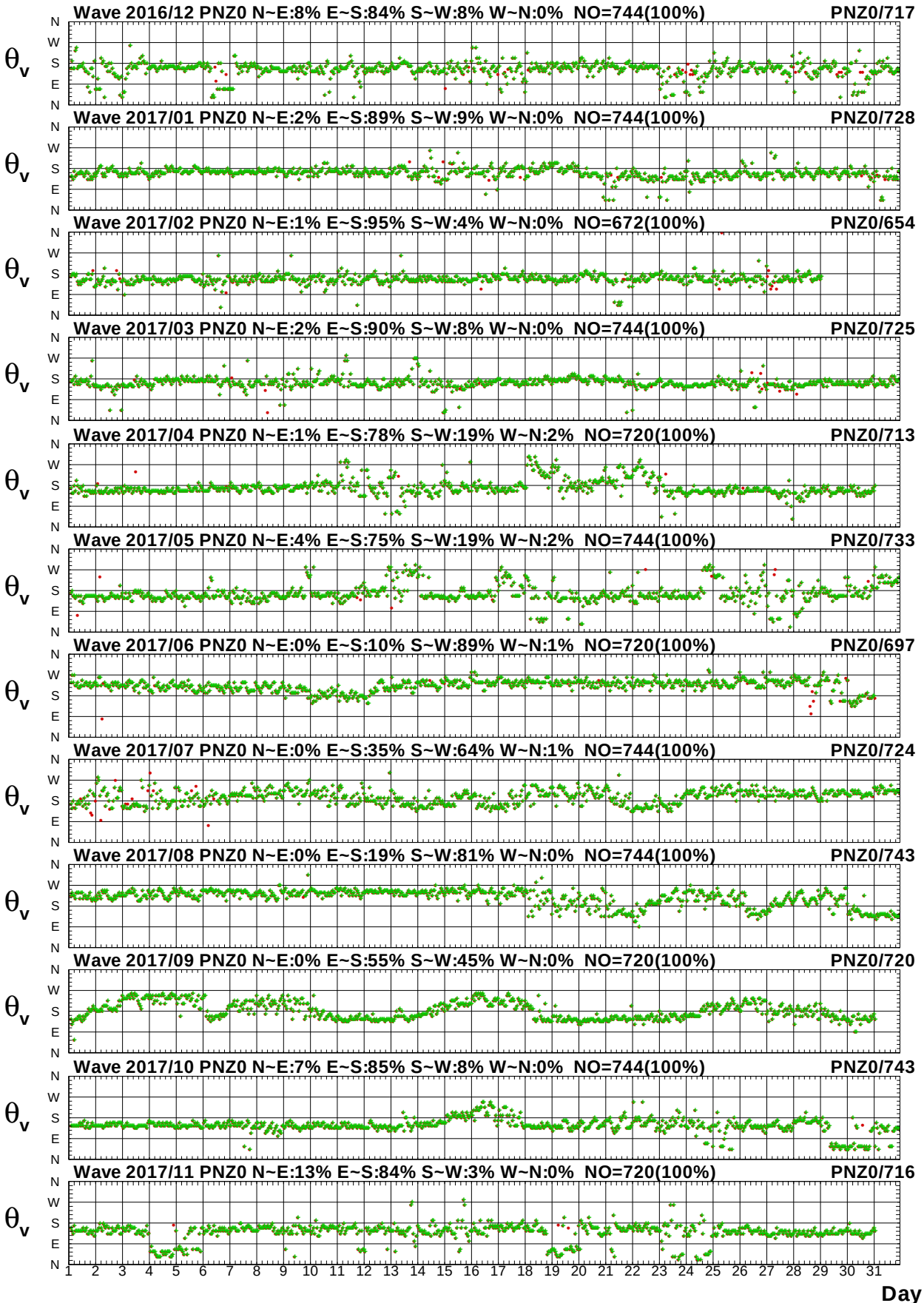

圖2.11c　2017年每月屏東海域 Z 站修補前後之波向比較圖

V16CPNZ0.1HA V16CPNZ0.1H0 V171PNZ0.1HA V171PNZ0.1H0 V172PNZ0.1HA V172PNZ0.1H0
V173PNZ0.1HA V173PNZ0.1H0 V174PNZ0.1HA V174PNZ0.1H0 V175PNZ0.1HA V175PNZ0.1H0

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Wave H_s in Peng-Tung Seas of PNZ0 at 2017

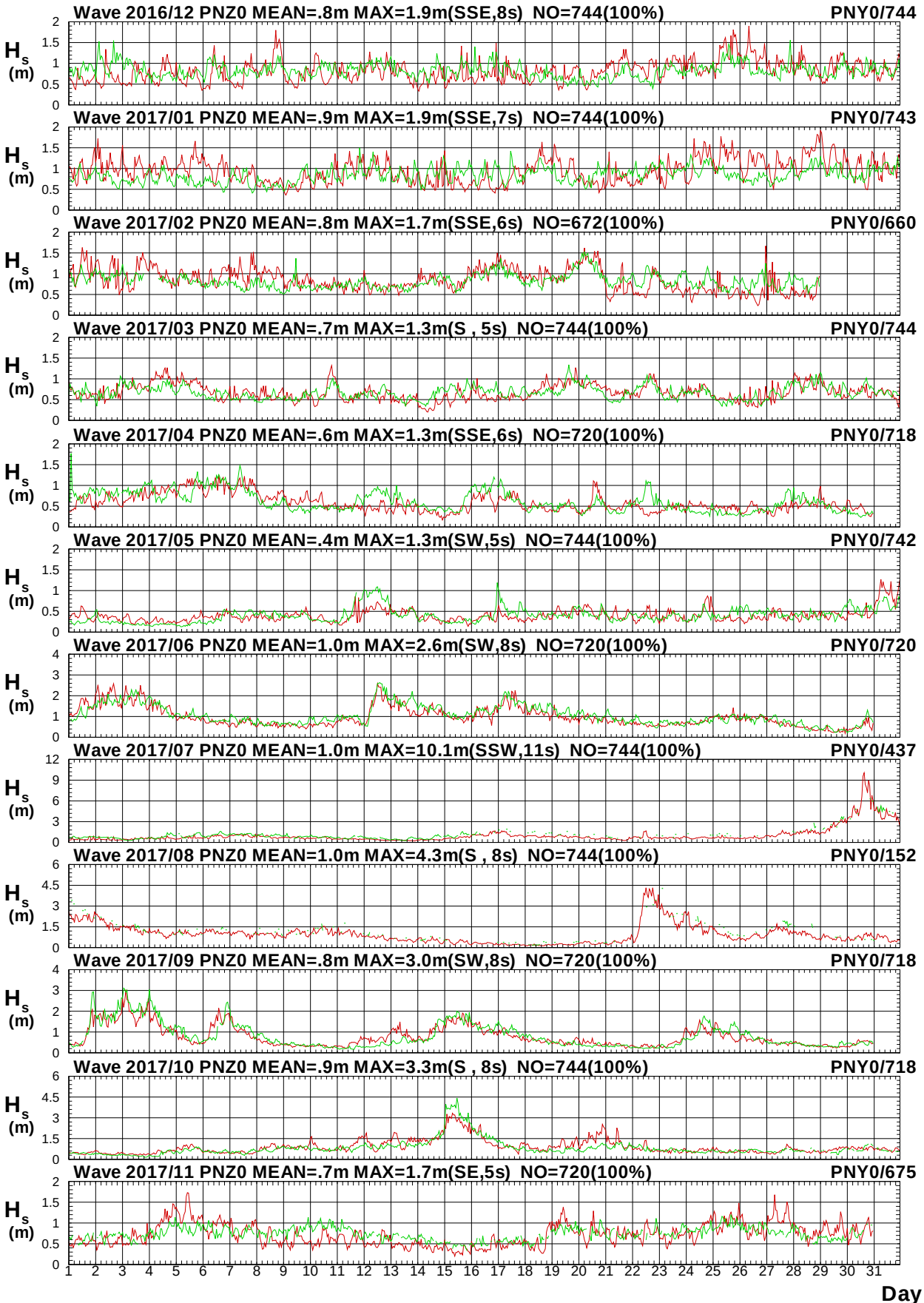

圖2.12a　2017年每月屏東海域 Z 站與 Y 站波高比較圖

V16CPNZ0.1HA V16CPNY0.1H0 V171PNZ0.1HA V171PNY0.1H0 V172PNZ0.1HA V172PNY0.1H0
V173PNZ0.1HA V173PNY0.1H0 V174PNZ0.1HA V174PNY0.1H0 V175PNZ0.1HA V175PNY0.1H0

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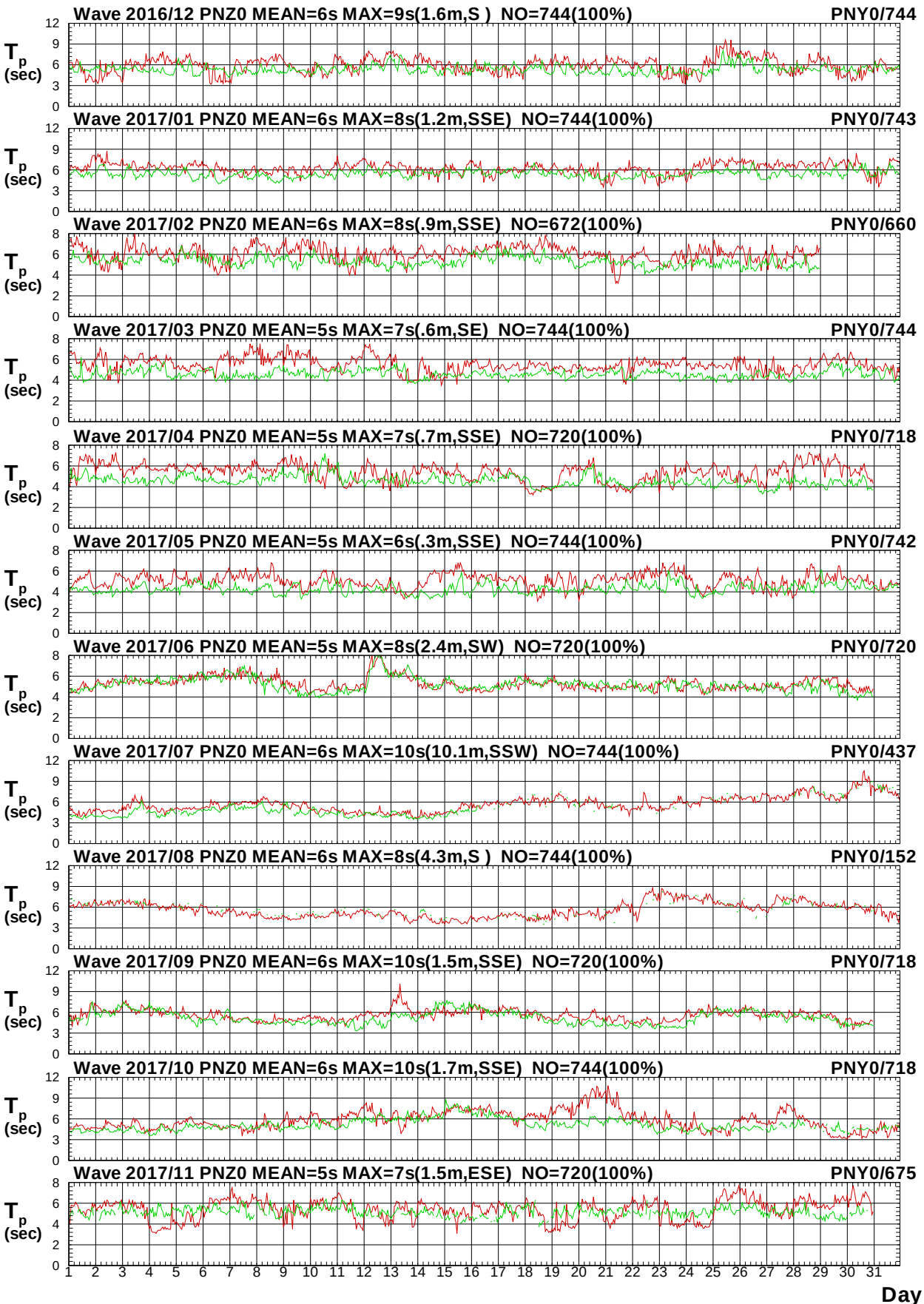

圖2.12b　2017年每月屏東海域 Z 站與 Y 站週期比較圖

V16CPNZ0.1HA V16CPNY0.1H0 V171PNZ0.1HA V171PNY0.1H0 V172PNZ0.1HA V172PNY0.1H0
V173PNZ0.1HA V173PNY0.1H0 V174PNZ0.1HA V174PNY0.1H0 V175PNZ0.1HA V175PNY0.1H0

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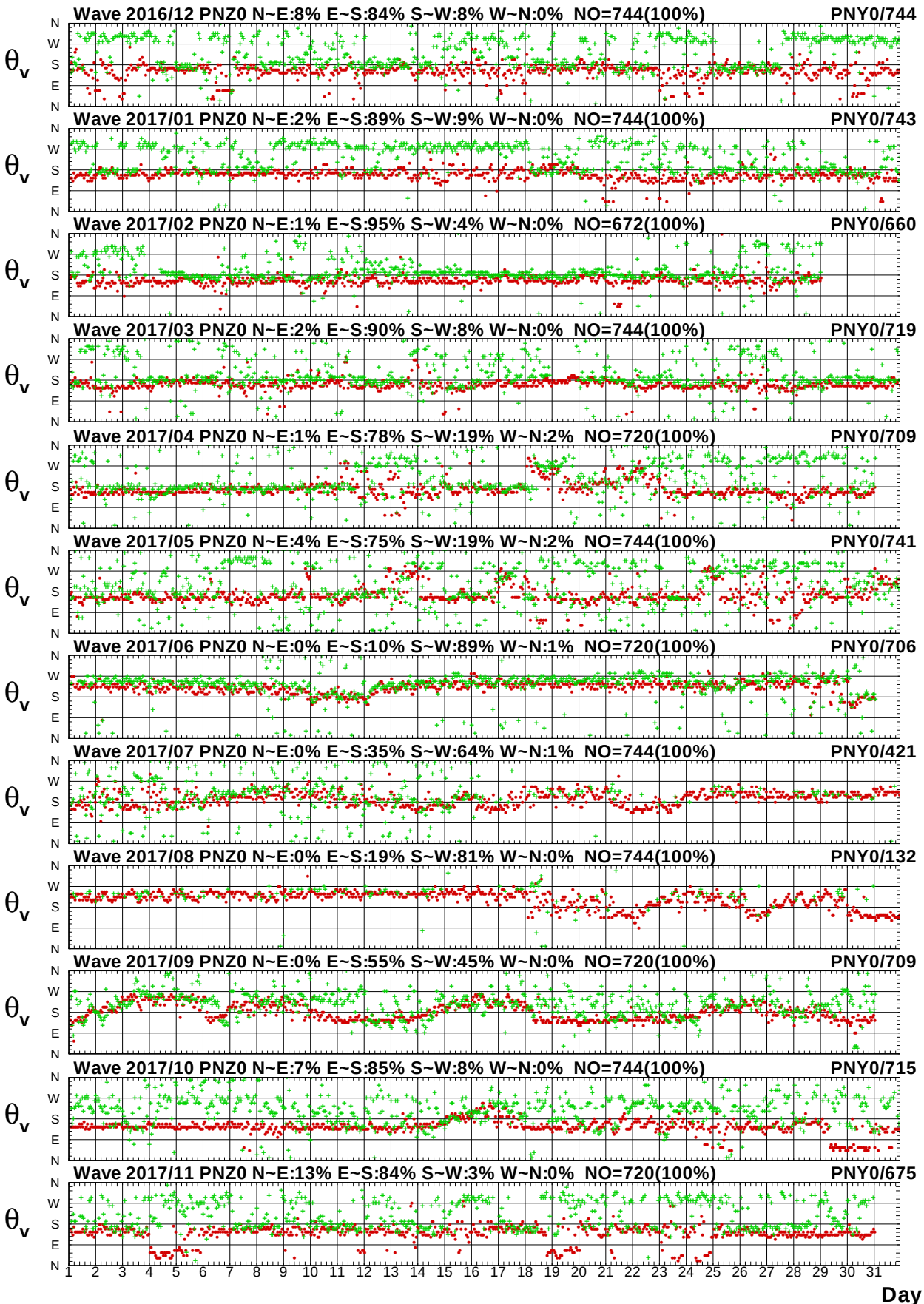

圖2.12c　2017年每月屏東海域 Z 站與 Y 站波向比較圖

Wave H_s in Peng-Tung Seas of PNZ0 at 2017

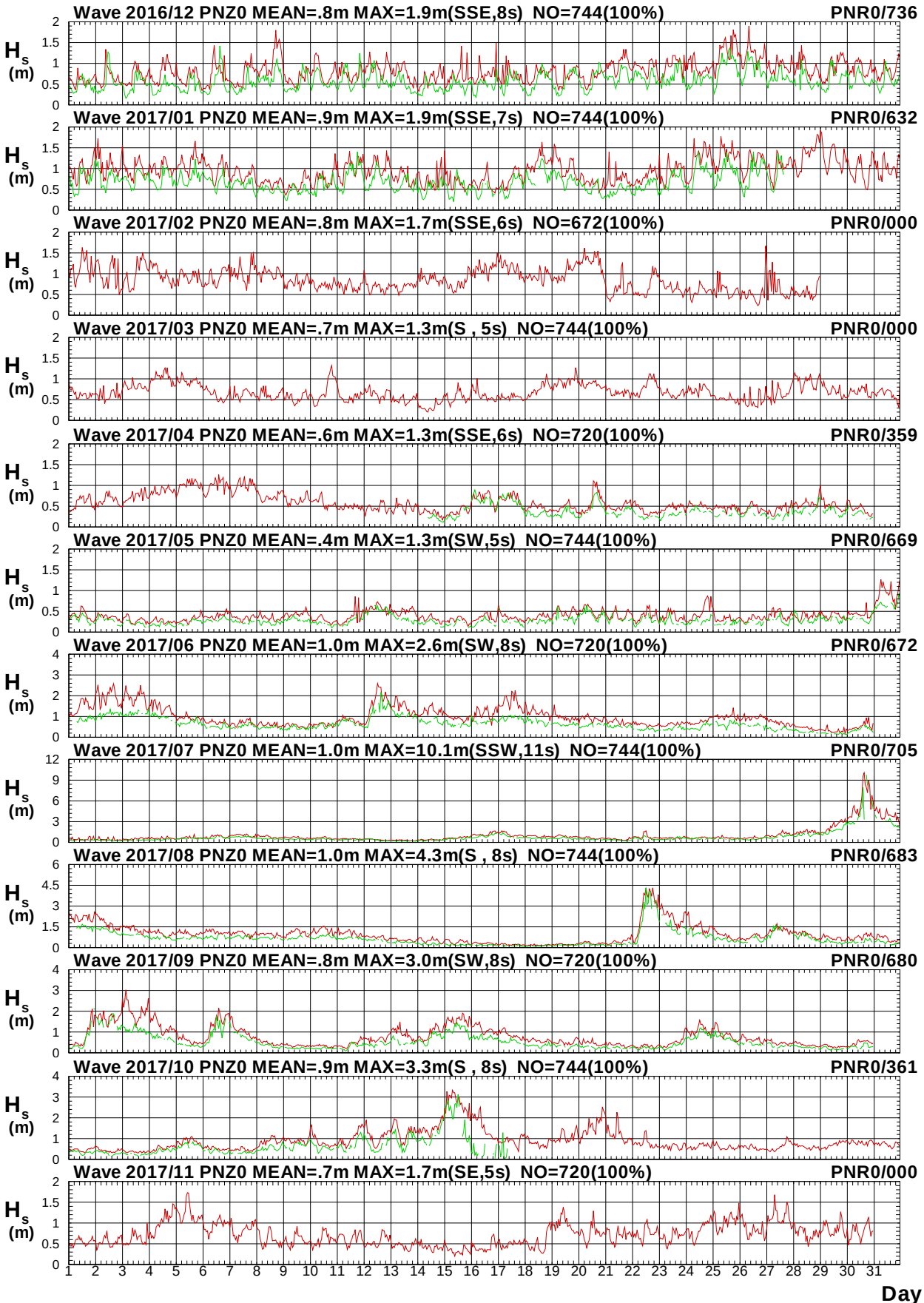

圖2.13a　2017年每月屏東海域 Z 站與 R 站波高比較圖

V16CPNZ0.1HA V16CPNR0.1H0 V171PNZ0.1HA V171PNR0.1H0 V172PNZ0.1HA V172PNR0.1H0
V173PNZ0.1HA V173PNR0.1H0 V174PNZ0.1HA V174PNR0.1H0 V175PNZ0.1HA V175PNR0.1H0

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Wave T_p in Peng-Tung Seas of PNZ0 at 2017

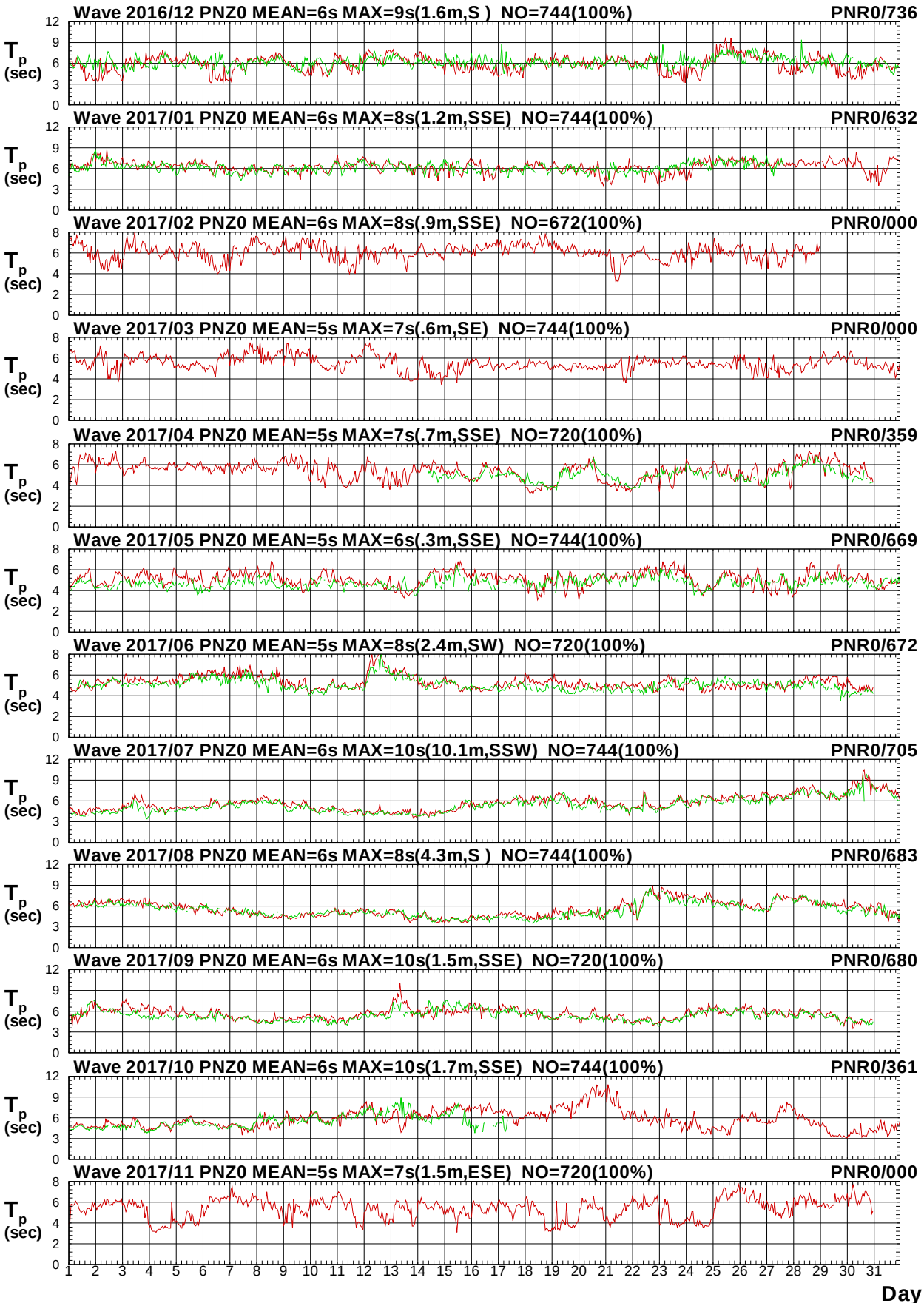

圖2.13b　2017年每月屏東海域 Z 站與 R 站週期比較圖

V16CPNZ0.1HA V16CPNR0.1H0 V171PNZ0.1HA V171PNR0.1H0 V172PNZ0.1HA V172PNR0.1H0
V173PNZ0.1HA V173PNR0.1H0 V174PNZ0.1HA V174PNR0.1H0 V175PNZ0.1HA V175PNR0.1H0

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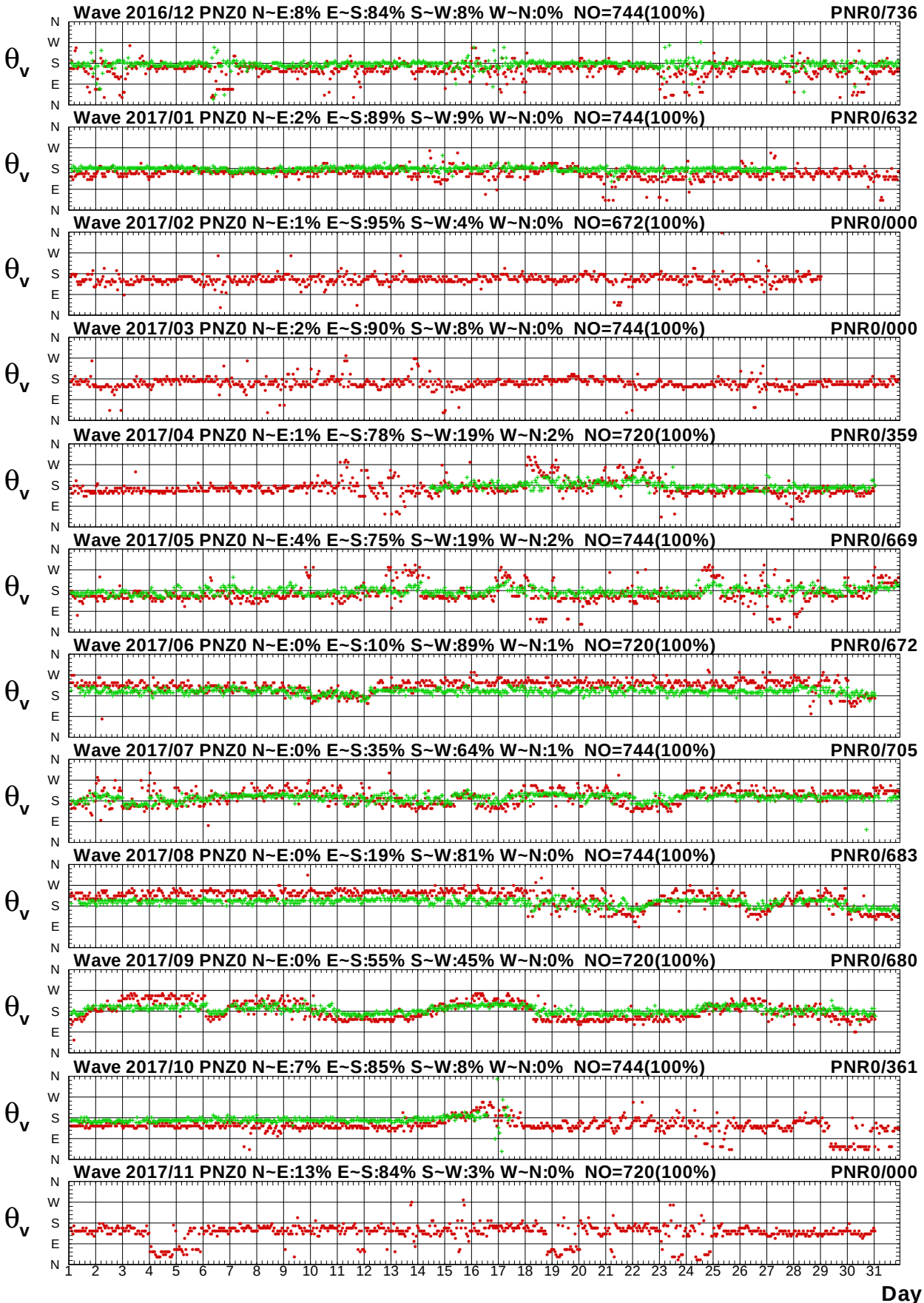

圖2.13c　2017年每月屏東海域 Z 站與 R 站波向比較圖

V16CPNZ0.1HA V16CPNR0.1H0 V171PNZ0.1HA V171PNR0.1H0 V172PNZ0.1HA V172PNR0.1H0
V173PNZ0.1HA V173PNR0.1H0 V174PNZ0.1HA V174PNR0.1H0 V175PNZ0.1HA V175PNR0.1H0

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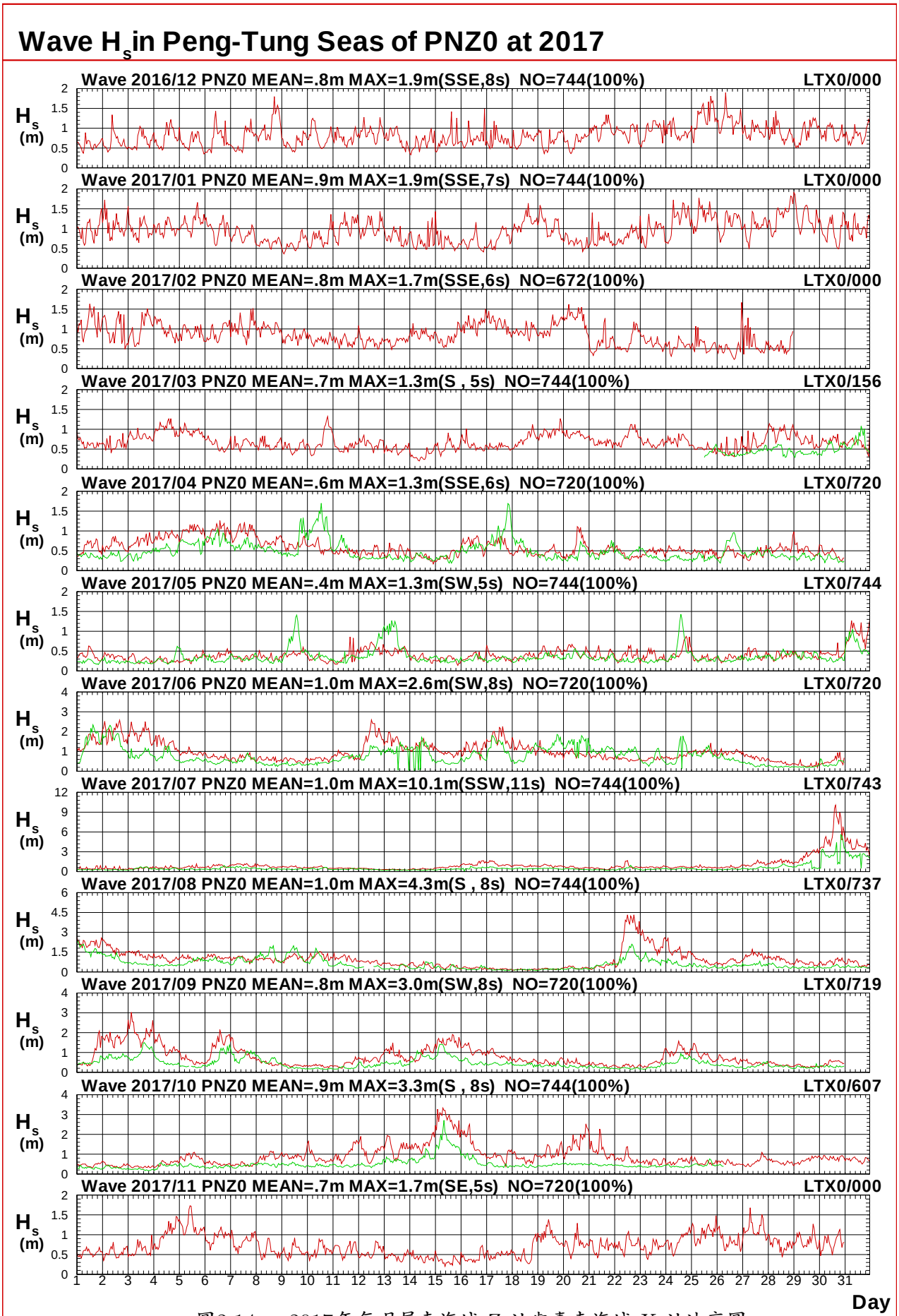

圖2.14a　2017年每月屏東海域 Z 站與臺東海域 X 站波高圖

V16CPNZ0.1HA V16CLTX0.1H0 V171PNZ0.1HA V171LTX0.1H0 V172PNZ0.1HA V172LTX0.1H0
V173PNZ0.1HA V173LTX0.1H0 V174PNZ0.1HA V174LTX0.1H0 V175PNZ0.1HA V175LTX0.1H0

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Wave T_p in Peng-Tung Seas of PNZ0 at 2017

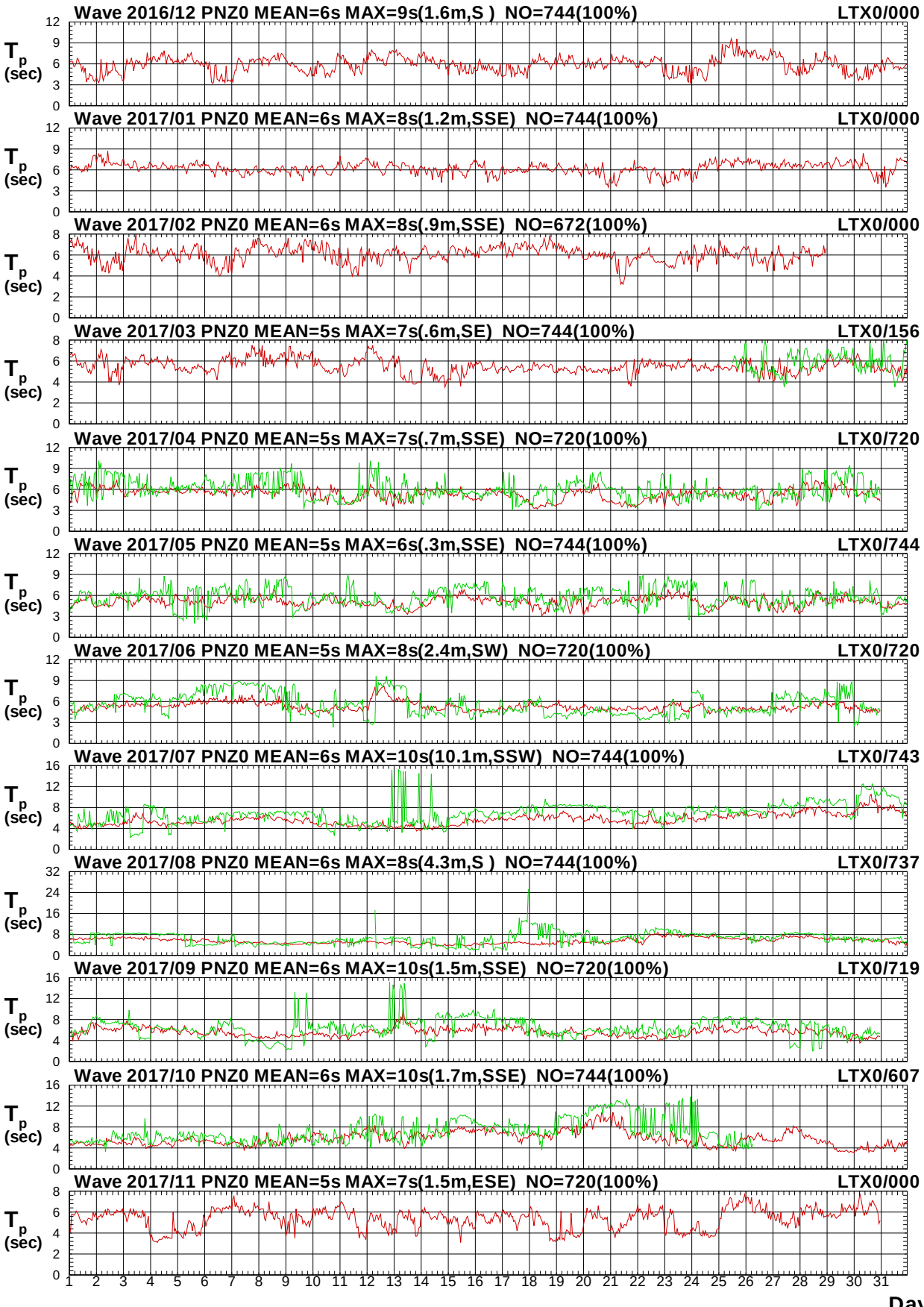

圖2.14b　2017年每月屏東海域 Z 站與臺東海域 X 站週期圖

V16CPNZ0.1HA V16CLTX0.1H0 V171PNZ0.1HA V171LTX0.1H0 V172PNZ0.1HA V172LTX0.1H0
V173PNZ0.1HA V173LTX0.1H0 V174PNZ0.1HA V174LTX0.1H0 V175PNZ0.1HA V175LTX0.1H0

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Wave Direction in Peng-Tung Seas of PNZ0 at 2017

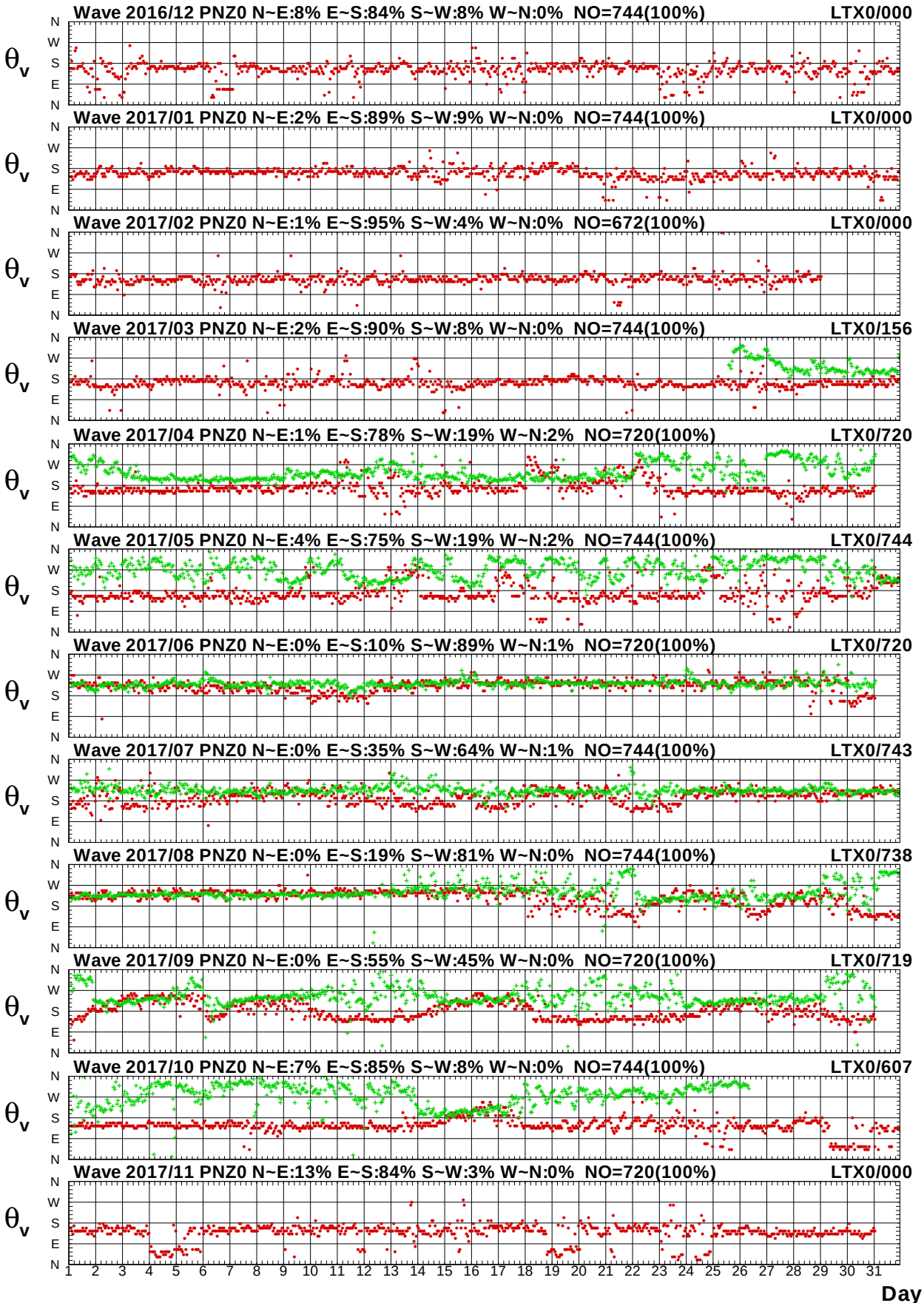

圖2.14c　2017年每月屏東海域 Z 站與臺東海域 X 站波向圖

Wave H_s in Peng-Tung Seas of PNZ0 at 2017

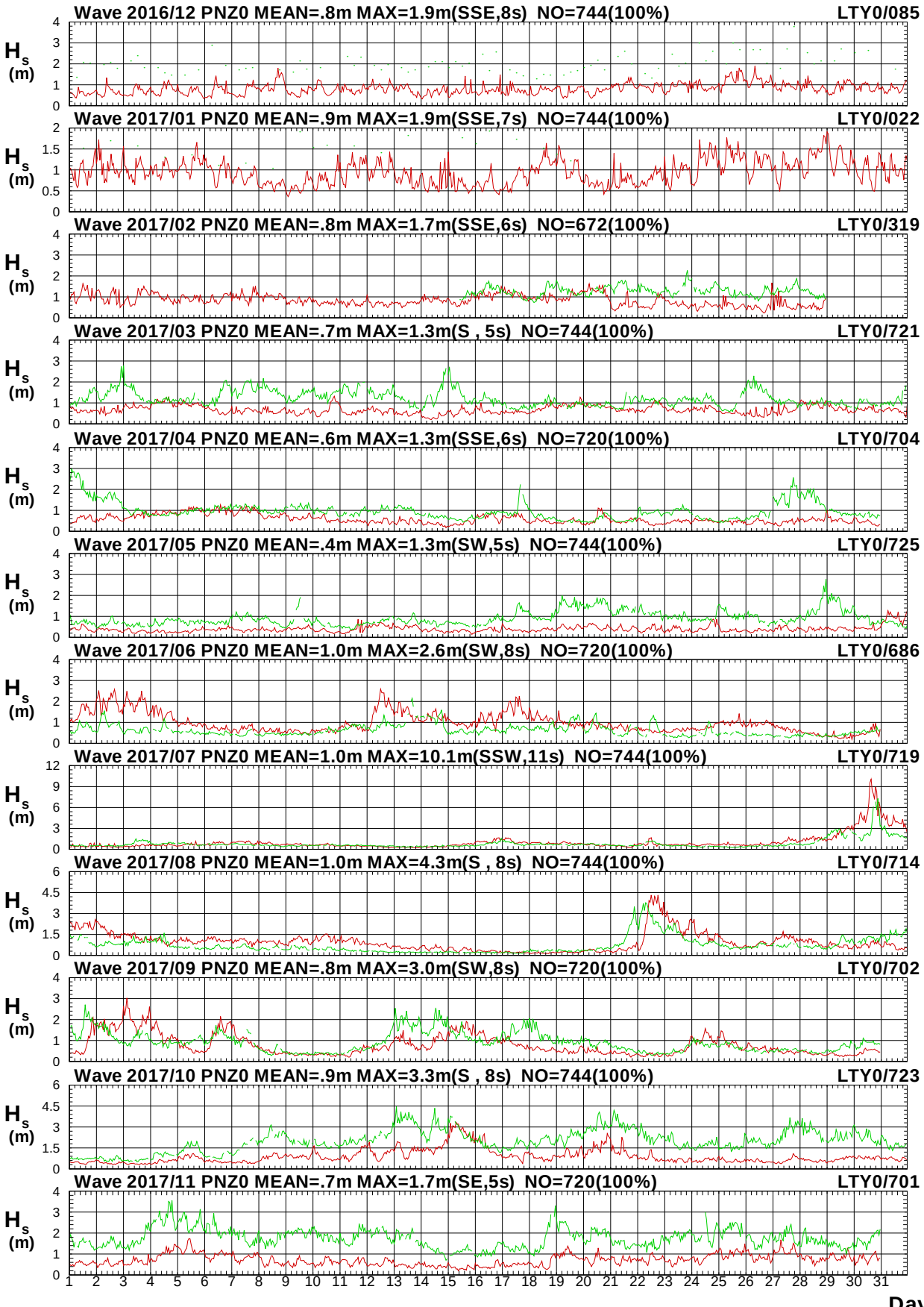

圖2.15a　2017年每月屏東海域 Z 站與臺東海域 Y 站波高圖

V16CPNZ0.1HA V16CLTY0.1H0 V171PNZ0.1HA V171LTY0.1H0 V172PNZ0.1HA V172LTY0.1H0
V173PNZ0.1HA V173LTY0.1H0 V174PNZ0.1HA V174LTY0.1H0 V175PNZ0.1HA V175LTY0.1H0

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Wave T_p in Peng-Tung Seas of PNZ0 at 2017

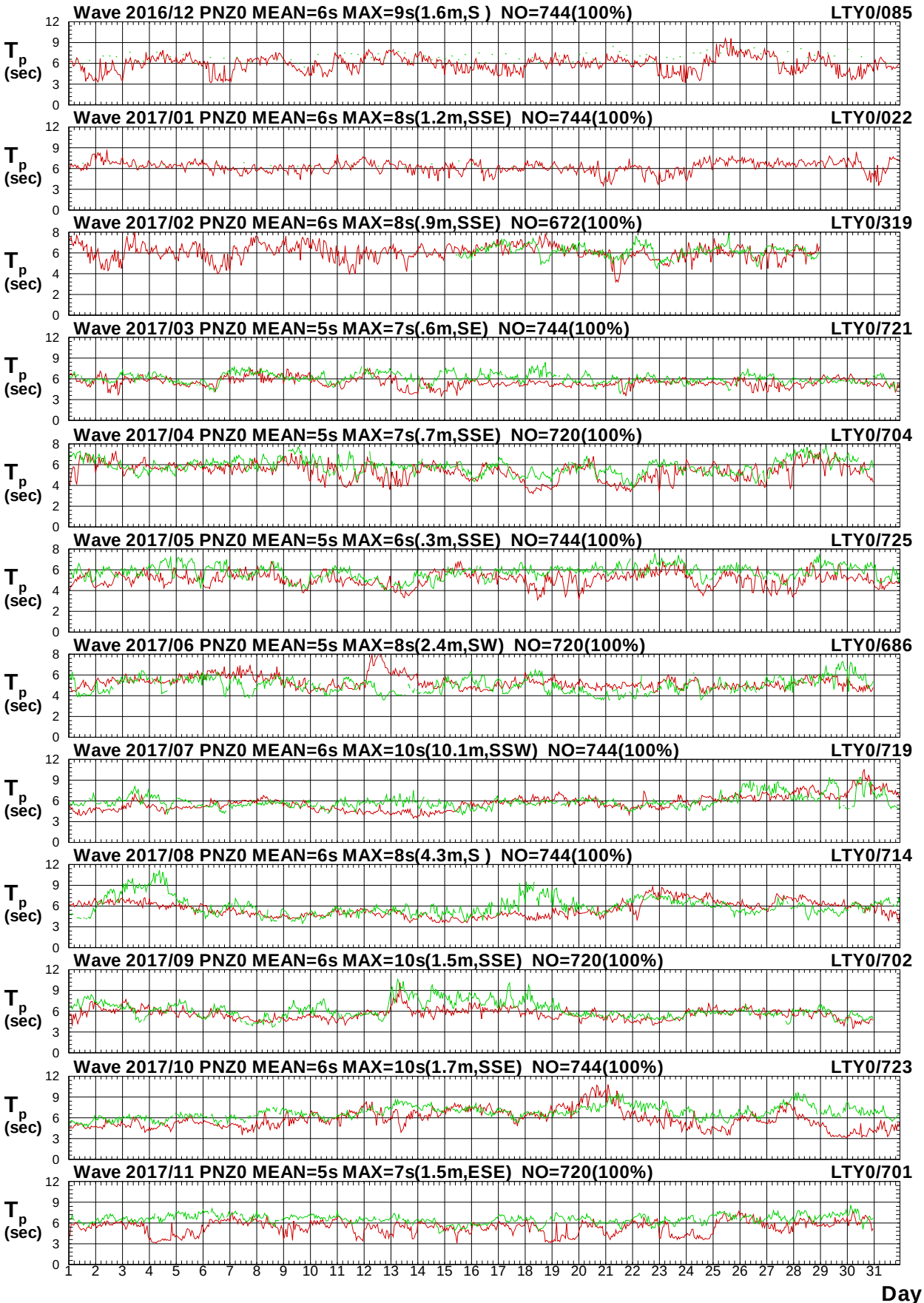

圖2.15b　2017年每月屏東海域 Z 站與臺東海域 Y 站週期圖

V16CPNZ0.1HA V16CLTY0.1H0 V171PNZ0.1HA V171LTY0.1H0 V172PNZ0.1HA V172LTY0.1H0
V173PNZ0.1HA V173LTY0.1H0 V174PNZ0.1HA V174LTY0.1H0 V175PNZ0.1HA V175LTY0.1H0

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Wave Direction in Peng-Tung Seas of PNZ0 at 2017

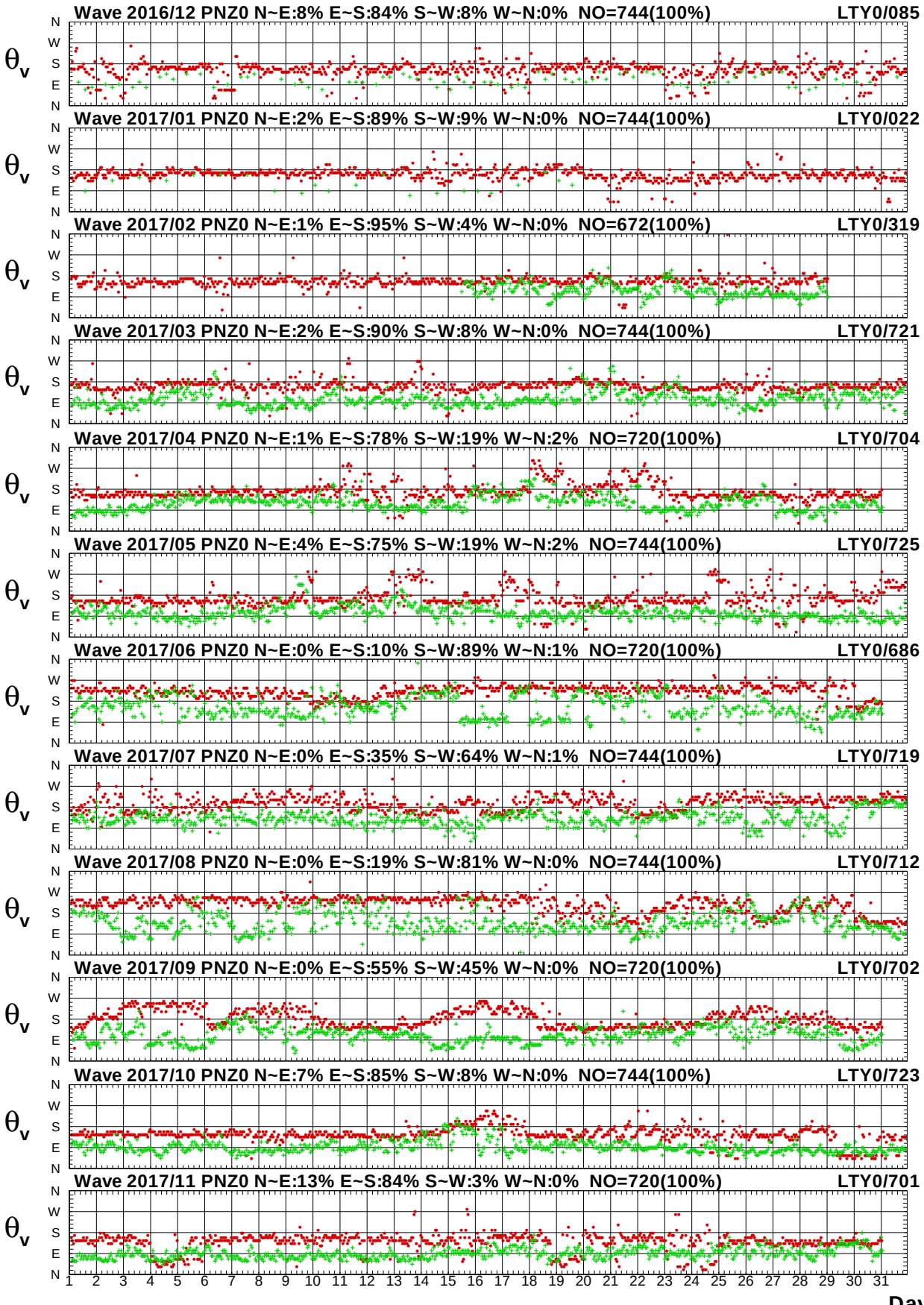

圖2.15c　2017年每月屏東海域 Z 站與臺東海域 Y 站波向圖

V16CPNZ0.1HA V16CLTY0.1H0 V171PNZ0.1HA V171LTY0.1H0 V172PNZ0.1HA V172LTY0.1H0
V173PNZ0.1HA V173LTY0.1H0 V174PNZ0.1HA V174LTY0.1H0 V175PNZ0.1HA V175LTY0.1H0

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Wave H_s in Peng-Tung Seas of PNZ0 at 2017

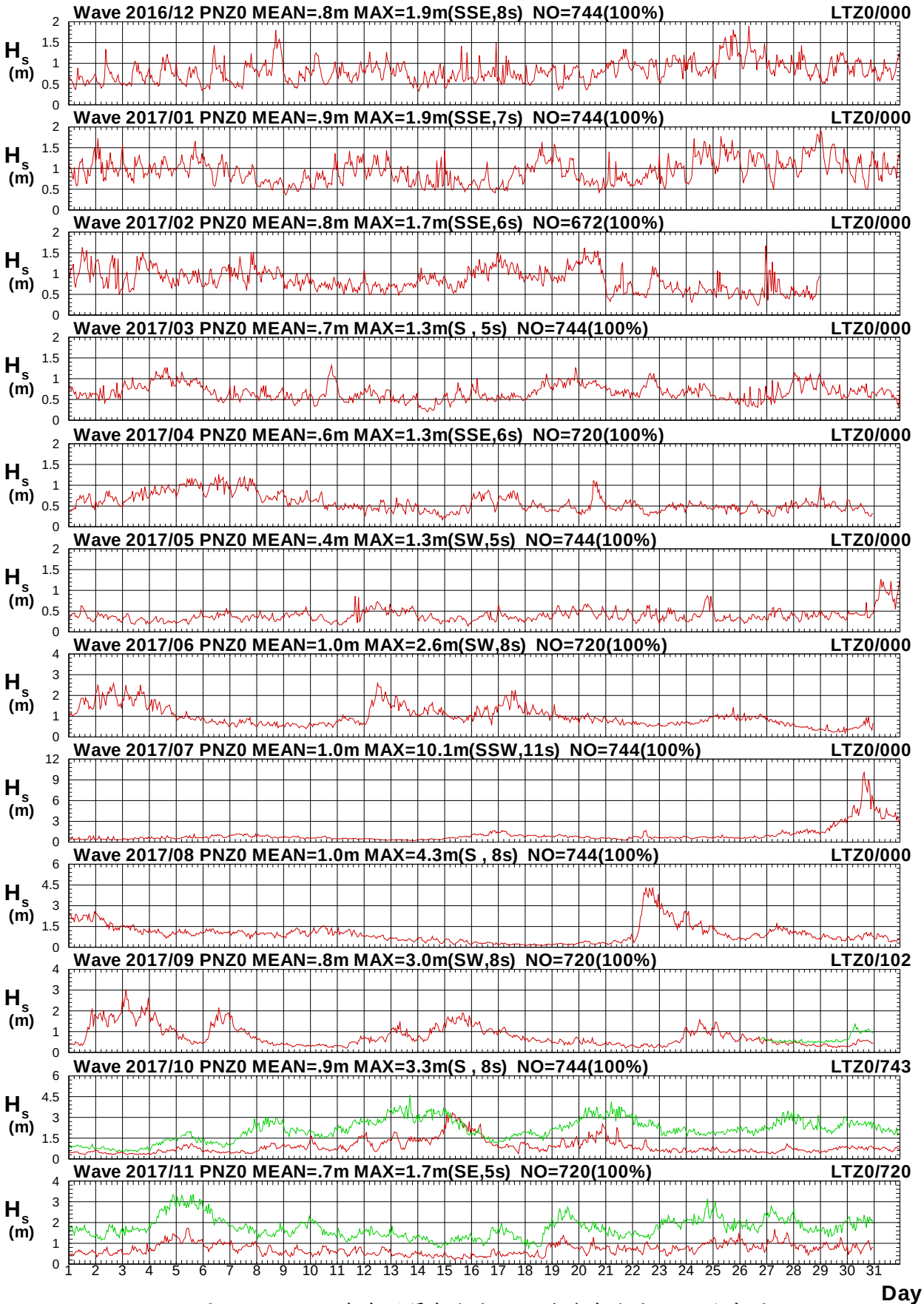

圖2.16a　2017年每月屏東海域 Z 站與臺東海域 Z 站波高圖

V16CPNZ0.1HA V16CLTZ0.1H0 V171PNZ0.1HA V171LTZ0.1H0 V172PNZ0.1HA V172LTZ0.1H0
V173PNZ0.1HA V173LTZ0.1H0 V174PNZ0.1HA V174LTZ0.1H0 V175PNZ0.1HA V175LTZ0.1H0

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Wave T_p in Peng-Tung Seas of PNZ0 at 2017

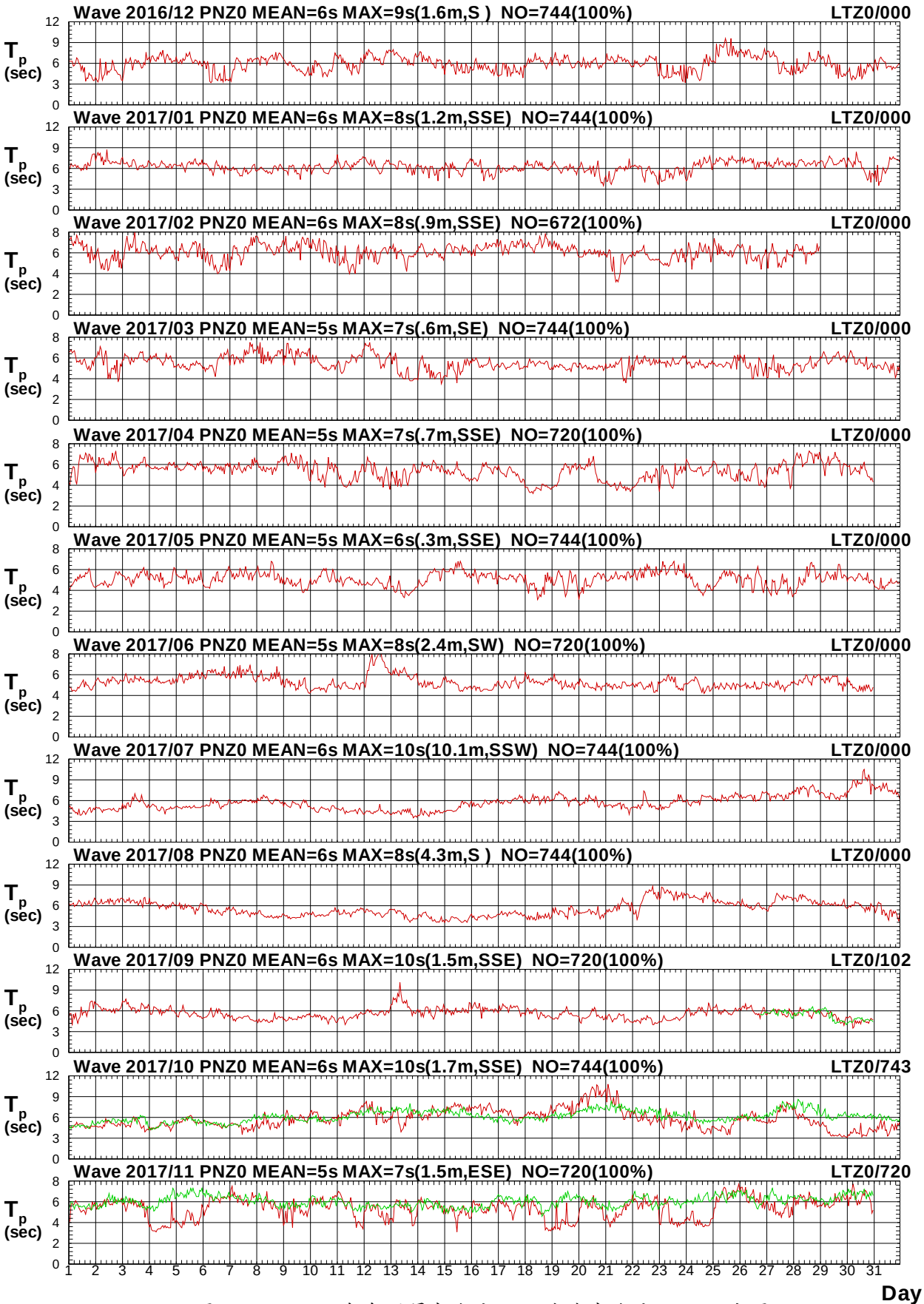

圖2.16b　2017年每月屏東海域 Z 站與臺東海域 Z 站週期圖

V16CPNZ0.1HA V16CLTZ0.1H0 V171PNZ0.1HA V171LTZ0.1H0 V172PNZ0.1HA V172LTZ0.1H0
V173PNZ0.1HA V173LTZ0.1H0 V174PNZ0.1HA V174LTZ0.1H0 V175PNZ0.1HA V175LTZ0.1H0

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Wave Direction in Peng-Tung Seas of PNZ0 at 2017

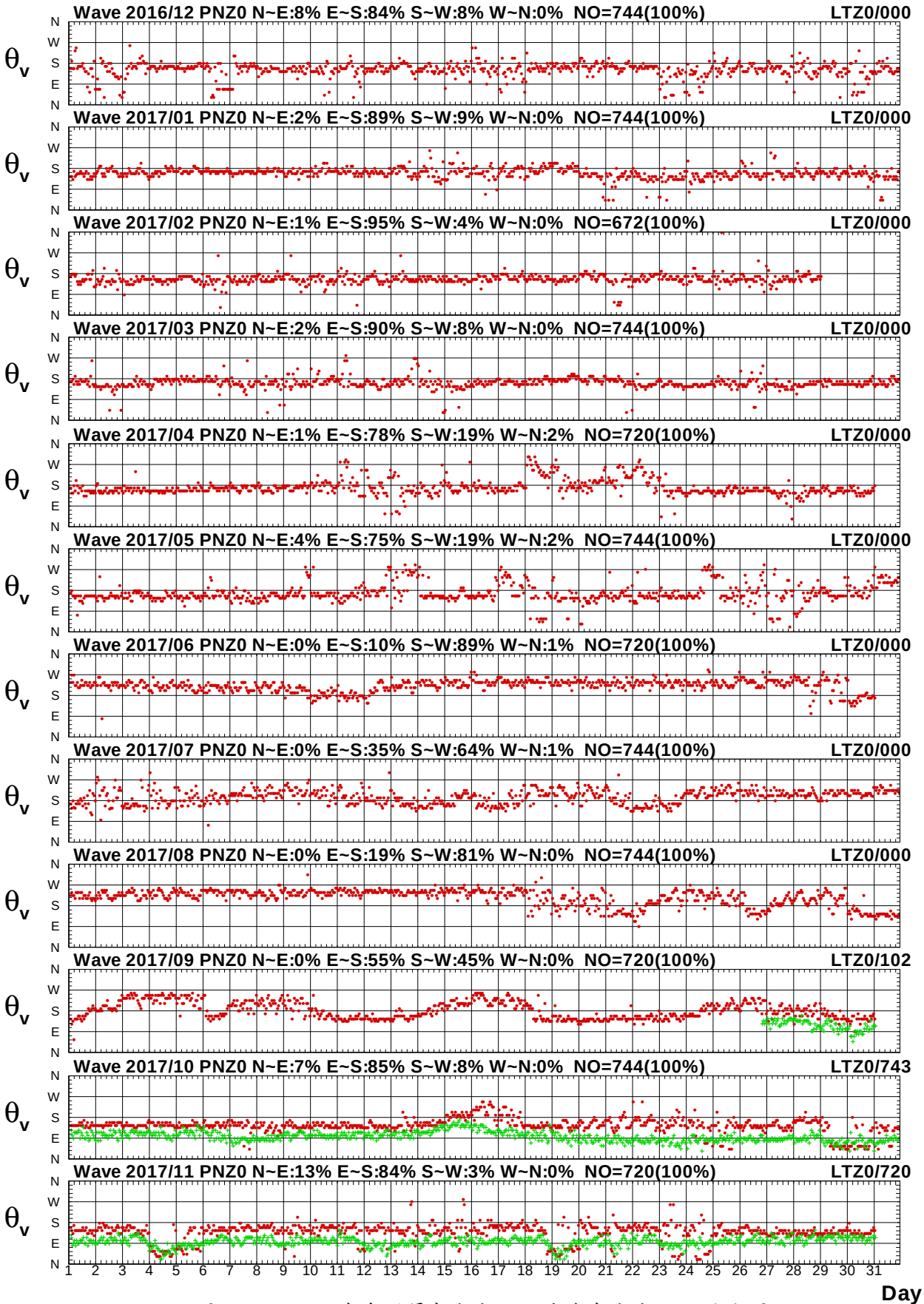

圖2.16c　2017年每月屏東海域 Z 站與臺東海域 Z 站波向圖

V16CPNZ0.1HA V16CLTZ0.1H0 V171PNZ0.1HA V171LTZ0.1H0 V172PNZ0.1HA V172LTZ0.1H0
V173PNZ0.1HA V173LTZ0.1H0 V174PNZ0.1HA V174LTZ0.1H0 V175PNZ0.1HA V175LTZ0.1H0

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Wave H_s in Peng-Tung Seas of PNZ0 at 2017

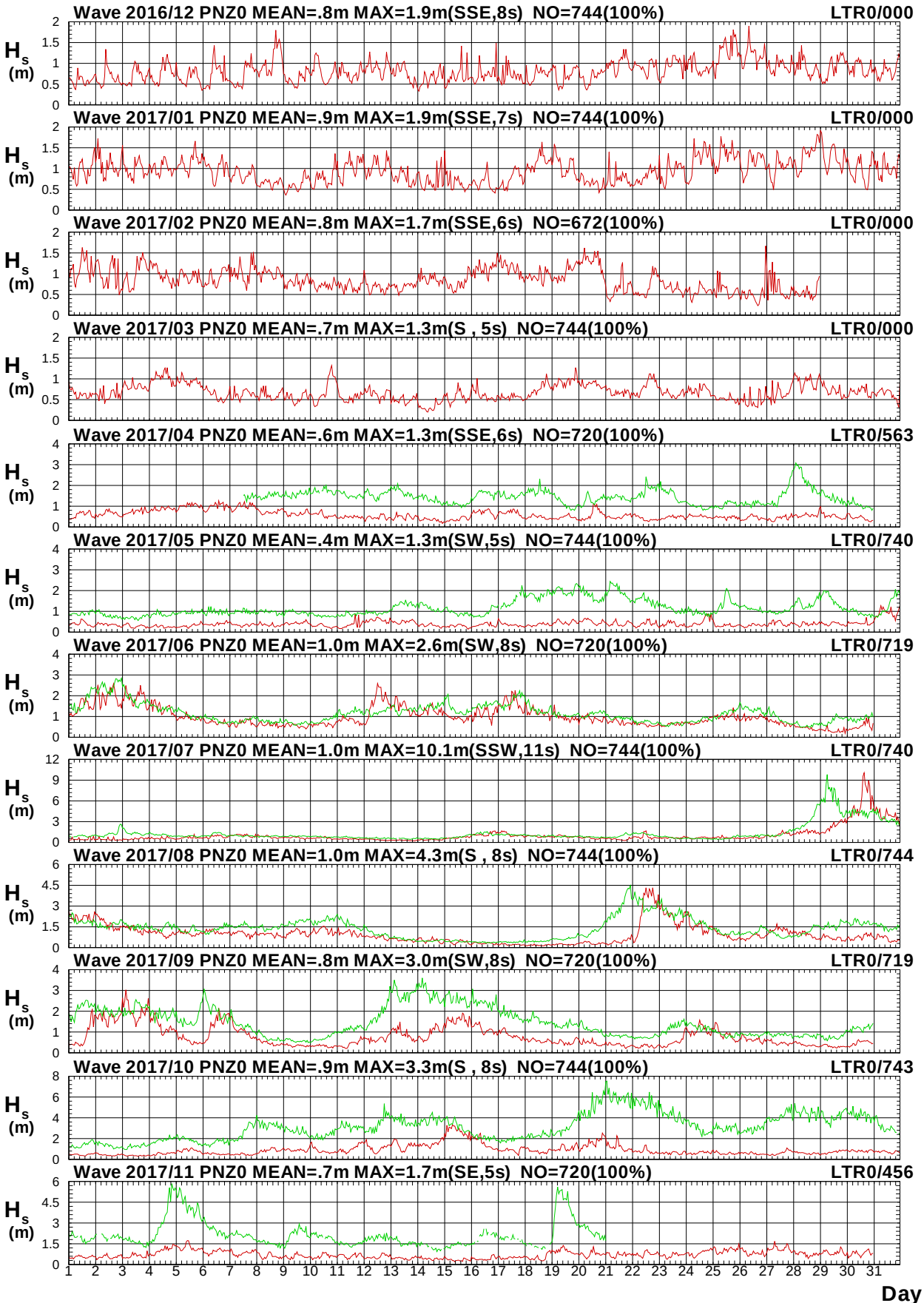

圖2.17a　2017年每月屏東海域 Z 站與臺東海域 R 站波高圖

V16CPNZ0.1HA V16CLTR0.1H0 V171PNZ0.1HA V171LTR0.1H0 V172PNZ0.1HA V172LTR0.1H0
V173PNZ0.1HA V173LTR0.1H0 V174PNZ0.1HA V174LTR0.1H0 V175PNZ0.1HA V175LTR0.1H0

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Wave T_p in Peng-Tung Seas of PNZ0 at 2017

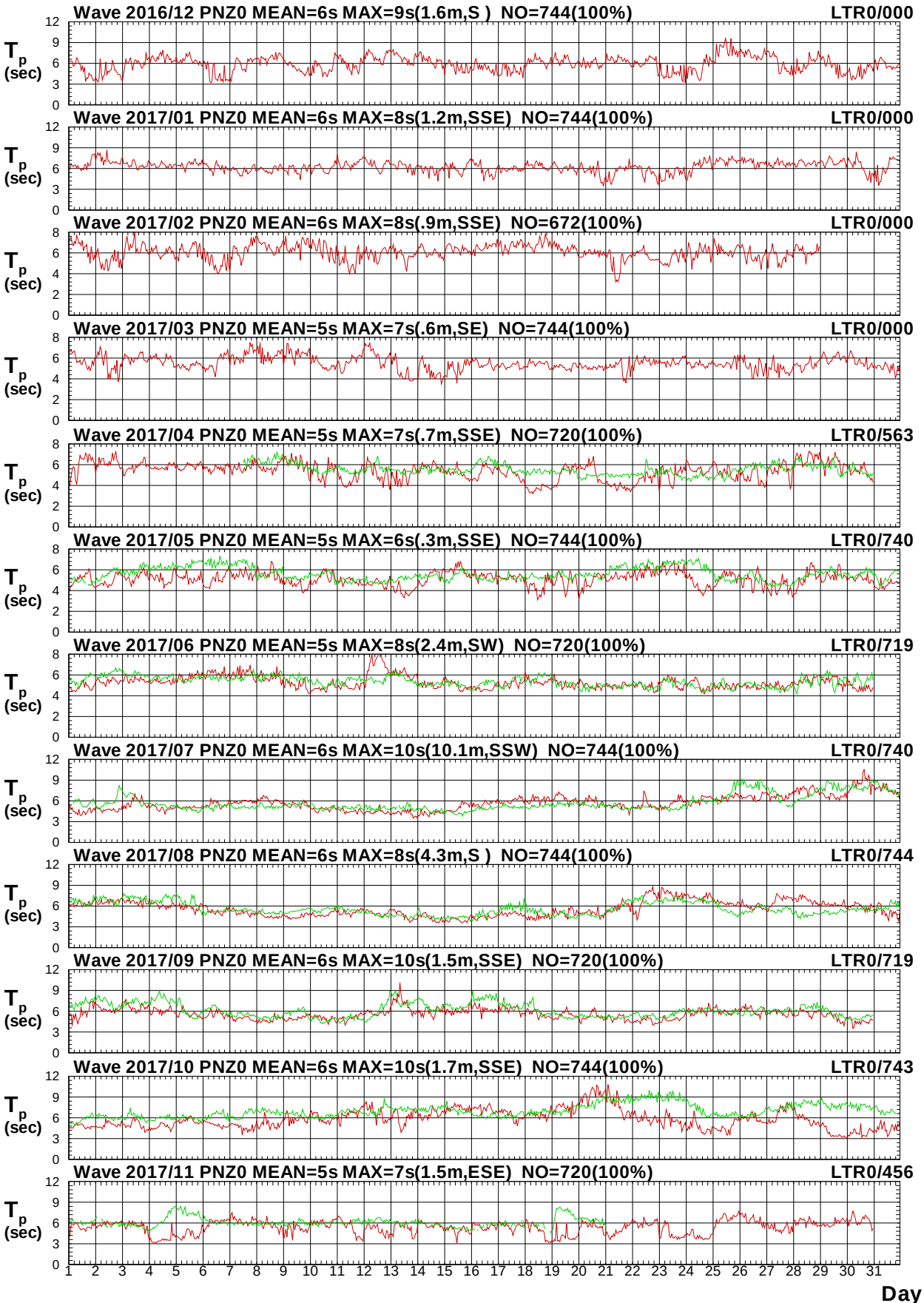

圖2.17b　2017年每月屏東海域 Z 站與臺東海域 R 站週期圖

V16CPNZ0.1HA V16CLTR0.1H0 V171PNZ0.1HA V171LTR0.1H0 V172PNZ0.1HA V172LTR0.1H0
V173PNZ0.1HA V173LTR0.1H0 V174PNZ0.1HA V174LTR0.1H0 V175PNZ0.1HA V175LTR0.1H0

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Wave Direction in Peng-Tung Seas of PNZ0 at 2017

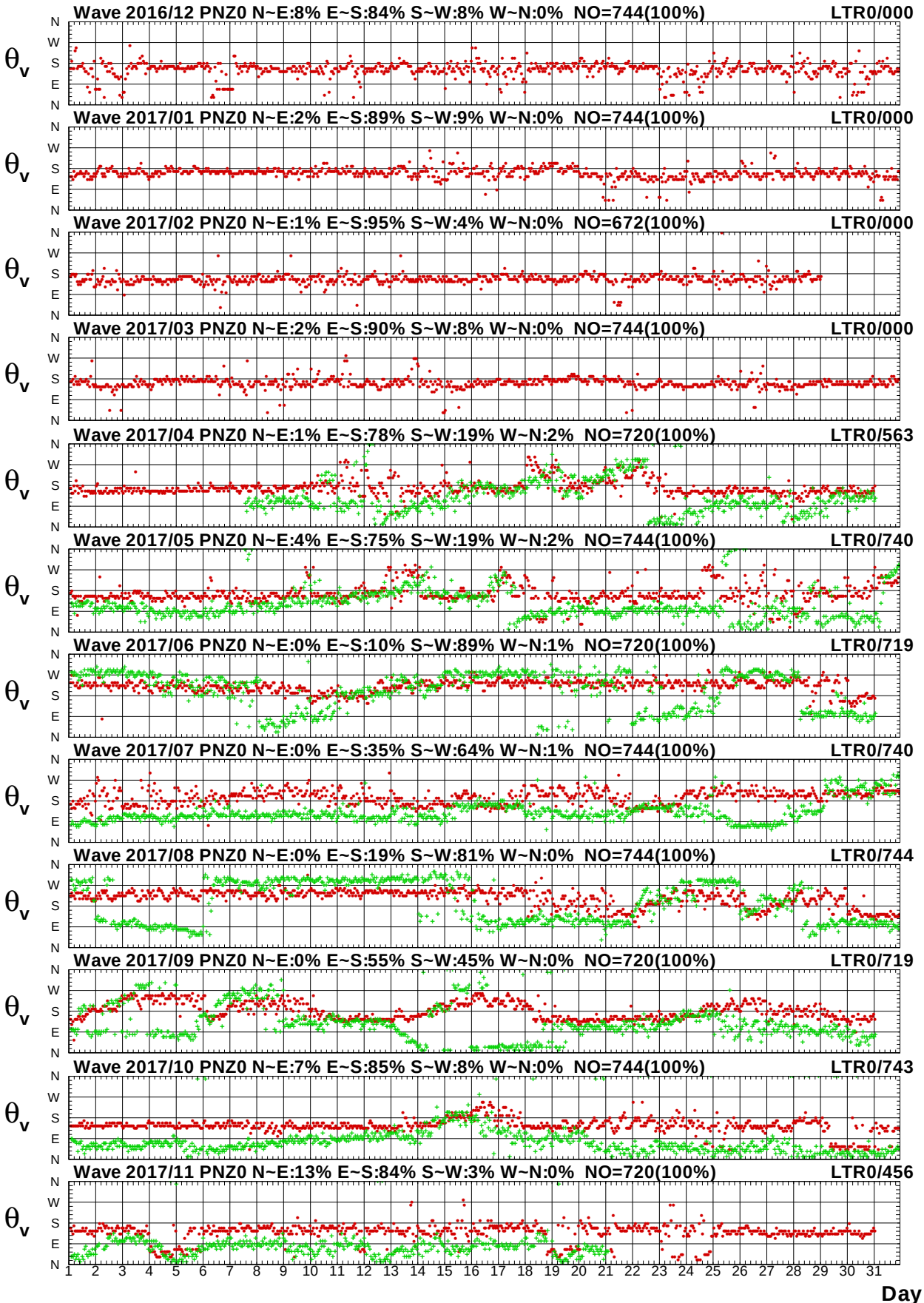

圖2.17c　2017年每月屏東海域 Z 站與臺東海域 R 站波向圖

V16CPNZ0.1HA V16CLTR0.1H0 V171PNZ0.1HA V171LTR0.1H0 V172PNZ0.1HA V172LTR0.1H0
V173PNZ0.1HA V173LTR0.1H0 V174PNZ0.1HA V174LTR0.1H0 V175PNZ0.1HA V175LTR0.1H0

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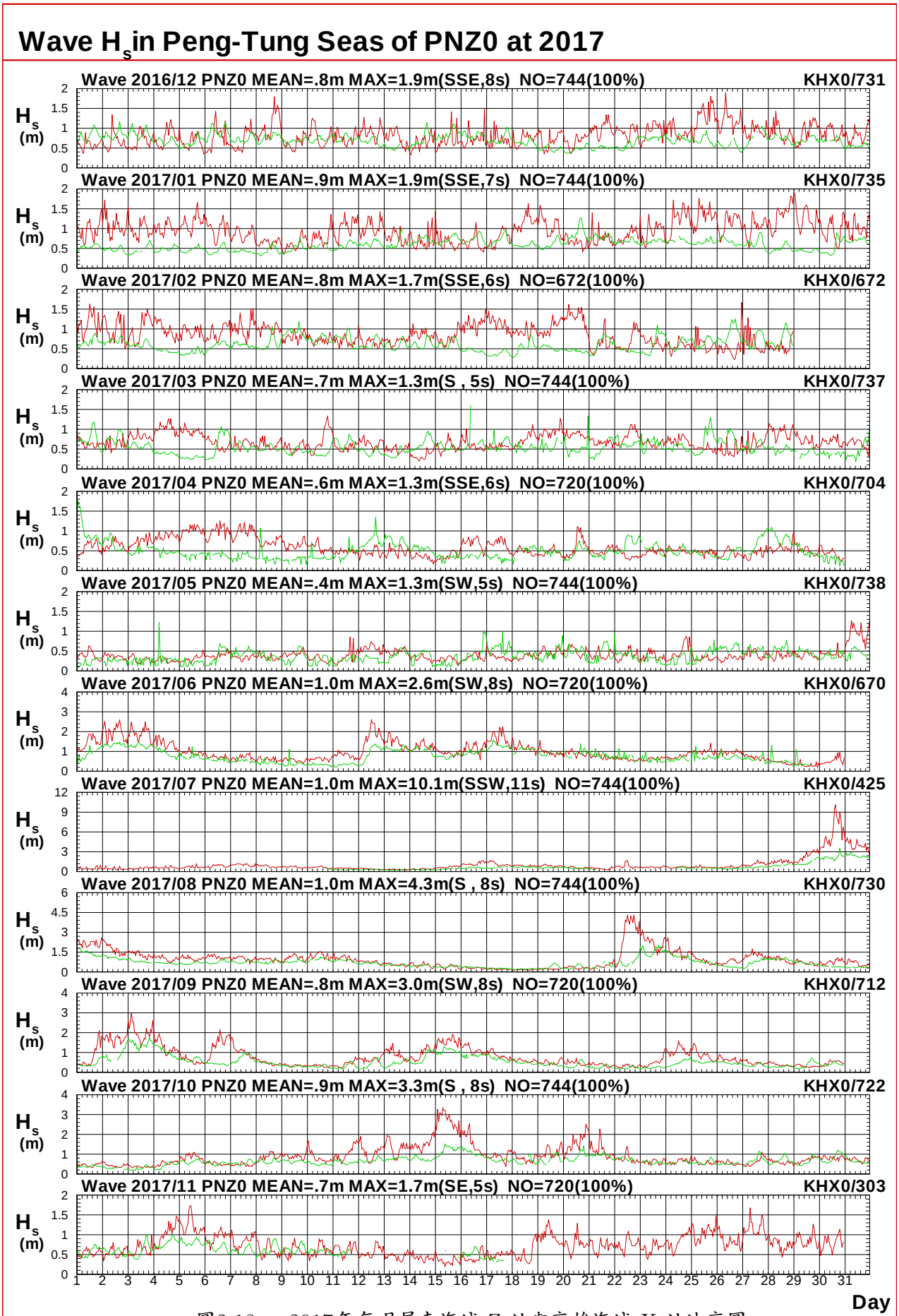

圖2.18a　2017年每月屏東海域 Z 站與高雄海域 X 站波高圖

V16CPNZ0.1HA V16CKHX0.1H0 V171PNZ0.1HA V171KHX0.1H0 V172PNZ0.1HA V172KHX0.1H0
V173PNZ0.1HA V173KHX0.1H0 V174PNZ0.1HA V174KHX0.1H0 V175PNZ0.1HA V175KHX0.1H0

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Wave T_p in Peng-Tung Seas of PNZ0 at 2017

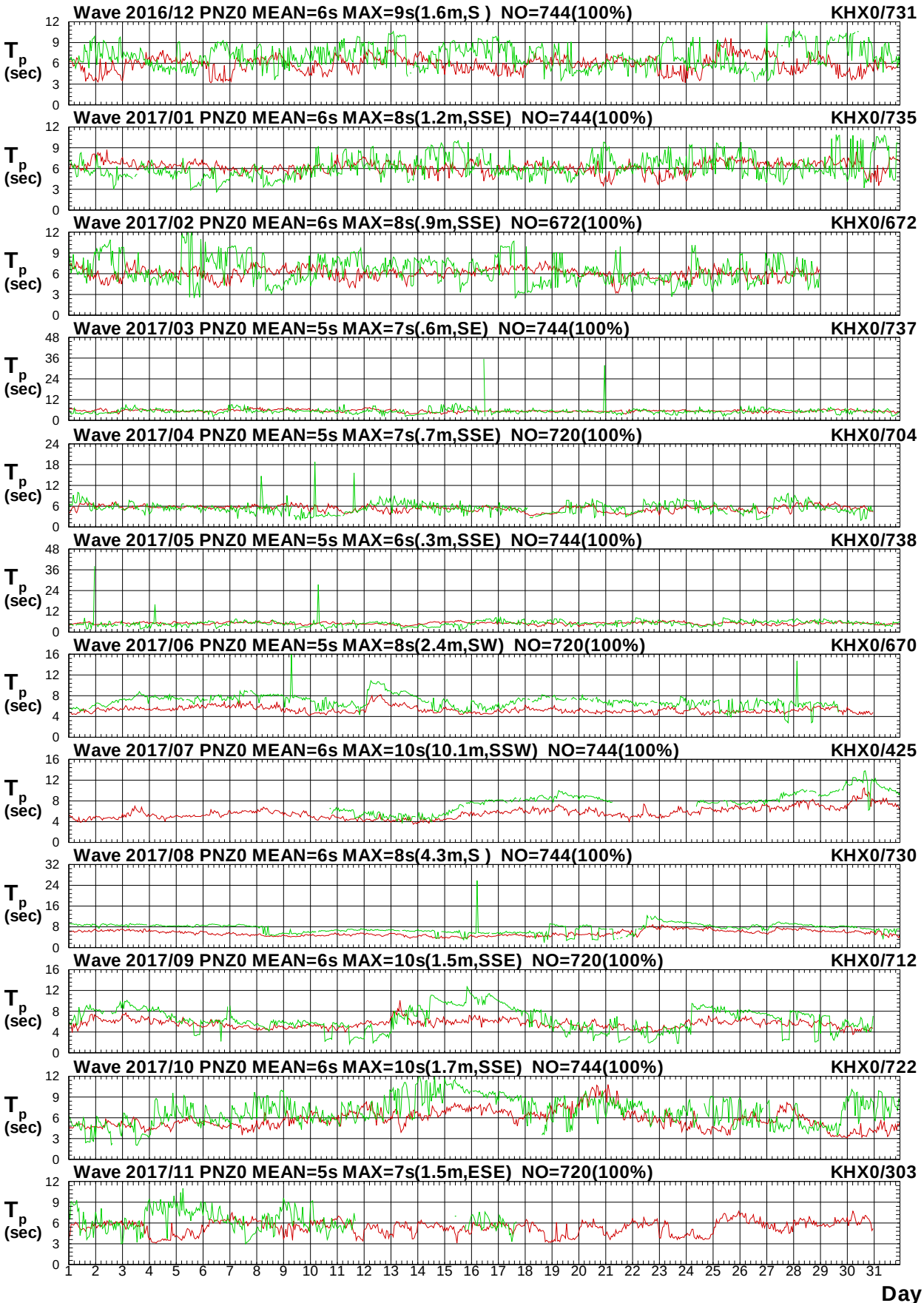

圖2.18b　2017年每月屏東海域 Z 站與高雄海域 X 站週期圖

V16CPNZ0.1HA V16CKHX0.1H0 V171PNZ0.1HA V171KHX0.1H0 V172PNZ0.1HA V172KHX0.1H0
V173PNZ0.1HA V173KHX0.1H0 V174PNZ0.1HA V174KHX0.1H0 V175PNZ0.1HA V175KHX0.1H0

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Wave Direction in Peng-Tung Seas of PNZ0 at 2017

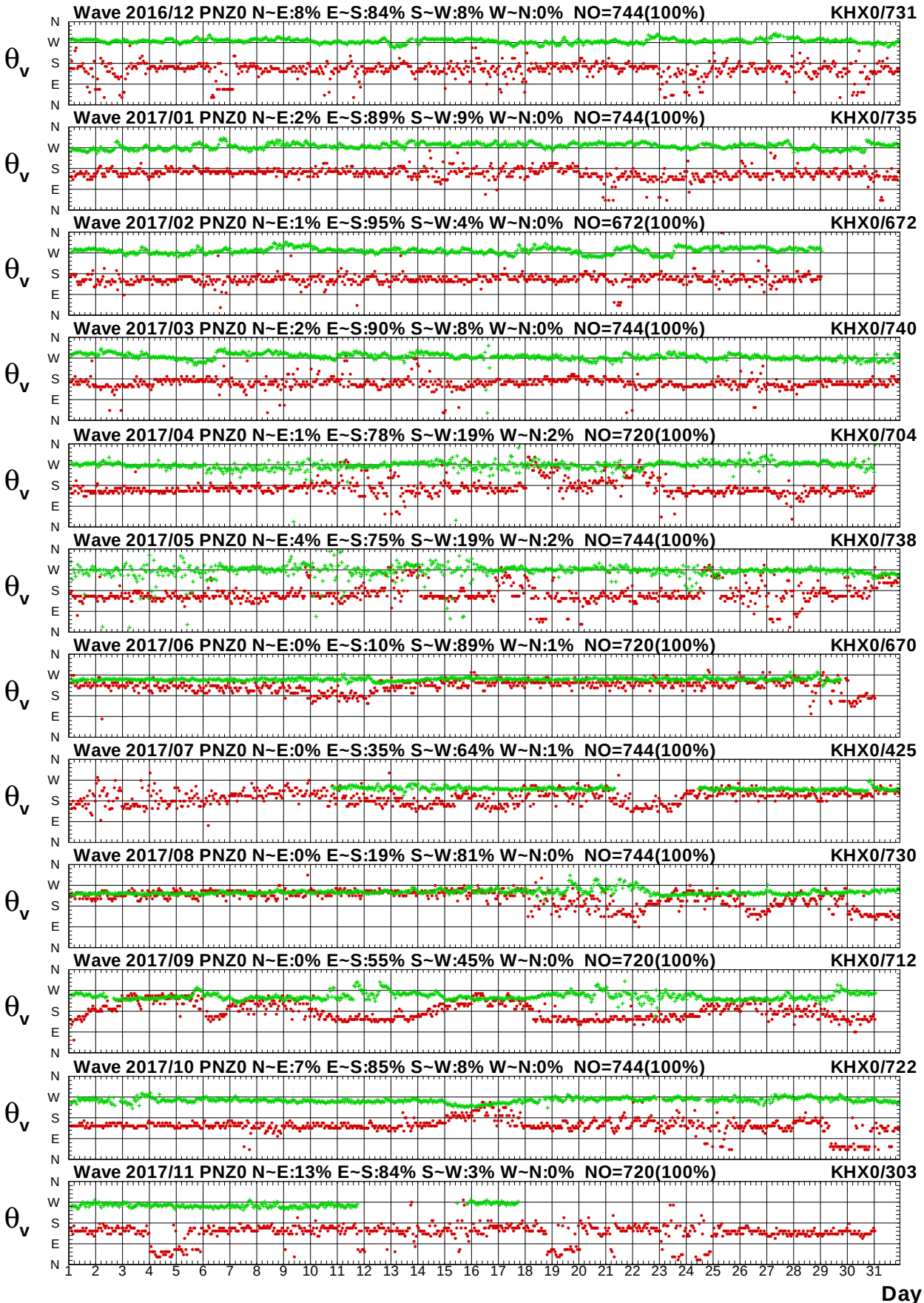

圖2.18c　2017年每月屏東海域 Z 站與高雄海域 X 站波向圖

V16CPNZ0.1HA V16CKHX0.1H0 V171PNZ0.1HA V171KHX0.1H0 V172PNZ0.1HA V172KHX0.1H0
V173PNZ0.1HA V173KHX0.1H0 V174PNZ0.1HA V174KHX0.1H0 V175PNZ0.1HA V175KHX0.1H0

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Wave H_s in Peng-Tung Seas of PNZ0 at 2017

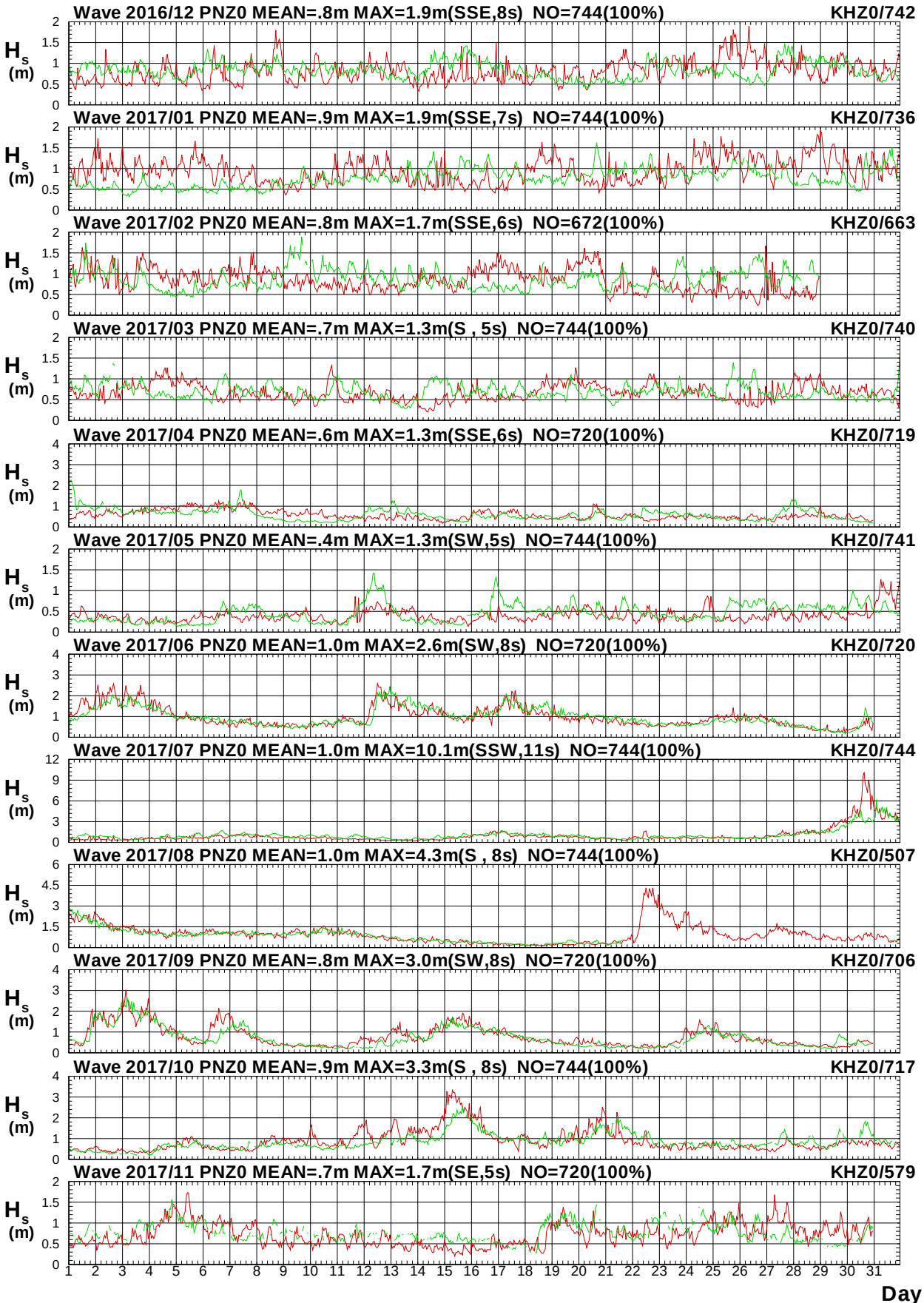

圖2.19a　2017年每月屏東海域 Z 站與高雄海域 Z 站波高圖

V16CPNZ0.1HA V16CKHZ0.1H0 V171PNZ0.1HA V171KHZ0.1H0 V172PNZ0.1HA V172KHZ0.1H0
V173PNZ0.1HA V173KHZ0.1H0 V174PNZ0.1HA V174KHZ0.1H0 V175PNZ0.1HA V175KHZ0.1H0

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Wave T_p in Peng-Tung Seas of PNZ0 at 2017

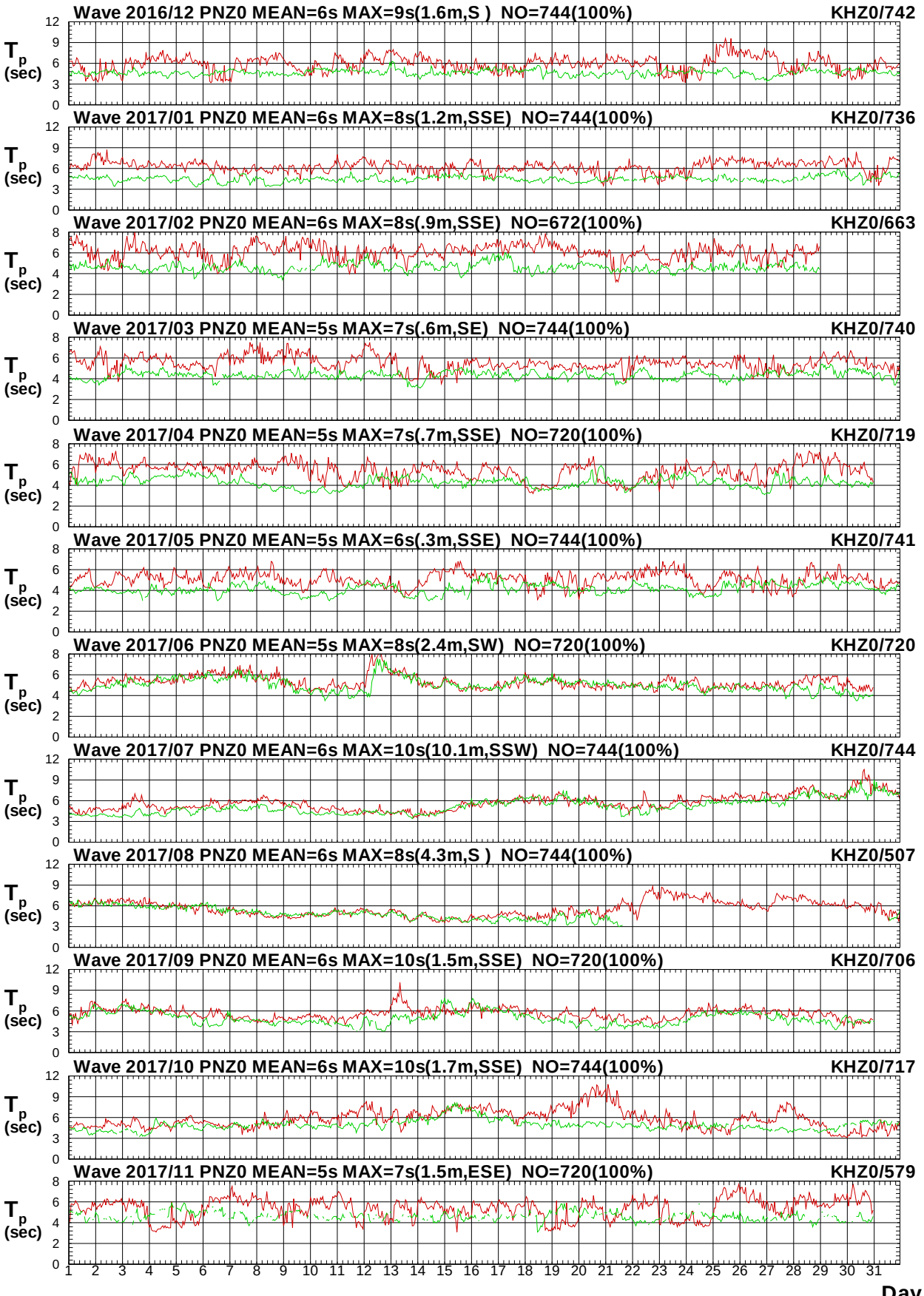

圖2.19b　2017年每月屏東海域 Z 站與高雄海域 Z 站週期圖

V16CPNZ0.1HA V16CKHZ0.1H0 V171PNZ0.1HA V171KHZ0.1H0 V172PNZ0.1HA V172KHZ0.1H0
V173PNZ0.1HA V173KHZ0.1H0 V174PNZ0.1HA V174KHZ0.1H0 V175PNZ0.1HA V175KHZ0.1H0

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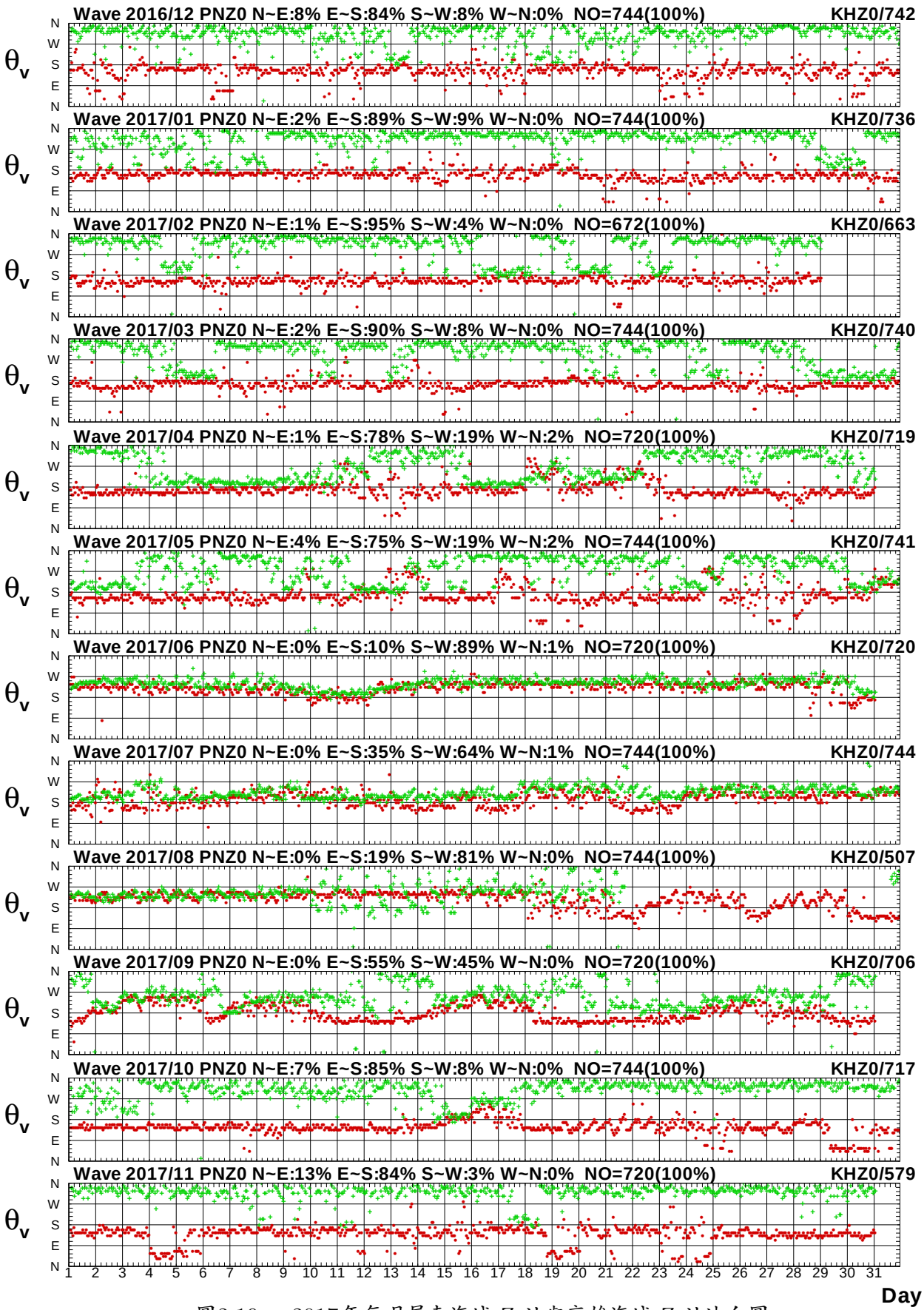

圖2.19c　2017年每月屏東海域 Z 站與高雄海域 Z 站波向圖

V16CPNZ0.1HA V16CKHZ0.1H0 V171PNZ0.1HA V171KHZ0.1H0 V172PNZ0.1HA V172KHZ0.1H0
V173PNZ0.1HA V173KHZ0.1H0 V174PNZ0.1HA V174KHZ0.1H0 V175PNZ0.1HA V175KHZ0.1H0

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Wave H_s in Peng-Tung Seas of PNZ0 at 2017

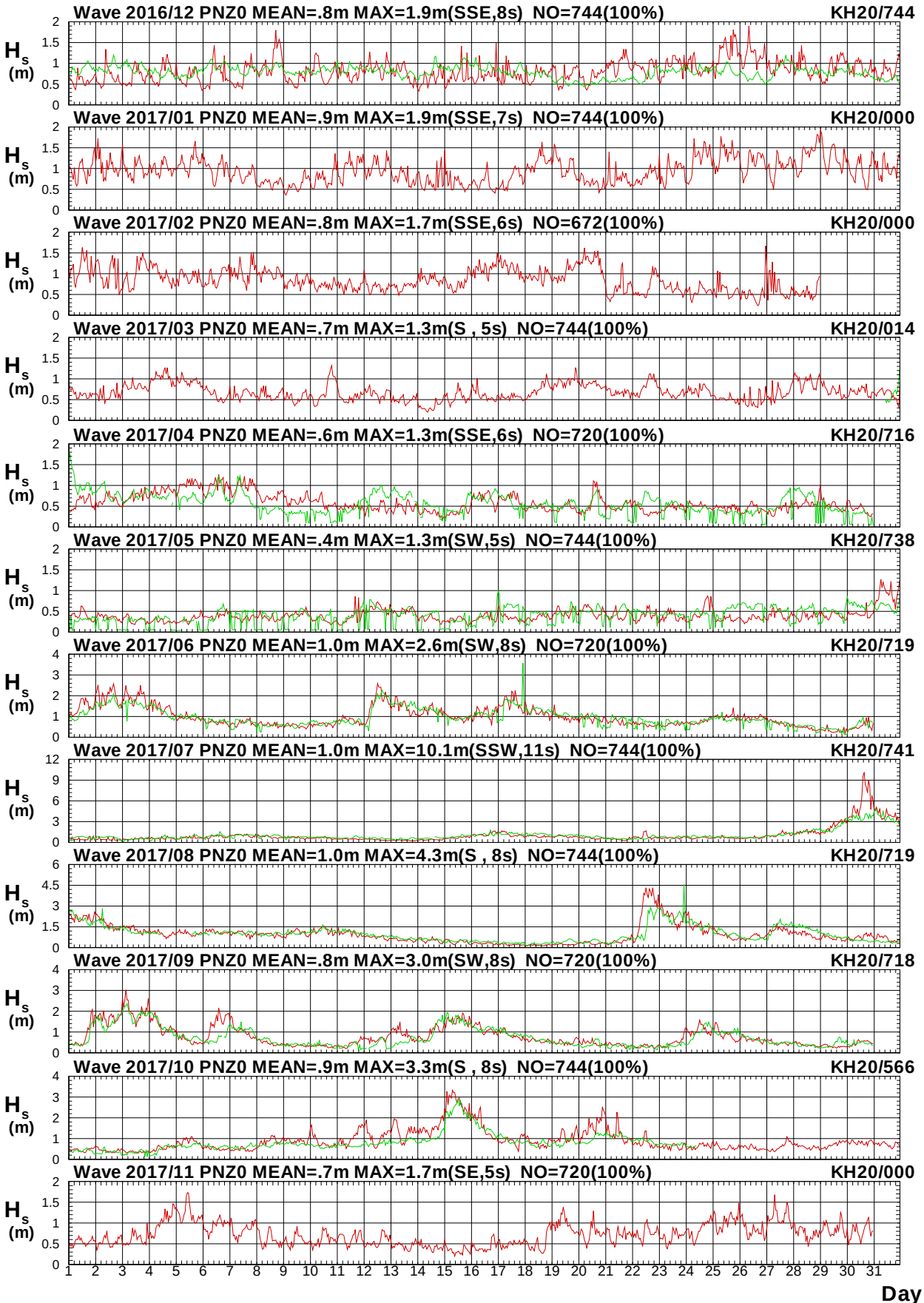

圖2.20a　2017年每月屏東海域 Z 站與高雄海域2站波高圖

V16CPNZ0.1HA V16CKH20.1H0 V171PNZ0.1HA V171KH20.1H0 V172PNZ0.1HA V172KH20.1H0
V173PNZ0.1HA V173KH20.1H0 V174PNZ0.1HA V174KH20.1H0 V175PNZ0.1HA V175KH20.1H0

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Wave T_p in Peng-Tung Seas of PNZ0 at 2017

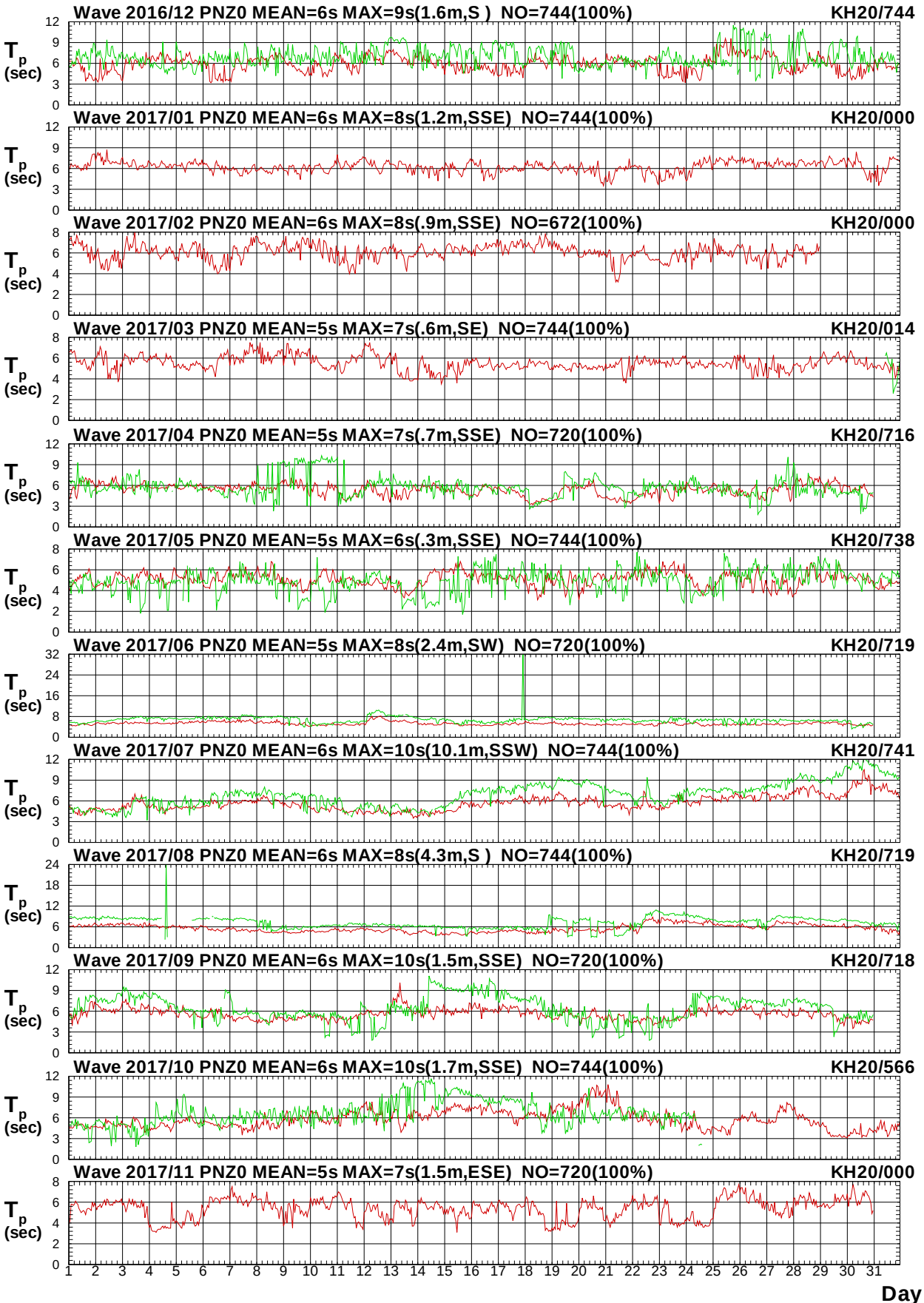

圖2.20b　2017年每月屏東海域 Z 站與高雄海域2站週期圖

V16CPNZ0.1HA V16CKH20.1H0 V171PNZ0.1HA V171KH20.1H0 V172PNZ0.1HA V172KH20.1H0
V173PNZ0.1HA V173KH20.1H0 V174PNZ0.1HA V174KH20.1H0 V175PNZ0.1HA V175KH20.1H0

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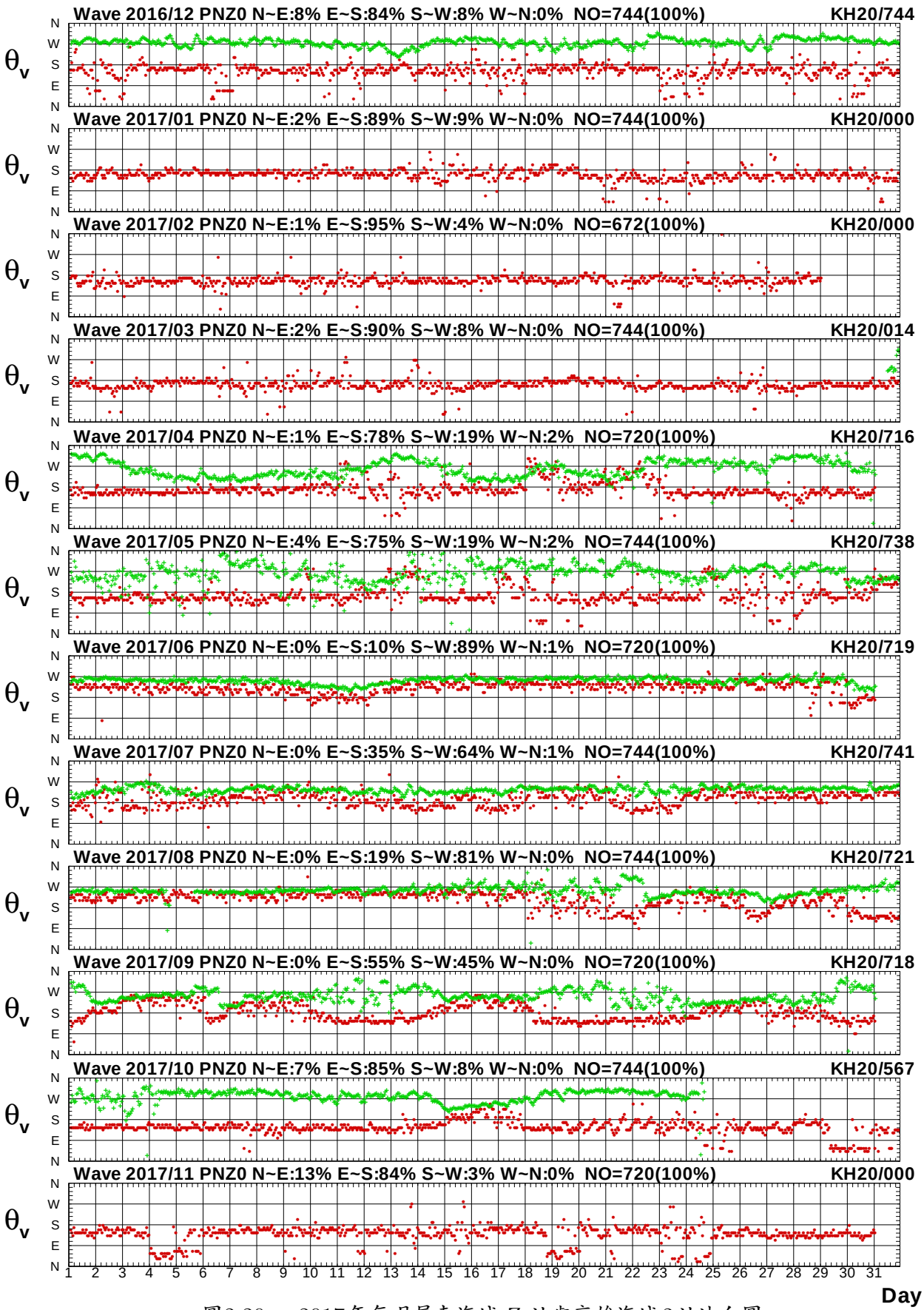

圖2.20c　2017年每月屏東海域 Z 站與高雄海域2站波向圖

V16CPNZ0.1HA V16CKH20.1H0 V171PNZ0.1HA V171KH20.1H0 V172PNZ0.1HA V172KH20.1H0
V173PNZ0.1HA V173KH20.1H0 V174PNZ0.1HA V174KH20.1H0 V175PNZ0.1HA V175KH20.1H0

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第三章　2017 年屏東海域觀測潮汐資料

屏東海域潮汐之觀測包括**測站 F**、**測站 K**、**測站 M**、**測站 J**、**測站 P 及測站 Q 等 6** 個測站(測站位置如第 O 章圖 TJ1)。本年報取經檢核及補遺之**測站 J** 資料作為主要測站。**測站 J** 與其他 5 個測站特性皆相近。

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年每月屏東海域修補前各測站觀測潮汐資料紀錄表

海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域
年月/測站	J	Q	K	P	F							
2016/12月	685(92.1%)	702(94.4%)	722(97.0%)	730(98.1%)	744(100%)	*	*	*	*	*	*	*
2017/ 1月	610(82.0%)	612(82.3%)	726(97.6%)	610(82.0%)	744(100%)	*	*	*	*	*	*	*
2017/ 2月	666(99.1%)	669(99.6%)	656(97.6%)	660(98.2%)	672(100%)	*	*	*	*	*	*	*
2017/ 3月	686(92.2%)	687(92.3%)	726(97.6%)	685(92.1%)	744(100%)	*	*	*	*	*	*	*
2017/ 4月	615(85.4%)	613(85.1%)	702(97.5%)	617(85.7%)	720(100%)	*	*	*	*	*	*	*
2017/ 5月	695(93.4%)	702(94.4%)	718(96.5%)	694(93.3%)	744(100%)	*	*	*	*	*	*	*
2017/ 6月	360(50.0%)	363(50.4%)	718(99.7%)	342(47.5%)	706(98.1%)	*	*	*	*	*	*	*
2017/ 7月	681(91.5%)	680(91.4%)	743(99.9%)	682(91.7%)	705(94.8%)	*	*	*	*	*	*	*
2017/ 8月	415(55.8%)	415(55.8%)	744(100%)	363(48.8%)	708(95.2%)	*	*	*	*	*	*	*
2017/ 9月	449(62.4%)	449(62.4%)	700(97.2%)	449(62.4%)	674(93.6%)	*	*	*	*	*	*	*
2017/10月	581(78.1%)	476(64.0%)	744(100%)	582(78.2%)	701(94.2%)	*	*	*	*	*	*	*
2017/11月	622(86.4%)	623(86.5%)	714(99.2%)	622(86.4%)	670(93.1%)	*	*	*	*	*	*	*
2017/冬季	1961(90.8%)	1983(91.8%)	2104(97.4%)	2000(92.6%)	2160(100%)	*	*	*	*	*	*	*
2017/春季	1996(90.4%)	2002(90.7%)	2146(97.2%)	1996(90.4%)	2208(100%)	*	*	*	*	*	*	*
2017/夏季	1456(65.9%)	1458(66.0%)	2205(99.9%)	1387(62.8%)	2119(96.0%)	*	*	*	*	*	*	*
2017/秋季	1652(75.6%)	1548(70.9%)	2158(98.8%)	1653(75.7%)	2045(93.6%)	*	*	*	*	*	*	*
2017/整年	7065(80.7%)	6991(79.8%)	8613(98.3%)	7036(80.3%)	8532(97.4%)	*	*	*	*	*	*	*
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3.1b 2017年每月屏東海域修補後各測站潮汐資料紀錄表

海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域
年月/測站	J	Q	K	P	F							
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%)	720(100%)	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%)	2208(100%)	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%)	8760(100%)	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3.2a　2017年屏東海域 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	J	49	122	78	96	14.6	25.0	20.1	25.0	40	-347	-277	-412	685(92%)
2	2017/01	J	44	109	85	107	15.8	25.0	22.9	25.0	32	-356	-293	-407	610(82%)
3	2017/02	J	50	122	87	113	14.6	25.0	20.3	25.0	40	-350	-277	-416	666(99%)
4	2017/03	J	47	78	66	73	13.4	25.0	17.1	25.0	49	-338	-281	-378	686(92%)
5	2017/04	J	48	79	67	79	14.1	25.0	17.9	25.0	39	-338	-285	-391	615(85%)
6	2017/05	J	50	85	71	83	15.6	25.0	22.5	25.0	36	-343	-276	-396	695(93%)
7	2017/06	J	59	120	96	120	16.1	25.0	25.0	25.0	13	-332	-266	-390	360(50%)
8	2017/07	J	52	101	85	99	14.2	25.0	18.8	24.5	46	-331	-254	-386	681(92%)
9	2017/08	J	51	96	81	96	14.0	26.0	18.2	26.0	15	-327	-248	-378	415(56%)
10	2017/09	J	56	92	80	88	15.5	25.0	22.4	25.0	22	-327	-266	-373	449(62%)
11	2017/10	J	62	100	84	93	13.5	25.0	16.3	24.5	28	-324	-257	-373	581(78%)
12	2017/11	J	59	120	93	113	14.0	25.0	18.1	25.0	39	-338	-264	-386	622(86%)
13	2017/冬	J	48	122	82	107	15.0	25.0	20.8	25.0	112	-351	-277	-416	1961(91%)
14	2017/春	J	48	85	68	78	14.3	25.0	19.0	25.0	124	-340	-276	-396	1996(90%)
15	2017/夏	J	53	120	86	102	14.5	26.0	19.8	25.1	74	-330	-248	-390	1456(66%)
16	2017/秋	J	59	120	88	103	14.2	25.0	18.8	25.0	89	-330	-257	-386	1652(76%)
17	2017/年	J	52	122	80	99	14.5	26.0	19.5	25.0	399	-339	-248	-416	7065(81%)

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表3.2b　2017年屏東海域 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	J	52	93	78	90	14.7	25.0	20.4	25.0	49	-348	-277	-412	744(100%)
2	2017/01	J	40	114	79	106	16.2	26.0	24.1	25.3	45	-354	-263	-416	744(100%)
3	2017/02	J	50	122	83	114	14.4	25.0	19.8	25.0	43	-350	-277	-416	672(100%)
4	2017/03	J	50	79	69	76	13.3	25.0	16.6	23.2	55	-338	-281	-378	744(100%)
5	2017/04	J	49	86	71	79	15.1	26.0	21.8	25.8	47	-339	-268	-391	720(100%)
6	2017/05	J	51	110	72	92	15.6	26.0	22.9	25.3	44	-343	-276	-396	744(100%)
7	2017/06	J	50	123	82	110	15.4	26.0	21.9	25.3	46	-334	-259	-390	720(100%)
8	2017/07	J	51	101	81	97	13.8	25.0	17.5	24.2	53	-330	-254	-386	744(100%)
9	2017/08	J	53	117	94	109	14.3	26.0	18.7	25.5	48	-329	-248	-378	744(100%)
10	2017/09	J	54	106	88	102	13.9	26.0	17.6	24.8	51	-327	-261	-373	720(100%)
11	2017/10	J	57	98	86	93	13.9	25.0	17.8	24.4	50	-324	-257	-380	744(100%)
12	2017/11	J	57	120	96	114	13.8	26.0	17.6	25.5	49	-339	-264	-405	720(100%)
13	2017/冬	J	48	122	81	105	15.1	26.0	21.5	25.1	137	-351	-263	-416	2160(100%)
14	2017/春	J	50	110	70	81	14.6	26.0	20.1	25.3	146	-340	-268	-396	2208(100%)
15	2017/夏	J	51	123	86	104	14.4	26.0	19.2	25.1	147	-331	-248	-390	2208(100%)
16	2017/秋	J	56	120	91	104	13.9	26.0	17.6	24.9	150	-330	-257	-405	2184(100%)
17	2017/年	J	51	123	83	101	14.5	26.0	19.6	25.2	580	-338	-248	-416	8760(100%)

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表3.3a　2017年屏東海域 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	Q	72	173	126	169	16.2	26.0	24.2	25.3	43	-171	-87	-260	702(94%)
2	2017/01	Q	67	159	113	145	14.0	26.0	18.0	25.5	42	-168	-81	-245	612(82%)
3	2017/02	Q	64	137	99	129	14.5	26.0	19.9	25.3	39	-164	-86	-226	669(100%)
4	2017/03	Q	69	117	94	104	14.6	26.0	20.3	25.3	40	-159	-94	-218	687(92%)
5	2017/04	Q	68	108	93	104	15.4	26.0	21.6	25.3	33	-160	-86	-229	613(85%)
6	2017/05	Q	74	157	107	132	14.8	25.0	20.7	25.0	38	-167	-83	-244	702(94%)
7	2017/06	Q	72	122	111	122	14.9	25.0	20.0	25.0	12	-161	-78	-241	363(50%)
8	2017/07	Q	68	157	107	143	14.3	26.0	19.0	25.0	40	-155	-79	-236	680(91%)
9	2017/08	Q	71	116	110	116	15.1	25.0	21.3	25.0	10	-155	-63	-226	415(56%)
10	2017/09	Q	69	120	106	120	15.3	26.0	22.5	26.0	14	-149	-82	-208	449(62%)
11	2017/10	Q	68	113	97	113	14.5	26.0	19.2	26.0	18	-151	-79	-240	476(64%)
12	2017/11	Q	80	155	119	141	16.1	26.0	24.0	25.3	34	-168	-86	-245	623(87%)
13	2017/冬	Q	68	173	114	150	14.9	26.0	20.8	25.3	124	-168	-81	-260	1983(92%)
14	2017/春	Q	70	157	98	113	14.9	26.0	20.7	25.3	111	-162	-83	-244	2002(91%)
15	2017/夏	Q	69	157	110	136	14.5	26.0	19.5	25.0	62	-157	-63	-241	1458(66%)
16	2017/秋	Q	74	155	109	132	15.5	26.0	22.0	25.5	66	-158	-79	-245	1548(71%)
17	2017/年	Q	70	173	107	135	14.9	26.0	20.7	25.3	363	-162	-63	-260	6991(80%)

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表3.3b　2017年屏東海域 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	Q	73	123	102	119	14.9	25.0	21.2	25.0	49	-171	-87	-260	744(100%)
2	2017/01	Q	66	165	119	153	13.5	25.0	17.7	24.4	54	-170	-81	-245	744(100%)
3	2017/02	Q	65	125	89	109	14.3	26.0	19.6	25.0	43	-165	-86	-226	672(100%)
4	2017/03	Q	70	117	95	106	14.3	26.0	19.4	25.3	46	-159	-94	-218	744(100%)
5	2017/04	Q	68	129	87	103	15.4	26.0	22.3	25.5	46	-159	-86	-229	720(100%)
6	2017/05	Q	70	159	99	140	14.9	26.0	21.0	25.5	47	-167	-83	-244	744(100%)
7	2017/06	Q	55	103	82	97	14.9	25.0	20.5	25.0	45	-167	-76	-241	720(100%)
8	2017/07	Q	67	122	97	110	13.4	25.0	16.5	22.4	51	-155	-74	-236	744(100%)
9	2017/08	Q	65	156	113	137	15.4	26.0	21.9	25.8	46	-154	-63	-226	744(100%)
10	2017/09	Q	67	107	96	104	13.9	26.0	18.0	25.0	41	-150	-72	-210	720(100%)
11	2017/10	Q	72	169	102	125	15.1	26.0	21.2	25.5	44	-171	-79	-325	744(100%)
12	2017/11	Q	76	155	108	141	14.6	26.0	20.0	25.5	46	-167	-83	-245	720(100%)
13	2017/冬	Q	68	165	106	133	14.2	26.0	19.4	25.1	146	-169	-81	-260	2160(100%)
14	2017/春	Q	69	159	93	117	14.9	26.0	20.8	25.5	139	-162	-83	-244	2208(100%)
15	2017/夏	Q	63	156	99	120	14.5	26.0	19.5	24.9	142	-158	-63	-241	2208(100%)
16	2017/秋	Q	72	169	102	125	14.6	26.0	19.7	25.4	131	-163	-72	-325	2184(100%)
17	2017/年	Q	68	169	100	125	14.5	26.0	19.8	25.3	558	-163	-63	-325	8760(100%)

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表3.4a　2017年屏東海域 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	K	51	121	84	104	14.6	25.0	20.1	25.0	42	1	73	-49	722(97%)
2	2017/01	K	40	93	76	91	15.6	26.0	22.9	25.3	40	-8	63	-51	726(98%)
3	2017/02	K	45	93	70	87	15.3	25.0	22.0	25.0	43	2	69	-44	656(98%)
4	2017/03	K	47	89	67	78	14.9	26.0	21.7	25.3	44	9	69	-33	726(98%)
5	2017/04	K	44	76	65	72	15.3	26.0	22.4	25.5	40	13	68	-20	702(98%)
6	2017/05	K	50	87	72	81	17.2	25.0	24.8	25.0	37	6	74	-31	718(97%)
7	2017/06	K	36	71	60	68	16.4	26.0	24.9	25.3	38	19	78	-25	718(100%)
8	2017/07	K	37	91	72	85	17.3	25.0	24.8	25.0	41	19	142	-28	743(100%)
9	2017/08	K	41	104	80	97	16.7	25.0	24.6	25.0	41	16	88	-30	744(100%)
10	2017/09	K	45	80	72	78	16.5	25.0	24.5	25.0	37	10	62	-23	700(97%)
11	2017/10	K	47	80	72	78	17.4	26.0	25.1	26.0	38	19	96	-26	744(100%)
12	2017/11	K	48	94	77	91	18.6	26.0	25.1	25.3	33	-5	62	-40	714(99%)
13	2017/冬	K	46	121	77	95	15.2	26.0	21.6	25.1	125	-2	73	-51	2104(97%)
14	2017/春	K	47	89	68	77	15.7	26.0	23.2	25.3	121	10	74	-33	2146(97%)
15	2017/夏	K	38	104	71	87	16.8	26.0	24.7	25.1	120	18	142	-30	2205(100%)
16	2017/秋	K	46	94	73	82	17.5	26.0	24.9	25.5	108	8	96	-40	2158(99%)
17	2017/年	K	44	121	72	86	16.3	26.0	24.0	25.2	474	9	142	-51	8613(98%)

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表3.4b　2017年屏東海域 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	K	50	115	79	99	14.4	25.0	19.7	25.0	45	1	73	-49	744(100%)
2	2017/01	K	42	92	75	89	15.1	25.0	21.4	25.0	43	-8	63	-51	744(100%)
3	2017/02	K	46	104	84	101	13.7	25.0	18.2	24.5	48	2	69	-44	672(100%)
4	2017/03	K	48	77	66	74	14.2	26.0	19.6	25.3	49	9	69	-33	744(100%)
5	2017/04	K	43	76	63	71	14.4	26.0	20.3	25.3	46	13	68	-20	720(100%)
6	2017/05	K	50	88	71	83	16.4	25.0	24.7	25.0	41	6	74	-31	744(100%)
7	2017/06	K	36	71	60	68	16.4	26.0	24.9	25.3	38	19	78	-25	720(100%)
8	2017/07	K	37	91	72	85	17.3	25.0	24.8	25.0	41	19	142	-28	744(100%)
9	2017/08	K	41	104	80	97	16.7	25.0	24.6	25.0	41	16	88	-30	744(100%)
10	2017/09	K	45	80	72	78	16.3	25.0	23.8	25.0	36	11	62	-23	720(100%)
11	2017/10	K	47	80	72	78	17.4	26.0	25.1	26.0	38	19	96	-26	744(100%)
12	2017/11	K	49	94	77	91	18.7	26.0	25.1	25.3	34	-5	62	-65	720(100%)
13	2017/冬	K	46	115	80	98	14.4	25.0	19.7	24.9	136	-2	73	-51	2160(100%)
14	2017/春	K	47	88	66	75	14.9	26.0	21.3	25.1	136	10	74	-33	2208(100%)
15	2017/夏	K	38	104	71	87	16.8	26.0	24.7	25.1	120	18	142	-30	2208(100%)
16	2017/秋	K	47	94	74	82	17.4	26.0	24.9	25.5	108	8	96	-65	2184(100%)
17	2017/年	K	45	115	73	88	15.8	26.0	23.0	25.2	500	9	142	-65	8760(100%)

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表3.5a　2017年屏東海域 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	P	54	114	87	106	16.5	26.0	24.9	25.7	37	-218	-152	-279	730(98%)
2	2017/01	P	45	112	85	109	16.6	26.0	24.6	25.3	31	-226	-159	-277	610(82%)
3	2017/02	P	47	101	80	95	14.8	25.0	20.5	25.0	40	-217	-152	-268	660(98%)
4	2017/03	P	49	101	78	94	14.3	26.0	19.3	25.5	46	-218	-158	-260	685(92%)
5	2017/04	P	50	83	70	82	14.4	25.0	19.3	25.0	38	-218	-163	-274	617(86%)
6	2017/05	P	51	83	74	82	15.9	25.0	23.3	25.0	37	-224	-162	-274	694(93%)
7	2017/06	P	62	121	97	121	16.5	25.0	24.6	25.0	15	-213	-152	-276	342(48%)
8	2017/07	P	51	137	93	121	13.7	24.0	17.1	24.0	46	-205	-122	-262	682(92%)
9	2017/08	P	52	103	78	103	14.7	26.0	20.4	26.0	16	-201	-119	-254	363(49%)
10	2017/09	P	58	99	83	95	14.6	25.0	19.8	25.0	24	-199	-137	-247	449(62%)
11	2017/10	P	62	95	86	94	13.9	26.0	17.9	25.3	33	-197	-129	-310	582(78%)
12	2017/11	P	62	126	89	119	13.4	25.0	16.6	25.0	38	-210	-134	-264	622(86%)
13	2017/冬	P	49	114	84	103	15.9	26.0	23.1	25.3	108	-220	-152	-279	2000(93%)
14	2017/春	P	50	101	74	86	14.8	26.0	20.5	25.2	121	-220	-158	-274	1996(90%)
15	2017/夏	P	54	137	92	116	14.4	26.0	19.4	25.0	77	-206	-119	-276	1387(63%)
16	2017/秋	P	61	126	86	103	13.9	26.0	17.9	25.1	95	-202	-129	-310	1653(76%)
17	2017/年	P	53	137	83	102	14.8	26.0	20.5	25.2	401	-213	-119	-310	7036(80%)

DIST3A.BAT　　測站編號:PNP

表3.5b　2017年屏東海域 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	P	52	103	77	90	16.0	26.0	23.7	25.5	45	-218	-152	-279	744(100%)
2	2017/01	P	42	89	70	86	16.4	28.0	24.3	25.8	42	-224	-136	-289	744(100%)
3	2017/02	P	47	114	78	100	15.3	26.0	22.1	25.3	43	-217	-152	-268	672(100%)
4	2017/03	P	51	82	67	77	13.8	26.0	18.1	25.4	53	-218	-158	-260	744(100%)
5	2017/04	P	51	91	74	83	15.8	26.0	23.0	25.8	45	-219	-146	-274	720(100%)
6	2017/05	P	54	110	77	97	15.9	26.0	23.5	25.3	40	-224	-161	-274	744(100%)
7	2017/06	P	51	98	75	89	14.8	26.0	20.5	25.5	47	-214	-142	-276	720(100%)
8	2017/07	P	53	110	83	103	13.1	24.0	15.3	20.2	54	-204	-122	-262	744(100%)
9	2017/08	P	51	120	94	108	13.7	26.0	17.0	24.8	50	-194	-119	-254	744(100%)
10	2017/09	P	56	108	91	106	13.6	25.0	16.9	24.2	52	-200	-127	-250	720(100%)
11	2017/10	P	59	98	88	95	13.6	26.0	16.9	25.0	54	-197	-129	-310	744(100%)
12	2017/11	P	62	126	102	118	13.0	25.0	15.2	20.0	48	-210	-134	-278	720(100%)
13	2017/冬	P	47	114	75	91	15.9	28.0	23.4	25.5	130	-220	-136	-289	2160(100%)
14	2017/春	P	52	110	73	86	15.1	26.0	21.2	25.5	138	-221	-146	-274	2208(100%)
15	2017/夏	P	52	120	84	103	13.8	26.0	17.4	24.7	151	-204	-119	-276	2208(100%)
16	2017/秋	P	59	126	94	108	13.4	26.0	16.4	22.7	154	-202	-127	-310	2184(100%)
17	2017/年	P	53	126	83	101	14.5	28.0	19.6	25.3	573	-212	-119	-310	8760(100%)

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表3.6a　2017年屏東海域 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	F	54	96	85	95	16.4	25.0	24.7	25.0	44	24	97	-39	744(100%)
2	2017/01	F	54	119	95	112	13.0	25.0	16.8	21.2	56	15	95	-43	744(100%)
3	2017/02	F	49	93	72	91	14.6	28.0	20.2	25.8	45	24	94	-26	672(100%)
4	2017/03	F	51	82	69	79	14.4	26.0	19.5	25.2	51	30	88	-12	744(100%)
5	2017/04	F	54	84	67	77	15.1	27.0	21.7	25.8	47	29	88	-25	720(100%)
6	2017/05	F	55	96	77	87	16.4	25.0	24.3	25.0	45	23	97	-33	744(100%)
7	2017/06	F	46	81	72	79	15.5	26.0	22.4	25.3	41	34	110	-28	706(98%)
8	2017/07	F	44	86	74	85	16.3	27.0	23.6	25.7	33	34	107	-20	705(95%)
9	2017/08	F	52	97	80	90	17.1	27.0	24.9	26.0	37	40	114	-9	708(95%)
10	2017/09	F	54	93	82	90	18.4	26.0	25.2	25.7	33	39	97	-3	674(94%)
11	2017/10	F	55	95	81	90	17.4	26.0	24.8	25.3	30	43	103	-5	701(94%)
12	2017/11	F	65	121	103	118	14.9	26.0	21.1	25.5	26	27	100	-25	670(93%)
13	2017/冬	F	53	119	85	103	14.5	28.0	20.3	25.2	145	21	97	-43	2160(100%)
14	2017/春	F	53	96	71	81	15.2	27.0	21.8	25.3	143	28	97	-33	2208(100%)
15	2017/夏	F	47	97	75	85	16.3	27.0	23.9	25.5	111	36	114	-28	2119(96%)
16	2017/秋	F	58	121	88	105	17.0	26.0	24.9	25.5	89	36	103	-25	2045(94%)
17	2017/年	F	52	121	79	95	15.6	28.0	22.6	25.4	488	30	114	-43	8532(97%)

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表3.6b　2017年屏東海域 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	F	54	96	85	95	16.4	25.0	24.7	25.0	44	24	97	-39	744(100%)
2	2017/01	F	54	119	95	112	13.0	25.0	16.8	21.2	56	15	95	-43	744(100%)
3	2017/02	F	49	93	72	91	14.6	28.0	20.2	25.8	45	24	94	-26	672(100%)
4	2017/03	F	51	82	69	79	14.4	26.0	19.5	25.2	51	30	88	-12	744(100%)
5	2017/04	F	54	84	67	77	15.1	27.0	21.7	25.8	47	29	88	-25	720(100%)
6	2017/05	F	55	96	77	87	16.4	25.0	24.3	25.0	45	23	97	-33	744(100%)
7	2017/06	F	48	89	73	82	15.9	26.0	23.4	25.5	43	33	110	-34	720(100%)
8	2017/07	F	47	100	82	98	15.3	25.0	21.4	24.8	43	34	107	-20	744(100%)
9	2017/08	F	51	88	73	83	14.5	26.0	19.4	25.3	47	39	114	-9	744(100%)
10	2017/09	F	55	99	84	93	15.1	26.0	21.4	25.3	41	39	98	-6	720(100%)
11	2017/10	F	58	98	82	91	14.5	26.0	19.5	25.8	48	43	107	-5	744(100%)
12	2017/11	F	59	121	93	115	14.7	26.0	20.1	25.8	41	27	100	-25	720(100%)
13	2017/冬	F	53	119	85	103	14.5	28.0	20.3	25.2	145	21	97	-43	2160(100%)
14	2017/春	F	53	96	71	81	15.2	27.0	21.8	25.3	143	28	97	-33	2208(100%)
15	2017/夏	F	48	100	76	89	15.2	26.0	21.3	25.2	133	36	114	-34	2208(100%)
16	2017/秋	F	57	121	86	102	14.8	26.0	20.2	25.5	130	36	107	-25	2184(100%)
17	2017/年	F	53	121	80	96	14.9	28.0	20.9	25.3	551	30	114	-43	8760(100%)

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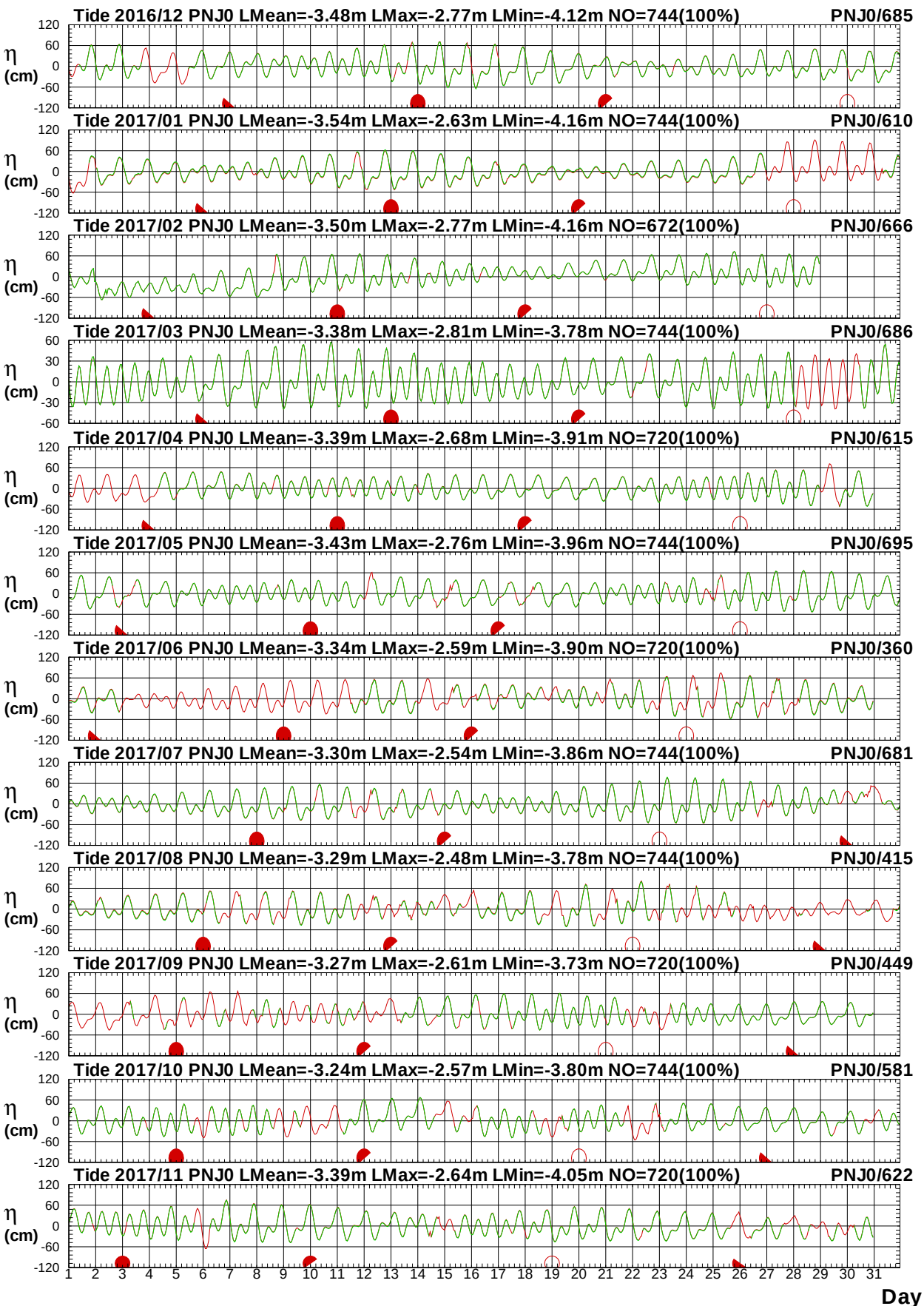

圖3.35　2017年每月屏東海域 J 站修補前後之潮位比較圖

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T173PNJ0.1HA T173PNJ0.1H0 T174PNJ0.1HA T174PNJ0.1H0 T175PNJ0.1HA T175PNJ0.1H0

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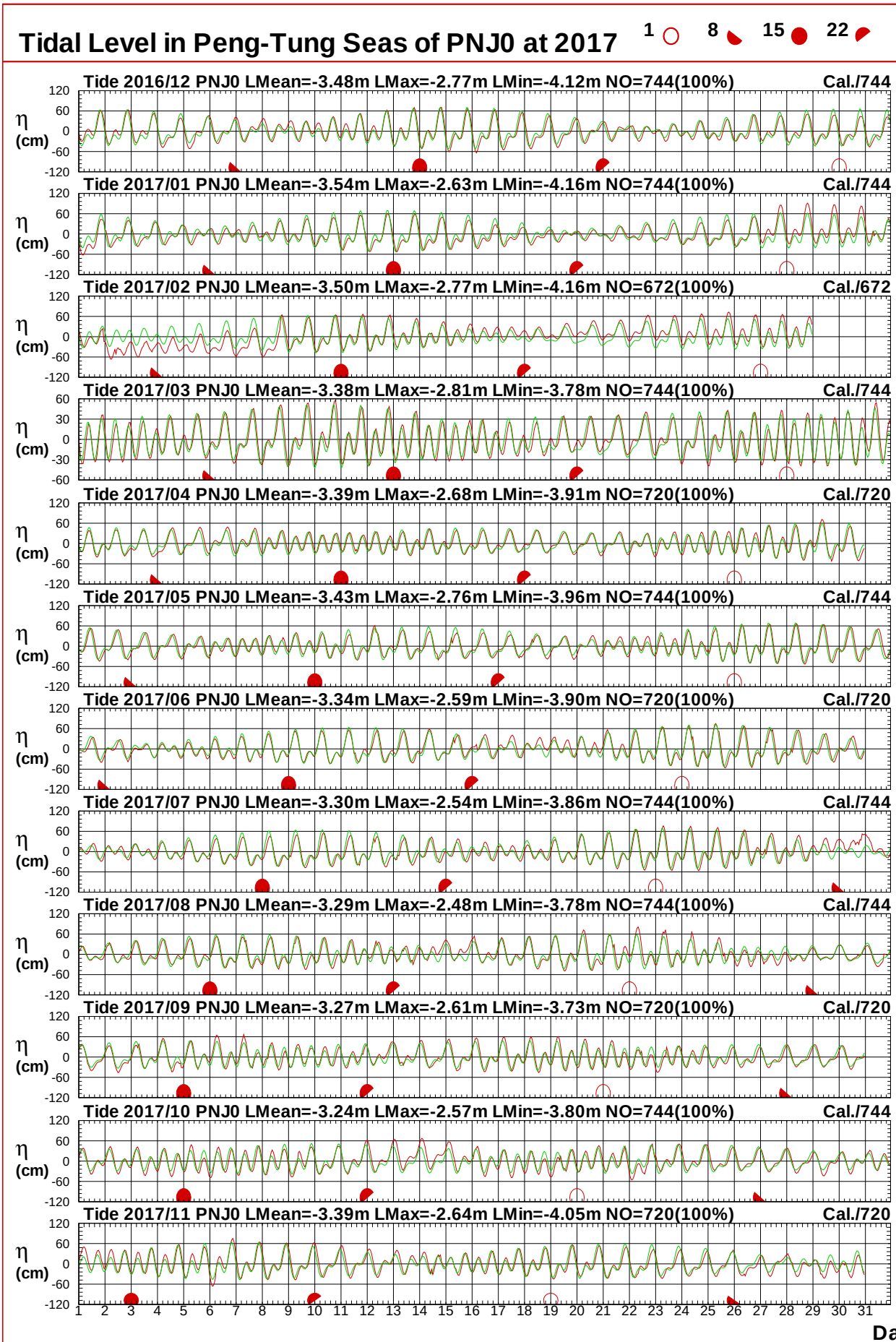

圖3.36　2017年每月屏東海域 J 站潮位歷線圖 (綠線: 天文潮)

T16CPNJ0.1HA T16CPNT0.1HC T171PNJ0.1HA T171PNT0.1HC T172PNJ0.1HA T172PNT0.1HC
T173PNJ0.1HA T173PNT0.1HC T174PNJ0.1HA T174PNT0.1HC T175PNJ0.1HA T175PNT0.1HC

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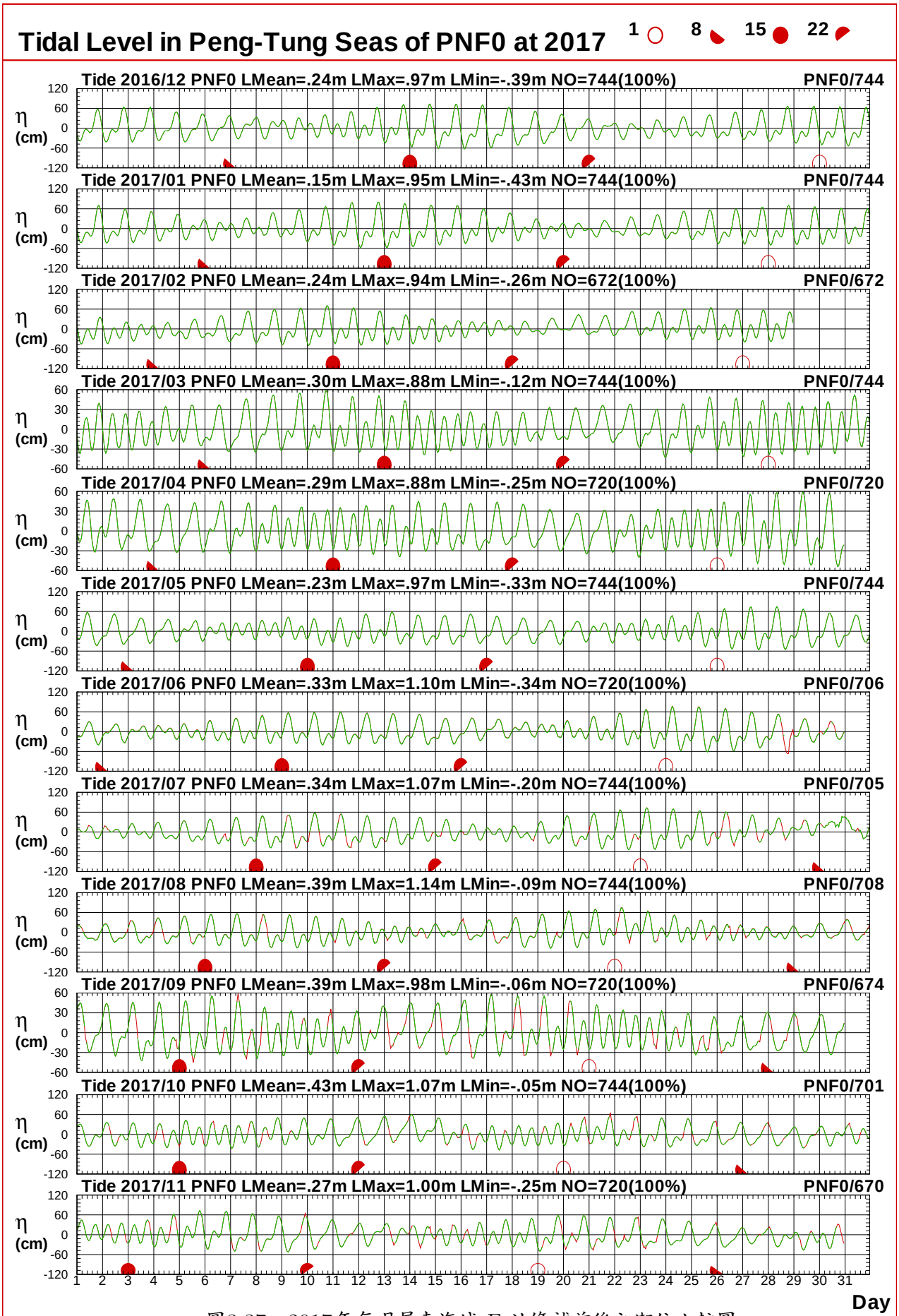

圖3.37　2017年每月屏東海域 F 站修補前後之潮位比較圖

T16CPNF0.1HA T16CPNF0.1H0 T171PNF0.1HA T171PNF0.1H0 T172PNF0.1HA T172PNF0.1H0
T173PNF0.1HA T173PNF0.1H0 T174PNF0.1HA T174PNF0.1H0 T175PNF0.1HA T175PNF0.1H0

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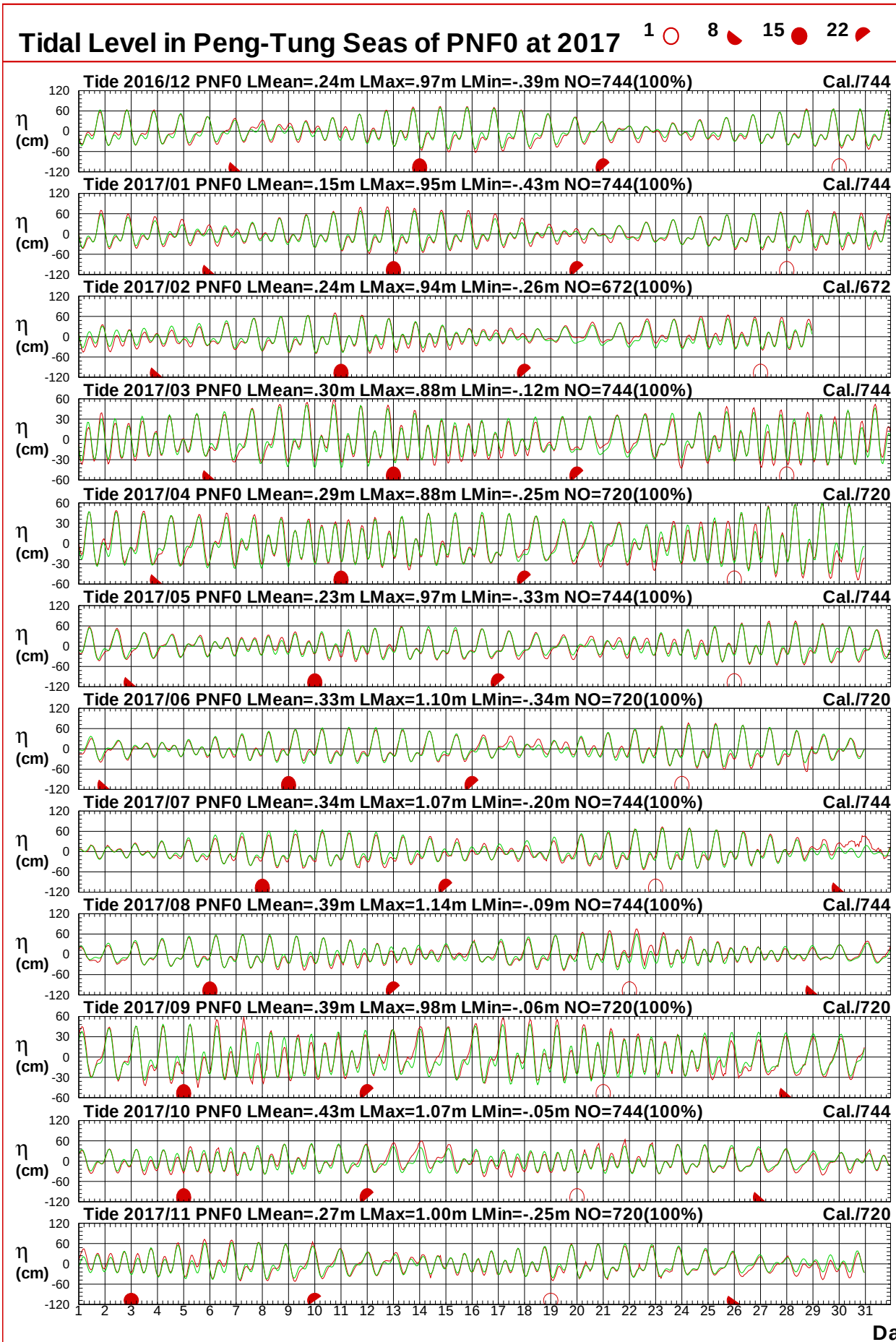

圖3.38　2017年每月屏東海域 F 站潮位歷線圖 (線線: 天文潮)

T16CPNF0.1HA T16CPNT0.1HC T171PNF0.1HA T171PNT0.1HC T172PNF0.1HA T172PNT0.1HC
T173PNF0.1HA T173PNT0.1HC T174PNF0.1HA T174PNT0.1HC T175PNF0.1HA T175PNT0.1HC

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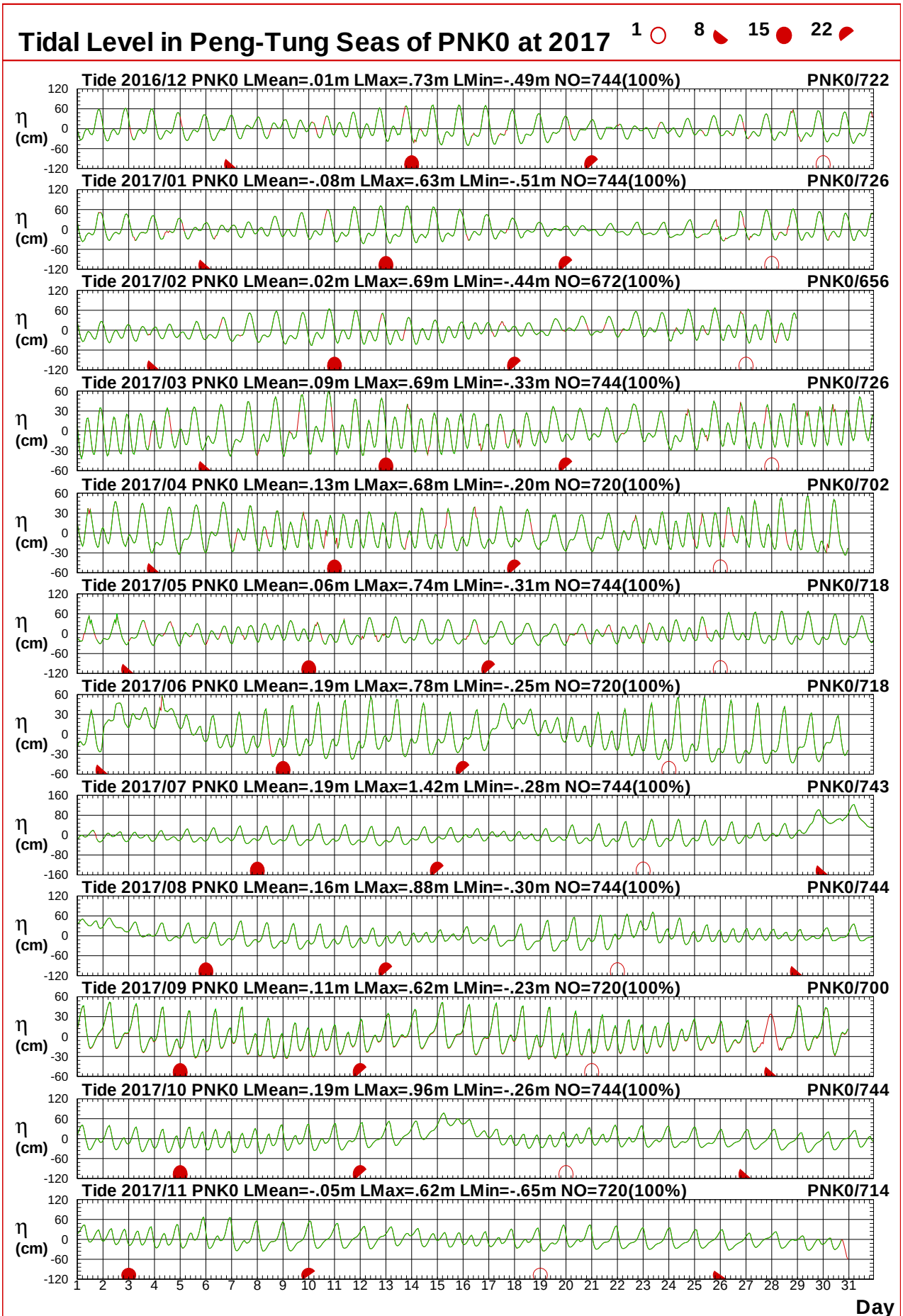

圖3.39　2017年每月屏東海域 K 站修補前後之潮位比較圖

T16CPNK0.1HA T16CPNK0.1H0 T171PNK0.1HA T171PNK0.1H0 T172PNK0.1HA T172PNK0.1H0
T173PNK0.1HA T173PNK0.1H0 T174PNK0.1HA T174PNK0.1H0 T175PNK0.1HA T175PNK0.1H0

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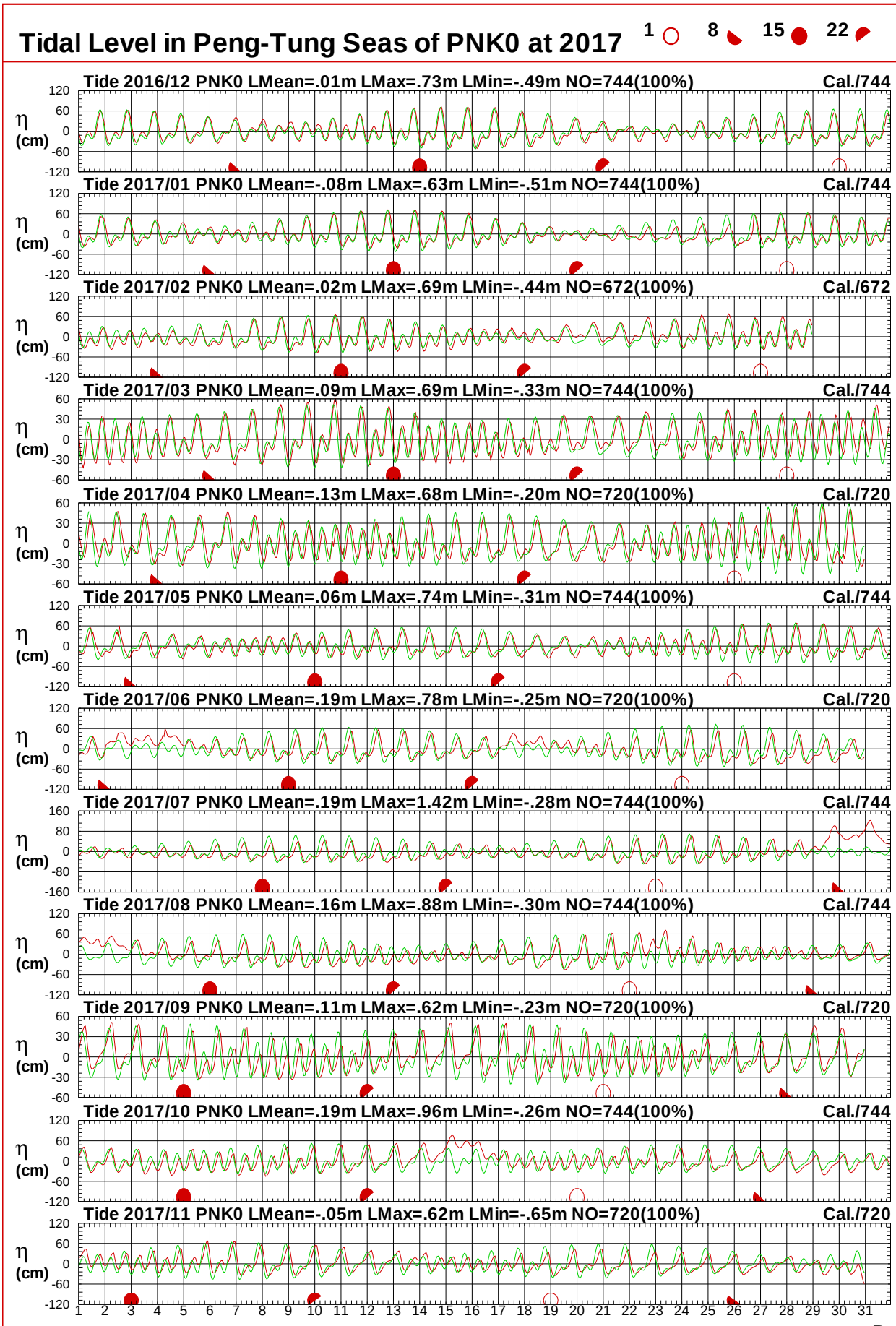

圖3.40　2017年每月屏東海域 K 站潮位歷線圖 (綠線: 天文潮)

T16CPNK0.1HA T16CPNT0.1HC T171PNK0.1HA T171PNT0.1HC T172PNK0.1HA T172PNT0.1HC
T173PNK0.1HA T173PNT0.1HC T174PNK0.1HA T174PNT0.1HC T175PNK0.1HA T175PNT0.1HC

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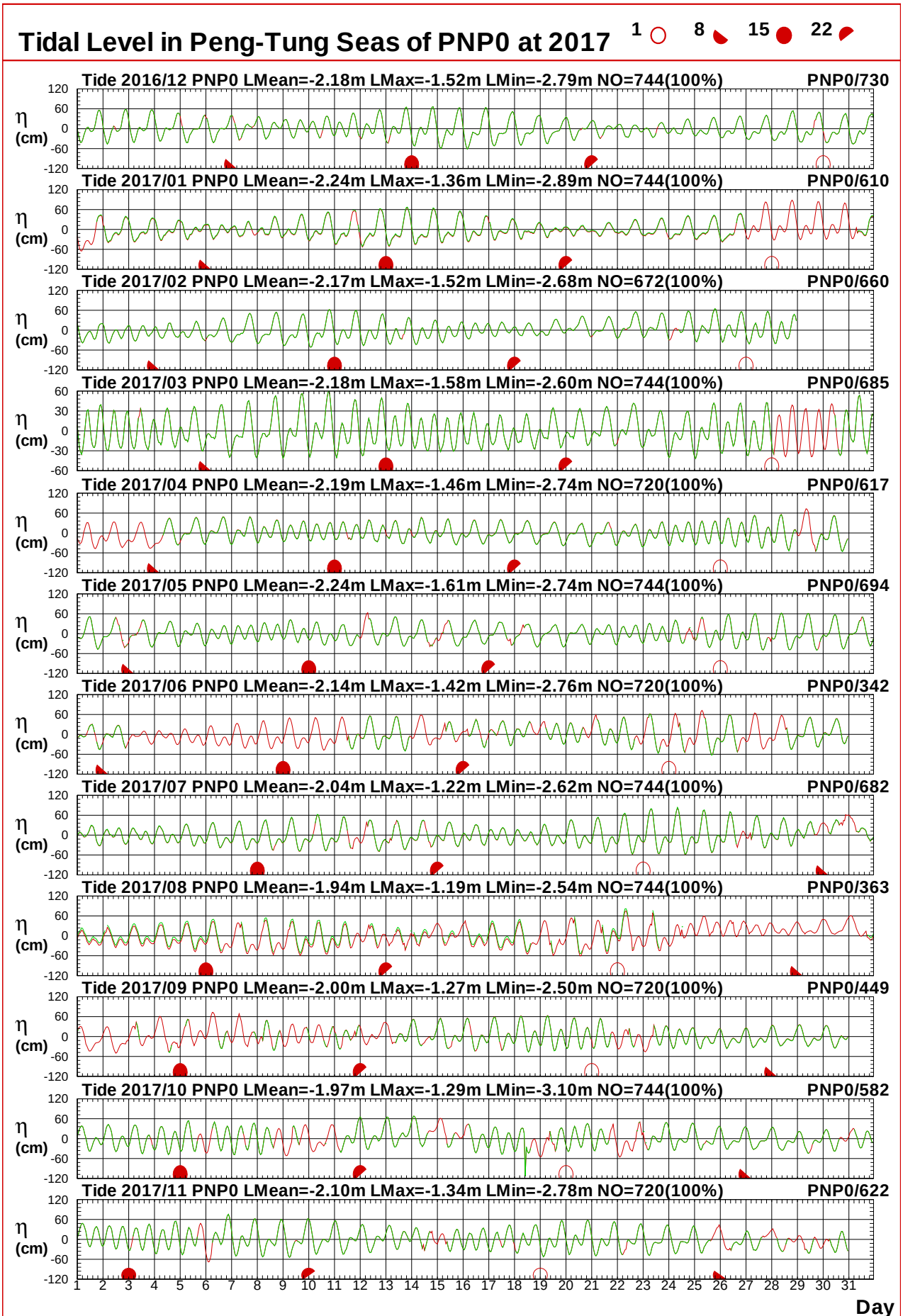

圖3.41　2017年每月屏東海域 P 站修補前後之潮位比較圖

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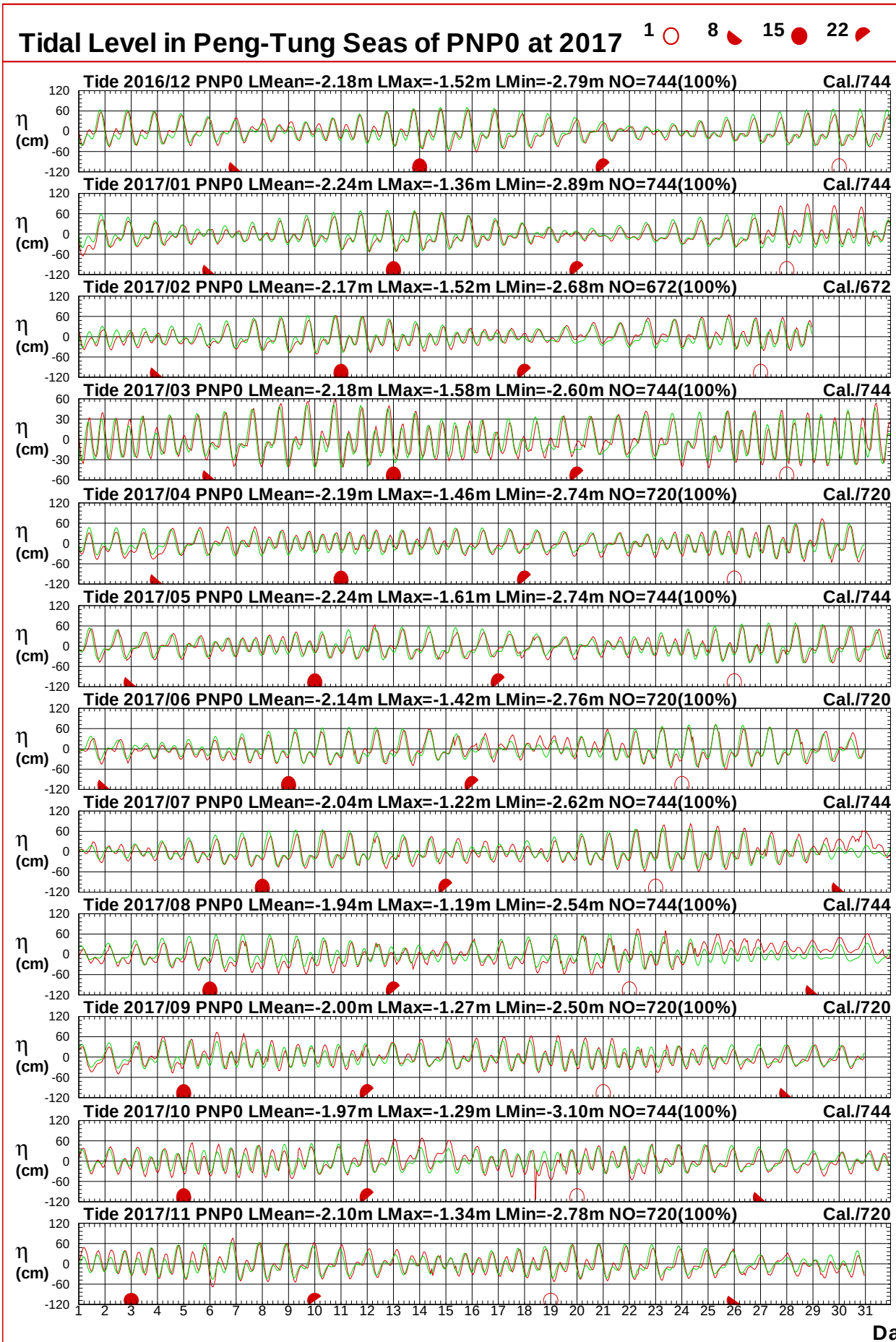

圖3.42　2017年每月屏東海域 P 站潮位歷線圖 (綠線: 天文潮)

T16CPNP0.1HA T16CPNT0.1HC T171PNP0.1HA T171PNT0.1HC T172PNP0.1HA T172PNT0.1HC
T173PNP0.1HA T173PNT0.1HC T174PNP0.1HA T174PNT0.1HC T175PNP0.1HA T175PNT0.1HC

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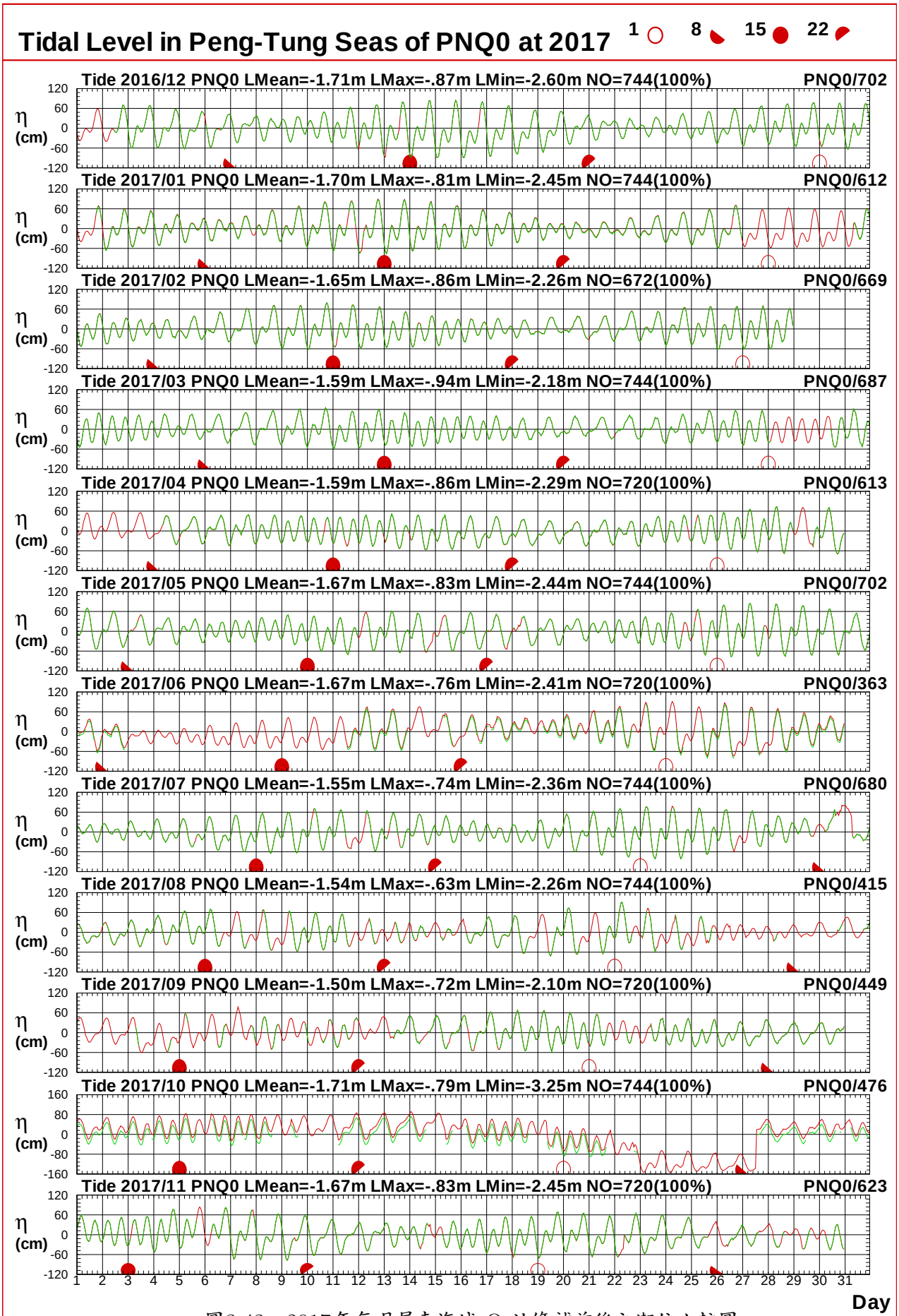

圖3.43　2017年每月屏東海域 Q 站修補前後之潮位比較圖

T16CPNQ0.1HA T16CPNQ0.1H0 T171PNQ0.1HA T171PNQ0.1H0 T172PNQ0.1HA T172PNQ0.1H0
T173PNQ0.1HA T173PNQ0.1H0 T174PNQ0.1HA T174PNQ0.1H0 T175PNQ0.1HA T175PNQ0.1H0

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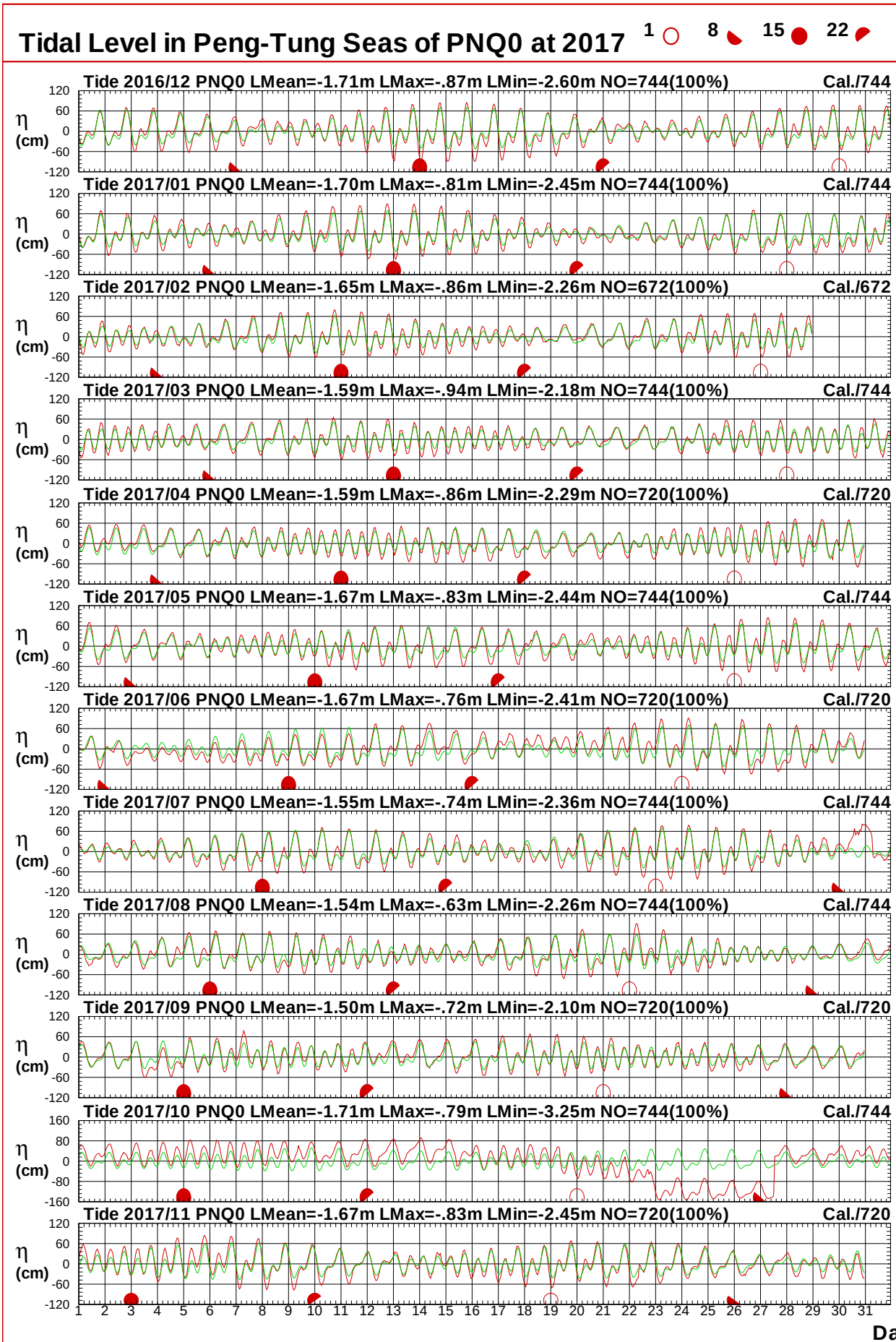

圖3.44　2017年每月屏東海域 Q 站潮位歷線圖 (綠線: 天文潮)

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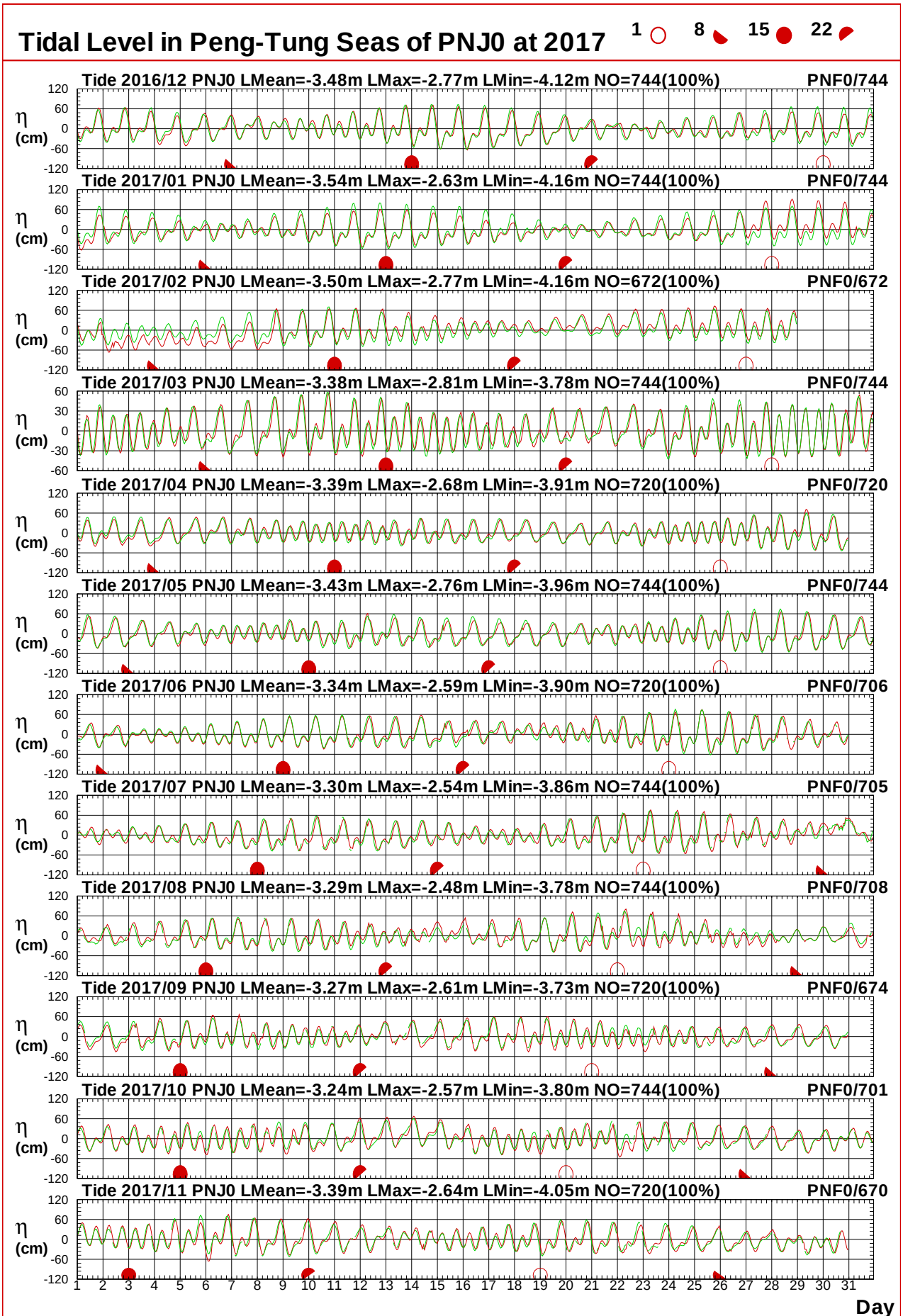

圖3.45　2017年每月屏東海域 J 站與 F 站潮位比較圖

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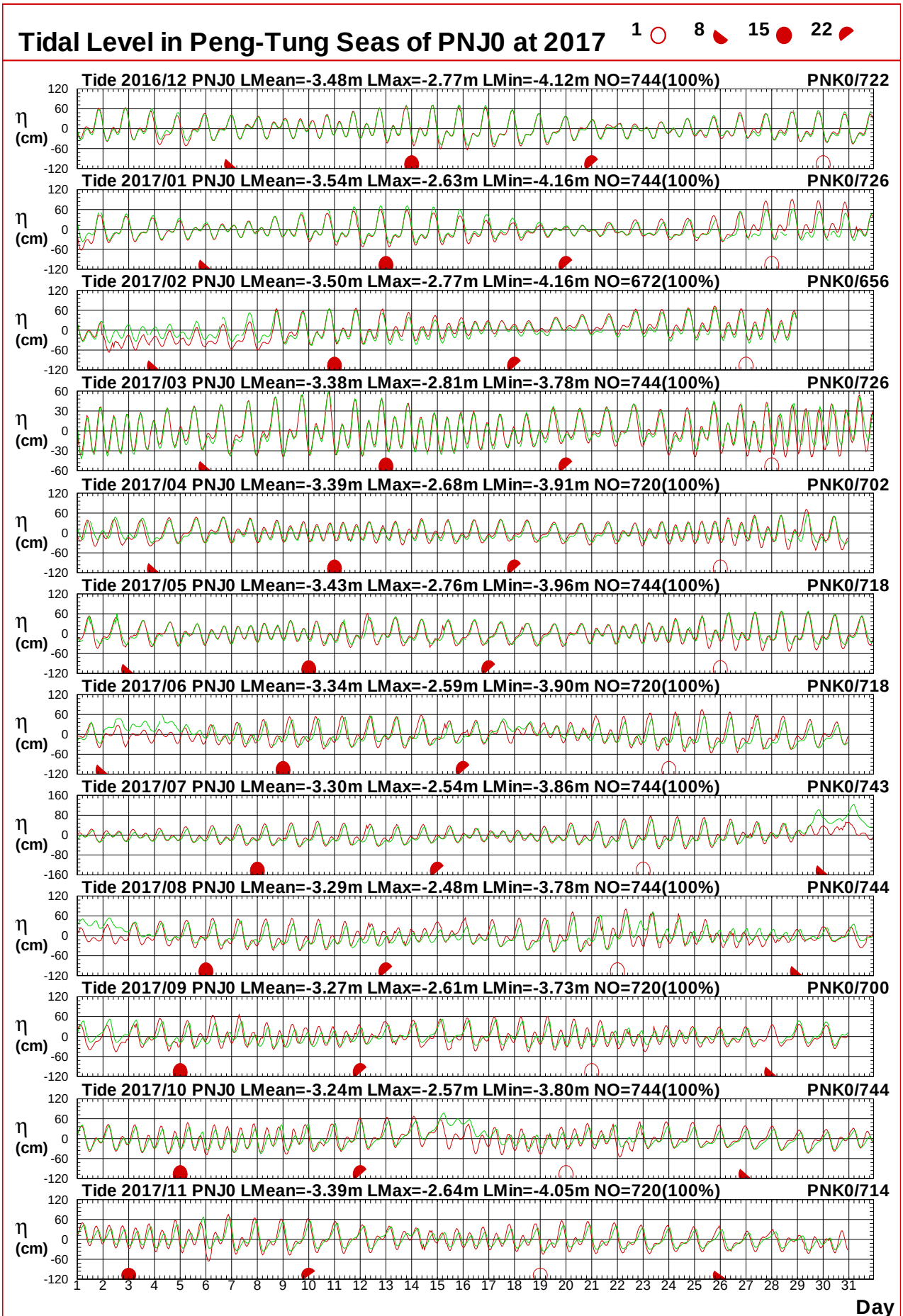

圖3.46　2017年每月屏東海域 J 站與 K 站潮位比較圖

T16CPNJ0.1HA T16CPNK0.1H0 T171PNJ0.1HA T171PNK0.1H0 T172PNJ0.1HA T172PNK0.1H0
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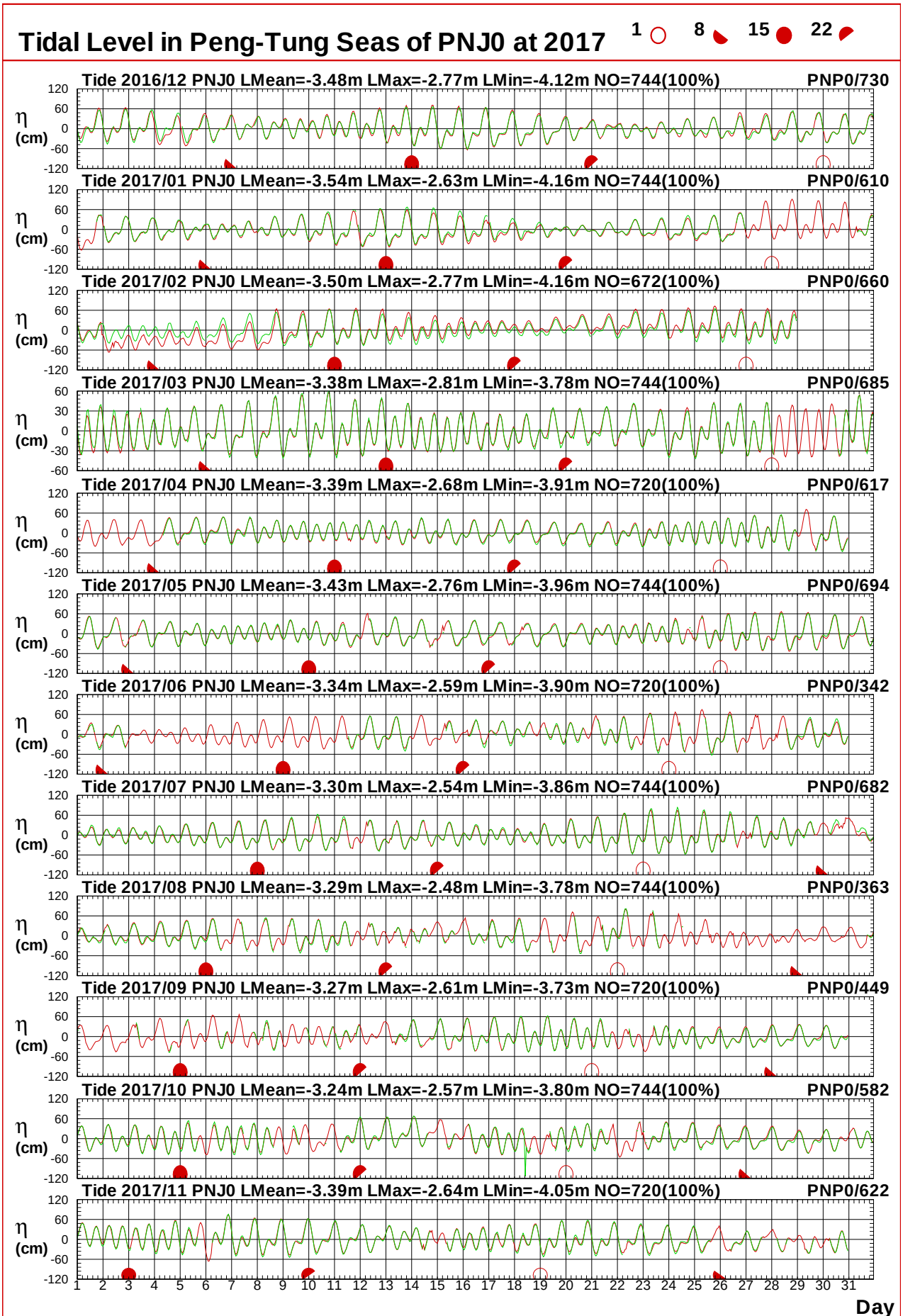

圖3.47　2017年每月屏東海域 J 站與 P 站潮位比較圖

T16CPNJ0.1HA T16CPNP0.1H0 T171PNJ0.1HA T171PNP0.1H0 T172PNJ0.1HA T172PNP0.1H0
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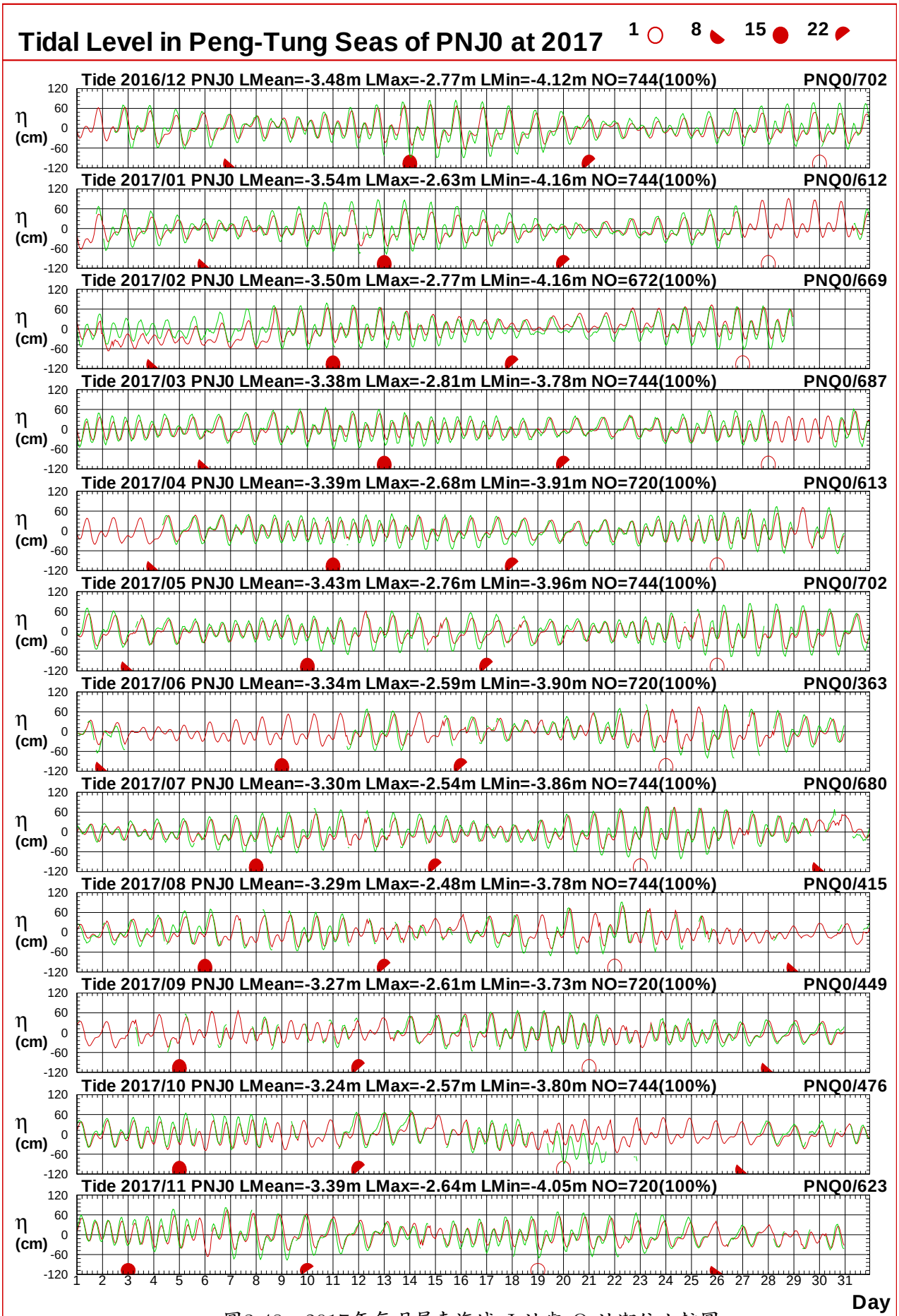

圖3.48　2017年每月屏東海域 J 站與 Q 站潮位比較圖

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T173PNJ0.1HA T173PNQ0.1H0 T174PNJ0.1HA T174PNQ0.1H0 T175PNJ0.1HA T175PNQ0.1H0

Institute of Harbor & Marine Technology

第四章　2017 年屏東海域觀測海流資料

屏東海域海流之觀測包括**測站 Y 及測站 Z 等** 2 個測站(測站位置如第 O 章圖 CJ1)。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年每月屏東海域各測站觀測海流資料紀錄表

海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域
年月/測站	Z	Y									
2016/12 月	737(99.1%)	*	*	*	*	*	*	*	*	*	*	*
2017/ 1 月	730(98.1%)	*	*	*	*	*	*	*	*	*	*	*
2017/ 2 月	672(100%)	*	*	*	*	*	*	*	*	*	*	*
2017/ 3 月	744(100%)	*	*	*	*	*	*	*	*	*	*	*
2017/ 4 月	696(96.7%)	*	*	*	*	*	*	*	*	*	*	*
2017/ 5 月	737(99.1%)	*	*	*	*	*	*	*	*	*	*	*
2017/ 6 月	699(97.1%)	*	*	*	*	*	*	*	*	*	*	*
2017/ 7 月	722(97.0%)	*	*	*	*	*	*	*	*	*	*	*
2017/ 8 月	744(100%)	*	*	*	*	*	*	*	*	*	*	*
2017/ 9 月	715(99.3%)	*	*	*	*	*	*	*	*	*	*	*
2017/10 月	740(99.5%)	*	*	*	*	*	*	*	*	*	*	*
2017/11 月	711(98.8%)	*	*	*	*	*	*	*	*	*	*	*
2017/冬季	2139(99.0%)	*	*	*	*	*	*	*	*	*	*	*
2017/春季	2177(98.6%)	*	*	*	*	*	*	*	*	*	*	*
2017/夏季	2165(98.1%)	*	*	*	*	*	*	*	*	*	*	*
2017/秋季	2166(99.2%)	*	*	*	*	*	*	*	*	*	*	*
2017/整年	8647(98.7%)	*	*	*	*	*	*	*	*	*	*	*
起始年月	2016/12	*	*	*	*	*	*	*	*	*	*	*
結束年月	2017/11	*	*	*	*	*	*	*	*	*	*	*

表4.1b 2017年每月屏東海域計算潮流各測站資料紀錄表

海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域
年月/測站	Z	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	*	*	*	*	*	*	*	*	*	*	*

表4.2a　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%

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表4.2b　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%

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表4.2c　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%

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Current Speed in Peng-Tung Seas of PNZ0 at 2017

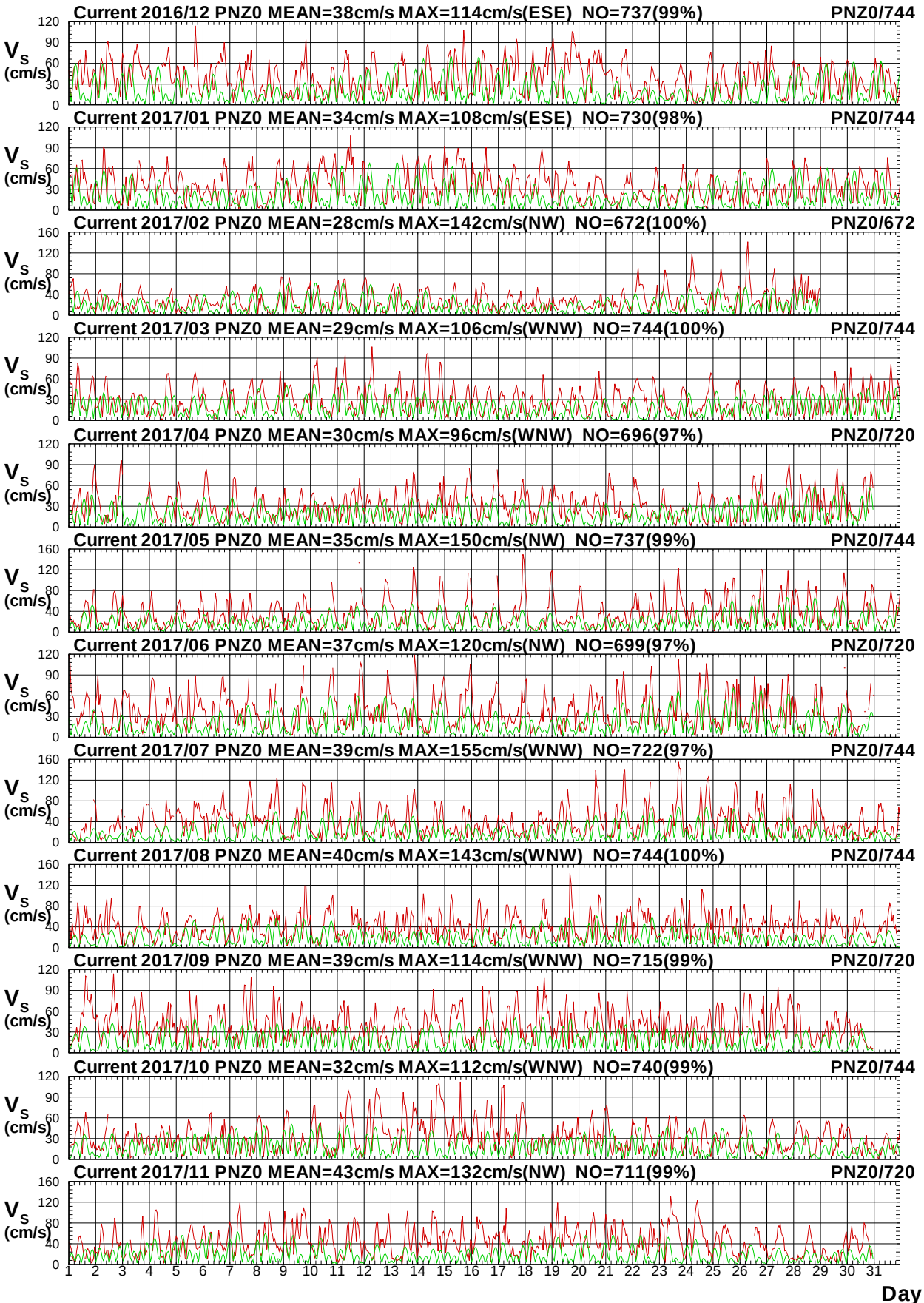

圖4.1a　2017年每月屏東海域 Z 站觀測與潮流流速比較圖

C16CPNZ0.1H0 C16CPNZ0.1HD C171PNZ0.1H0 C171PNZ0.1HD C172PNZ0.1H0 C172PNZ0.1HD
C173PNZ0.1H0 C173PNZ0.1HD C174PNZ0.1H0 C174PNZ0.1HD C175PNZ0.1H0 C175PNZ0.1HD

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Current Direction in Peng-Tung Seas of PNZ0 at 2017

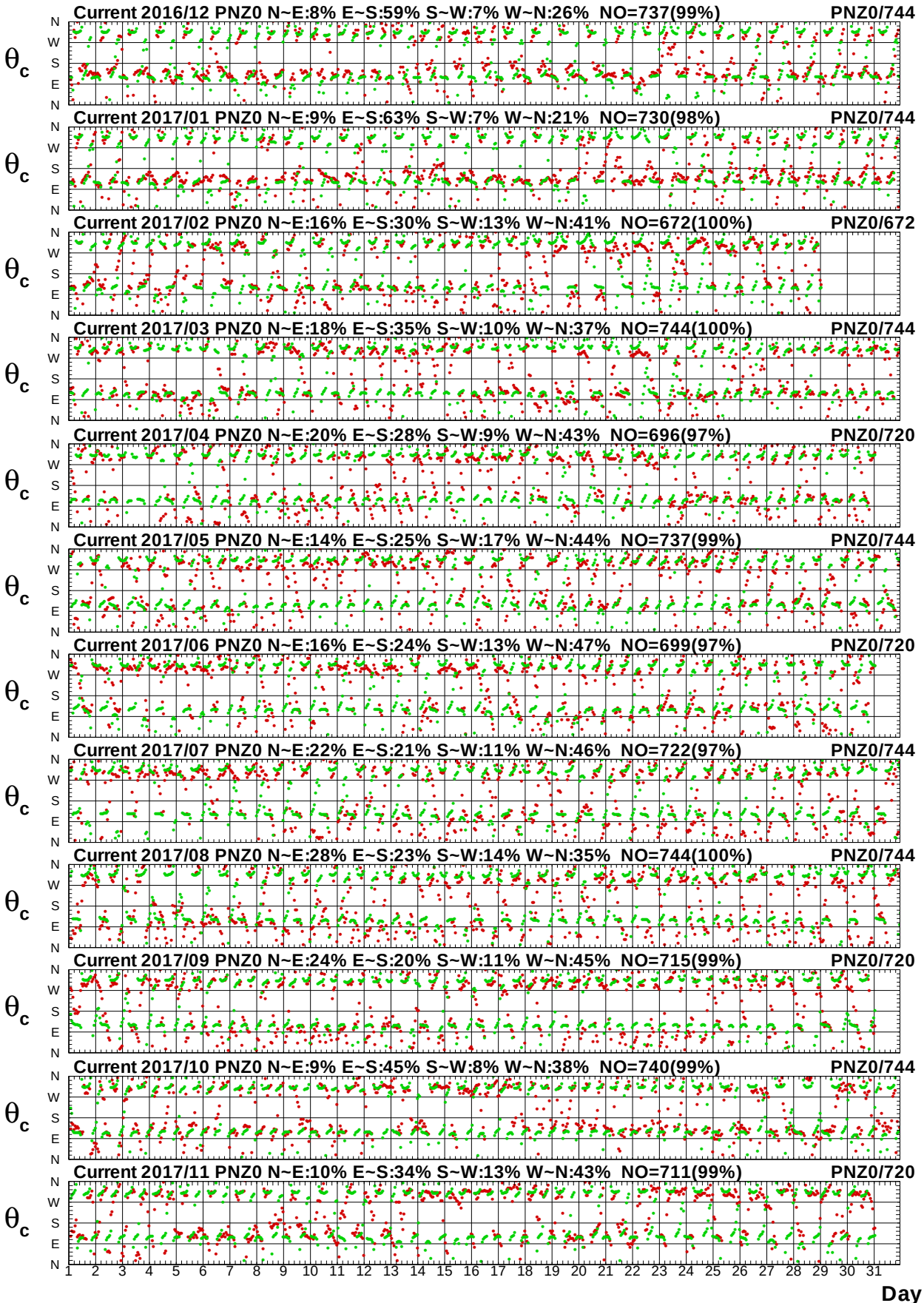

圖4.1b　2017年每月屏東海域 Z 站觀測與潮流流向比較圖

C16CPNZ0.1H0 C16CPNZ0.1HD C171PNZ0.1H0 C171PNZ0.1HD C172PNZ0.1H0 C172PNZ0.1HD
C173PNZ0.1H0 C173PNZ0.1HD C174PNZ0.1H0 C174PNZ0.1HD C175PNZ0.1H0 C175PNZ0.1HD

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Current Speed in Peng-Tung Seas of PNZ0 at 2017

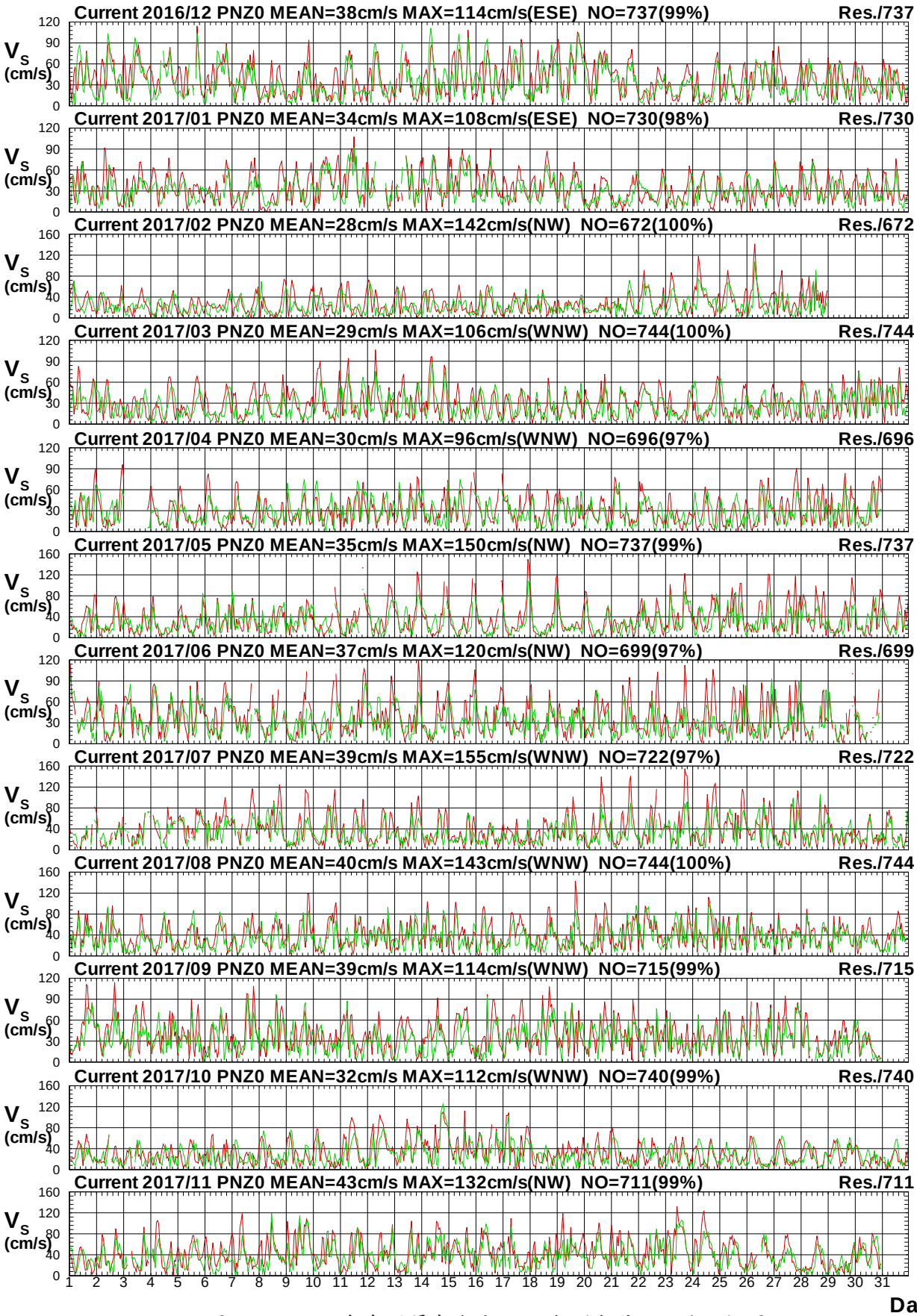

圖4.2a　2017年每月屏東海域 Z 站觀測與殘流流速比較圖

C16CPNZ0.1H0 C16CPNZ0.1HR C171PNZ0.1H0 C171PNZ0.1HR C172PNZ0.1H0 C172PNZ0.1HR
C173PNZ0.1H0 C173PNZ0.1HR C174PNZ0.1H0 C174PNZ0.1HR C175PNZ0.1H0 C175PNZ0.1HR

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Current Direction in Peng-Tung Seas of PNZ0 at 2017

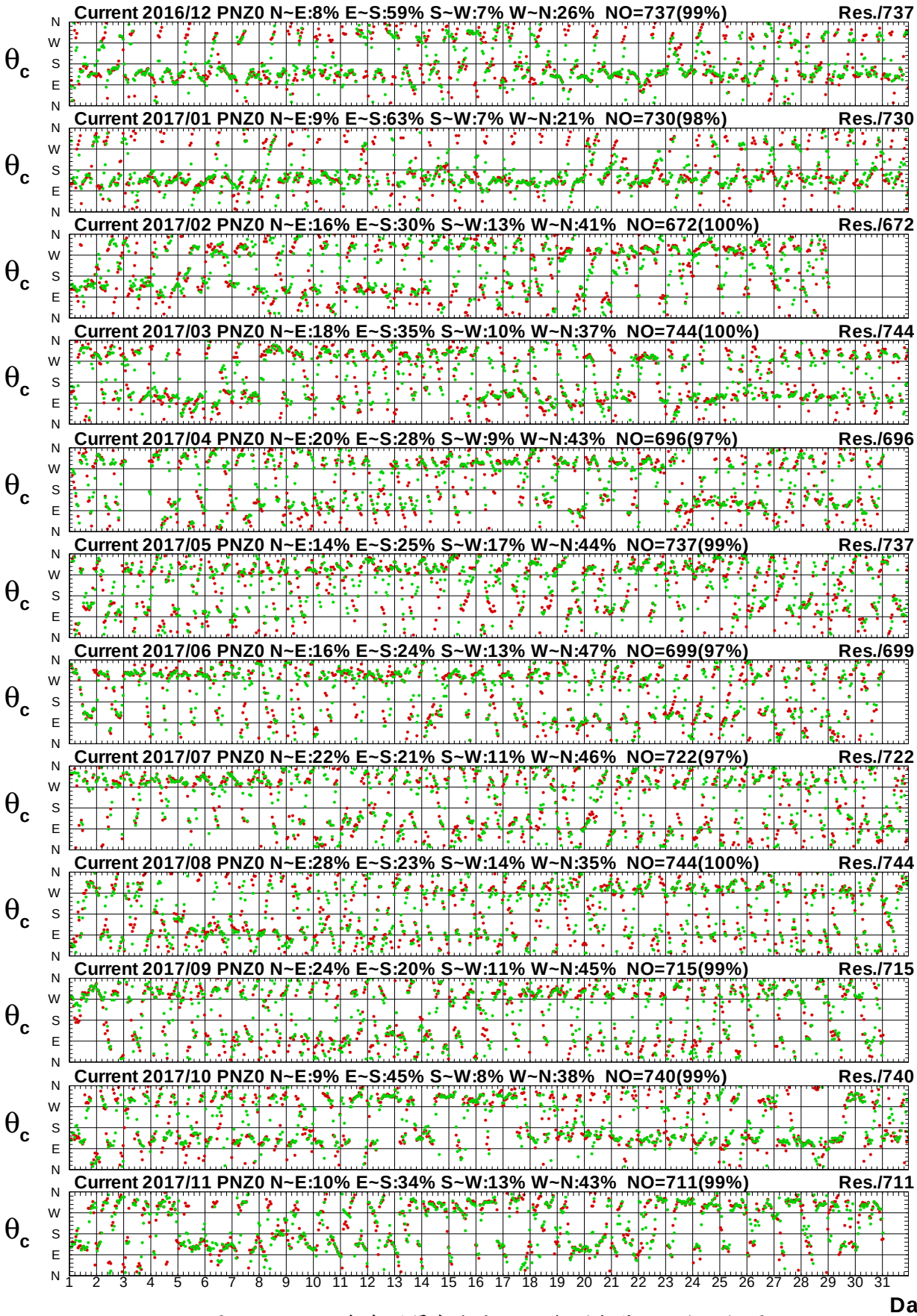

圖4.2b　2017年每月屏東海域 Z 站觀測與殘流流向比較圖

C16CPNZ0.1H0 C16CPNZ0.1HR C171PNZ0.1H0 C171PNZ0.1HR C172PNZ0.1H0 C172PNZ0.1HR
C173PNZ0.1H0 C173PNZ0.1HR C174PNZ0.1H0 C174PNZ0.1HR C175PNZ0.1H0 C175PNZ0.1HR

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Distribution of Current Vectores

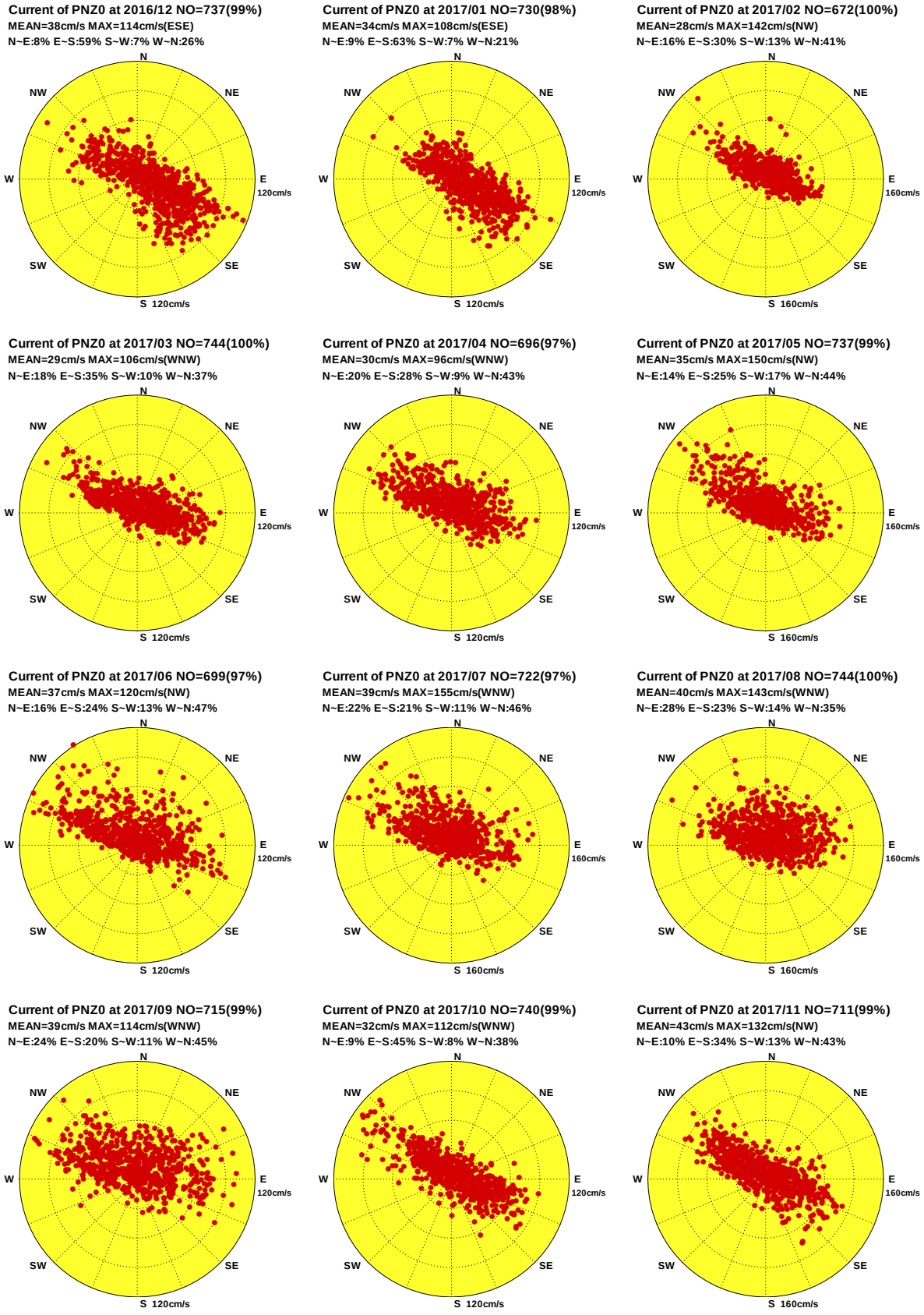


圖4.3a 2017年屏東海域每月測站 Z 觀測海流向量分佈圖

Progressive Vector Diagram of Current

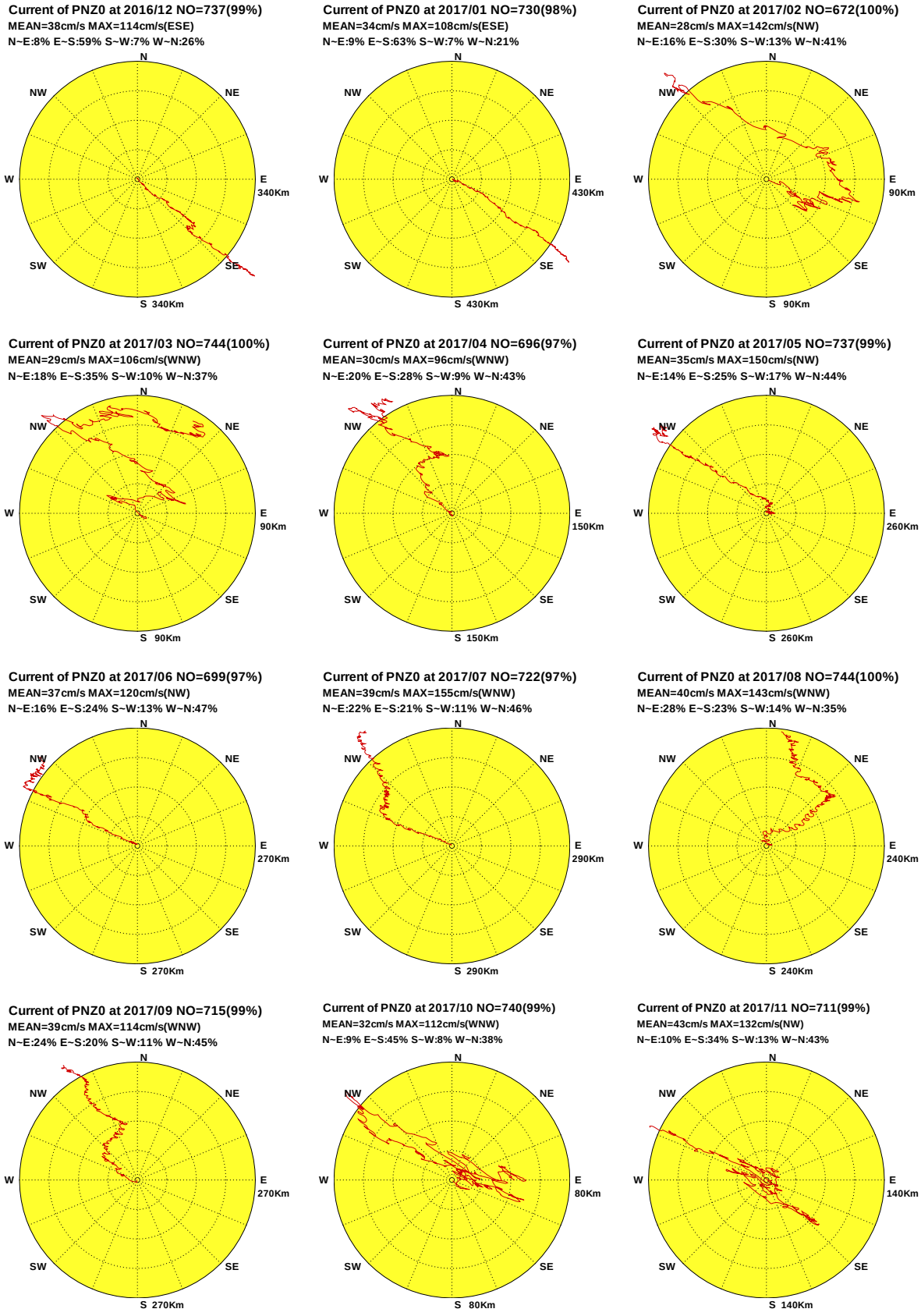


圖4.3b 2017年屏東海域每月測站 Z 觀測海流向量行進圖

Distribution of Current Vectores

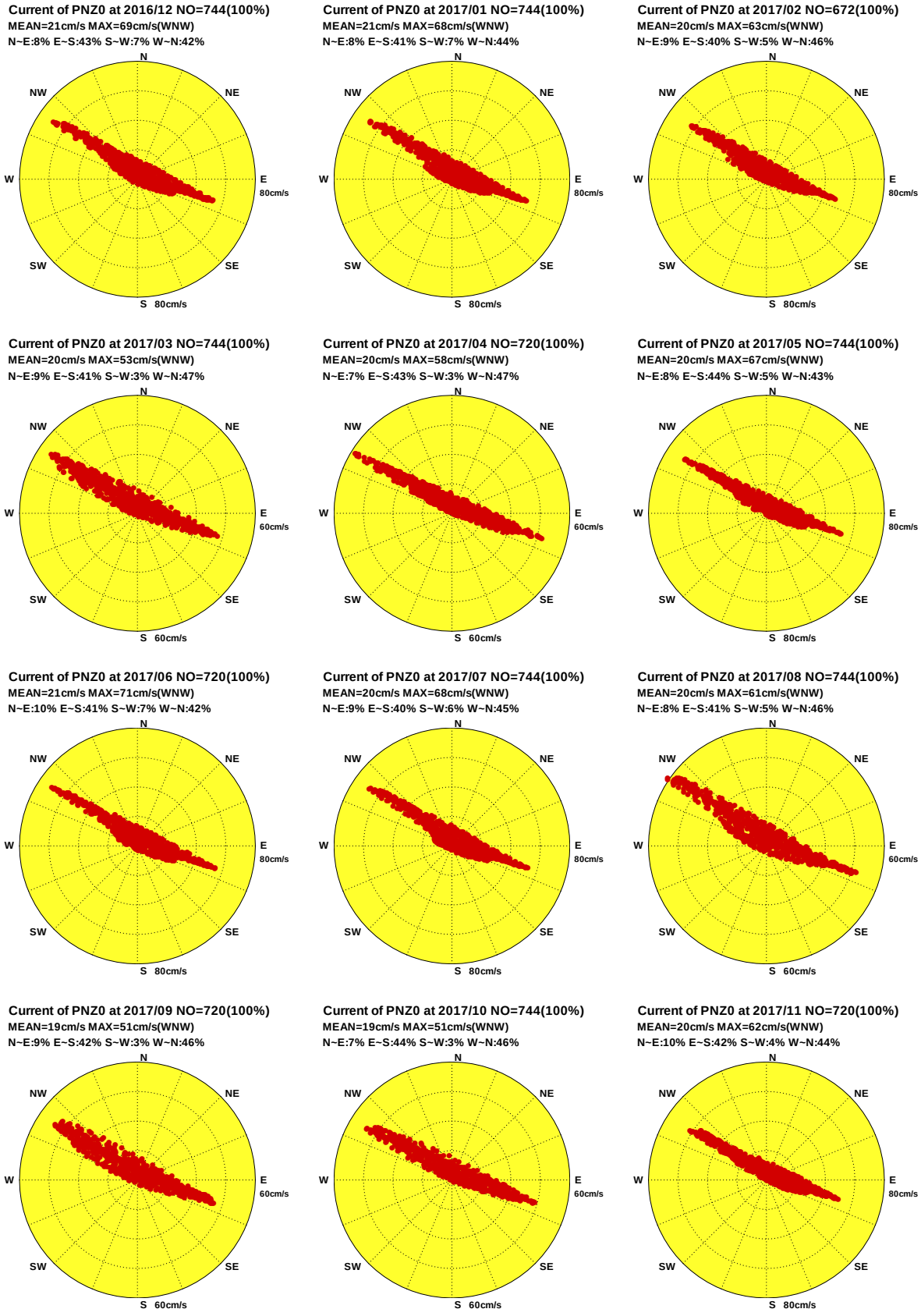
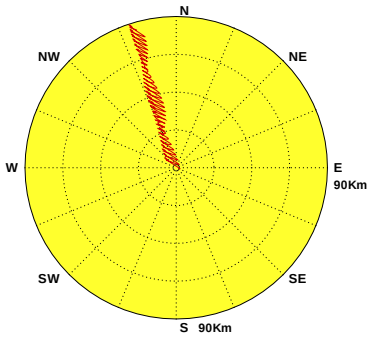


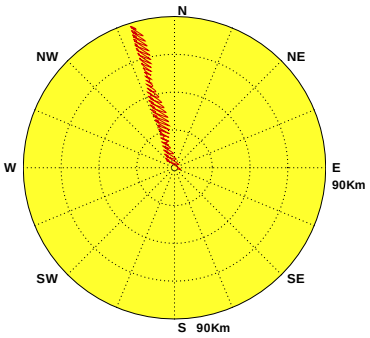
圖4.3c 2017年屏東海域每月測站 Z 計算潮流向量分佈圖

Progressive Vector Diagram of Current

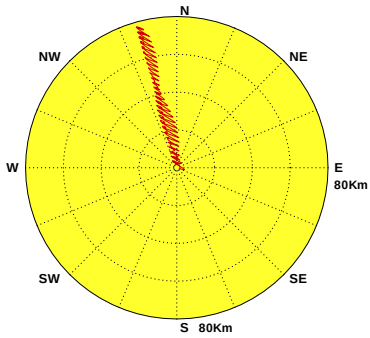
Current of PNZ0 at 2016/12 NO=744(100%)
MEAN=21cm/s MAX=69cm/s(WNW)
N~E:8% E~S:43% S~W:7% W~N:42%



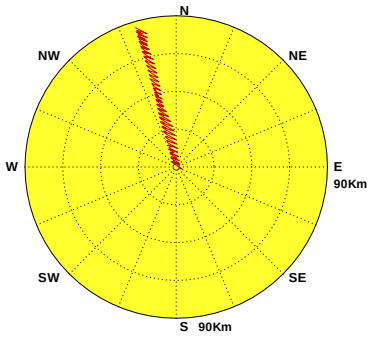
Current of PNZ0 at 2017/01 NO=744(100%)
MEAN=21cm/s MAX=68cm/s(WNW)
N~E:8% E~S:41% S~W:7% W~N:44%



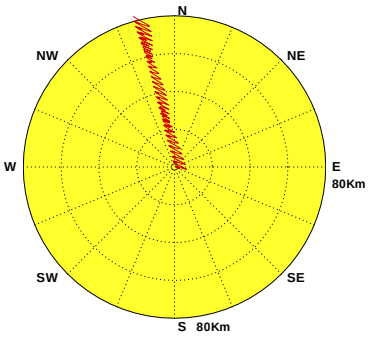
Current of PNZ0 at 2017/02 NO=672(100%)
MEAN=20cm/s MAX=63cm/s(WNW)
N~E:9% E~S:40% S~W:5% W~N:46%



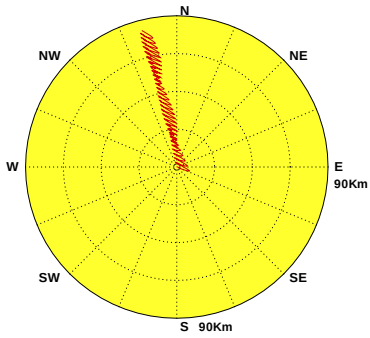
Current of PNZ0 at 2017/03 NO=744(100%)
MEAN=20cm/s MAX=53cm/s(WNW)
N~E:9% E~S:41% S~W:3% W~N:47%



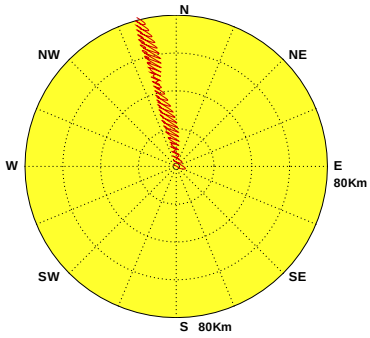
Current of PNZ0 at 2017/04 NO=720(100%)
MEAN=20cm/s MAX=58cm/s(WNW)
N~E:7% E~S:43% S~W:3% W~N:47%



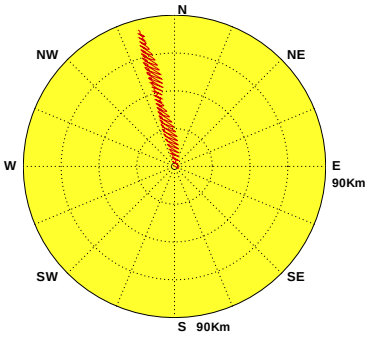
Current of PNZ0 at 2017/05 NO=744(100%)
MEAN=20cm/s MAX=67cm/s(WNW)
N~E:8% E~S:44% S~W:5% W~N:43%



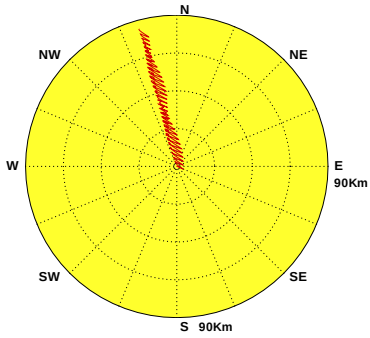
Current of PNZ0 at 2017/06 NO=720(100%)
MEAN=21cm/s MAX=71cm/s(WNW)
N~E:10% E~S:41% S~W:7% W~N:42%



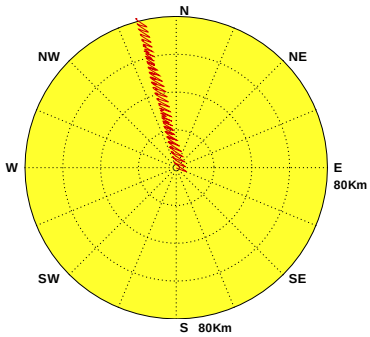
Current of PNZ0 at 2017/07 NO=744(100%)
MEAN=20cm/s MAX=68cm/s(WNW)
N~E:9% E~S:40% S~W:6% W~N:45%



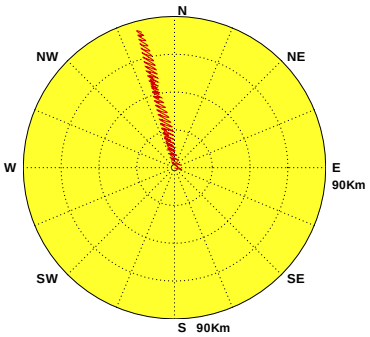
Current of PNZ0 at 2017/08 NO=744(100%)
MEAN=20cm/s MAX=61cm/s(WNW)
N~E:8% E~S:41% S~W:5% W~N:46%



Current of PNZ0 at 2017/09 NO=720(100%)
MEAN=19cm/s MAX=51cm/s(WNW)
N~E:9% E~S:42% S~W:3% W~N:46%



Current of PNZ0 at 2017/10 NO=744(100%)
MEAN=19cm/s MAX=51cm/s(WNW)
N~E:7% E~S:44% S~W:3% W~N:46%



Current of PNZ0 at 2017/11 NO=720(100%)
MEAN=20cm/s MAX=62cm/s(WNW)
N~E:10% E~S:42% S~W:4% W~N:44%

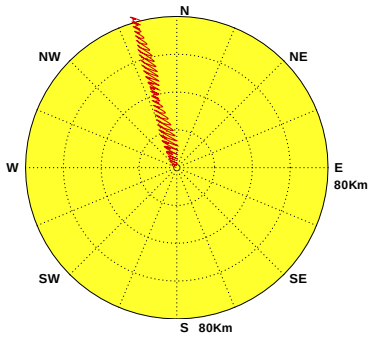


圖4.3d 2017年屏東海域每月測站 Z 計算潮流向量行進圖

C16CPNZ0.1HD C171PNZ0.1HD C172PNZ0.1HD C173PNZ0.1HD C174PNZ0.1HD C175PNZ0.1HD
C176PNZ0.1HD C177PNZ0.1HD C178PNZ0.1HD C179PNZ0.1HD C17APNZ0.1HD C17BPNZ0.1HD

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Distribution of Current Vectores

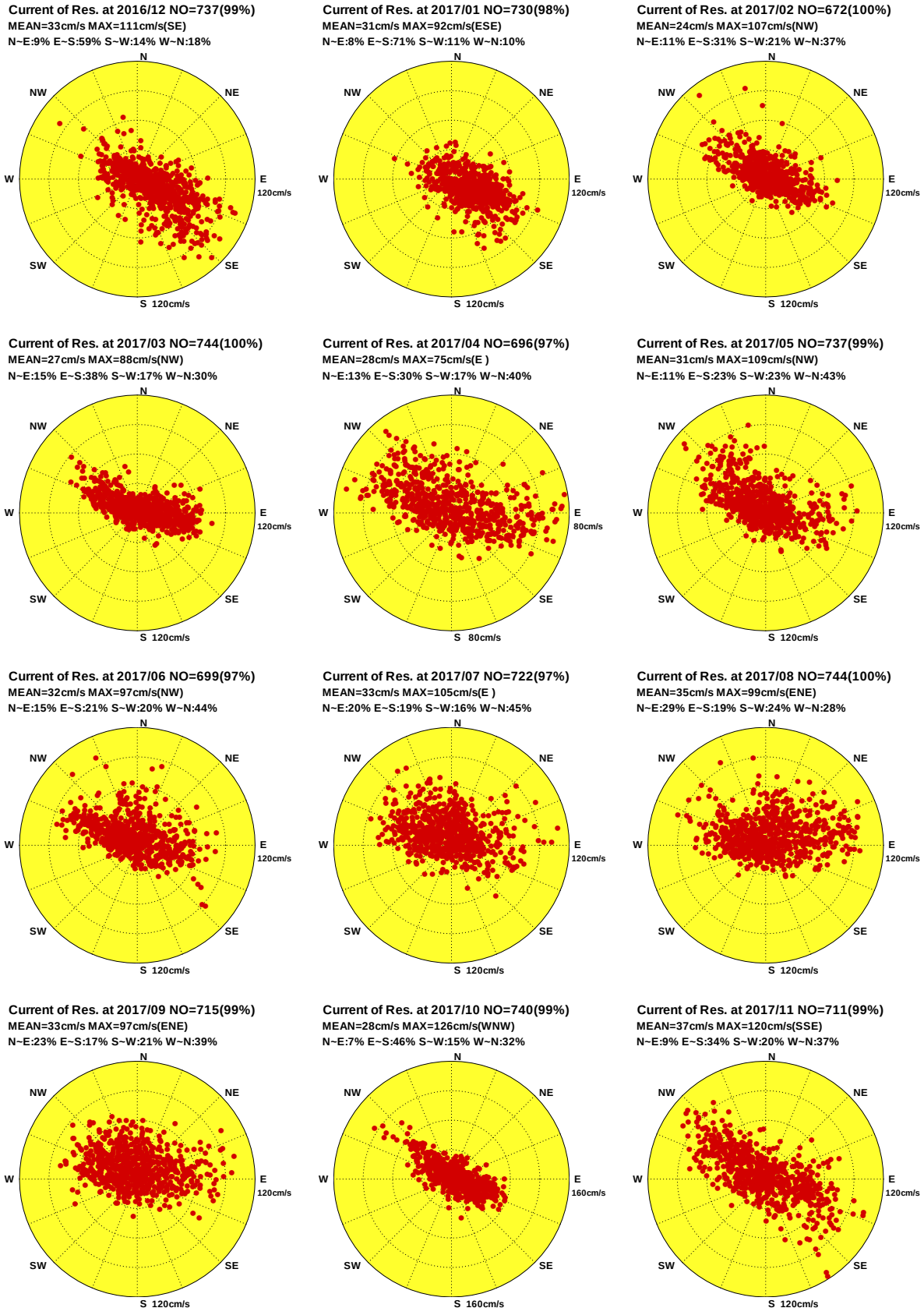

圖4.3e 2017年屏東海域每月測站 Z 計算殘流向量分佈圖

C16CPNZ0.1HR C171PNZ0.1HR C172PNZ0.1HR C173PNZ0.1HR C174PNZ0.1HR C175PNZ0.1HR
C176PNZ0.1HR C177PNZ0.1HR C178PNZ0.1HR C179PNZ0.1HR C17APNZ0.1HR C17BPNZ0.1HR

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Progressive Vector Diagram of Current

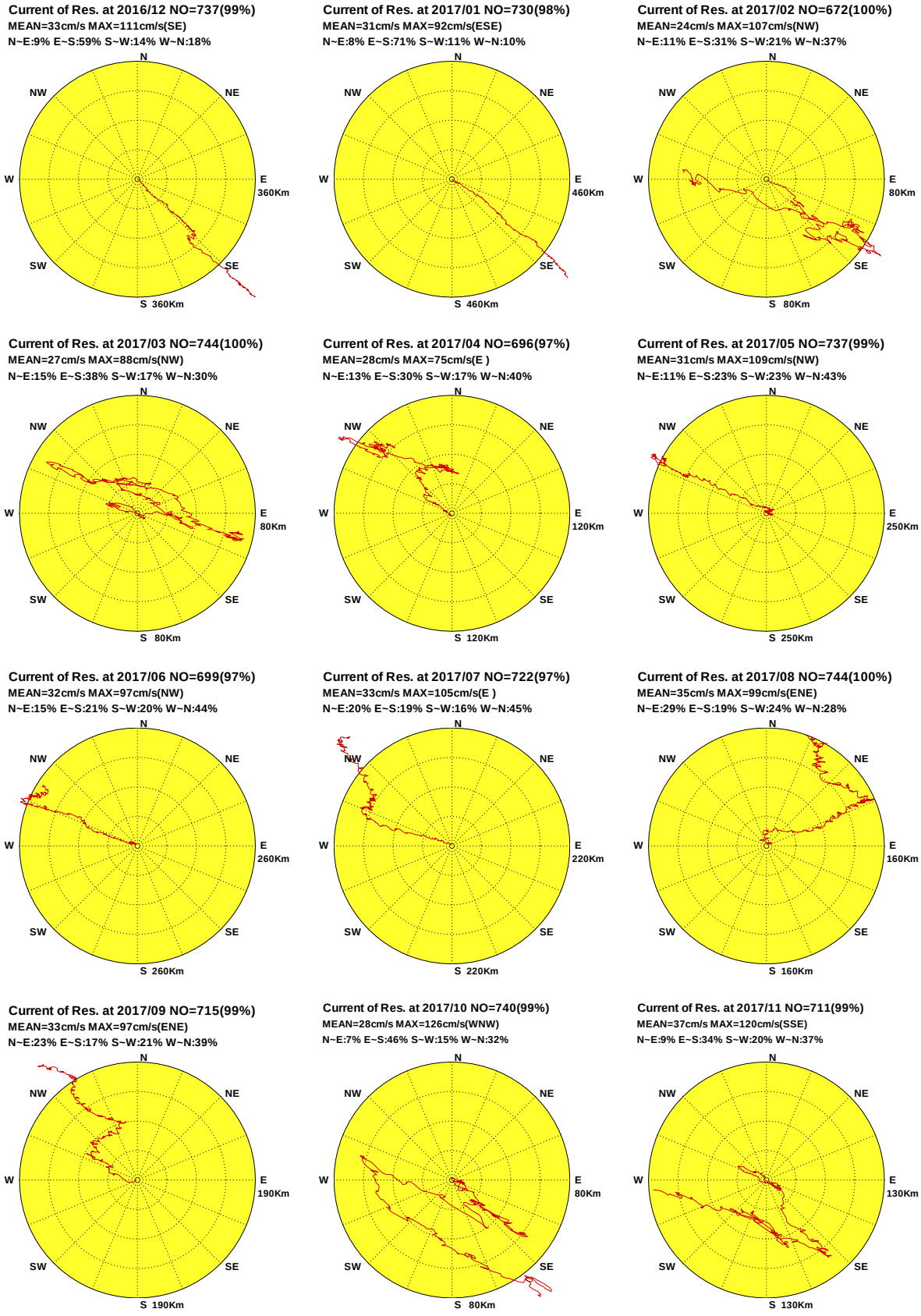

圖4.3f 2017年屏東海域每月測站 Z 計算殘流向量行進圖

C16CPNZ0.1HR C171PNZ0.1HR C172PNZ0.1HR C173PNZ0.1HR C174PNZ0.1HR C175PNZ0.1HR
C176PNZ0.1HR C177PNZ0.1HR C178PNZ0.1HR C179PNZ0.1HR C17APNZ0.1HR C17BPNZ0.1HR

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