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2018 年港灣環境資訊網
海氣象觀測資料年報
(澎湖海域風浪潮流觀測資料)



交通部運輸研究所

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摘要： <p style="text-align: center;">本港灣環境資訊網觀測海氣象資料年報，包括澎湖海域2018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。</p>			
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2018年港灣環境資訊網海氣象觀測資料年報 (澎湖海域風浪潮流觀測資料)

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誌 謝

2018 年港灣環境資訊網觀測風力資料，蒐集之澎湖海域風力資料，除本中心自行觀測之外，在澎湖馬公氣象站(測站 E)、七美海上浮標(測站 R)、東吉島氣象站(測站 I)等觀測風力資料，係交通部 中央氣象局(CWB)提供。澎湖海上浮標(測站 Y)觀測風力資料，係經濟部 水利署(WRA)提供。澎湖馬公港區(測站 H)觀測風力資料，係 港務公司(TIPC)提供，謹致謝忱。

2018 年港灣環境資訊網觀測波浪資料，蒐集之澎湖海域波浪資料，除本中心自行觀測之外，在七美海上浮標(測站 R)、東吉島海上浮標(測站 Z) 等觀測波浪資料，係交通部 中央氣象局(CWB)提供。澎湖海上浮標(測站 Y)觀測波浪資料，係經濟部 水利署(WRA)提供，謹致謝忱。

2018 年港灣海氣象觀測潮汐資料，蒐集之澎湖海域潮汐觀測資料，除本中心自行觀測之外，馬公港區(測站 F)、吉貝(測站 P)及七美漁港(測站 J)之潮位計為中央氣象局所有，謹致謝忱。

2018 年港灣環境資訊網觀測海流資料，蒐集之澎湖海域海流資料，除本中心自行觀測之外，在東吉島海上浮標(測站 Z)、七美海上浮標(測站 R) 等，係交通部 中央氣象局(CWB)提供。澎湖海上浮標(測站 Y)觀測海流資料，係經濟部 水利署(WRA)提供，謹致謝忱。

第 0 章 澎湖海域觀測風浪潮流資料蒐集

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

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

表 WN1 澎湖海域觀測風力資料測站統計表

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

表 VN1 澎湖海域觀測波浪資料測站統計表

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

表 TN1 澎湖海域觀測潮汐資料測站統計表

海域名稱	測站總數	IHMT 測站	CWB 測站	WRA 測站	其他 測站	備註
澎湖海域	9	6	3	0	0	

表 CN1 澎湖海域觀測海流資料測站統計表

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

註:資料更新時間為 2018 年。

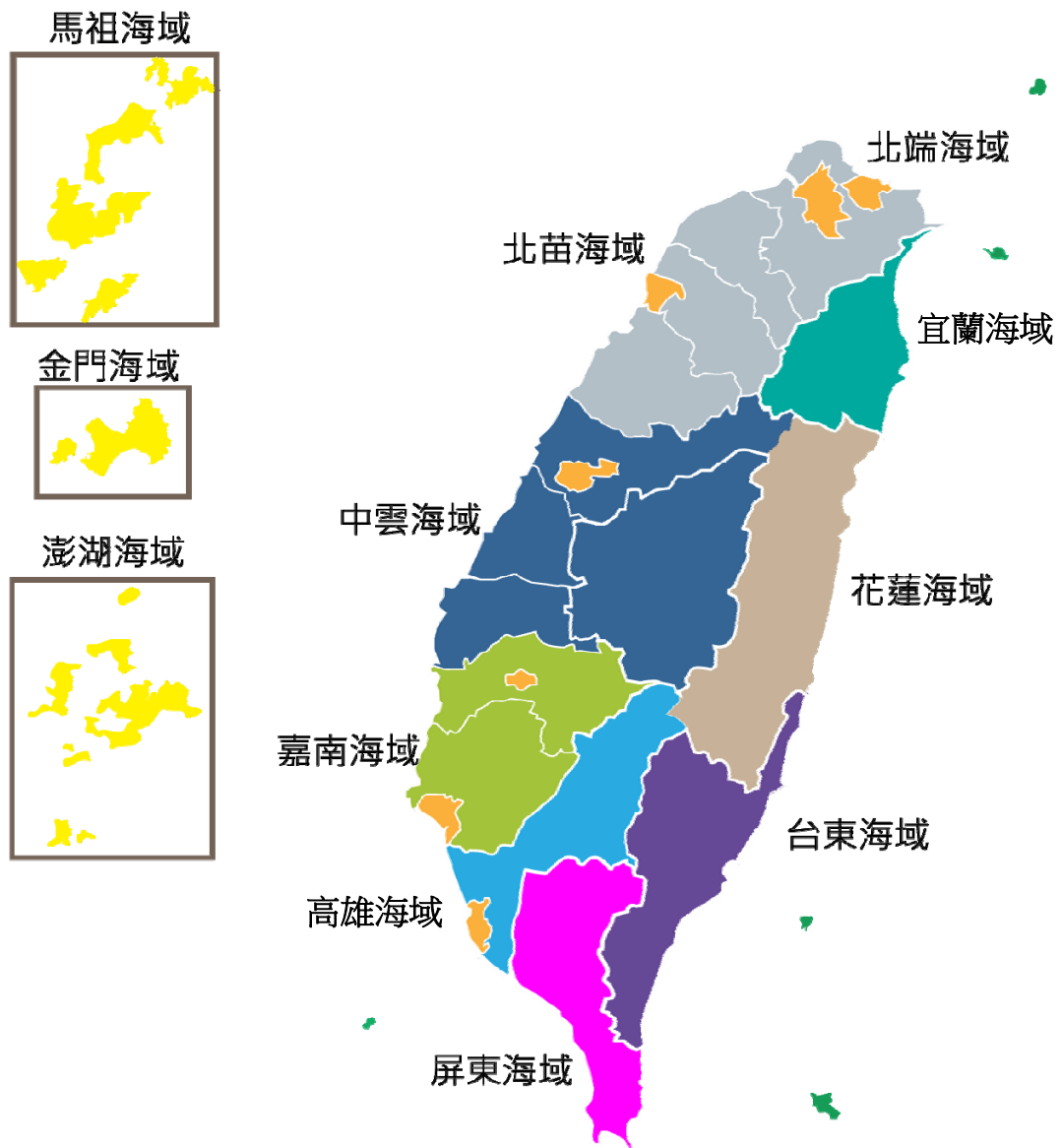


圖 A1 臺灣 12 海域區分示意圖

2018 年澎湖海域觀測風力資料

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

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

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

表 WN1 澎湖海域觀測風力資料蒐集概況表(統計時間至 2018 年 11 月)

測站	緯度	經度	觀測期間	觀測單位	備註
W	23°33'46"N	119°33'52"E	2009/12-2018/11(觀測中)	港研中心	馬公港區
B	23°33'30"N	119°40'5.5"E	2009/12-2018/11(觀測中)	港研中心	龍門尖山港區
E	23°34'02"N	119°33'19"E	2001/01-2018/11(觀測中)	中央氣象局	馬公港區
Y	23°43'37"N	119°33'07"E	2006/09-2018/11(觀測中)	水利署	澎湖資料浮標
H	23°33'46"N	119°33'52"E	2001/12 -2014/08	港務公司	馬公港區
R	22°45'16"N	119°25'42"E	2015/07-2018/11(觀測中)	中央氣象局	七美資料浮標
I	23°34'02"N	119°33'19"E	2014/08-2018/11(觀測中)	中央氣象局	東吉島

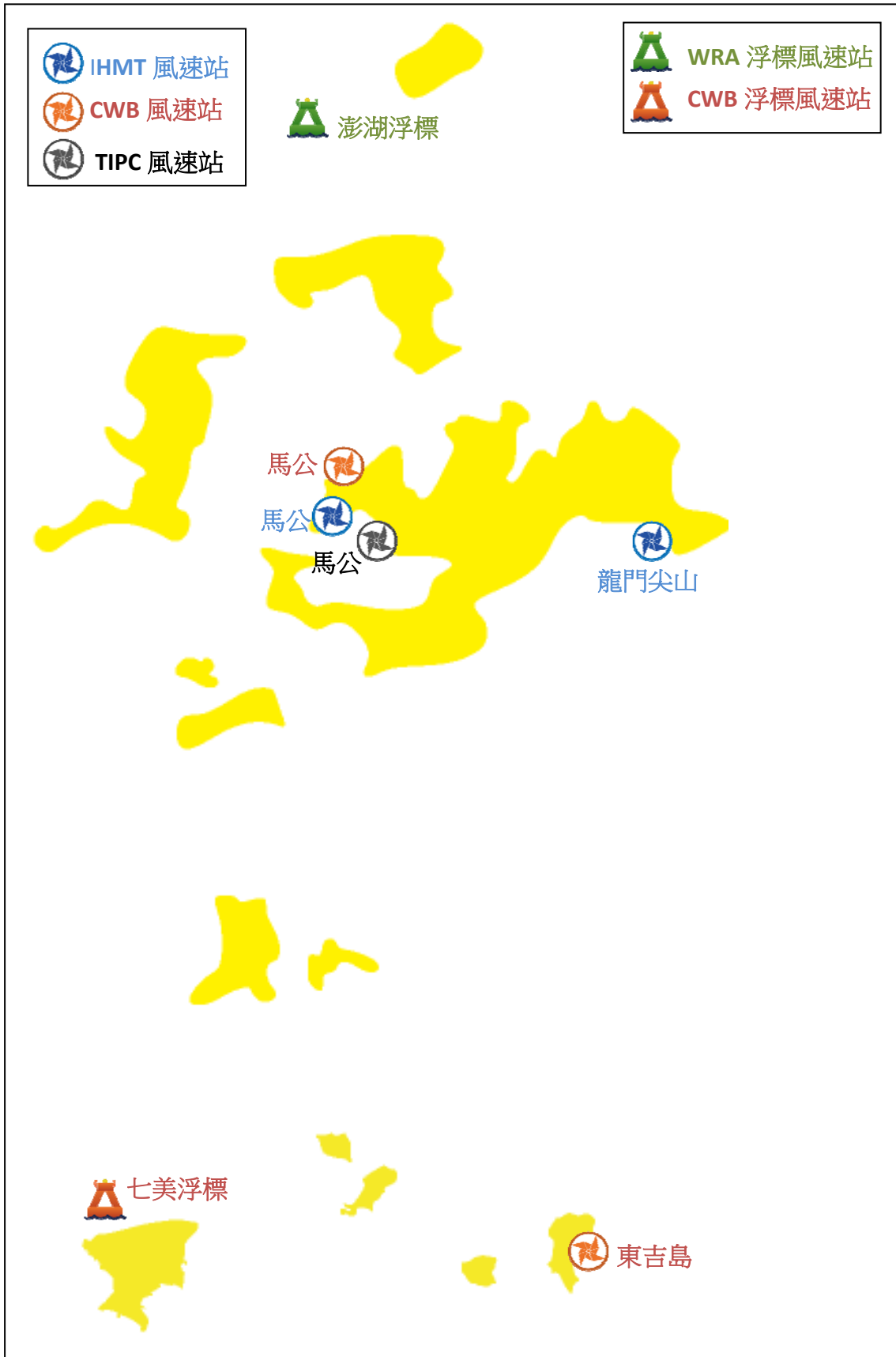


圖 WN1 澎湖海域風力觀測站位置示意圖

2018 年澎湖海域觀測波浪資料

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

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

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

表 VN1 澎湖海域觀測波浪資料蒐集概況表(統計時間至 2018 年 11 月)

測站	緯度	經度	觀測期間	觀測單位	備註
X	23°33'21"N	119°40'31"E	2011/01-2018/11(觀測中)	港研中心	龍門尖山港外海
Y	23°43'37"N	119°33'07"E	2006/09-2018/11(觀測中)	水利署	澎湖資料浮標
Z	23°15'23"N	119°41'2"E	2013/10-2014/12	中央氣象局	東吉島波浪站
R	22°45'16"N	119°25'42"E	2015/07-2018/11(觀測中)	中央氣象局	七美資料浮標
A	23°33'32"N	119°33'19"E	2016/01-2018/11(觀測中)	港研中心	馬公港外海



圖 VN1 澎湖海域波浪觀測站位置示意圖

2018 年澎湖海域觀測潮汐資料

澎湖海域潮汐之觀測係于 2011 年 1 月由本中心於龍門尖山港區碼頭安裝 Water Log 公司潮位計(稱**測站 T**)，位置如附圖 TN1，2013 年 6 月本中心於馬公港區碼頭安裝 Water Log 公司潮位計(稱**測站 S**)。另於 2011 年 1 月中旬在澎湖港龍門尖山港區波堤堤頭外(**測站 X**)安置 AWCP，另 2016 年 1 月安置 AWCP 在澎湖馬公港口外(**測站 A**)，也具量測水位功能。2018 年於馬公港內增設即時水深潮位站(稱**測站 Q**)。2018 年於龍門尖山港內增設即時水深潮位站(稱**測站 L**)。

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

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

表 TN1 澎湖海域觀測潮汐資料蒐集概況表(統計時間至 2018 年 11 月)

測站	緯度	經度	觀測期間	觀測單位	備註
T	23°33'37"N	119°40'05"E	2011/01-2018/11(觀測中)	港研中心	龍門尖山港區
S	23°33'30"N	119°40'06"E	2013/06-2018/11(觀測中)	港研中心	馬公港區潮位計
X	23°33'21"N	119°40'31"E	2011/01-2018/11(觀測中)	港研中心	龍門尖山港區外海
F	23°33'49"N	119°34'01"E	2007/11-2018/11(觀測中)	中央氣象局	馬公港區潮位站
J	23°33'42"N	119°34'41"E	2016/09-2018/11(觀測中)	中央氣象局	七美漁港潮位站
P	23°44'24"N	119°36'35"E	2018/10-2018/11(觀測中)	中央氣象局	吉貝潮位站
A	23°33'32"N	119°33'19"E	2015/07-2018/11(觀測中)	港研中心	馬公港外海
Q			2018/10-2018/11(觀測中)	港研中心	馬公港潮位站
L			2018/10-2018/11(觀測中)	港研中心	龍門尖山港潮位站

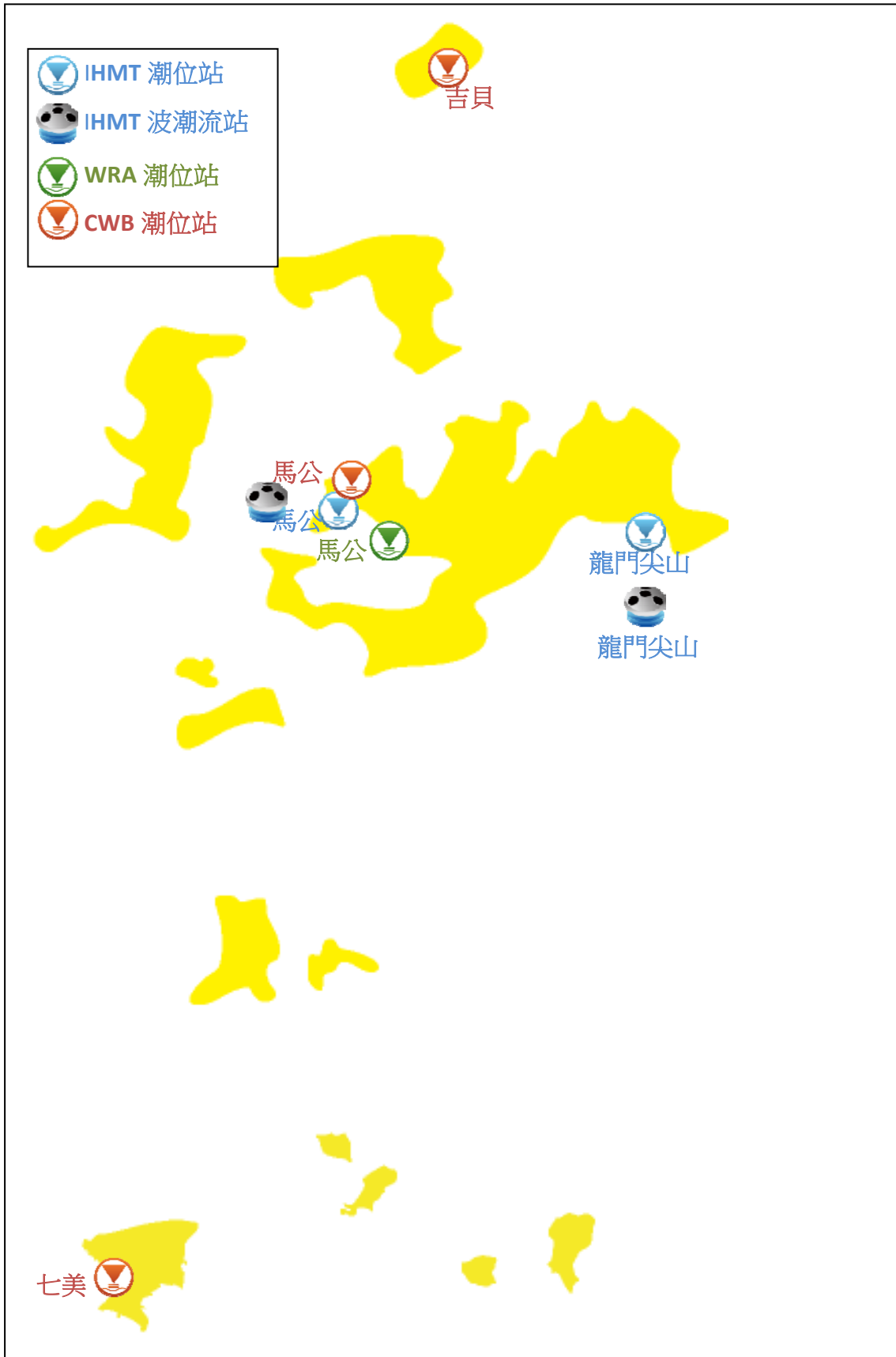


圖 TN1 澎湖海域潮汐觀測站位置示意圖

2018 年澎湖海域觀測海流資料

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

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

剖面海流流速的量測可以依照使用在不同水深即自固定在海床上之儀器位置到水表面來設定量測不同的間距，澎湖港觀測站水深間距設定為 2 公尺；每小時連續量測 600 秒，再將總和平均代表其數樣每一間距層之海流流速、流向等資料，記錄在感應器內，並每隔 1 小時經由海底電纜傳訊回接收站之電腦中儲存。

表 CN1 澎湖海域觀測海流資料蒐集概況表(統計時間至 2018 年 11 月)

測站	緯度	經度	觀測期間	觀測單位	備註
X	23°33'21"N	119°40'31"E	2011/01-2018/11(觀測中)	港研中心	龍門尖山港外海
Y	23°43'37"N	119°33'07"E	2010/07-2018/11(觀測中)	水利署	澎湖資料浮標
Z	23°15'23"N	119°41'2"E	2013/10-2018/11(觀測中)	中央氣象局	東吉島資料浮標
R	22°45'16"N	119°25'42"E	2015/07-2018/11(觀測中)	中央氣象局	七美資料浮標
A	23°33'32"N	119°33'19"E	2016/01-2018/11(觀測中)	港研中心	馬公港外海



圖 CN1 澎湖海域海流觀測站位置示意圖

第一章 2018 年澎湖海域觀測風力資料

澎湖海域風之觀測包括測站 **W**、測站 **Y**、測站 **B**、測站 **E**、測站 **R** 及測站 **H** 等 6 個測站(測站位置如第 0 章圖 WN1)。本年報取經檢核及補遺之 **Y 站** 資料作為主要測站 1，**W 站** 資料作為主要測站 2。

1.1 2018 年澎湖海域觀測風力資料年報圖表

本章第 1 節**風力**年報資料處理之圖表包括：

1. 表 1.1.1a 2018 年**各觀測站**每月**觀測風力**資料**修補前**記錄表。
2. 表 1.1.1b 2018 年**主要測站**每月**觀測風力**資料**修補後**記錄表。
3. 表 1.1.2 2018 年**主要測站 1** **修補後**每月(季)及整年風速及風向重要統計量統計表。
4. 表 1.1.3 2018 年**主要測站 2** **修補後**每月(季)及整年風速及風向重要統計量統計表。
5. 圖 1.1.1a 2018 年**主要測站 1** **修補前後**每月風速歷線比較圖。
6. 圖 1.1.1b 2018 年**主要測站 1** **修補前後**每月風向歷線比較圖。
7. 圖 1.1.2a 2018 年**主要測站 2** **修補前後**每月風速歷線比較圖。
8. 圖 1.1.2b 2018 年**主要測站 2** **修補前後**每月風向歷線比較圖。
9. 圖 1.1.3 2018 年**主要測站 1** **修補後**每月風力向量分佈圖。
10. 圖 1.1.4 2018 年**主要測站 2** **修補後**每月風力向量分佈圖。
11. 圖 1.1.5 2018 年**主要測站 1** **修補後**每月風力向量行進圖。
12. 圖 1.1.6 2018 年**主要測站 2** **修補後**每月風力向量行進圖。

第 2 節風力年報資料處理之統計表包括：2018 年澎湖海域**各測站**

修補前每月(季)及整年風速及風向重要統計量統計表。

第 3 節風力年報資料處理之統計圖包括：2018 年澎湖海域**主要測站 1**修補後與**其他測站(修補前)**每月風速及風向歷線比較圖。

第 4 節風力年報資料處理之統計圖包括：2018 年澎湖海域**主要測站 2**修補後與**其他測站(修補前)**每月風速及風向歷線比較圖。

第 5 節風力年報資料處理之統計圖包括：2018 年澎湖海域**各測站**修補前每月風力向量分佈圖。

第 6 節風力年報資料處理之統計圖包括：2018 年澎湖海域**各測站**修補前每月風力向量行進圖。

表 1.1.1a 2018 年每月澎湖海域修補前各測站觀測風力資料紀錄表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	Y	W	B	R	E	I	H					
2017/12 月	744(100%)	381(51.2%)	744(100%)	151(20.3%)	744(100%)	744(100%)	*	*	*	*	*	*
2018/ 1 月	744(100%)	577(77.6%)	740(99.5%)	*	744(100%)	744(100%)	*	*	*	*	*	*
2018/ 2 月	672(100%)	388(57.7%)	672(100%)	*	672(100%)	672(100%)	*	*	*	*	*	*
2018/ 3 月	744(100%)	674(90.6%)	743(99.9%)	*	744(100%)	744(100%)	*	*	*	*	*	*
2018/ 4 月	710(98.6%)	640(88.9%)	710(98.6%)	*	720(100%)	720(100%)	*	*	*	*	*	*
2018/ 5 月	738(99.2%)	711(95.6%)	743(99.9%)	53(7.1%)	744(100%)	744(100%)	*	*	*	*	*	*
2018/ 6 月	707(98.2%)	680(94.4%)	710(98.6%)	657(91.3%)	720(100%)	720(100%)	*	*	*	*	*	*
2018/ 7 月	744(100%)	692(93.0%)	744(100%)	676(90.9%)	744(100%)	*	*	*	*	*	*	*
2018/ 8 月	739(99.3%)	698(93.8%)	744(100%)	685(92.1%)	744(100%)	*	*	*	*	*	*	*
2018/ 9 月	708(98.3%)	677(94.0%)	720(100%)	628(87.2%)	720(100%)	*	*	*	*	*	*	*
2018/10 月	743(99.9%)	702(94.4%)	742(99.7%)	732(98.4%)	744(100%)	*	*	*	*	*	*	*
2018/11 月	720(100%)	692(96.1%)	720(100%)	670(93.1%)	720(100%)	*	*	*	*	*	*	*
2018/冬季	2160(100%)	1346(62.3%)	2156(99.8%)	151(7.0%)	2160(100%)	2160(100%)	*	*	*	*	*	*
2018/春季	2192(99.3%)	2025(91.7%)	2196(99.5%)	53(2.4%)	2208(100%)	2208(100%)	*	*	*	*	*	*
2018/夏季	2190(99.2%)	2070(93.8%)	2198(99.5%)	2018(91.4%)	2208(100%)	720(32.6%)	*	*	*	*	*	*
2018/秋季	2171(99.4%)	2071(94.8%)	2182(99.9%)	2030(92.9%)	2184(100%)	*	*	*	*	*	*	*
2018/整年	8713(99.5%)	7512(85.8%)	8732(99.7%)	4252(48.5%)	8760(100%)	5088(58.1%)	*	*	*	*	*	*
起始年月	2017/12	2017/12	2017/12	2017/12	2017/12	2017/12	*	*	*	*	*	*
結束年月	2018/11	2018/11	2018/11	2018/11	2018/11	2018/06	*	*	*	*	*	*

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表 1.1.1b 2018 年每月澎湖海域修補後各測站風力資料紀錄表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	Y	W										
2017/12 月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 1 月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 2 月	672(100%)	672(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 3 月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 4 月	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 5 月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 6 月	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 7 月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 8 月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 9 月	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*	*
2018/10 月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/11 月	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*	*
2018/冬季	2160(100%)	2160(100%)	*	*	*	*	*	*	*	*	*	*
2018/春季	2208(100%)	2208(100%)	*	*	*	*	*	*	*	*	*	*
2018/夏季	2208(100%)	2208(100%)	*	*	*	*	*	*	*	*	*	*
2018/秋季	2184(100%)	2184(100%)	*	*	*	*	*	*	*	*	*	*
2018/整年	8760(100%)	8760(100%)	*	*	*	*	*	*	*	*	*	*
起始年月	2017/12	2017/12	*	*	*	*	*	*	*	*	*	*
結束年月	2018/11	2018/11	*	*	*	*	*	*	*	*	*	*

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表 1.1.2 2018 年澎湖海域 Y 站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	2017/12	744(100%)	12.8	12.6/NNE	19.0/NNE	.5	9.7	44.9	44.9	98.3	.0	.0	1.7	NNE/79.3%
2	2018/01	744(100%)	11.1	11.0/NNE	17.2/NNE	1.7	12.2	68.3	17.7	97.2	1.2	.1	1.5	NNE/74.9%
3	2018/02	672(100%)	10.0	9.8/NNE	16.5/NNE	10.1	19.8	49.0	21.1	93.6	1.9	.4	4.0	NNE/65.6%
4	2018/03	744(100%)	7.3	6.8/NNE	16.4/NNE	18.5	39.4	35.8	6.3	84.5	3.6	4.3	7.5	NNE/57.5%
5	2018/04	720(100%)	5.2	3.9/NNE	17.2/NNE	44.2	29.4	22.4	4.0	59.2	7.2	17.1	16.5	NNE/38.8%
6	2018/05	744(100%)	4.2	.1/SSW	14.1/NNE	46.6	41.0	12.1	.3	26.3	10.1	57.5	6.0	SSW/22.2%
7	2018/06	720(100%)	5.0	1.7/NE	14.2/NNE	35.1	47.2	17.2	.4	48.5	16.8	29.3	5.4	NNE/31.8%
8	2018/07	744(100%)	3.5	1.0/SSW	11.6/WSW	50.3	46.8	3.0	.0	17.9	18.3	43.5	20.3	S /21.2%
9	2018/08	744(100%)	4.0	2.1/S	13.5/WNW	44.2	46.0	9.8	.0	10.8	38.7	35.9	14.7	S /23.5%
10	2018/09	720(100%)	6.3	4.8/N	14.8/NNE	38.5	25.4	32.9	3.2	50.4	9.7	21.3	18.6	N /41.4%
11	2018/10	744(100%)	10.0	9.8/NNE	17.0/NNE	3.2	19.6	68.4	8.7	91.3	.0	.3	8.5	NNE/62.6%
12	2018/11	720(100%)	8.7	8.4/NNE	18.1/NNE	5.7	31.5	56.1	6.7	91.7	1.9	.0	6.4	NNE/62.5%
13	2018/冬	2160(100%)	11.3	11.2/NNE	19.0/NNE	3.9	13.7	54.2	28.1	96.4	1.0	.2	2.4	NNE/73.5%
14	2018/春	2208(100%)	5.5	3.5/NNE	17.2/NNE	36.4	36.7	23.4	3.5	56.7	7.0	26.4	10.0	NNE/37.0%
15	2018/夏	2208(100%)	4.2	.6/S	14.2/NNE	43.3	46.6	9.9	.1	25.5	24.7	36.3	13.5	S /20.2%
16	2018/秋	2184(100%)	8.4	7.7/NNE	18.1/NNE	15.7	25.5	52.7	6.2	77.9	3.8	7.1	11.1	NNE/46.7%
17	2018/年	8760(100%)	7.3	5.4/NNE	19.0/NNE	25.0	30.7	34.9	9.4	63.9	9.2	17.6	9.3	NNE/42.8%

表1.1.3 2018年澎湖海域 W 站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	2017/12	744(100%)	9.4	9.1/NNE	14.8/NE	1.5	27.7	68.8	2.0	93.7	.0	.0	6.3	NNE/51.3%
2	2018/01	744(100%)	7.7	7.6/NNE	13.1/NNE	5.0	42.6	52.4	.0	96.5	1.2	.1	2.2	NNE/72.0%
3	2018/02	672(100%)	7.4	7.1/NNE	13.1/NE	15.8	33.9	50.3	.0	93.3	1.8	.0	4.9	NNE/47.2%
4	2018/03	744(100%)	5.0	4.6/NNE	12.2/NNE	32.0	50.4	17.6	.0	74.2	4.7	2.3	18.8	NNE/47.0%
5	2018/04	720(100%)	3.9	2.7/NNE	13.6/NNE	51.4	38.8	9.9	.0	50.7	9.3	13.8	26.3	NNE/31.0%
6	2018/05	744(100%)	3.2	.3/NW	11.2/NNE	65.3	30.4	4.3	.0	22.3	19.9	37.9	19.9	SSW/19.5%
7	2018/06	720(100%)	4.0	1.5/NNE	11.5/N	47.9	44.3	7.8	.0	42.4	23.6	20.7	13.3	NNE/24.3%
8	2018/07	744(100%)	3.0	.7/WSW	9.5/N	64.7	34.4	.9	.0	16.3	19.8	38.7	25.3	SSW/21.1%
9	2018/08	744(100%)	3.0	1.2/SSW	12.5/WNW	67.5	29.7	2.8	.0	7.4	41.0	33.9	17.7	SSE/19.9%
10	2018/09	720(100%)	5.0	3.7/NNE	12.7/N	43.6	28.9	27.5	.0	55.3	8.1	19.9	16.8	NNE/39.2%
11	2018/10	744(100%)	7.4	7.2/NNE	13.4/NNE	5.2	53.8	41.0	.0	91.8	.1	.3	7.8	NNE/74.2%
12	2018/11	720(100%)	6.4	6.2/NNE	14.1/NNE	10.7	64.4	24.2	.7	89.6	1.3	.0	9.2	NNE/65.8%
13	2018/冬	2160(100%)	8.2	8.0/NNE	14.8/NE	7.1	34.8	57.4	.7	94.5	1.0	.0	4.4	NNE/57.2%
14	2018/春	2208(100%)	4.0	2.5/NNE	13.6/NNE	49.5	39.9	10.6	.0	49.0	11.3	18.0	21.6	NNE/30.5%
15	2018/夏	2208(100%)	3.3	.1/WSW	12.5/WNW	60.1	36.1	3.8	.0	21.8	28.2	31.2	18.8	SSW/15.5%
16	2018/秋	2184(100%)	6.3	5.7/NNE	14.1/NNE	19.7	49.1	31.0	.2	79.0	3.1	6.6	11.2	NNE/59.9%
17	2018/年	8760(100%)	5.4	4.0/NNE	14.8/NE	34.3	39.9	25.5	.2	60.9	11.0	14.1	14.1	NNE/39.5%

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

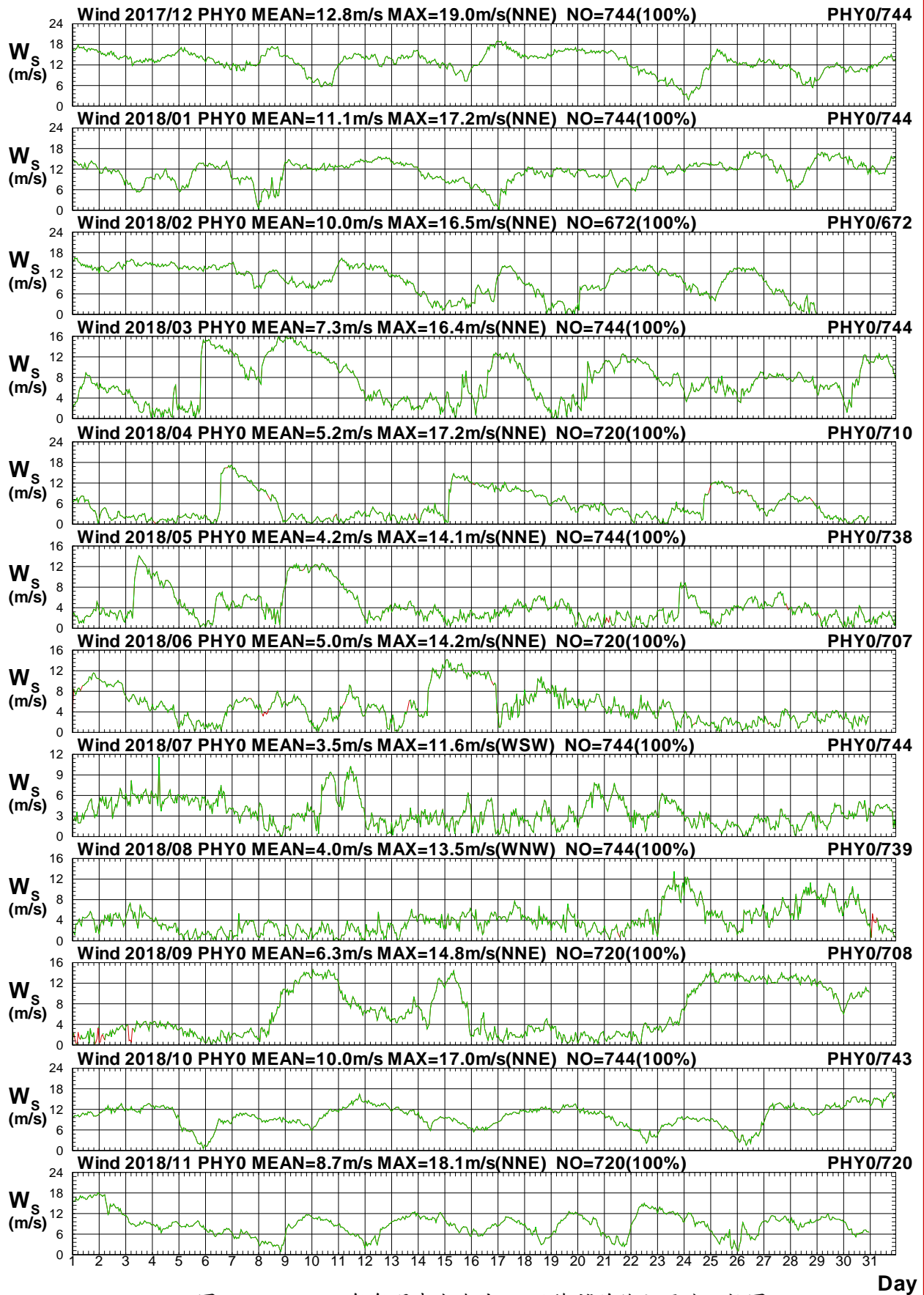


圖1.1.1a 2018年每月澎湖海域 Y 站修補前後之風速比較圖

W17CPHY0.1HA W17CPHY0.1HO W181PHY0.1HA W181PHY0.1HO W182PHY0.1HA W182PHY0.1HO
W183PHY0.1HA W183PHY0.1HO W184PHY0.1HA W184PHY0.1HO W185PHY0.1HA W185PHY0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

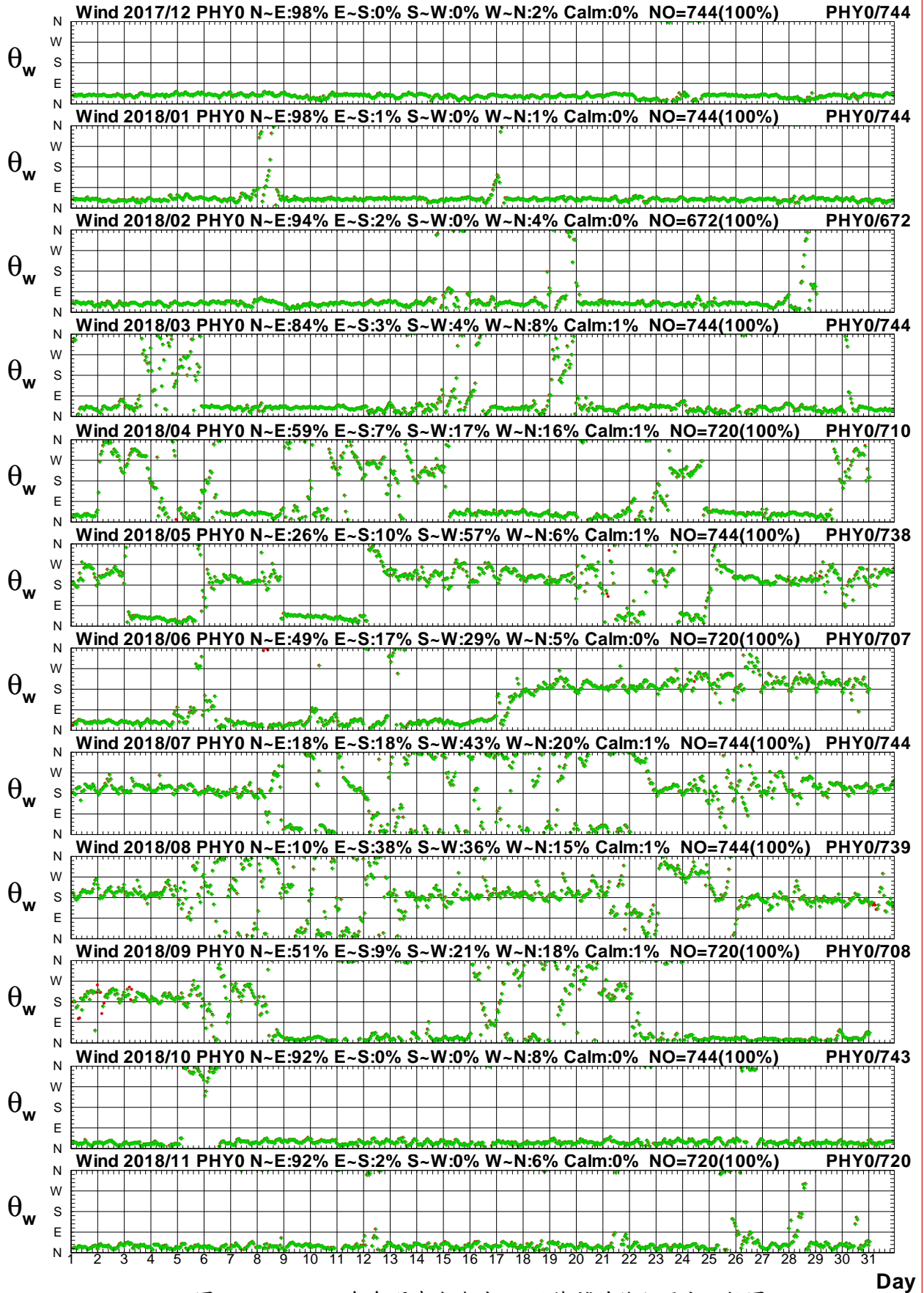


圖1.1.1b 2018年每月澎湖海域 Y 站修補前後之風向比較圖

W17CPHY0.1HA W17CPHY0.1HO W181PHY0.1HA W181PHY0.1HO W182PHY0.1HA W182PHY0.1HO
W183PHY0.1HA W183PHY0.1HO W184PHY0.1HA W184PHY0.1HO W185PHY0.1HA W185PHY0.1HO

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Wind Speed in Peng-Hu Seas of PHW0 at 2018

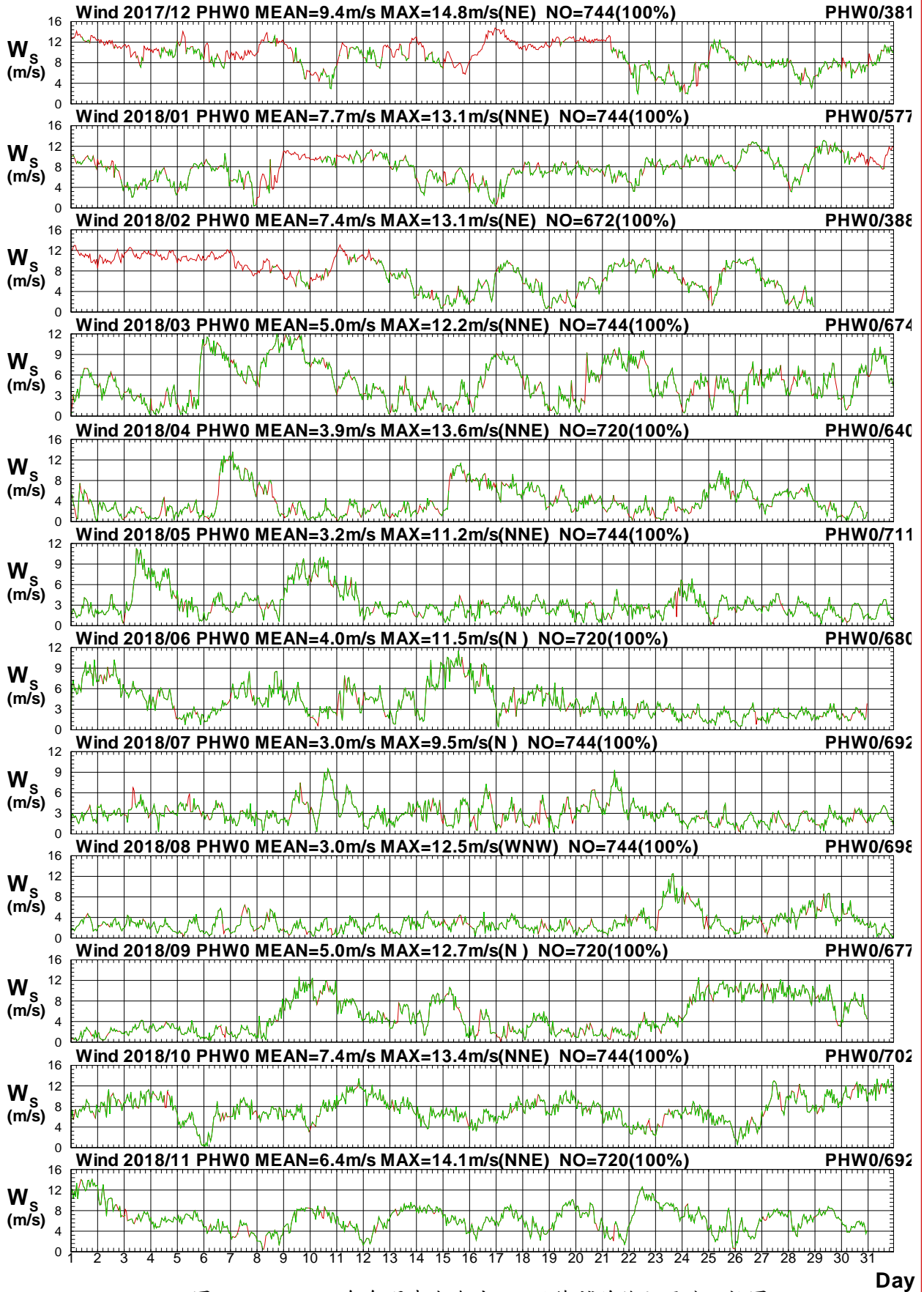


圖1.1.2a 2018年每月澎湖海域 W 站修補前後之風速比較圖

W17CPHW0.1HA W17CPHW0.1H0 W181PHW0.1HA W181PHW0.1H0 W182PHW0.1HA W182PHW0.1H0
 W183PHW0.1HA W183PHW0.1H0 W184PHW0.1HA W184PHW0.1H0 W185PHW0.1HA W185PHW0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

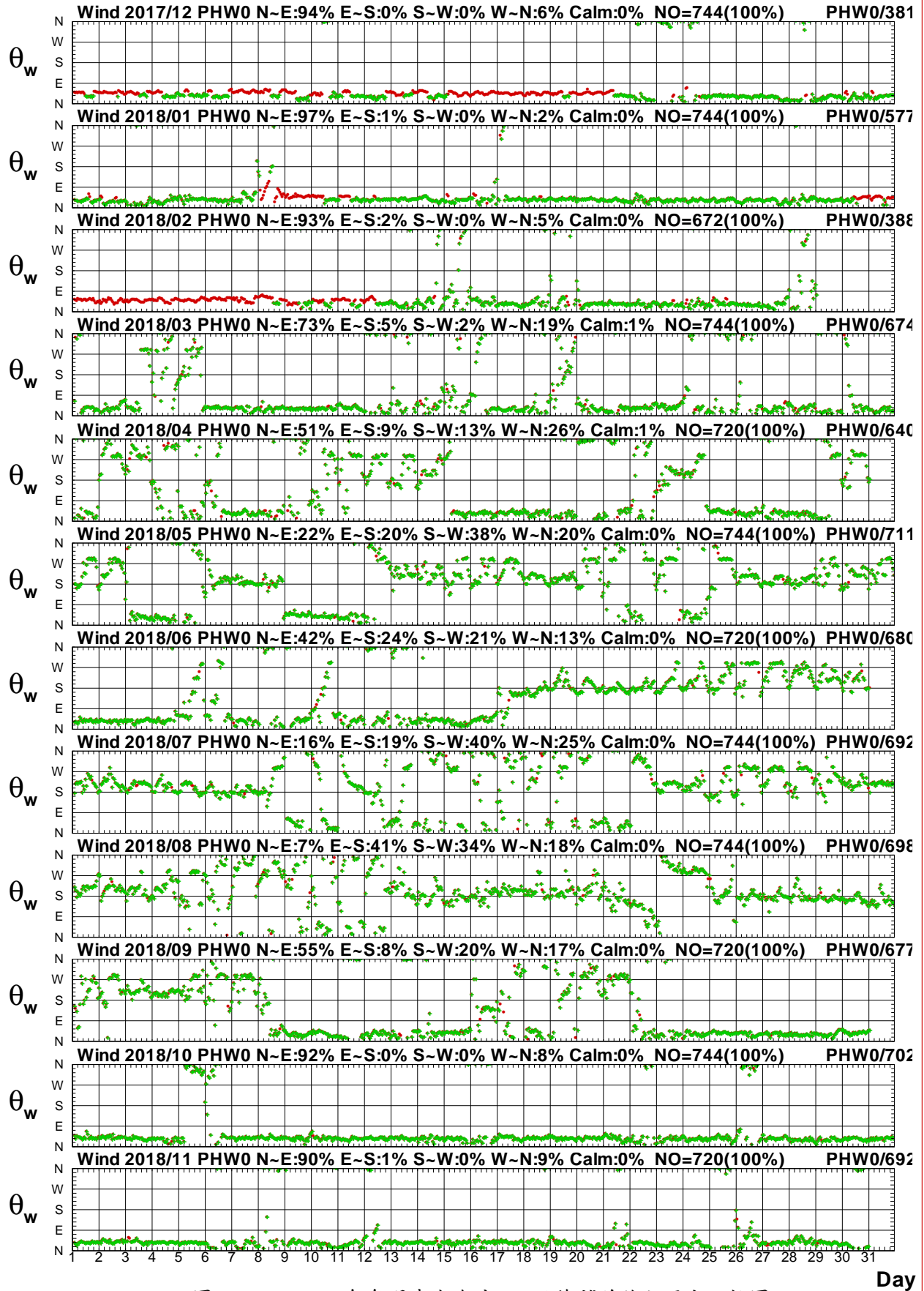


圖1.1.2b 2018年每月澎湖海域 W 站修補前後之風向比較圖

Distribution of Wind Vectors

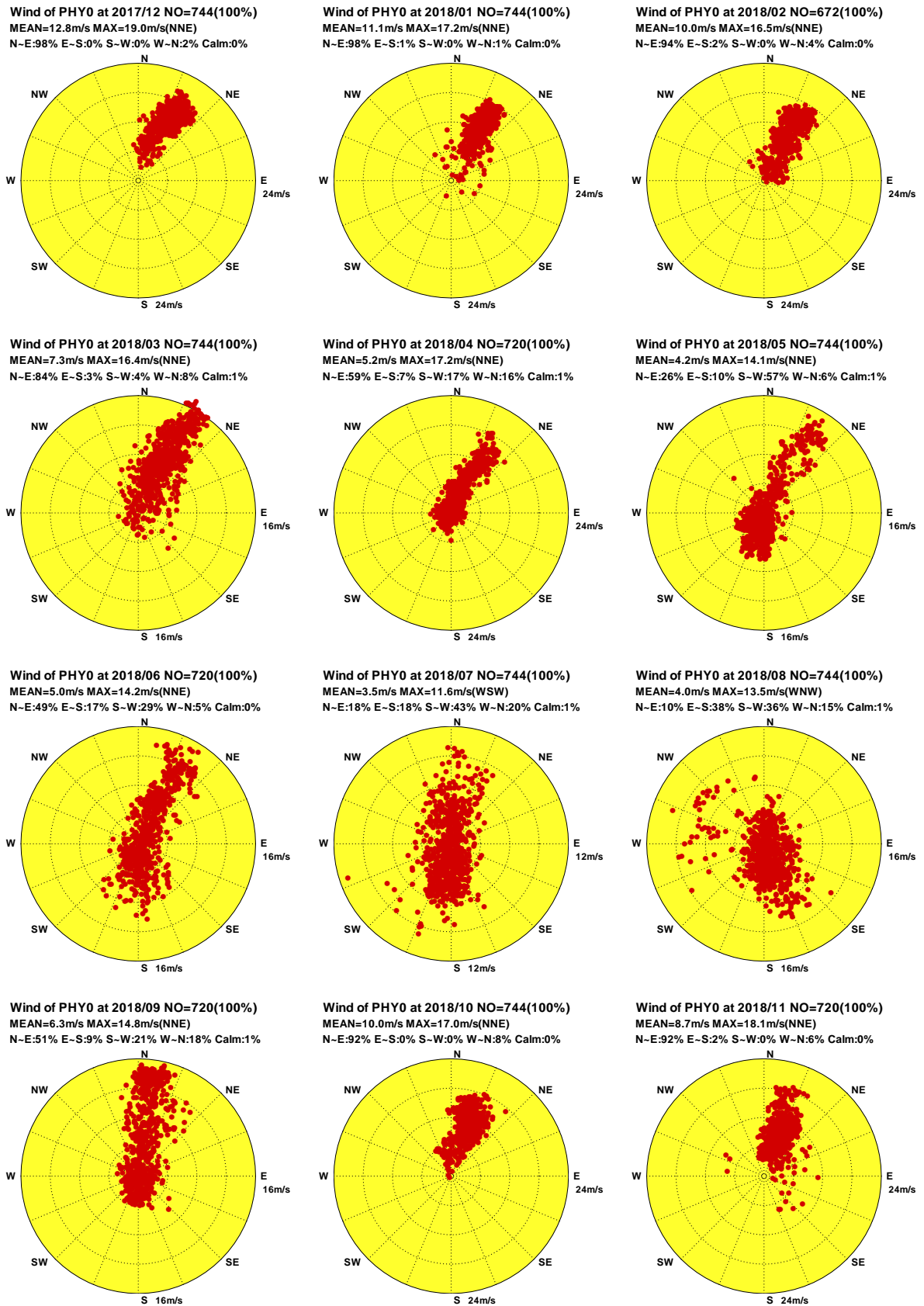


圖1.1.3 2018年澎湖海域每月 Y 站修補後觀測風力向量分佈圖

W17CPHY0.1HA W181PHY0.1HA W182PHY0.1HA W183PHY0.1HA W184PHY0.1HA W185PHY0.1HA
W186PHY0.1HA W187PHY0.1HA W188PHY0.1HA W189PHY0.1HA W18APHY0.1HA W18BPHY0.1HA

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Distribution of Wind Vectors

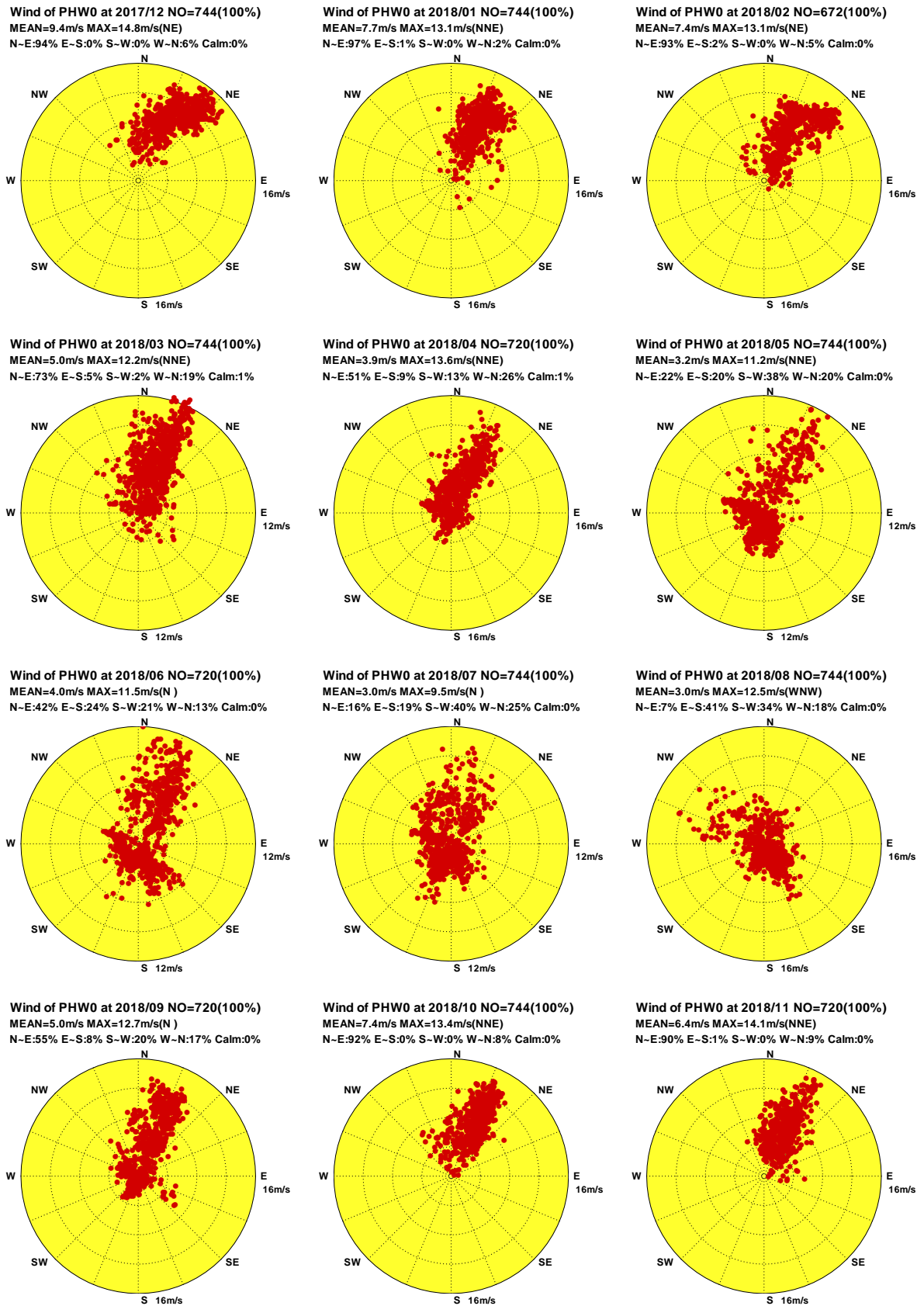


圖1.1.4 2018年澎湖海域每月 W 站修補後觀測風力向量分佈圖

Progressive Vector Diagram of Wind

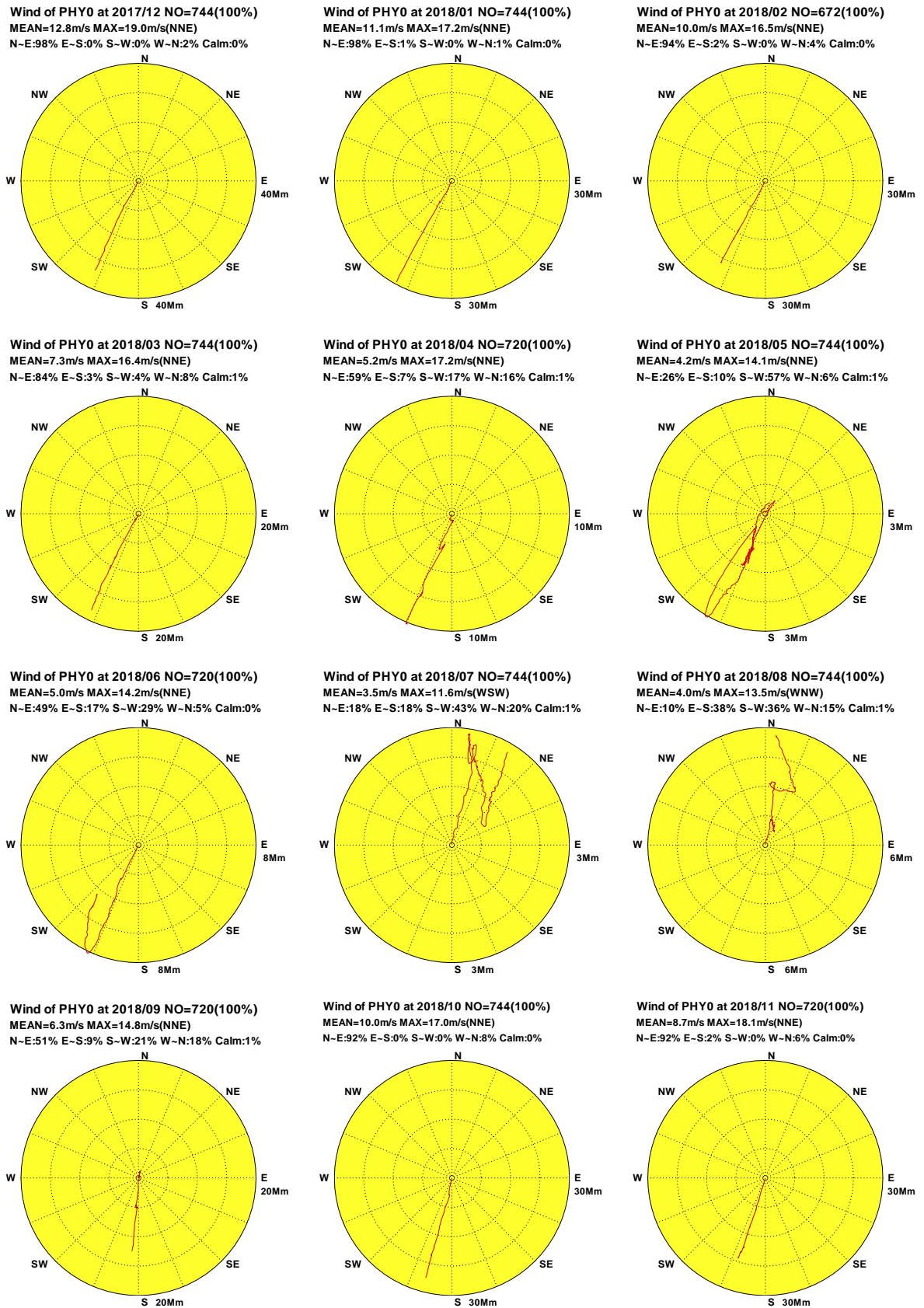


圖1.1.5 2018年澎湖海域每月 Y 站修補後觀測風力向量行進圖

W17CPHY0.1HA W181PHY0.1HA W182PHY0.1HA W183PHY0.1HA W184PHY0.1HA W185PHY0.1HA
W186PHY0.1HA W187PHY0.1HA W188PHY0.1HA W189PHY0.1HA W18APHY0.1HA W18BPHY0.1HA

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Progressive Vector Diagram of Wind

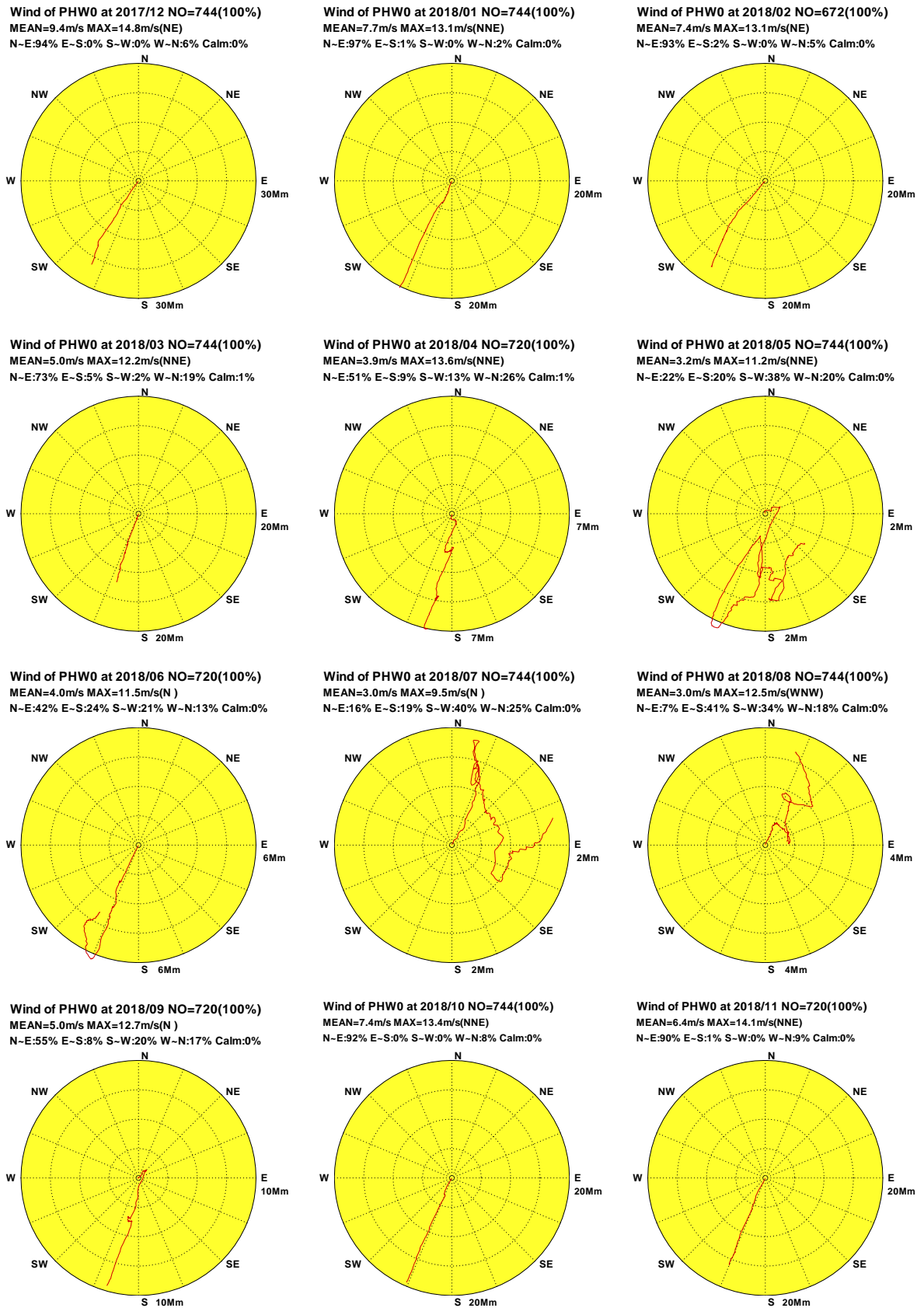


圖1.1.6 2018年澎湖海域每月 W 站修補後觀測風力向量行進圖

1.2 2018 年澎湖海域各測站修補前 風力統計量統計表

表 1.2.1 2018 年澎湖海域 Y 站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	2017/12	744(100%)	12.8	12.6/NNE	19.0/NNE	.5	9.7	44.8	45.0	98.3	.0	.0	1.7	NNE/79.3%
2	2018/01	744(100%)	11.1	11.0/NNE	17.2/NNE	1.7	12.2	68.1	17.9	97.2	1.2	.1	1.5	NNE/74.9%
3	2018/02	672(100%)	10.0	9.8/NNE	16.5/NNE	10.1	19.8	48.8	21.3	93.6	1.9	.4	4.0	NNE/65.6%
4	2018/03	744(100%)	7.3	6.8/NNE	16.4/NNE	18.5	39.4	35.8	6.3	84.5	3.6	4.3	7.5	NNE/57.5%
5	2018/04	710(99%)	5.2	3.9/NNE	17.2/NNE	44.4	29.7	22.0	3.9	58.9	7.0	17.2	16.9	NNE/38.5%
6	2018/05	738(99%)	4.2	.1/SSW	14.1/NNE	46.5	41.2	12.1	.3	26.4	9.9	57.7	6.0	SSW/22.1%
7	2018/06	707(98%)	5.0	1.6/NE	14.2/NNE	35.2	47.1	17.3	.4	48.5	17.1	29.6	4.8	NNE/31.8%
8	2018/07	744(100%)	3.5	1.0/SSW	11.6/WSW	50.3	46.8	3.0	.0	17.9	18.3	43.5	20.3	S /21.2%
9	2018/08	739(99%)	4.0	2.1/S	13.5/WNW	44.4	45.7	9.9	.0	10.8	38.4	36.0	14.7	S /23.7%
10	2018/09	708(98%)	6.4	4.9/N	14.8/NNE	37.4	25.8	33.5	3.2	51.3	9.0	20.8	18.9	N /42.1%
11	2018/10	743(100%)	10.0	9.8/NNE	17.0/NNE	3.2	19.7	68.5	8.6	91.3	.0	.3	8.5	NNE/62.7%
12	2018/11	720(100%)	8.7	8.4/NNE	18.1/NNE	5.6	31.7	56.0	6.8	91.7	1.9	.0	6.4	NNE/62.5%
13	2018/冬	2160(100%)	11.3	11.2/NNE	19.0/NNE	3.9	13.7	54.1	28.3	96.4	1.0	.2	2.4	NNE/73.5%
14	2018/春	2192(99%)	5.5	3.5/NNE	17.2/NNE	36.3	36.9	23.3	3.5	56.7	6.8	26.5	10.0	NNE/37.0%
15	2018/夏	2190(99%)	4.2	.6/S	14.2/NNE	43.4	46.5	9.9	.1	25.4	24.7	36.5	13.4	S /20.4%
16	2018/秋	2171(99%)	8.4	7.7/NNE	18.1/NNE	15.2	25.7	52.9	6.3	78.4	3.6	6.9	11.2	NNE/47.0%
17	2018/年	8713(100%)	7.3	5.4/NNE	19.0/NNE	24.8	30.8	34.9	9.5	64.1	9.1	17.6	9.3	NNE/42.9%

1-2-1

表1.2.2 2018年澎湖海域 W 站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	2017/12	381(51%)	8.1	8.0/NNE	13.2/NNE	2.9	42.5	54.6	.0	88.2	.0	.0	11.8	NNE/73.8%
2	2018/01	577(78%)	7.5	7.4/NNE	13.1/NNE	5.7	46.6	47.7	.0	96.2	1.2	.2	2.4	NNE/80.9%
3	2018/02	388(58%)	5.9	5.7/NNE	11.1/NNE	24.2	46.1	29.6	.0	89.2	3.1	.0	7.7	NNE/63.7%
4	2018/03	674(91%)	5.0	4.6/NNE	12.2/NNE	31.8	50.1	18.1	.0	74.3	4.7	2.5	18.4	NNE/47.2%
5	2018/04	640(89%)	3.9	2.7/NNE	13.6/NNE	50.5	39.4	10.2	.0	50.8	9.1	12.8	27.3	NNE/31.6%
6	2018/05	711(96%)	3.2	.3/NW	11.2/NNE	65.0	30.5	4.5	.0	22.2	19.8	38.5	19.4	SSW/20.1%
7	2018/06	680(94%)	4.0	1.5/NNE	11.5/N	47.6	44.4	7.9	.0	42.4	23.5	20.4	13.7	NNE/24.4%
8	2018/07	692(93%)	3.0	.7/WSW	9.5/N	64.6	34.4	1.0	.0	16.3	20.2	38.4	25.0	SSW/21.4%
9	2018/08	698(94%)	3.0	1.2/SSW	12.5/WNW	67.8	29.2	3.0	.0	7.4	40.8	34.0	17.8	SSE/19.6%
10	2018/09	677(94%)	5.0	3.7/NNE	12.7/N	43.3	29.1	27.6	.0	55.2	7.7	20.4	16.7	NNE/39.4%
11	2018/10	702(94%)	7.4	7.2/NNE	13.4/NNE	5.6	53.0	41.5	.0	91.9	.1	.3	7.7	NNE/74.1%
12	2018/11	692(96%)	6.4	6.2/NNE	14.1/NNE	10.4	64.5	24.4	.7	89.5	1.2	.0	9.4	NNE/66.3%
13	2018/冬	1346(62%)	7.2	7.0/NNE	13.2/NNE	10.3	45.3	44.4	.0	91.9	1.4	.1	6.6	NNE/73.9%
14	2018/春	2025(92%)	4.0	2.4/NNE	13.6/NNE	49.3	39.9	10.8	.0	48.6	11.4	18.4	21.6	NNE/30.3%
15	2018/夏	2070(94%)	3.3	.1/W	12.5/WNW	60.1	35.9	4.0	.0	21.9	28.3	31.0	18.8	SSW/15.7%
16	2018/秋	2071(95%)	6.3	5.7/NNE	14.1/NNE	19.5	49.0	31.2	.2	79.1	2.9	6.8	11.2	NNE/60.2%
17	2018/年	7512(86%)	5.0	3.5/NNE	14.1/NNE	37.1	42.3	20.6	.1	57.4	11.9	15.4	15.3	NNE/41.1%

1-2-2

表1.2.3 2018年澎湖海域B站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	2017/12	744(100%)	10.8	10.7/NNE	18.7/NNE	1.2	17.5	63.4	17.9	97.8	.0	.0	2.2	NNE/94.5%
2	2018/01	740(100%)	9.2	9.1/NNE	16.5/NNE	2.8	27.4	64.5	5.3	97.6	.5	.5	1.4	NNE/92.6%
3	2018/02	672(100%)	8.5	8.4/NNE	15.3/NNE	11.3	30.5	54.9	3.3	96.4	1.0	.7	1.8	NNE/86.0%
4	2018/03	743(100%)	6.1	5.6/NNE	15.3/NNE	24.0	46.7	27.2	2.2	84.3	3.8	4.4	7.5	NNE/68.5%
5	2018/04	710(99%)	4.8	3.0/NNE	16.3/NNE	44.2	38.2	15.9	1.7	61.7	9.0	19.2	10.1	NNE/45.9%
6	2018/05	743(100%)	4.3	.7/SSW	13.1/NNE	34.9	56.7	8.5	.0	28.1	11.3	56.4	4.2	NNE/21.8%
7	2018/06	710(99%)	5.2	.9/ENE	13.3/S	26.5	56.3	17.2	.0	48.6	18.6	29.7	3.1	NNE/38.2%
8	2018/07	744(100%)	4.2	1.6/SSW	11.1/SSW	37.4	58.7	3.9	.0	23.4	13.6	51.6	11.4	SSW/21.8%
9	2018/08	744(100%)	4.8	2.9/SSW	17.3/S	34.4	52.7	12.5	.4	15.6	27.4	47.2	9.8	S /28.0%
10	2018/09	720(100%)	5.9	3.9/NNE	15.2/NNE	33.5	34.7	31.3	.6	62.6	6.4	24.0	6.9	NNE/53.1%
11	2018/10	742(100%)	8.7	8.7/NNE	15.8/NNE	4.2	35.4	57.4	3.0	97.0	.0	.1	2.8	NNE/92.2%
12	2018/11	720(100%)	7.3	7.2/NNE	17.2/NNE	8.5	52.8	35.1	3.6	97.6	.4	.0	1.9	NNE/87.5%
13	2018/冬	2156(100%)	9.5	9.4/NNE	18.7/NNE	4.9	25.0	61.1	9.0	97.3	.5	.4	1.8	NNE/91.2%
14	2018/春	2196(100%)	5.1	2.6/NNE	16.3/NNE	34.2	47.3	17.2	1.3	58.0	8.0	26.8	7.2	NNE/45.4%
15	2018/夏	2198(100%)	4.7	1.3/S	17.3/S	32.8	55.9	11.1	.1	28.9	19.9	43.0	8.2	S /21.3%
16	2018/秋	2182(100%)	7.3	6.6/NNE	17.2/NNE	15.3	40.9	41.4	2.4	85.9	2.2	8.0	3.9	NNE/77.7%
17	2018/年	8732(100%)	6.6	4.3/NNE	18.7/NNE	21.9	42.4	32.6	3.2	67.3	7.7	19.7	5.3	NNE/58.4%

1-2-3

表1.2.4 2018年澎湖海域 E 站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	2017/12	744(100%)	6.3	6.3/NNE	10.6/NNE	5.2	72.8	21.9	.0	97.0	.0	.0	3.0	NNE/64.4%
2	2018/01	744(100%)	5.4	5.4/NNE	10.0/NNE	12.1	81.3	6.6	.0	97.4	.9	.3	1.3	NNE/71.0%
3	2018/02	672(100%)	5.1	5.0/NNE	9.4/NNE	21.4	74.9	3.7	.0	94.3	1.8	.1	3.7	NNE/56.4%
4	2018/03	744(100%)	3.7	3.4/NNE	9.2/NNE	46.4	51.2	2.4	.0	78.5	4.0	3.8	13.7	N /42.5%
5	2018/04	720(100%)	2.9	2.0/N	9.7/NNE	64.7	33.3	1.9	.0	53.6	5.0	16.3	25.1	N /30.3%
6	2018/05	744(100%)	2.7	.3/SW	8.8/NE	74.1	25.7	.3	.0	23.9	6.0	52.4	17.6	S /24.2%
7	2018/06	720(100%)	3.3	.8/NE	8.1/N	56.0	43.9	.1	.0	44.9	12.1	33.2	9.9	NNE/26.1%
8	2018/07	744(100%)	2.4	.6/SW	6.4/NNE	81.9	18.1	.0	.0	21.2	7.9	48.8	22.0	S /19.9%
9	2018/08	744(100%)	2.7	1.4/S	11.6/WNW	72.3	27.0	.7	.0	7.3	26.1	47.3	19.4	S /30.5%
10	2018/09	720(100%)	3.6	2.6/NNE	8.8/NNE	53.1	45.7	1.3	.0	58.8	5.6	22.9	12.8	NNE/40.6%
11	2018/10	744(100%)	5.3	5.2/NNE	9.4/NNE	13.4	80.4	6.2	.0	95.6	.0	.0	4.4	NNE/81.2%
12	2018/11	720(100%)	4.5	4.5/NNE	10.2/NNE	24.2	71.1	4.7	.0	96.4	1.1	.0	2.5	NNE/72.1%
13	2018/冬	2160(100%)	5.6	5.6/NNE	10.6/NNE	12.6	76.4	11.0	.0	96.3	.9	.1	2.6	NNE/64.2%
14	2018/春	2208(100%)	3.1	1.7/N	9.7/NNE	61.7	36.8	1.5	.0	52.0	5.0	24.2	18.8	N /26.3%
15	2018/夏	2208(100%)	2.8	.4/S	11.6/WNW	70.2	29.5	.3	.0	24.2	15.4	43.2	17.2	S /23.5%
16	2018/秋	2184(100%)	4.5	4.1/NNE	10.2/NNE	30.0	65.9	4.1	.0	83.7	2.2	7.6	6.5	NNE/64.8%
17	2018/年	8760(100%)	4.0	2.7/NNE	11.6/WNW	43.8	52.0	4.2	.0	63.8	5.9	18.9	11.3	NNE/41.0%

1-2-4

表1.2.5 2018年澎湖海域 I 站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	2017/12	744(100%)	12.8	12.6/NNE	21.7/NNE	.1	12.9	43.3	43.7	95.2	.0	.0	4.8	NNE/61.6%
2	2018/01	744(100%)	10.8	10.6/NNE	18.7/NNE	2.2	16.0	61.3	20.6	96.2	.8	.3	2.7	NNE/68.1%
3	2018/02	672(100%)	10.4	10.1/NNE	18.2/NNE	3.6	26.6	41.7	28.1	93.5	2.5	.4	3.6	NNE/48.2%
4	2018/03	744(100%)	7.0	6.4/NNE	19.1/NNE	18.1	45.6	30.0	6.3	80.0	4.6	3.4	12.1	N /45.2%
5	2018/04	720(100%)	5.3	3.8/N	19.6/N	40.8	36.5	17.8	4.9	56.4	4.6	16.4	22.6	N /37.5%
6	2018/05	744(100%)	4.1	.4/W	12.9/NNE	43.4	46.5	10.1	.0	31.3	7.1	47.4	14.1	N /21.4%
7	2018/06	720(100%)	5.6	1.1/NNE	16.6/NNE	25.8	52.5	18.8	2.9	42.9	16.0	29.3	11.8	N /26.1%
8	2018/07													
9	2018/08													
10	2018/09													
11	2018/10													
12	2018/11													
13	2018/冬	2160(100%)	11.4	11.2/NNE	21.7/NNE	1.9	18.2	49.0	30.9	95.0	1.1	.2	3.7	NNE/59.7%
14	2018/春	2208(100%)	5.5	3.4/N	19.6/N	34.1	42.9	19.3	3.7	55.9	5.4	22.5	16.2	N /34.6%
15	2018/夏	720(33%)	5.6	1.1/NNE	16.6/NNE	25.8	52.5	18.8	2.9	42.9	16.0	29.3	11.8	N /26.1%
16	2018/秋													
17	2018/年	5088(58%)	8.0	6.3/NNE	21.7/NNE	19.2	33.8	31.8	15.1	70.7	5.1	14.0	10.3	NNE/36.5%

表1.2.6 2018年澎湖海域 R 站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	2017/12	151(20%)	10.1	9.5/NNE	16.4/NNE	.0	13.9	79.5	6.6	93.4	.0	.0	6.6	NNE/61.6%
2	2018/01													
3	2018/02													
4	2018/03													
5	2018/04													
6	2018/05	53(7%)	2.4	1.8/SW	5.7/SSW	84.9	15.1	.0	.0	1.9	1.9	71.7	24.5	SSW/32.1%
7	2018/06	657(91%)	5.4	1.0/NNE	15.4/N	30.3	49.2	20.1	.5	33.6	17.0	32.0	17.4	NNE/17.7%
8	2018/07	676(91%)	4.4	1.8/WSW	11.0/WSW	28.3	67.2	4.6	.0	10.2	13.8	44.1	32.0	SW /13.3%
9	2018/08	685(92%)	4.9	2.9/SSW	13.5/W	32.6	53.6	13.9	.0	6.4	27.2	49.9	16.5	S /16.6%
10	2018/09	628(87%)	6.6	5.0/N	15.5/NNE	31.7	32.5	30.4	5.4	52.5	6.7	21.5	19.3	N /27.2%
11	2018/10	732(98%)	9.4	9.2/NNE	16.7/N	2.0	31.6	57.7	8.7	90.0	.0	.0	10.0	NNE/57.2%
12	2018/11	670(93%)	8.2	8.0/NNE	17.0/NNE	3.4	43.0	48.2	5.4	88.2	.1	.0	11.6	NNE/53.6%
13	2018/冬	151(7%)	10.1	9.5/NNE	16.4/NNE	.0	13.9	79.5	6.6	93.4	.0	.0	6.6	NNE/61.6%
14	2018/春	53(2%)	2.4	1.8/SW	5.7/SSW	84.9	15.1	.0	.0	1.9	1.9	71.7	24.5	SSW/32.1%
15	2018/夏	2018(91%)	4.9	1.2/SW	15.4/N	30.4	56.7	12.8	.1	16.6	19.4	42.1	22.0	SSW/14.2%
16	2018/秋	2030(93%)	8.1	7.5/NNE	17.0/NNE	11.7	35.6	46.1	6.6	77.8	2.1	6.7	13.4	NNE/46.5%
17	2018/年	4252(49%)	6.6	3.4/N	17.0/NNE	21.0	44.6	30.9	3.5	48.4	10.2	24.1	17.4	NNE/27.8%

1-2-6

1.3 2018 年澎湖海域**主要測站 1**(修補後)與 **其他測站**(修補前)風力歷線比較圖

Wind Speed in Peng-Hu Seas of PHY0 at 2018

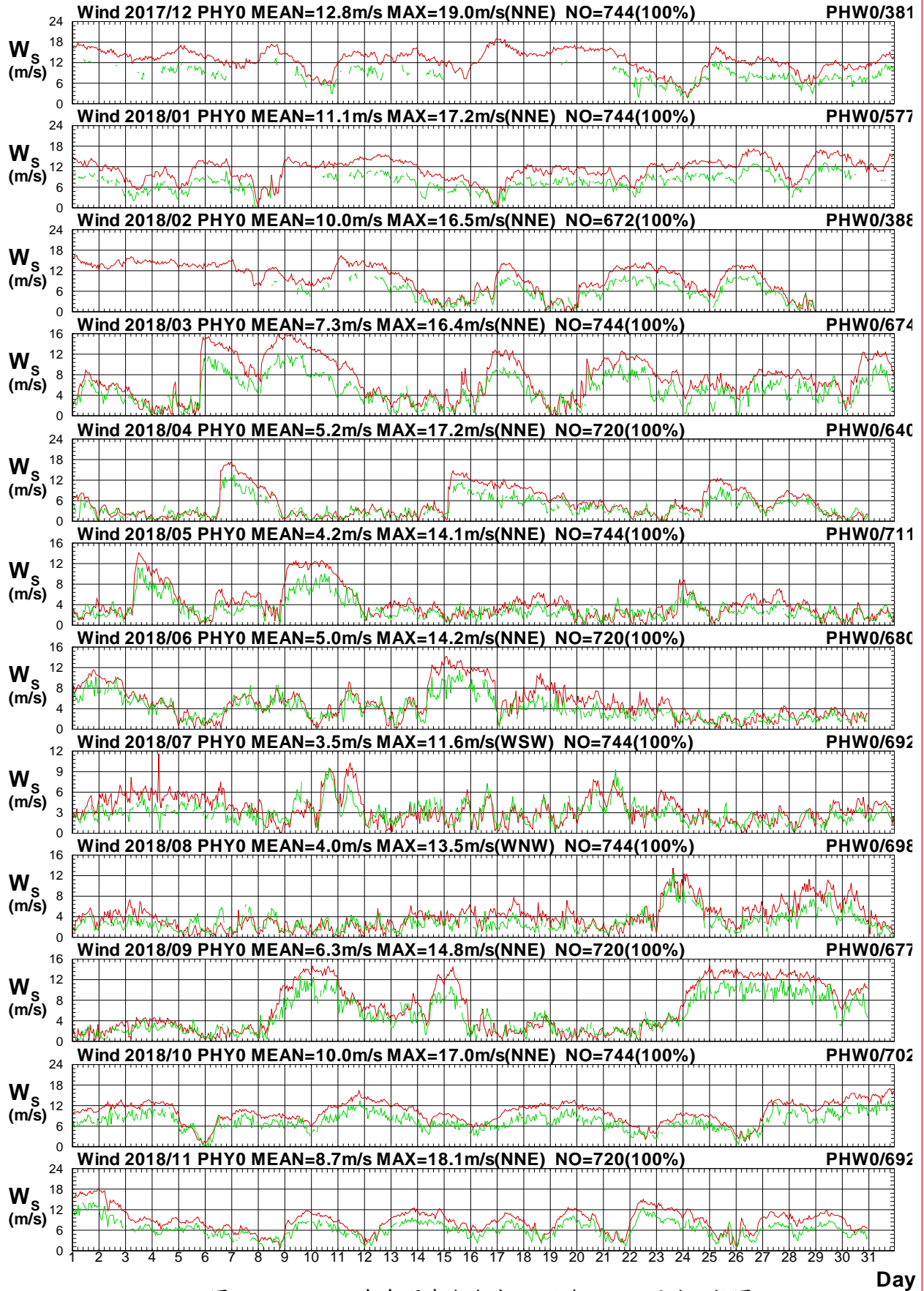


圖1.3.1a 2018年每月澎湖海域 Y 站與 W 站風速比較圖

W17CPHY0.1HA W17CPHW0.1HO W181PHY0.1HA W181PHW0.1HO W182PHY0.1HA W182PHW0.1HO
 W183PHY0.1HA W183PHW0.1HO W184PHY0.1HA W184PHW0.1HO W185PHY0.1HA W185PHW0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

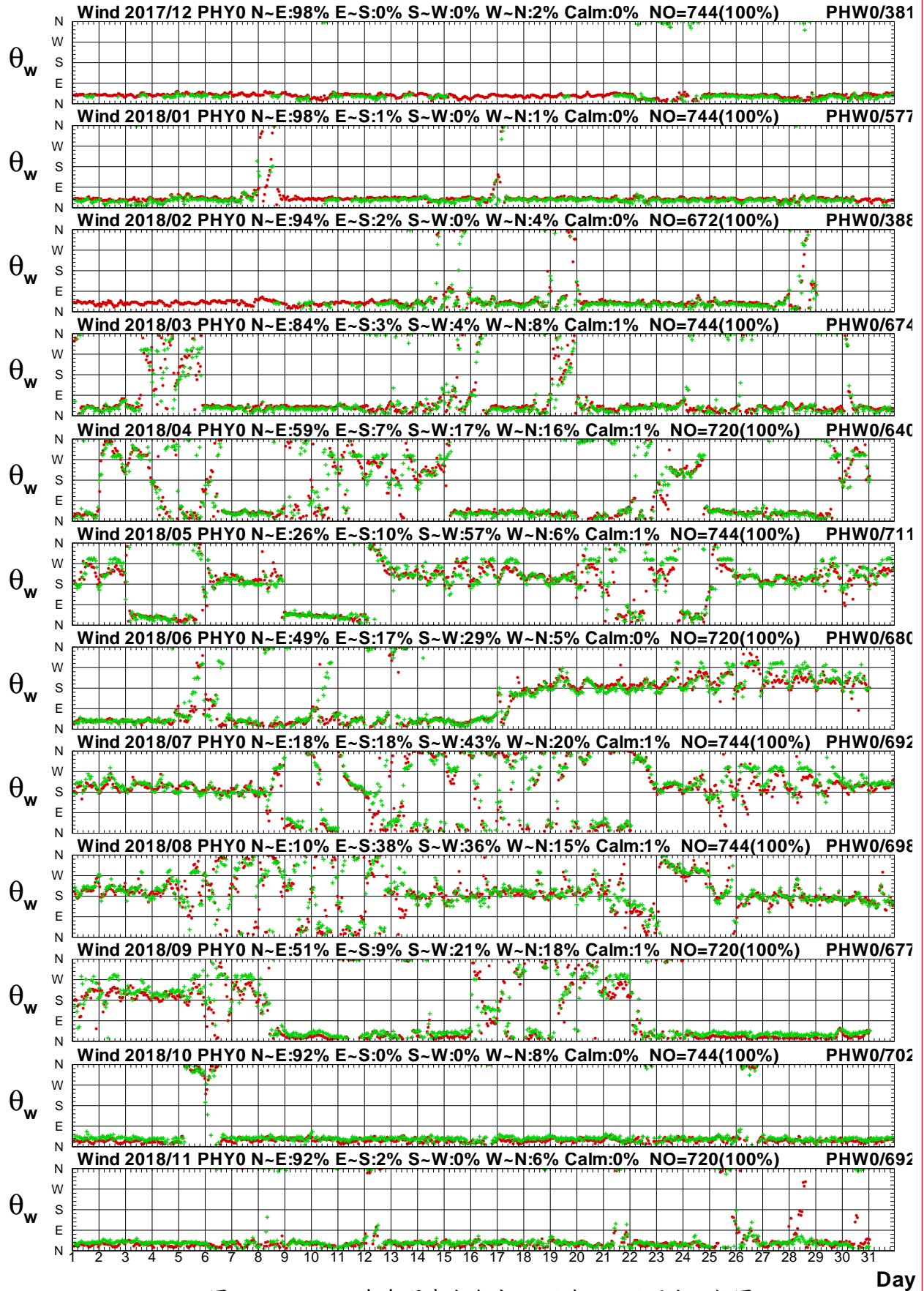


圖1.3.1b 2018年每月澎湖海域 Y 站與 W 站風向比較圖

W17CPHY0.1HA W17CPHW0.1H0 W181PHY0.1HA W181PHW0.1H0 W182PHY0.1HA W182PHW0.1H0
 W183PHY0.1HA W183PHW0.1H0 W184PHY0.1HA W184PHW0.1H0 W185PHY0.1HA W185PHW0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

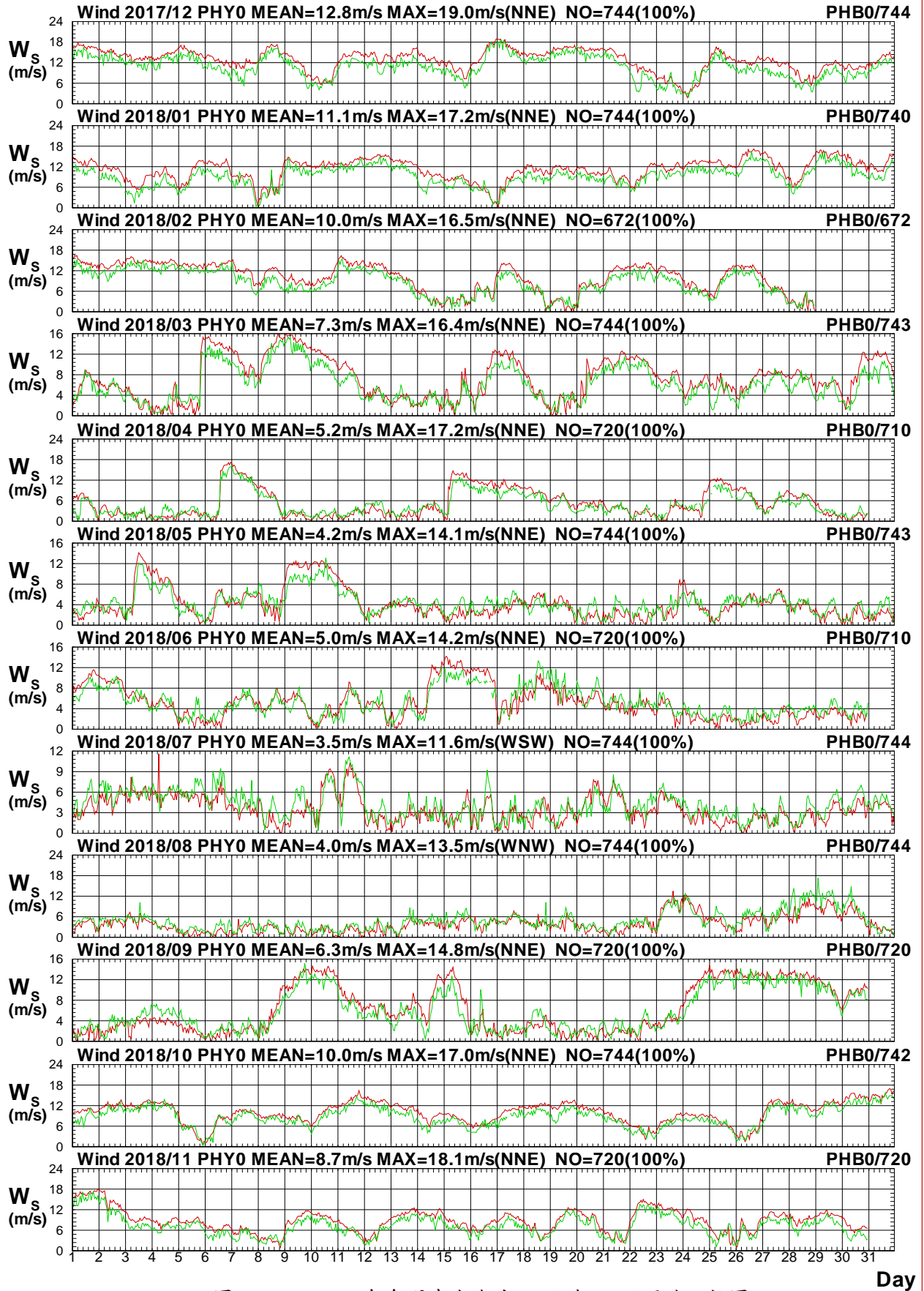


圖1.3.2a 2018年每月澎湖海域 Y 站與 B 站風速比較圖

W17CPHY0.1HA W17CPHB0.1HO W181PHY0.1HA W181PHB0.1HO W182PHY0.1HA W182PHB0.1HO
 W183PHY0.1HA W183PHB0.1HO W184PHY0.1HA W184PHB0.1HO W185PHY0.1HA W185PHB0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

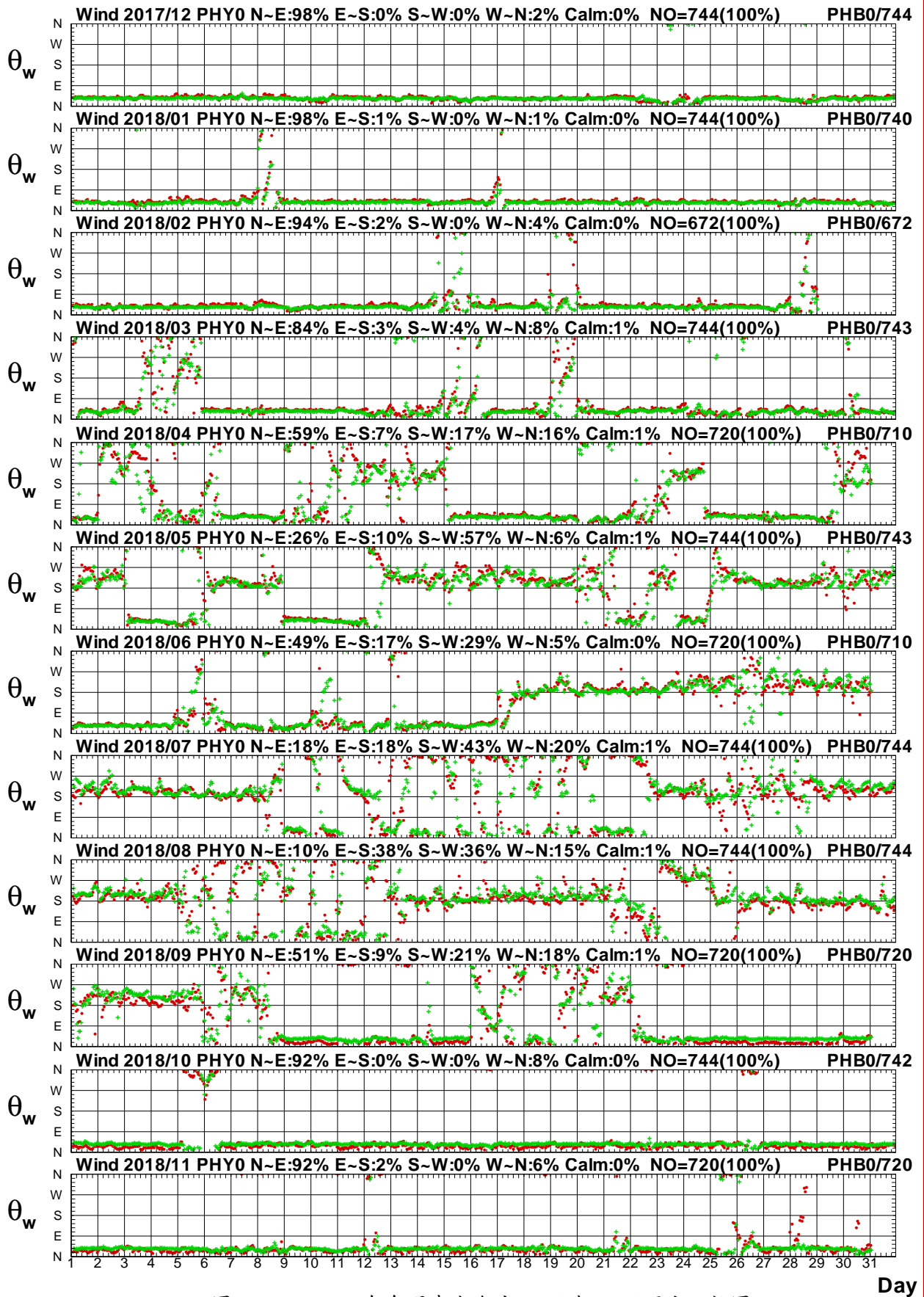


圖1.3.2b 2018年每月澎湖海域 Y 站與 B 站風向比較圖

W17CPHY0.1HA W17CPHB0.1HO W181PHY0.1HA W181PHB0.1HO W182PHY0.1HA W182PHB0.1HO
 W183PHY0.1HA W183PHB0.1HO W184PHY0.1HA W184PHB0.1HO W185PHY0.1HA W185PHB0.1HO

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

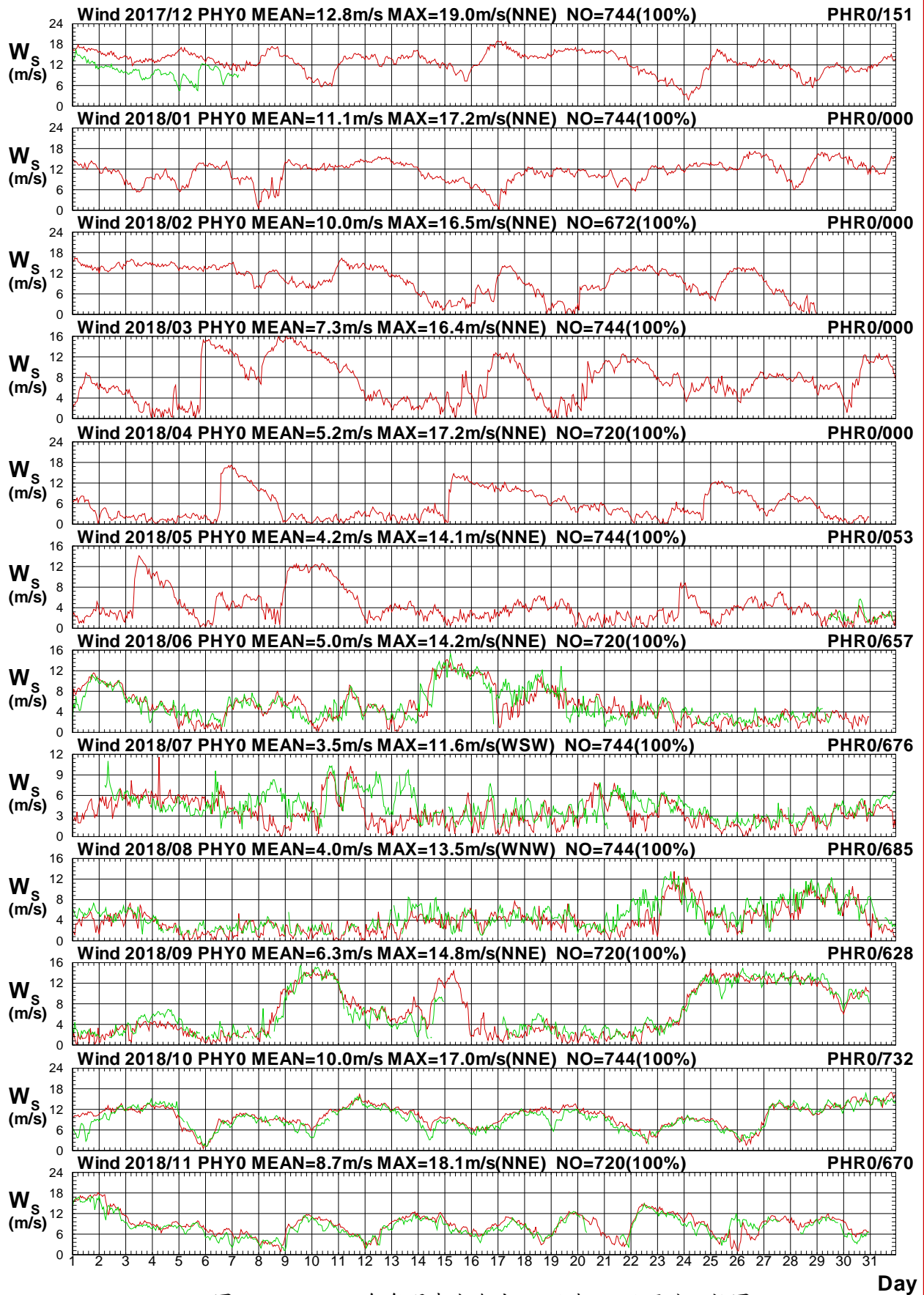


圖1.3.3a 2018年每月澎湖海域 Y 站與 R 站風速比較圖

W17CPHY0.1HA W17CPRH0.1H0 W181PHY0.1HA W181PHR0.1H0 W182PHY0.1HA W182PHR0.1H0
 W183PHY0.1HA W183PHR0.1H0 W184PHY0.1HA W184PHR0.1H0 W185PHY0.1HA W185PHR0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

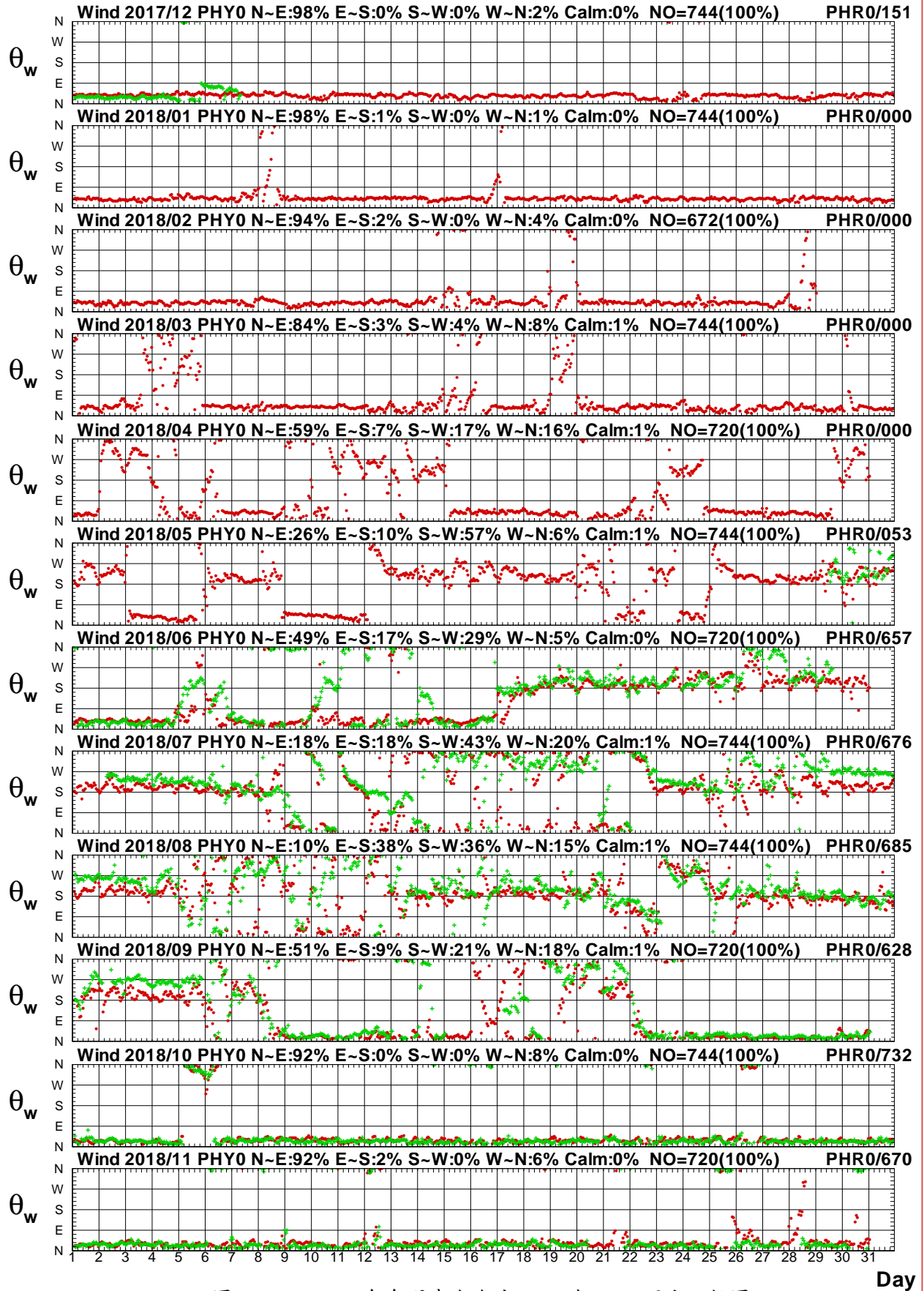


圖1.3.3b 2018年每月澎湖海域 Y 站與 R 站風向比較圖

W17CPHY0.1HA W17CPRH0.1H0 W181PHY0.1HA W181PHR0.1H0 W182PHY0.1HA W182PHR0.1H0
 W183PHY0.1HA W183PHR0.1H0 W184PHY0.1HA W184PHR0.1H0 W185PHY0.1HA W185PHR0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

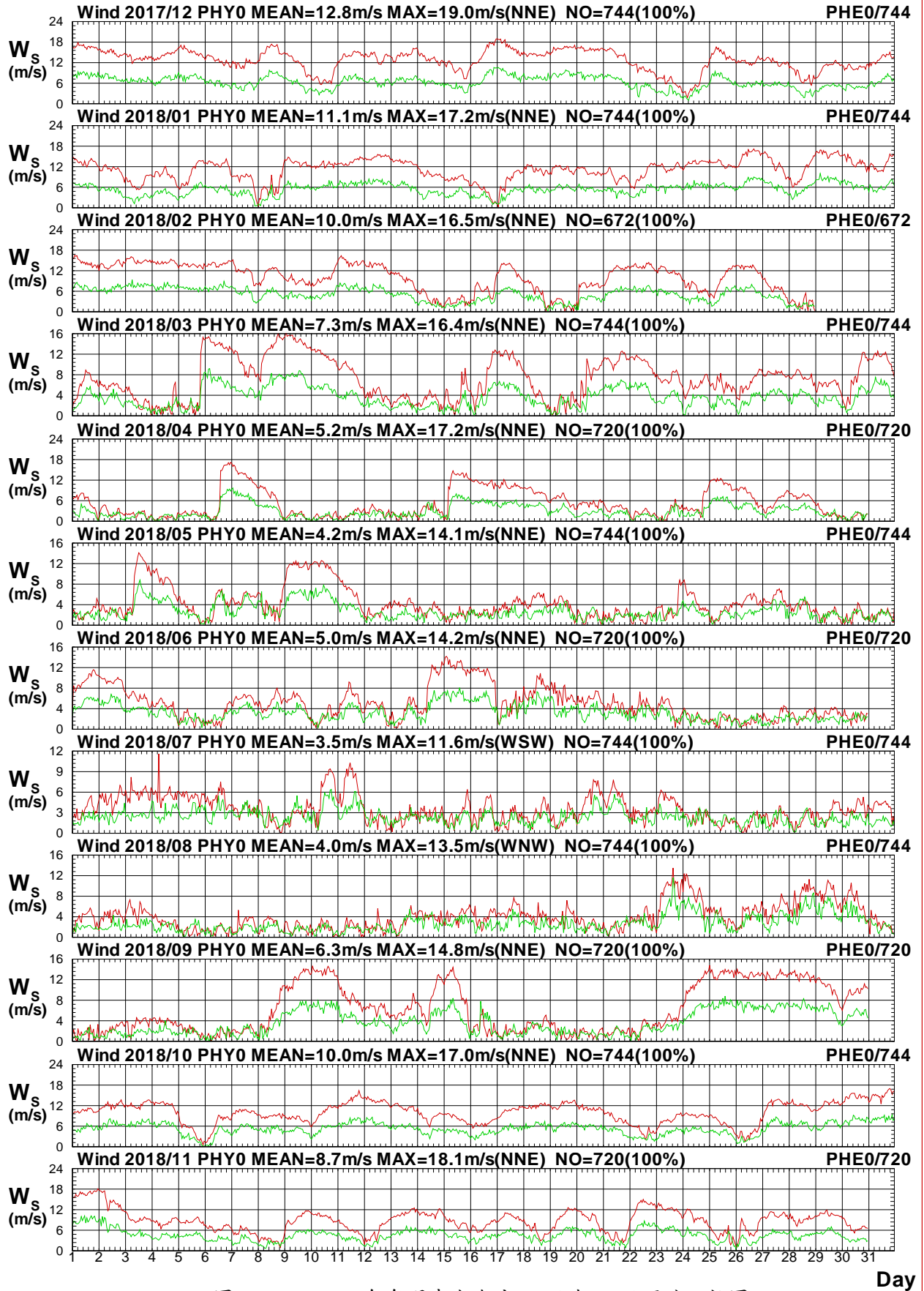


圖1.3.4a 2018年每月澎湖海域 Y 站與 E 站風速比較圖

W17CPHY0.1HA W17CPHE0.1HO W181PHY0.1HA W181PHE0.1HO W182PHY0.1HA W182PHE0.1HO
 W183PHY0.1HA W183PHE0.1HO W184PHY0.1HA W184PHE0.1HO W185PHY0.1HA W185PHE0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

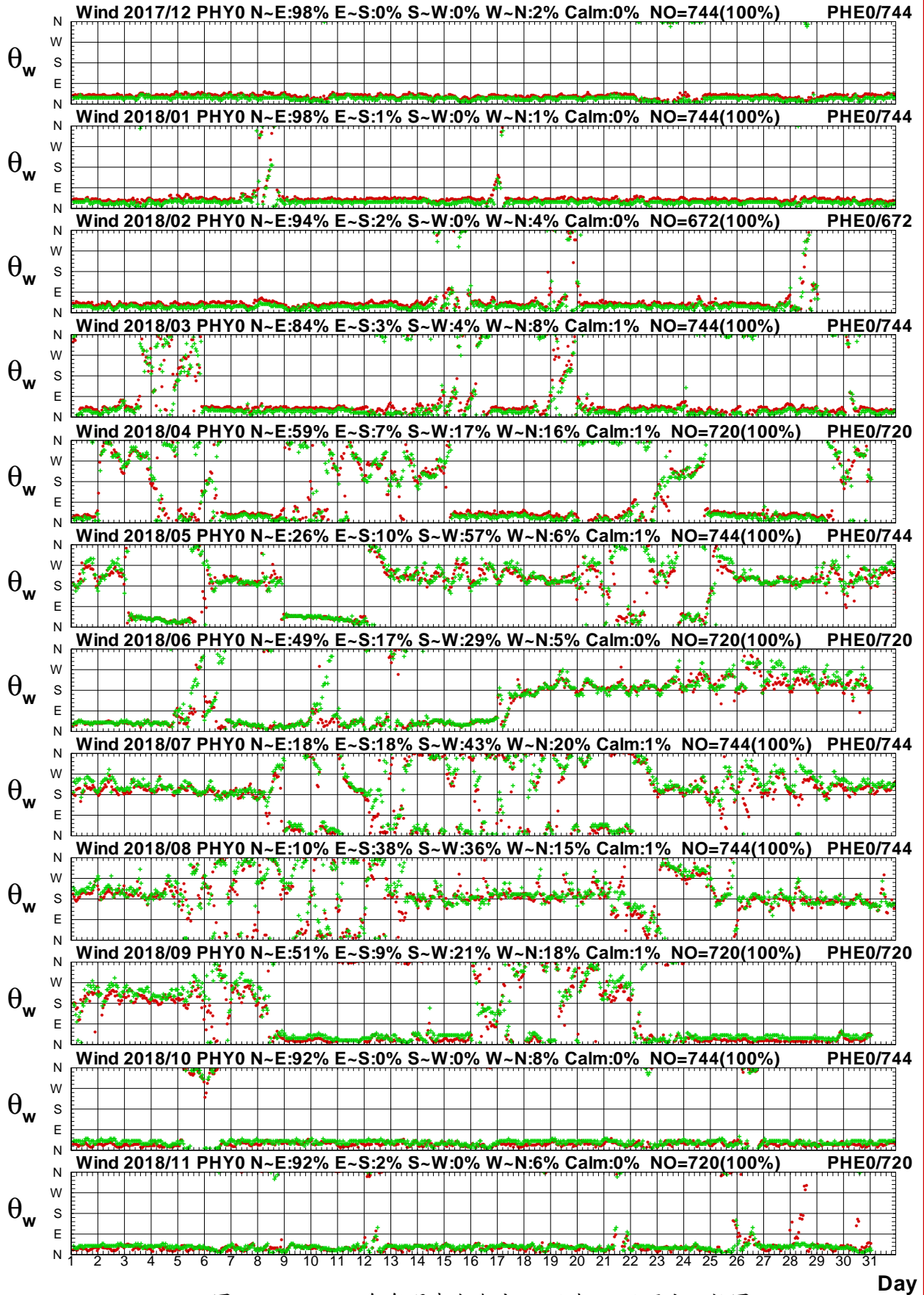


圖1.3.4b 2018年每月澎湖海域 Y 站與 E 站風向比較圖

W17CPHY0.1HA W17CPHE0.1HO W181PHY0.1HA W181PHE0.1HO W182PHY0.1HA W182PHE0.1HO
 W183PHY0.1HA W183PHE0.1HO W184PHY0.1HA W184PHE0.1HO W185PHY0.1HA W185PHE0.1HO

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

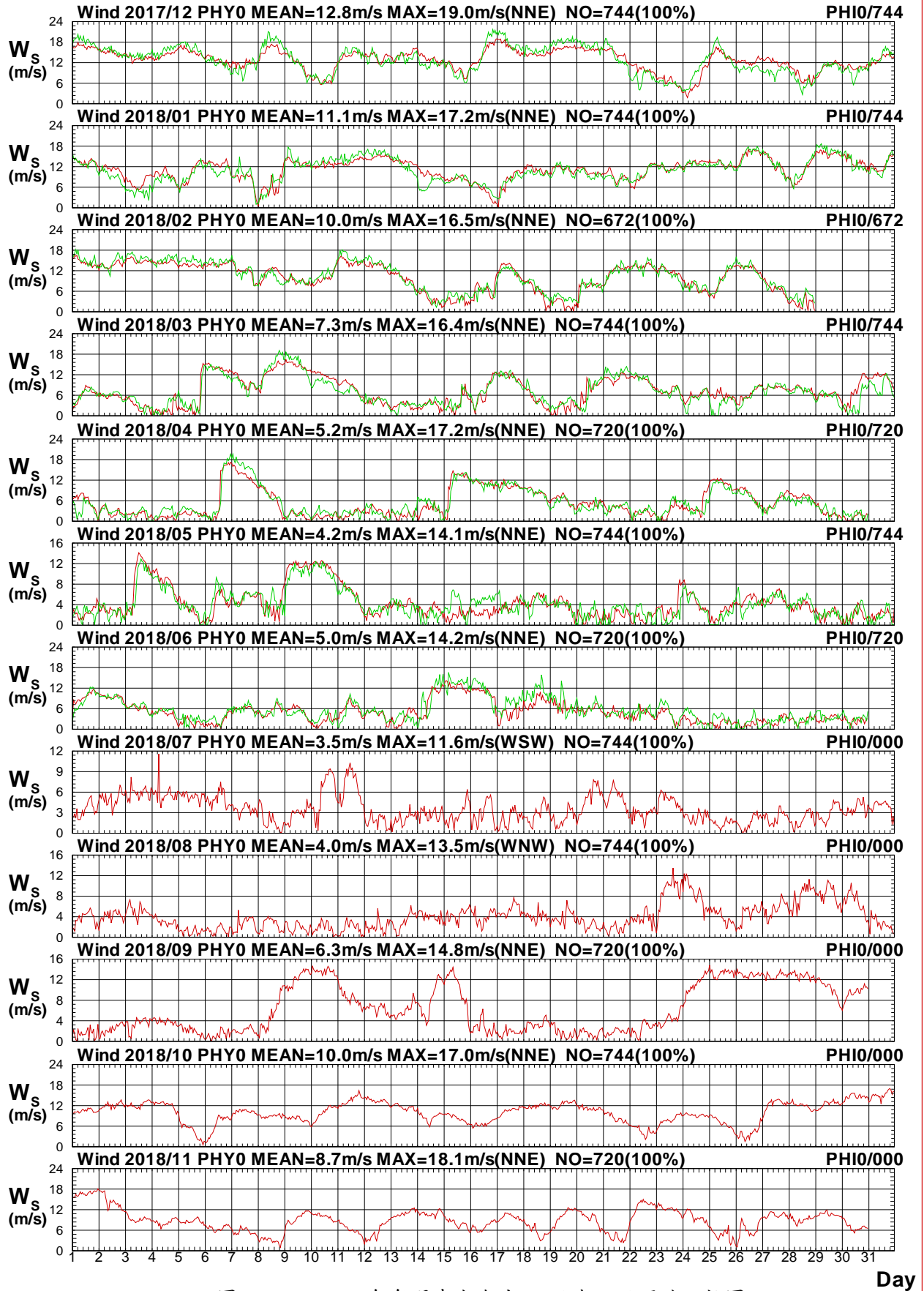


圖1.3.5a 2018年每月澎湖海域 Y 站與 I 站風速比較圖

W17CPHY0.1HA W17CPHI0.1H0 W181PHY0.1HA W181PHI0.1H0 W182PHY0.1HA W182PHI0.1H0
 W183PHY0.1HA W183PHI0.1H0 W184PHY0.1HA W184PHI0.1H0 W185PHY0.1HA W185PHI0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

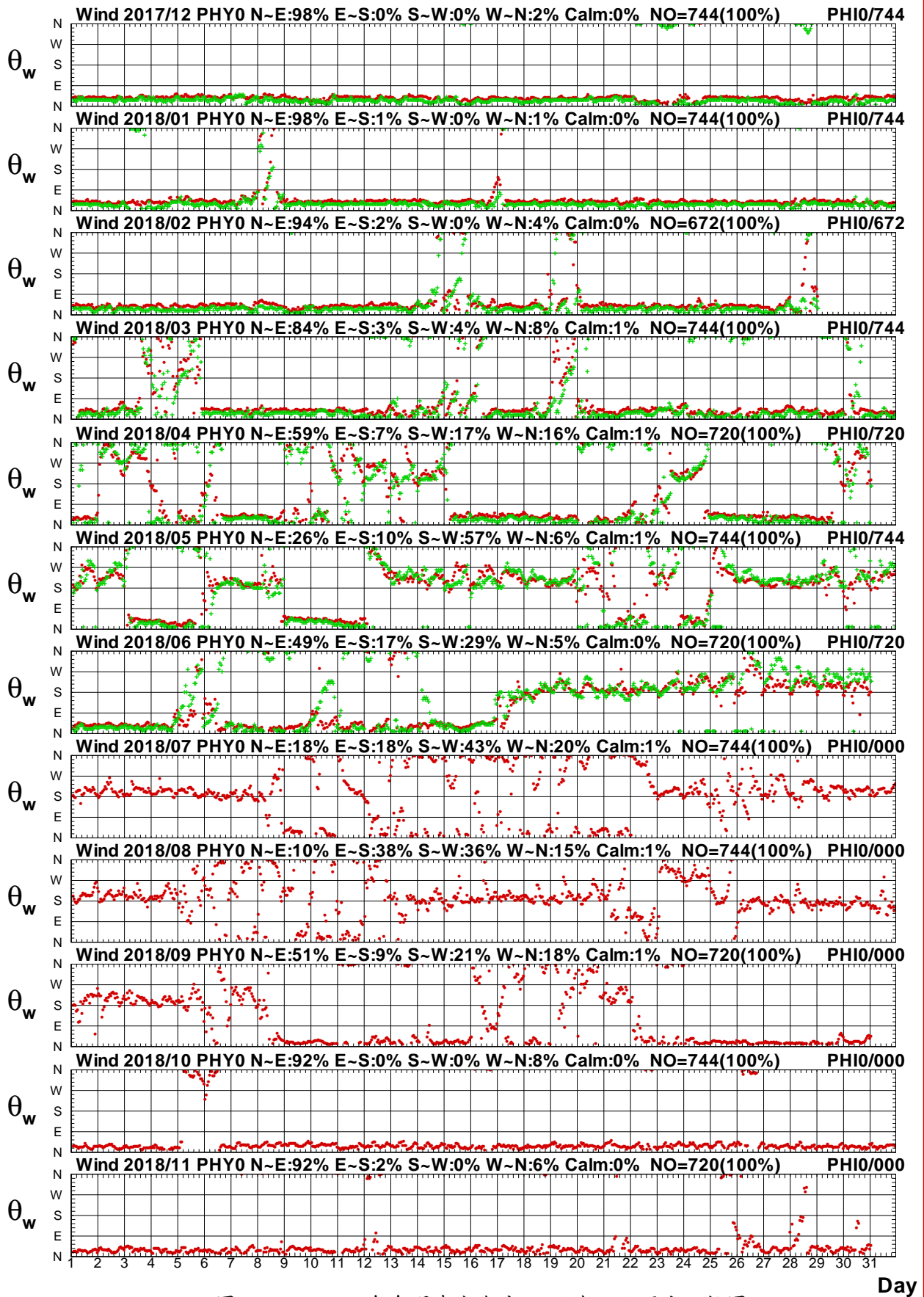


圖1.3.5b 2018年每月澎湖海域 Y 站與 I 站風向比較圖

W17CPHY0.1HA W17CPhi0.1H0 W181PHY0.1HA W181Phi0.1H0 W182PHY0.1HA W182Phi0.1H0
 W183PHY0.1HA W183Phi0.1H0 W184PHY0.1HA W184Phi0.1H0 W185PHY0.1HA W185Phi0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

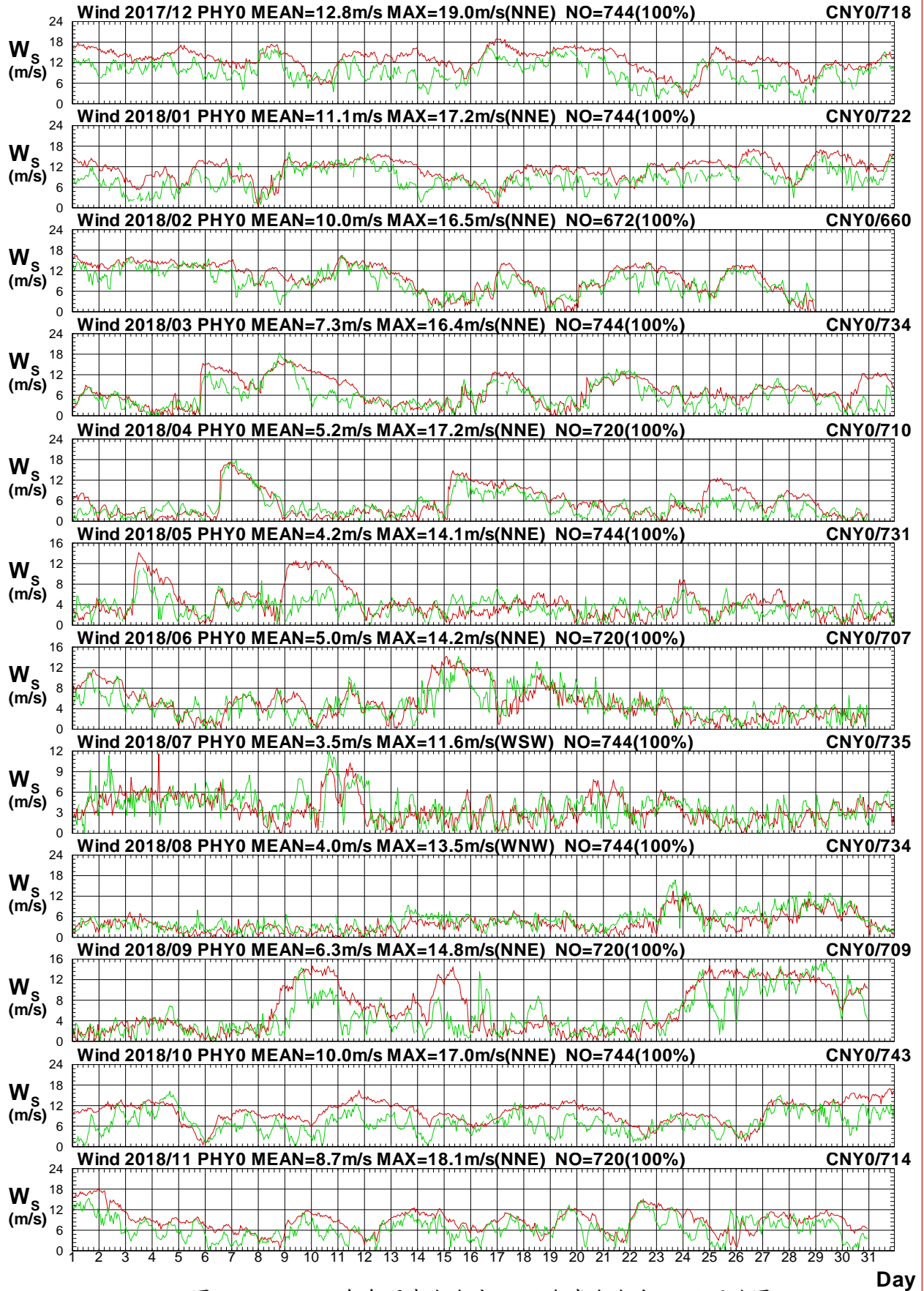


圖1.3.6a 2018年每月澎湖海域 Y 站與嘉南海域 Y 站風速圖

W17CPHY0.1HA W17CCNY0.1HO W181PHY0.1HA W181CNY0.1HO W182PHY0.1HA W182CNY0.1HO
 W183PHY0.1HA W183CNY0.1HO W184PHY0.1HA W184CNY0.1HO W185PHY0.1HA W185CNY0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

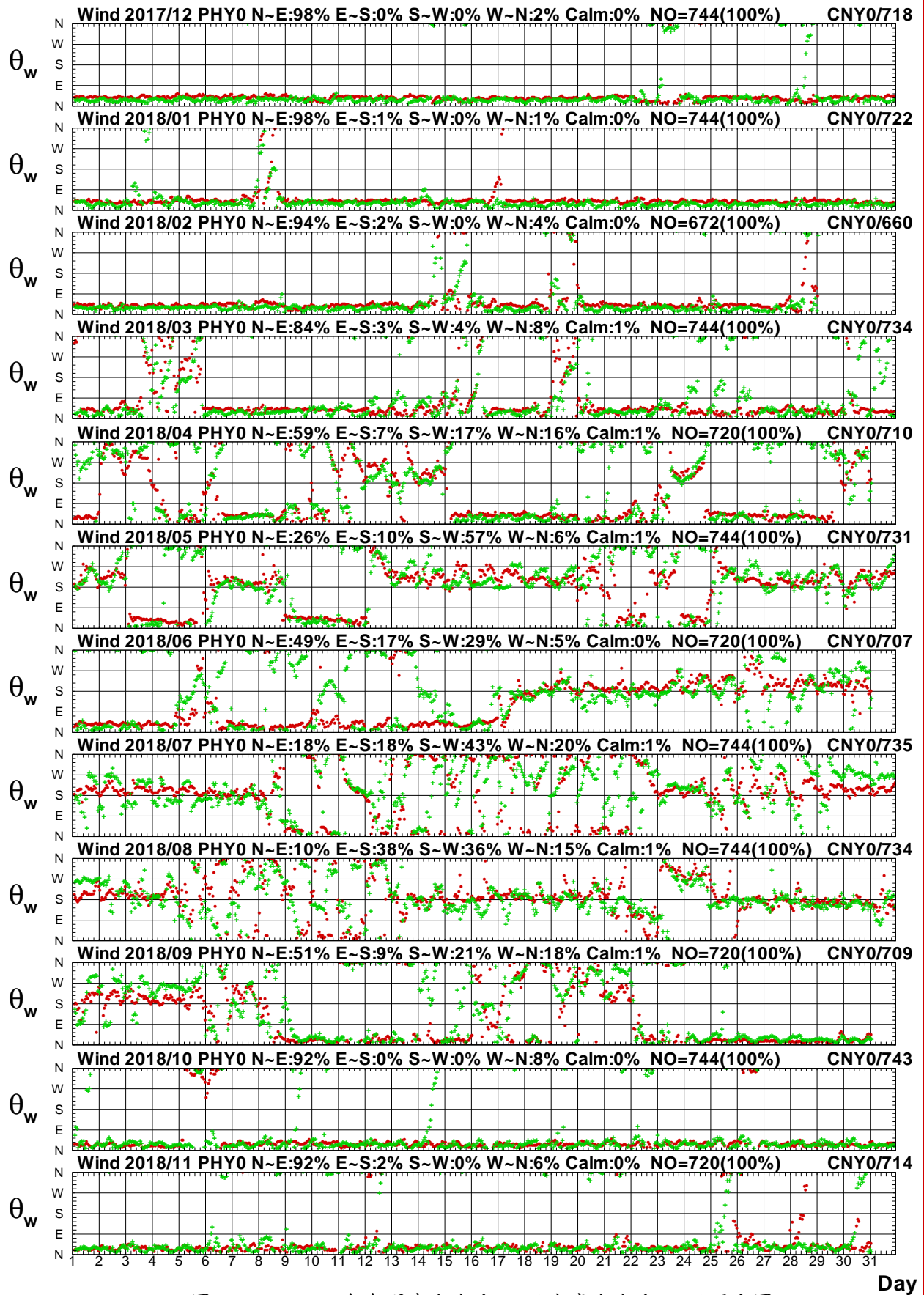


圖1.3.6b 2018年每月澎湖海域 Y 站與嘉南海域 Y 站風向圖

W17CPHY0.1HA W17CCNY0.1H0 W181PHY0.1HA W181CNY0.1H0 W182PHY0.1HA W182CNY0.1H0
 W183PHY0.1HA W183CNY0.1H0 W184PHY0.1HA W184CNY0.1H0 W185PHY0.1HA W185CNY0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

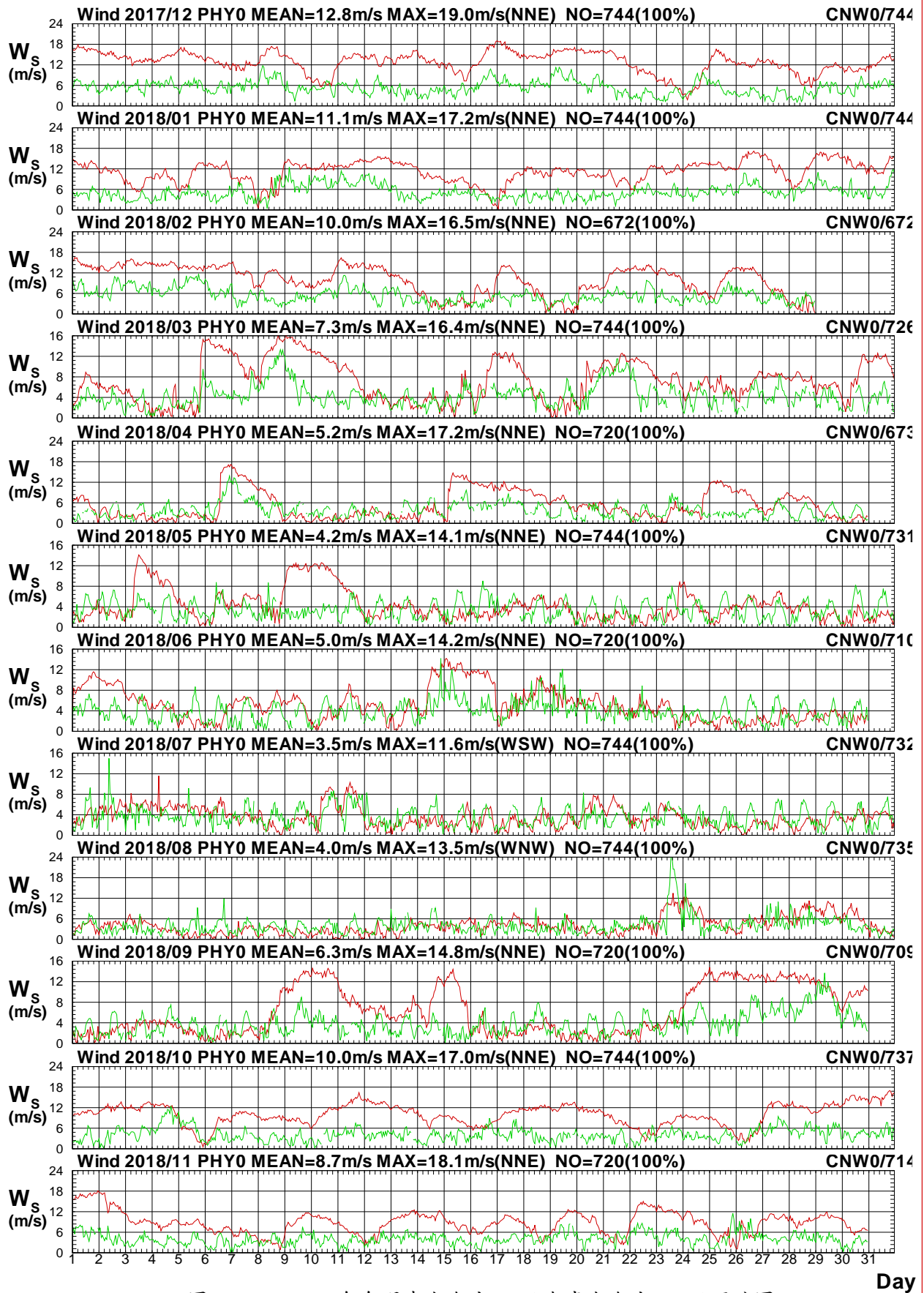


圖1.3.7a 2018年每月澎湖海域 Y 站與嘉南海域 W 站風速圖

W17CPHY0.1HA W17CCNW0.1H0 W181PHY0.1HA W181CNW0.1H0 W182PHY0.1HA W182CNW0.1H0
 W183PHY0.1HA W183CNW0.1H0 W184PHY0.1HA W184CNW0.1H0 W185PHY0.1HA W185CNW0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

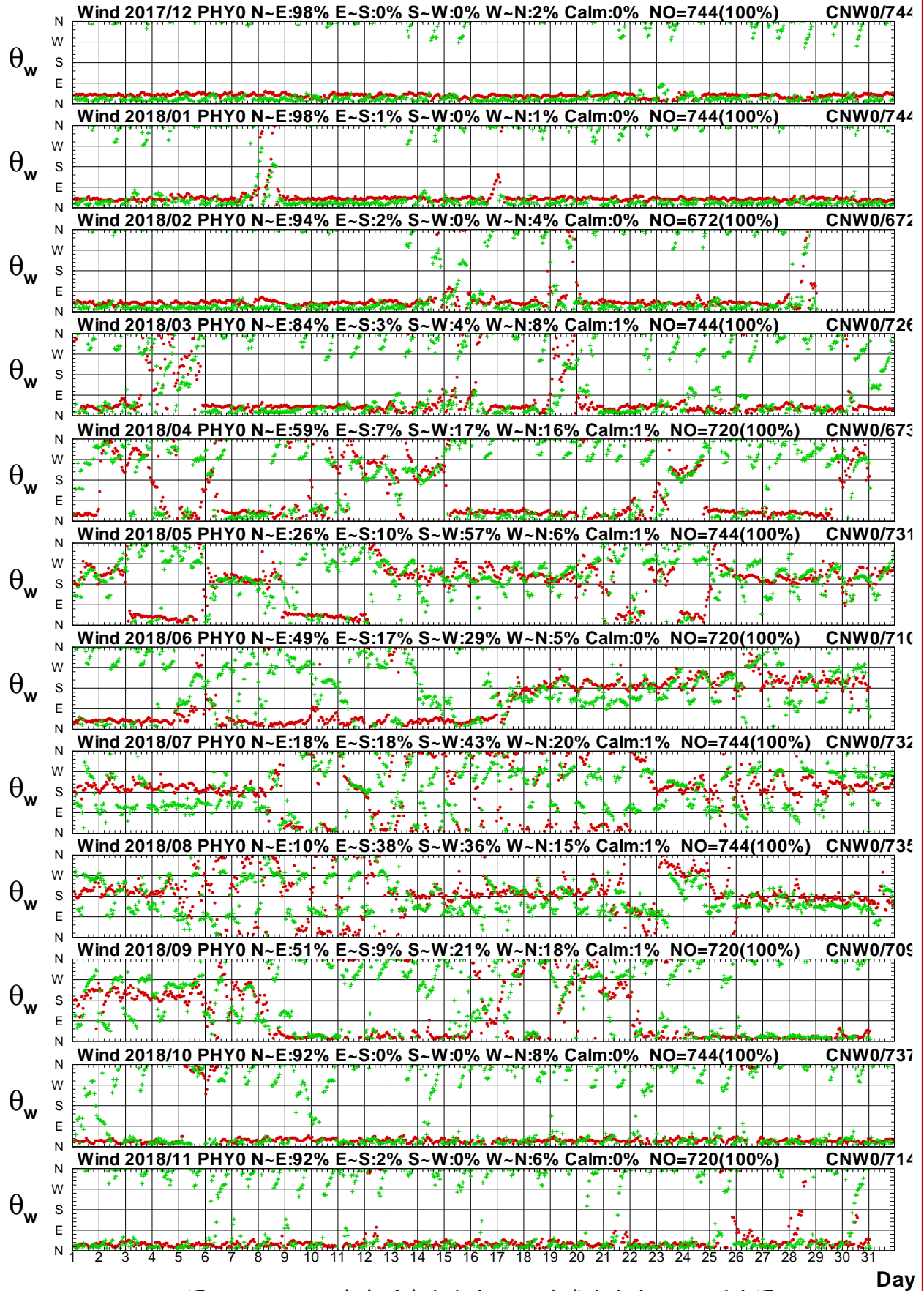


圖1.3.7b 2018年每月澎湖海域 Y 站與嘉南海域 W 站風向圖

W17CPHY0.1HA W17CCNW0.1H0 W181PHY0.1HA W181CNW0.1H0 W182PHY0.1HA W182CNW0.1H0
 W183PHY0.1HA W183CNW0.1H0 W184PHY0.1HA W184CNW0.1H0 W185PHY0.1HA W185CNW0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

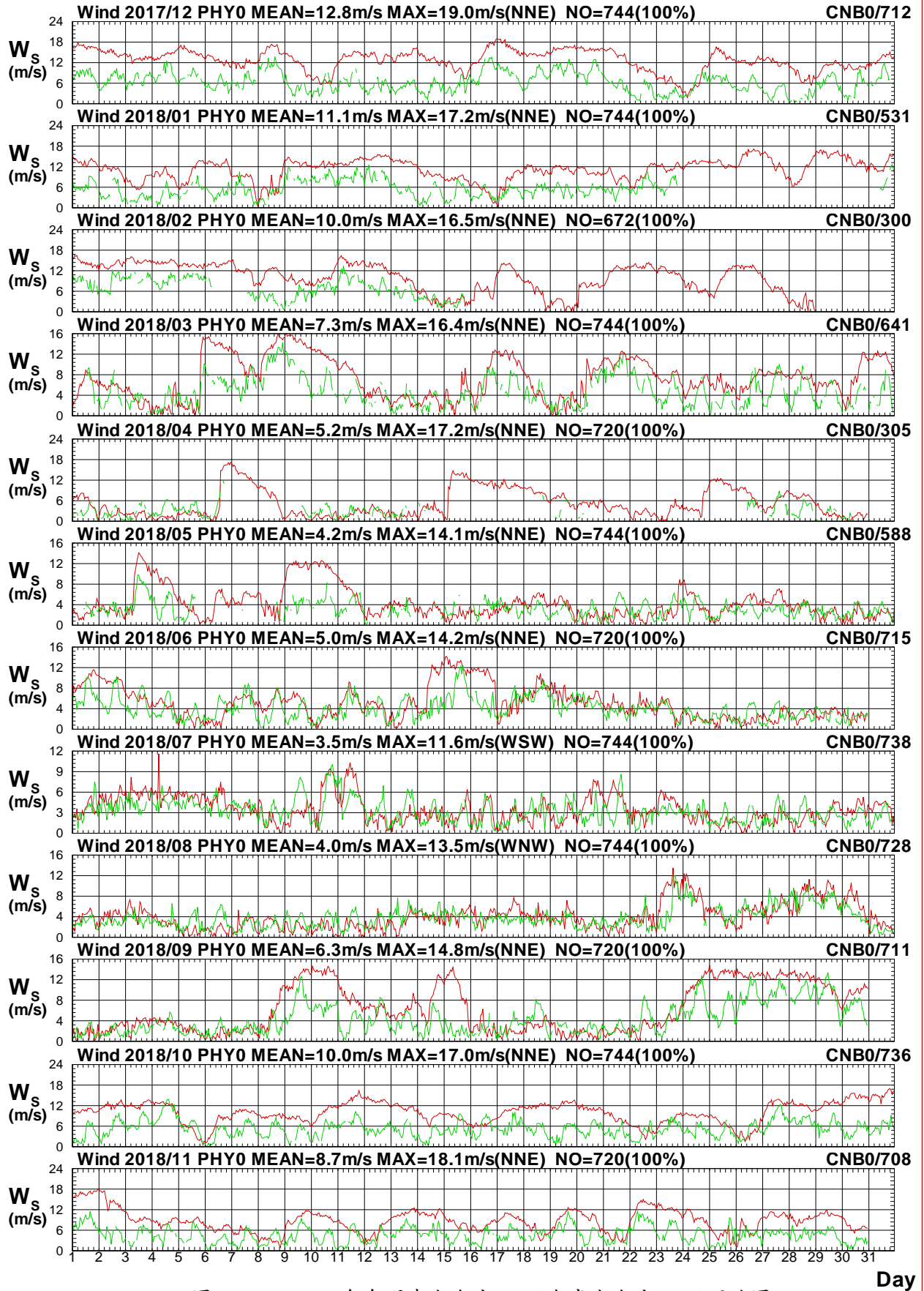


圖1.3.8a 2018年每月澎湖海域 Y 站與嘉南海域 B 站風速圖

W17CPHY0.1HA W17CCNB0.1HO W181PHY0.1HA W181CNB0.1HO W182PHY0.1HA W182CNB0.1HO
 W183PHY0.1HA W183CNB0.1HO W184PHY0.1HA W184CNB0.1HO W185PHY0.1HA W185CNB0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

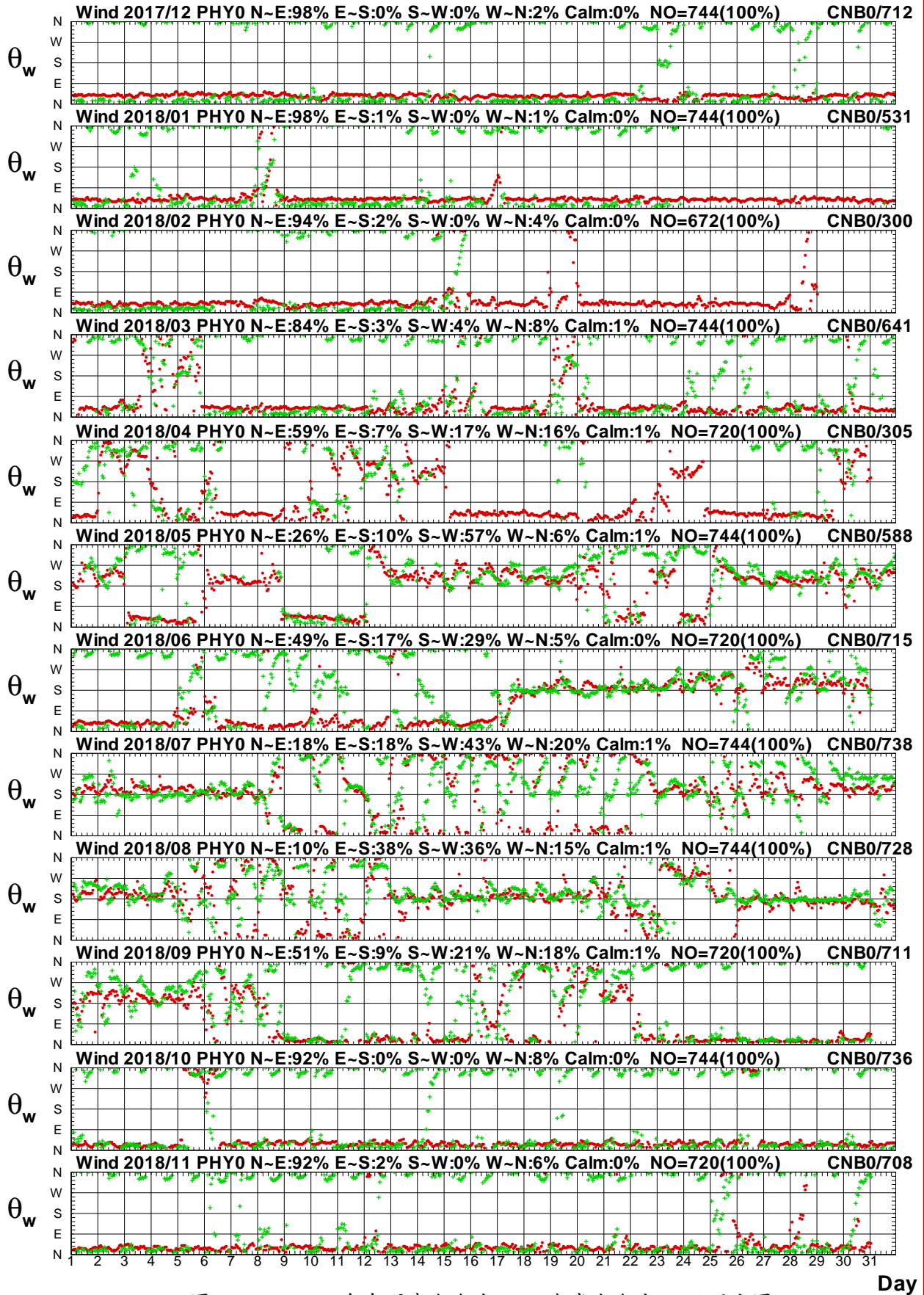


圖1.3.8b 2018年每月澎湖海域 Y 站與嘉南海域 B 站風向圖

W17CPHY0.1HA W17CCNB0.1HO W181PHY0.1HA W181CNB0.1HO W182PHY0.1HA W182CNB0.1HO
 W183PHY0.1HA W183CNB0.1HO W184PHY0.1HA W184CNB0.1HO W185PHY0.1HA W185CNB0.1HO

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

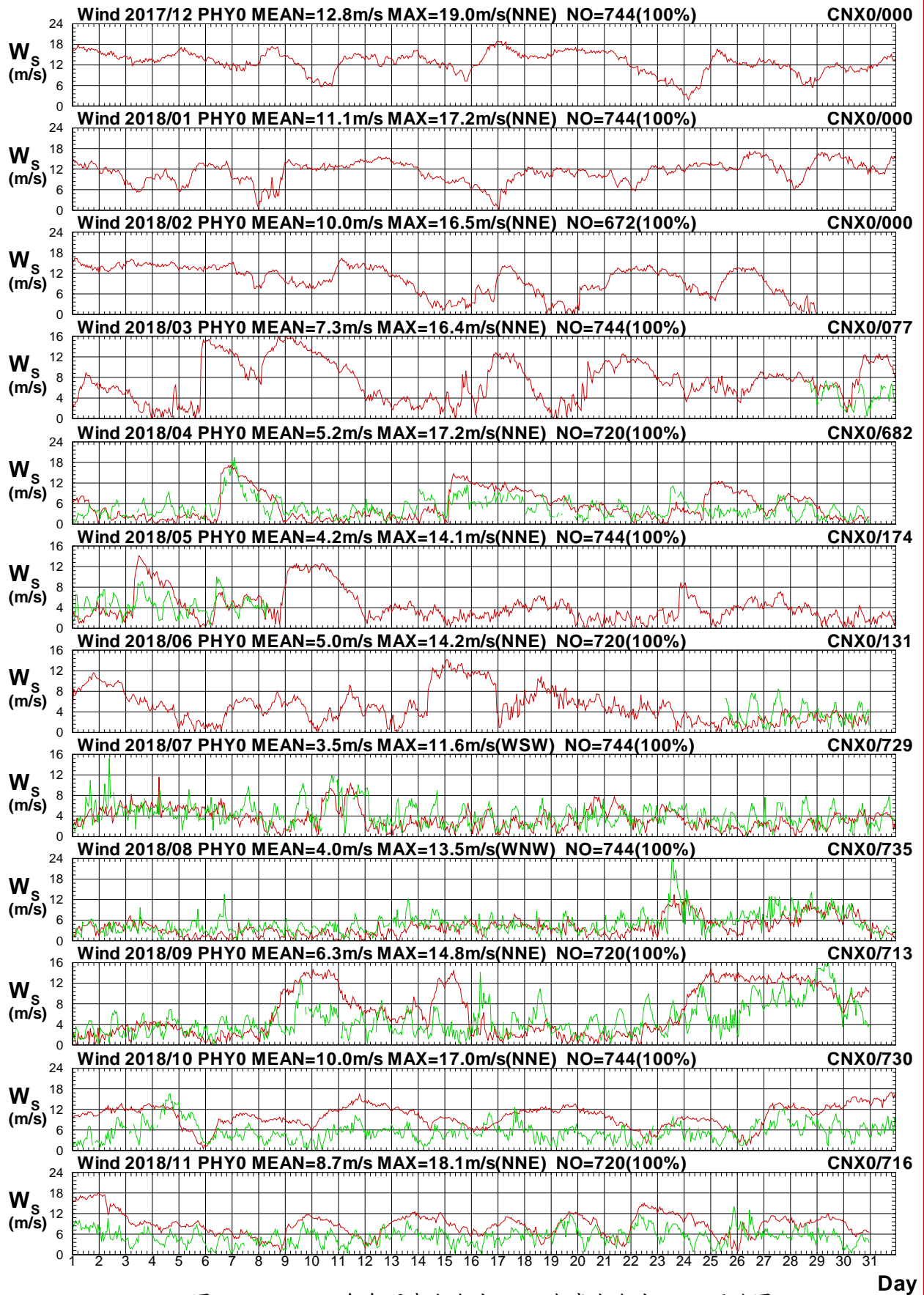


圖1.3.9a 2018年每月澎湖海域 Y 站與嘉南海域 X 站風速圖

W17CPHY0.1HA W17CCNX0.1H0 W181PHY0.1HA W181CNX0.1H0 W182PHY0.1HA W182CNX0.1H0
 W183PHY0.1HA W183CNX0.1H0 W184PHY0.1HA W184CNX0.1H0 W185PHY0.1HA W185CNX0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

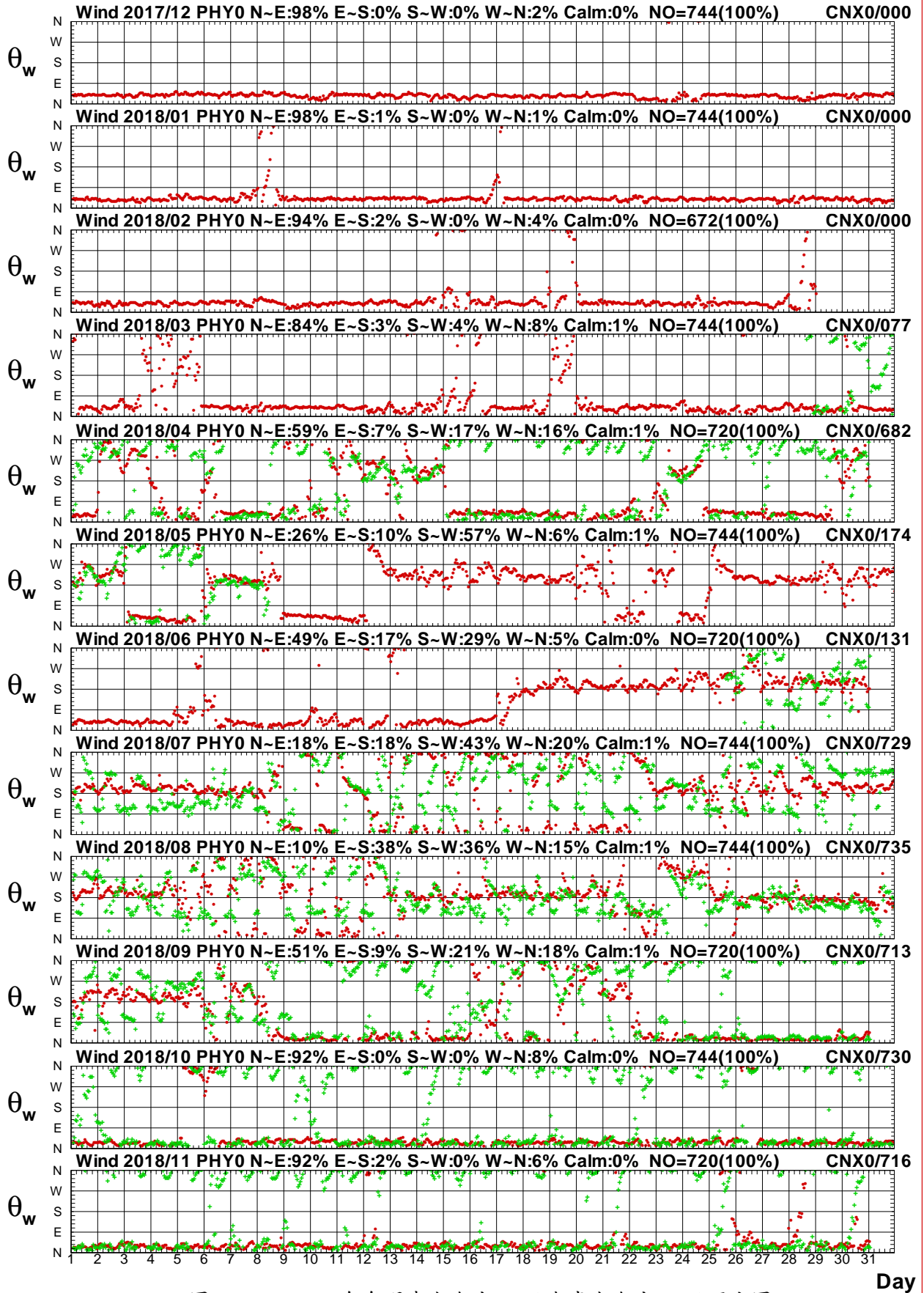


圖1.3.9b 2018年每月澎湖海域 Y 站與嘉南海域 X 站風向圖

W17CPHY0.1HA W17CCNX0.1HO W181PHY0.1HA W181CNX0.1HO W182PHY0.1HA W182CNX0.1HO
 W183PHY0.1HA W183CNX0.1HO W184PHY0.1HA W184CNX0.1HO W185PHY0.1HA W185CNX0.1HO

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

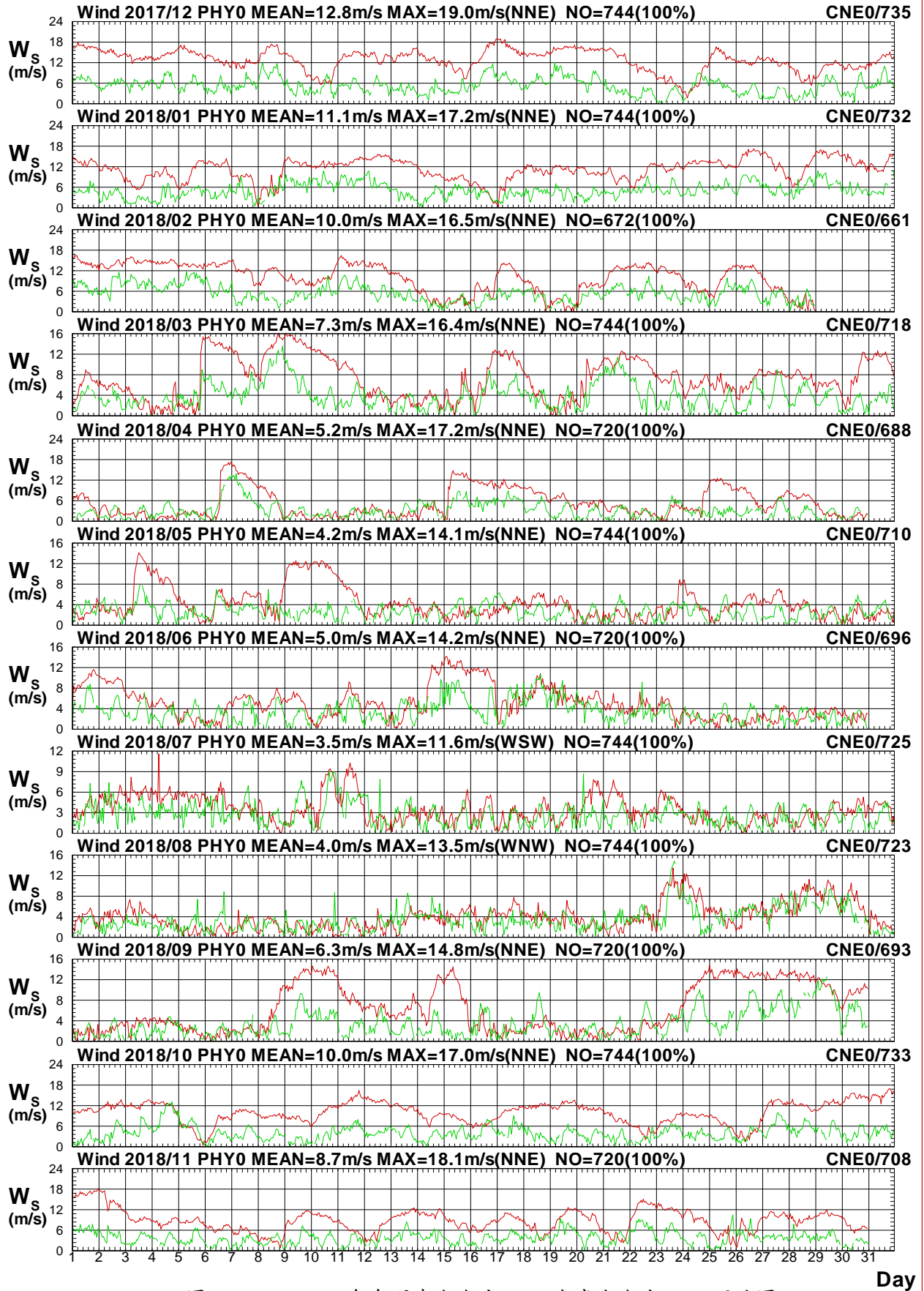


圖1.3.10a 2018年每月澎湖海域 Y 站與嘉南海域 E 站風速圖

W17CPHY0.1HA W17CCNE0.1HO W181PHY0.1HA W181CNE0.1HO W182PHY0.1HA W182CNE0.1HO
 W183PHY0.1HA W183CNE0.1HO W184PHY0.1HA W184CNE0.1HO W185PHY0.1HA W185CNE0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

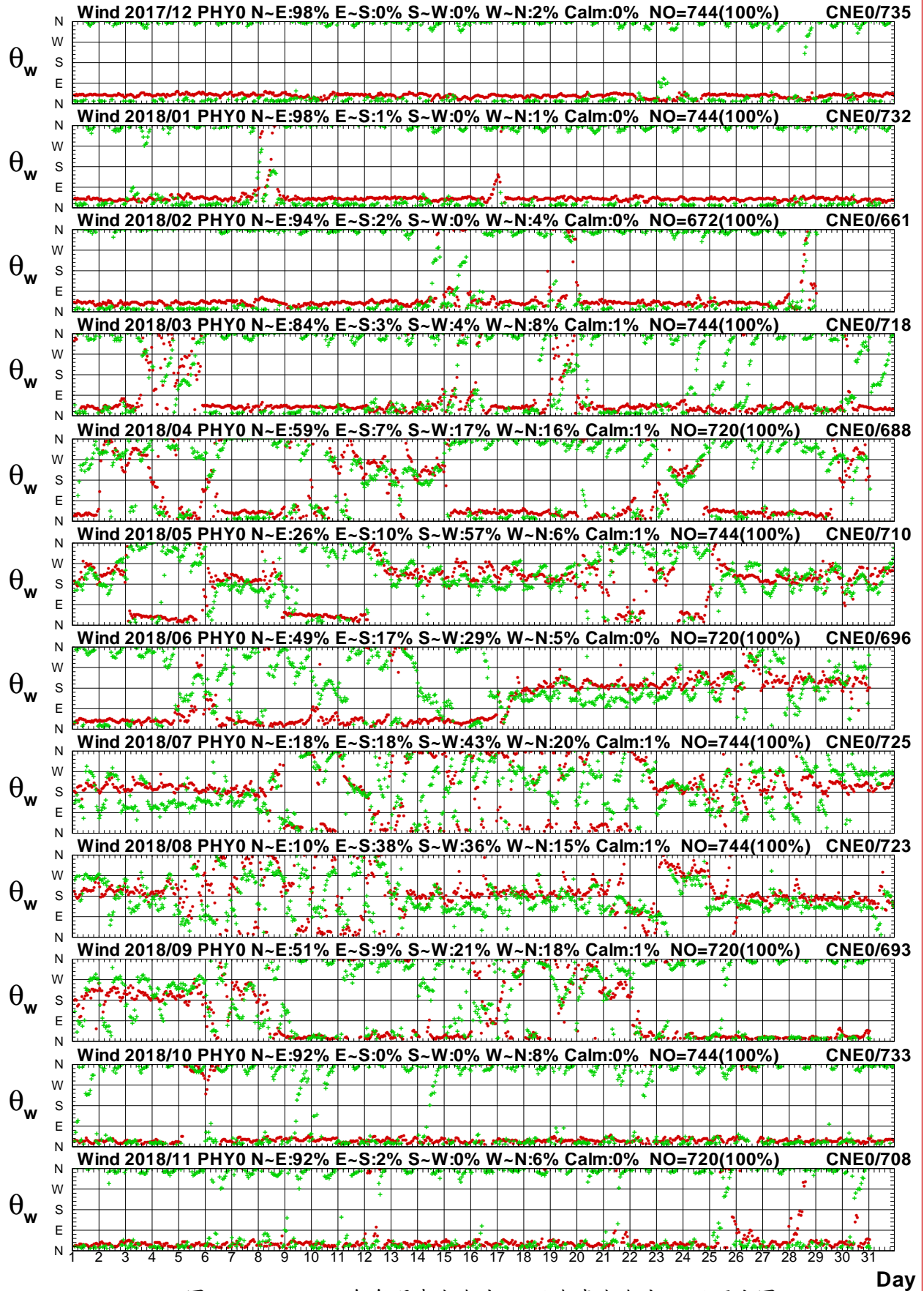


圖 1.3.10b 2018 年每月澎湖海域 Y 站與嘉南海域 E 站風向圖

W17CPHY0.1HA W17CCNE0.1HO W181PHY0.1HA W181CNE0.1HO W182PHY0.1HA W182CNE0.1HO
 W183PHY0.1HA W183CNE0.1HO W184PHY0.1HA W184CNE0.1HO W185PHY0.1HA W185CNE0.1HO

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

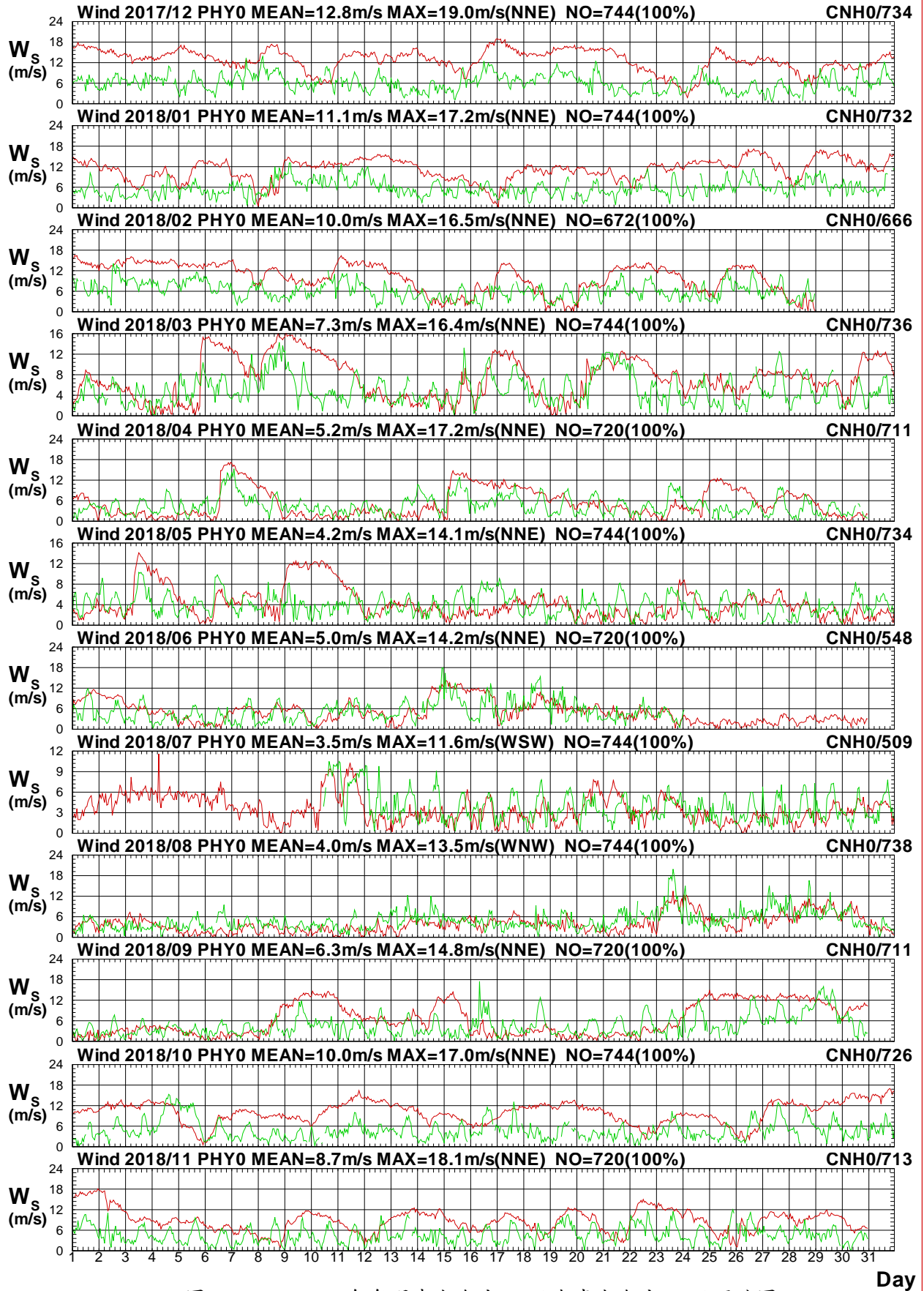


圖1.3.11a 2018年每月澎湖海域 Y 站與嘉南海域 H 站風速圖

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 W183PHY0.1HA W183CNH0.1H0 W184PHY0.1HA W184CNH0.1H0 W185PHY0.1HA W185CNH0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

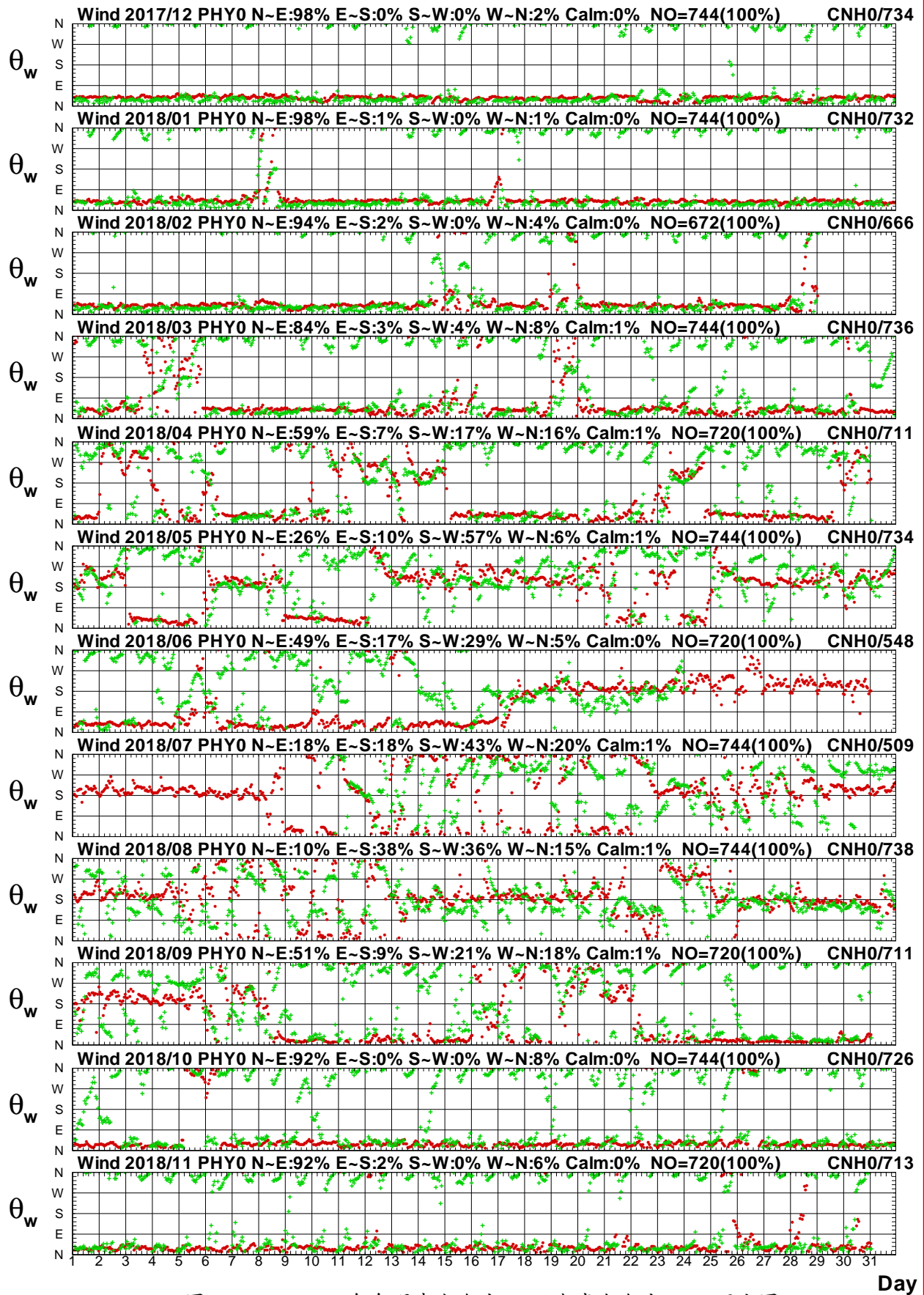


圖 1.3.11b 2018 年每月澎湖海域 Y 站與嘉南海域 H 站風向圖

W17CPHY0.1HA W17CCNH0.1H0 W181PHY0.1HA W181CNH0.1H0 W182PHY0.1HA W182CNH0.1H0
 W183PHY0.1HA W183CNH0.1H0 W184PHY0.1HA W184CNH0.1H0 W185PHY0.1HA W185CNH0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

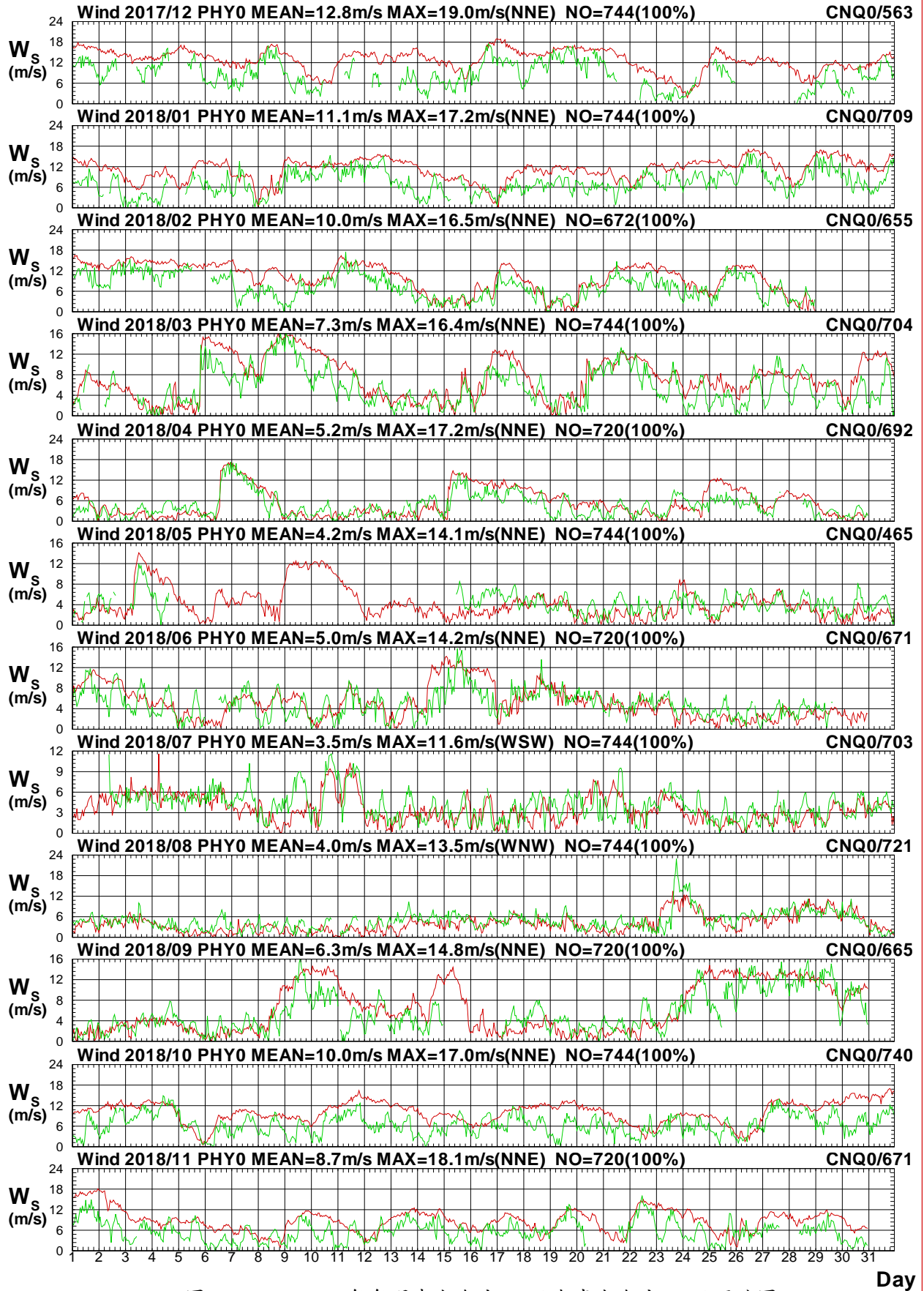


圖 1.3.12a 2018 年每月澎湖海域 Y 站與嘉南海域 Q 站風速圖

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 W183PHY0.1HA W183CNQ0.1H0 W184PHY0.1HA W184CNQ0.1H0 W185PHY0.1HA W185CNQ0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

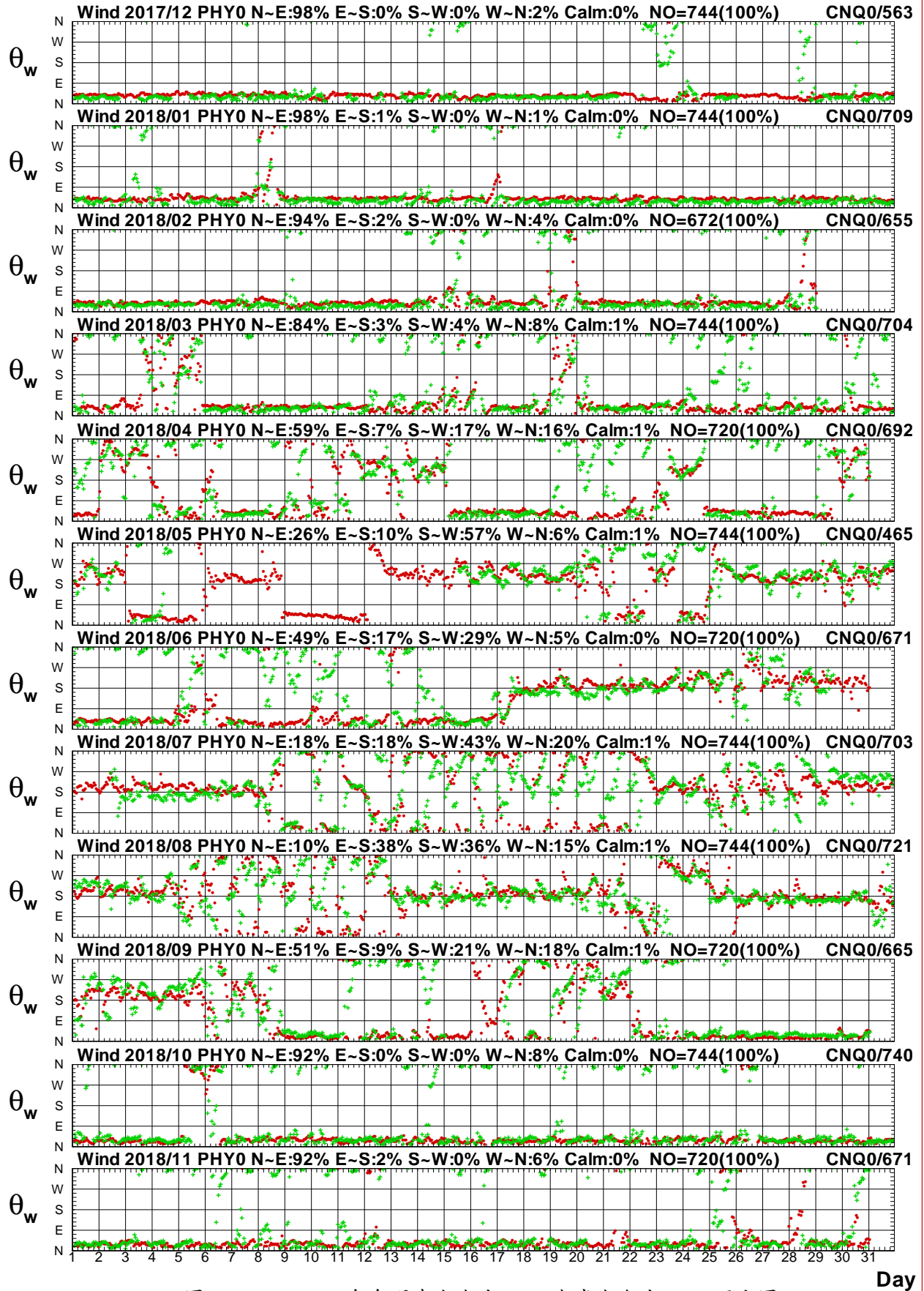


圖 1.3.12b 2018 年每月澎湖海域 Y 站與嘉南海域 Q 站風向圖

W17CPHY0.1HA W17CCNQ0.1H0 W181PHY0.1HA W181CNQ0.1H0 W182PHY0.1HA W182CNQ0.1H0
 W183PHY0.1HA W183CNQ0.1H0 W184PHY0.1HA W184CNQ0.1H0 W185PHY0.1HA W185CNQ0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

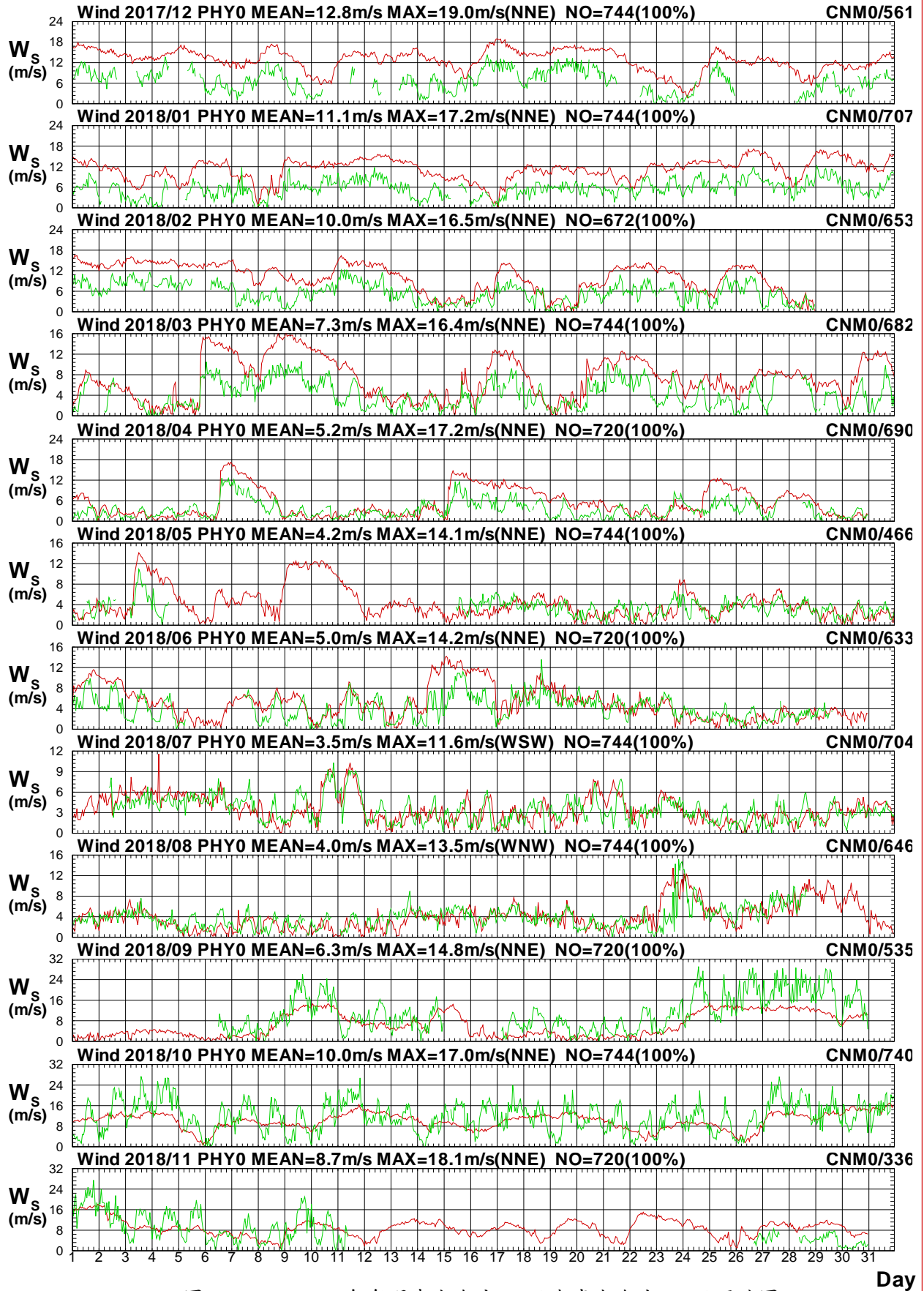


圖 1.3.13a 2018年每月澎湖海域 Y 站與嘉南海域 M 站風速圖

W17CPHY0.1HA W17CCNM0.1H0 W181PHY0.1HA W181CNM0.1H0 W182PHY0.1HA W182CNM0.1H0
 W183PHY0.1HA W183CNM0.1H0 W184PHY0.1HA W184CNM0.1H0 W185PHY0.1HA W185CNM0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

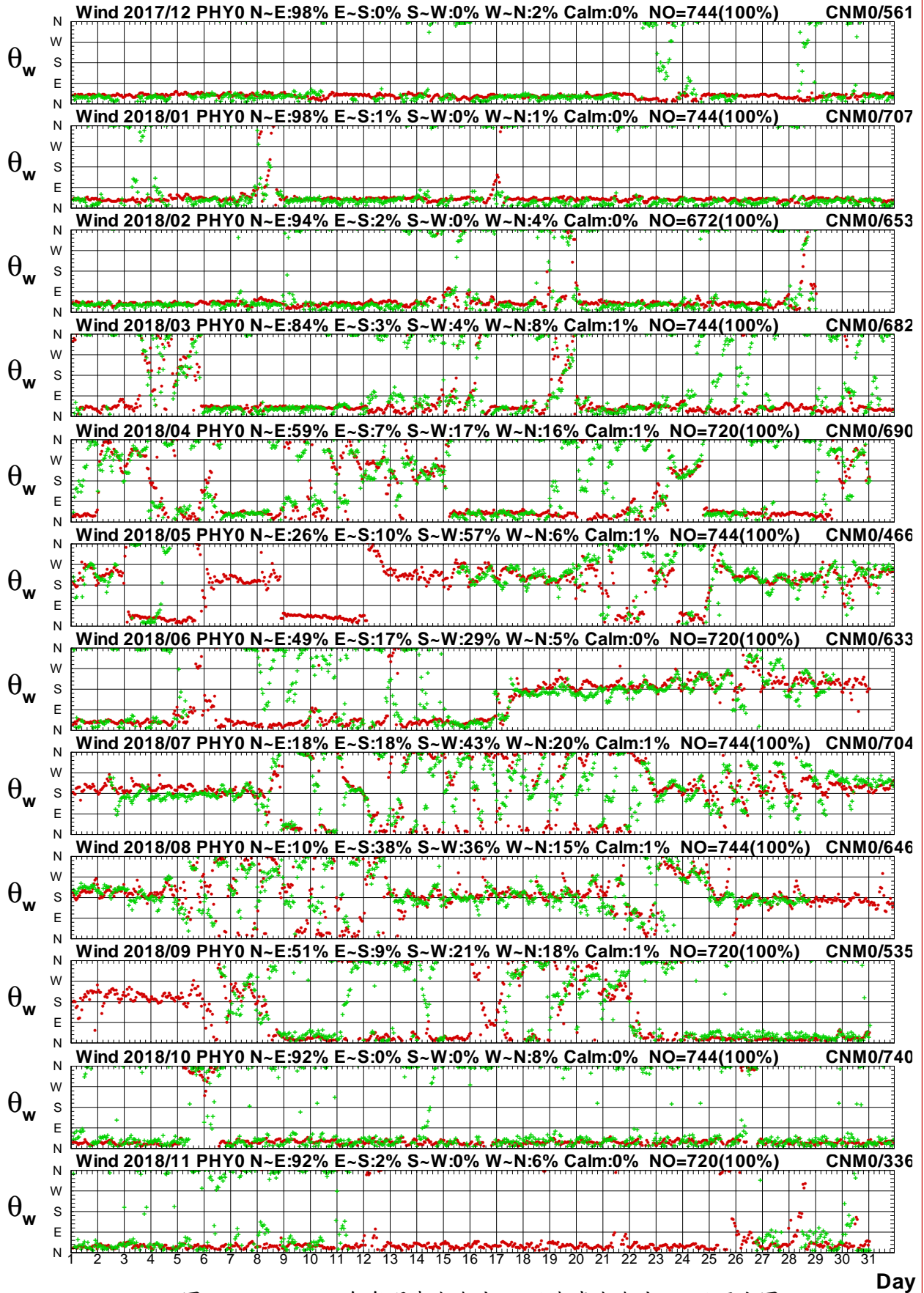


圖 1.3.13b 2018年每月澎湖海域 Y 站與嘉南海域 M 站風向圖

W17CPHY0.1HA W17CCNM0.1H0 W181PHY0.1HA W181CNM0.1H0 W182PHY0.1HA W182CNM0.1H0
 W183PHY0.1HA W183CNM0.1H0 W184PHY0.1HA W184CNM0.1H0 W185PHY0.1HA W185CNM0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

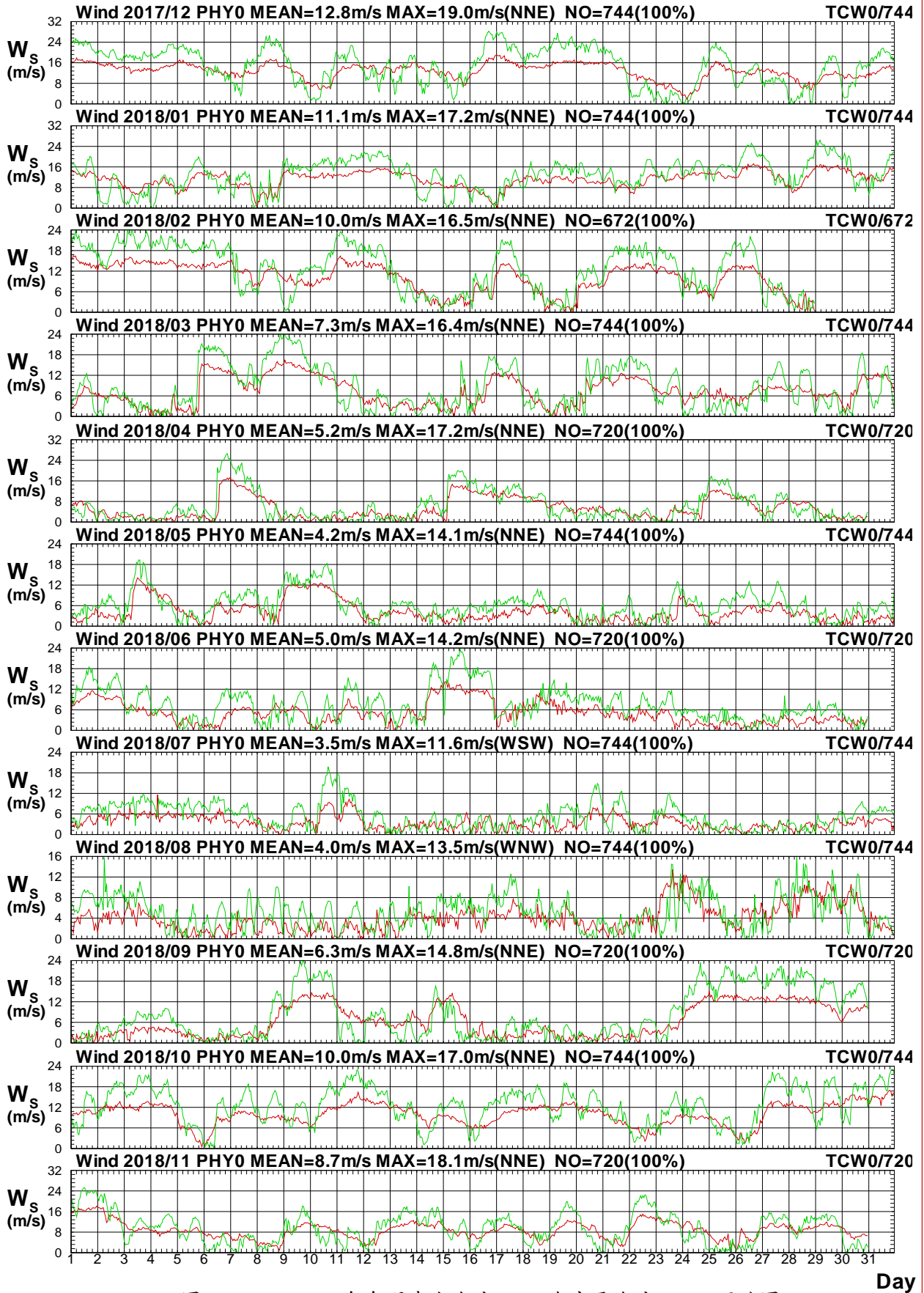


圖 1.3.14a 2018年每月澎湖海域 Y 站與中雲海域 W 站風速圖

W17CPHY0.1HA W17CTCW0.1HO W181PHY0.1HA W181TCW0.1HO W182PHY0.1HA W182TCW0.1HO
 W183PHY0.1HA W183TCW0.1HO W184PHY0.1HA W184TCW0.1HO W185PHY0.1HA W185TCW0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

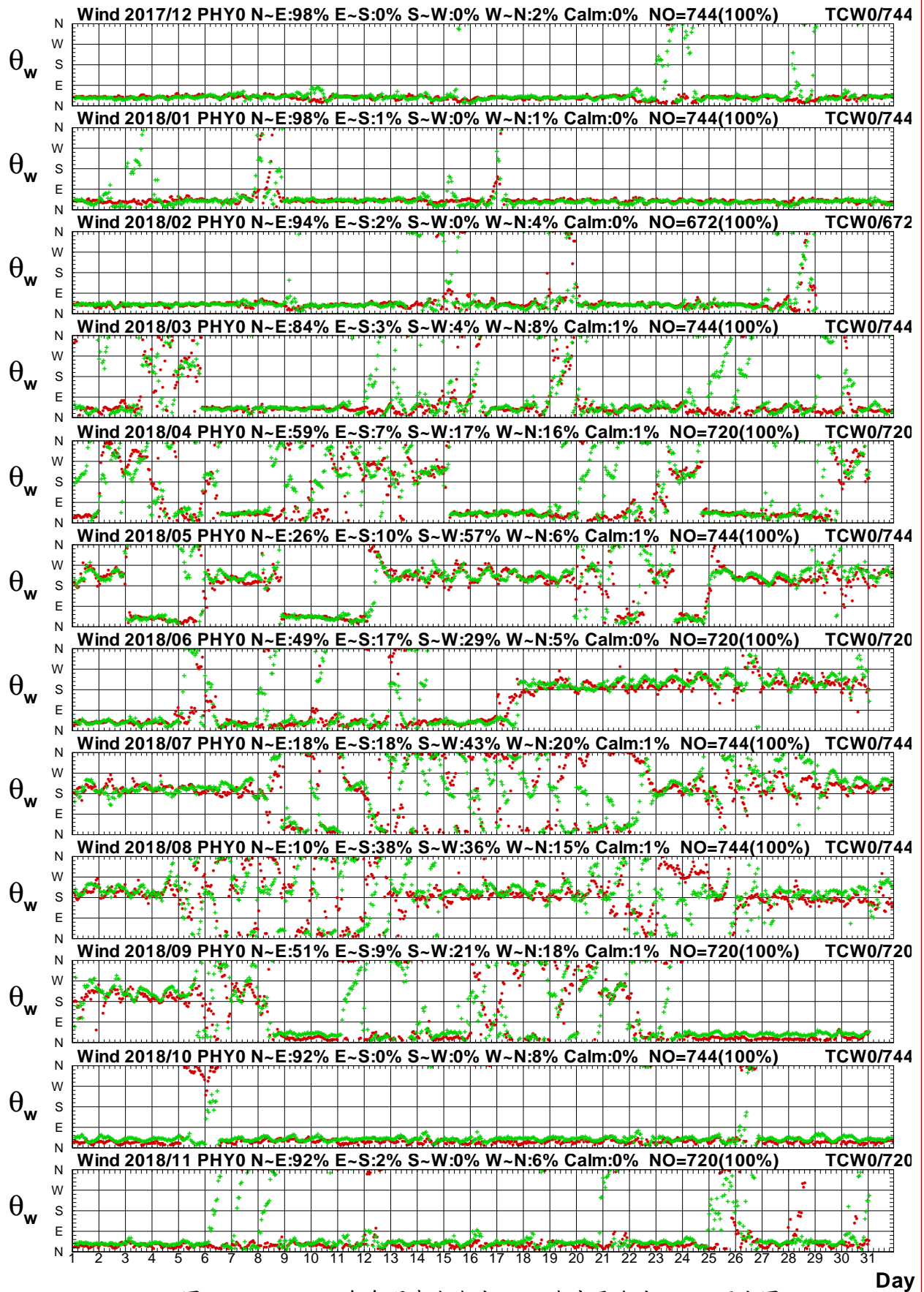


圖 1.3.14b 2018年每月澎湖海域 Y 站與中雲海域 W 站風向圖

W17CPHY0.1HA W17CTCW0.1H0 W181PHY0.1HA W181TCW0.1H0 W182PHY0.1HA W182TCW0.1H0
 W183PHY0.1HA W183TCW0.1H0 W184PHY0.1HA W184TCW0.1H0 W185PHY0.1HA W185TCW0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

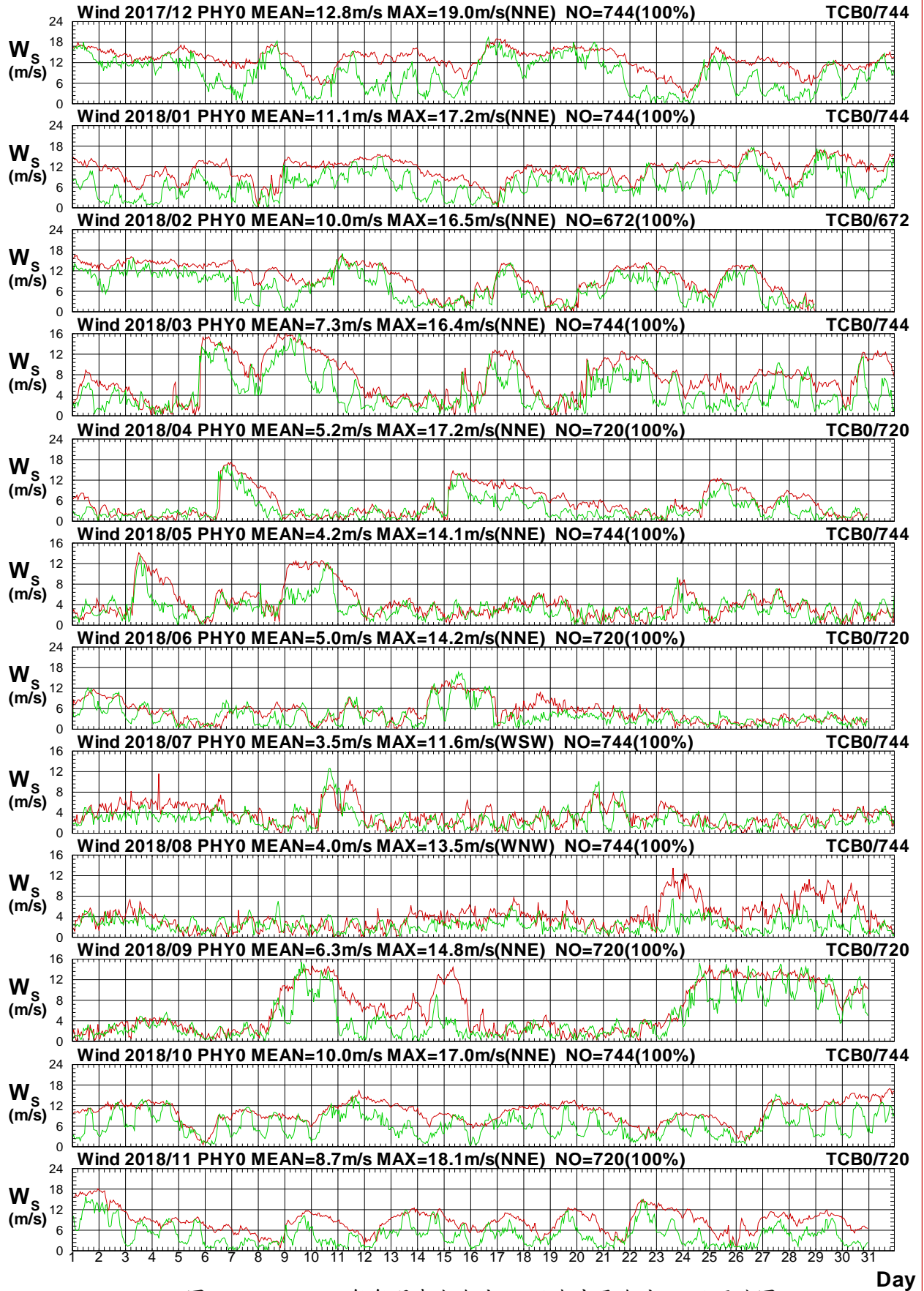


圖1.3.15a 2018年每月澎湖海域 Y 站與中雲海域 B 站風速圖

W17CPHY0.1HA W17CTCB0.1HO W181PHY0.1HA W181TCB0.1HO W182PHY0.1HA W182TCB0.1HO
 W183PHY0.1HA W183TCB0.1HO W184PHY0.1HA W184TCB0.1HO W185PHY0.1HA W185TCB0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

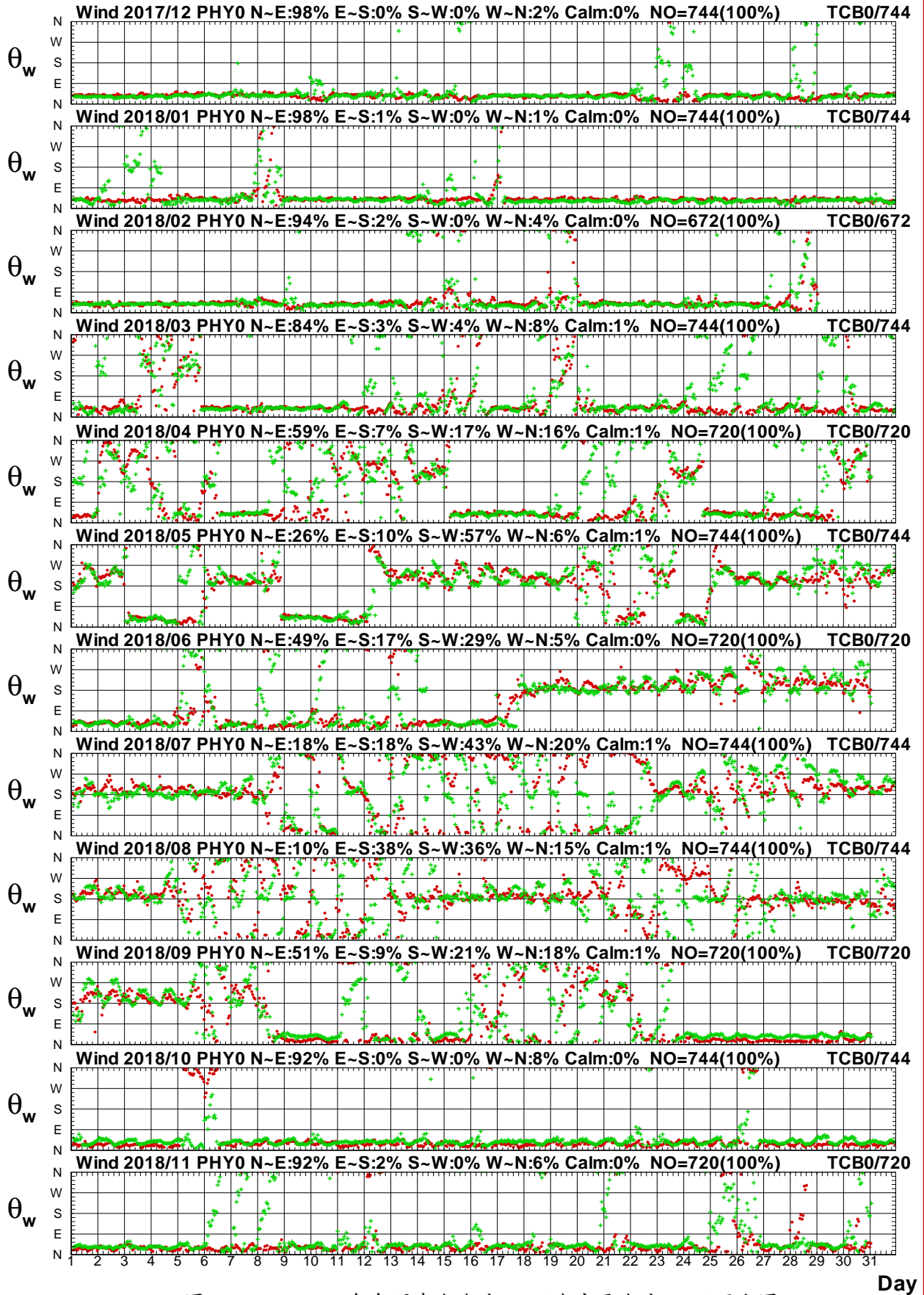


圖 1.3.15b 2018 年每月澎湖海域 Y 站與中雲海域 B 站風向圖

W17CPHY0.1HA W17CTCB0.1H0 W181PHY0.1HA W181TCB0.1H0 W182PHY0.1HA W182TCB0.1H0
 W183PHY0.1HA W183TCB0.1H0 W184PHY0.1HA W184TCB0.1H0 W185PHY0.1HA W185TCB0.1H0

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

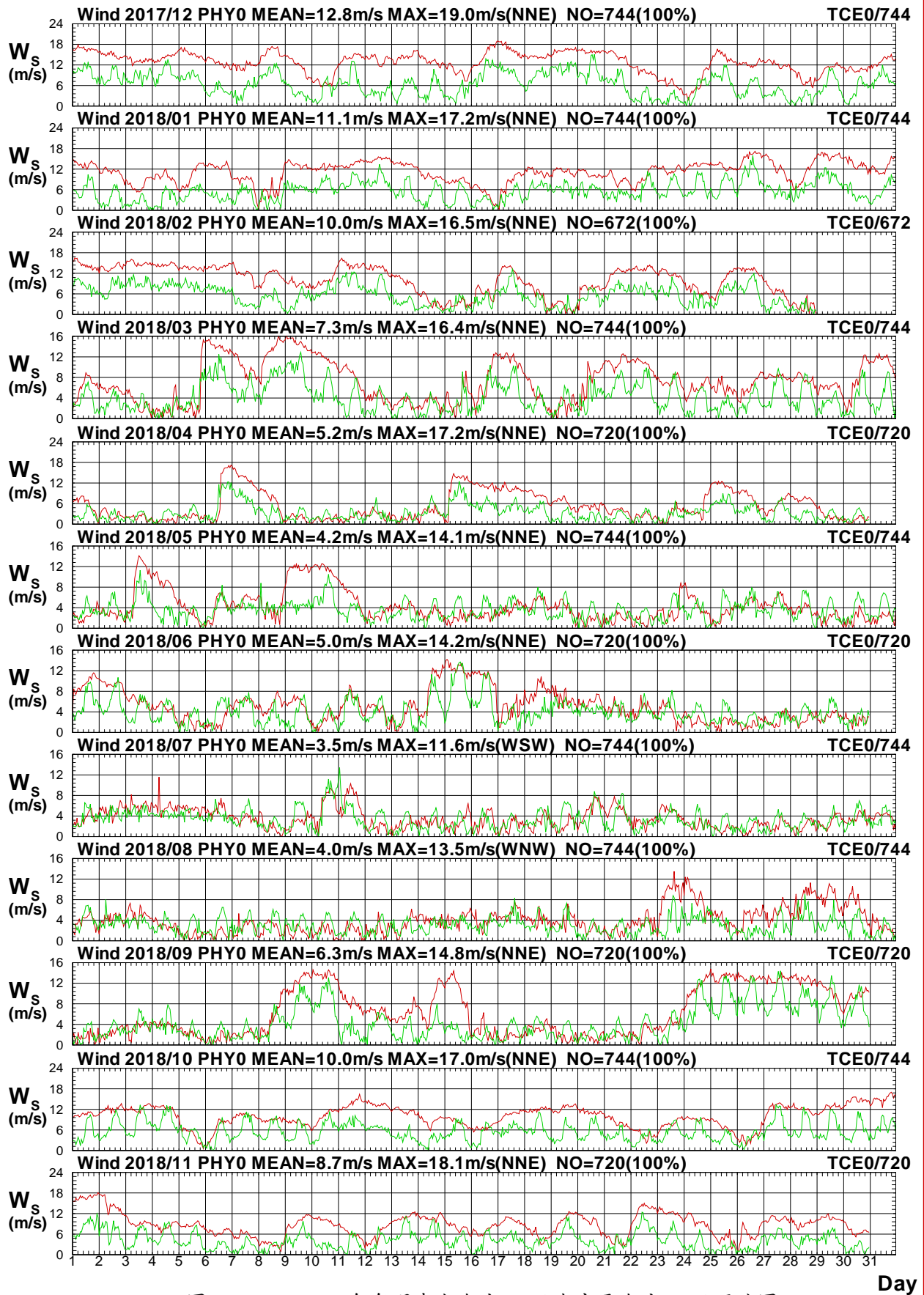


圖1.3.16a 2018年每月澎湖海域 Y 站與中雲海域 E 站風速圖

W17CPHY0.1HA W17CTCE0.1HO W181PHY0.1HA W181TCE0.1HO W182PHY0.1HA W182TCE0.1HO
 W183PHY0.1HA W183TCE0.1HO W184PHY0.1HA W184TCE0.1HO W185PHY0.1HA W185TCE0.1HO

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

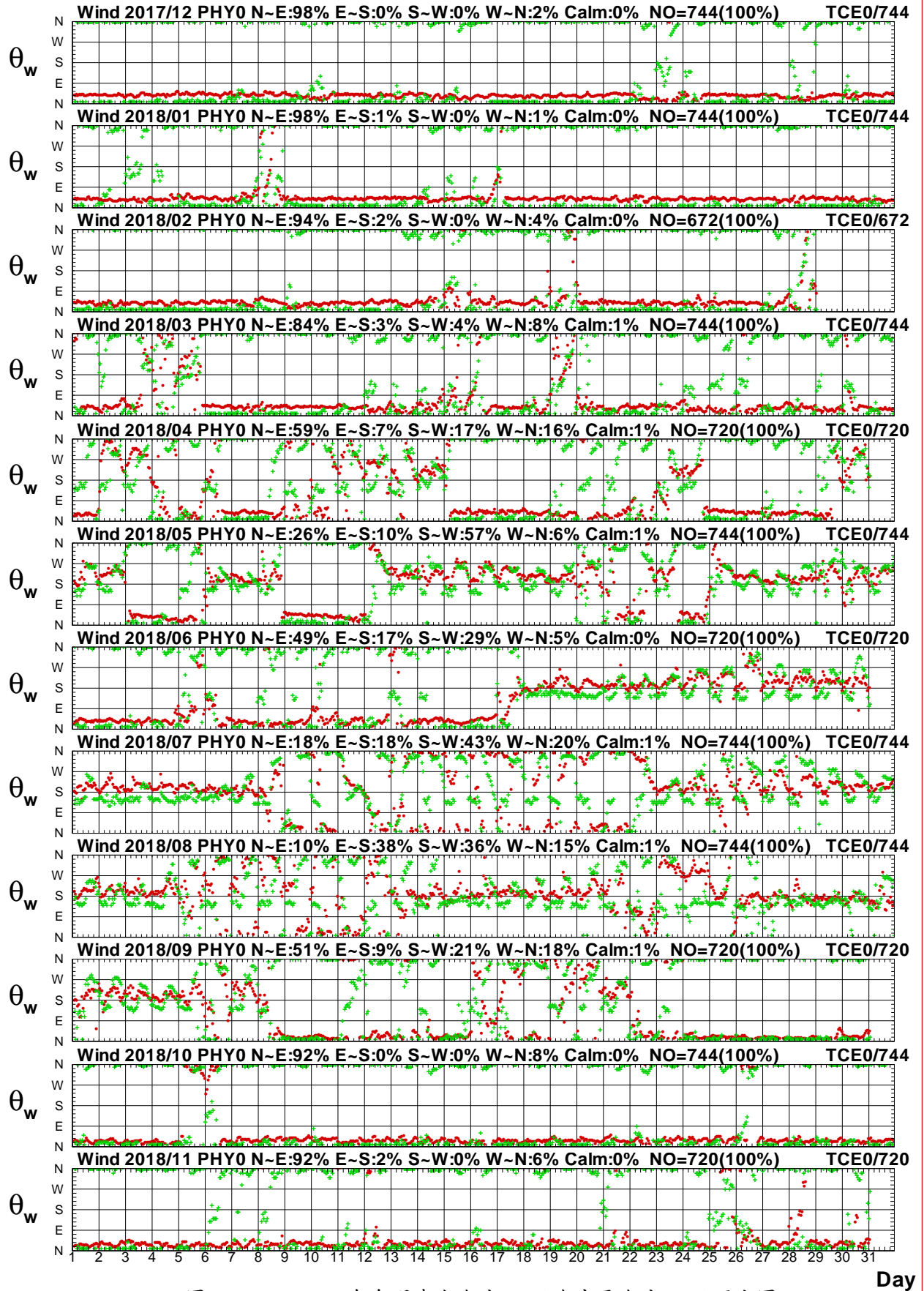


圖 1.3.16b 2018 年每月澎湖海域 Y 站與中雲海域 E 站風向圖

W17CPHY0.1HA W17CTCE0.1HO W181PHY0.1HA W181TCE0.1HO W182PHY0.1HA W182TCE0.1HO
 W183PHY0.1HA W183TCE0.1HO W184PHY0.1HA W184TCE0.1HO W185PHY0.1HA W185TCE0.1HO

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Wind Speed in Peng-Hu Seas of PHY0 at 2018

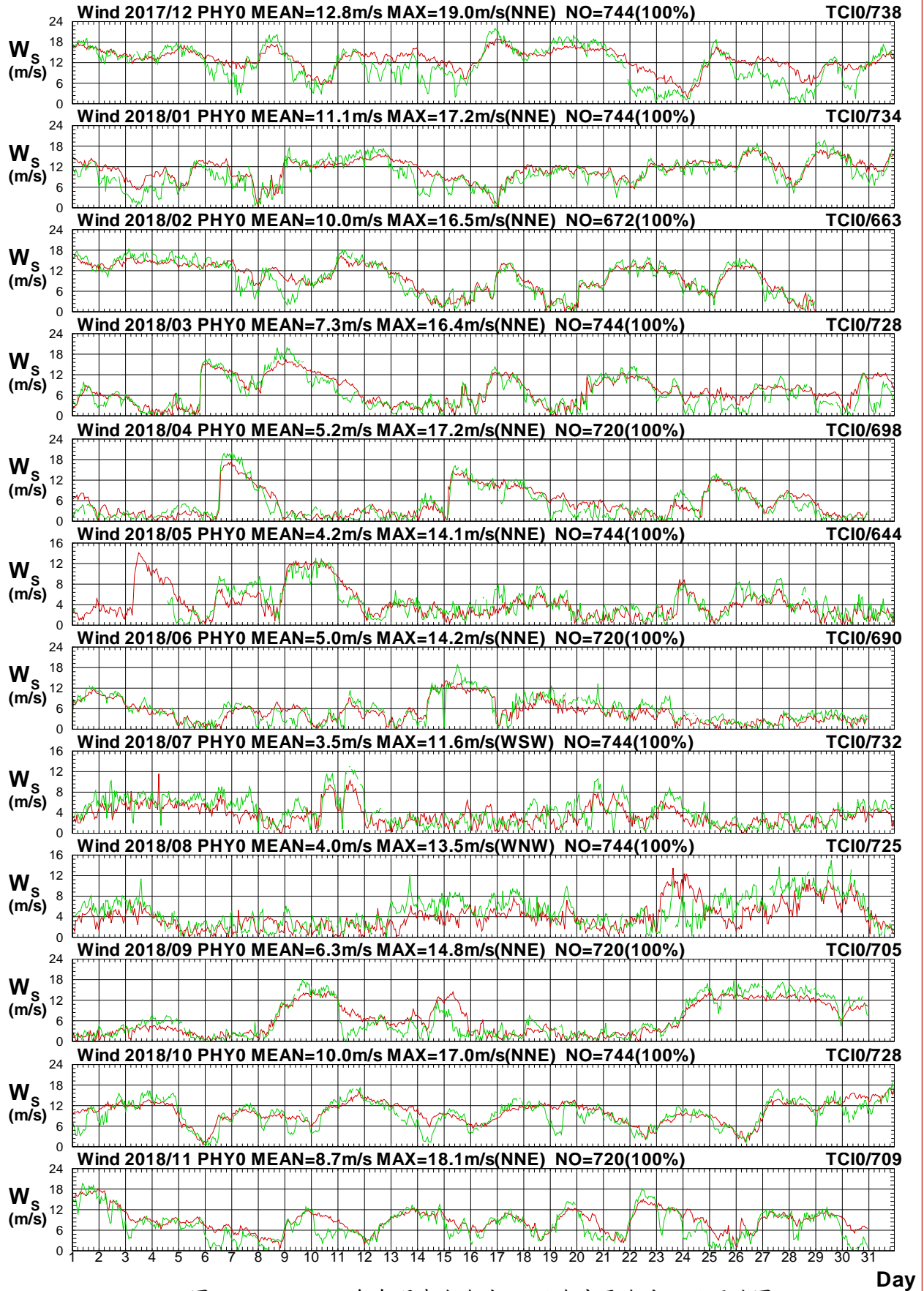


圖1.3.17a 2018年每月澎湖海域 Y 站與中雲海域 I 站風速圖

W17CPHY0.1HA W17CTCI0.1H0 W181PHY0.1HA W181TCI0.1H0 W182PHY0.1HA W182TCI0.1H0
 W183PHY0.1HA W183TCI0.1H0 W184PHY0.1HA W184TCI0.1H0 W185PHY0.1HA W185TCI0.1H0

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Wind Direction in Peng-Hu Seas of PHY0 at 2018

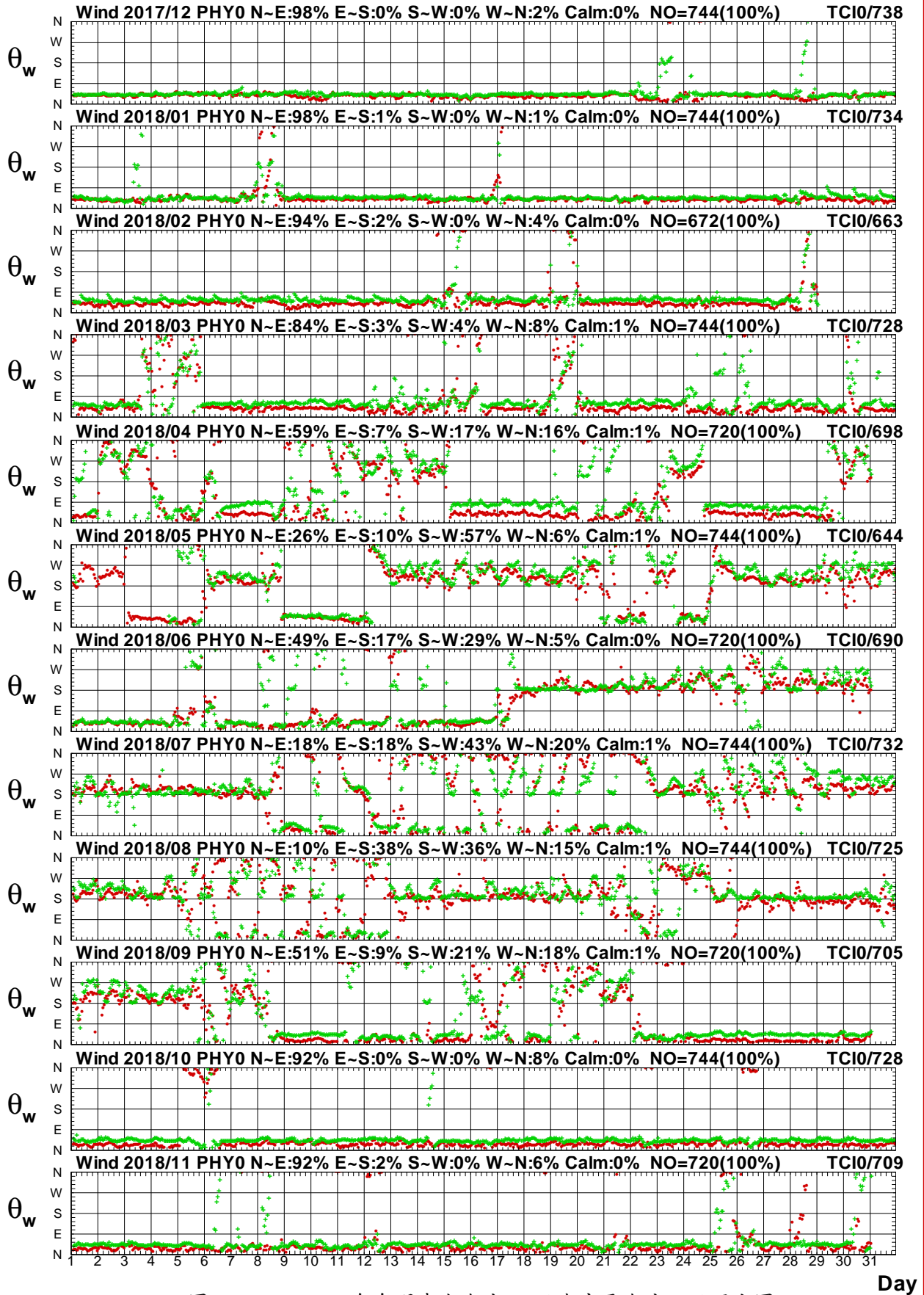


圖1.3.17b 2018年每月澎湖海域 Y 站與中雲海域 I 站風向圖

W17CPHY0.1HA W17CTCI0.1H0 W181PHY0.1HA W181TCI0.1H0 W182PHY0.1HA W182TCI0.1H0
 W183PHY0.1HA W183TCI0.1H0 W184PHY0.1HA W184TCI0.1H0 W185PHY0.1HA W185TCI0.1H0

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1.4 2018 年澎湖海域風力**主要測站 2**(修補後)與 **其他測站**(修補前)每月風力歷線比較圖

Wind Speed in Peng-Hu Seas of PHW0 at 2018

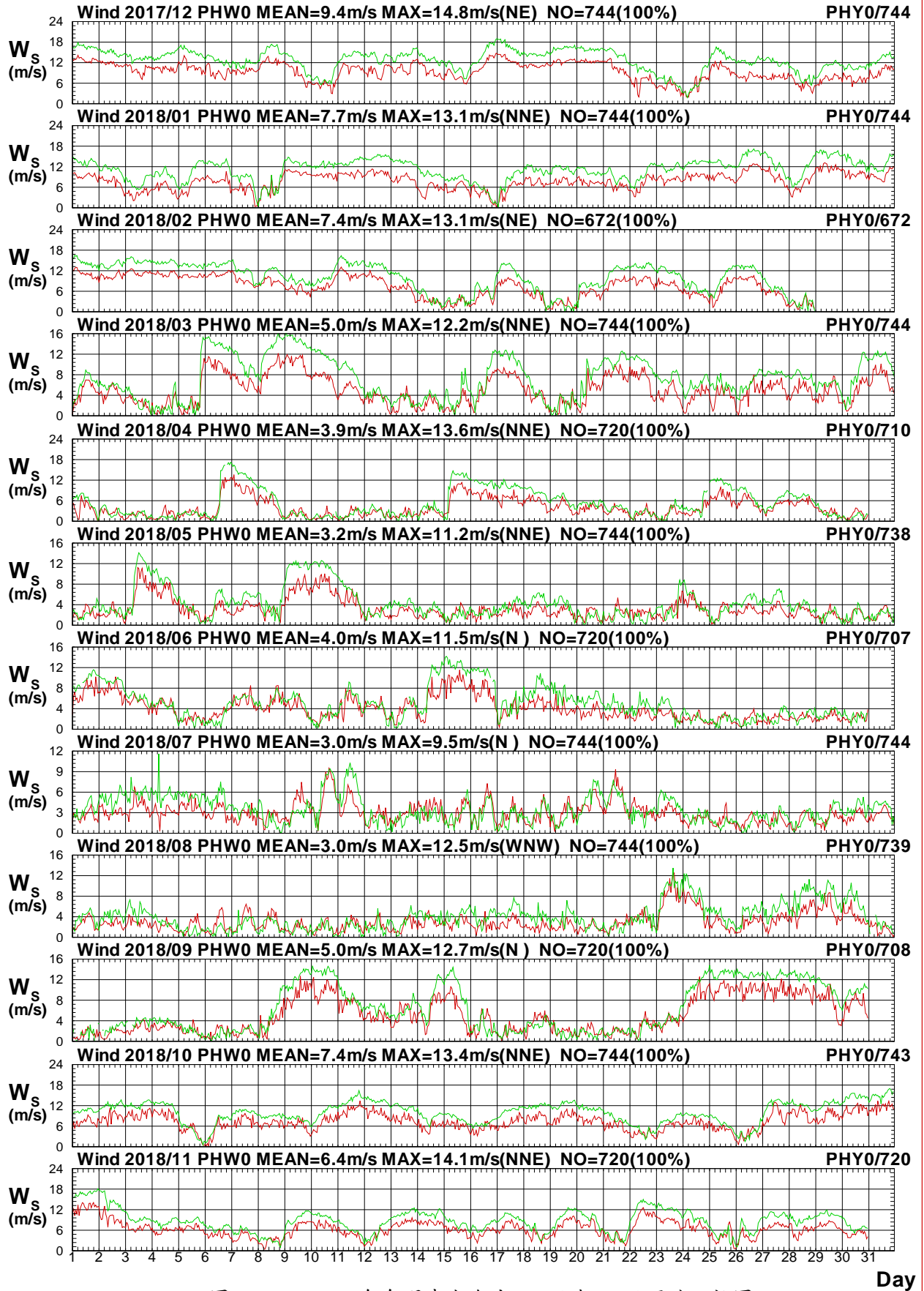


圖1.4.1a 2018年每月澎湖海域 W 站與 Y 站風速比較圖

W17CPHW0.1HA W17CPHY0.1HO W181PHW0.1HA W181PHY0.1HO W182PHW0.1HA W182PHY0.1HO
 W183PHW0.1HA W183PHY0.1HO W184PHW0.1HA W184PHY0.1HO W185PHW0.1HA W185PHY0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

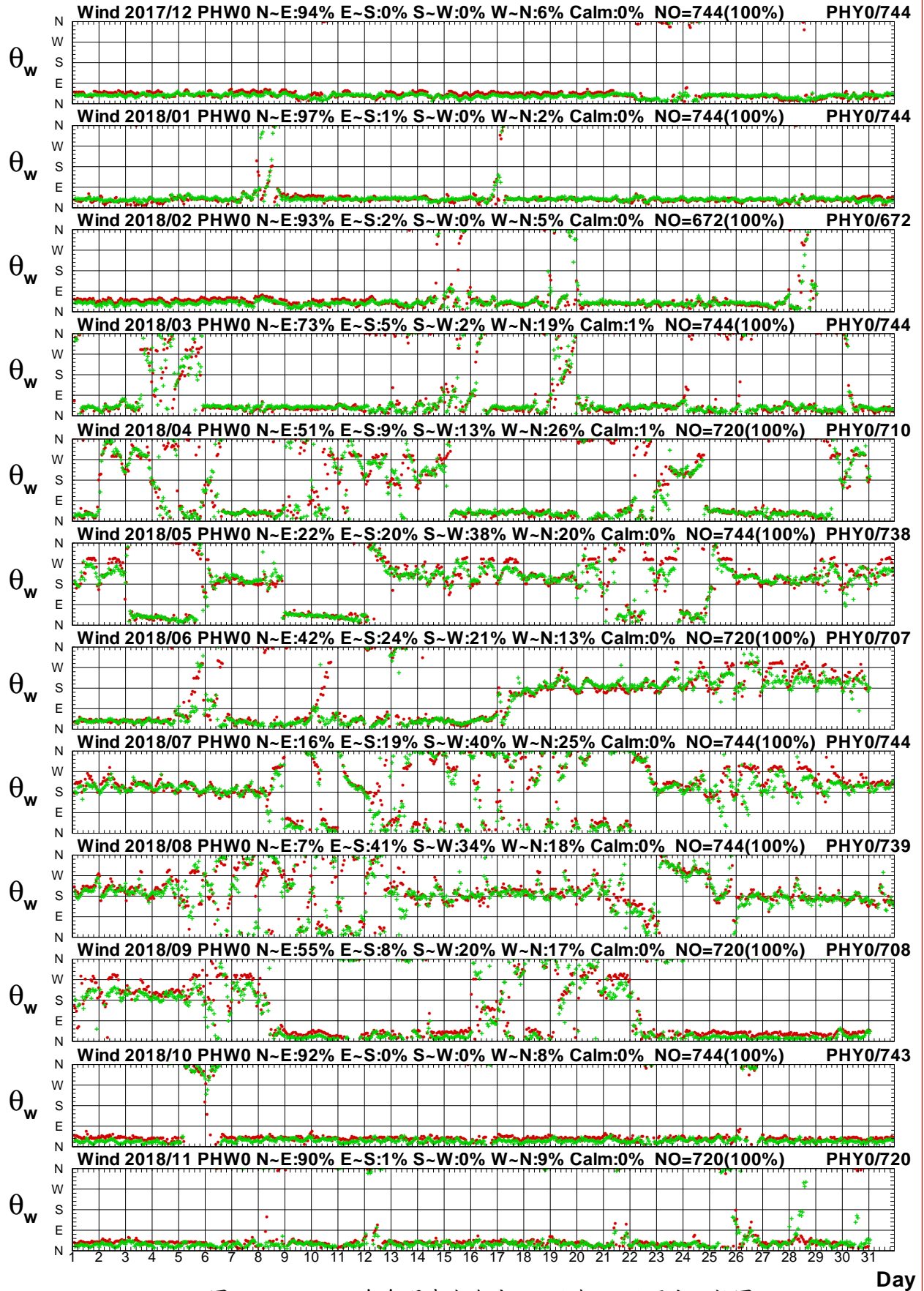


圖1.4.1b 2018年每月澎湖海域 W 站與 Y 站風向比較圖

W17CPHW0.1HA W17CPHY0.1HO W181PHW0.1HA W181PHY0.1HO W182PHW0.1HA W182PHY0.1HO
 W183PHW0.1HA W183PHY0.1HO W184PHW0.1HA W184PHY0.1HO W185PHW0.1HA W185PHY0.1HO

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Wind Speed in Peng-Hu Seas of PHW0 at 2018

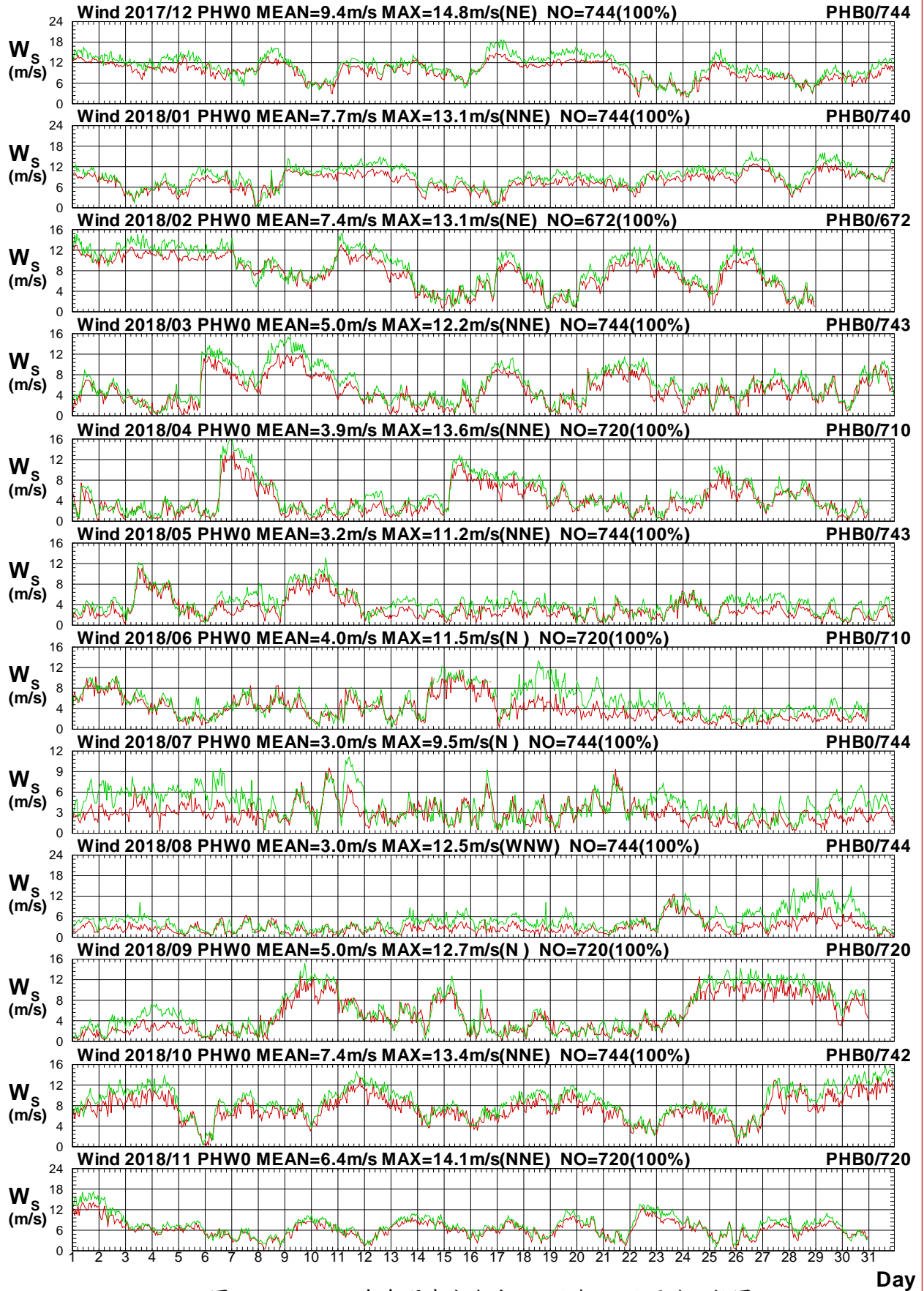


圖1.4.2a 2018年每月澎湖海域 W 站與 B 站風速比較圖

W17CPHW0.1HA W17CPHB0.1HO W181PHW0.1HA W181PHB0.1HO W182PHW0.1HA W182PHB0.1HO
 W183PHW0.1HA W183PHB0.1HO W184PHW0.1HA W184PHB0.1HO W185PHW0.1HA W185PHB0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

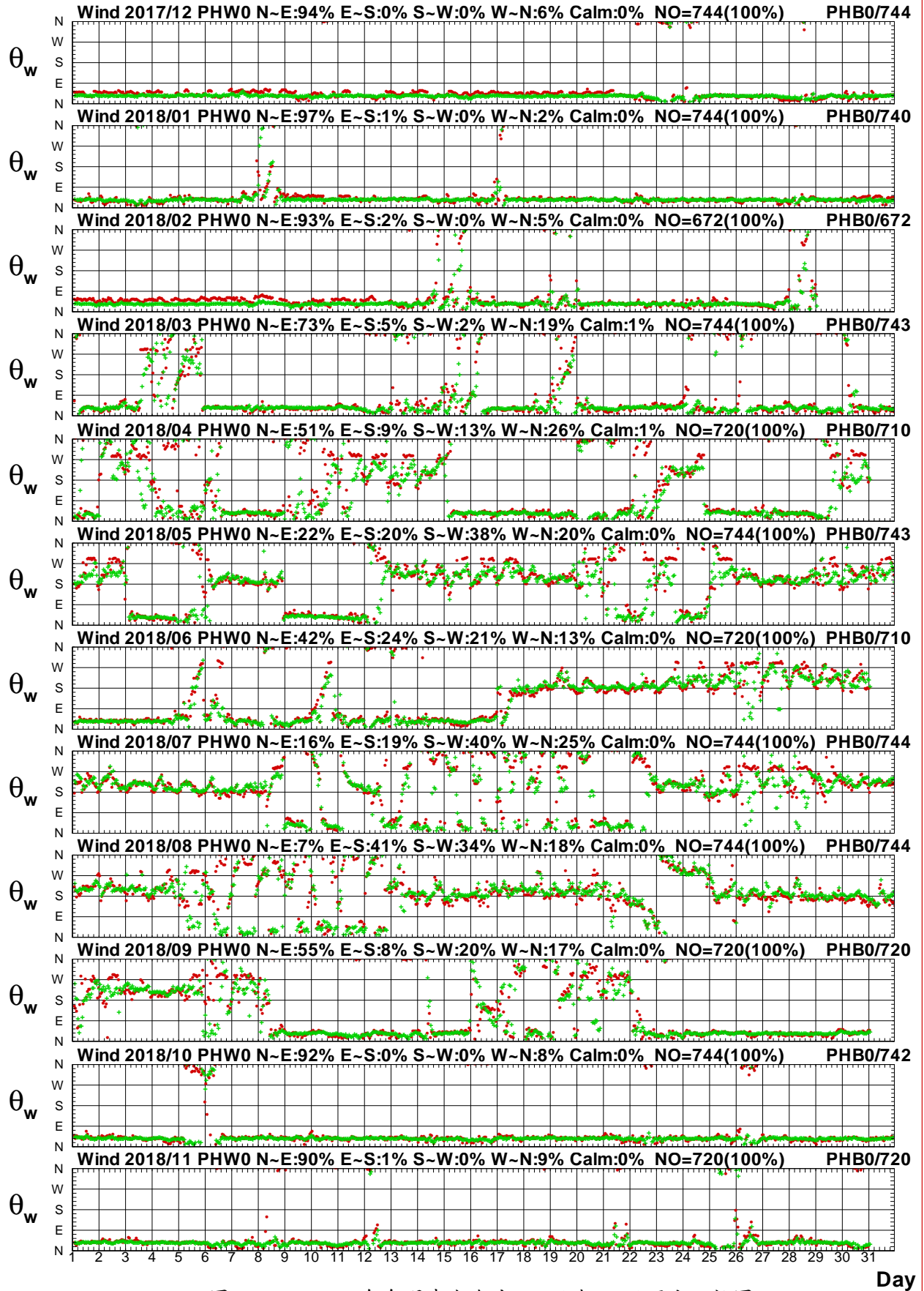


圖1.4.2b 2018年每月澎湖海域 W 站與 B 站風向比較圖

W17CPHW0.1HA W17CPHB0.1HO W181PHW0.1HA W181PHB0.1HO W182PHW0.1HA W182PHB0.1HO
 W183PHW0.1HA W183PHB0.1HO W184PHW0.1HA W184PHB0.1HO W185PHW0.1HA W185PHB0.1HO

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Wind Speed in Peng-Hu Seas of PHW0 at 2018

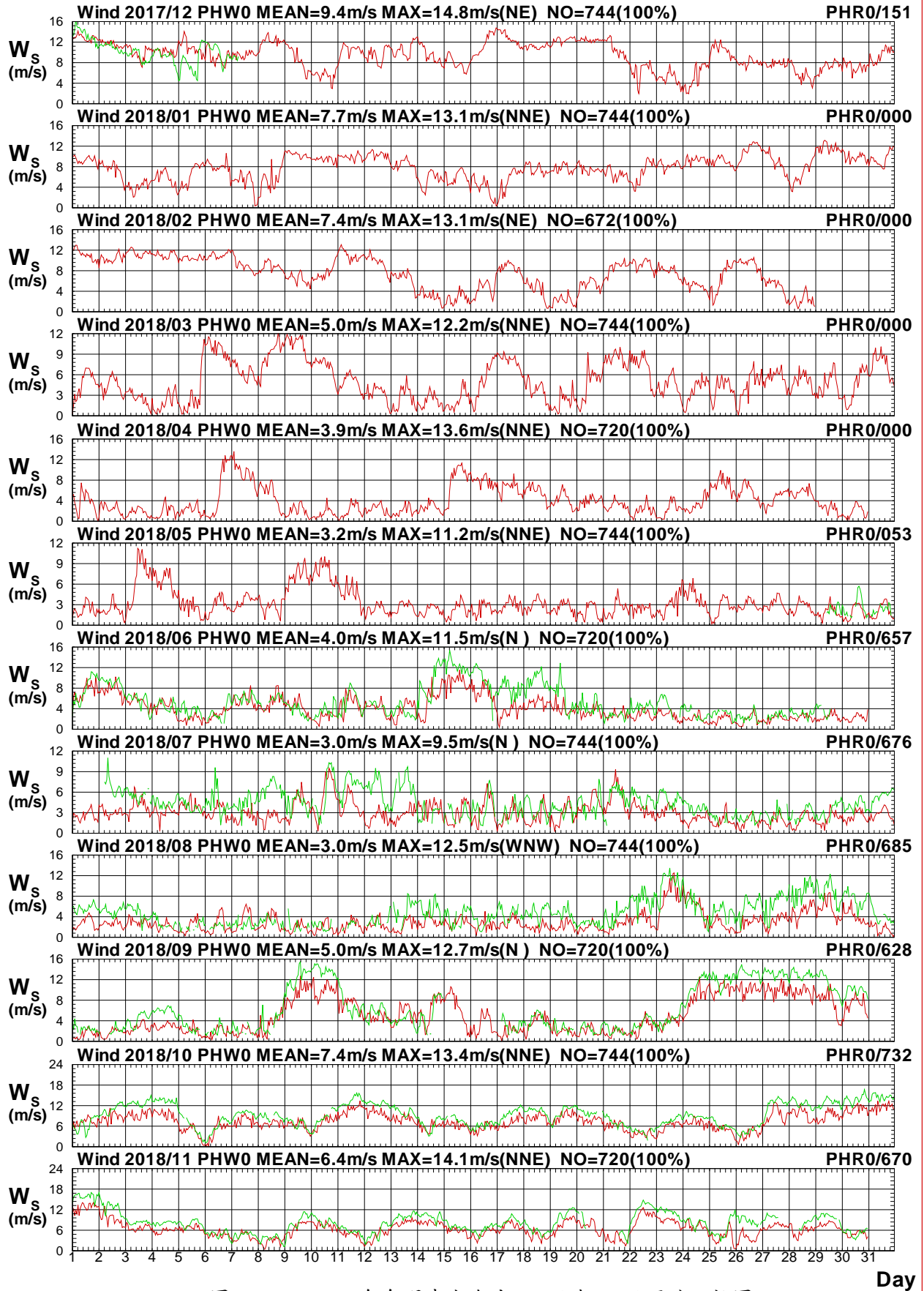


圖1.4.3a 2018年每月澎湖海域 W 站與 R 站風速比較圖

W17CPHW0.1HA W17CPR0.1HO W181PHW0.1HA W181PHR0.1HO W182PHW0.1HA W182PHR0.1HO
 W183PHW0.1HA W183PHR0.1HO W184PHW0.1HA W184PHR0.1HO W185PHW0.1HA W185PHR0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

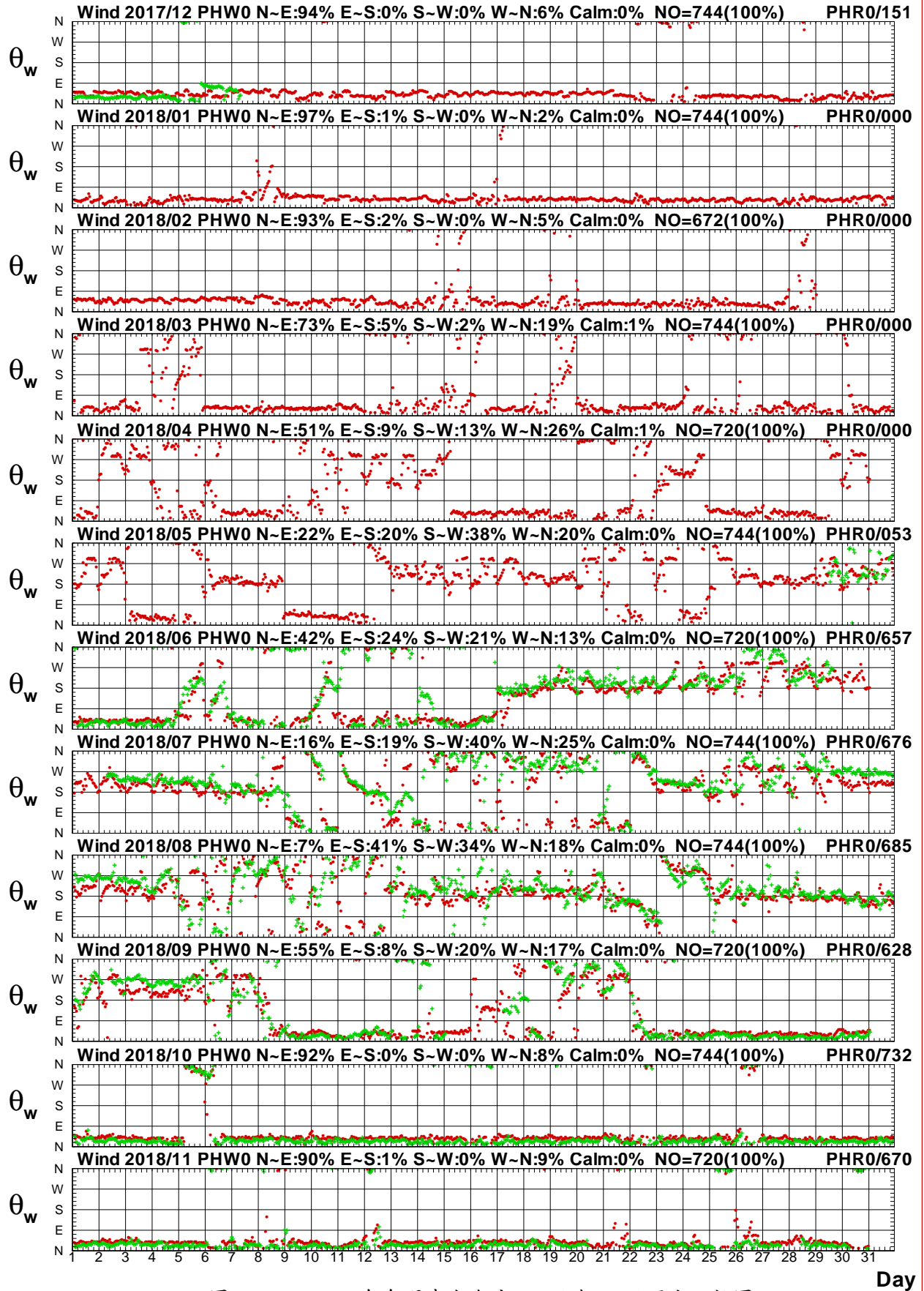


圖1.4.3b 2018年每月澎湖海域 W 站與 R 站風向比較圖

W17CPHW0.1HA W17CPHR0.1HO W181PHW0.1HA W181PHR0.1HO W182PHW0.1HA W182PHR0.1HO
 W183PHW0.1HA W183PHR0.1HO W184PHW0.1HA W184PHR0.1HO W185PHW0.1HA W185PHR0.1HO

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Wind Speed in Peng-Hu Seas of PHW0 at 2018

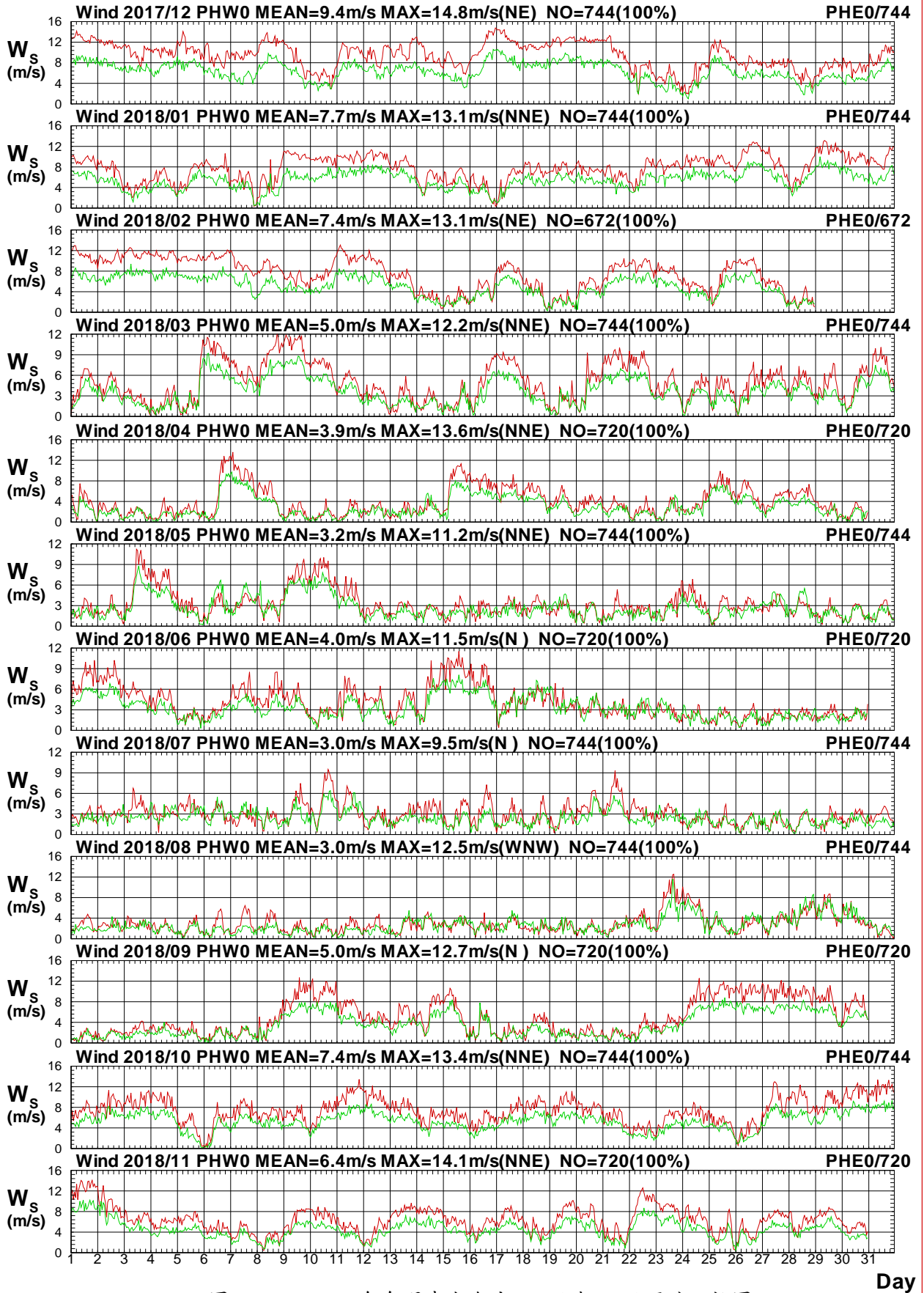


圖1.4.4a 2018年每月澎湖海域 W 站與 E 站風速比較圖

W17CPHW0.1HA W17CPHE0.1HO W181PHW0.1HA W181PHE0.1HO W182PHW0.1HA W182PHE0.1HO
 W183PHW0.1HA W183PHE0.1HO W184PHW0.1HA W184PHE0.1HO W185PHW0.1HA W185PHE0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

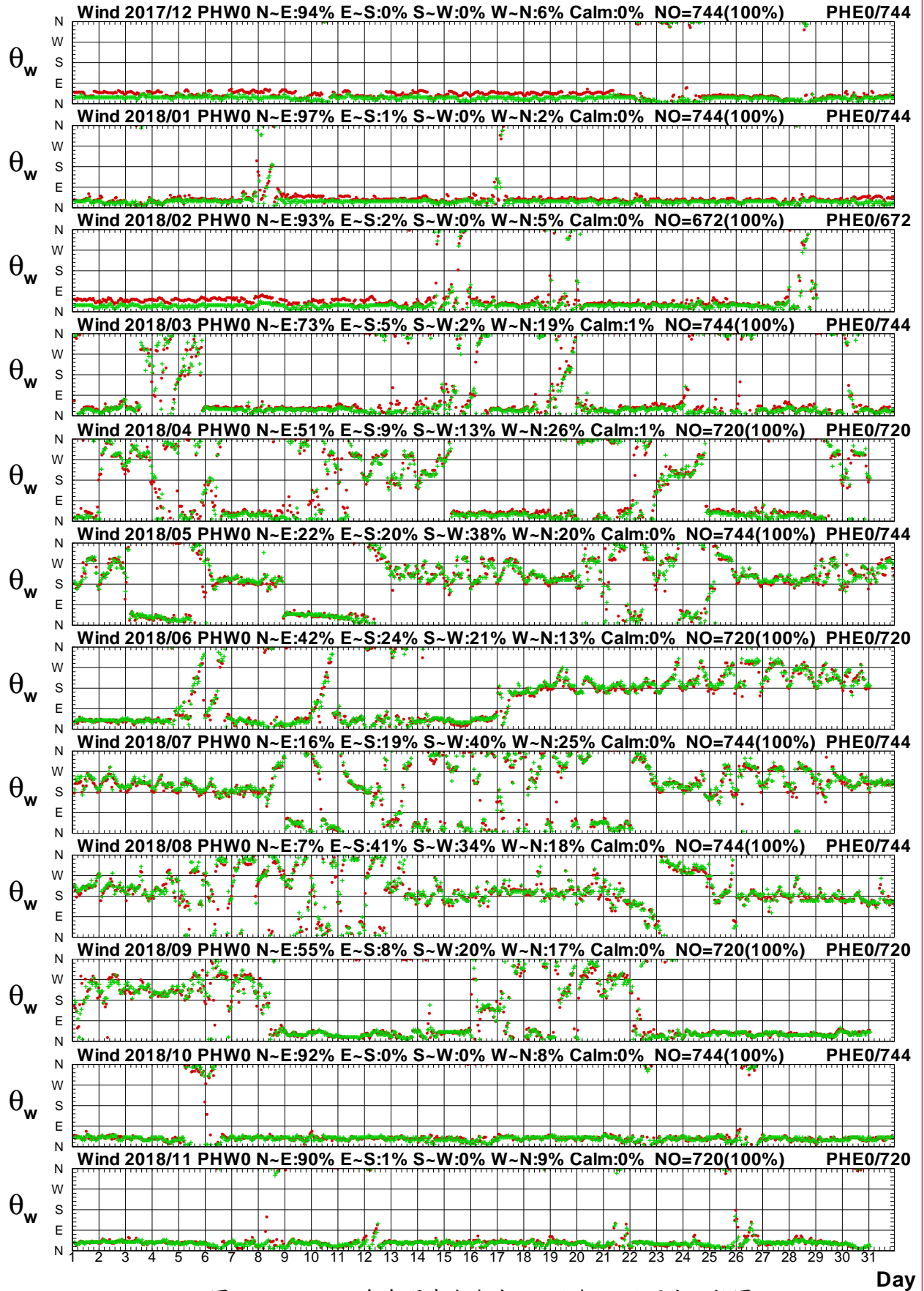


圖1.4.4b 2018年每月澎湖海域 W 站與 E 站風向比較圖

W17CPHW0.1HA W17CPHE0.1H0 W181PHW0.1HA W181PHE0.1H0 W182PHW0.1HA W182PHE0.1H0
 W183PHW0.1HA W183PHE0.1H0 W184PHW0.1HA W184PHE0.1H0 W185PHW0.1HA W185PHE0.1H0

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Wind Speed in Peng-Hu Seas of PHW0 at 2018

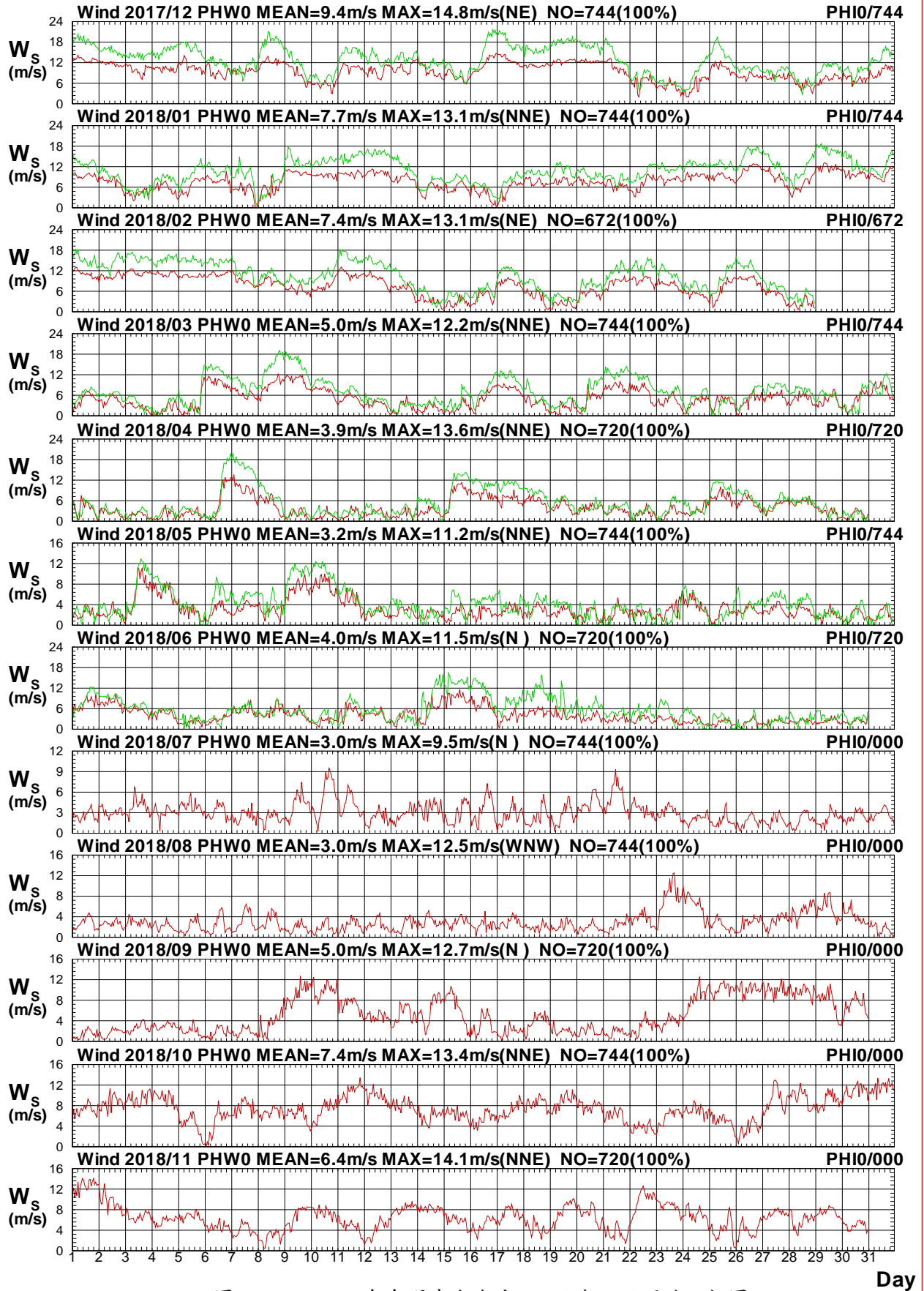


圖1.4.5a 2018年每月澎湖海域 W 站與 I 站風速比較圖

W17CPHW0.1HA W17CPI0.1HO W181PHW0.1HA W181PI0.1HO W182PHW0.1HA W182PI0.1HO
W183PHW0.1HA W183PI0.1HO W184PHW0.1HA W184PI0.1HO W185PHW0.1HA W185PI0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

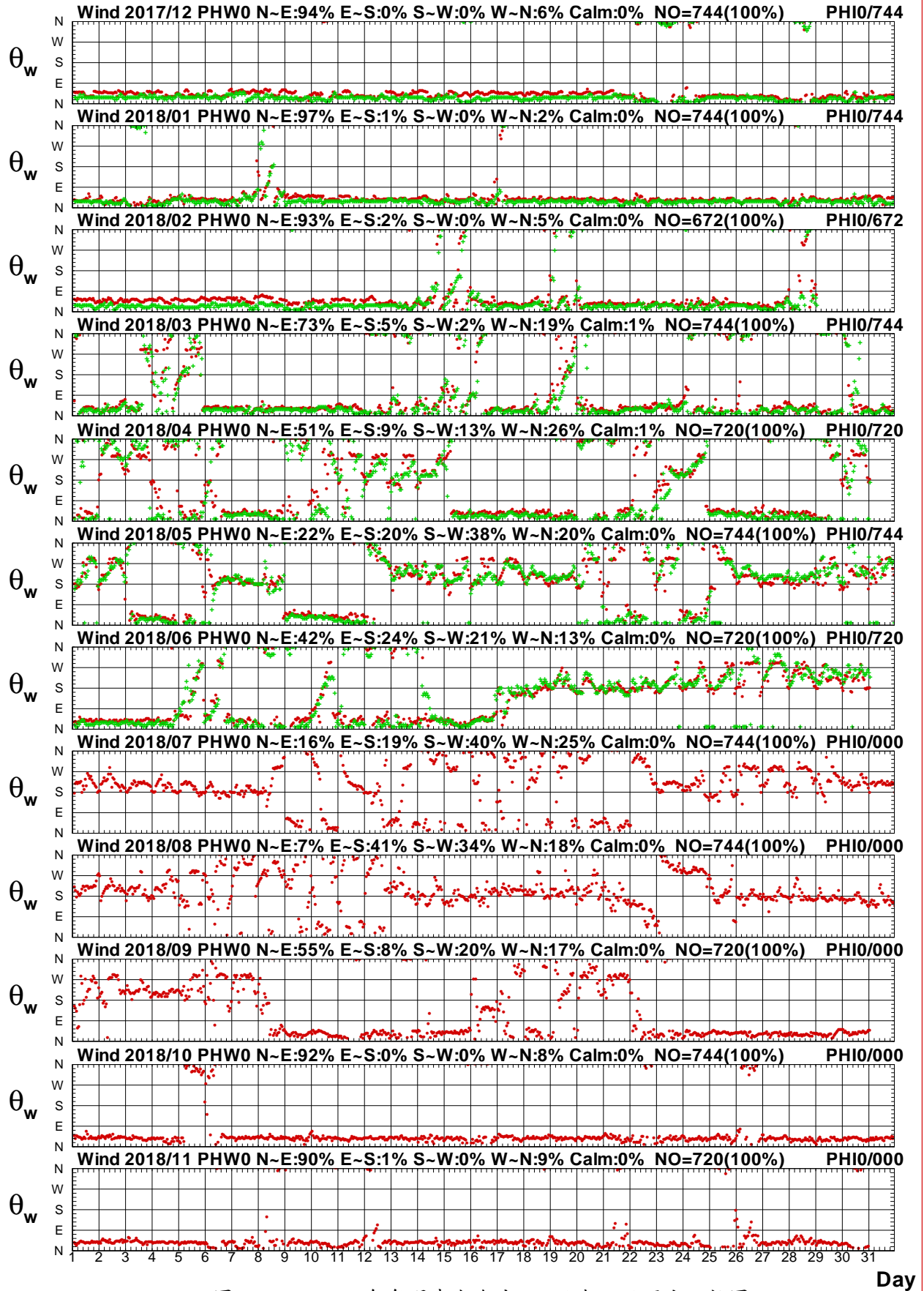


圖1.4.5b 2018年每月澎湖海域 W 站與 I 站風向比較圖

Wind Speed in Peng-Hu Seas of PHW0 at 2018

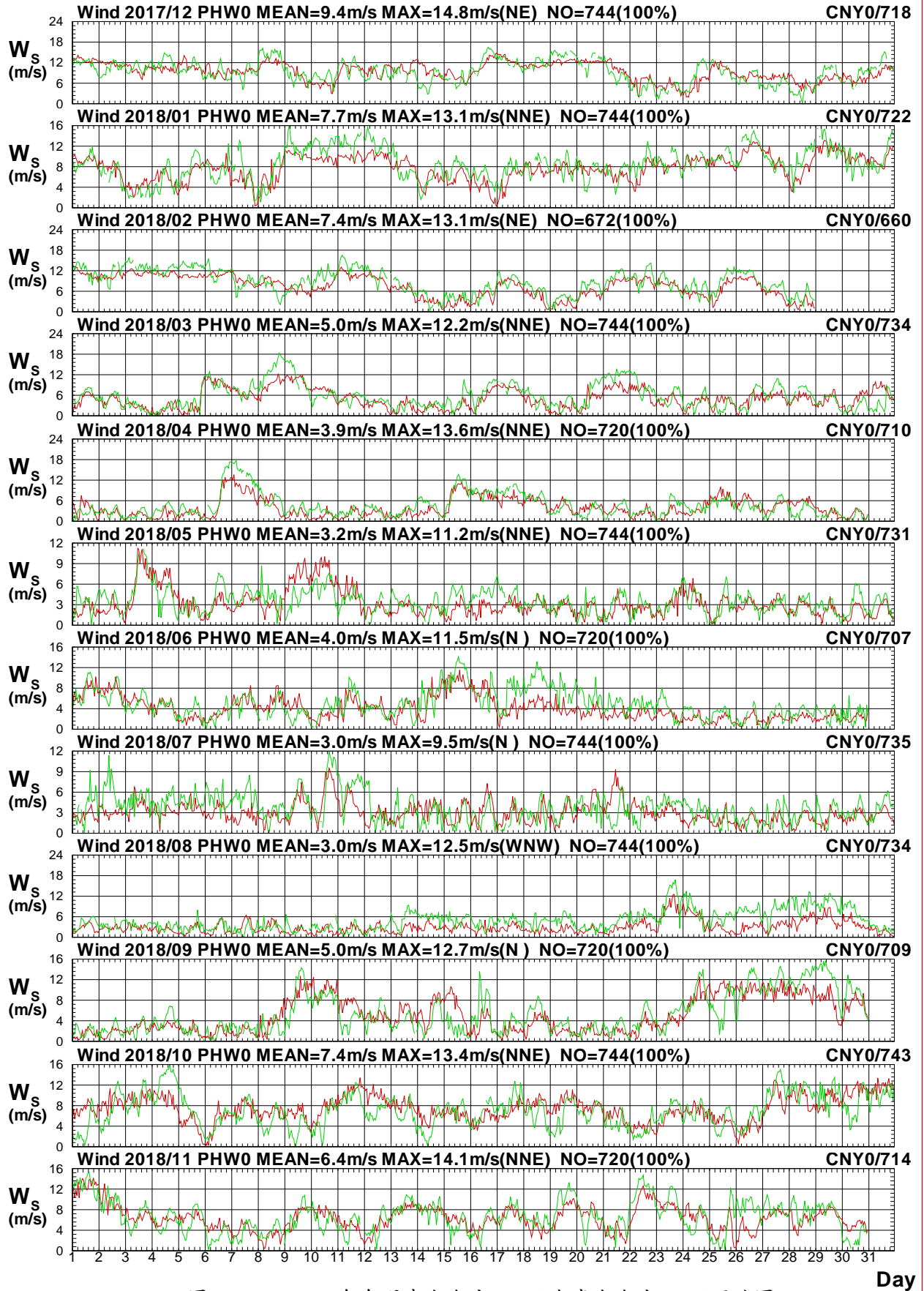


圖1.4.6a 2018年每月澎湖海域 W 站與嘉南海域 Y 站風速圖

W17CPHW0.1HA W17CCNY0.1H0 W181PHW0.1HA W181CNY0.1H0 W182PHW0.1HA W182CNY0.1H0
 W183PHW0.1HA W183CNY0.1H0 W184PHW0.1HA W184CNY0.1H0 W185PHW0.1HA W185CNY0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

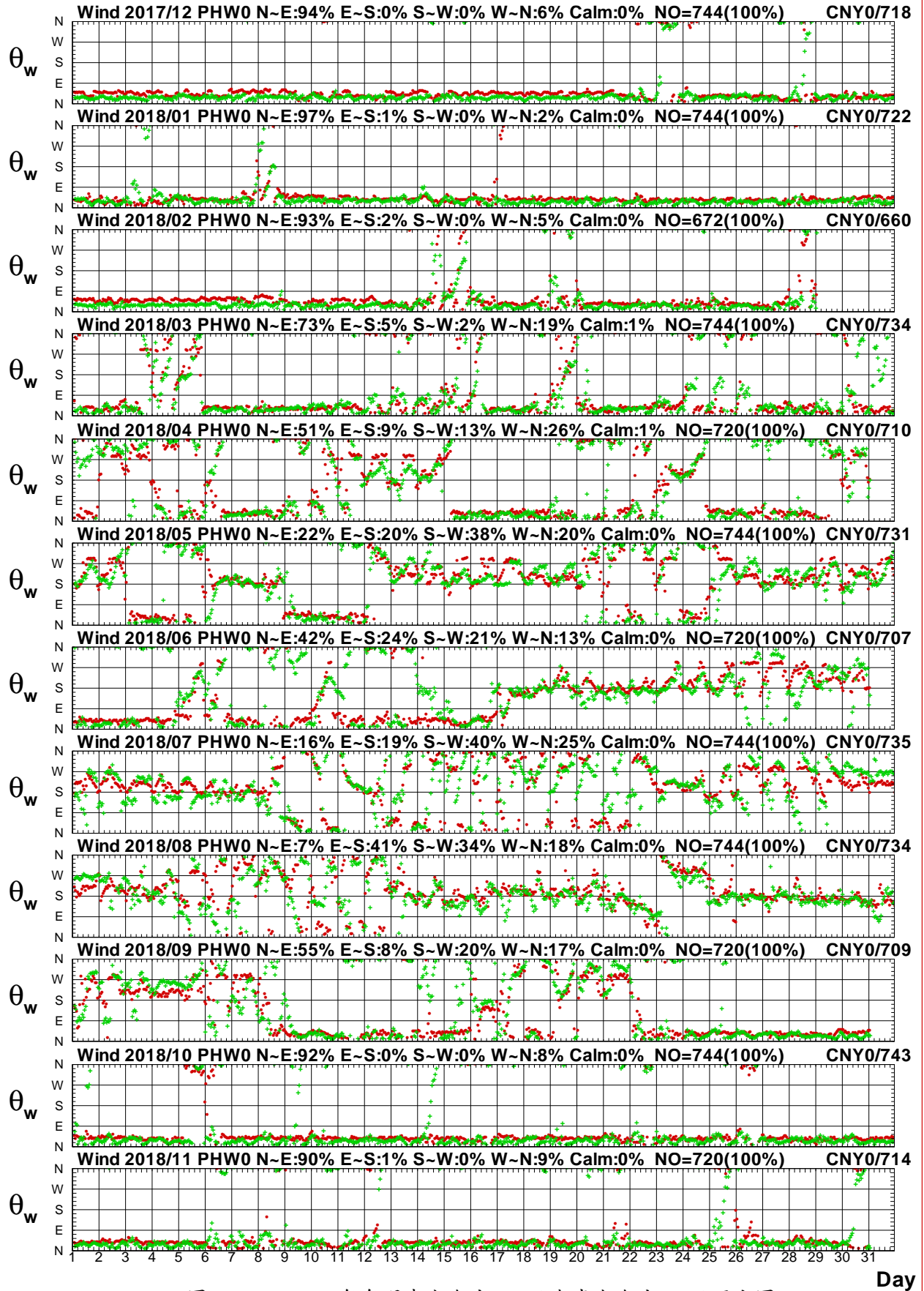


圖1.4.6b 2018年每月澎湖海域 W 站與嘉南海域 Y 站風向圖

W17CPHW0.1HA W17CCNY0.1H0 W181PHW0.1HA W181CNY0.1H0 W182PHW0.1HA W182CNY0.1H0
 W183PHW0.1HA W183CNY0.1H0 W184PHW0.1HA W184CNY0.1H0 W185PHW0.1HA W185CNY0.1H0

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Wind Speed in Peng-Hu Seas of PHW0 at 2018

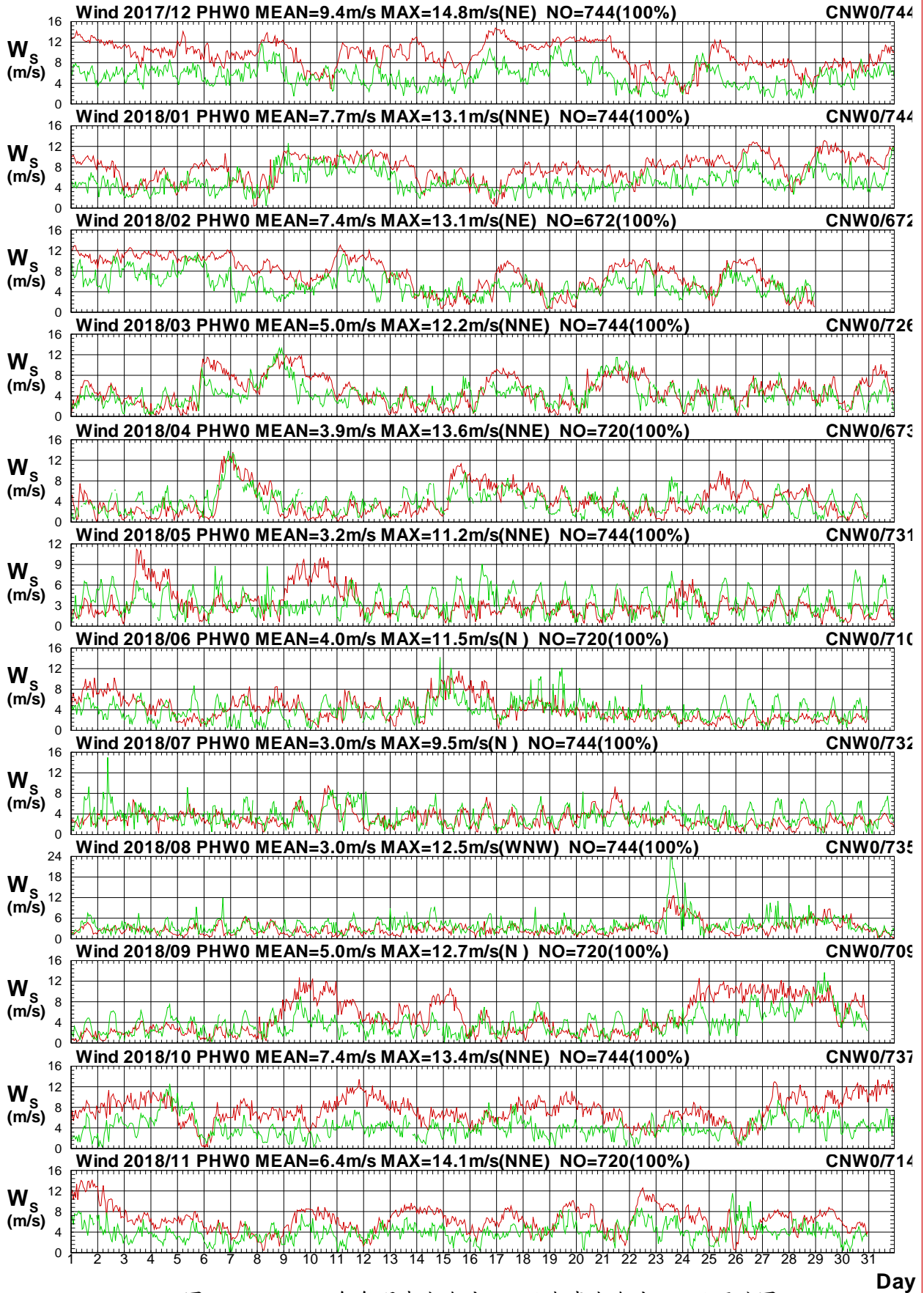


圖1.4.7a 2018年每月澎湖海域 W 站與嘉南海域 W 站風速圖

W17CPHW0.1HA W17CCNW0.1H0 W181PHW0.1HA W181CNW0.1H0 W182PHW0.1HA W182CNW0.1H0
 W183PHW0.1HA W183CNW0.1H0 W184PHW0.1HA W184CNW0.1H0 W185PHW0.1HA W185CNW0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

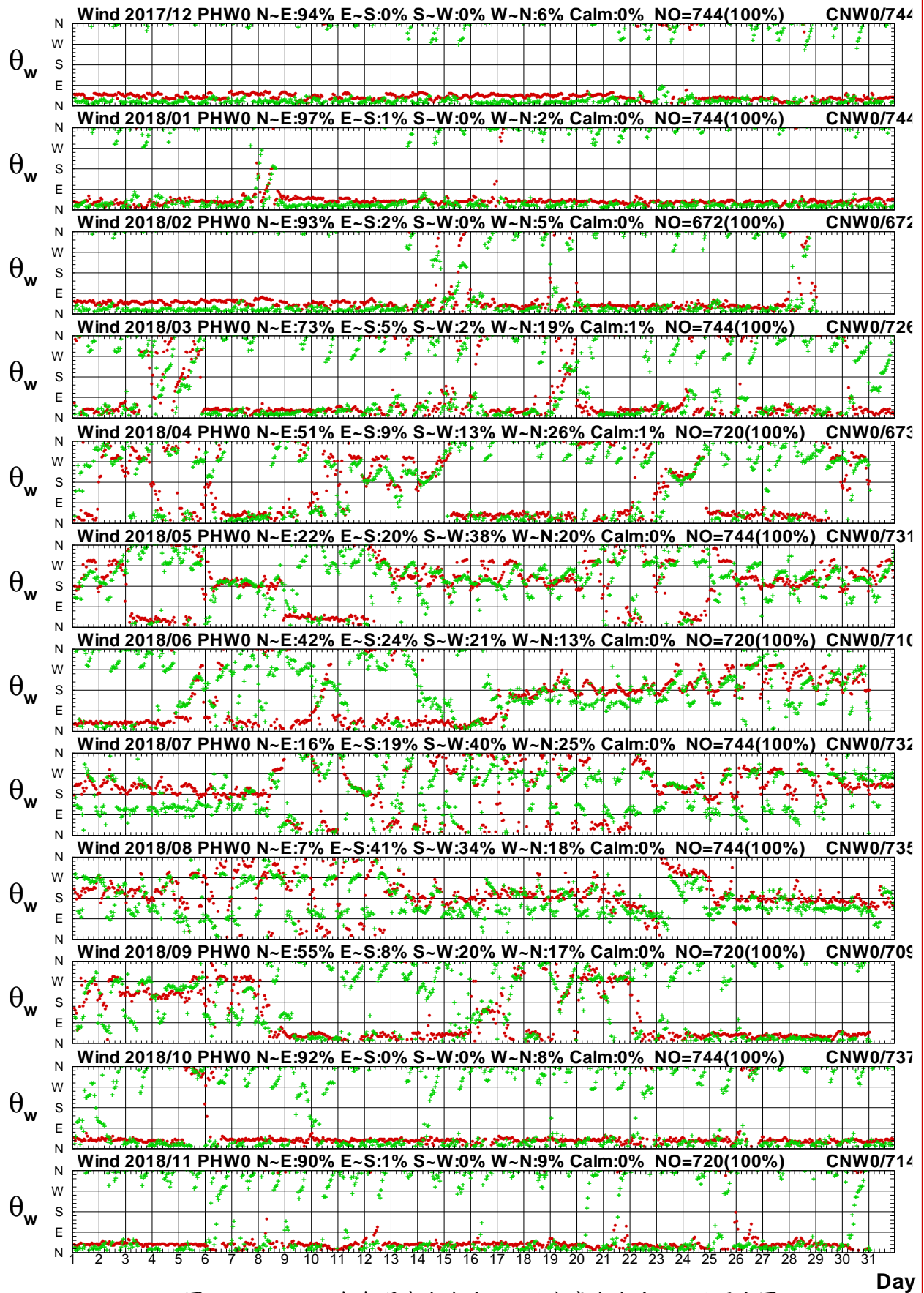


圖1.4.7b 2018年每月澎湖海域 W 站與嘉南海域 W 站風向圖

W17CPHW0.1HA W17CCNW0.1H0 W181PHW0.1HA W181CNW0.1H0 W182PHW0.1HA W182CNW0.1H0
 W183PHW0.1HA W183CNW0.1H0 W184PHW0.1HA W184CNW0.1H0 W185PHW0.1HA W185CNW0.1H0
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Wind Speed in Peng-Hu Seas of PHW0 at 2018

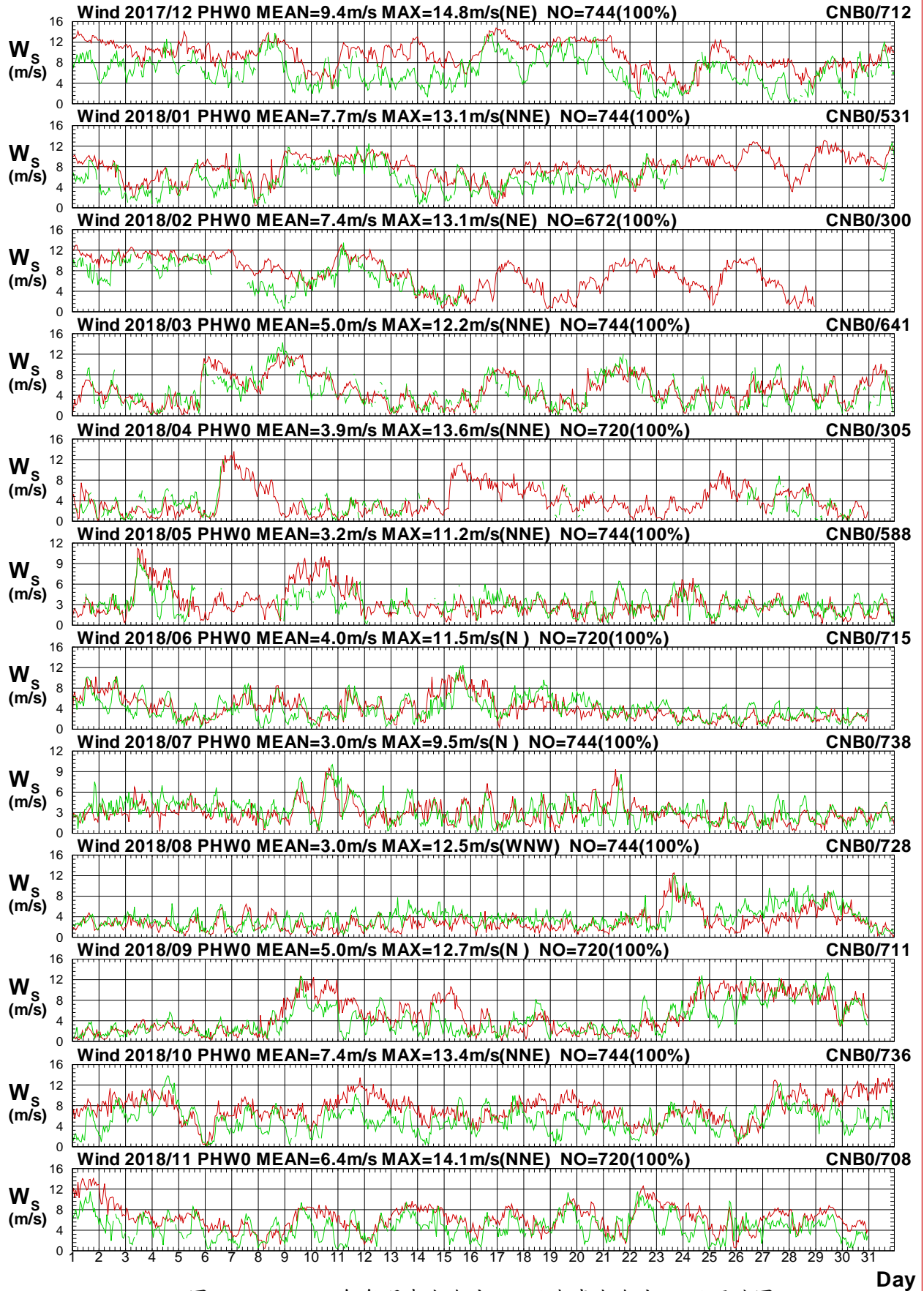


圖1.4.8a 2018年每月澎湖海域 W 站與嘉南海域 B 站風速圖

W17CPHW0.1HA W17CCNB0.1H0 W181PHW0.1HA W181CNB0.1H0 W182PHW0.1HA W182CNB0.1H0
 W183PHW0.1HA W183CNB0.1H0 W184PHW0.1HA W184CNB0.1H0 W185PHW0.1HA W185CNB0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

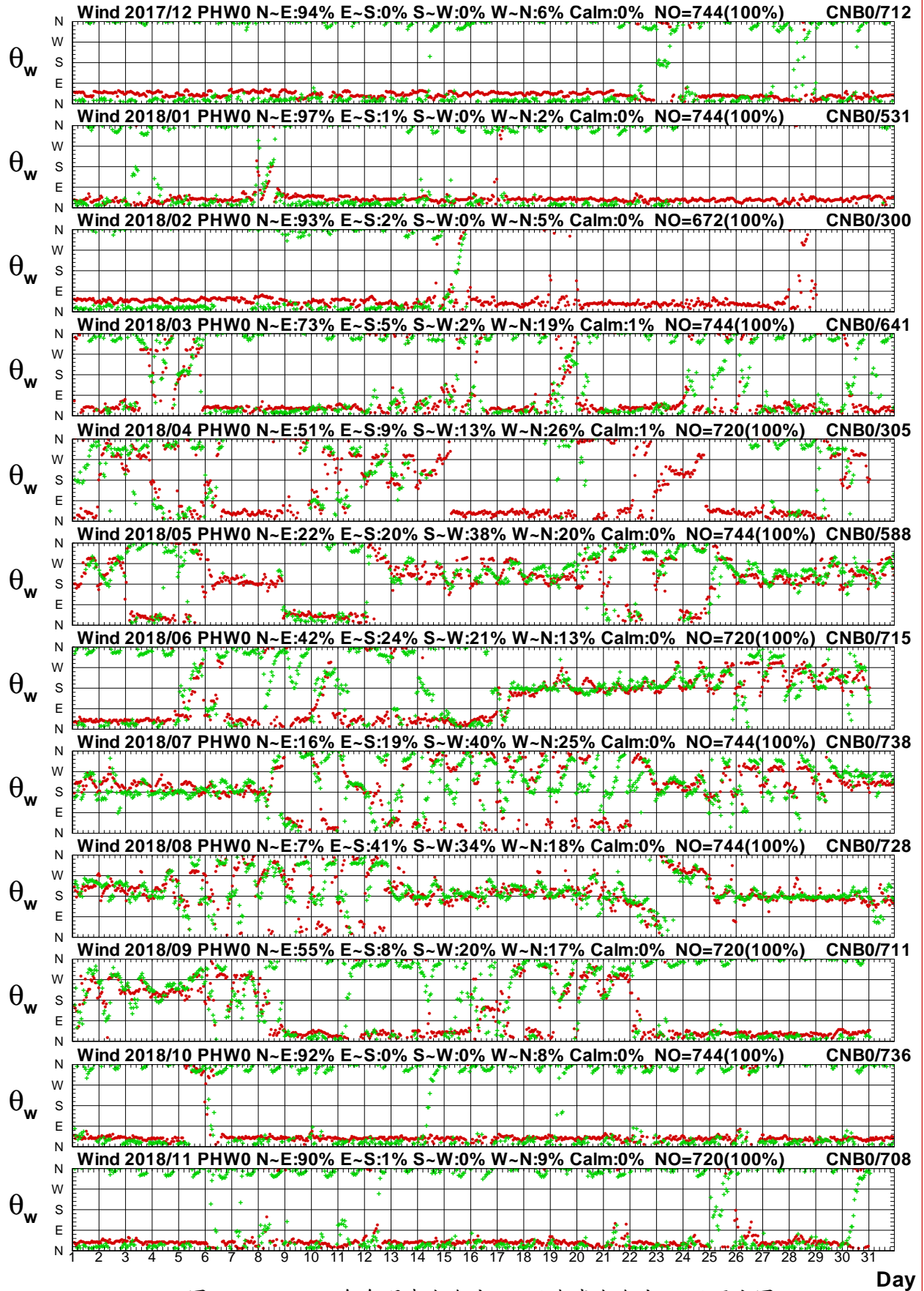


圖 1.4.8b 2018 年每月澎湖海域 W 站與嘉南海域 B 站風向圖

W17CPHW0.1HA W17CCNB0.1HO W181PHW0.1HA W181CNB0.1HO W182PHW0.1HA W182CNB0.1HO
 W183PHW0.1HA W183CNB0.1HO W184PHW0.1HA W184CNB0.1HO W185PHW0.1HA W185CNB0.1HO
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Wind Speed in Peng-Hu Seas of PHW0 at 2018

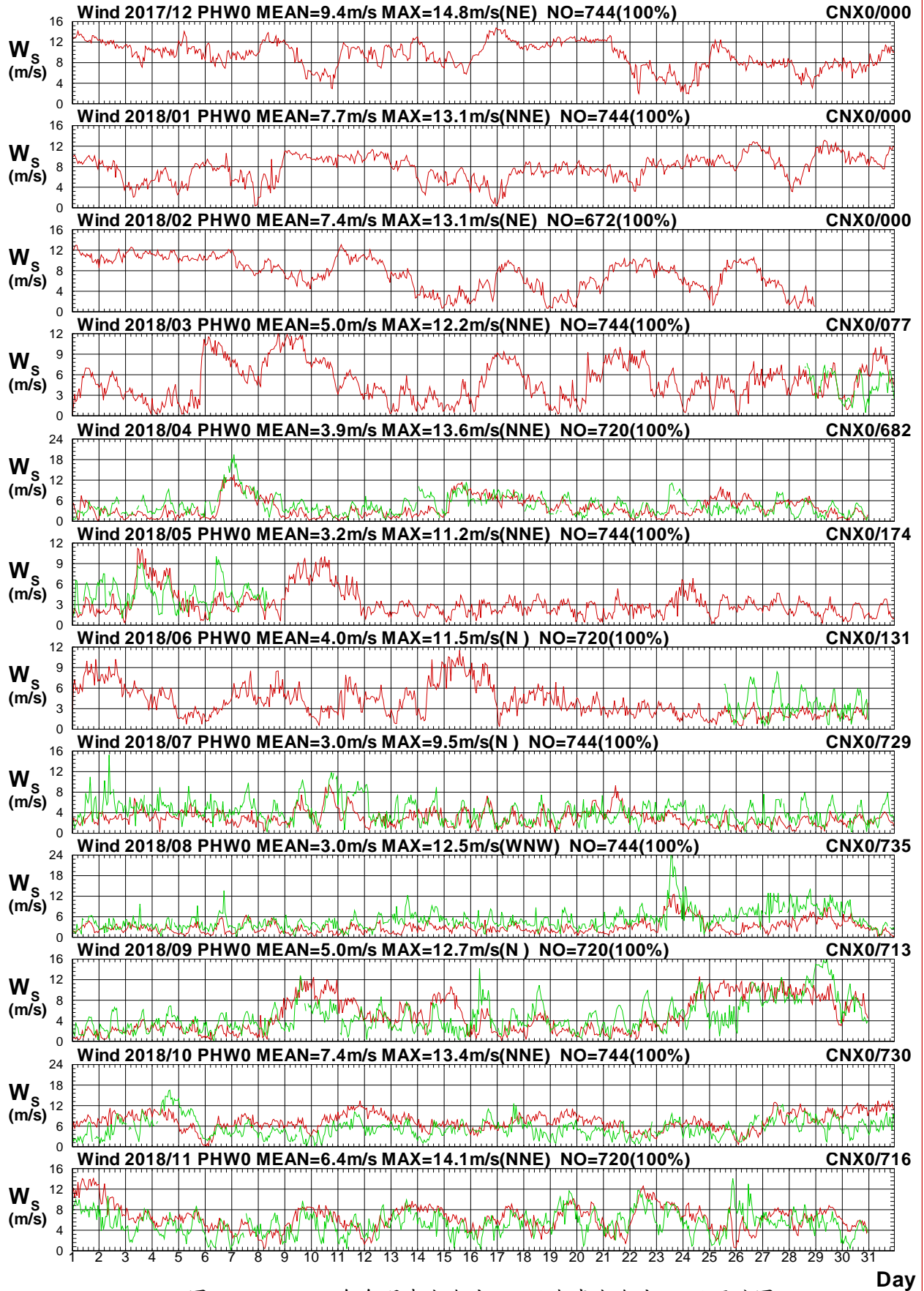


圖1.4.9a 2018年每月澎湖海域 W 站與嘉南海域 X 站風速圖

W17CPHW0.1HA W17CCNX0.1H0 W181PHW0.1HA W181CNX0.1H0 W182PHW0.1HA W182CNX0.1H0
 W183PHW0.1HA W183CNX0.1H0 W184PHW0.1HA W184CNX0.1H0 W185PHW0.1HA W185CNX0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

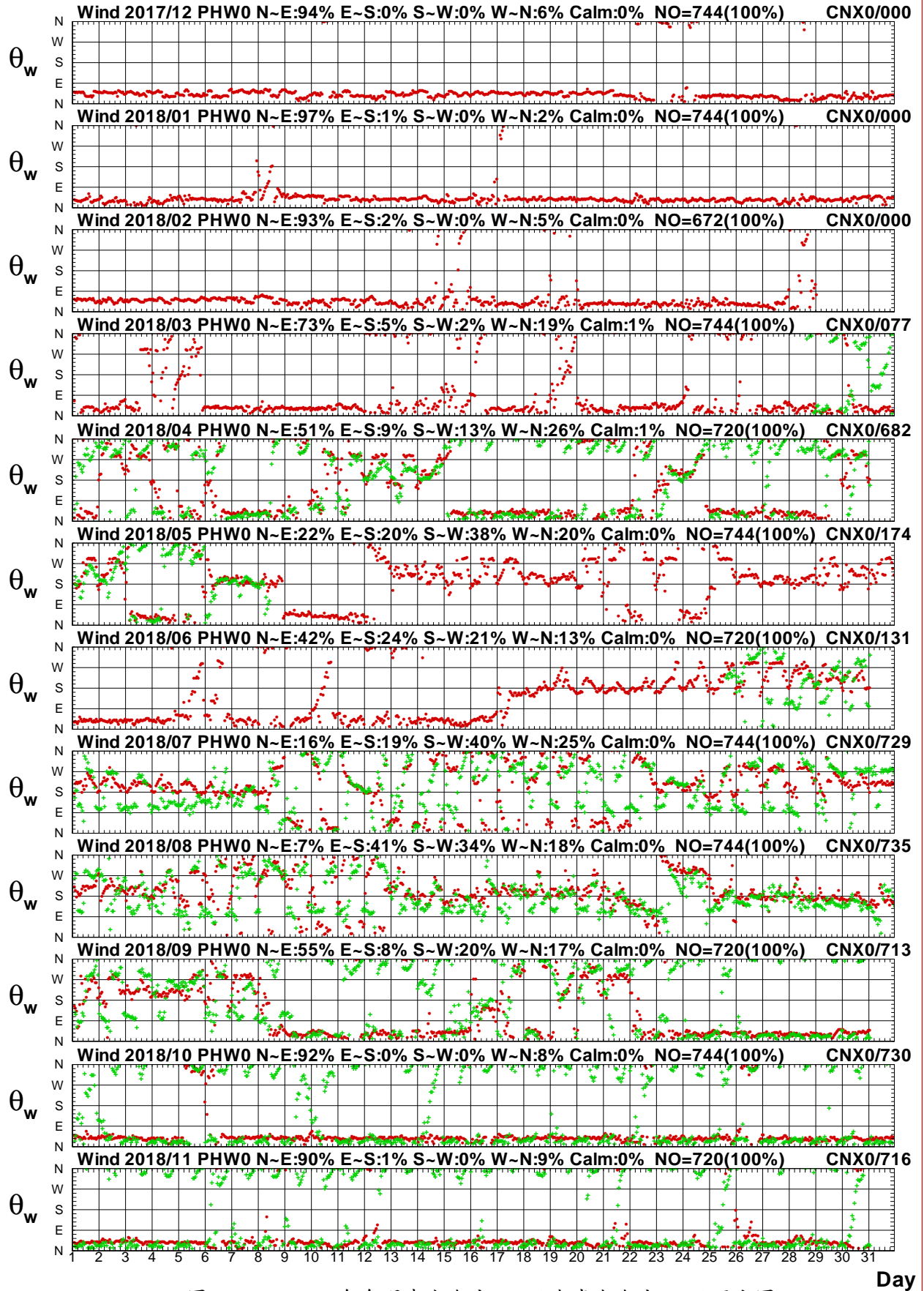


圖1.4.9b 2018年每月澎湖海域 W 站與嘉南海域 X 站風向圖

W17CPHW0.1HA W17CCNX0.1H0 W181PHW0.1HA W181CNX0.1H0 W182PHW0.1HA W182CNX0.1H0
 W183PHW0.1HA W183CNX0.1H0 W184PHW0.1HA W184CNX0.1H0 W185PHW0.1HA W185CNX0.1H0

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Wind Speed in Peng-Hu Seas of PHW0 at 2018

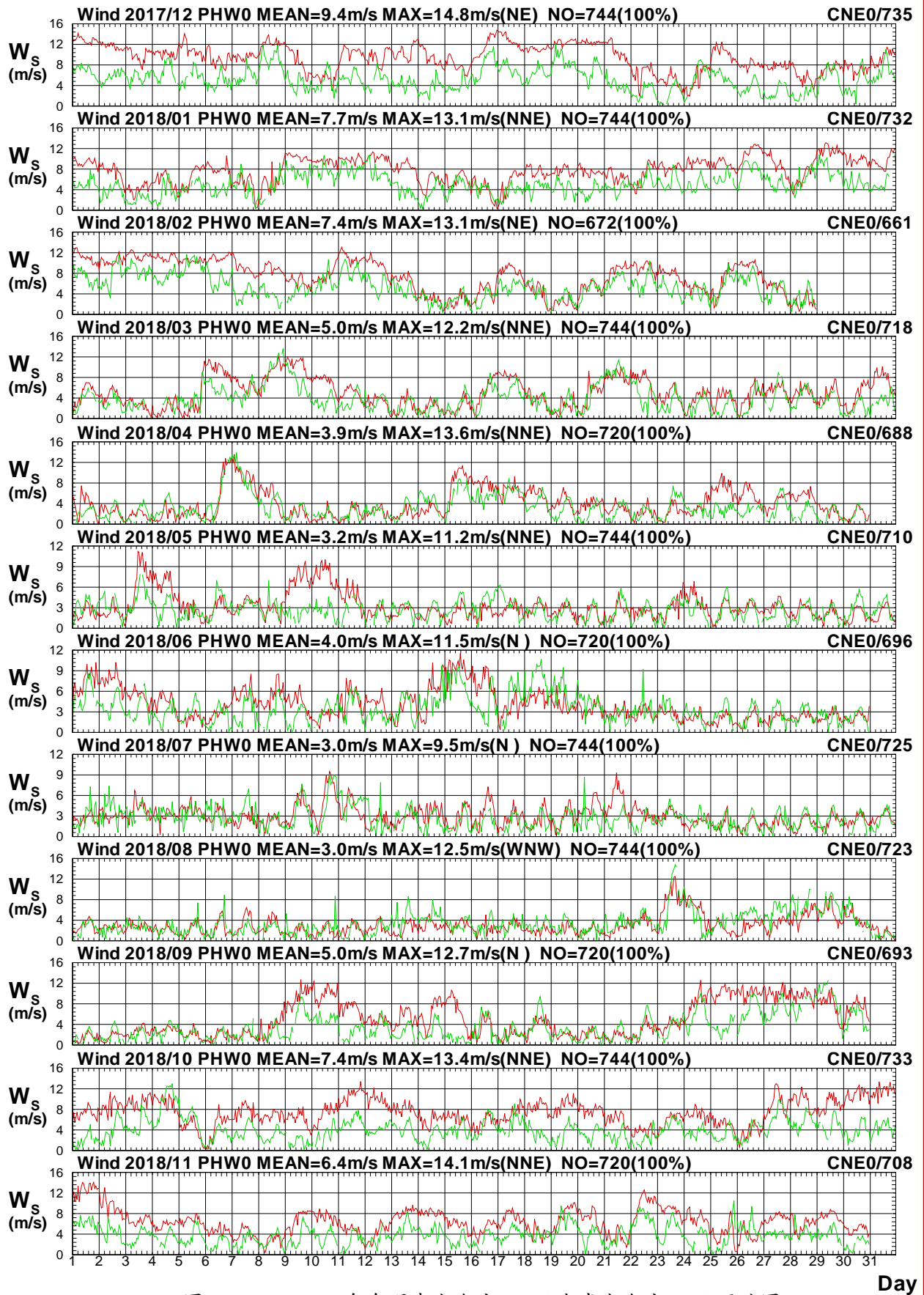


圖1.4.10a 2018年每月澎湖海域 W 站與嘉南海域 E 站風速圖

W17CPHW0.1HA W17CCNE0.1HO W181PHW0.1HA W181CNE0.1HO W182PHW0.1HA W182CNE0.1HO
 W183PHW0.1HA W183CNE0.1HO W184PHW0.1HA W184CNE0.1HO W185PHW0.1HA W185CNE0.1HO

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

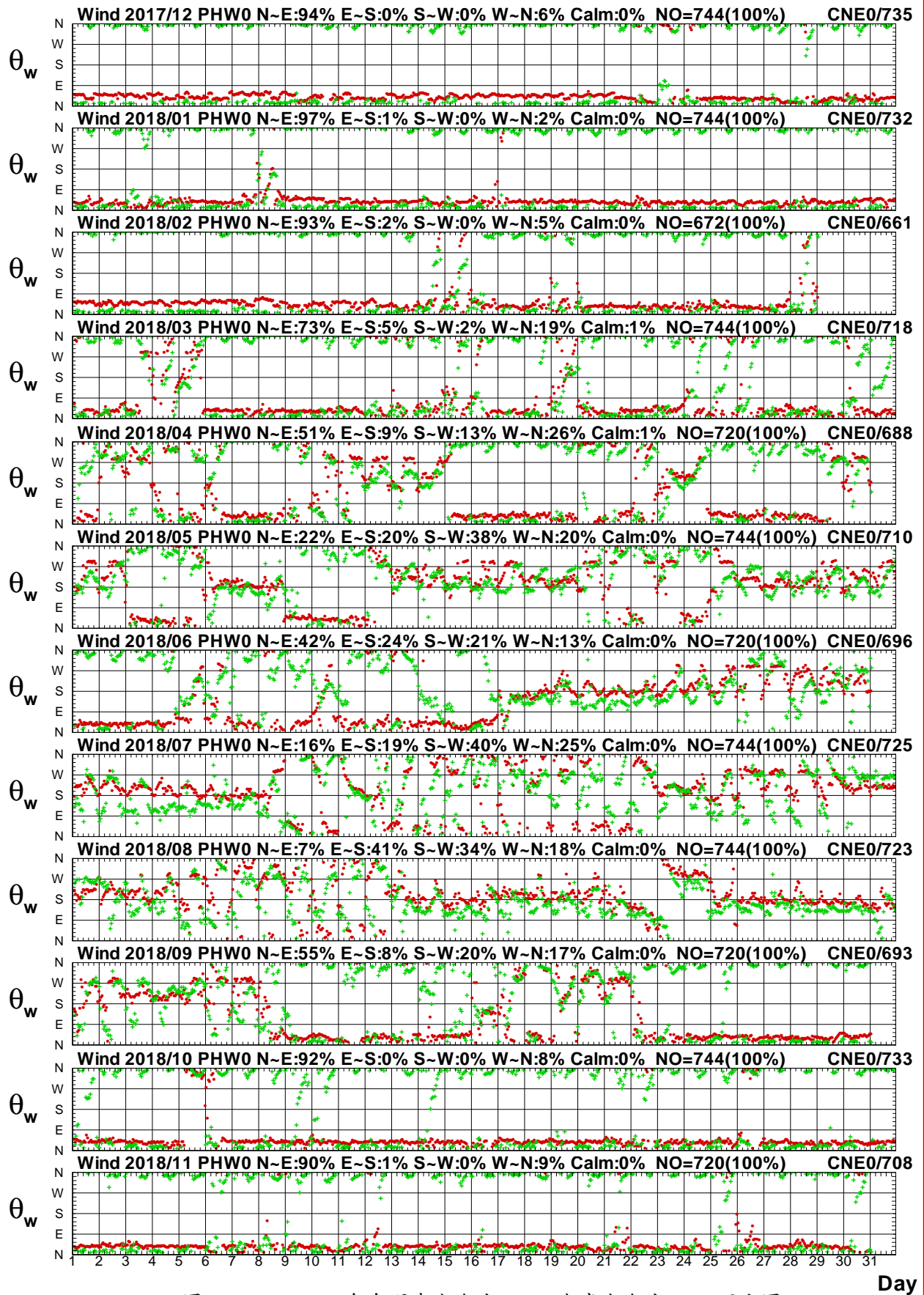


圖 1.4.10b 2018年每月澎湖海域 W 站與嘉南海域 E 站風向圖

W17CPHW0.1HA W17CCNE0.1H0 W181PHW0.1HA W181CNE0.1H0 W182PHW0.1HA W182CNE0.1H0
 W183PHW0.1HA W183CNE0.1H0 W184PHW0.1HA W184CNE0.1H0 W185PHW0.1HA W185CNE0.1H0

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Wind Speed in Peng-Hu Seas of PHW0 at 2018

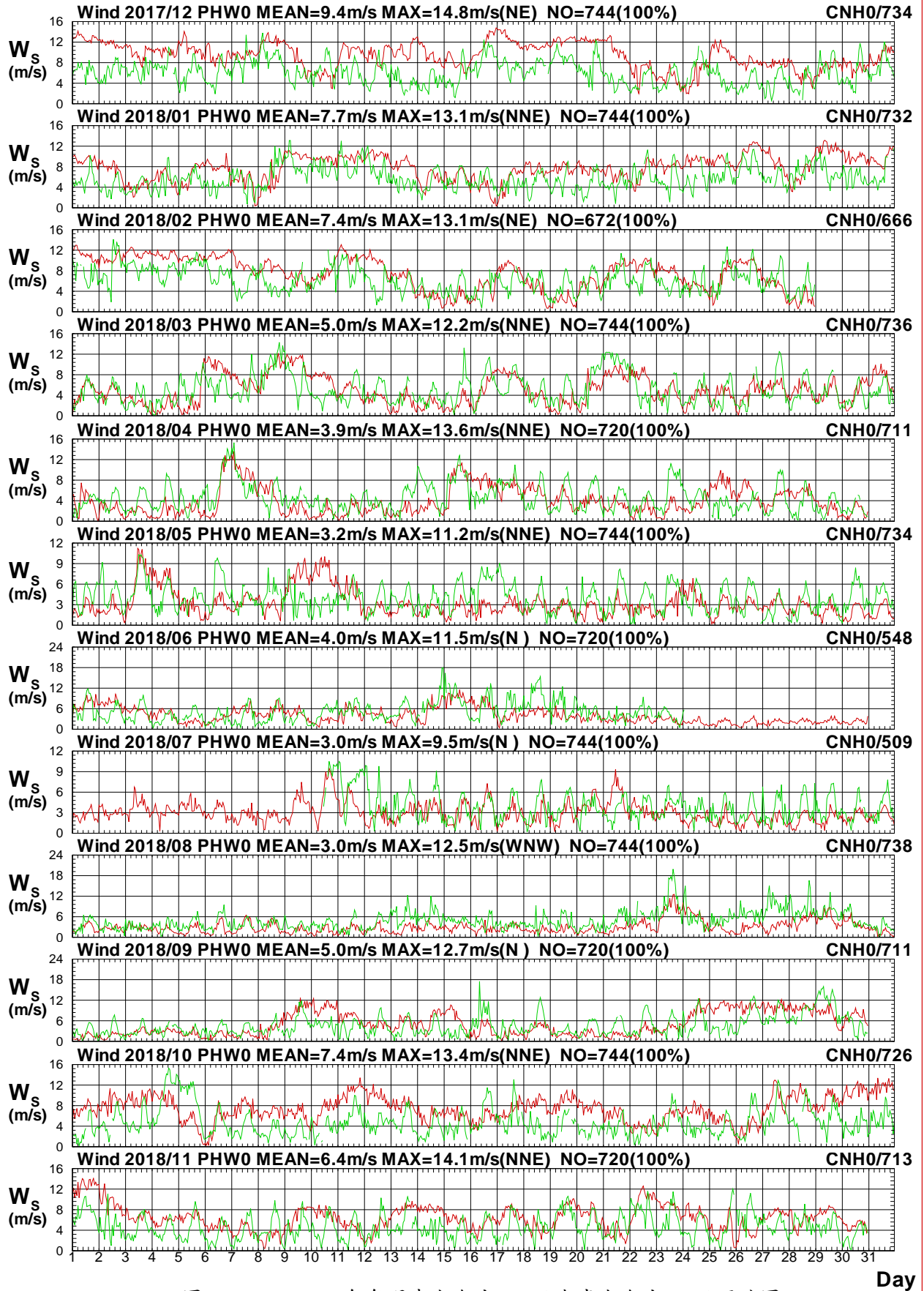


圖 1.4.11a 2018年每月澎湖海域 W 站與嘉南海域 H 站風速圖

W17CPHW0.1HA W17CCNH0.1H0 W181PHW0.1HA W181CNH0.1H0 W182PHW0.1HA W182CNH0.1H0
 W183PHW0.1HA W183CNH0.1H0 W184PHW0.1HA W184CNH0.1H0 W185PHW0.1HA W185CNH0.1H0
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Wind Direction in Peng-Hu Seas of PHW0 at 2018

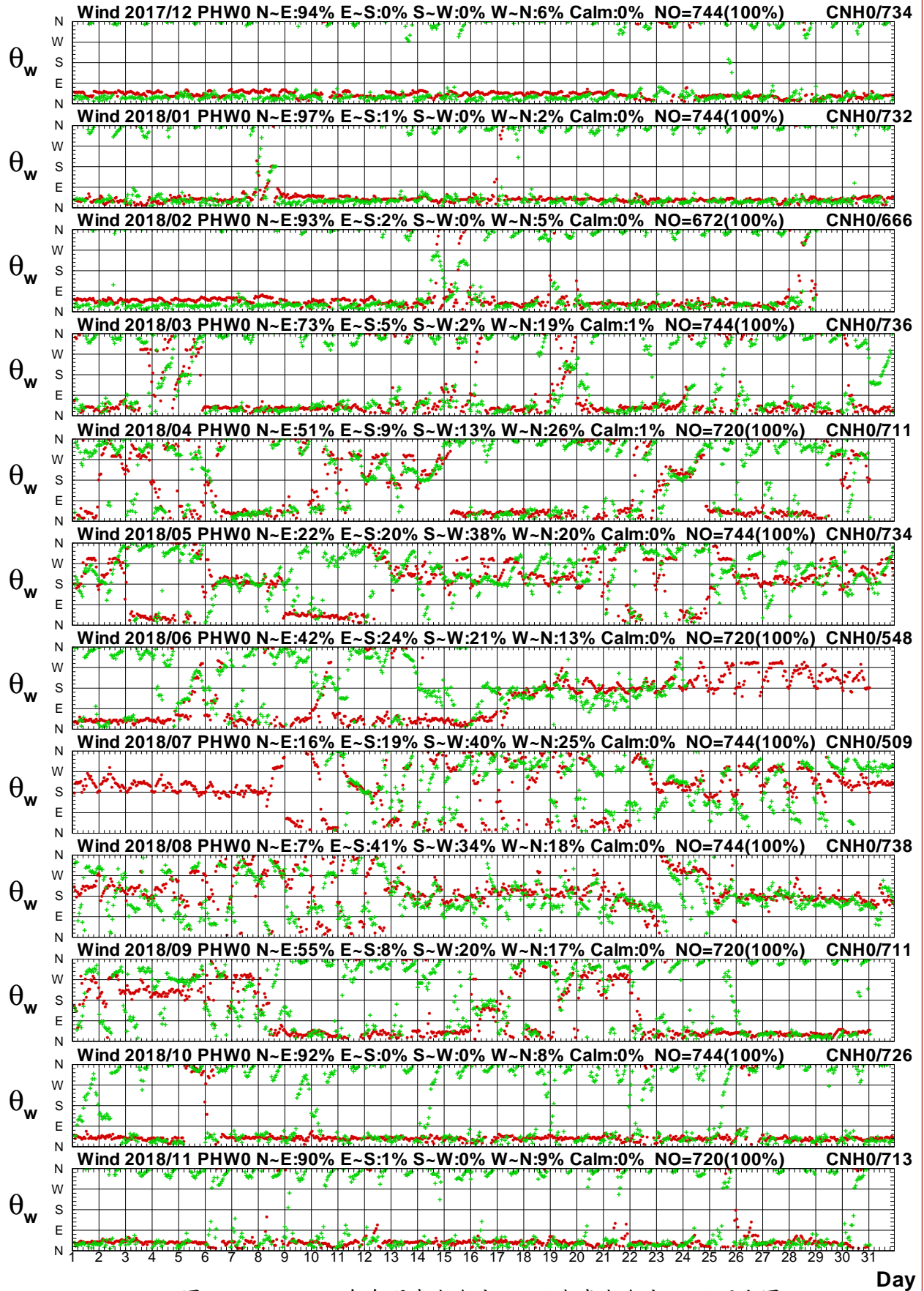


圖1.4.11b 2018年每月澎湖海域 W 站與嘉南海域 H 站風向圖

W17CPHW0.1HA W17CCNH0.1HO W181PHW0.1HA W181CNH0.1HO W182PHW0.1HA W182CNH0.1HO
 W183PHW0.1HA W183CNH0.1HO W184PHW0.1HA W184CNH0.1HO W185PHW0.1HA W185CNH0.1HO
 Institute of Harbor & Marine Technology

Wind Speed in Peng-Hu Seas of PHW0 at 2018

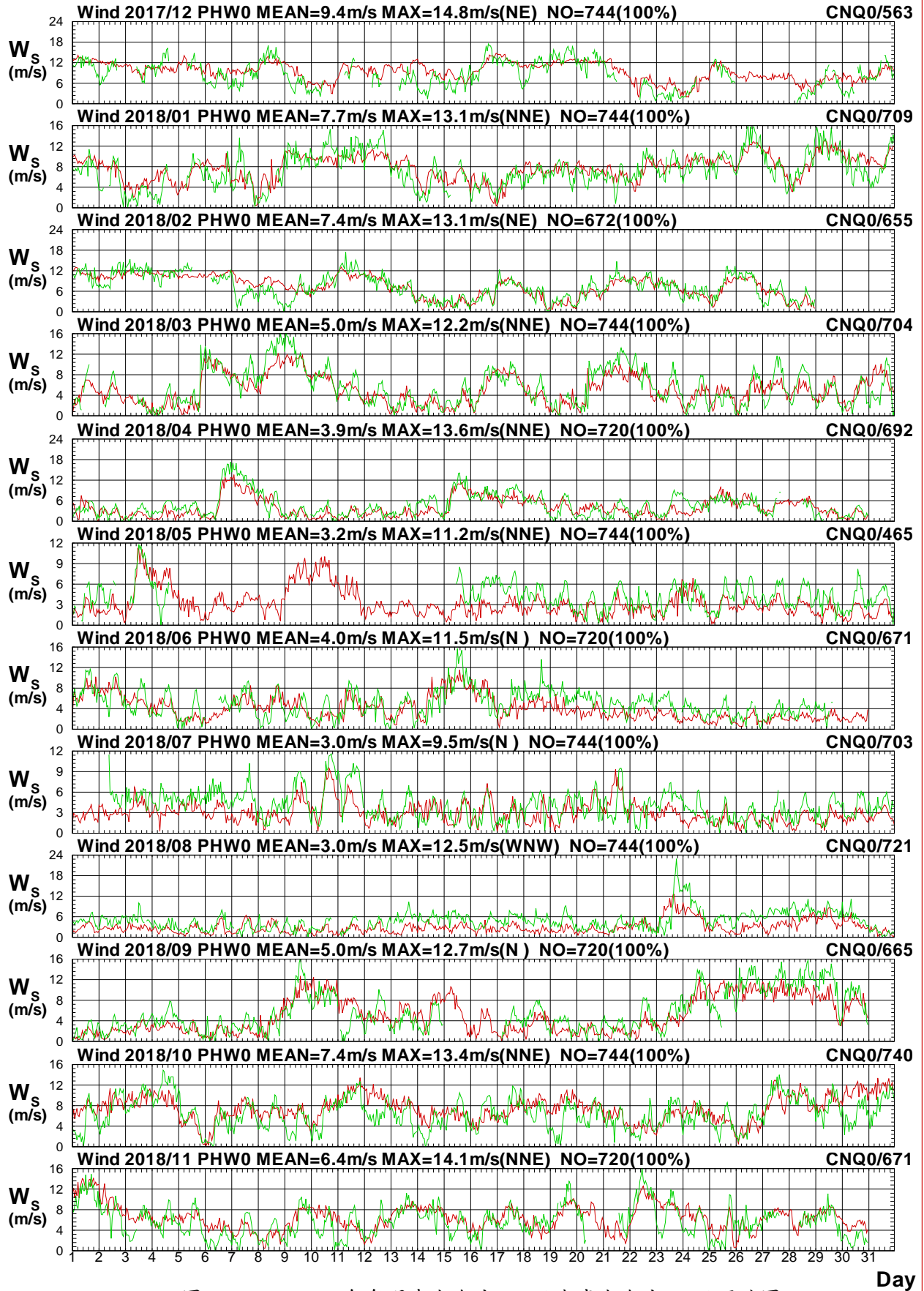


圖 1.4.12a 2018年每月澎湖海域 W 站與嘉南海域 Q 站風速圖

W17CPHW0.1HA W17CCNQ0.1H0 W181PHW0.1HA W181CNQ0.1H0 W182PHW0.1HA W182CNQ0.1H0
 W183PHW0.1HA W183CNQ0.1H0 W184PHW0.1HA W184CNQ0.1H0 W185PHW0.1HA W185CNQ0.1H0
 Institute of Harbor & Marine Technology

Wind Direction in Peng-Hu Seas of PHW0 at 2018

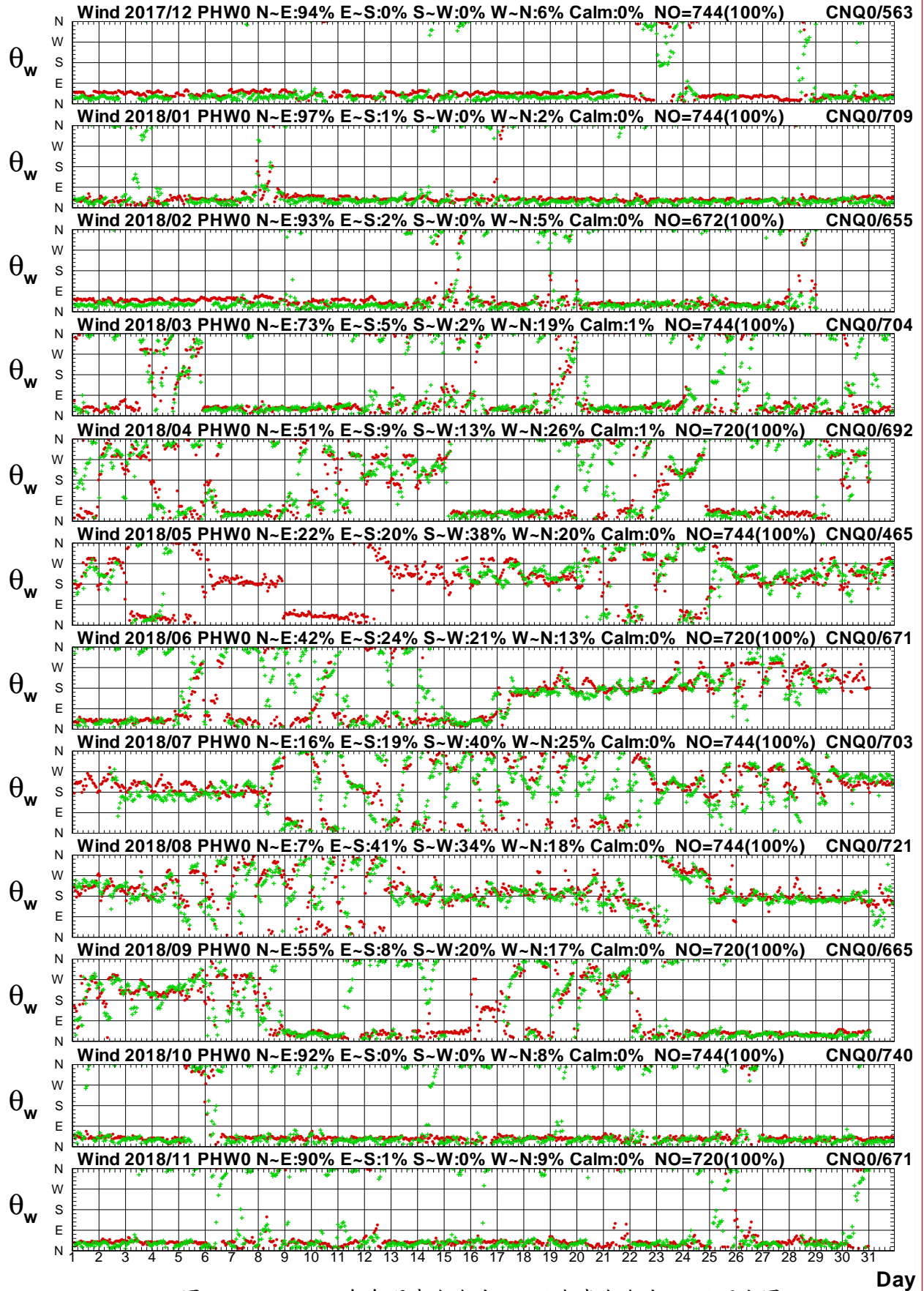


圖 1.4.12b 2018年每月澎湖海域 W 站與嘉南海域 Q 站風向圖

W17CPHW0.1HA W17CCNQ0.1H0 W181PHW0.1HA W181CNQ0.1H0 W182PHW0.1HA W182CNQ0.1H0
 W183PHW0.1HA W183CNQ0.1H0 W184PHW0.1HA W184CNQ0.1H0 W185PHW0.1HA W185CNQ0.1H0
 Institute of Harbor & Marine Technology

Wind Speed in Peng-Hu Seas of PHW0 at 2018

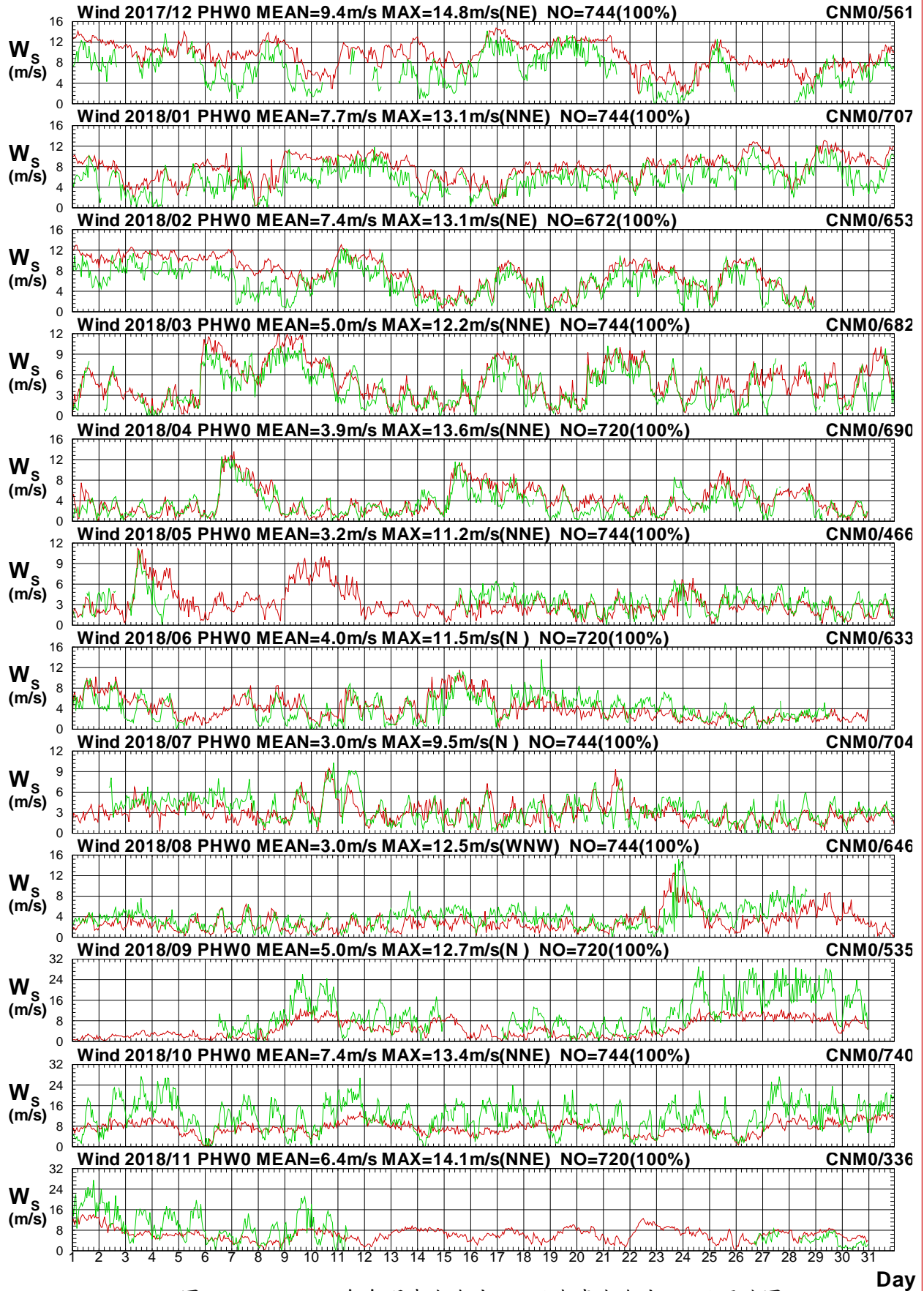


圖 1.4.13a 2018 年每月澎湖海域 W 站與嘉南海域 M 站風速圖

W17CPHW0.1HA W17CCNM0.1H0 W181PHW0.1HA W181CNM0.1H0 W182PHW0.1HA W182CNM0.1H0
 W183PHW0.1HA W183CNM0.1H0 W184PHW0.1HA W184CNM0.1H0 W185PHW0.1HA W185CNM0.1H0
 Institute of Harbor & Marine Technology

Wind Direction in Peng-Hu Seas of PHW0 at 2018

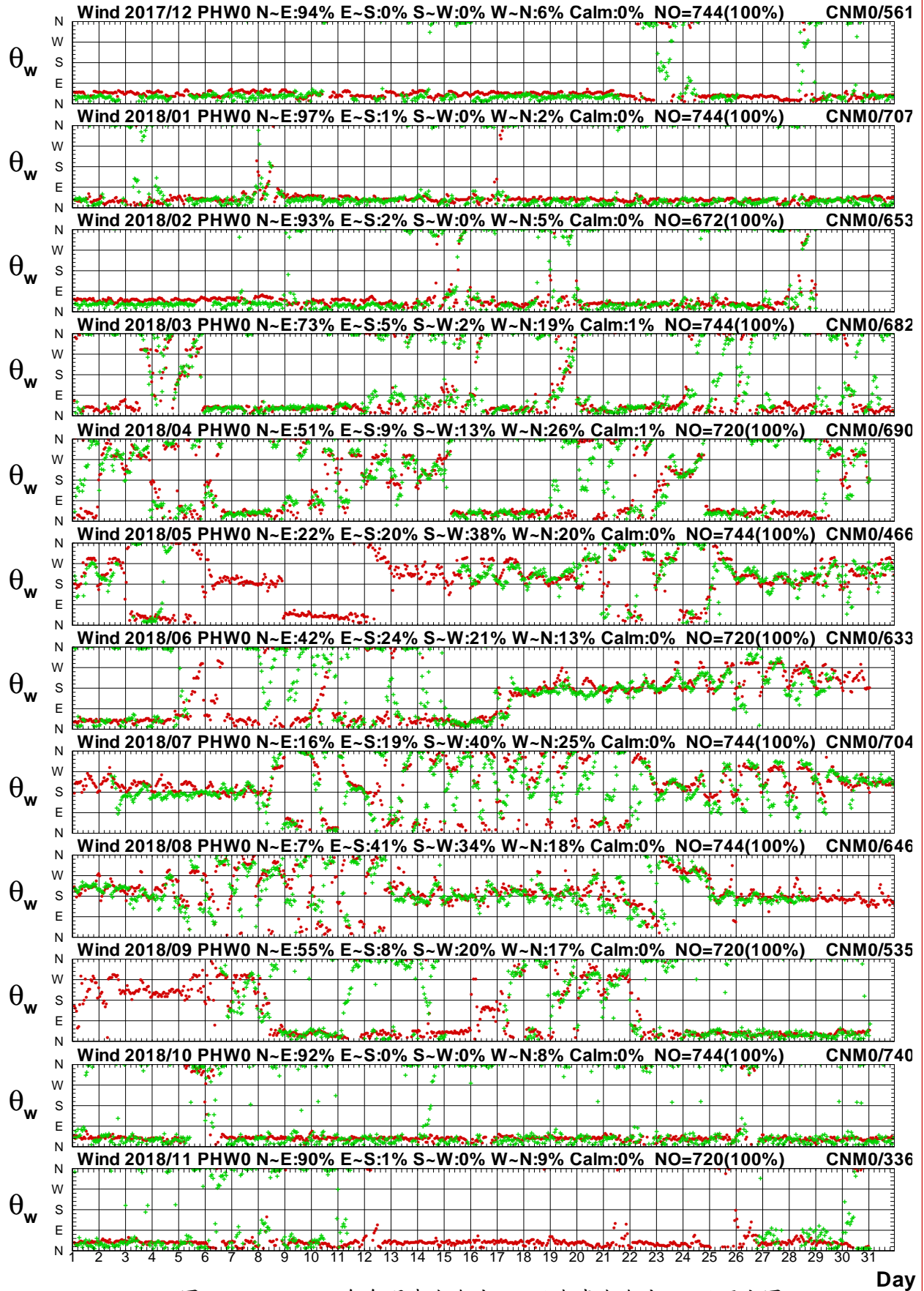


圖 1.4.13b 2018 年每月澎湖海域 W 站與嘉南海域 M 站風向圖

W17CPHW0.1HA W17CCNM0.1H0 W181PHW0.1HA W181CNM0.1H0 W182PHW0.1HA W182CNM0.1H0
 W183PHW0.1HA W183CNM0.1H0 W184PHW0.1HA W184CNM0.1H0 W185PHW0.1HA W185CNM0.1H0
 Institute of Harbor & Marine Technology

Wind Speed in Peng-Hu Seas of PHW0 at 2018

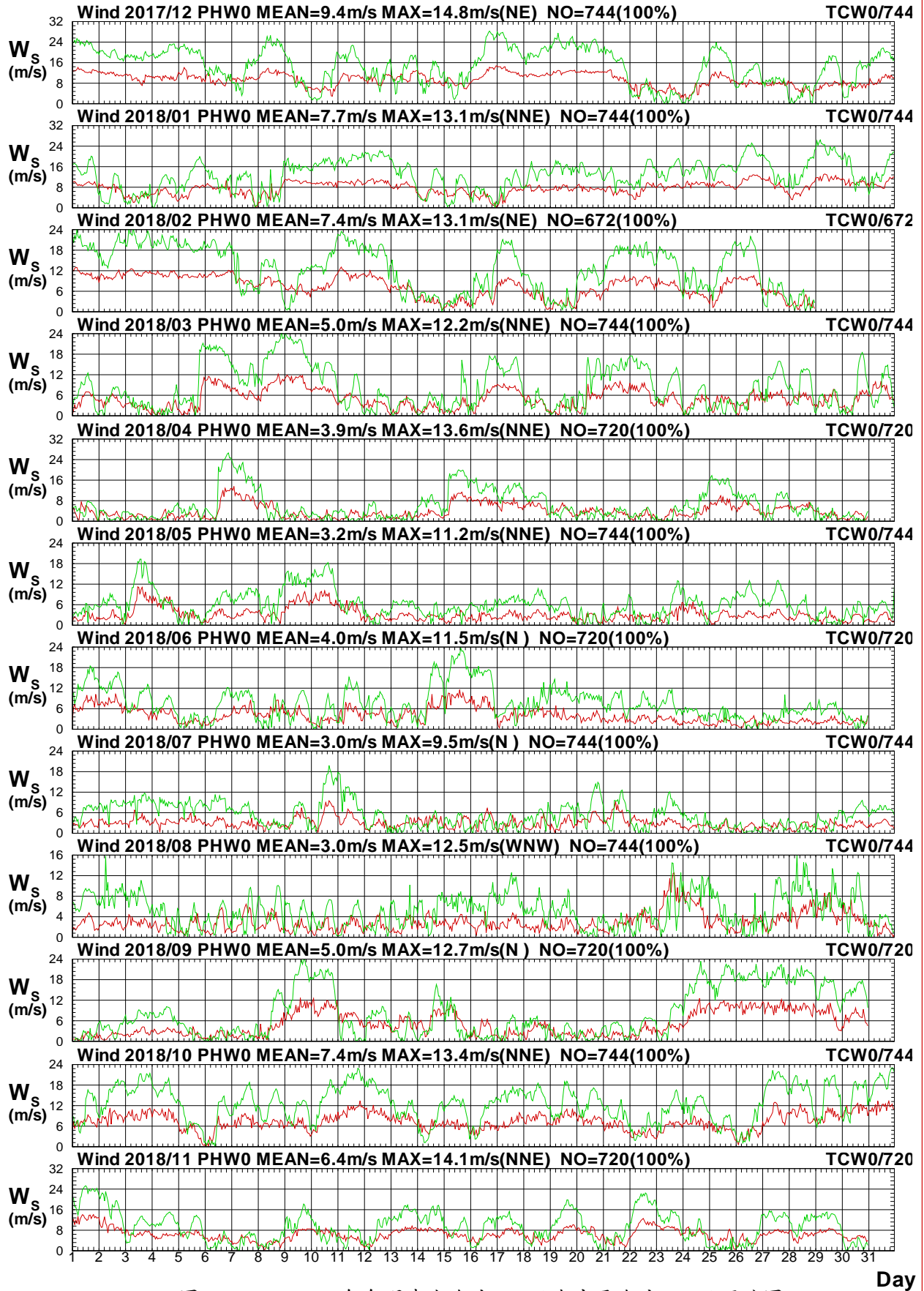


圖1.4.14a 2018年每月澎湖海域 W 站與中雲海域 W 站風速圖

W17CPHW0.1HA W17CTCW0.1H0 W181PHW0.1HA W181TCW0.1H0 W182PHW0.1HA W182TCW0.1H0
 W183PHW0.1HA W183TCW0.1H0 W184PHW0.1HA W184TCW0.1H0 W185PHW0.1HA W185TCW0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

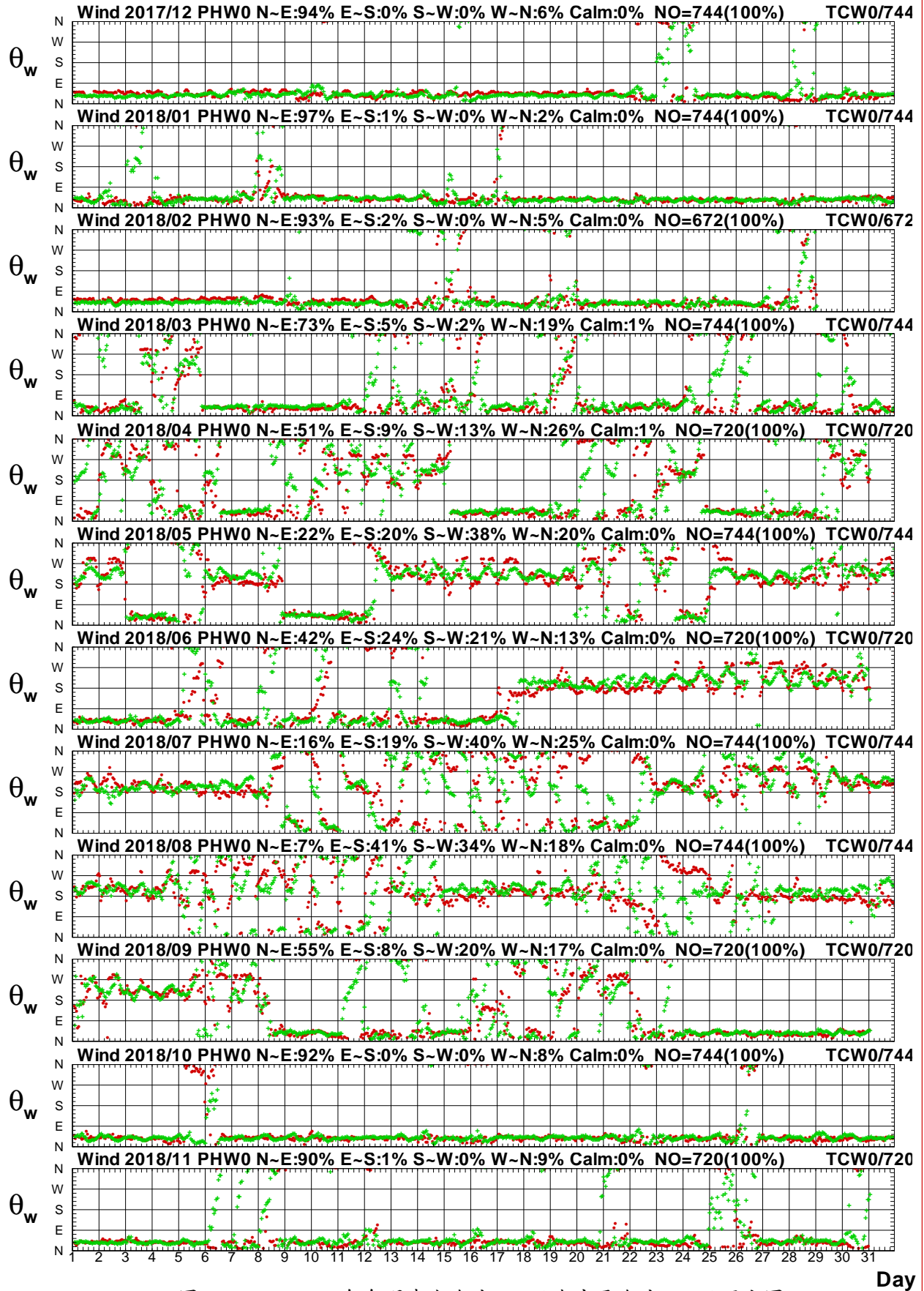


圖1.4.14b 2018年每月澎湖海域 W 站與中雲海域 W 站風向圖

W17CPHW0.1HA W17CTCW0.1H0 W181PHW0.1HA W181TCW0.1H0 W182PHW0.1HA W182TCW0.1H0
 W183PHW0.1HA W183TCW0.1H0 W184PHW0.1HA W184TCW0.1H0 W185PHW0.1HA W185TCW0.1H0
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Wind Speed in Peng-Hu Seas of PHW0 at 2018

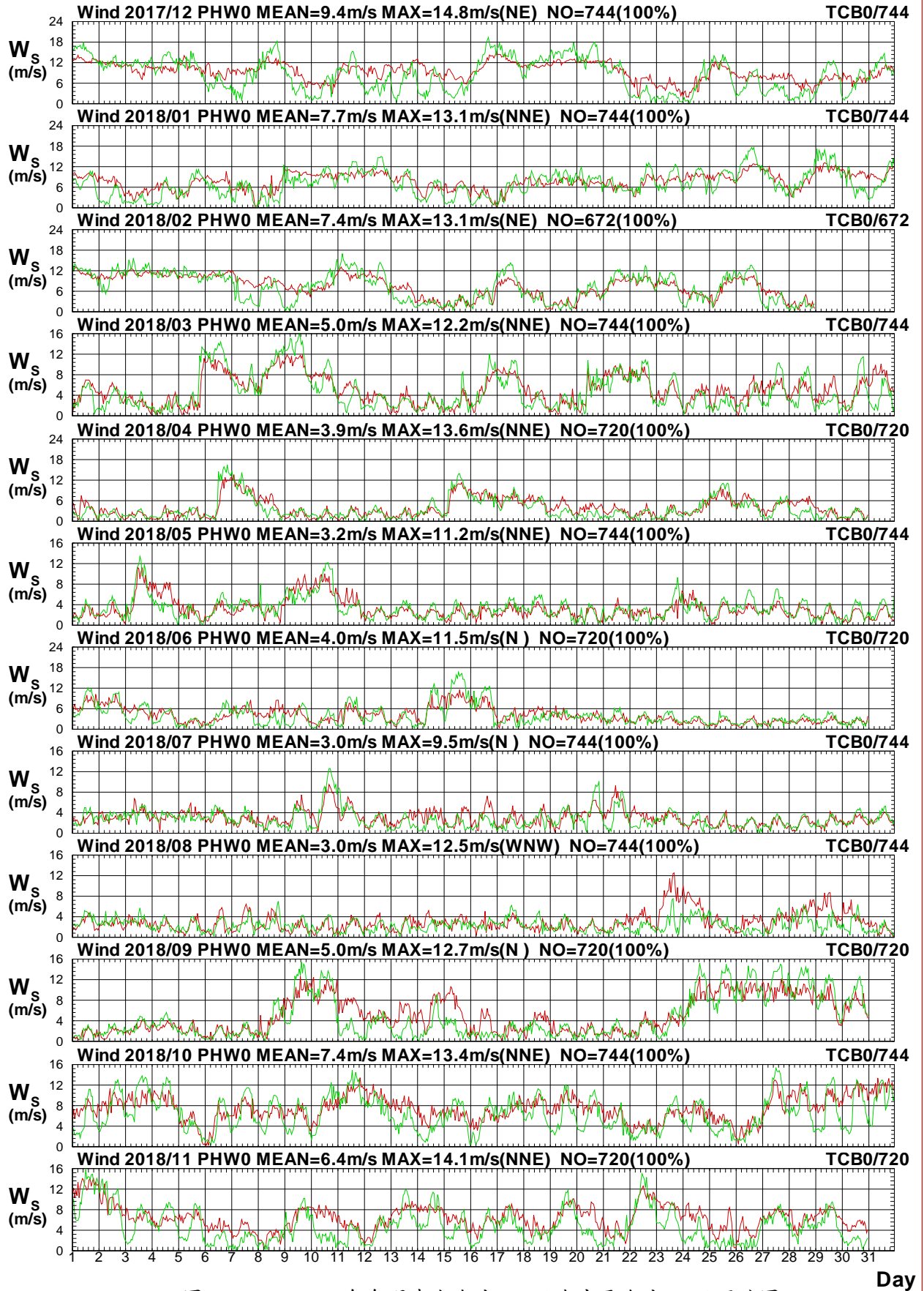


圖 1.4.15a 2018年每月澎湖海域 W 站與中雲海域 B 站風速圖

W17CPHW0.1HA W17CTCB0.1H0 W181PHW0.1HA W181TCB0.1H0 W182PHW0.1HA W182TCB0.1H0
 W183PHW0.1HA W183TCB0.1H0 W184PHW0.1HA W184TCB0.1H0 W185PHW0.1HA W185TCB0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

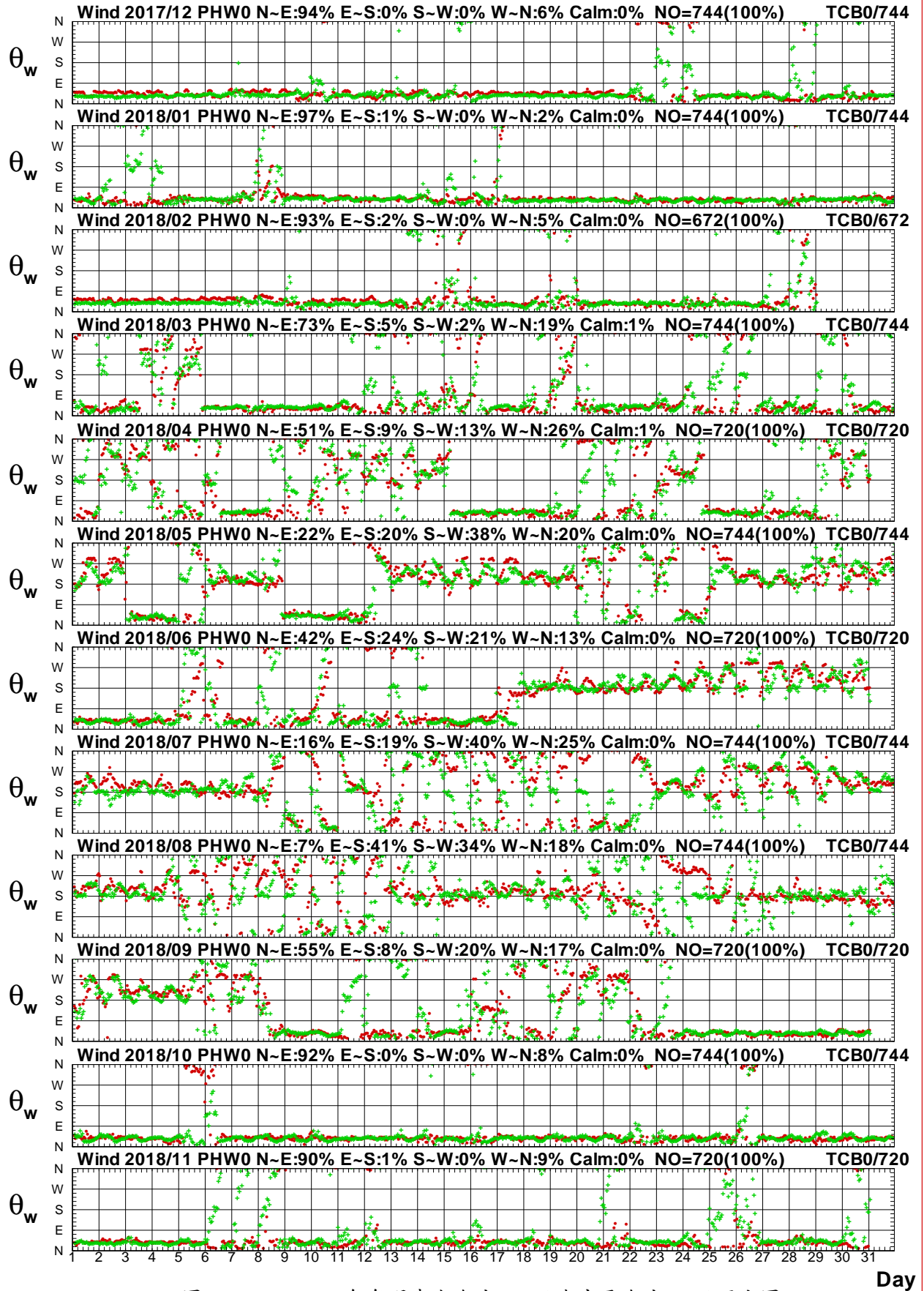


圖 1.4.15b 2018年每月澎湖海域 W 站與中雲海域 B 站風向圖

Wind Speed in Peng-Hu Seas of PHW0 at 2018

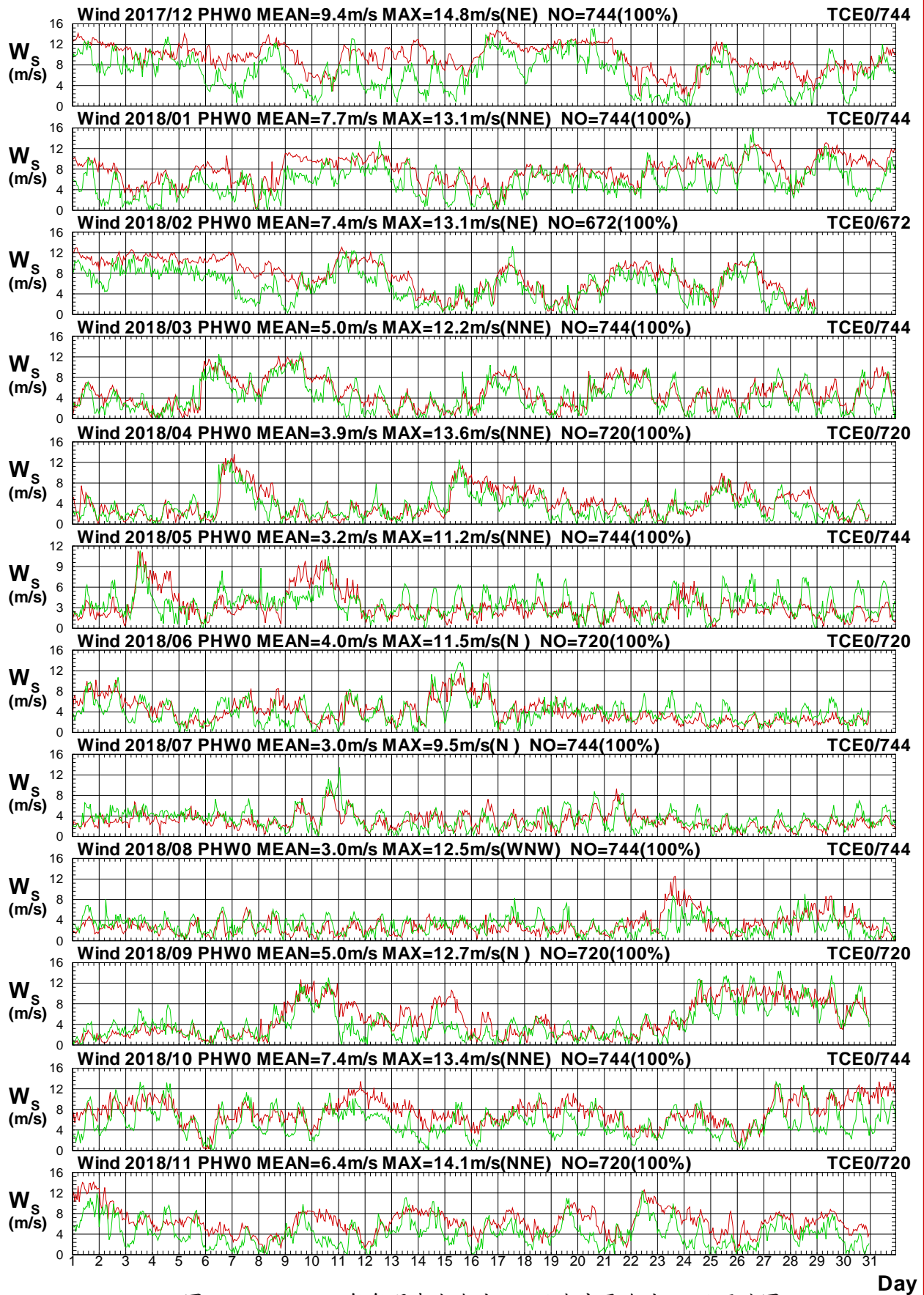


圖1.4.16a 2018年每月澎湖海域 W 站與中雲海域 E 站風速圖

W17CPHW0.1HA W17CTCE0.1H0 W181PHW0.1HA W181TCE0.1H0 W182PHW0.1HA W182TCE0.1H0
 W183PHW0.1HA W183TCE0.1H0 W184PHW0.1HA W184TCE0.1H0 W185PHW0.1HA W185TCE0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

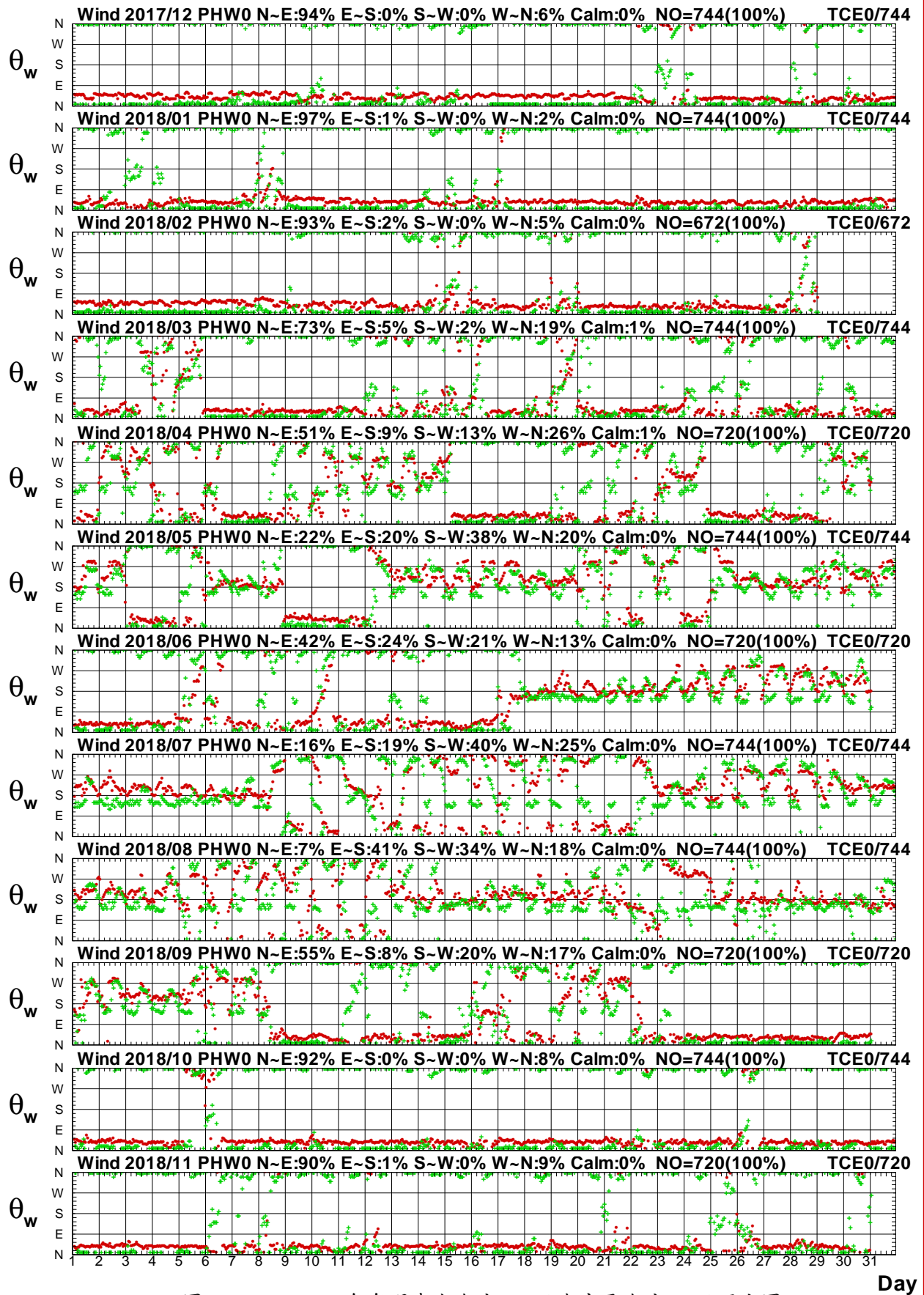


圖 1.4.16b 2018年每月澎湖海域 W 站與中雲海域 E 站風向圖

W17CPHW0.1HA W17CTCE0.1H0 W181PHW0.1HA W181TCE0.1H0 W182PHW0.1HA W182TCE0.1H0
 W183PHW0.1HA W183TCE0.1H0 W184PHW0.1HA W184TCE0.1H0 W185PHW0.1HA W185TCE0.1H0

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Wind Speed in Peng-Hu Seas of PHW0 at 2018

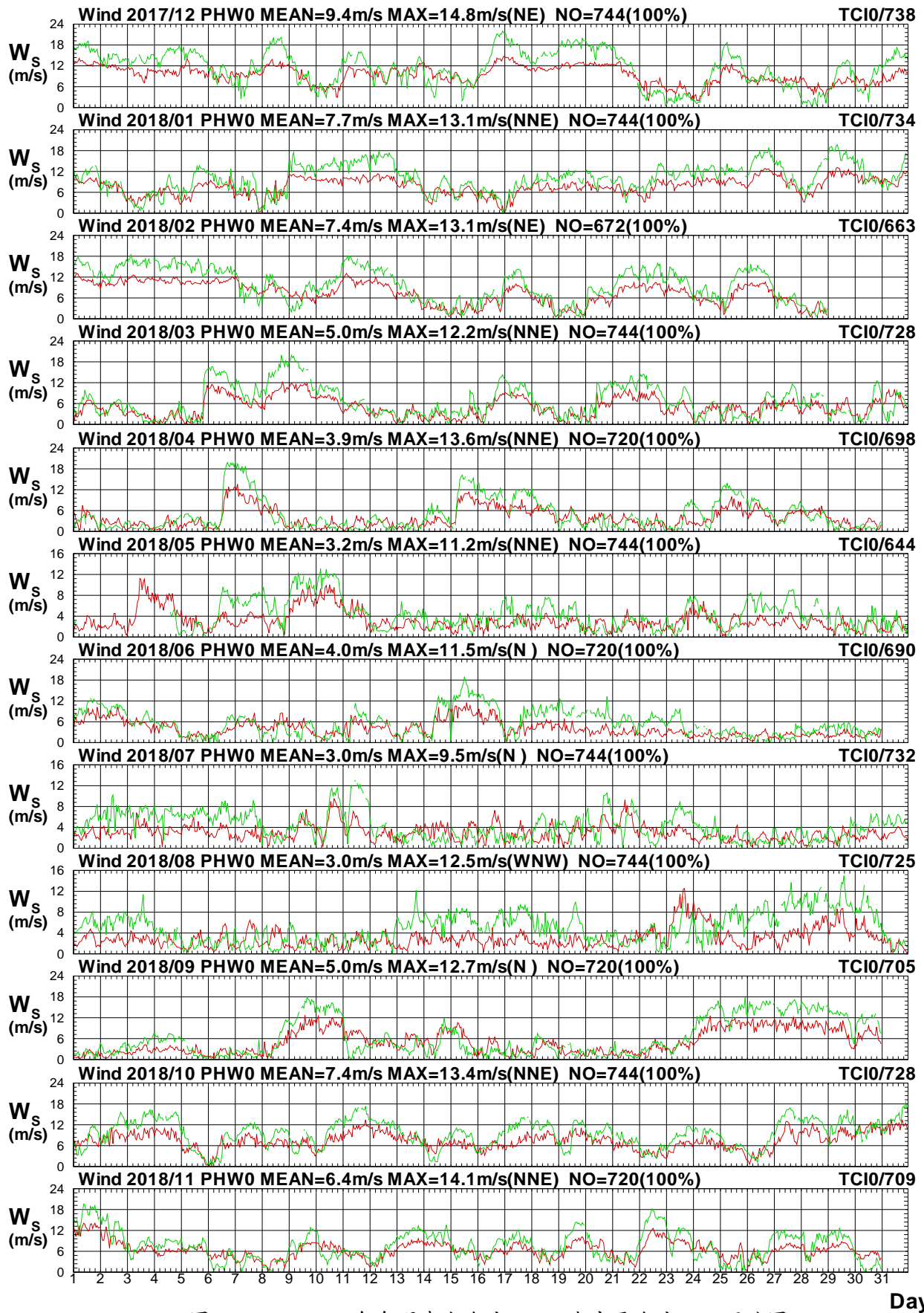


圖1.4.17a 2018年每月澎湖海域 W 站與中雲海域 I 站風速圖

W17CPHW0.1HA W17CTCI0.1H0 W181PHW0.1HA W181TCI0.1H0 W182PHW0.1HA W182TCI0.1H0
 W183PHW0.1HA W183TCI0.1H0 W184PHW0.1HA W184TCI0.1H0 W185PHW0.1HA W185TCI0.1H0

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Wind Direction in Peng-Hu Seas of PHW0 at 2018

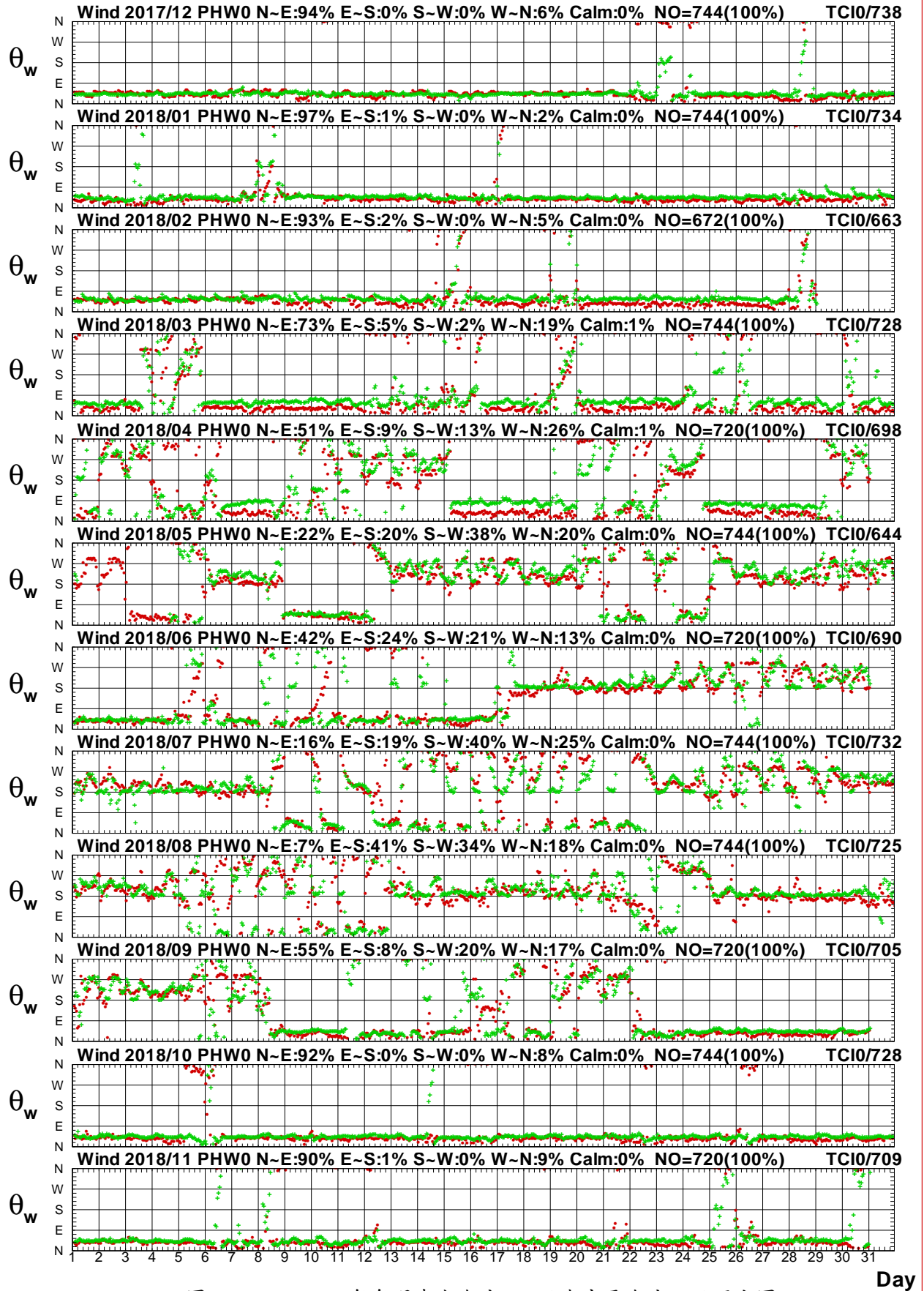


圖1.4.17b 2018年每月澎湖海域 W 站與中雲海域 I 站風向圖

W17CPHW0.1HA W17CTCI0.1H0 W181PHW0.1HA W181TCI0.1H0 W182PHW0.1HA W182TCI0.1H0
 W183PHW0.1HA W183TCI0.1H0 W184PHW0.1HA W184TCI0.1H0 W185PHW0.1HA W185TCI0.1H0

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1.5 2018 年澎湖海域風力各測站修補前 風力向量分佈圖

Distribution of Wind Vectors

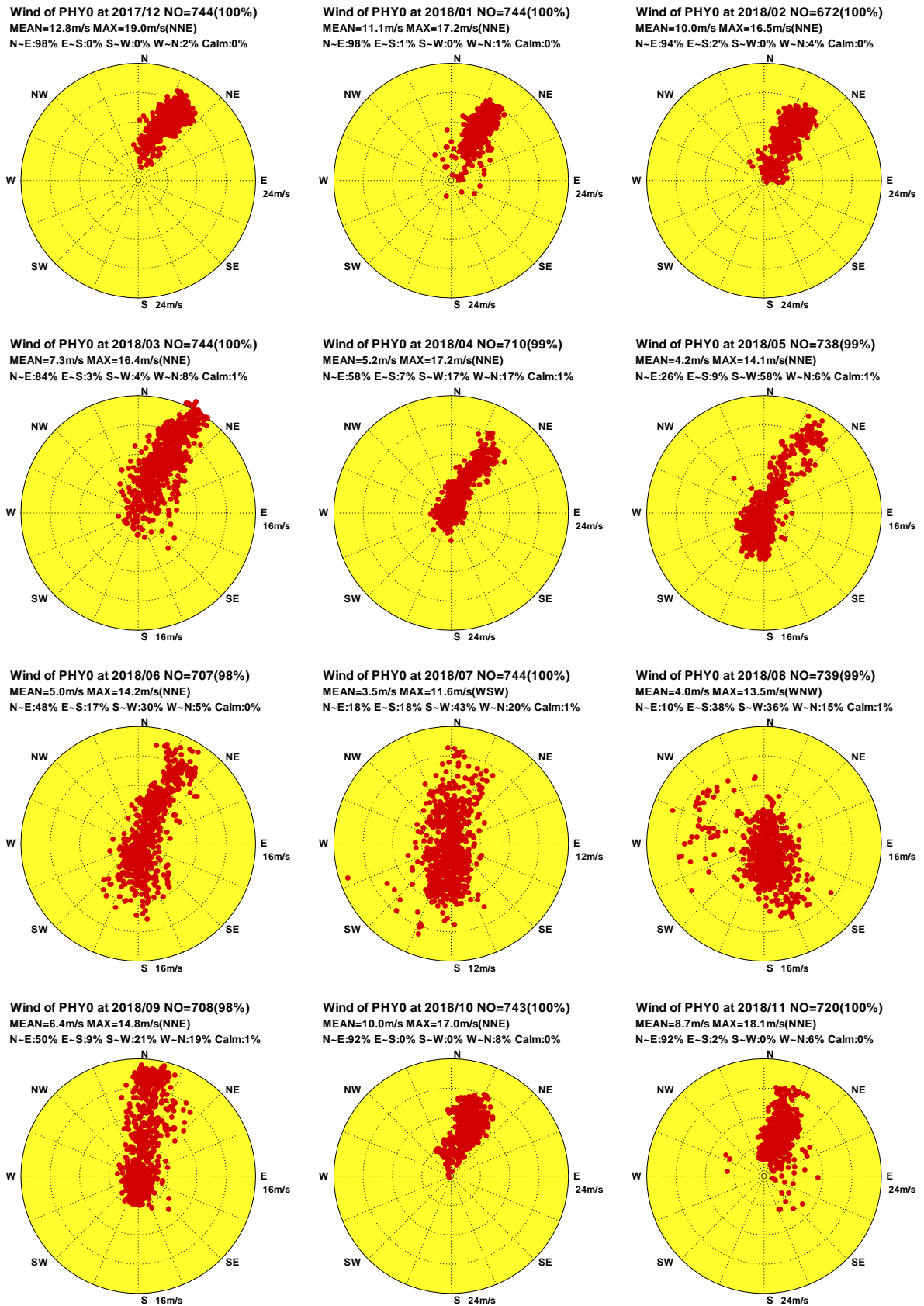


圖1.5.1 2018年澎湖海域每月 Y 站修補前觀測風力向量分佈圖

W17CPHY0.1H0 W181PHY0.1H0 W182PHY0.1H0 W183PHY0.1H0 W184PHY0.1H0 W185PHY0.1H0
W186PHY0.1H0 W187PHY0.1H0 W188PHY0.1H0 W189PHY0.1H0 W18APHY0.1H0 W18BPHY0.1H0

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Distribution of Wind Vectors

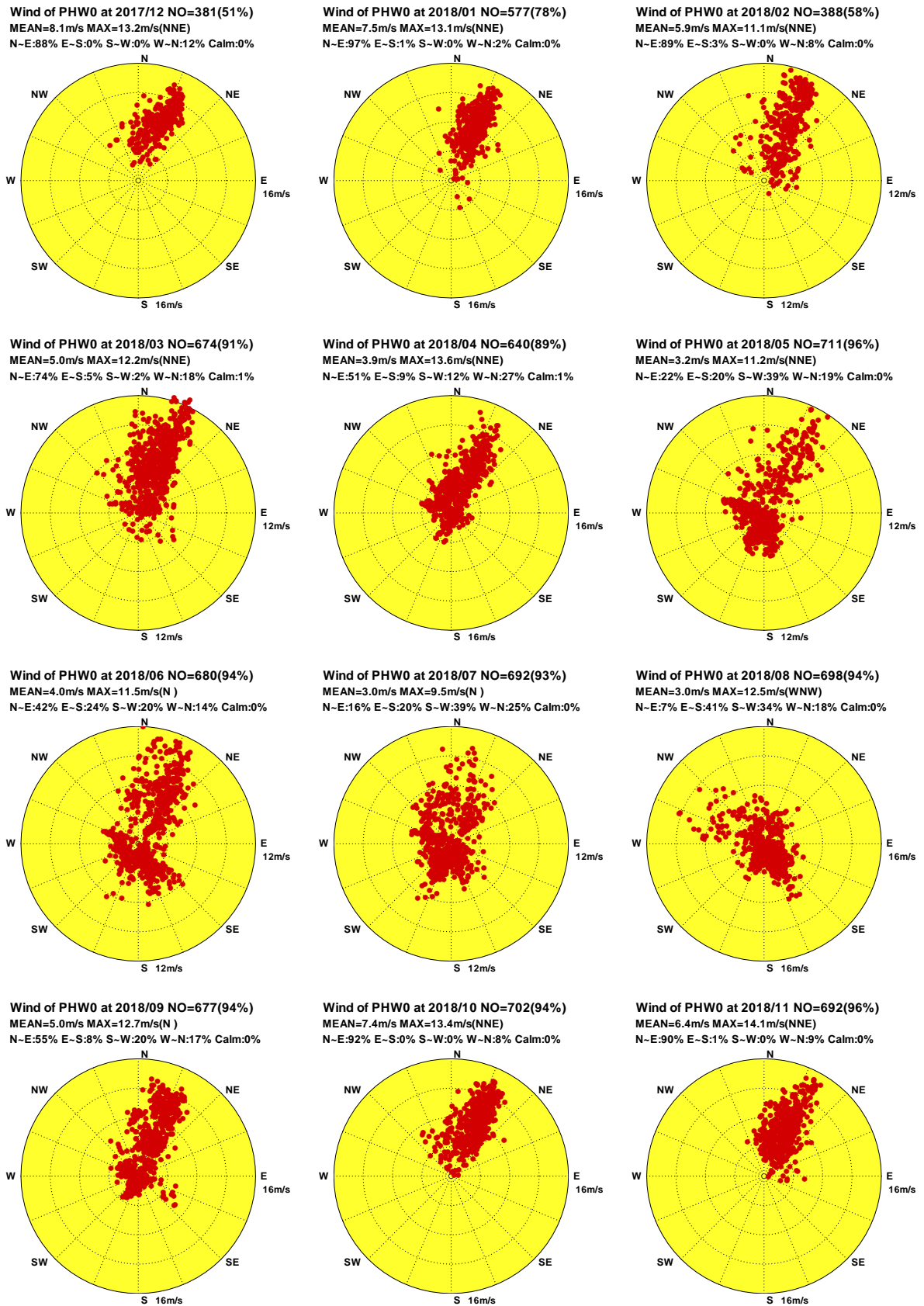


圖 1.5.2 2018 年澎湖海域每月 W 站修補前觀測風力向量分佈圖

W17CPHW0.1HO W181PHW0.1HO W182PHW0.1HO W183PHW0.1HO W184PHW0.1HO W185PHW0.1HO
W186PHW0.1HO W187PHW0.1HO W188PHW0.1HO W189PHW0.1HO W18APHW0.1HO W18BPHW0.1HO

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Distribution of Wind Vectors

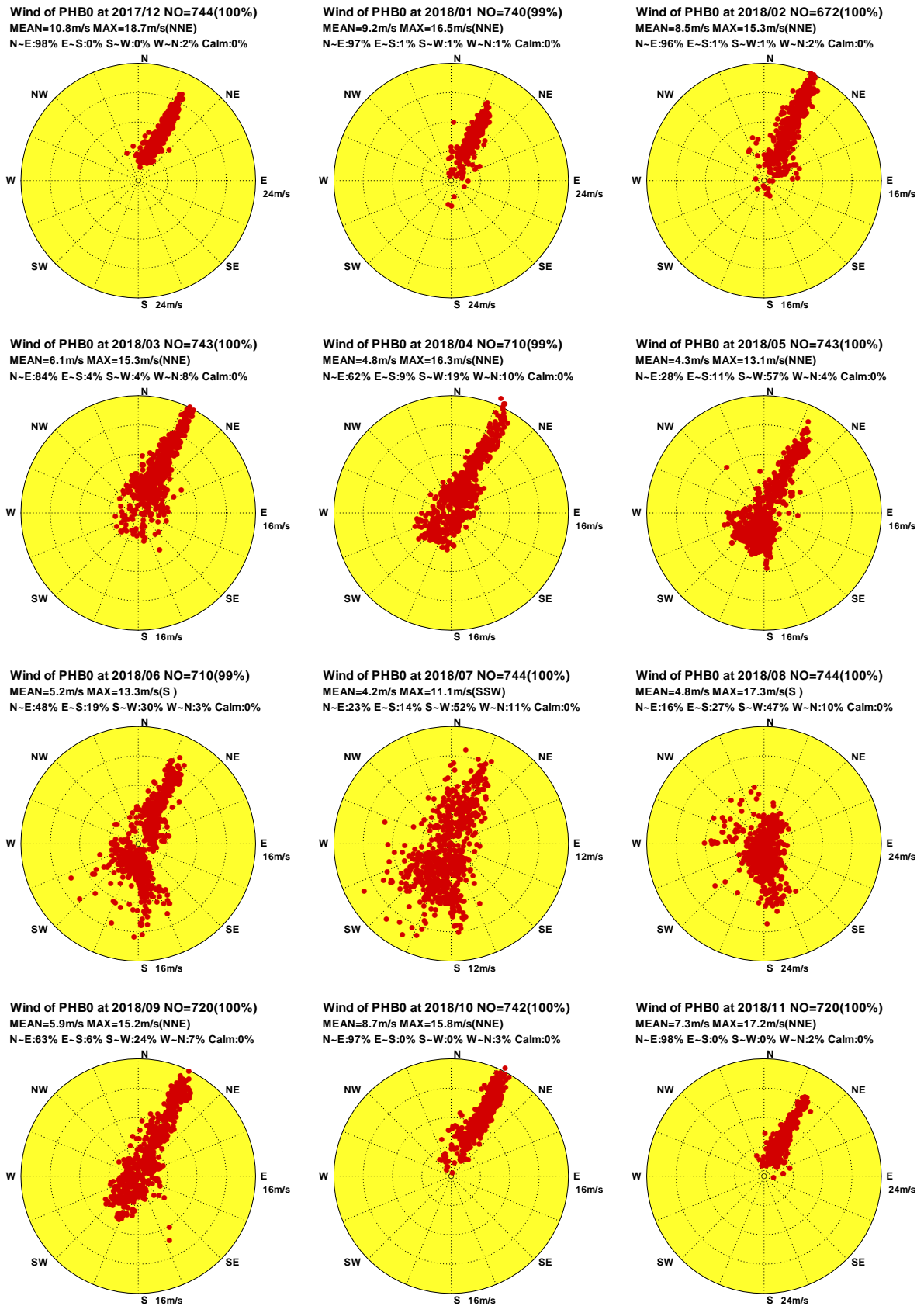


圖 1.5.3 2018 年澎湖海域每月 B 站修補前觀測風力向量分佈圖

W17CPHB0.1H0 W181PHB0.1H0 W182PHB0.1H0 W183PHB0.1H0 W184PHB0.1H0 W185PHB0.1H0
 W186PHB0.1H0 W187PHB0.1H0 W188PHB0.1H0 W189PHB0.1H0 W18APHB0.1H0 W18BPHB0.1H0

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Distribution of Wind Vectors

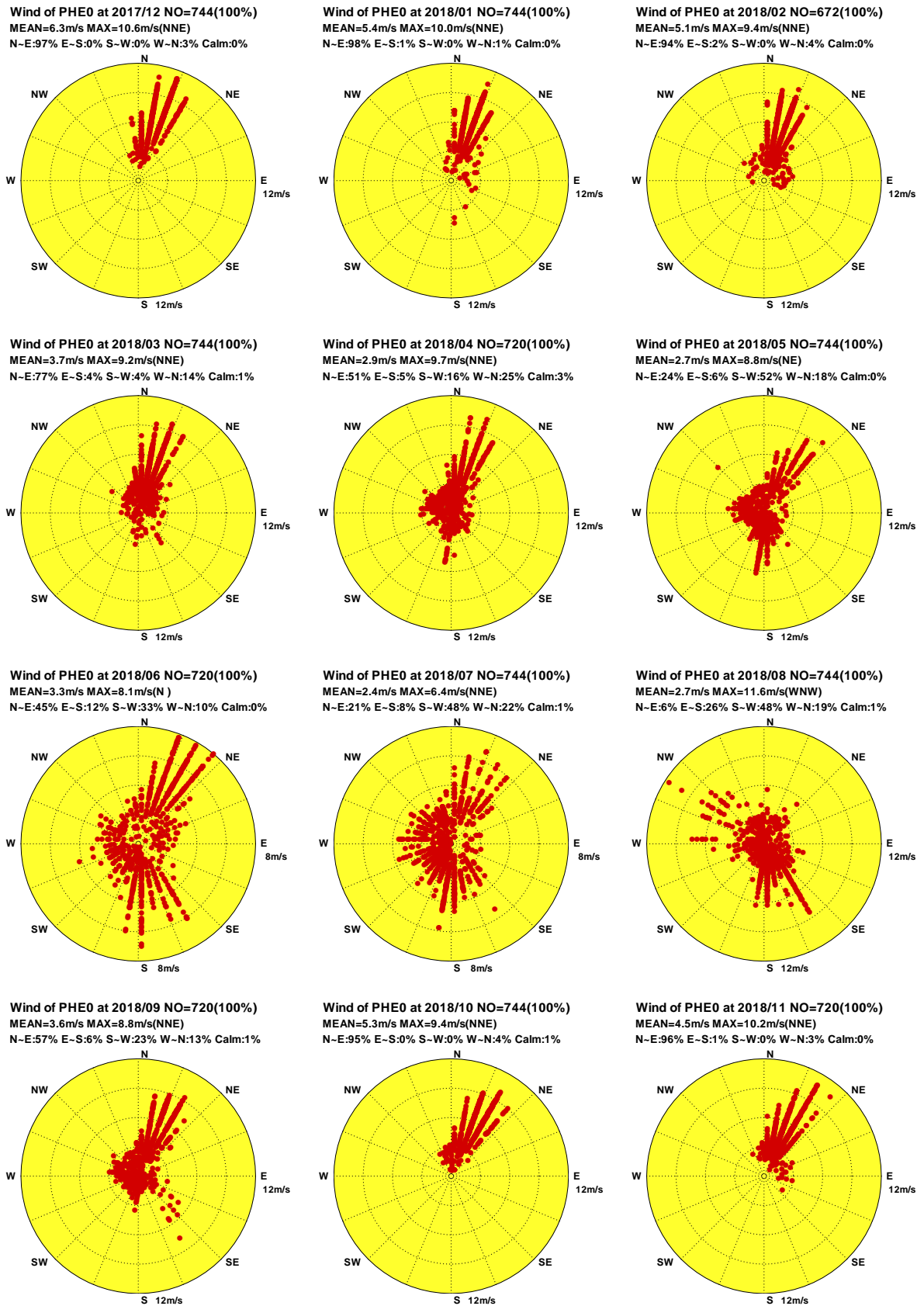


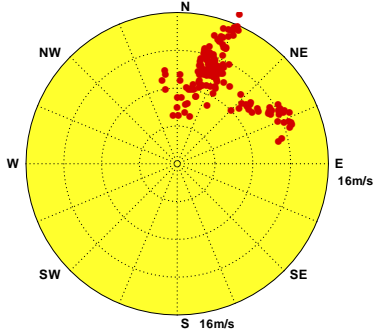
圖1.5.4 2018年澎湖海域每月 E 站修補前觀測風力向量分佈圖

W17CPHE0.1H0 W181PHE0.1H0 W182PHE0.1H0 W183PHE0.1H0 W184PHE0.1H0 W185PHE0.1H0
 W186PHE0.1H0 W187PHE0.1H0 W188PHE0.1H0 W189PHE0.1H0 W18APHE0.1H0 W18BPHE0.1H0

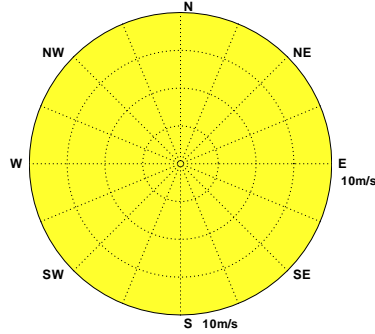
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Distribution of Wind Vectors

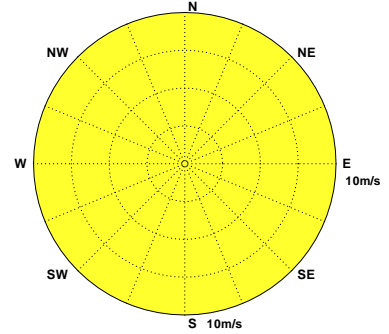
Wind of PHR0 at 2017/12 NO=151(20%)
 MEAN=10.1m/s MAX=16.4m/s(NNE)
 N-E:93% E-S:0% S-W:0% W-N:7% Calm:0%



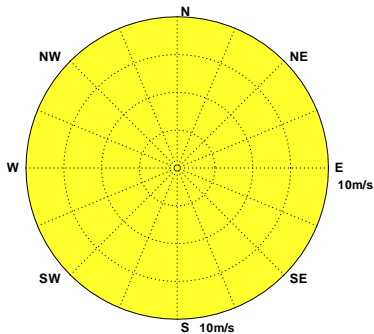
Wind of PHR0 at 2018/01



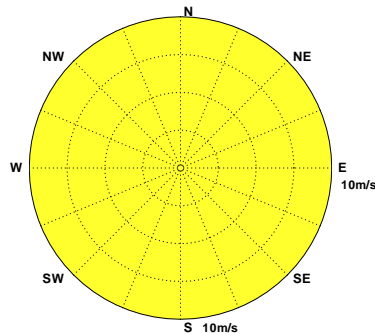
Wind of PHR0 at 2018/02



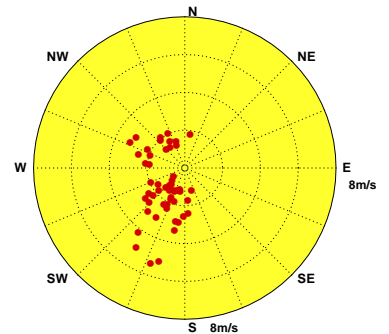
Wind of PHR0 at 2018/03



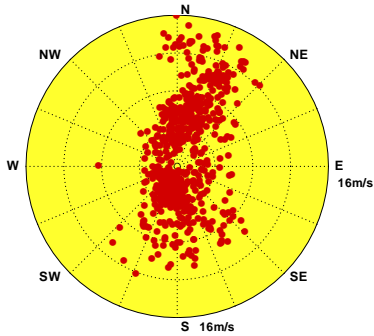
Wind of PHR0 at 2018/04



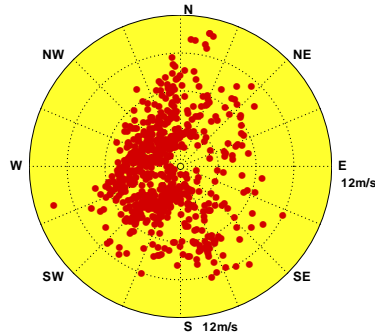
Wind of PHR0 at 2018/05 NO=53(7%)
 MEAN=2.4m/s MAX=5.7m/s(SSW)
 N-E:2% E-S:2% S-W:71% W-N:25% Calm:0%



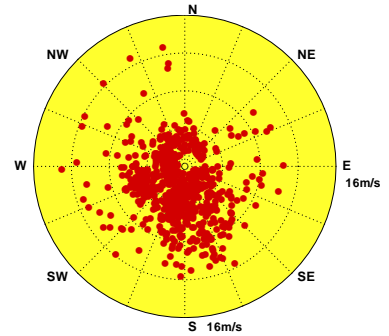
Wind of PHR0 at 2018/06 NO=657(91%)
 MEAN=5.4m/s MAX=15.4m/s(N)
 N-E:34% E-S:17% S-W:32% W-N:17% Calm:0%



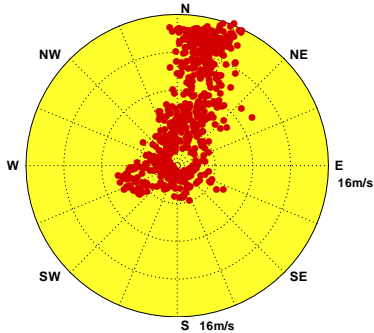
Wind of PHR0 at 2018/07 NO=676(91%)
 MEAN=4.4m/s MAX=11.0m/s(WSW)
 N-E:10% E-S:14% S-W:44% W-N:32% Calm:0%



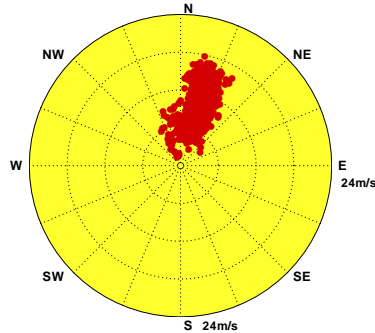
Wind of PHR0 at 2018/08 NO=685(92%)
 MEAN=4.9m/s MAX=13.5m/s(W)
 N-E:6% E-S:27% S-W:51% W-N:16% Calm:0%



Wind of PHR0 at 2018/09 NO=628(87%)
 MEAN=6.6m/s MAX=15.5m/s(NNE)
 N-E:53% E-S:7% S-W:21% W-N:19% Calm:0%



Wind of PHR0 at 2018/10 NO=732(98%)
 MEAN=9.4m/s MAX=16.7m/s(N)
 N-E:90% E-S:0% S-W:0% W-N:10% Calm:0%



Wind of PHR0 at 2018/11 NO=670(93%)
 MEAN=8.2m/s MAX=17.0m/s(NNE)
 N-E:88% E-S:0% S-W:0% W-N:12% Calm:0%

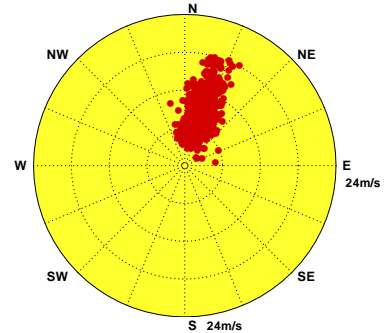


圖1.5.5 2018年澎湖海域每月R站修補前觀測風力向量分佈圖

W17CPHR0.1H0 W181PHR0.1H0 W182PHR0.1H0 W183PHR0.1H0 W184PHR0.1H0 W185PHR0.1H0
 W186PHR0.1H0 W187PHR0.1H0 W188PHR0.1H0 W189PHR0.1H0 W18APHR0.1H0 W18BPHR0.1H0

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Distribution of Wind Vectors

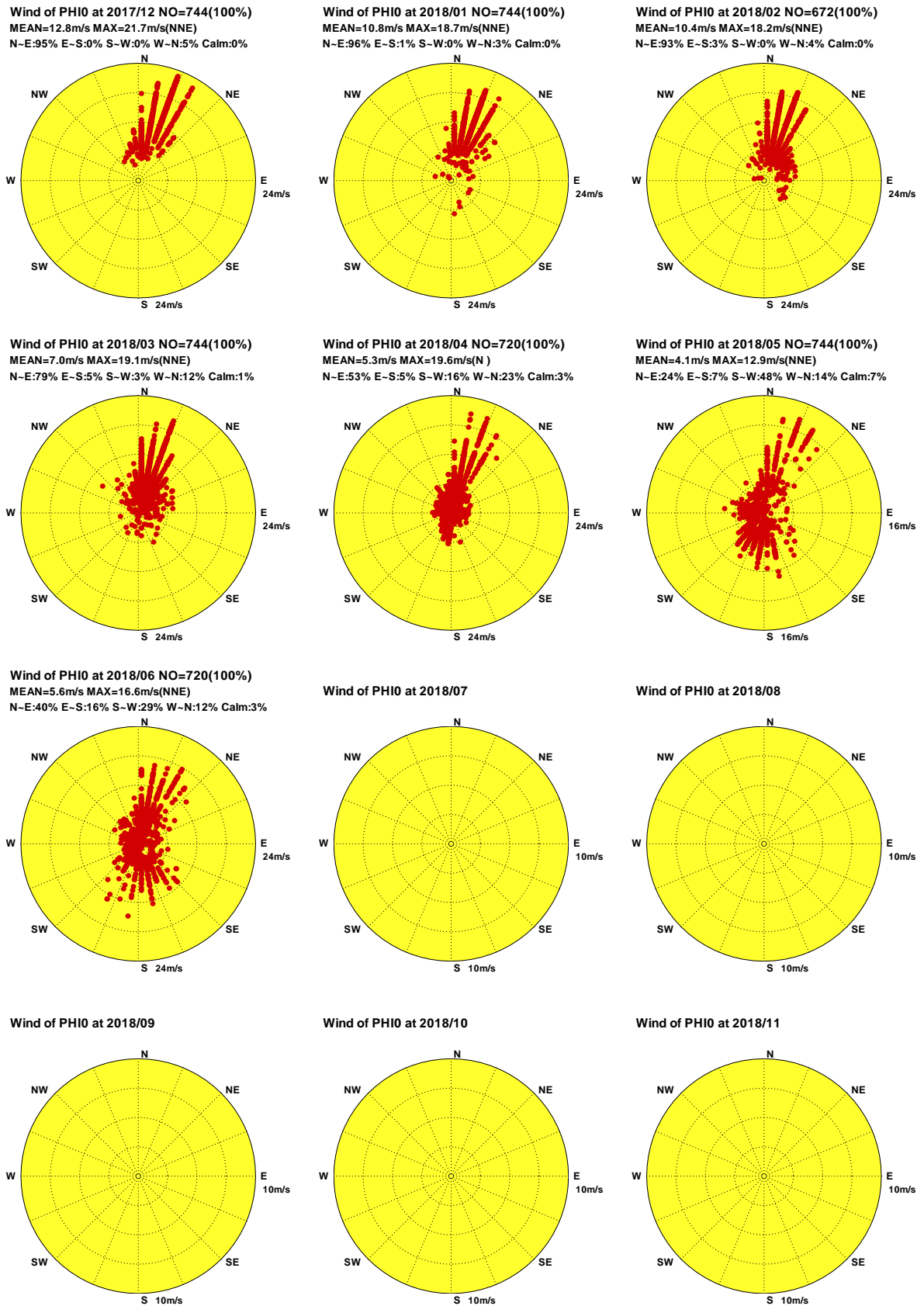


圖1.5.6 2018年澎湖海域每月 I 站修補前觀測風力向量分佈圖

W17CPHI0.1H0 W181PHI0.1H0 W182PHI0.1H0 W183PHI0.1H0 W184PHI0.1H0 W185PHI0.1H0
 W186PHI0.1H0 W187PHI0.1H0 W188PHI0.1H0 W189PHI0.1H0 W18APHI0.1H0 W18BPHI0.1H0

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1.6 2018 年澎湖海域風力各測站修補前 風力向量行進圖

Progressive Vector Diagram of Wind

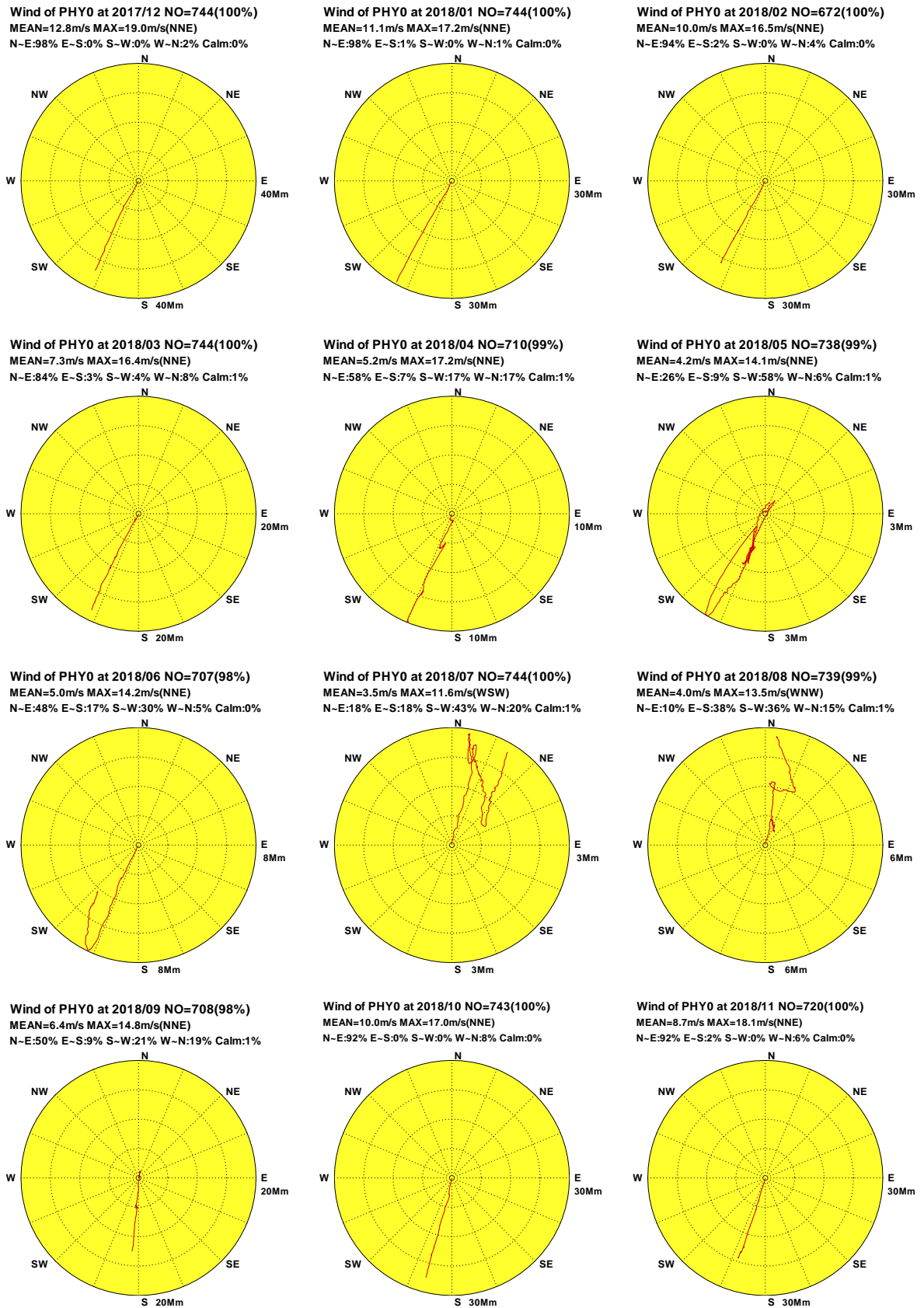


圖1.6.1 2018年澎湖海域每月 Y 站修補前觀測風力向量行進圖

W17CPHY0.1H0 W181PHY0.1H0 W182PHY0.1H0 W183PHY0.1H0 W184PHY0.1H0 W185PHY0.1H0
W186PHY0.1H0 W187PHY0.1H0 W188PHY0.1H0 W189PHY0.1H0 W18APHY0.1H0 W18BPHY0.1H0

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Progressive Vector Diagram of Wind

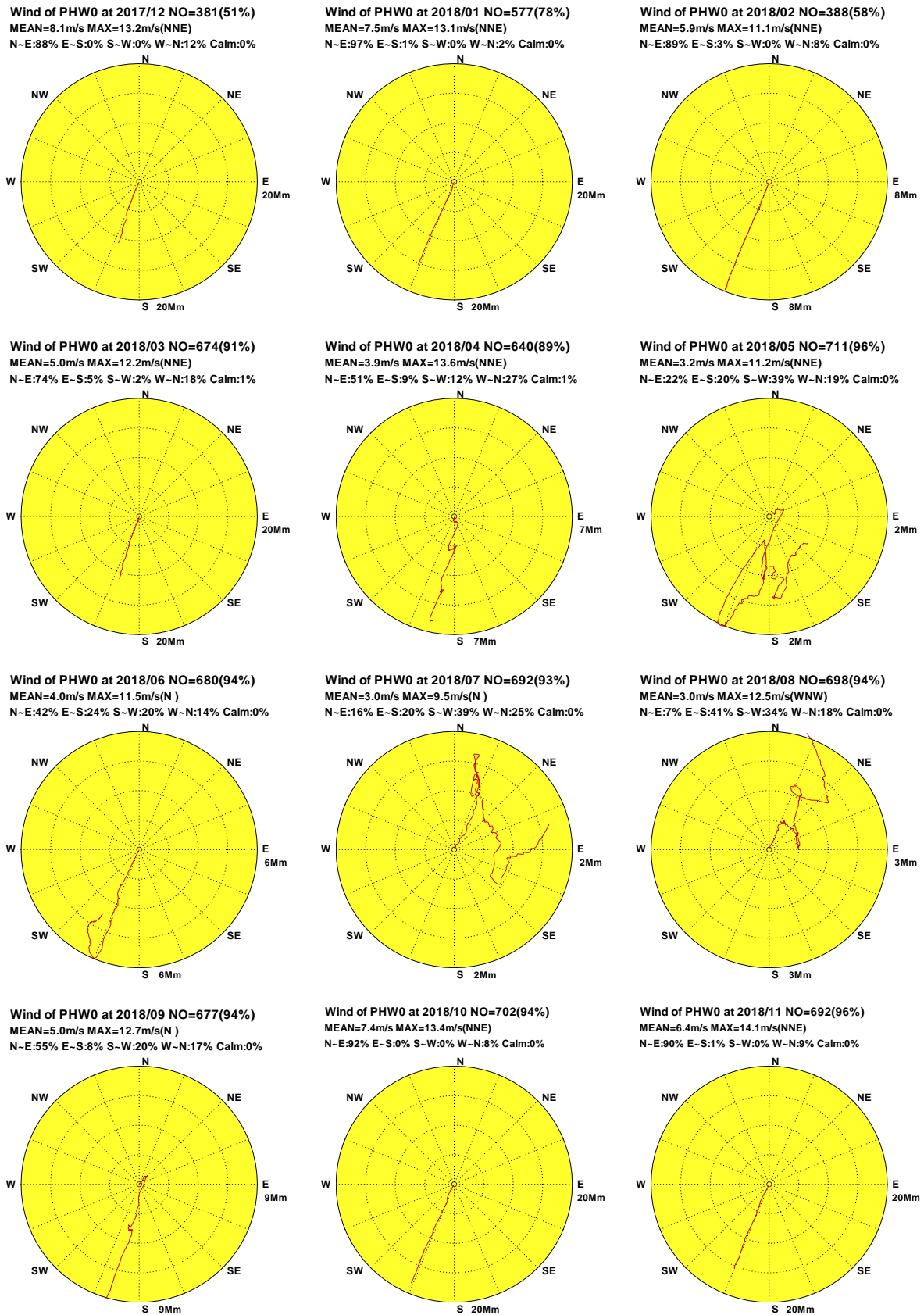


圖 1.6.2 2018 年澎湖海域每月 W 站修補前觀測風力向量行進圖

W17CPHW0.1HO W181PHW0.1HO W182PHW0.1HO W183PHW0.1HO W184PHW0.1HO W185PHW0.1HO
W186PHW0.1HO W187PHW0.1HO W188PHW0.1HO W189PHW0.1HO W18APHW0.1HO W18BPHW0.1HO

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Progressive Vector Diagram of Wind

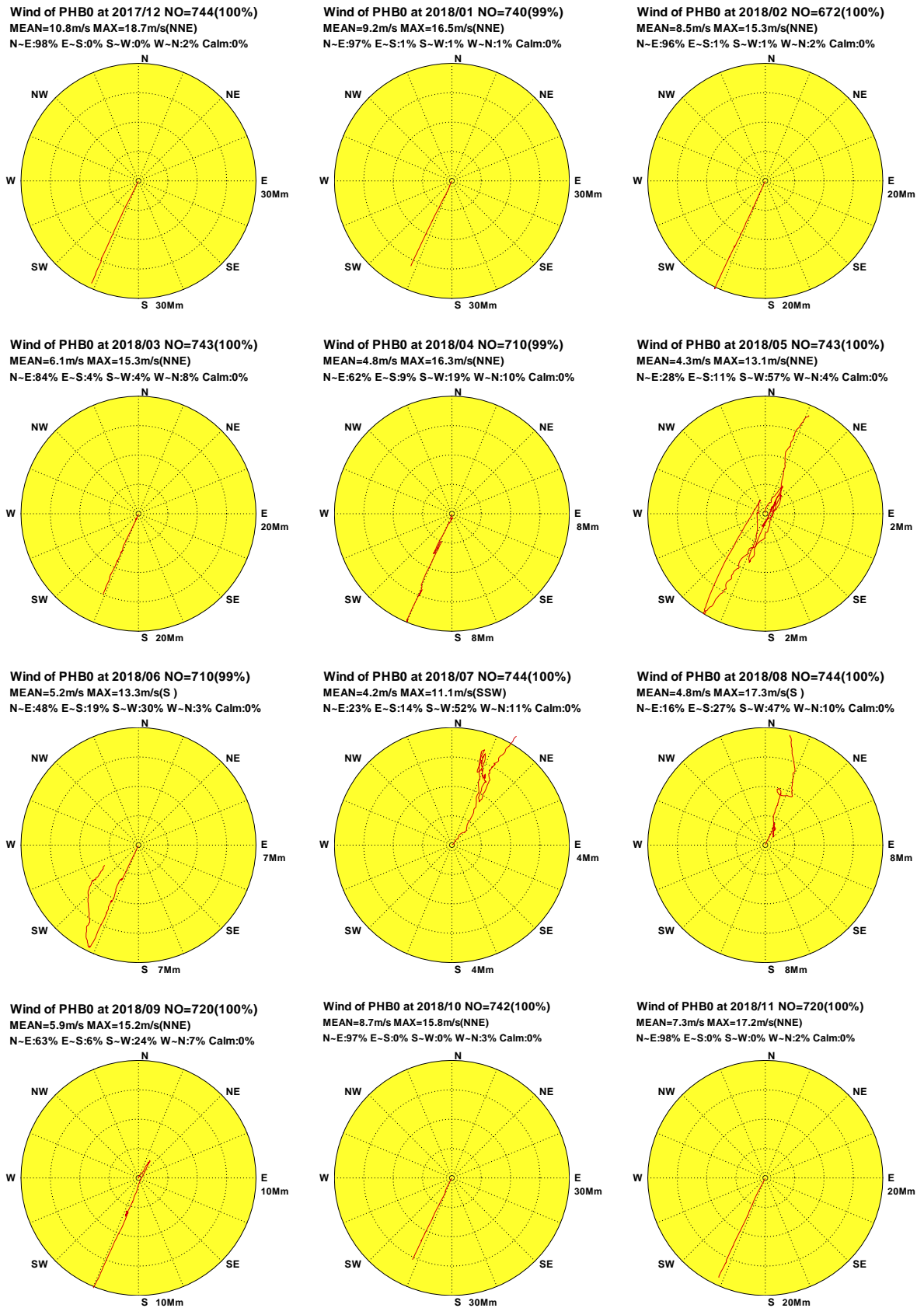


圖1.6.3 2018年澎湖海域每月B站修補前觀測風力向量行進圖

W17CPHB0.1H0 W181PHB0.1H0 W182PHB0.1H0 W183PHB0.1H0 W184PHB0.1H0 W185PHB0.1H0
W186PHB0.1H0 W187PHB0.1H0 W188PHB0.1H0 W189PHB0.1H0 W18APHB0.1H0 W18BPHB0.1H0

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Progressive Vector Diagram of Wind

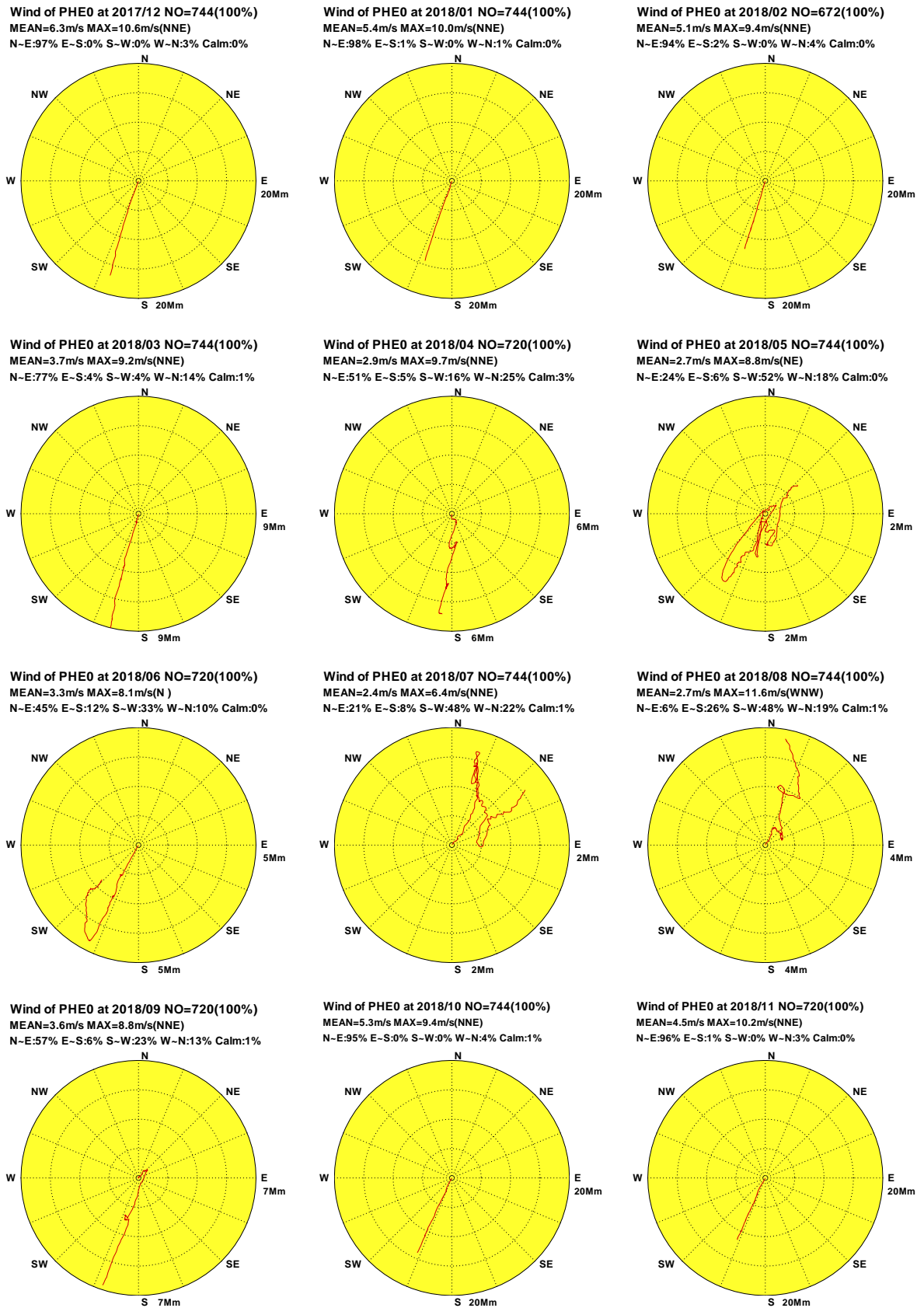


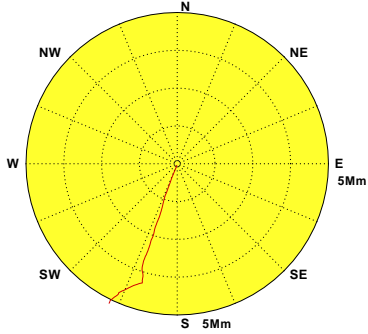
圖1.6.4 2018年澎湖海域每月 E 站修補前觀測風力向量行進圖

W17CPHE0.1H0 W181PHE0.1H0 W182PHE0.1H0 W183PHE0.1H0 W184PHE0.1H0 W185PHE0.1H0
W186PHE0.1H0 W187PHE0.1H0 W188PHE0.1H0 W189PHE0.1H0 W18APHE0.1H0 W18BPHE0.1H0

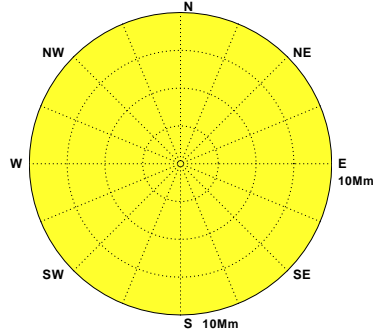
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Progressive Vector Diagram of Wind

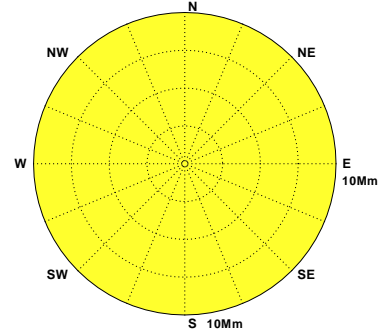
Wind of PHR0 at 2017/12 NO=151(20%)
 MEAN=10.1m/s MAX=16.4m/s(NNE)
 N-E:93% E-S:0% S-W:0% W-N:7% Calm:0%



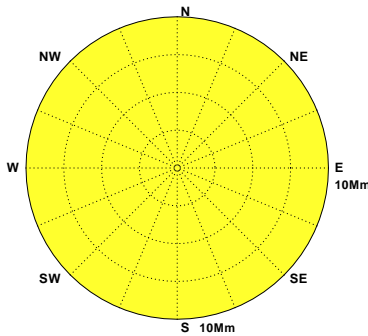
Wind of PHR0 at 2018/01



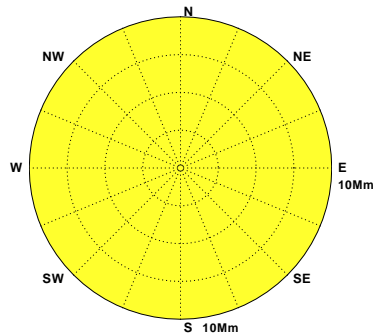
Wind of PHR0 at 2018/02



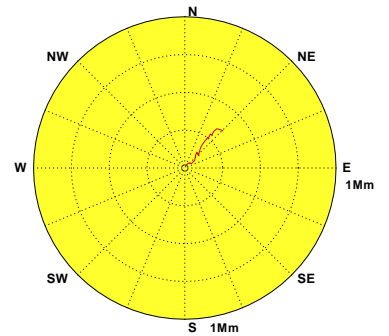
Wind of PHR0 at 2018/03



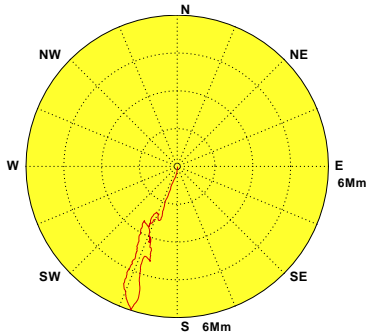
Wind of PHR0 at 2018/04



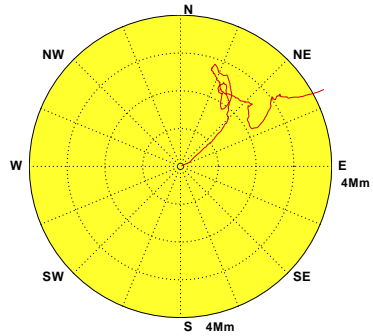
Wind of PHR0 at 2018/05 NO=53(7%)
 MEAN=2.4m/s MAX=5.7m/s(SSW)
 N-E:2% E-S:2% S-W:71% W-N:25% Calm:0%



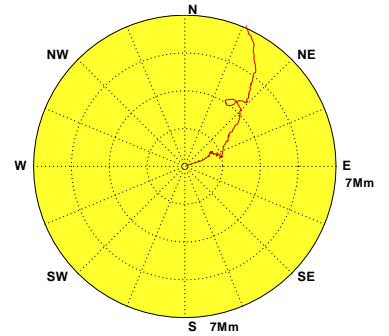
Wind of PHR0 at 2018/06 NO=657(91%)
 MEAN=5.4m/s MAX=15.4m/s(N)
 N-E:34% E-S:17% S-W:32% W-N:17% Calm:0%



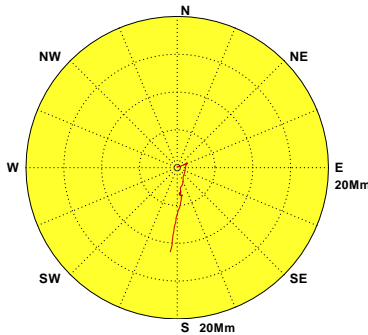
Wind of PHR0 at 2018/07 NO=676(91%)
 MEAN=4.4m/s MAX=11.0m/s(WSW)
 N-E:10% E-S:14% S-W:44% W-N:32% Calm:0%



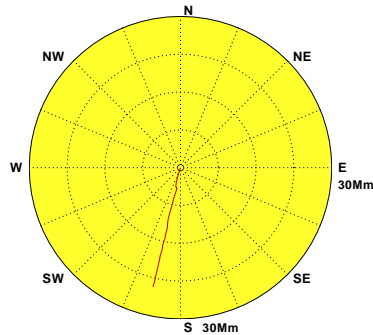
Wind of PHR0 at 2018/08 NO=685(92%)
 MEAN=4.9m/s MAX=13.5m/s(W)
 N-E:6% E-S:27% S-W:51% W-N:16% Calm:0%



Wind of PHR0 at 2018/09 NO=628(87%)
 MEAN=6.6m/s MAX=15.5m/s(NNE)
 N-E:53% E-S:7% S-W:21% W-N:19% Calm:0%



Wind of PHR0 at 2018/10 NO=732(98%)
 MEAN=9.4m/s MAX=16.7m/s(N)
 N-E:90% E-S:0% S-W:0% W-N:10% Calm:0%



Wind of PHR0 at 2018/11 NO=670(93%)
 MEAN=8.2m/s MAX=17.0m/s(NNE)
 N-E:88% E-S:0% S-W:0% W-N:12% Calm:0%

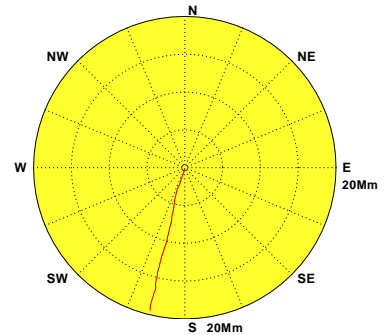


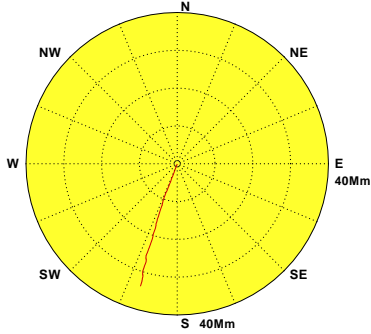
圖1.6.5 2018年澎湖海域每月R站修補前觀測風力向量行進圖

W17CPHR0.1H0 W181PHR0.1H0 W182PHR0.1H0 W183PHR0.1H0 W184PHR0.1H0 W185PHR0.1H0
 W186PHR0.1H0 W187PHR0.1H0 W188PHR0.1H0 W189PHR0.1H0 W18APHR0.1H0 W18BPHR0.1H0

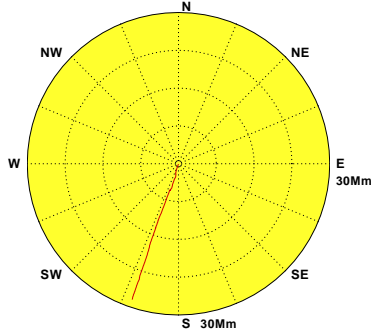
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Progressive Vector Diagram of Wind

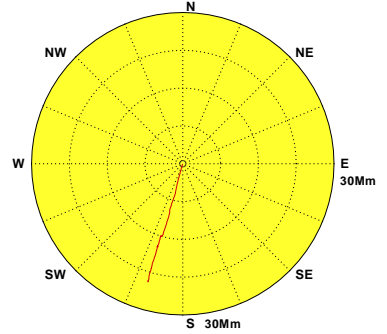
Wind of PH10 at 2017/12 NO=744(100%)
 MEAN=12.8m/s MAX=21.7m/s(NNE)
 N-E:95% E-S:0% S-W:0% W-N:5% Calm:0%



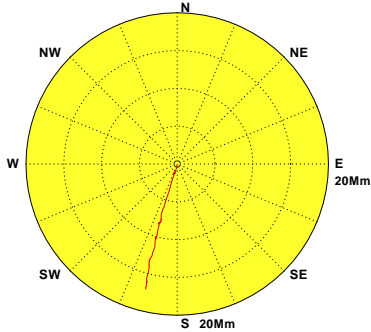
Wind of PH10 at 2018/01 NO=744(100%)
 MEAN=10.8m/s MAX=18.7m/s(NNE)
 N-E:96% E-S:1% S-W:0% W-N:3% Calm:0%



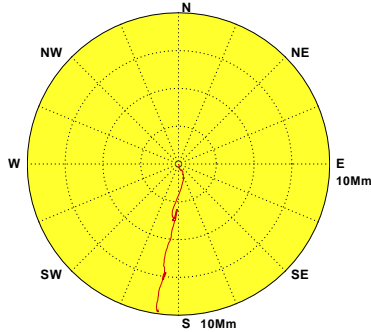
Wind of PH10 at 2018/02 NO=672(100%)
 MEAN=10.4m/s MAX=18.2m/s(NNE)
 N-E:93% E-S:3% S-W:0% W-N:4% Calm:0%



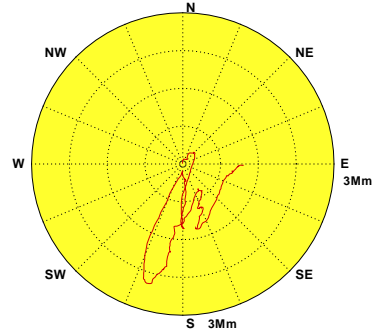
Wind of PH10 at 2018/03 NO=744(100%)
 MEAN=7.0m/s MAX=19.1m/s(NNE)
 N-E:79% E-S:5% S-W:3% W-N:12% Calm:1%



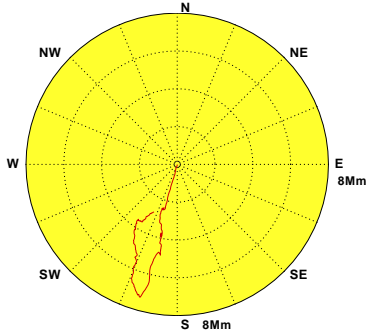
Wind of PH10 at 2018/04 NO=720(100%)
 MEAN=5.3m/s MAX=19.6m/s(N)
 N-E:53% E-S:5% S-W:16% W-N:23% Calm:3%



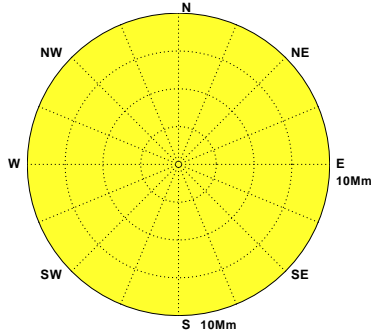
Wind of PH10 at 2018/05 NO=744(100%)
 MEAN=4.1m/s MAX=12.9m/s(NNE)
 N-E:24% E-S:7% S-W:48% W-N:14% Calm:7%



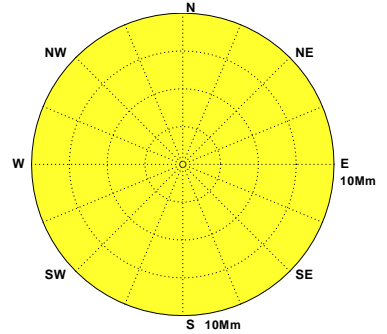
Wind of PH10 at 2018/06 NO=720(100%)
 MEAN=5.6m/s MAX=16.6m/s(NNE)
 N-E:40% E-S:16% S-W:29% W-N:12% Calm:3%



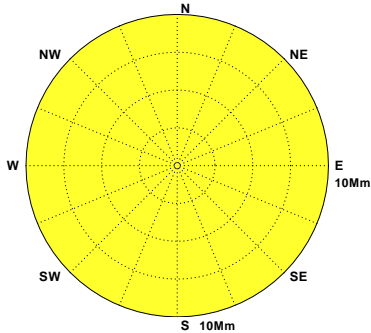
Wind of PH10 at 2018/07



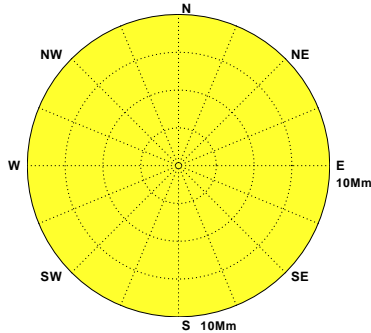
Wind of PH10 at 2018/08



Wind of PH10 at 2018/09



Wind of PH10 at 2018/10



Wind of PH10 at 2018/11

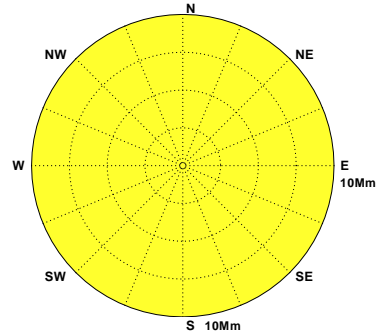


圖1.6.6 2018年澎湖海域每月I站修補前觀測風力向量行進圖

W17CPHI0.1H0 W181PHI0.1H0 W182PHI0.1H0 W183PHI0.1H0 W184PHI0.1H0 W185PHI0.1H0
 W186PHI0.1H0 W187PHI0.1H0 W188PHI0.1H0 W189PHI0.1H0 W18APHI0.1H0 W18BPHI0.1H0

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第二章 2018 年澎湖海域觀測波浪資料年報

澎湖海域波浪觀測包括測站 X、測站 Y、測站 R 及測站 A 等 4 個測站(測站位置如第 0 章圖 VN1)。本年報取經檢核及補遺之 Y 站資料作為主要測站 1，X 站資料作為主要測站 2。

2.1 2018 年澎湖海域觀測風力資料年報圖表

本章第 1 節波浪年報資料處理之圖表包括：

1. 表 2.1.1a 2018 年各觀測站每月觀測波浪資料修補前記錄表。
2. 表 2.1.1b 2018 年主要測站每月觀測波浪資料修補後記錄表。
3. 表 2.1.2 2018 年主要測站 1 修補後每月(季)及整年示性波高、示性週期及波向重要統計量統計表。
4. 表 2.1.3 2018 年主要測站 2 修補後每月(季)及整年示性波高、示性週期及波向重要統計量統計表。
5. 圖 2.1.1a 2018 年主要測站 1 修補前後每月示性波高歷線比較圖。
6. 圖 2.1.1b 2018 年主要測站 1 修補前後每月示性週期歷線比較圖。
7. 圖 2.1.1c 2018 年主要測站 1 修補前後每月波向歷線比較圖。
8. 圖 2.1.2a 2018 年主要測站 2 修補前後每月示性波高歷線比較圖。
9. 圖 2.1.2b 2018 年主要測站 2 修補前後每月示性週期歷線比較圖。
10. 圖 2.1.2c 2018 年主要測站 2 修補前後每月波向歷線比較圖。
11. 圖 2.1.3 2018 年主要測站 1 修補後每月波高向量分佈圖。

12. 圖 2.1.4 2018 年**主要測站 2 修補後**每月波高向量分佈圖。

第 2 節波浪年報資料處理之統計表包括: 2018 年澎湖海域**各測站修補前**每月(季)及整年示性波高、示性週期及波向重要統計量統計表。

第 3 節波浪年報資料處理之統計圖包括: 2018 年澎湖海域**主要測站 1 修補後**與**其他測站(修補前)**每月示性波高、示性週期及波向歷線比較圖。

第 4 節波浪年報資料處理之統計圖包括: 2018 年澎湖海域**主要測站 2 修補後**與**其他測站(修補前)**每月示性波高、示性週期及波向歷線比較圖。

第 5 節波浪年報資料處理之統計圖包括: 2018 年澎湖海域**各測站修補前**每月波高向量分佈圖。

表 2.1.1a 2018 年每月澎湖海域修補前各測站觀測波浪資料紀錄表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	Y	X	A	R	Z							
2017/12 月	693(93.1%)	744(100%)	715(96.1%)	150(20.2%)	*	*	*	*	*	*	*	*
2018/ 1 月	694(93.3%)	744(100%)	689(92.6%)	*	*	*	*	*	*	*	*	*
2018/ 2 月	638(94.9%)	672(100%)	460(68.5%)	*	*	*	*	*	*	*	*	*
2018/ 3 月	688(92.5%)	744(100%)	729(98.0%)	*	*	*	*	*	*	*	*	*
2018/ 4 月	645(89.6%)	720(100%)	714(99.2%)	*	*	*	*	*	*	*	*	*
2018/ 5 月	676(90.9%)	687(92.3%)	721(96.9%)	62(8.3%)	*	*	*	*	*	*	*	*
2018/ 6 月	684(95.0%)	697(96.8%)	716(99.4%)	712(98.9%)	*	*	*	*	*	*	*	*
2018/ 7 月	744(100%)	699(94.0%)	497(66.8%)	739(99.3%)	*	*	*	*	*	*	*	*
2018/ 8 月	742(99.7%)	14(1.9%)	587(78.9%)	739(99.3%)	*	*	*	*	*	*	*	*
2018/ 9 月	715(99.3%)	720(100%)	715(99.3%)	718(99.7%)	*	*	*	*	*	*	*	*
2018/10 月	741(99.6%)	648(87.1%)	720(96.8%)	734(98.7%)	*	*	*	*	*	*	*	*
2018/11 月	643(89.3%)	491(68.2%)	506(70.3%)	717(99.6%)	*	*	*	*	*	*	*	*
2018/冬季	2025(93.8%)	2160(100%)	1864(86.3%)	150(6.9%)	*	*	*	*	*	*	*	*
2018/春季	2009(91.0%)	2151(97.4%)	2164(98.0%)	62(2.8%)	*	*	*	*	*	*	*	*
2018/夏季	2170(98.3%)	1410(63.9%)	1800(81.5%)	2190(99.2%)	*	*	*	*	*	*	*	*
2018/秋季	2099(96.1%)	1859(85.1%)	1941(88.9%)	2169(99.3%)	*	*	*	*	*	*	*	*
2018/整年	8303(94.8%)	7580(86.5%)	7769(88.7%)	4571(52.2%)	*	*	*	*	*	*	*	*
起始年月	2017/12	2017/12	2017/12	2017/12	*	*	*	*	*	*	*	*
結束年月	2018/11	2018/11	2018/11	2018/11	*	*	*	*	*	*	*	*

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表2.1.1b 2018年每月澎湖海域修補後各測站波浪資料紀錄表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	Y	X										
2017/12月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 1月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 2月	672(100%)	672(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 3月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 4月	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 5月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 6月	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 7月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 8月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/ 9月	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*	*
2018/10月	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*	*
2018/11月	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*	*
2018/冬季	2160(100%)	2160(100%)	*	*	*	*	*	*	*	*	*	*
2018/春季	2208(100%)	2208(100%)	*	*	*	*	*	*	*	*	*	*
2018/夏季	2208(100%)	2208(100%)	*	*	*	*	*	*	*	*	*	*
2018/秋季	2184(100%)	2184(100%)	*	*	*	*	*	*	*	*	*	*
2018/整年	8760(100%)	8760(100%)	*	*	*	*	*	*	*	*	*	*
起始年月	2017/12	2017/12	*	*	*	*	*	*	*	*	*	*
結束年月	2018/11	2018/11	*	*	*	*	*	*	*	*	*	*

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表2.1.2 2018年澎湖海域主要測站1修補後示性波高週期及波向重要統計量統計表

觀測 日期 年、月	波高 H_s		H_s 最大		T_p	T_p	小波	小浪	中浪	大浪	T_p	T_p	T_p	T_p	波向	波向	波向	波向	波向	主波向
	蒐集 率	平均 (m)	(波高/週期/波向) (m/s/來向)		平均 (s)	最大 (s)	<0.5m (%)	~1.5m (%)	~3m (%)	>3m (%)	<6s (%)	6~8s (%)	8~10s (%)	>10s (%)	蒐集 率	N~E (%)	E~S (%)	S~W (%)	W~N (%)	(百分比) 來向/%
2017/12	100%	2.06	4.1/ 6.8/NNW		5.3	7.0	1.3	19.0	70.6	9.1	87.4	12.6	.0	.0	100%	77.6	.0	.1	22.3	N /65%
2018/01	100%	1.66	3.8/ 7.1/NNW		5.0	7.1	4.2	35.6	56.0	4.2	93.4	6.6	.0	.0	100%	78.4	.0	.0	21.6	N /63%
2018/02	100%	1.51	3.3/ 5.7/ENE		5.0	6.9	13.5	32.7	52.8	.9	99.0	1.0	.0	.0	100%	74.6	.4	1.9	23.1	N /61%
2018/03	100%	.99	3.1/ 6.5/N		4.7	6.5	24.5	54.8	20.6	.1	99.6	.4	.0	.0	100%	68.3	.1	6.2	25.4	N /57%
2018/04	100%	.70	4.5/ 6.5/NE		4.5	7.0	53.6	35.6	10.0	.8	98.8	1.3	.0	.0	100%	49.4	4.3	19.9	26.4	N /35%
2018/05	100%	.47	2.5/ 5.6/N		4.3	6.8	78.1	14.8	7.1	.0	98.4	1.6	.0	.0	100%	30.2	6.7	24.1	39.0	W /21%
2018/06	100%	.73	2.8/ 5.9/N		4.7	6.1	35.6	57.4	7.1	.0	99.7	.3	.0	.0	100%	36.9	.0	41.7	21.4	WSW/31%
2018/07	100%	.60	1.8/ 5.5/WSW		4.8	6.5	36.2	63.3	.5	.0	97.4	2.6	.0	.0	100%	12.5	.0	61.6	25.9	WSW/38%
2018/08	100%	.65	2.0/ 4.9/NNW		5.2	17.4	31.9	64.7	3.4	.0	80.2	19.6	.0	.1	100%	4.7	.0	81.6	13.7	WSW/49%
2018/09	100%	1.02	2.7/ 5.9/NNW		4.9	6.7	32.9	37.9	29.2	.0	95.7	4.3	.0	.0	100%	17.2	.0	33.6	49.2	NNW/34%
2018/10	100%	1.39	3.8/ 6.4/NE		4.9	7.3	4.4	55.5	39.7	.4	96.6	3.4	.0	.0	100%	54.3	.0	.0	45.7	N /46%
2018/11	100%	1.25	3.9/ 7.1/NNW		4.8	7.1	8.6	65.6	24.0	1.8	96.7	3.3	.0	.0	100%	64.7	.0	.4	34.9	N /45%
2018/冬	100%	1.75	4.1/ 6.8/NNW		5.1	7.1	6.1	29.0	60.0	4.9	93.1	6.9	.0	.0	100%	76.9	.1	.6	22.3	N /63%
2018/春	100%	.72	4.5/ 6.5/NE		4.5	7.0	52.0	35.1	12.6	.3	98.9	1.1	.0	.0	100%	49.3	3.7	16.7	30.3	N /37%
2018/夏	100%	.66	2.8/ 5.9/N		4.9	17.4	34.5	61.8	3.6	.0	92.4	7.6	.0	.0	100%	17.8	.0	61.8	20.3	WSW/40%
2018/秋	100%	1.22	3.9/ 7.1/NNW		4.9	7.3	15.2	53.0	31.0	.7	96.3	3.7	.0	.0	100%	45.5	.0	11.2	43.3	NNW/36%
2018/年	100%	1.08	4.5/ 6.5/NE		4.8	17.4	27.1	44.8	26.6	1.5	95.2	4.8	.0	.0	100%	47.2	1.0	22.7	29.1	N /37%

表2.1.3 2018年澎湖海域主要測站2修補後示性波高週期及波向重要統計量統計表

觀測 日期 年、月	波高 蒐集 率	H_s 平均 (m)	H_s 最大 (波高/週期/波向) (m/s/來向)	T_p 平均 (s)	T_p 最大 (s)	小波 <0.5m (%)	小浪 ~1.5m (%)	中浪 ~3m (%)	大浪 >3m (%)	T_p <6s (%)	T_p 6~8s (%)	T_p 8~10s (%)	T_p >10s (%)	波向 蒐集 率	波向 N~E (%)	波向 E~S (%)	波向 S~W (%)	波向 W~N (%)	主波向 (百分比) 來向/%
2017/12	100%	.82	1.9/ 9.2/ESE	8.6	11.3	8.5	87.0	4.6	.0	2.7	21.8	64.2	11.3	100%	.0	99.6	.4	.0	SE /49%
2018/01	100%	.69	1.8/ 9.9/SE	8.2	10.8	18.8	80.4	.8	.0	4.2	32.8	58.1	5.0	100%	.1	98.7	1.2	.0	SE /46%
2018/02	100%	.70	1.8/ 9.7/ESE	8.1	11.1	20.7	78.4	.9	.0	5.2	32.9	60.6	1.3	100%	.0	92.4	7.6	.0	SE /39%
2018/03	100%	.59	1.8/ 9.4/SE	7.2	11.2	37.8	61.7	.5	.0	21.6	48.0	29.3	1.1	100%	.0	83.5	16.5	.0	s /31%
2018/04	100%	.45	1.7/ 9.5/ESE	6.2	11.4	73.9	25.3	.8	.0	55.1	27.6	15.3	1.9	100%	.1	67.6	32.2	.0	s /33%
2018/05	100%	.39	1.4/ 8.7/SE	5.9	35.5	70.3	29.7	.0	.0	67.5	16.1	15.1	1.3	100%	2.2	72.3	25.3	.3	s /28%
2018/06	100%	.87	3.3/ 8.4/s	7.2	37.3	21.7	68.6	9.2	.6	21.5	45.1	32.6	.7	100%	.0	85.4	14.3	.3	s /48%
2018/07	100%	.73	1.9/ 4.8/s	7.8	39.2	17.3	82.3	.4	.0	21.9	36.7	34.5	6.9	100%	2.7	73.3	22.0	2.0	s /59%
2018/08	100%	.97	2.8/ 8.1/s	8.1	34.0	17.3	67.6	15.1	.0	5.6	35.9	54.4	4.0	100%	.4	58.7	40.6	.3	s /61%
2018/09	100%	.76	7.2/11.3/SSE	7.7	16.6	43.9	47.6	6.7	1.8	19.9	39.7	30.6	9.9	100%	.0	68.2	31.7	.1	s /38%
2018/10	100%	.65	1.8/ 4.8/ESE	7.5	12.7	31.0	67.6	1.3	.0	17.1	44.6	31.6	6.7	100%	.1	90.1	1.3	8.5	SE /43%
2018/11	100%	.63	1.9/ 9.6/ESE	6.7	11.4	36.0	62.8	1.3	.0	33.6	52.5	12.8	1.1	100%	.0	73.6	5.7	20.7	ESE/27%
2018/冬	100%	.74	1.9/ 9.2/ESE	8.3	11.3	15.8	82.0	2.1	.0	4.0	29.0	61.0	6.0	100%	.0	97.0	2.9	.0	SE /45%
2018/春	100%	.48	1.8/ 9.4/SE	6.4	35.5	60.5	39.0	.5	.0	48.0	30.6	19.9	1.4	100%	.8	74.5	24.6	.1	s /31%
2018/夏	100%	.85	3.3/ 8.4/s	7.7	39.2	18.8	72.9	8.2	.2	16.3	39.2	40.6	3.9	100%	1.0	72.3	25.8	.9	s /56%
2018/秋	100%	.68	7.2/11.3/SSE	7.3	16.6	36.9	59.4	3.1	.6	23.4	45.6	25.0	5.9	100%	.0	77.4	12.8	9.8	SE /31%
2018/年	100%	.69	7.2/11.3/SSE	7.4	39.2	33.1	63.3	3.5	.2	23.0	36.1	36.5	4.3	100%	.5	80.3	16.6	2.7	s /28%

Wave H_s in Peng-Hu Seas of PHY0 at 2018

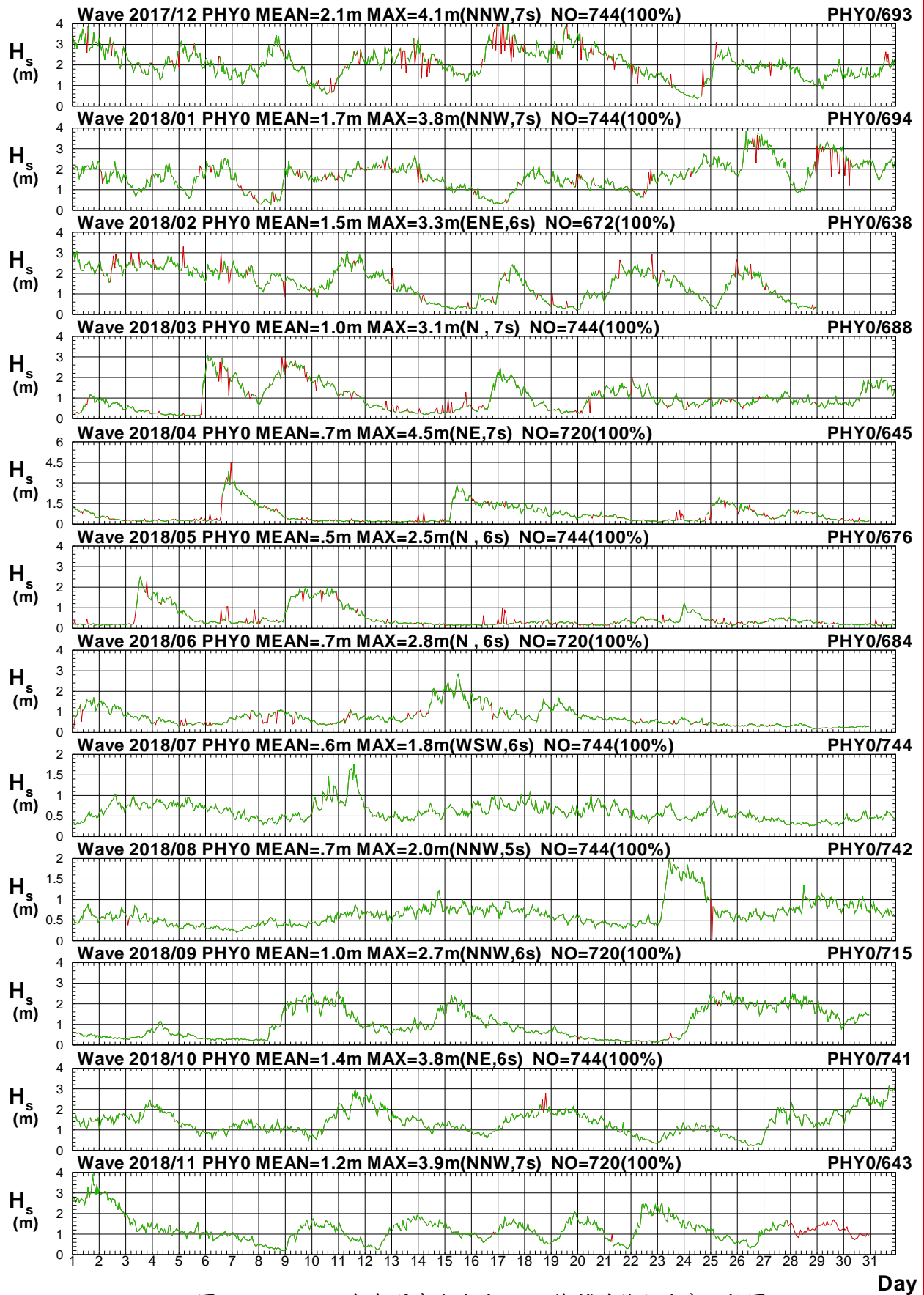


圖2.1.1a 2018年每月澎湖海域 Y 站修補前後之波高比較圖

V17CPHY0.1HA V17CPHY0.1H0 V181PHY0.1HA V181PHY0.1H0 V182PHY0.1HA V182PHY0.1H0
 V183PHY0.1HA V183PHY0.1H0 V184PHY0.1HA V184PHY0.1H0 V185PHY0.1HA V185PHY0.1H0

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Wave T_p in Peng-Hu Seas of PHY0 at 2018

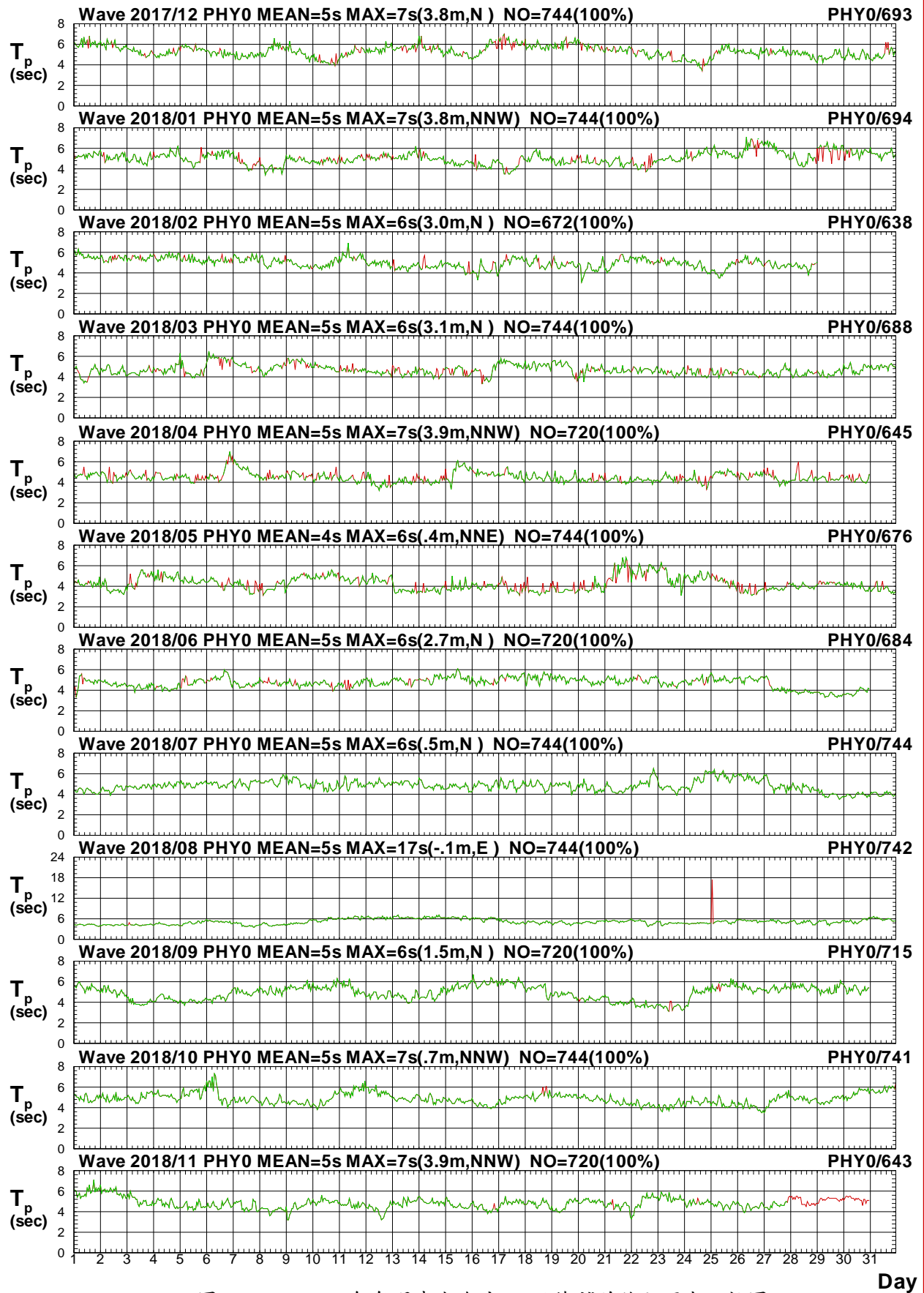


圖2.1.1b 2018年每月澎湖海域 Y 站修補前後之週期比較圖

V17CPHY0.1HA V17CPHY0.1HO V181PHY0.1HA V181PHY0.1HO V182PHY0.1HA V182PHY0.1HO
 V183PHY0.1HA V183PHY0.1HO V184PHY0.1HA V184PHY0.1HO V185PHY0.1HA V185PHY0.1HO

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Wave Direction in Peng-Hu Seas of PHY0 at 2018

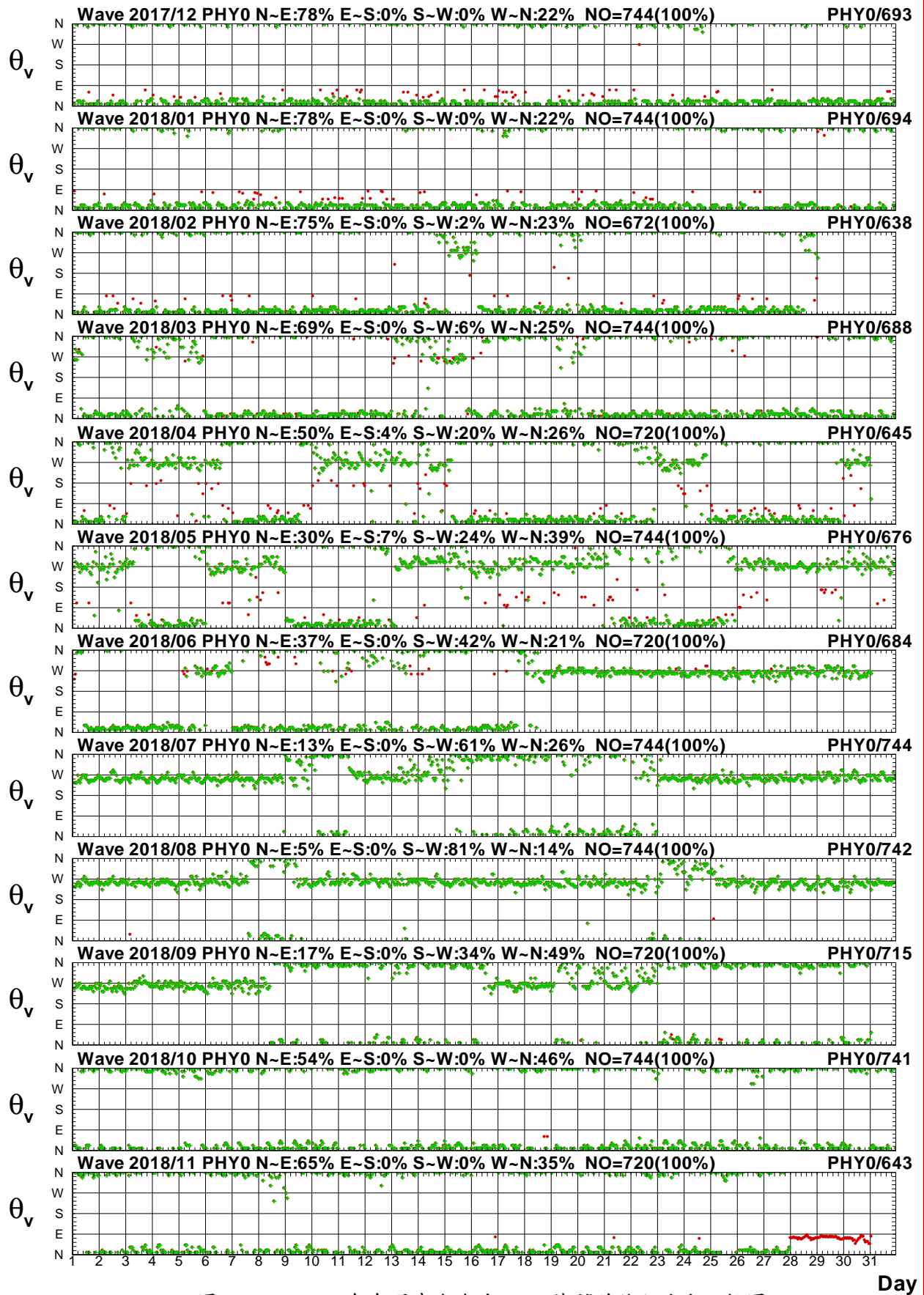


圖2.1.1c 2018年每月澎湖海域 Y 站修補前後之波向比較圖

V17CPHY0.1HA V17CPHY0.1HO V181PHY0.1HA V181PHY0.1HO V182PHY0.1HA V182PHY0.1HO
 V183PHY0.1HA V183PHY0.1HO V184PHY0.1HA V184PHY0.1HO V185PHY0.1HA V185PHY0.1HO

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Wave H_s in Peng-Hu Seas of PHX0 at 2018

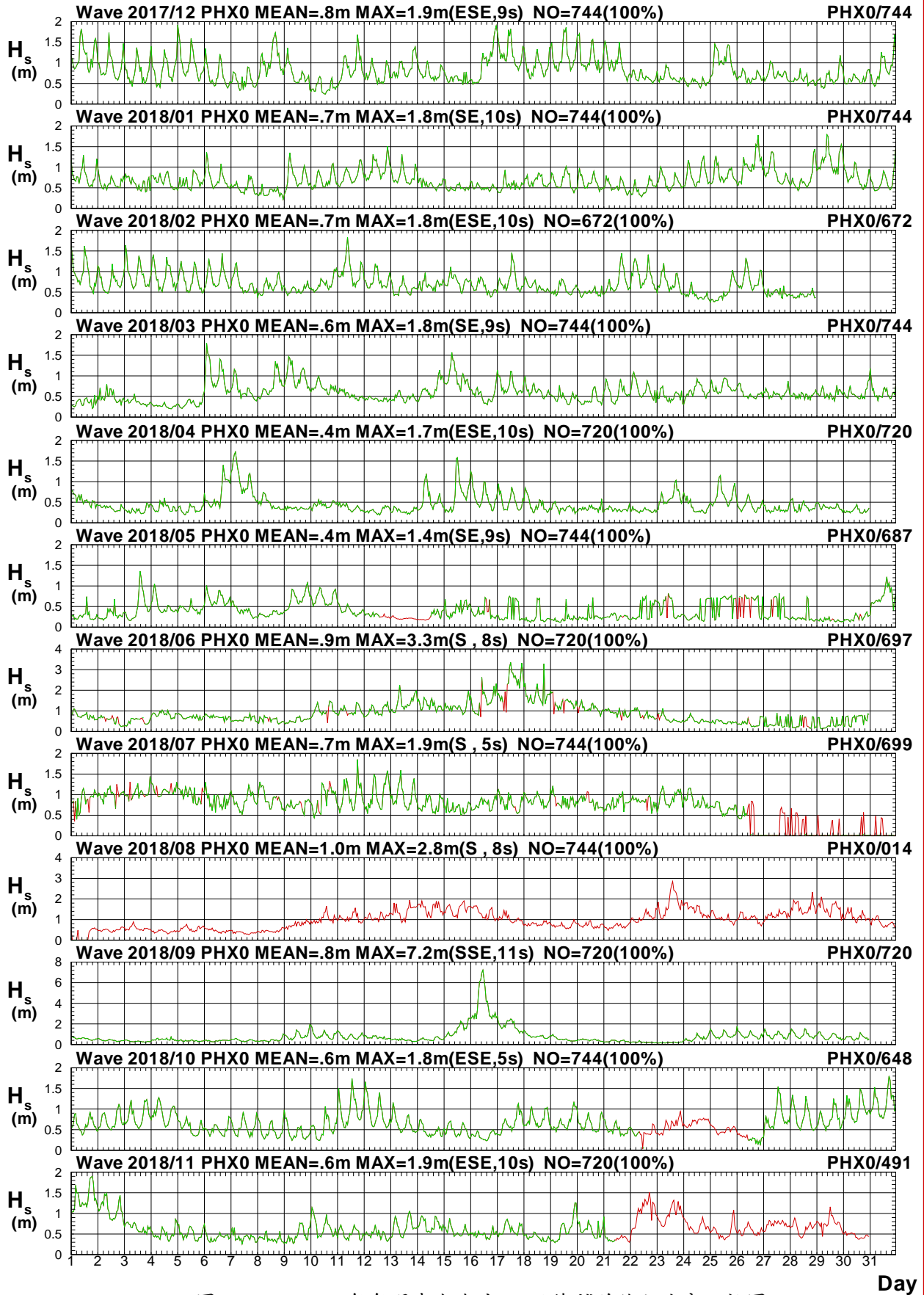


圖2.1.2a 2018年每月澎湖海域 X 站修補前後之波高比較圖

V17CPHX0.1HA V17CPHX0.1HO V181PHX0.1HA V181PHX0.1HO V182PHX0.1HA V182PHX0.1HO
 V183PHX0.1HA V183PHX0.1HO V184PHX0.1HA V184PHX0.1HO V185PHX0.1HA V185PHX0.1HO

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Wave T_p in Peng-Hu Seas of PHX0 at 2018

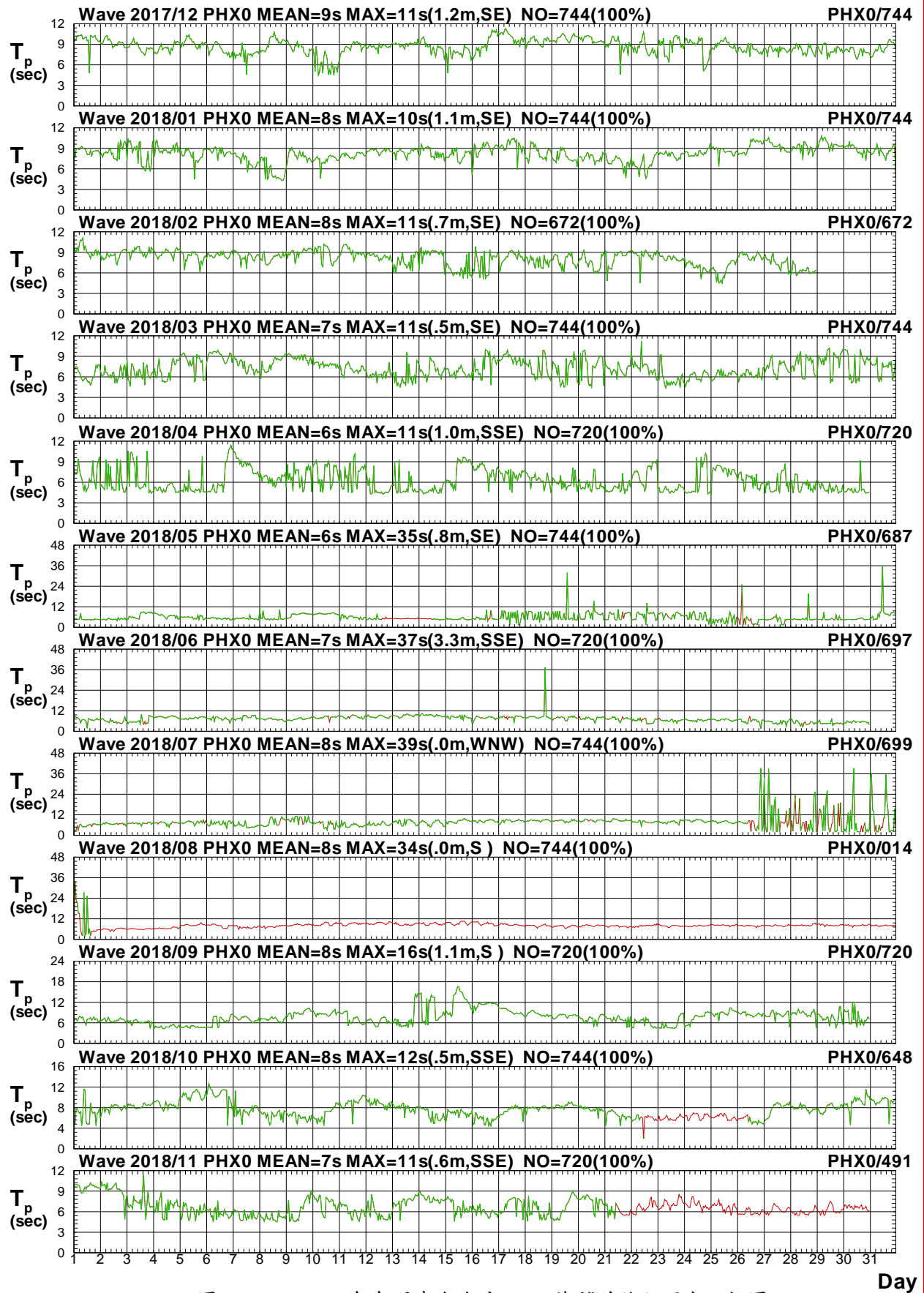


圖2.1.2b 2018年每月澎湖海域 X 站修補前後之週期比較圖

V17CPHX0.1HA V17CPHX0.1HO V181PHX0.1HA V181PHX0.1HO V182PHX0.1HA V182PHX0.1HO
 V183PHX0.1HA V183PHX0.1HO V184PHX0.1HA V184PHX0.1HO V185PHX0.1HA V185PHX0.1HO

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Wave Direction in Peng-Hu Seas of PHX0 at 2018

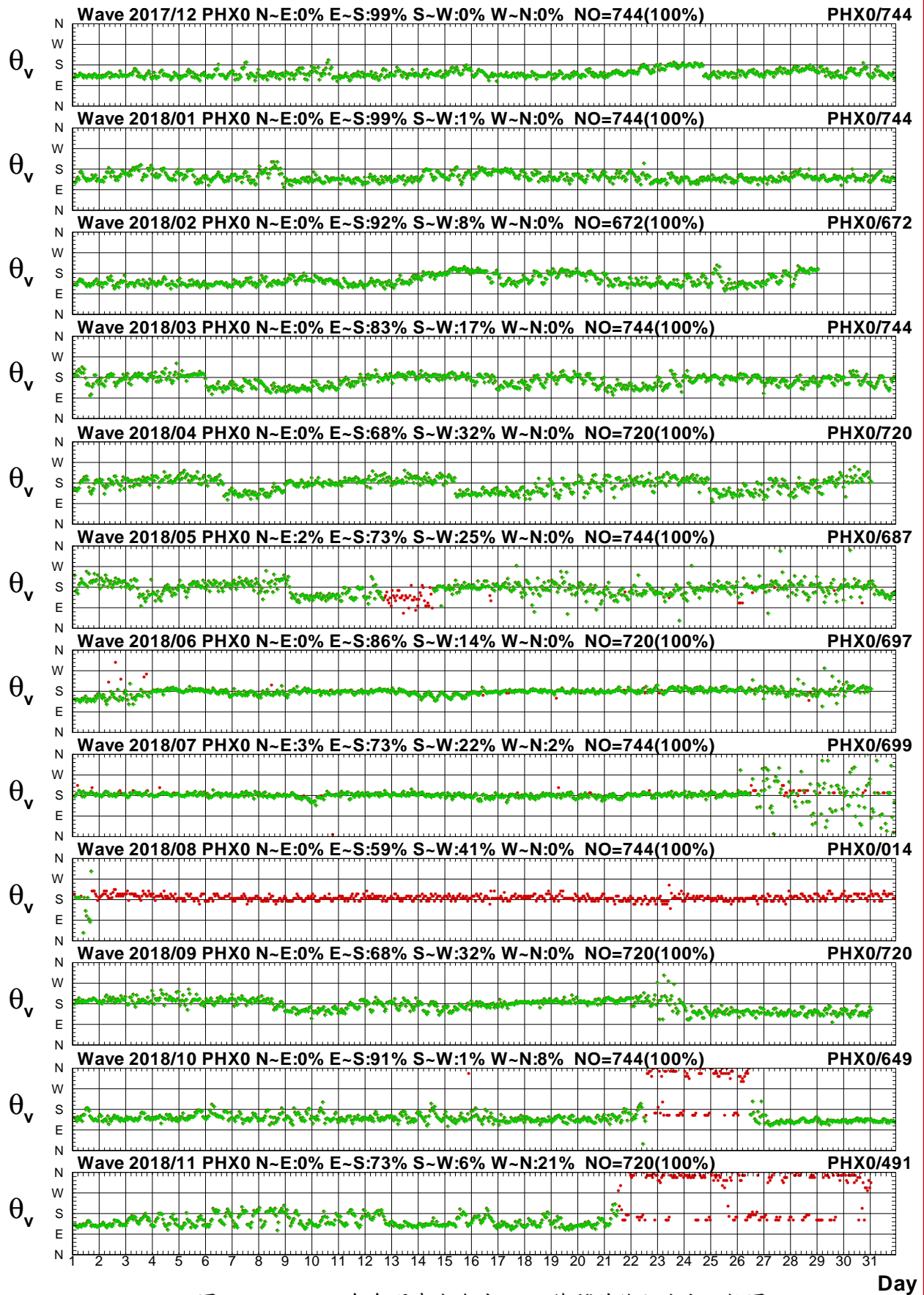


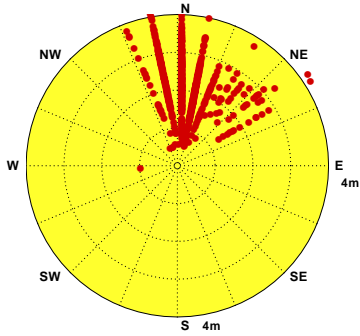
圖2.1.2c 2018年每月澎湖海域 X 站修補前後之波向比較圖

V17CPHX0.1HA V17CPHX0.1H0 V181PHX0.1HA V181PHX0.1H0 V182PHX0.1HA V182PHX0.1H0
 V183PHX0.1HA V183PHX0.1H0 V184PHX0.1HA V184PHX0.1H0 V185PHX0.1HA V185PHX0.1H0

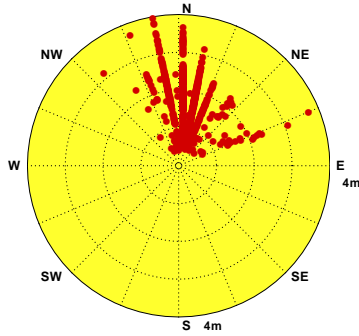
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Distribution of H_s Vectors

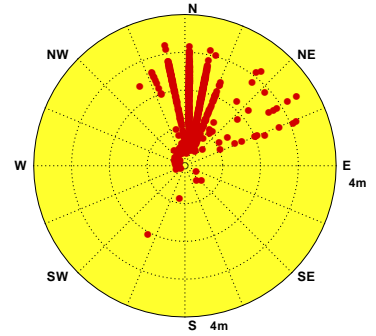
Wave of PHY0 at 2017/12 NO=744(100%)
 Hs : MEAN=2.1m MAX=4.1m(NNW,7s)
 N-E:78% E-S:0% S-W:0% W-N:22%



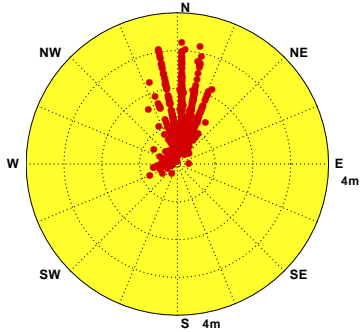
Wave of PHY0 at 2018/01 NO=744(100%)
 Hs : MEAN=1.7m MAX=3.8m(NNW,7s)
 N-E:78% E-S:0% S-W:0% W-N:22%



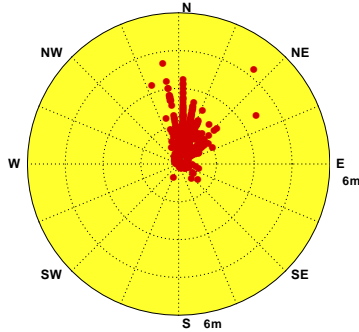
Wave of PHY0 at 2018/02 NO=672(100%)
 Hs : MEAN=1.5m MAX=3.3m(ENE,6s)
 N-E:75% E-S:0% S-W:2% W-N:23%



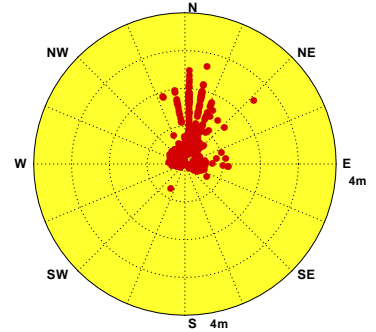
Wave of PHY0 at 2018/03 NO=744(100%)
 Hs : MEAN=1.0m MAX=3.1m(N, 7s)
 N-E:69% E-S:0% S-W:6% W-N:25%



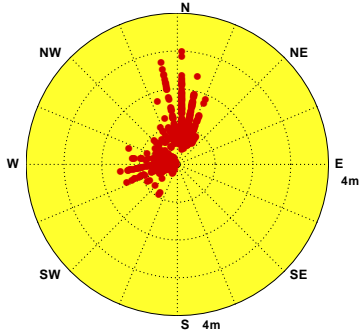
Wave of PHY0 at 2018/04 NO=720(100%)
 Hs : MEAN=.7m MAX=4.5m(NE,7s)
 N-E:50% E-S:4% S-W:20% W-N:26%



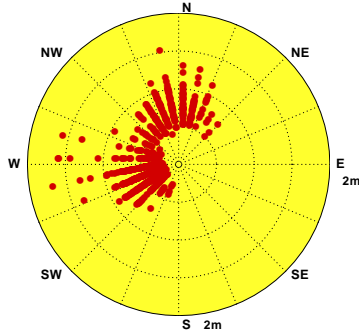
Wave of PHY0 at 2018/05 NO=744(100%)
 Hs : MEAN=.5m MAX=2.5m(N, 6s)
 N-E:30% E-S:7% S-W:24% W-N:39%



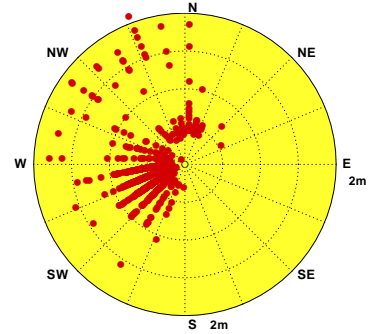
Wave of PHY0 at 2018/06 NO=720(100%)
 Hs : MEAN=.7m MAX=2.8m(N, 6s)
 N-E:37% E-S:0% S-W:42% W-N:21%



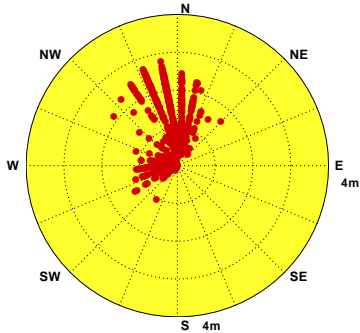
Wave of PHY0 at 2018/07 NO=744(100%)
 Hs : MEAN=.6m MAX=1.8m(WSW,6s)
 N-E:13% E-S:0% S-W:61% W-N:26%



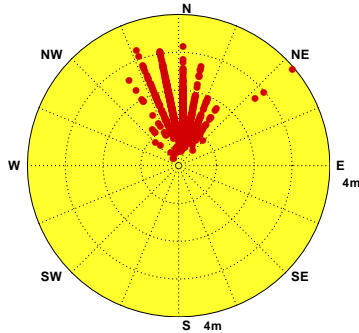
Wave of PHY0 at 2018/08 NO=744(100%)
 Hs : MEAN=.7m MAX=2.0m(NNW,5s)
 N-E:5% E-S:0% S-W:81% W-N:14%



Wave of PHY0 at 2018/09 NO=720(100%)
 Hs : MEAN=1.0m MAX=2.7m(NNW,6s)
 N-E:17% E-S:0% S-W:34% W-N:49%



Wave of PHY0 at 2018/10 NO=744(100%)
 Hs : MEAN=1.4m MAX=3.8m(NE,6s)
 N-E:54% E-S:0% S-W:0% W-N:46%



Wave of PHY0 at 2018/11 NO=720(100%)
 Hs : MEAN=1.2m MAX=3.9m(NNW,7s)
 N-E:65% E-S:0% S-W:0% W-N:35%

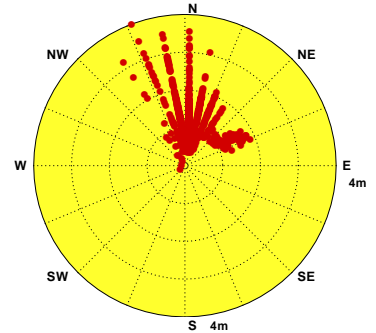


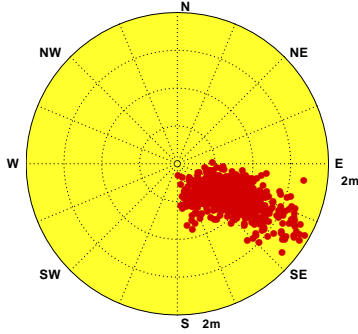
圖2.1.3 2018年澎湖海域每月 Y 站修補後觀測波高向量分佈圖

V17CPHY0.1HA V181PHY0.1HA V182PHY0.1HA V183PHY0.1HA V184PHY0.1HA V185PHY0.1HA
 V186PHY0.1HA V187PHY0.1HA V188PHY0.1HA V189PHY0.1HA V18APHY0.1HA V18BPHY0.1HA

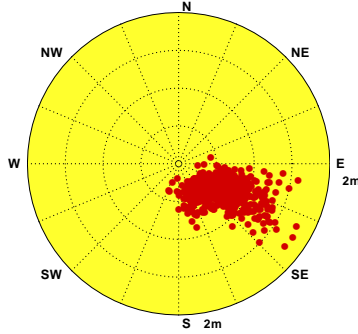
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Distribution of H_s Vectors

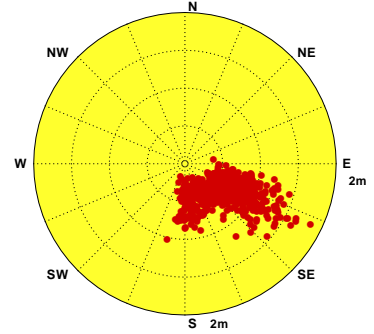
Wave of PHX0 at 2018/12 NO=744(100%)
Hs : MEAN=.8m MAX=1.9m(ESE,9s)
N-E:0% E-S:99% S-W:0% W-N:0%



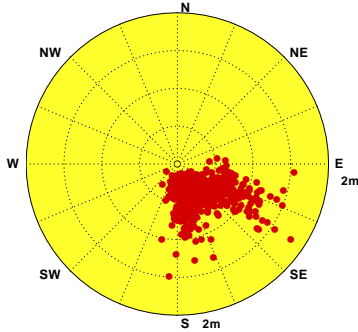
Wave of PHX0 at 2018/01 NO=744(100%)
Hs : MEAN=.7m MAX=1.8m(SE,10s)
N-E:0% E-S:99% S-W:1% W-N:0%



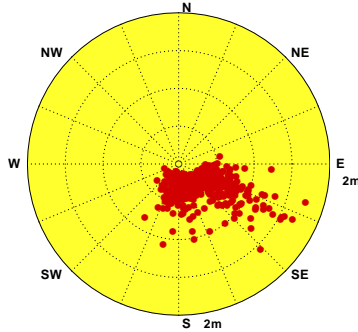
Wave of PHX0 at 2018/02 NO=672(100%)
Hs : MEAN=.7m MAX=1.8m(ESE,10s)
N-E:0% E-S:92% S-W:8% W-N:0%



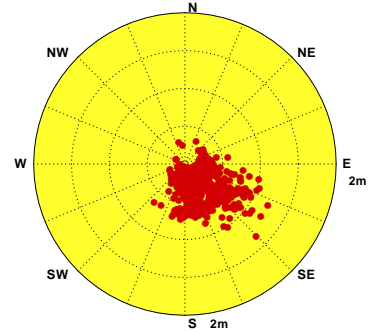
Wave of PHX0 at 2018/03 NO=744(100%)
Hs : MEAN=.6m MAX=1.8m(SE,9s)
N-E:0% E-S:83% S-W:17% W-N:0%



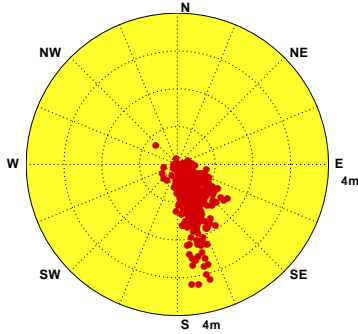
Wave of PHX0 at 2018/04 NO=720(100%)
Hs : MEAN=.4m MAX=1.7m(ESE,10s)
N-E:0% E-S:68% S-W:32% W-N:0%



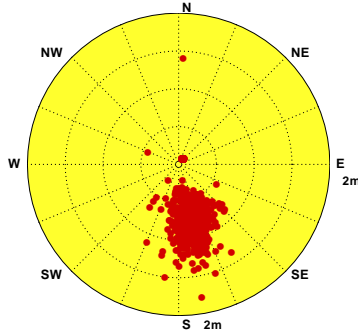
Wave of PHX0 at 2018/05 NO=744(100%)
Hs : MEAN=.4m MAX=1.4m(SE,9s)
N-E:2% E-S:73% S-W:25% W-N:0%



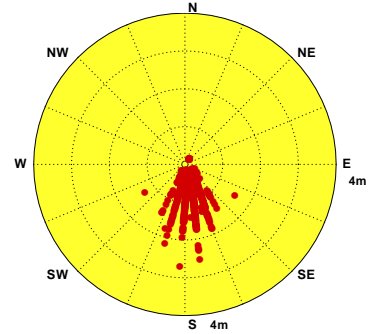
Wave of PHX0 at 2018/06 NO=720(100%)
Hs : MEAN=.9m MAX=3.3m(S, 8s)
N-E:0% E-S:86% S-W:14% W-N:0%



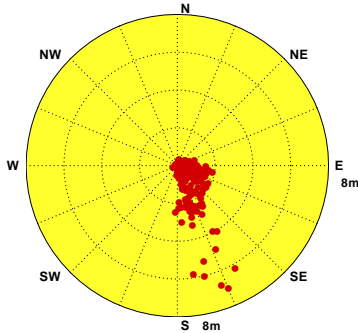
Wave of PHX0 at 2018/07 NO=744(100%)
Hs : MEAN=.7m MAX=1.9m(S, 5s)
N-E:3% E-S:73% S-W:22% W-N:2%



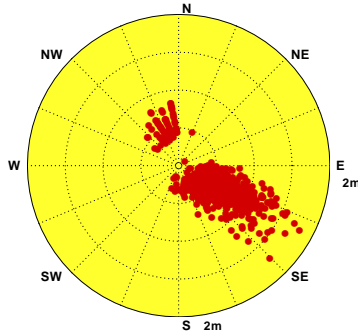
Wave of PHX0 at 2018/08 NO=744(100%)
Hs : MEAN=1.0m MAX=2.8m(S, 8s)
N-E:0% E-S:59% S-W:41% W-N:0%



Wave of PHX0 at 2018/09 NO=720(100%)
Hs : MEAN=.8m MAX=7.2m(SSE,11s)
N-E:0% E-S:68% S-W:32% W-N:0%



Wave of PHX0 at 2018/10 NO=744(100%)
Hs : MEAN=.6m MAX=1.8m(ESE,5s)
N-E:0% E-S:91% S-W:1% W-N:8%



Wave of PHX0 at 2018/11 NO=720(100%)
Hs : MEAN=.6m MAX=1.9m(ESE,10s)
N-E:0% E-S:73% S-W:6% W-N:21%

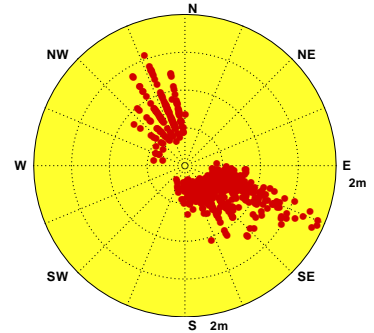


圖2.1.4 2018年澎湖海域每月 X 站修補後觀測波高向量分佈圖

V17CPHX0.1HA V181PHX0.1HA V182PHX0.1HA V183PHX0.1HA V184PHX0.1HA V185PHX0.1HA
V186PHX0.1HA V187PHX0.1HA V188PHX0.1HA V189PHX0.1HA V18APHX0.1HA V18BPHX0.1HA

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2.2 2018 年澎湖海域各測站修補前 波浪統計量統計表

表2.2.1 2018年澎湖海域 Y 站修補前示性波高週期及波向重要統計量統計表

觀測 日期 年、月	波高 H_s		H_s 最大		T_p	T_p	小波	小浪	中浪	大浪	T_p	T_p	T_p	T_p	波向	波向	波向	波向	波向	主波向
	蒐集 率	平均 (m)	(波高/週期/波向) (m/s/來向)		平均 (s)	最大 (s)	<0.5m (%)	~1.5m (%)	~3m (%)	>3m (%)	<6s (%)	6~8s (%)	8~10s (%)	>10s (%)	蒐集 率	N~E (%)	E~S (%)	S~W (%)	W~N (%)	(百分比) 來向/%
2017/12	93%	2.05	4.1/	6.8/NNW	5.3	7.0	1.4	19.2	70.1	9.2	86.9	13.1	.0	.0	93%	76.0	.0	.0	24.0	N /70%
2018/01	93%	1.66	3.8/	7.1/NNW	5.0	7.1	4.2	35.4	56.2	4.2	93.4	6.6	.0	.0	93%	77.8	.0	.0	22.2	N /67%
2018/02	95%	1.49	3.1/	6.3/NNW	5.0	6.9	13.9	32.8	53.0	.3	98.9	1.1	.0	.0	95%	74.0	.0	1.7	24.3	N /64%
2018/03	93%	.99	3.1/	6.5/N	4.7	6.5	24.7	54.1	21.1	.1	99.6	.4	.0	.0	93%	71.4	.1	4.7	23.8	N /58%
2018/04	90%	.70	3.9/	7.0/NNW	4.5	7.0	53.3	35.3	10.7	.6	98.9	1.1	.0	.0	90%	48.5	.5	21.7	29.3	N /38%
2018/05	91%	.47	2.5/	5.6/N	4.2	6.8	78.3	14.1	7.7	.0	98.2	1.8	.0	.0	91%	30.5	1.0	26.2	42.3	W /23%
2018/06	95%	.74	2.8/	5.9/N	4.7	6.1	35.4	57.2	7.5	.0	99.7	.3	.0	.0	95%	38.7	.0	40.6	20.6	N /31%
2018/07	100%	.60	1.8/	5.5/WSW	4.8	6.5	36.2	63.3	.5	.0	97.4	2.6	.0	.0	100%	12.5	.0	61.6	25.9	WSW/38%
2018/08	100%	.65	2.0/	4.9/NNW	5.2	7.1	31.8	64.8	3.4	.0	80.3	19.7	.0	.0	100%	4.4	.0	81.8	13.7	WSW/49%
2018/09	99%	1.02	2.7/	5.9/NNW	4.9	6.7	32.9	38.0	29.1	.0	95.7	4.3	.0	.0	99%	16.6	.0	33.8	49.5	NNW/34%
2018/10	100%	1.38	3.1/	6.1/NNW	4.8	7.3	4.5	55.7	39.5	.3	97.0	3.0	.0	.0	100%	54.1	.0	.0	45.9	N /46%
2018/11	89%	1.25	3.9/	7.1/NNW	4.8	7.1	9.6	62.7	25.7	2.0	96.3	3.7	.0	.0	89%	60.5	.0	.5	39.0	N /50%
2018/冬	94%	1.74	4.1/	6.8/NNW	5.1	7.1	6.3	29.0	60.0	4.7	92.9	7.1	.0	.0	94%	76.0	.0	.5	23.5	N /67%
2018/春	91%	.72	3.9/	7.0/NNW	4.5	7.0	51.9	34.6	13.2	.2	98.9	1.1	.0	.0	91%	50.3	.5	17.4	31.8	N /40%
2018/夏	98%	.66	2.8/	5.9/N	4.9	7.1	34.4	61.9	3.7	.0	92.3	7.7	.0	.0	98%	18.0	.0	61.9	20.1	WSW/40%
2018/秋	96%	1.22	3.9/	7.1/NNW	4.9	7.3	15.7	51.8	31.7	.7	96.3	3.7	.0	.0	96%	43.3	.0	11.7	45.0	NNW/38%
2018/年	95%	1.08	4.1/	6.8/NNW	4.8	7.3	27.1	44.7	26.8	1.4	95.1	4.9	.0	.0	95%	46.4	.1	23.5	30.0	N /39%

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表2.2.2 2018年澎湖海域 X 站修補前示性波高週期及波向重要統計量統計表

觀測日期	波高 蒐集率	H_s 平均 (m)	H_s 最大 (波高/週期/波向) (m/s/來向)	T_p 平均 (s)	T_p 最大 (s)	小波 <0.5m (%)	小浪 ~1.5m (%)	中浪 ~3m (%)	大浪 >3m (%)	T_p <6s (%)	T_p 6~8s (%)	T_p 8~10s (%)	T_p >10s (%)	波向 蒐集率	波向 N~E (%)	波向 E~S (%)	波向 S~W (%)	波向 W~N (%)	主波向 (百分比) 來向/%
2017/12	100%	.82	1.9/ 9.2/ESE	8.6	11.3	8.5	87.0	4.6	.0	2.7	21.8	64.2	11.3	100%	.0	99.6	.4	.0	SE /49%
2018/01	100%	.69	1.8/ 9.9/SE	8.2	10.8	18.8	80.4	.8	.0	4.2	32.8	58.1	5.0	100%	.1	98.7	1.2	.0	SE /46%
2018/02	100%	.70	1.8/ 9.7/ESE	8.1	11.1	20.7	78.4	.9	.0	5.2	32.9	60.6	1.3	100%	.0	92.4	7.6	.0	SE /39%
2018/03	100%	.59	1.8/ 9.4/SE	7.2	11.2	37.8	61.7	.5	.0	21.6	48.0	29.3	1.1	100%	.0	83.5	16.5	.0	s /31%
2018/04	100%	.45	1.7/ 9.5/ESE	6.2	11.4	73.9	25.3	.8	.0	55.1	27.6	15.3	1.9	100%	.1	67.6	32.2	.0	s /33%
2018/05	92%	.41	1.4/ 8.7/SE	5.9	35.5	67.8	32.2	.0	.0	65.1	17.2	16.3	1.5	92%	1.0	71.3	27.4	.3	s /30%
2018/06	97%	.88	3.3/ 8.4/s	7.2	37.3	21.7	68.3	9.5	.6	20.9	45.2	33.1	.7	97%	.0	85.9	13.9	.1	s /48%
2018/07	94%	.73	1.9/ 4.8/s	7.8	39.2	16.6	83.0	.4	.0	22.2	35.5	35.1	7.3	94%	2.7	77.3	17.9	2.1	s /59%
2018/08	2%	.00	.0/ 2.7/N	13.1	34.0	100.0	.0	.0	.0	42.9	7.1	.0	50.0	2%	21.4	14.3	50.0	14.3	s /50%
2018/09	100%	.76	7.2/11.3/SSE	7.7	16.6	43.9	47.6	6.7	1.8	19.9	39.7	30.6	9.9	100%	.0	68.2	31.7	.1	s /38%
2018/10	87%	.66	1.8/ 4.8/ESE	7.8	12.7	29.5	69.0	1.5	.0	14.0	42.0	36.3	7.7	87%	.2	98.5	1.4	.0	SE /46%
2018/11	68%	.61	1.9/ 9.6/ESE	6.8	11.4	42.6	55.8	1.6	.0	35.6	45.2	17.5	1.6	68%	.0	92.5	7.5	.0	ESE/40%
2018/冬	100%	.74	1.9/ 9.2/ESE	8.3	11.3	15.8	82.0	2.1	.0	4.0	29.0	61.0	6.0	100%	.0	97.0	2.9	.0	SE /45%
2018/春	97%	.48	1.8/ 9.4/SE	6.5	35.5	59.5	40.1	.5	.0	46.7	31.3	20.5	1.5	97%	.4	74.3	25.2	.1	s /31%
2018/夏	64%	.79	3.3/ 8.4/s	7.6	39.2	19.9	74.9	4.9	.3	21.8	40.0	33.8	4.5	64%	1.6	80.9	16.2	1.3	s /54%
2018/秋	85%	.69	7.2/11.3/SSE	7.5	16.6	38.5	57.2	3.6	.7	22.0	42.0	29.1	6.9	85%	.1	85.2	14.7	.1	SE /33%
2018/年	87%	.66	7.2/11.3/SSE	7.4	39.2	34.5	62.7	2.5	.2	23.8	34.9	36.6	4.7	87%	.4	84.7	14.6	.3	SE /27%

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表2.2.3 2018年澎湖海域 A 站修補前示性波高週期及波向重要統計量統計表

觀測日期	波高 蒐集率	H_s 平均 (m)	H_s 最大 (波高/週期/波向) (m/s/來向)	T_p 平均 (s)	T_p 最大 (s)	小波 <0.5m (%)	小浪 ~1.5m (%)	中浪 ~3m (%)	大浪 >3m (%)	T_p <6s (%)	T_p 6~8s (%)	T_p 8~10s (%)	T_p >10s (%)	波向 蒐集率	波向 N~E (%)	波向 E~S (%)	波向 S~W (%)	波向 W~N (%)	主波向 (百分比) 來向/%
2017/12	96%	.27	.8/ 9.7/E	7.2	10.6	93.7	6.3	.0	.0	28.3	23.2	45.0	3.5	96%	46.9	47.3	2.4	3.5	E /55%
2018/01	93%	.48	1.0/10.0/NW	3.6	10.2	51.4	48.6	.0	.0	87.7	2.3	9.7	.3	93%	43.1	2.9	15.4	38.6	N /36%
2018/02	69%	.37	.9/ 3.8/N	3.3	8.3	67.0	33.0	.0	.0	93.3	6.3	.4	.0	69%	32.0	2.4	36.1	29.6	W /27%
2018/03	98%	.31	.9/ 3.4/NNW	3.3	9.4	81.8	18.2	.0	.0	95.1	4.0	1.0	.0	98%	19.5	1.5	51.4	27.6	W /33%
2018/04	99%	.26	.9/ 3.5/NNW	3.7	25.1	91.3	8.7	.0	.0	96.6	2.7	.6	.1	99%	13.7	2.8	64.1	19.3	W /31%
2018/05	97%	.19	.7/ 3.0/NW	3.5	10.1	97.4	2.6	.0	.0	98.3	.8	.7	.1	97%	5.5	5.8	68.5	20.1	W /30%
2018/06	99%	.29	.9/ 8.9/W	4.9	9.7	90.9	9.1	.0	.0	63.7	30.0	6.3	.0	99%	5.2	1.7	65.9	27.2	W /53%
2018/07	67%	.30	.8/ 6.2/W	5.8	9.2	96.0	4.0	.0	.0	54.9	35.4	9.7	.0	67%	.6	.2	74.2	24.9	W /74%
2018/08	79%	.33	1.1/ 3.2/WNW	6.4	10.4	88.8	11.2	.0	.0	42.1	34.9	21.1	1.9	79%	.0	.0	69.7	30.3	W /82%
2018/09	99%	.37	.9/ 3.3/NNW	5.0	15.9	71.0	29.0	.0	.0	67.6	20.1	6.3	6.0	99%	11.2	1.3	49.0	38.6	W /44%
2018/10	97%	.45	1.0/ 3.5/N	3.1	11.7	61.5	38.5	.0	.0	95.1	.7	1.9	2.2	97%	39.3	3.2	21.8	35.7	N /32%
2018/11	70%	.38	1.0/ 3.8/N	3.1	10.1	79.6	20.4	.0	.0	94.3	3.4	2.0	.4	70%	27.7	3.0	31.6	37.7	W /25%
2018/冬	86%	.37	1.0/10.0/NW	4.9	10.6	71.5	28.5	.0	.0	66.3	11.3	21.0	1.4	86%	41.8	19.8	15.5	22.9	E /22%
2018/春	98%	.25	.9/ 3.5/NNW	3.5	25.1	90.1	9.9	.0	.0	96.7	2.5	.7	.1	98%	12.9	3.4	61.3	22.4	W /31%
2018/夏	82%	.31	1.1/ 3.2/WNW	5.6	10.4	91.6	8.4	.0	.0	54.2	33.1	12.1	.6	82%	2.2	.7	69.4	27.6	W /68%
2018/秋	89%	.40	1.0/ 3.8/N	3.8	15.9	69.8	30.2	.0	.0	84.8	8.6	3.6	3.1	89%	25.9	2.4	34.4	37.3	W /28%
2018/年	89%	.33	1.1/ 3.2/WNW	4.4	25.1	80.9	19.1	.0	.0	76.6	13.2	8.9	1.3	89%	20.6	6.5	45.5	27.4	W /34%

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表2.2.4 2018年澎湖海域 R 站修補前示性波高週期及波向重要統計量統計表

觀測日期	波高 蒐集率	H_s 平均 (m)	H_s 最大 (波高/週期/波向) (m/s/來向)	T_p 平均 (s)	T_p 最大 (s)	小波 <0.5m (%)	小浪 ~1.5m (%)	中浪 ~3m (%)	大浪 >3m (%)	T_p <6s (%)	T_p 6~8s (%)	T_p 8~10s (%)	T_p >10s (%)	波向 蒐集率	波向 N~E (%)	波向 E~S (%)	波向 S~W (%)	波向 W~N (%)	主波向 (百分比) 來向/%	
2017/12	20%	3.41	5.5/ 7.0/NNE	6.2	7.1	.0	.0	28.7	71.3	31.3	68.7	.0	.0	20%	84.7	6.0	.7	8.7	N /57%	
2018/01	0																			
2018/02	0																			
2018/03	0																			
2018/04	0																			
2018/05	8%	.26	.4/ 3.3/SSE	4.0	5.5	100.0	.0	.0	.0	100.0	.0	.0	.0	8%	8.1	71.0	12.9	8.1	SE /35%	
2018/06	99%	1.21	4.2/ 6.8/SW	5.4	7.5	13.9	57.3	26.1	2.7	75.7	24.3	.0	.0	99%	18.0	10.1	67.6	4.4	SSW/24%	
2018/07	99%	1.11	2.2/ 7.9/SSW	5.7	7.9	5.0	83.9	11.1	.0	65.5	34.5	.0	.0	99%	2.7	12.6	80.6	4.1	SSW/31%	
2018/08	99%	1.43	3.4/ 6.4/SW	6.0	8.4	1.5	52.8	44.4	1.4	46.3	52.6	1.1	.0	99%	1.4	8.1	86.7	3.8	SSW/33%	
2018/09	100%	1.43	6.9/ 9.2/S	5.5	13.1	17.1	44.4	31.2	7.2	75.3	19.2	4.6	.8	100%	28.1	19.2	37.3	15.3	N /15%	
2018/10	99%	1.62	3.8/ 7.0/E	4.9	7.0	1.2	50.3	44.0	4.5	94.0	6.0	.0	.0	99%	71.0	2.5	.4	26.2	N /44%	
2018/11	100%	1.38	4.2/ 6.8/N	4.9	6.9	.7	67.6	27.3	4.3	95.4	4.6	.0	.0	100%	48.7	18.0	.8	32.5	N /33%	
2018/冬	7%	3.41	5.5/ 7.0/NNE	6.2	7.1	.0	.0	28.7	71.3	31.3	68.7	.0	.0	7%	84.7	6.0	.7	8.7	N /57%	
2018/春	3%	.26	.4/ 3.3/SSE	4.0	5.5	100.0	.0	.0	.0	100.0	.0	.0	.0	3%	8.1	71.0	12.9	8.1	SE /35%	
2018/夏	99%	1.25	4.2/ 6.8/SW	5.7	8.4	6.7	64.7	27.2	1.3	62.3	37.3	.4	.0	99%	7.2	10.3	78.4	4.1	SSW/30%	
2018/秋	99%	1.48	6.9/ 9.2/S	5.1	13.1	6.3	54.1	34.3	5.3	88.3	9.9	1.5	.3	99%	49.4	13.1	12.8	24.7	N /31%	
2018/年	52%	1.41	6.9/ 9.2/S	5.4	13.1	7.6	56.7	30.2	5.5	74.1	24.8	.9	.1	52%	29.8	12.3	43.8	14.0	N /18%	

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2.3 2018 年澎湖海域**主要測站 1**(修補後)與 **其他測站**(修補前)波浪歷線比較圖

Wave H_s in Peng-Hu Harbor of PHY0 at 2018

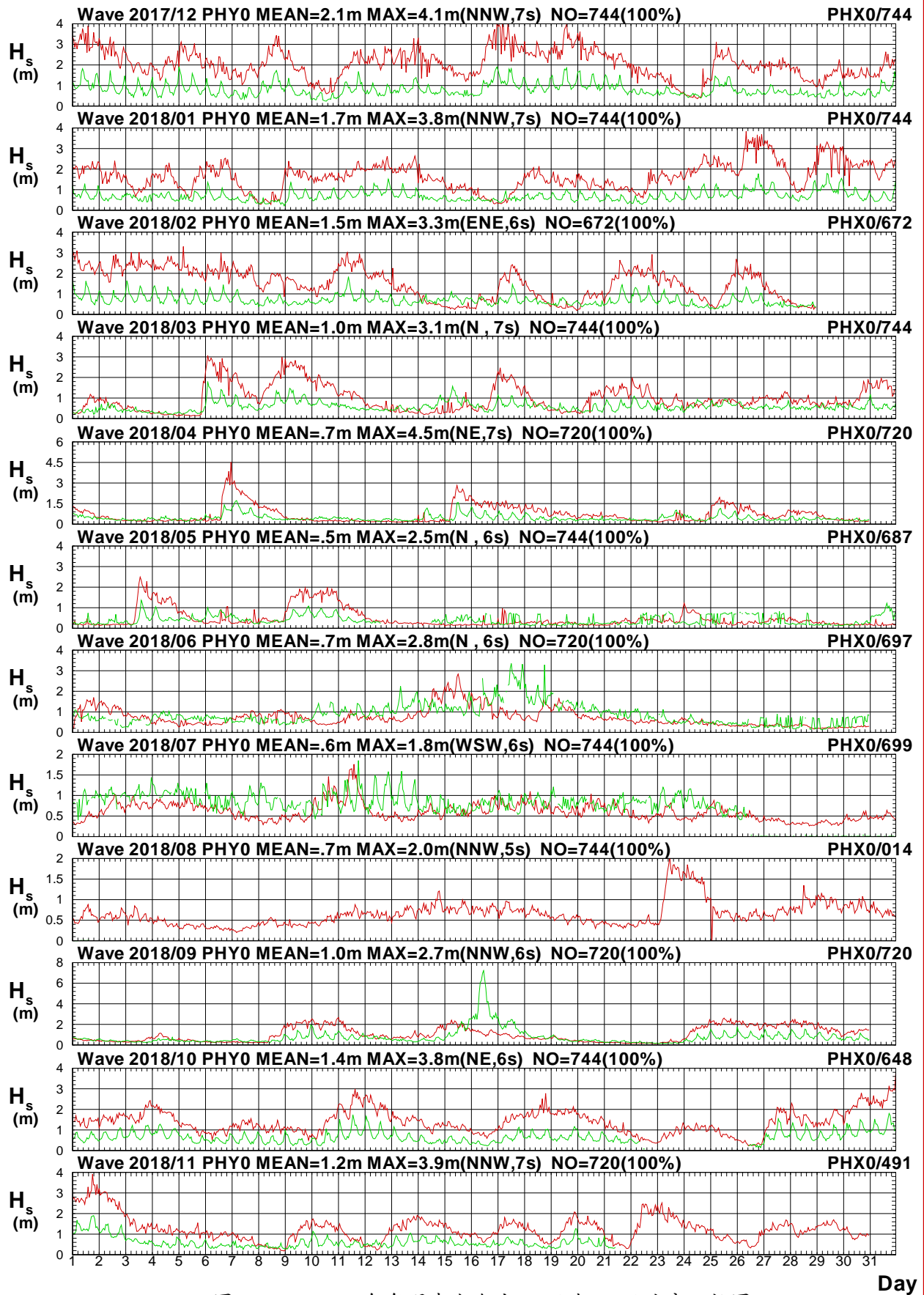


圖2.3.1a 2018年每月澎湖海域 Y 站與 X 站波高比較圖

V17CPHY0.1HA V17CPHX0.1H0 V181PHY0.1HA V181PHX0.1H0 V182PHY0.1HA V182PHX0.1H0
 V183PHY0.1HA V183PHX0.1H0 V184PHY0.1HA V184PHX0.1H0 V185PHY0.1HA V185PHX0.1H0

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Wave T_p in Peng-Hu Harbor of PHY0 at 2018

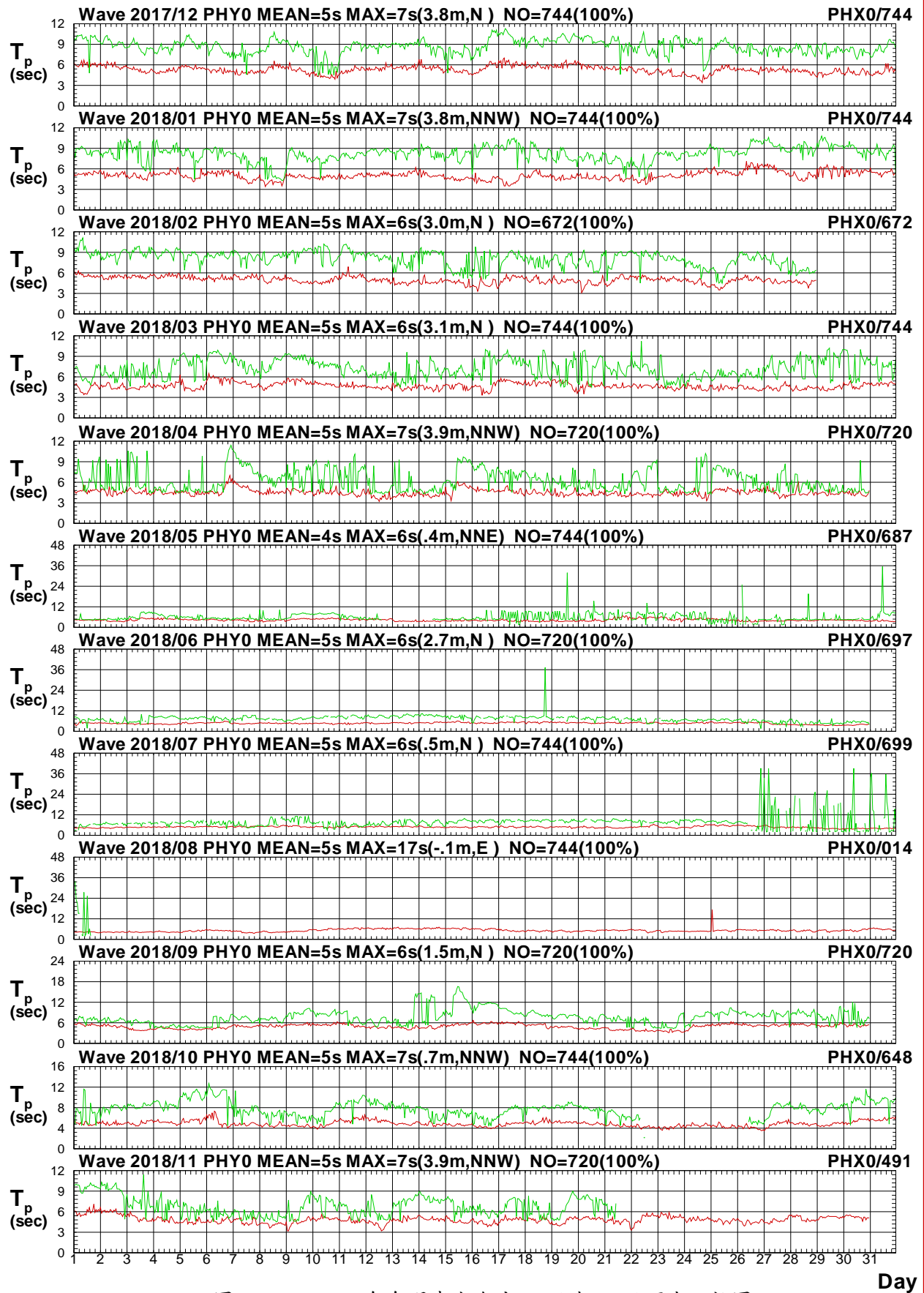


圖2.3.1b 2018年每月澎湖海域 Y 站與 X 站週期比較圖

V17CPHY0.1HA V17CPHX0.1H0 V181PHY0.1HA V181PHX0.1H0 V182PHY0.1HA V182PHX0.1H0
 V183PHY0.1HA V183PHX0.1H0 V184PHY0.1HA V184PHX0.1H0 V185PHY0.1HA V185PHX0.1H0

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Wave Direction in Peng-Hu Harbor of PHY0 at 2018

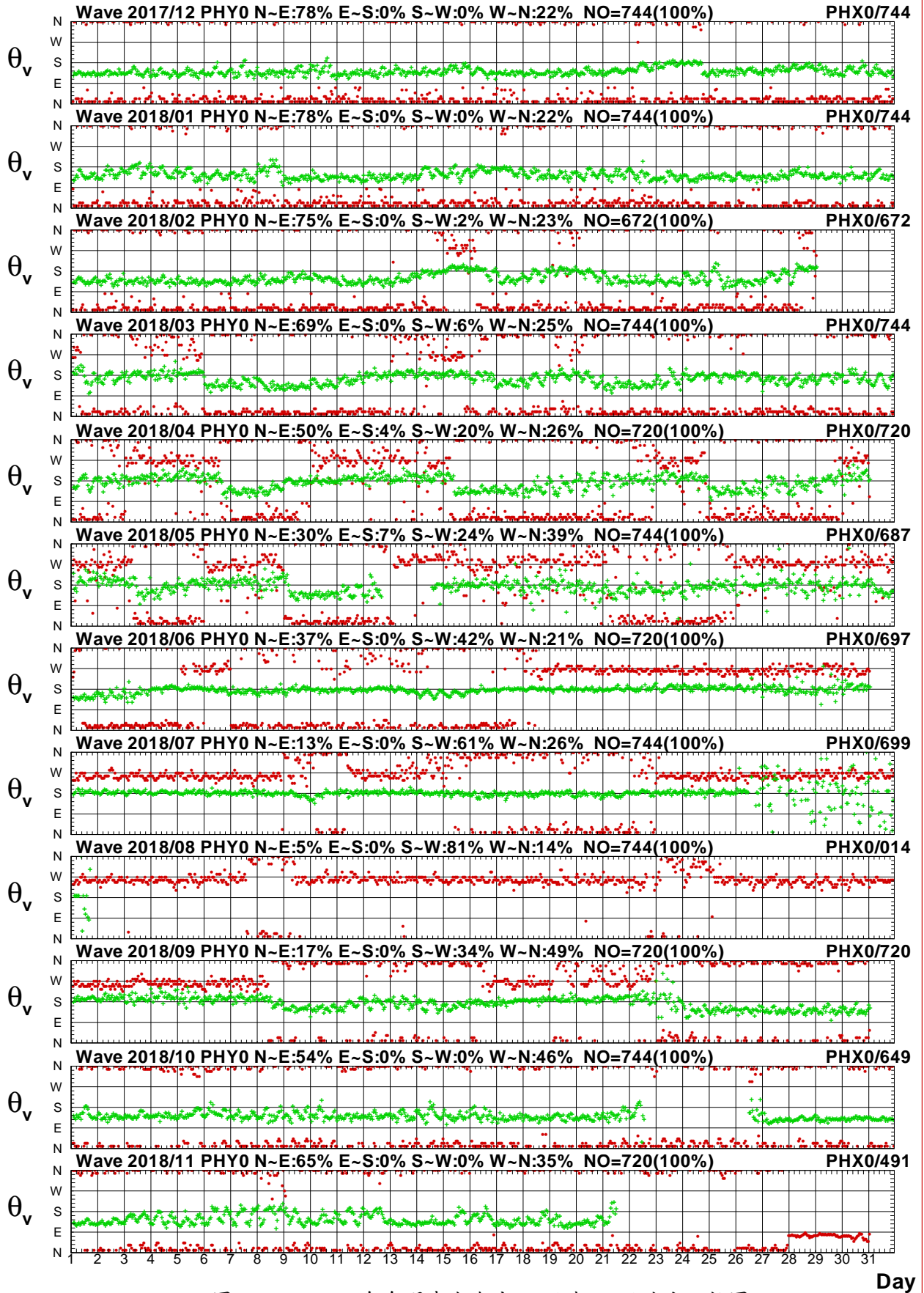


圖2.3.1c 2018年每月澎湖海域 Y 站與 X 站波向比較圖

V17CPHY0.1HA V17CPHX0.1H0 V181PHY0.1HA V181PHX0.1H0 V182PHY0.1HA V182PHX0.1H0
 V183PHY0.1HA V183PHX0.1H0 V184PHY0.1HA V184PHX0.1H0 V185PHY0.1HA V185PHX0.1H0

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Wave H_s in Peng-Hu Harbor of PHY0 at 2018

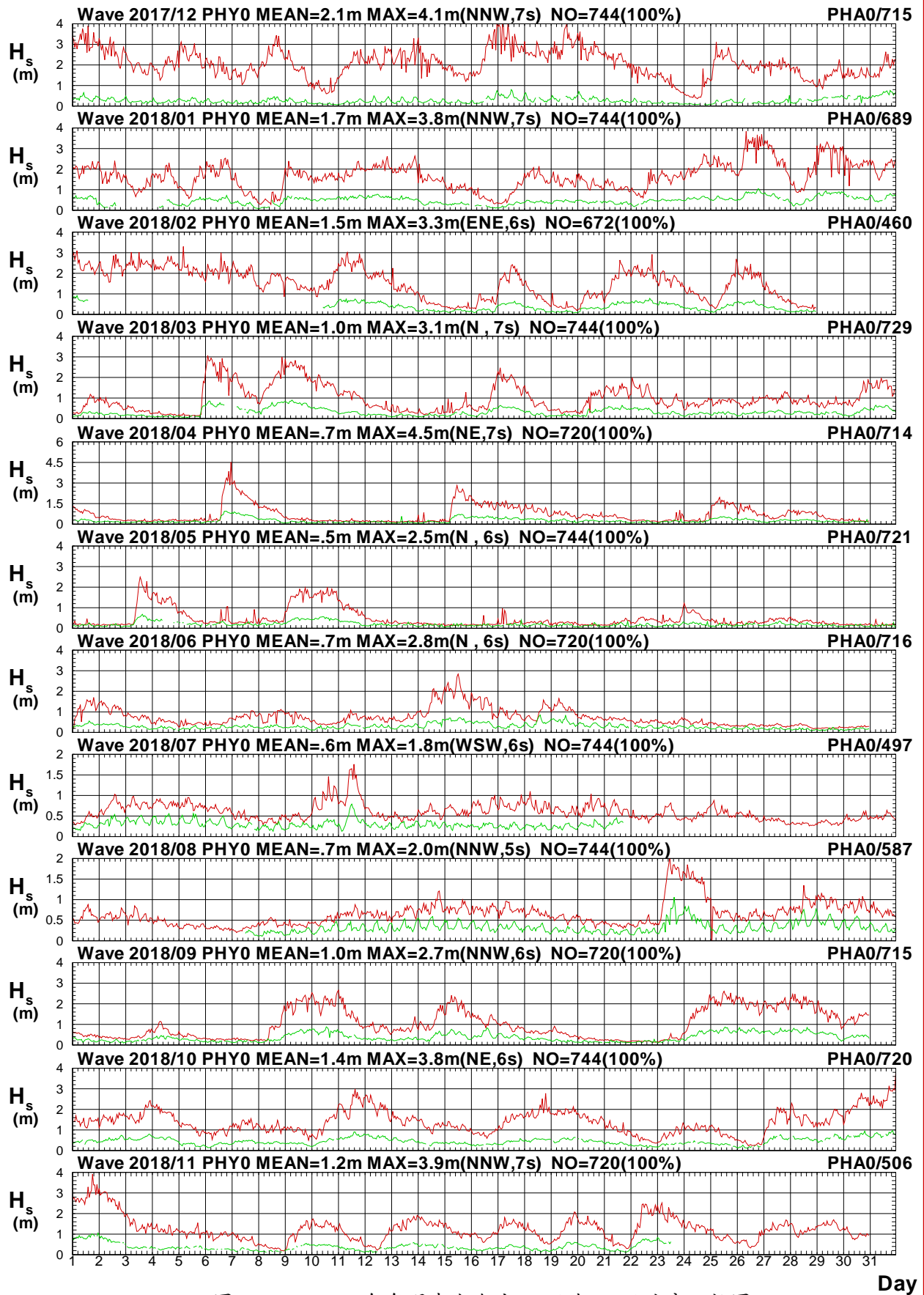


圖2.3.2a 2018年每月澎湖海域 Y 站與 A 站波高比較圖

V17CPHY0.1HA V17CPHA0.1H0 V181PHY0.1HA V181PHA0.1H0 V182PHY0.1HA V182PHA0.1H0
 V183PHY0.1HA V183PHA0.1H0 V184PHY0.1HA V184PHA0.1H0 V185PHY0.1HA V185PHA0.1H0

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Wave T_p in Peng-Hu Harbor of PHY0 at 2018

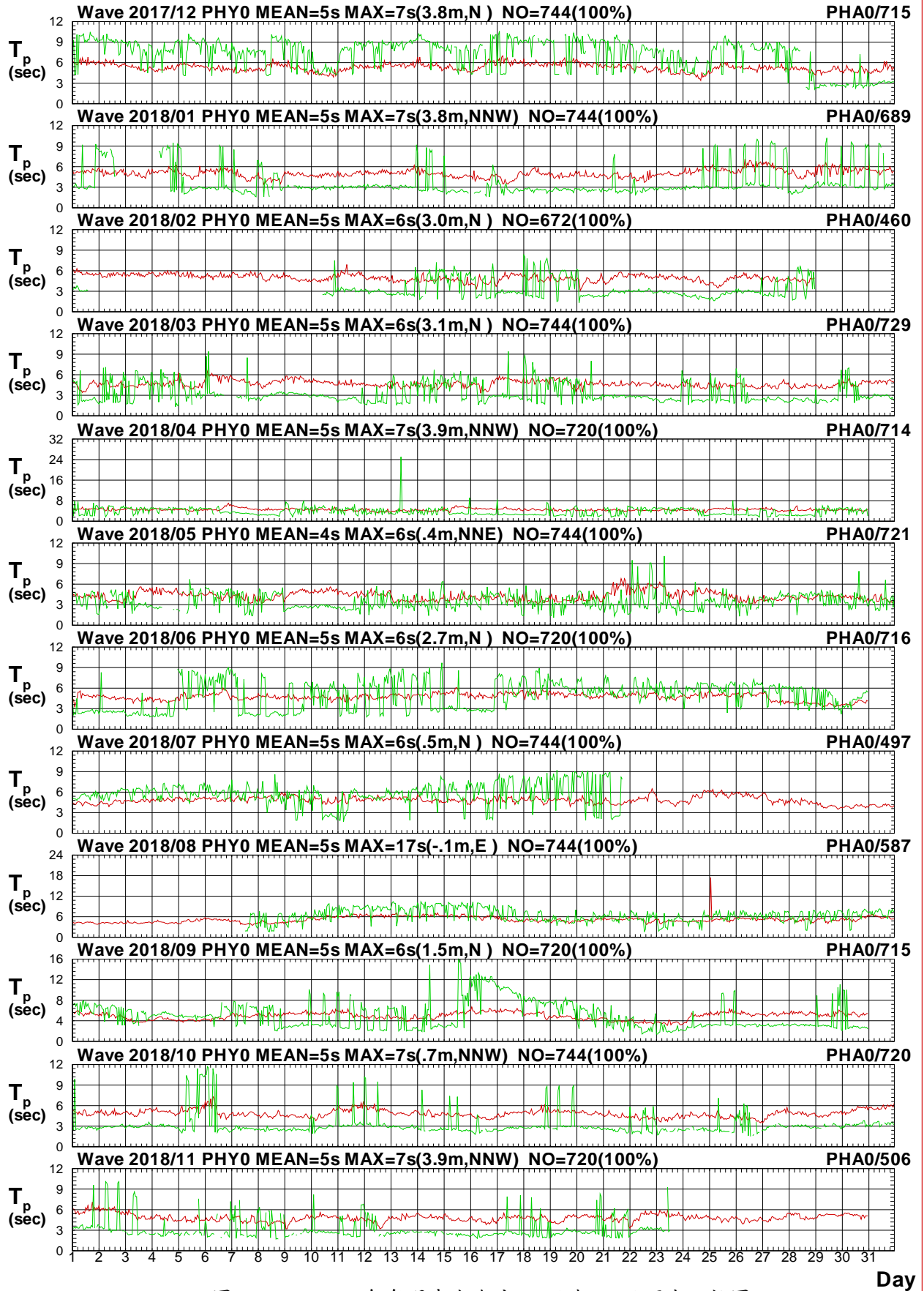


圖2.3.2b 2018年每月澎湖海域 Y 站與 A 站週期比較圖

V17CPHY0.1HA V17CPHA0.1H0 V181PHY0.1HA V181PHA0.1H0 V182PHY0.1HA V182PHA0.1H0
 V183PHY0.1HA V183PHA0.1H0 V184PHY0.1HA V184PHA0.1H0 V185PHY0.1HA V185PHA0.1H0

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Wave Direction in Peng-Hu Harbor of PHY0 at 2018

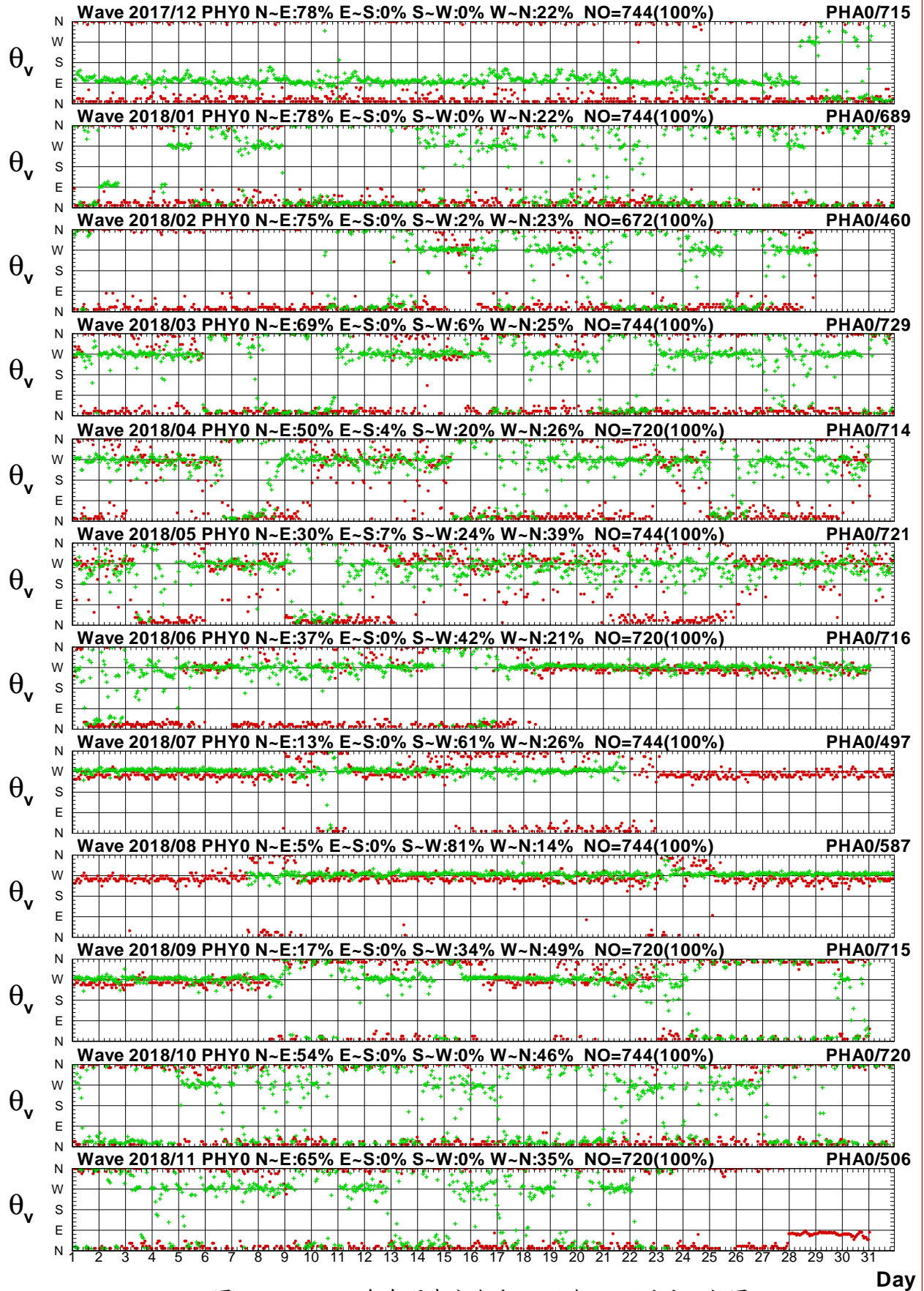


圖2.3.2c 2018年每月澎湖海域 Y 站與 A 站波向比較圖

V17CPHY0.1HA V17CPHA0.1H0 V181PHY0.1HA V181PHA0.1H0 V182PHY0.1HA V182PHA0.1H0
 V183PHY0.1HA V183PHA0.1H0 V184PHY0.1HA V184PHA0.1H0 V185PHY0.1HA V185PHA0.1H0

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Wave H_s in Peng-Hu Harbor of PHY0 at 2018

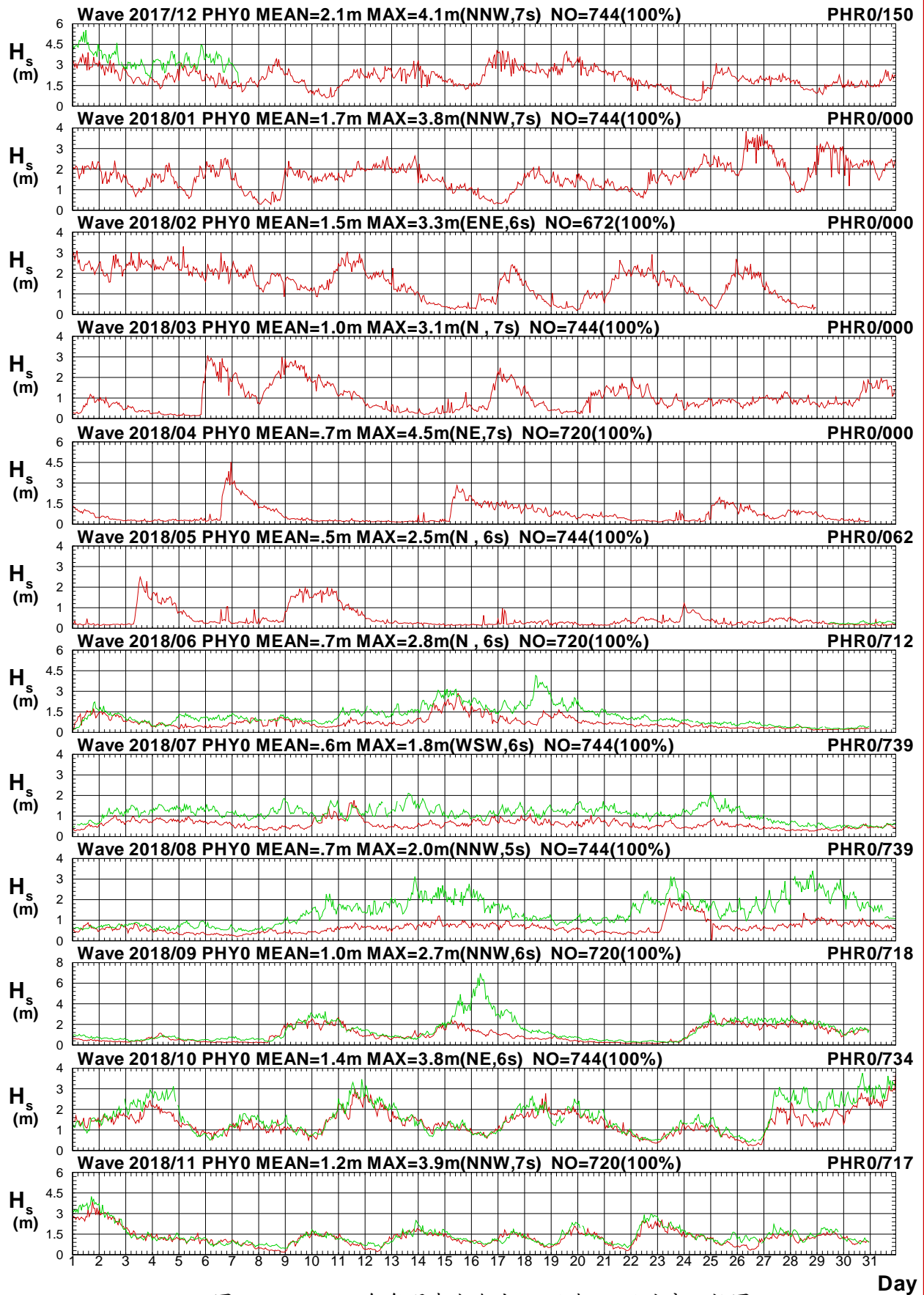


圖2.3.3a 2018年每月澎湖海域 Y 站與 R 站波高比較圖

V17CPHY0.1HA V17CPR0.1H0 V181PHY0.1HA V181PHR0.1H0 V182PHY0.1HA V182PHR0.1H0
 V183PHY0.1HA V183PHR0.1H0 V184PHY0.1HA V184PHR0.1H0 V185PHY0.1HA V185PHR0.1H0

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Wave T_p in Peng-Hu Harbor of PHY0 at 2018

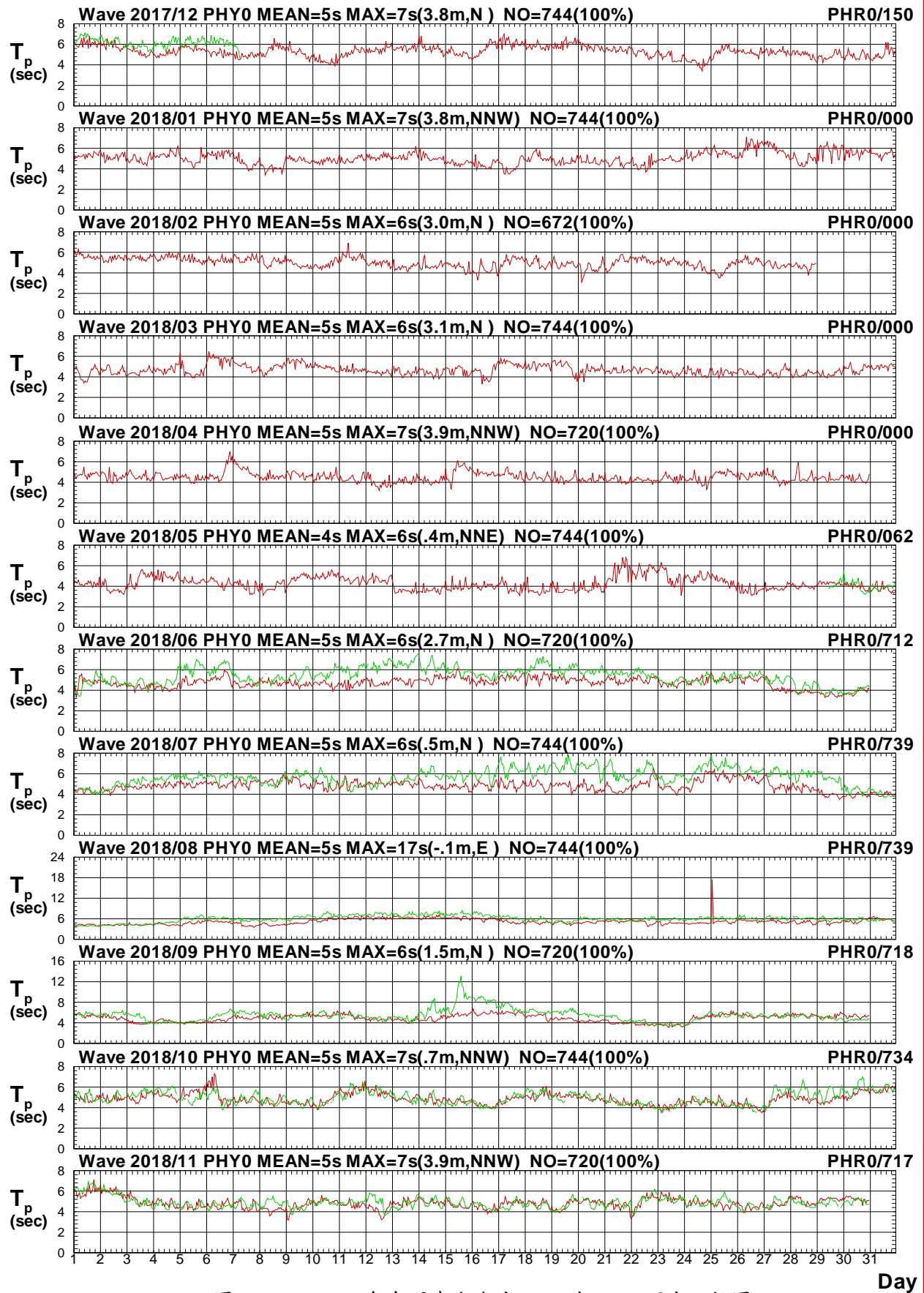


圖2.3.3b 2018年每月澎湖海域 Y 站與 R 站週期比較圖

V17CPHY0.1HA V17CPHR0.1H0 V181PHY0.1HA V181PHR0.1H0 V182PHY0.1HA V182PHR0.1H0
 V183PHY0.1HA V183PHR0.1H0 V184PHY0.1HA V184PHR0.1H0 V185PHY0.1HA V185PHR0.1H0

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Wave Direction in Peng-Hu Harbor of PHY0 at 2018

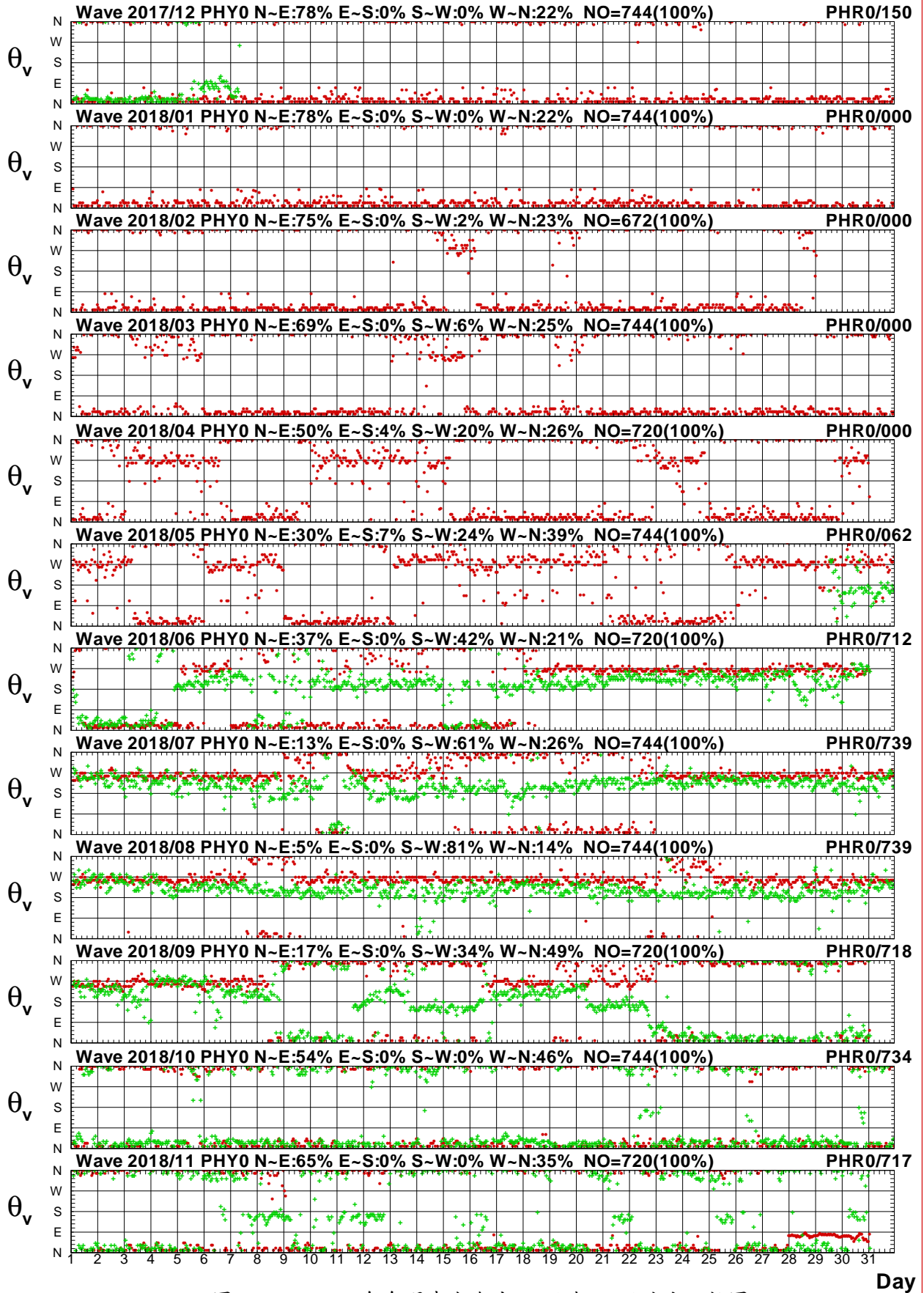


圖2.3.3c 2018年每月澎湖海域 Y 站與 R 站波向比較圖

V17CPHY0.1HA V17CPHR0.1H0 V181PHY0.1HA V181PHR0.1H0 V182PHY0.1HA V182PHR0.1H0
 V183PHY0.1HA V183PHR0.1H0 V184PHY0.1HA V184PHR0.1H0 V185PHY0.1HA V185PHR0.1H0

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Wave H_s in Peng-Hu Harbor of PHY0 at 2018

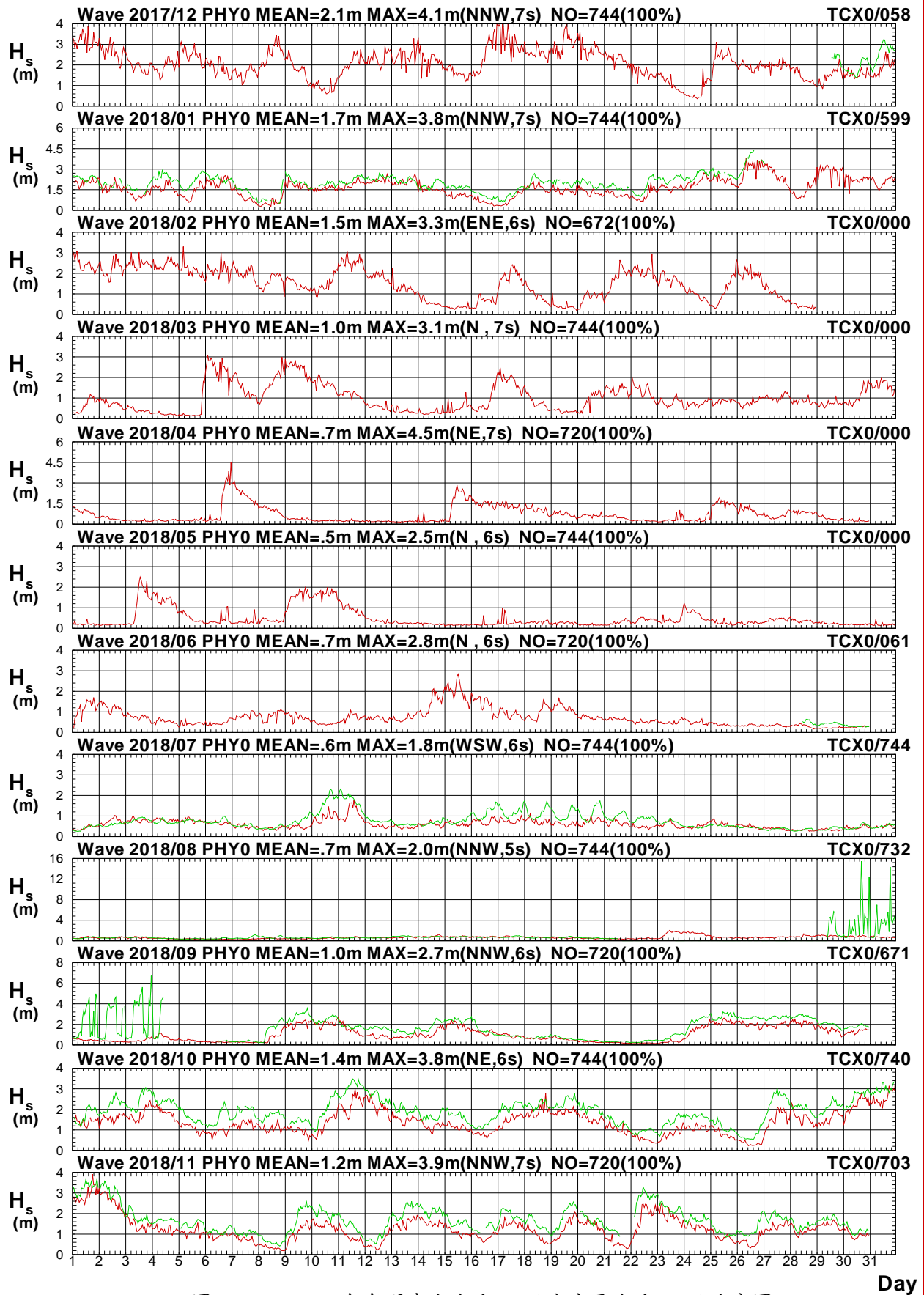


圖2.3.4a 2018年每月澎湖海域 Y 站與中雲海域 X 站波高圖

V17CPHY0.1HA V17CTCX0.1H0 V181PHY0.1HA V181TCX0.1H0 V182PHY0.1HA V182TCX0.1H0
 V183PHY0.1HA V183TCX0.1H0 V184PHY0.1HA V184TCX0.1H0 V185PHY0.1HA V185TCX0.1H0

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Wave T_p in Peng-Hu Harbor of PHY0 at 2018

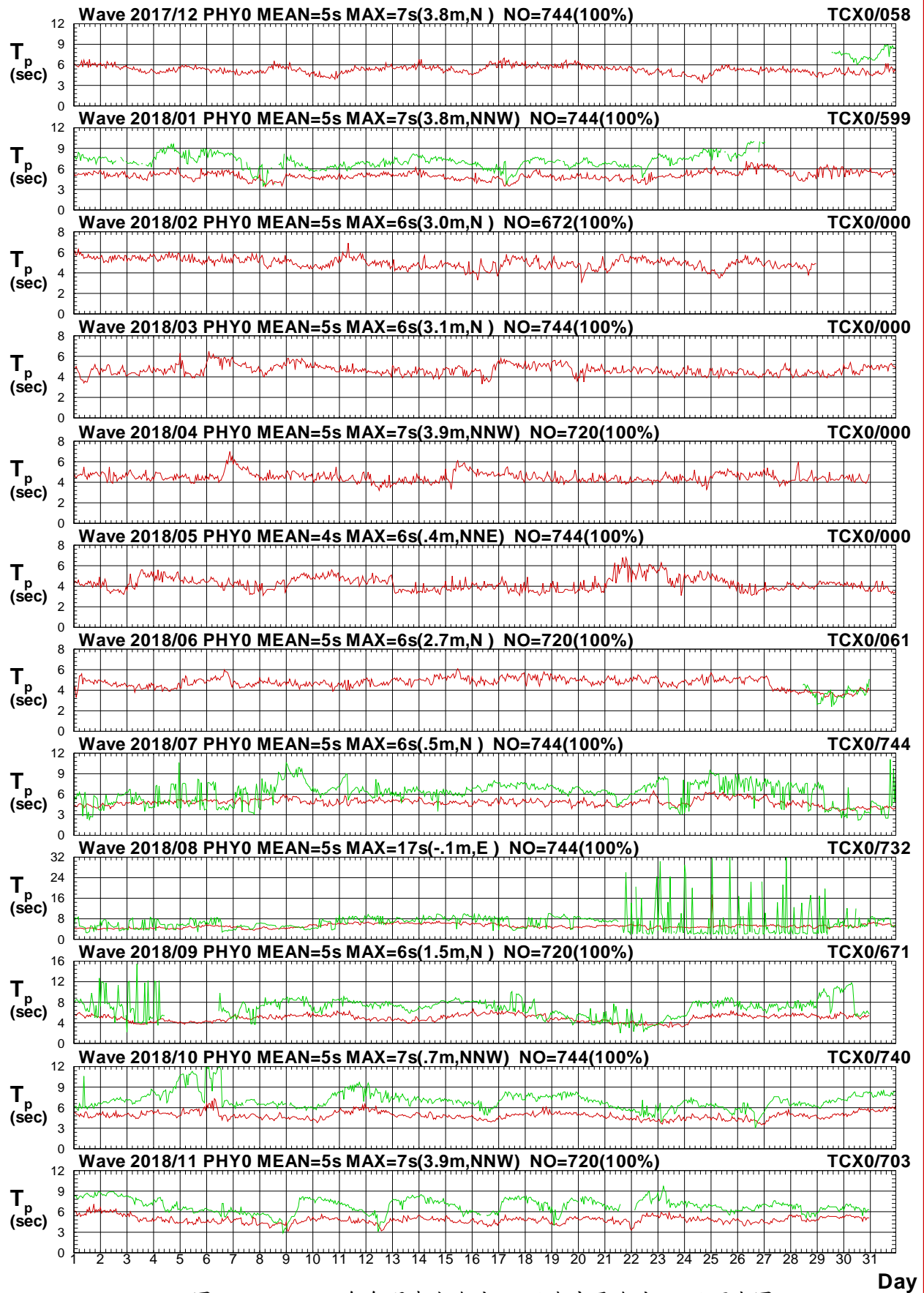


圖2.3.4b 2018年每月澎湖海域 Y 站與中雲海域 X 站週期圖

V17CPHY0.1HA V17CTCX0.1H0 V181PHY0.1HA V181TCX0.1H0 V182PHY0.1HA V182TCX0.1H0
 V183PHY0.1HA V183TCX0.1H0 V184PHY0.1HA V184TCX0.1H0 V185PHY0.1HA V185TCX0.1H0

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Wave Direction in Peng-Hu Harbor of PHY0 at 2018

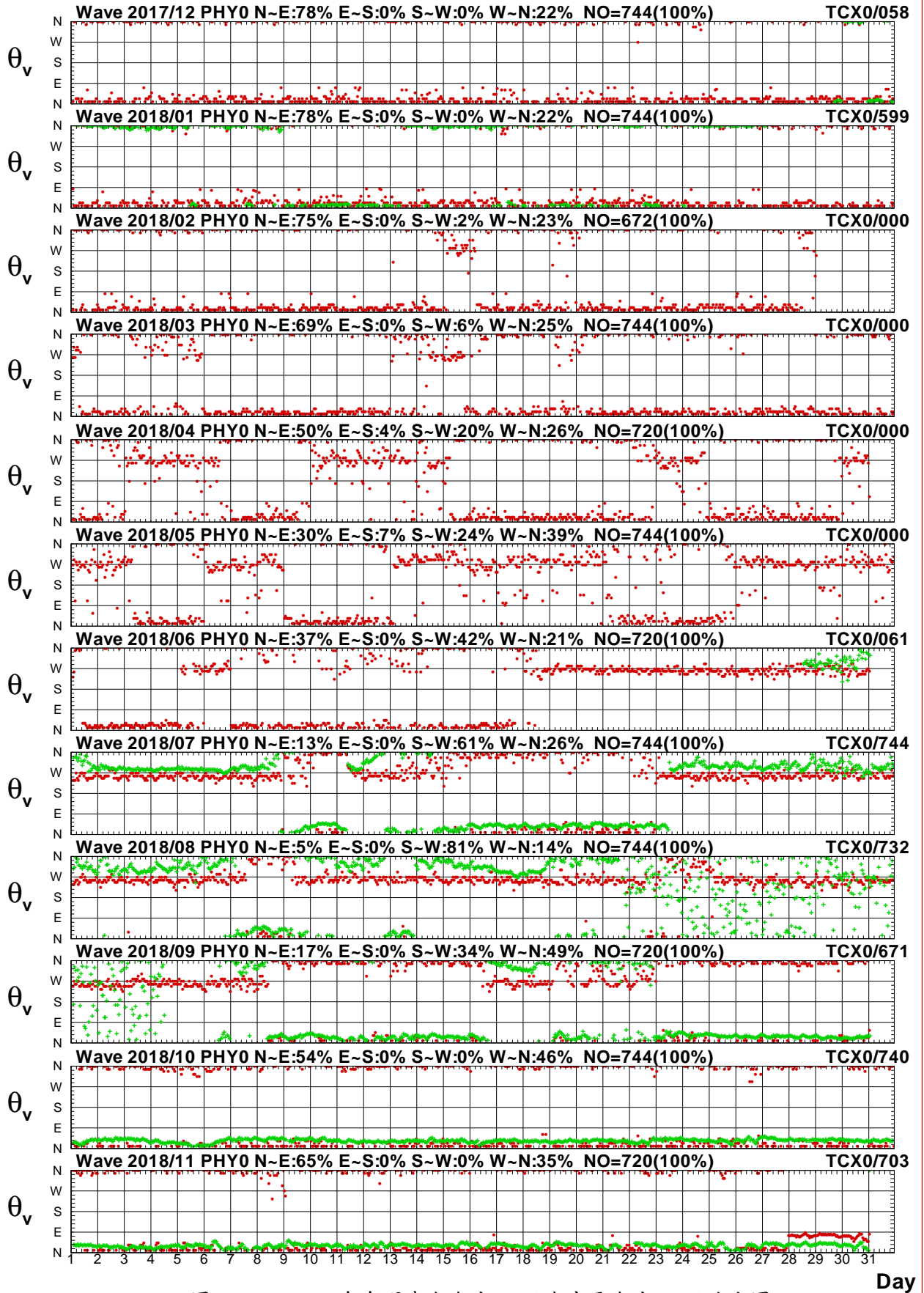


圖2.3.4c 2018年每月澎湖海域 Y 站與中雲海域 X 站波向圖

V17CPHY0.1HA V17CTCX0.1H0 V181PHY0.1HA V181TCX0.1H0 V182PHY0.1HA V182TCX0.1H0
 V183PHY0.1HA V183TCX0.1H0 V184PHY0.1HA V184TCX0.1H0 V185PHY0.1HA V185TCX0.1H0

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Wave H_s in Peng-Hu Harbor of PHY0 at 2018

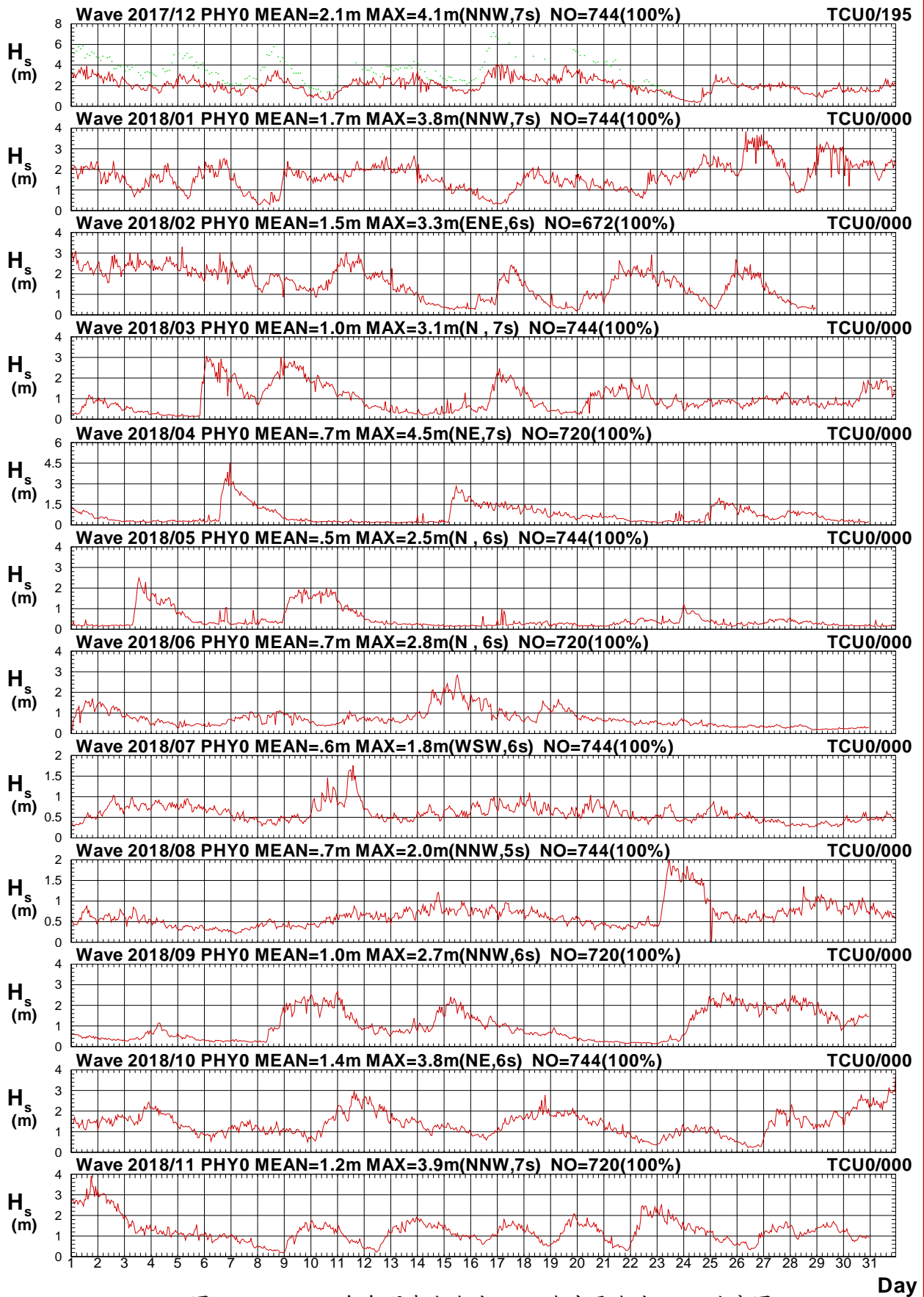


圖2.3.5a 2018年每月澎湖海域 Y 站與中雲海域 U 站波高圖

V17CPHY0.1HA V17CTCU0.1H0 V181PHY0.1HA V181TCU0.1H0 V182PHY0.1HA V182TCU0.1H0
 V183PHY0.1HA V183TCU0.1H0 V184PHY0.1HA V184TCU0.1H0 V185PHY0.1HA V185TCU0.1H0

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Wave T_p in Peng-Hu Harbor of PHY0 at 2018

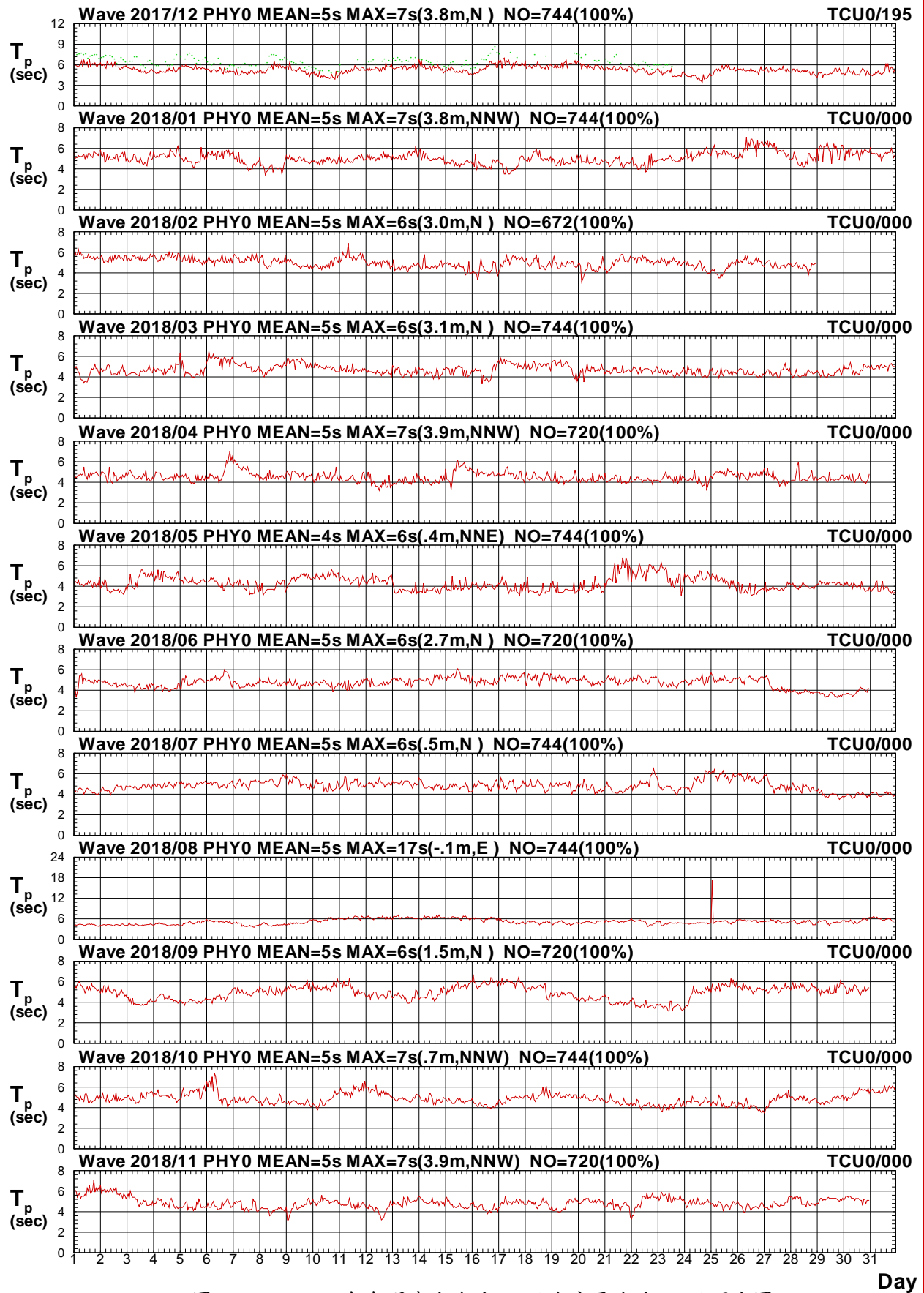


圖2.3.5b 2018年每月澎湖海域 Y 站與中雲海域 U 站週期圖

V17CPHY0.1HA V17CTCU0.1H0 V181PHY0.1HA V181TCU0.1H0 V182PHY0.1HA V182TCU0.1H0
 V183PHY0.1HA V183TCU0.1H0 V184PHY0.1HA V184TCU0.1H0 V185PHY0.1HA V185TCU0.1H0

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Wave Direction in Peng-Hu Harbor of PHY0 at 2018

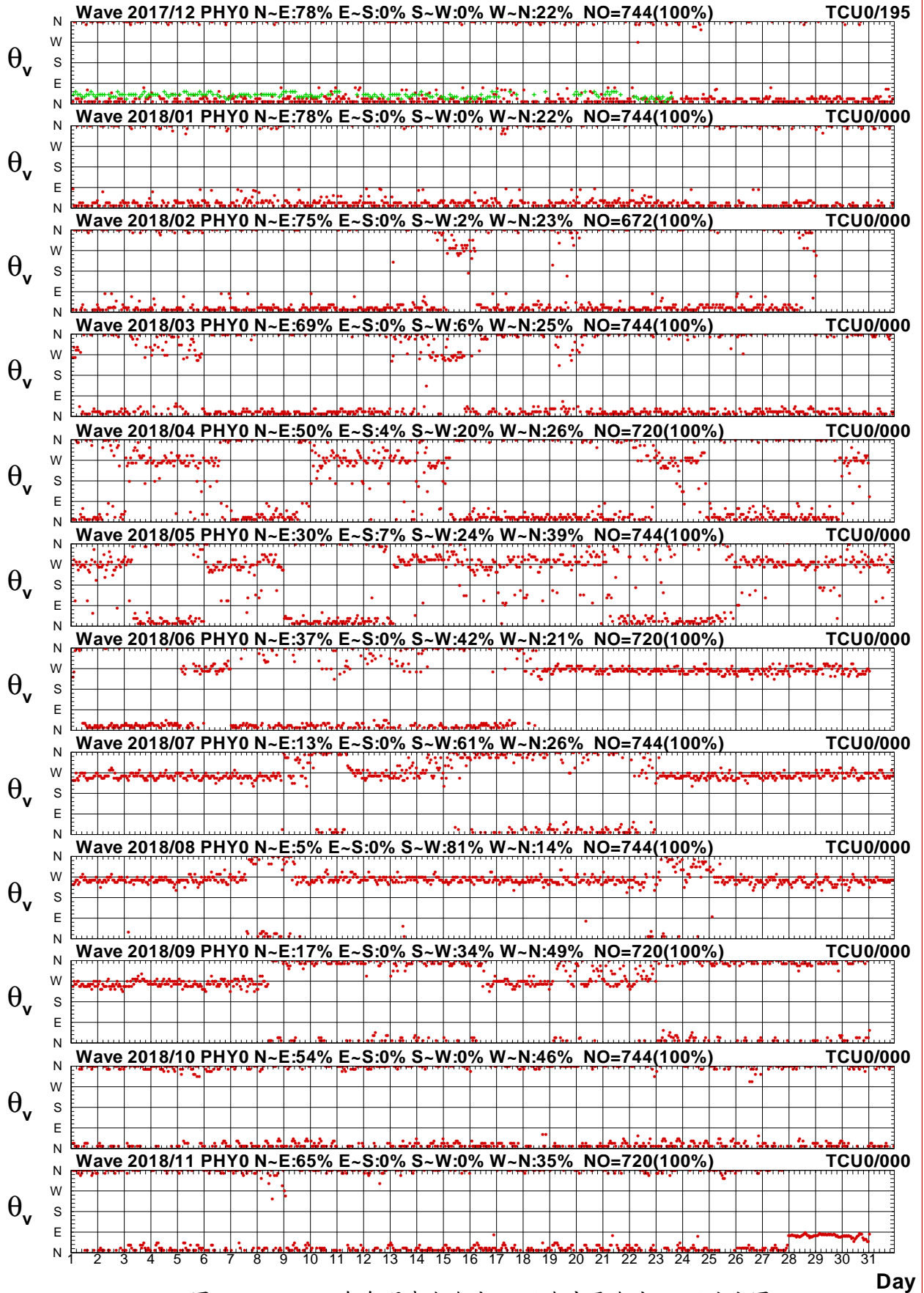


圖2.3.5c 2018年每月澎湖海域 Y 站與中雲海域 U 站波向圖

V17CPHY0.1HA V17CTCU0.1H0 V181PHY0.1HA V181TCU0.1H0 V182PHY0.1HA V182TCU0.1H0
 V183PHY0.1HA V183TCU0.1H0 V184PHY0.1HA V184TCU0.1H0 V185PHY0.1HA V185TCU0.1H0

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Wave H_s in Peng-Hu Harbor of PHY0 at 2018

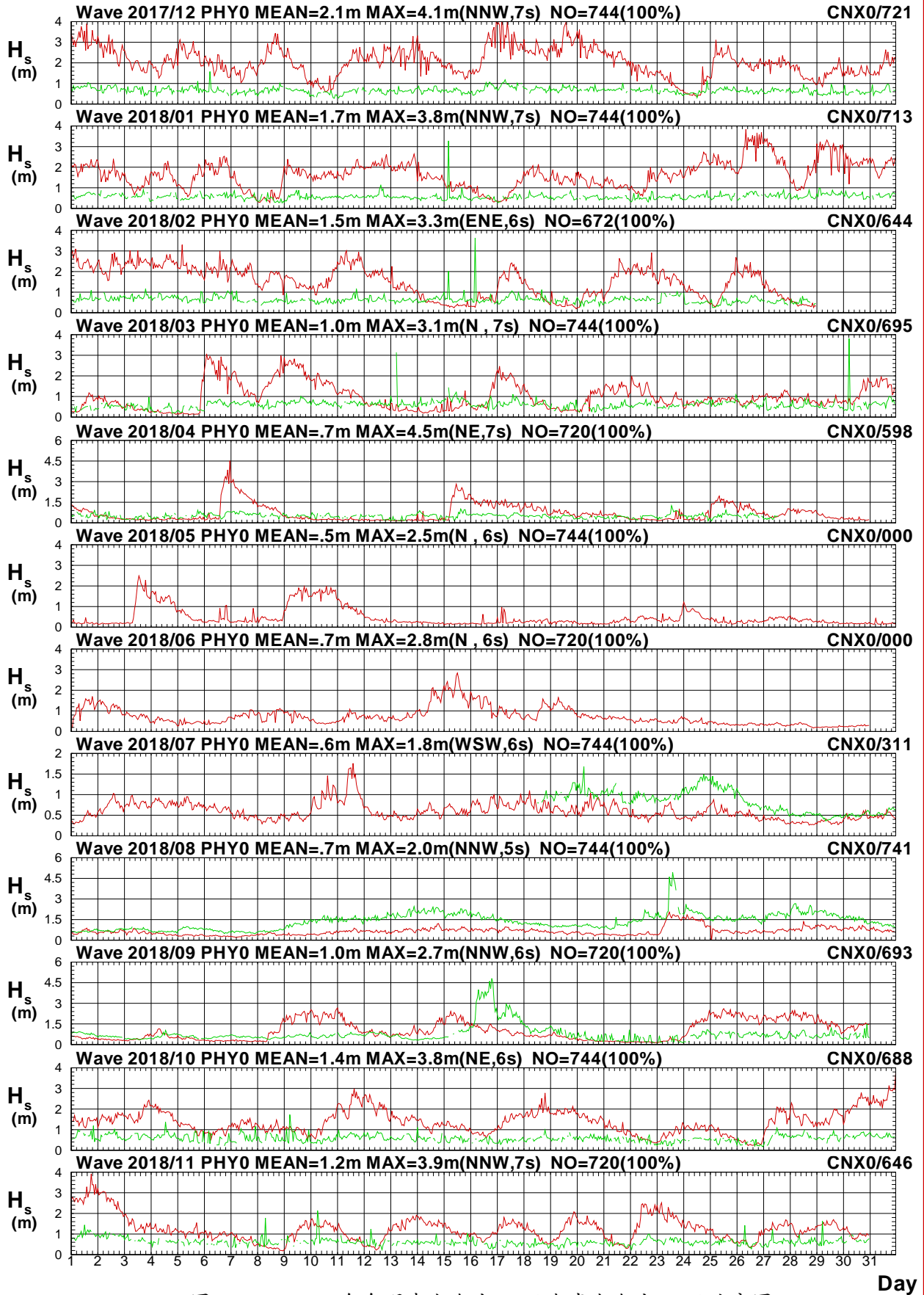


圖2.3.6a 2018年每月澎湖海域 Y 站與嘉南海域 X 站波高圖

V17CPHY0.1HA V17CCNX0.1H0 V181PHY0.1HA V181CNX0.1H0 V182PHY0.1HA V182CNX0.1H0
 V183PHY0.1HA V183CNX0.1H0 V184PHY0.1HA V184CNX0.1H0 V185PHY0.1HA V185CNX0.1H0

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Wave T_p in Peng-Hu Harbor of PHY0 at 2018

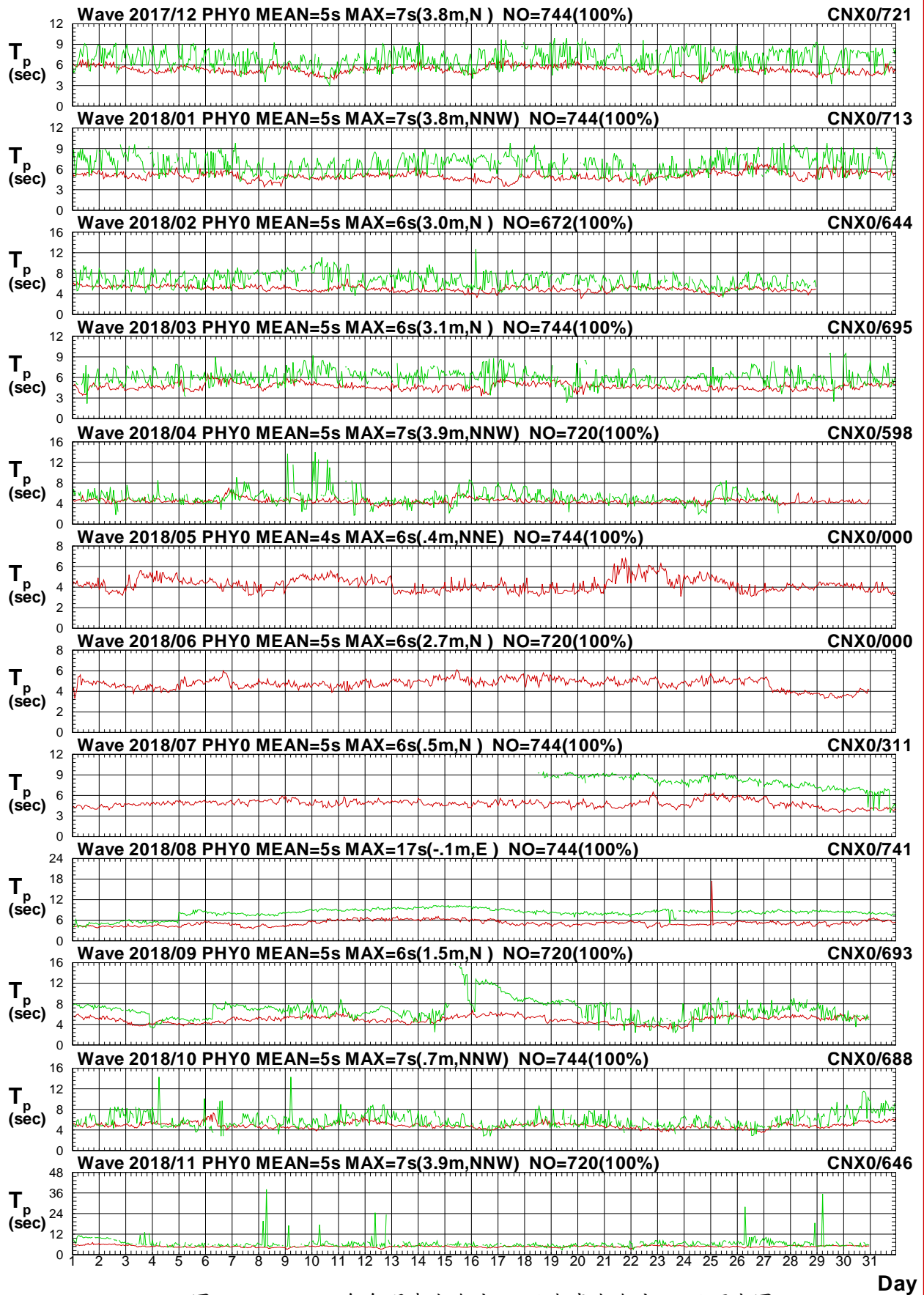


圖2.3.6b 2018年每月澎湖海域 Y 站與嘉南海域 X 站週期圖

V17CPHY0.1HA V17CCNX0.1H0 V181PHY0.1HA V181CNX0.1H0 V182PHY0.1HA V182CNX0.1H0
 V183PHY0.1HA V183CNX0.1H0 V184PHY0.1HA V184CNX0.1H0 V185PHY0.1HA V185CNX0.1H0

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Wave Direction in Peng-Hu Harbor of PHY0 at 2018

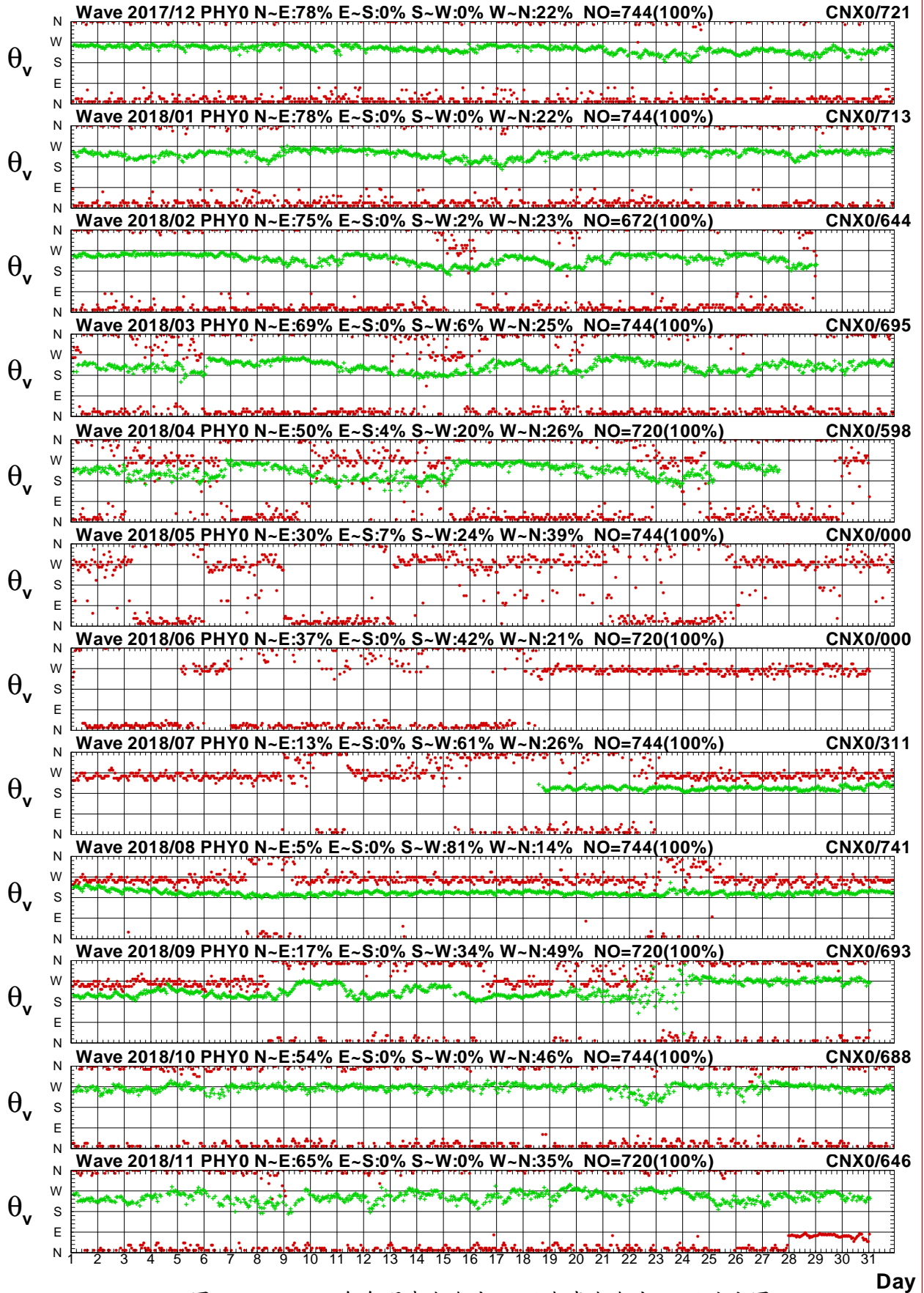


圖2.3.6c 2018年每月澎湖海域 Y 站與嘉南海域 X 站波向圖

V17CPHY0.1HA V17CCNX0.1H0 V181PHY0.1HA V181CNX0.1H0 V182PHY0.1HA V182CNX0.1H0
 V183PHY0.1HA V183CNX0.1H0 V184PHY0.1HA V184CNX0.1H0 V185PHY0.1HA V185CNX0.1H0

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Wave H_s in Peng-Hu Harbor of PHY0 at 2018

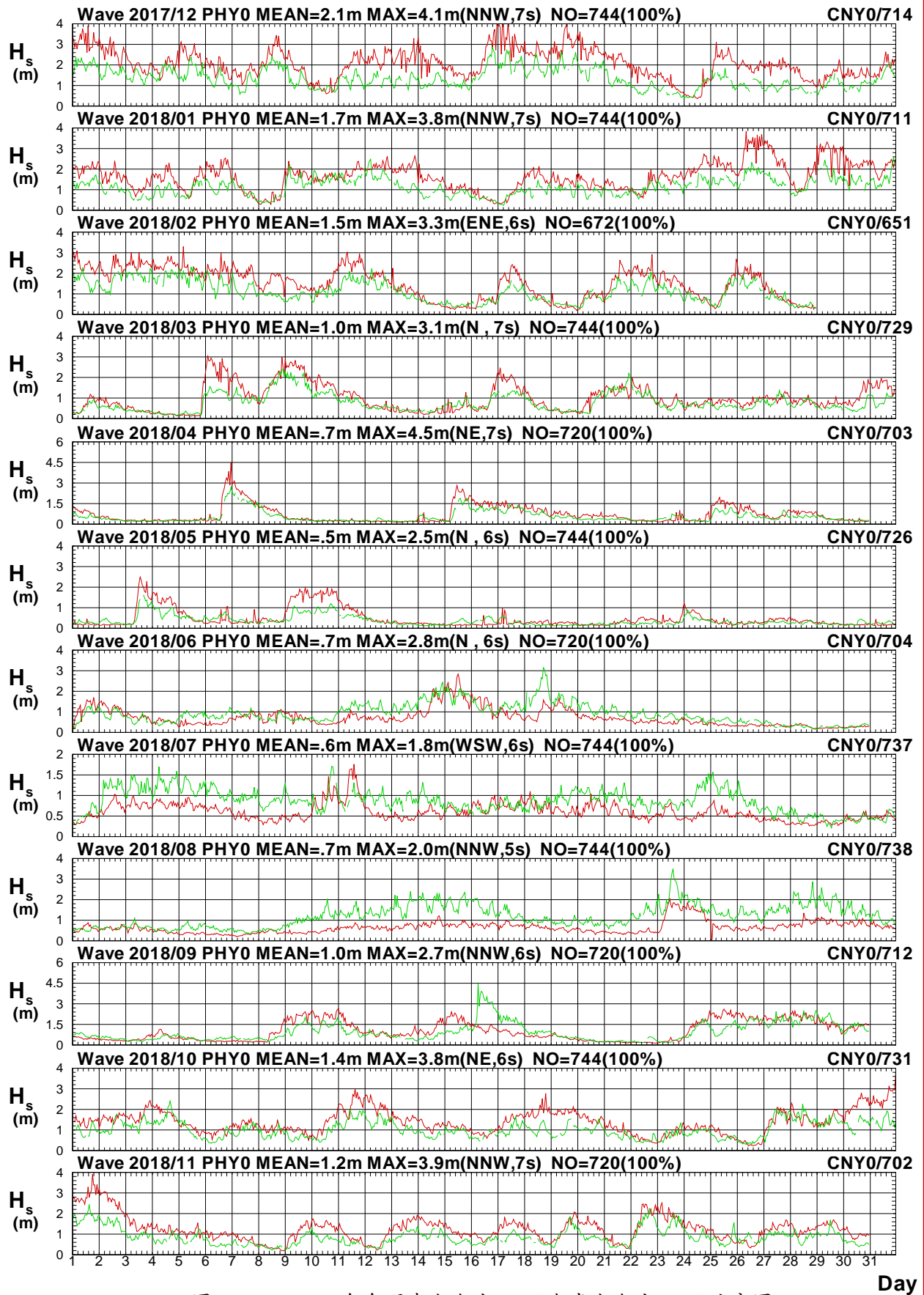


圖2.3.7a 2018年每月澎湖海域 Y 站與嘉南海域 Y 站波高圖

V17CPHY0.1HA V17CCNY0.1H0 V181PHY0.1HA V181CNY0.1H0 V182PHY0.1HA V182CNY0.1H0
 V183PHY0.1HA V183CNY0.1H0 V184PHY0.1HA V184CNY0.1H0 V185PHY0.1HA V185CNY0.1H0

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Wave T_p in Peng-Hu Harbor of PHY0 at 2018

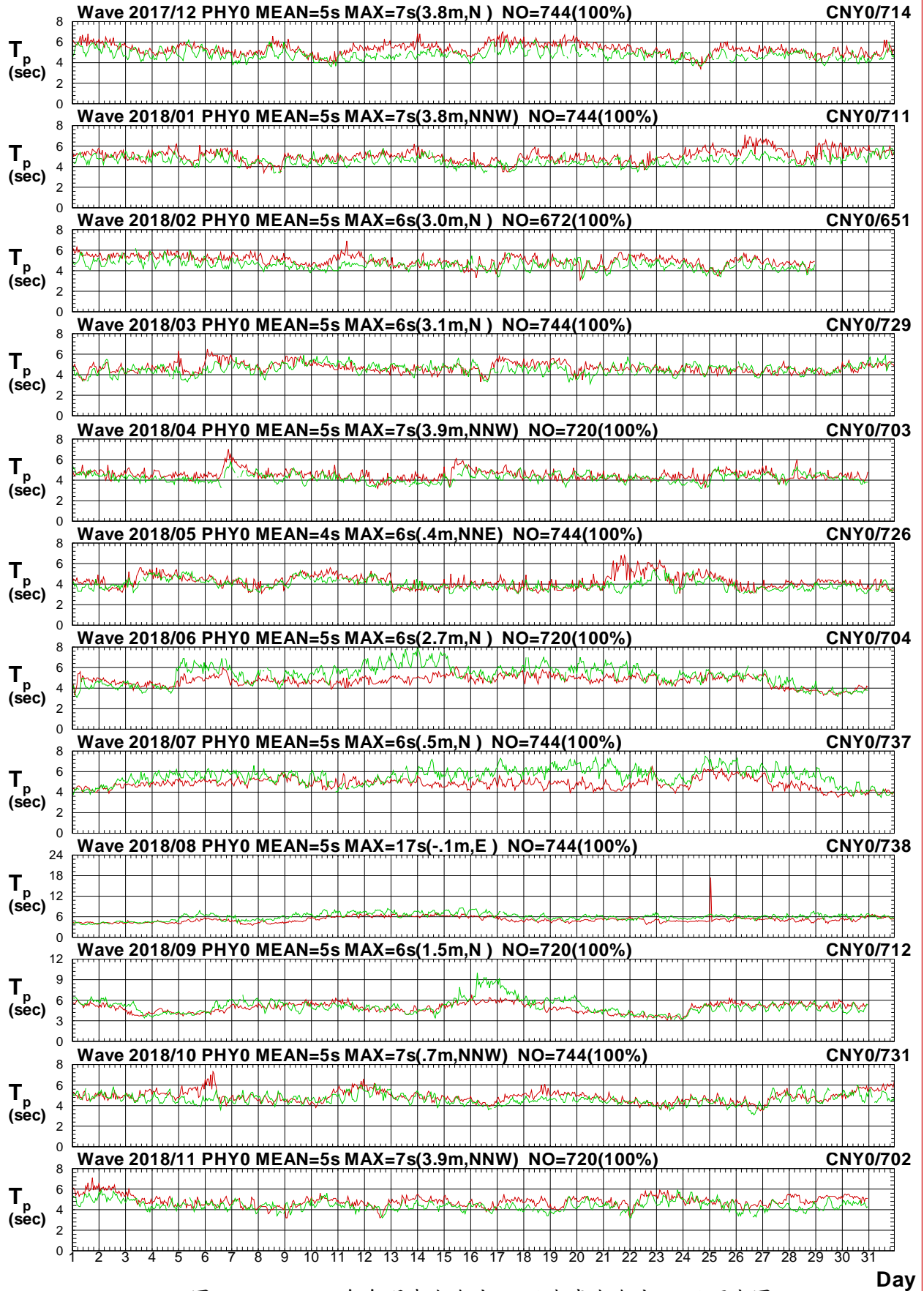


圖2.3.7b 2018年每月澎湖海域 Y 站與嘉南海域 Y 站週期圖

V17CPHY0.1HA V17CCNY0.1H0 V181PHY0.1HA V181CNY0.1H0 V182PHY0.1HA V182CNY0.1H0
 V183PHY0.1HA V183CNY0.1H0 V184PHY0.1HA V184CNY0.1H0 V185PHY0.1HA V185CNY0.1H0

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Wave Direction in Peng-Hu Harbor of PHY0 at 2018

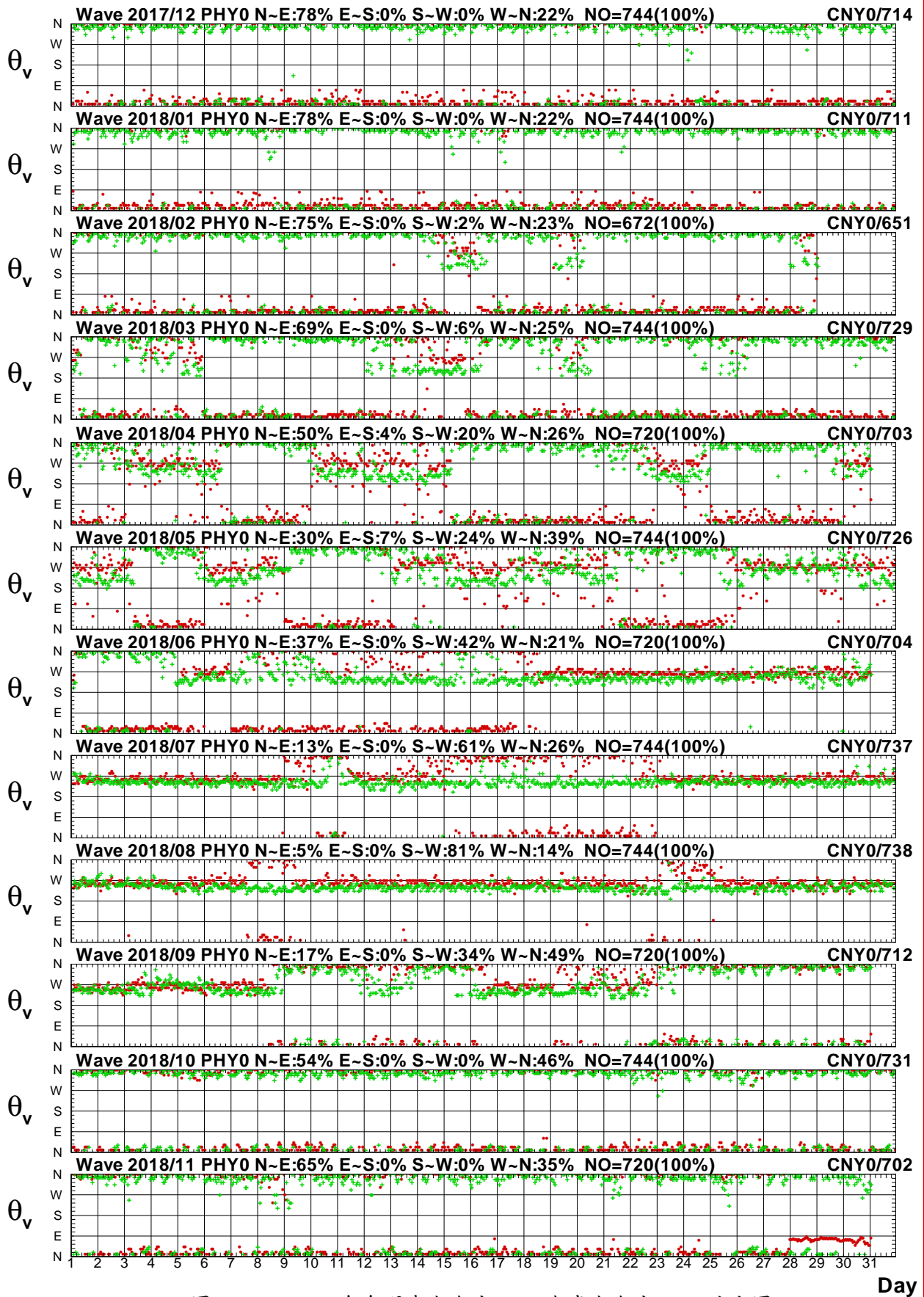


圖2.3.7c 2018年每月澎湖海域 Y 站與嘉南海域 Y 站波向圖

V17CPHY0.1HA V17CCNY0.1H0 V181PHY0.1HA V181CNY0.1H0 V182PHY0.1HA V182CNY0.1H0
 V183PHY0.1HA V183CNY0.1H0 V184PHY0.1HA V184CNY0.1H0 V185PHY0.1HA V185CNY0.1H0

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Wave H_s in Peng-Hu Harbor of PHY0 at 2018

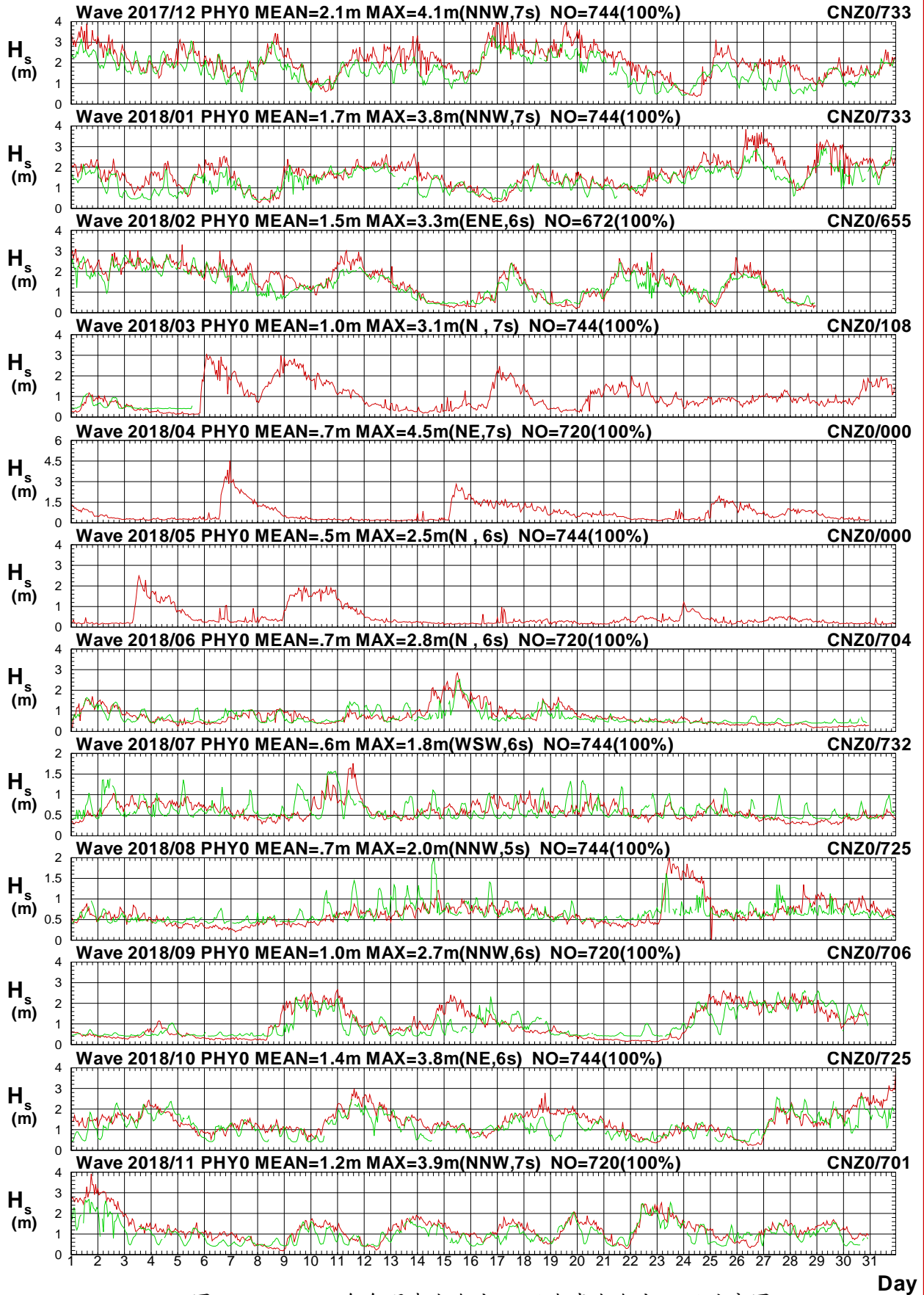


圖2.3.8a 2018年每月澎湖海域 Y 站與嘉南海域 Z 站波高圖

V17CPHY0.1HA V17CCNZ0.1H0 V181PHY0.1HA V181CNZ0.1H0 V182PHY0.1HA V182CNZ0.1H0
 V183PHY0.1HA V183CNZ0.1H0 V184PHY0.1HA V184CNZ0.1H0 V185PHY0.1HA V185CNZ0.1H0

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Wave T_p in Peng-Hu Harbor of PHY0 at 2018

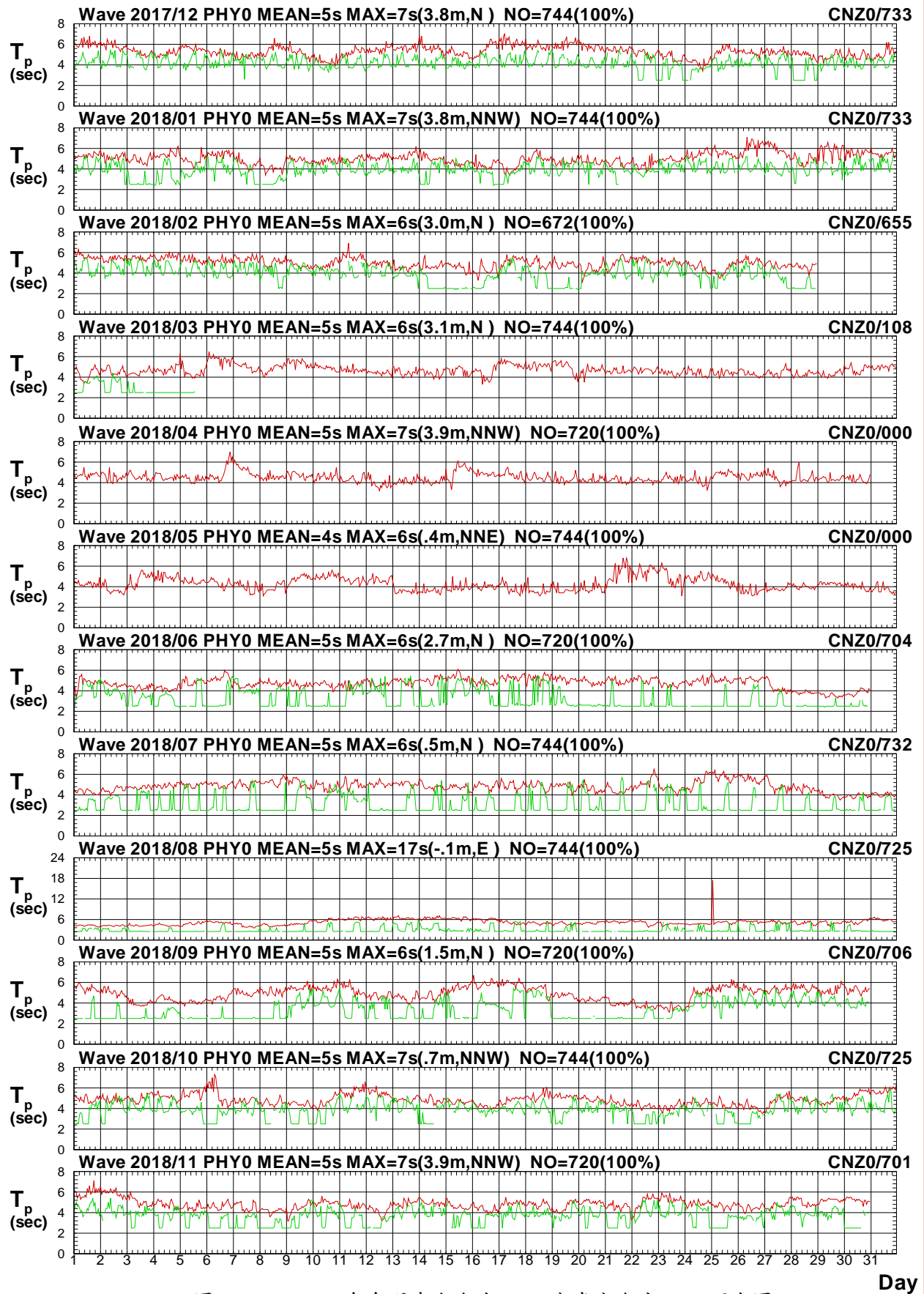


圖2.3.8b 2018年每月澎湖海域 Y 站與嘉南海域 Z 站週期圖

V17CPHY0.1HA V17CCNZ0.1H0 V181PHY0.1HA V181CNZ0.1H0 V182PHY0.1HA V182CNZ0.1H0
 V183PHY0.1HA V183CNZ0.1H0 V184PHY0.1HA V184CNZ0.1H0 V185PHY0.1HA V185CNZ0.1H0

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Wave Direction in Peng-Hu Harbor of PHY0 at 2018

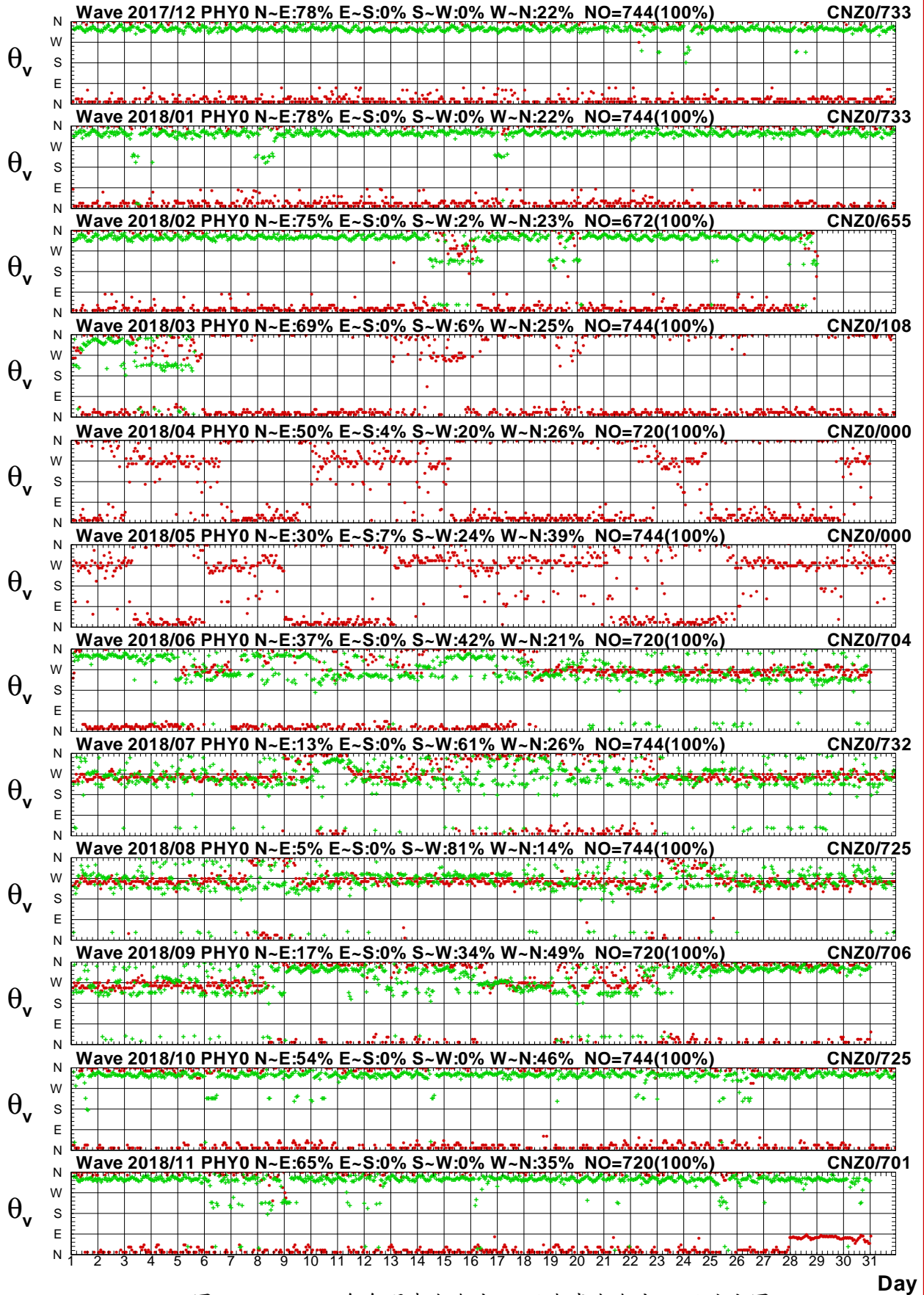


圖2.3.8c 2018年每月澎湖海域 Y 站與嘉南海域 Z 站波向圖

V17CPHY0.1HA V17CCNZ0.1H0 V181PHY0.1HA V181CNZ0.1H0 V182PHY0.1HA V182CNZ0.1H0
 V183PHY0.1HA V183CNZ0.1H0 V184PHY0.1HA V184CNZ0.1H0 V185PHY0.1HA V185CNZ0.1H0

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Wave H_s in Peng-Hu Harbor of PHY0 at 2018

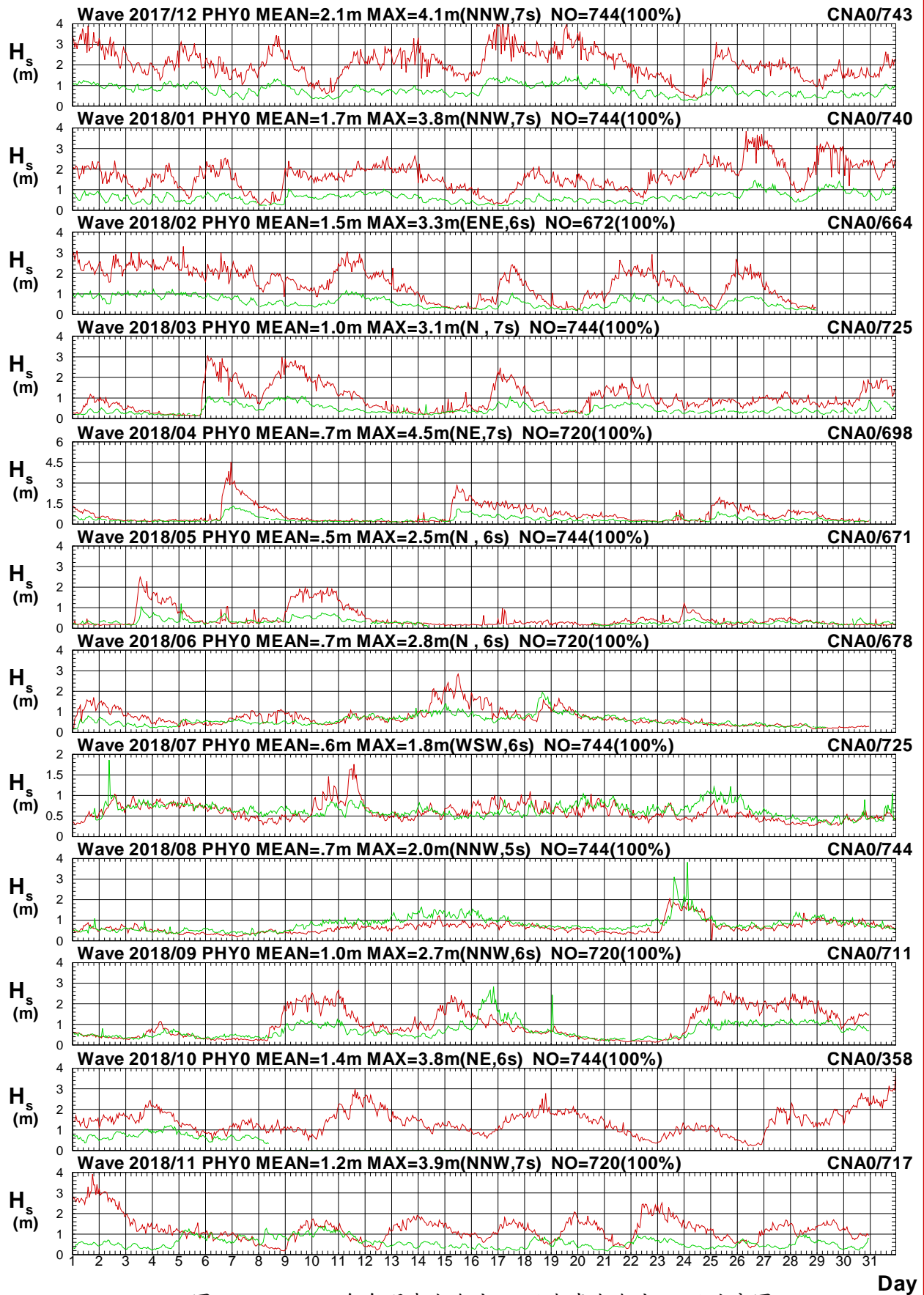


圖2.3.9a 2018年每月澎湖海域 Y 站與嘉南海域 A 站波高圖

V17CPHY0.1HA V17CCNA0.1H0 V181PHY0.1HA V181CNA0.1H0 V182PHY0.1HA V182CNA0.1H0
 V183PHY0.1HA V183CNA0.1H0 V184PHY0.1HA V184CNA0.1H0 V185PHY0.1HA V185CNA0.1H0

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Wave T_p in Peng-Hu Harbor of PHY0 at 2018

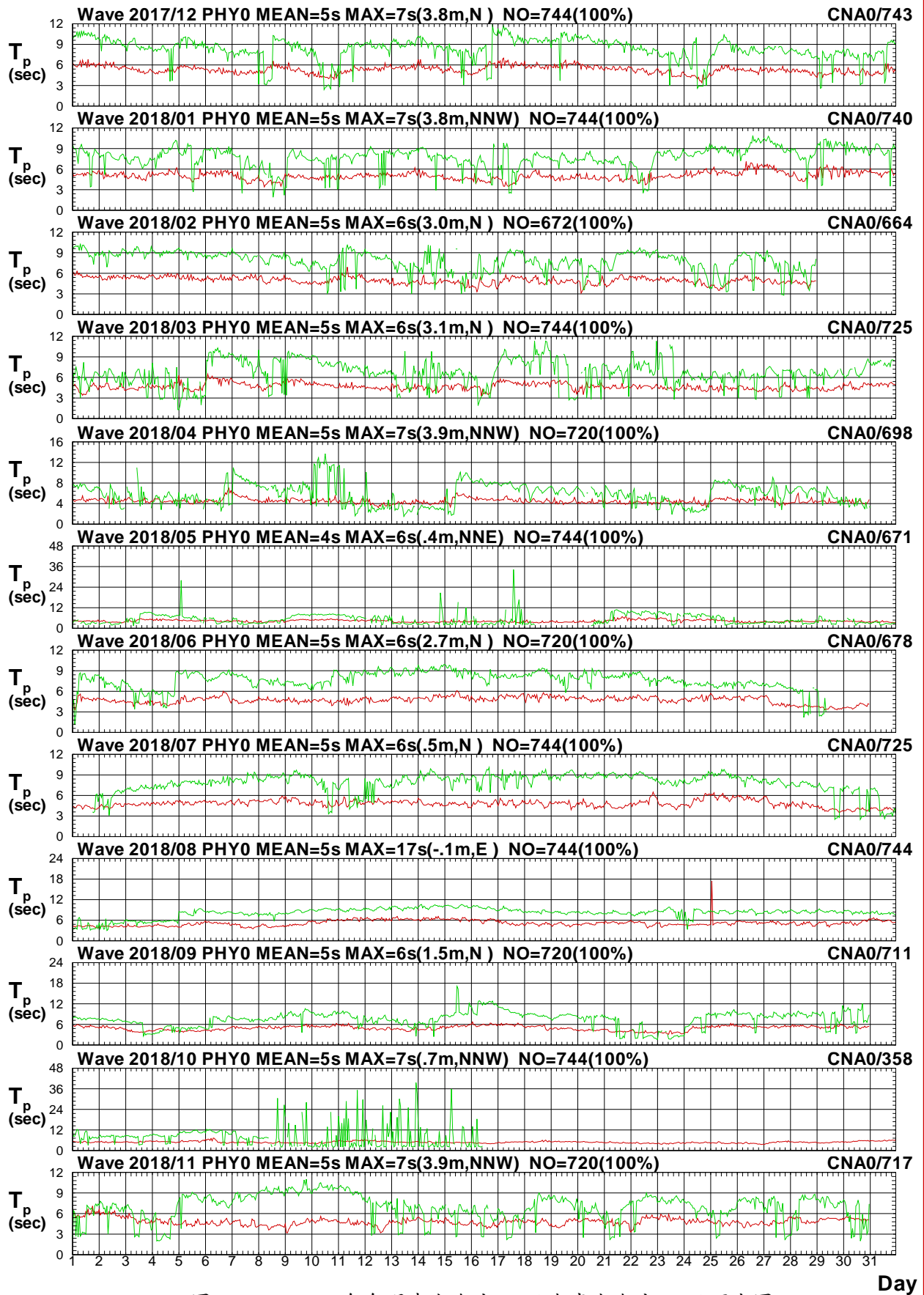


圖2.3.9b 2018年每月澎湖海域 Y 站與嘉南海域 A 站週期圖

V17CPHY0.1HA V17CCNA0.1H0 V181PHY0.1HA V181CNA0.1H0 V182PHY0.1HA V182CNA0.1H0
 V183PHY0.1HA V183CNA0.1H0 V184PHY0.1HA V184CNA0.1H0 V185PHY0.1HA V185CNA0.1H0

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Wave Direction in Peng-Hu Harbor of PHY0 at 2018

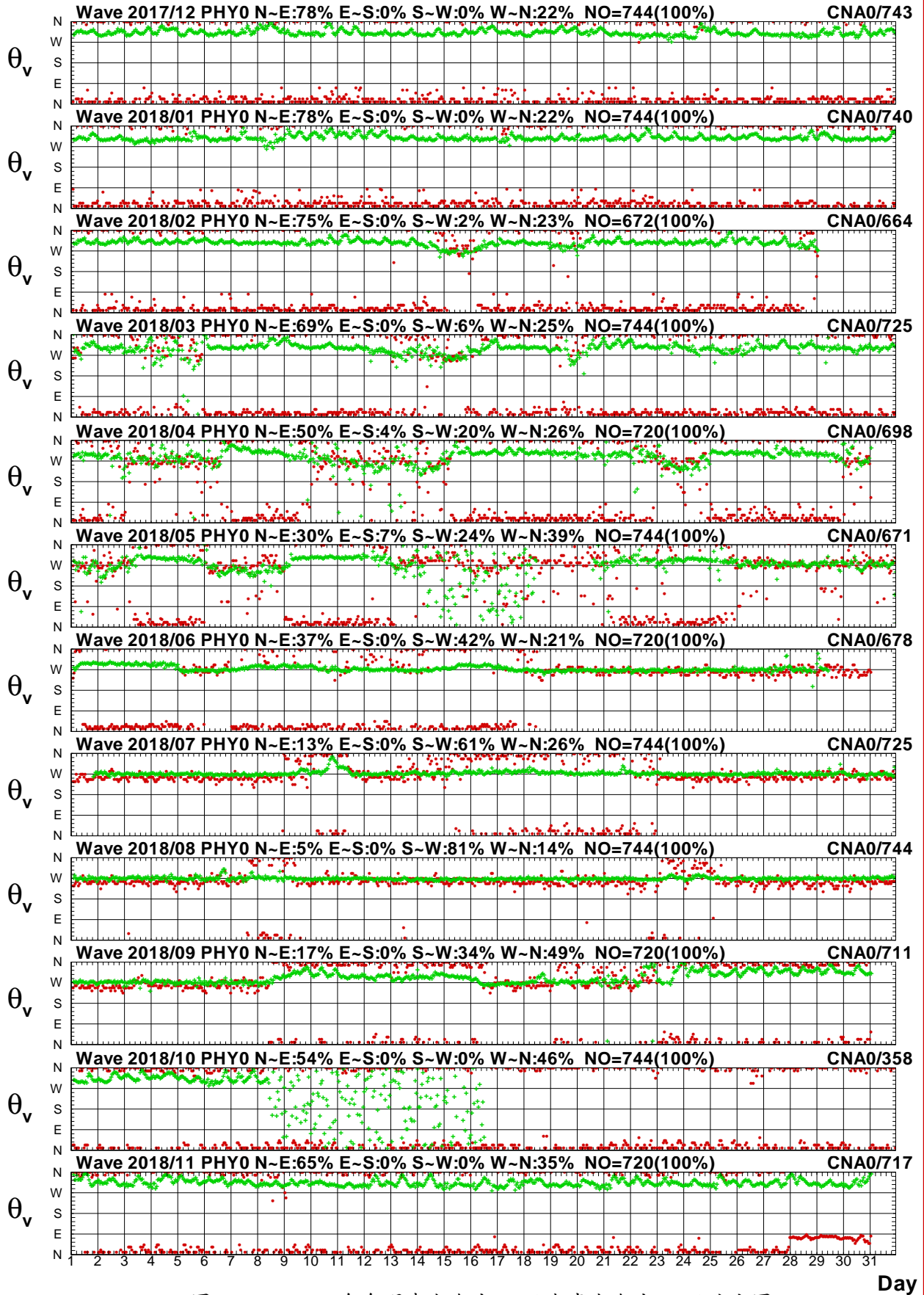


圖2.3.9c 2018年每月澎湖海域 Y 站與嘉南海域 A 站波向圖

V17CPHY0.1HA V17CCNA0.1H0 V181PHY0.1HA V181CNA0.1H0 V182PHY0.1HA V182CNA0.1H0
 V183PHY0.1HA V183CNA0.1H0 V184PHY0.1HA V184CNA0.1H0 V185PHY0.1HA V185CNA0.1H0

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Wave H_s in Peng-Hu Harbor of PHY0 at 2018

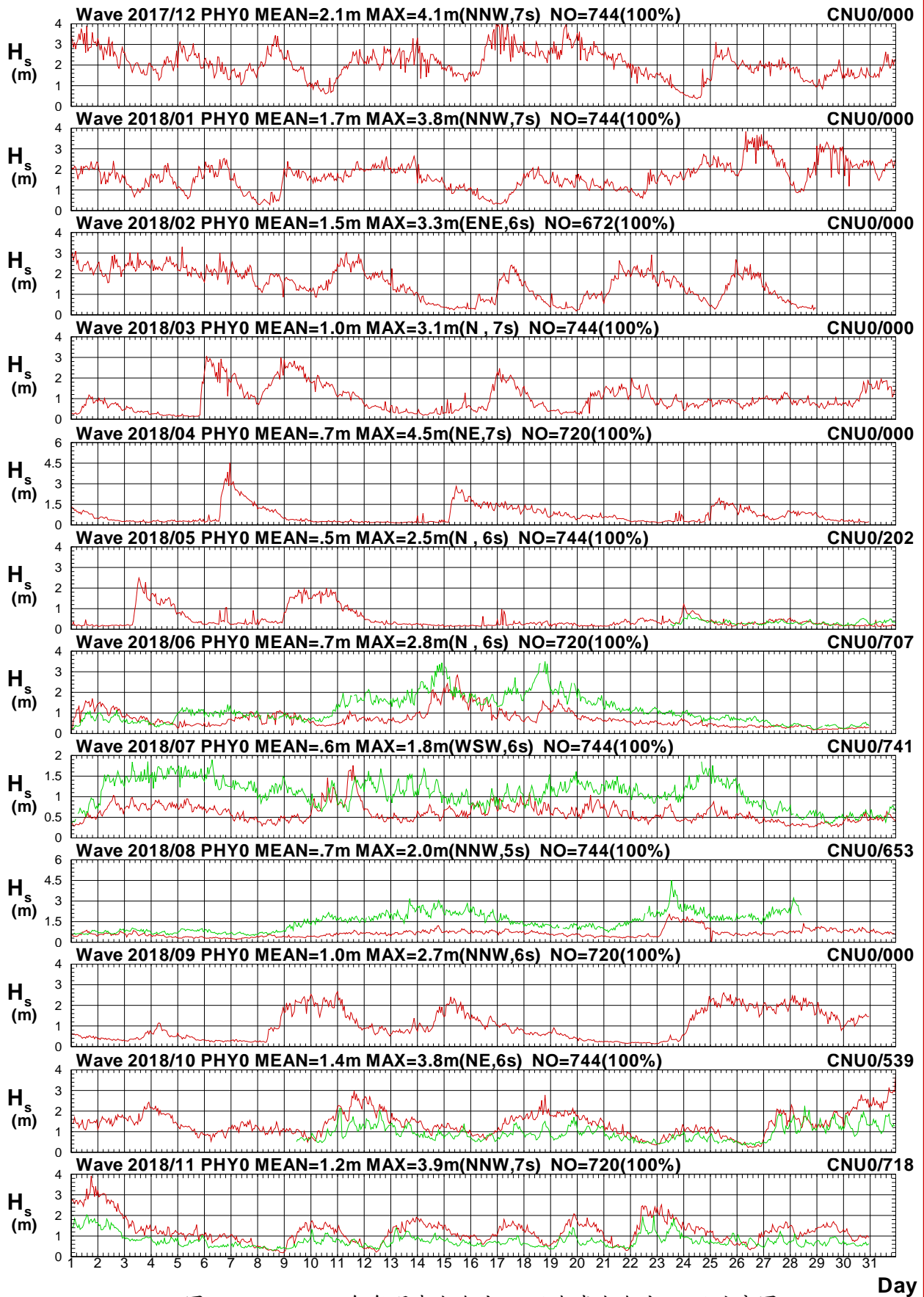


圖2.3.10a 2018年每月澎湖海域 Y 站與嘉南海域 U 站波高圖

V17CPHY0.1HA V17CCNU0.1H0 V181PHY0.1HA V181CNU0.1H0 V182PHY0.1HA V182CNU0.1H0
 V183PHY0.1HA V183CNU0.1H0 V184PHY0.1HA V184CNU0.1H0 V185PHY0.1HA V185CNU0.1H0

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Wave T_p in Peng-Hu Harbor of PHY0 at 2018

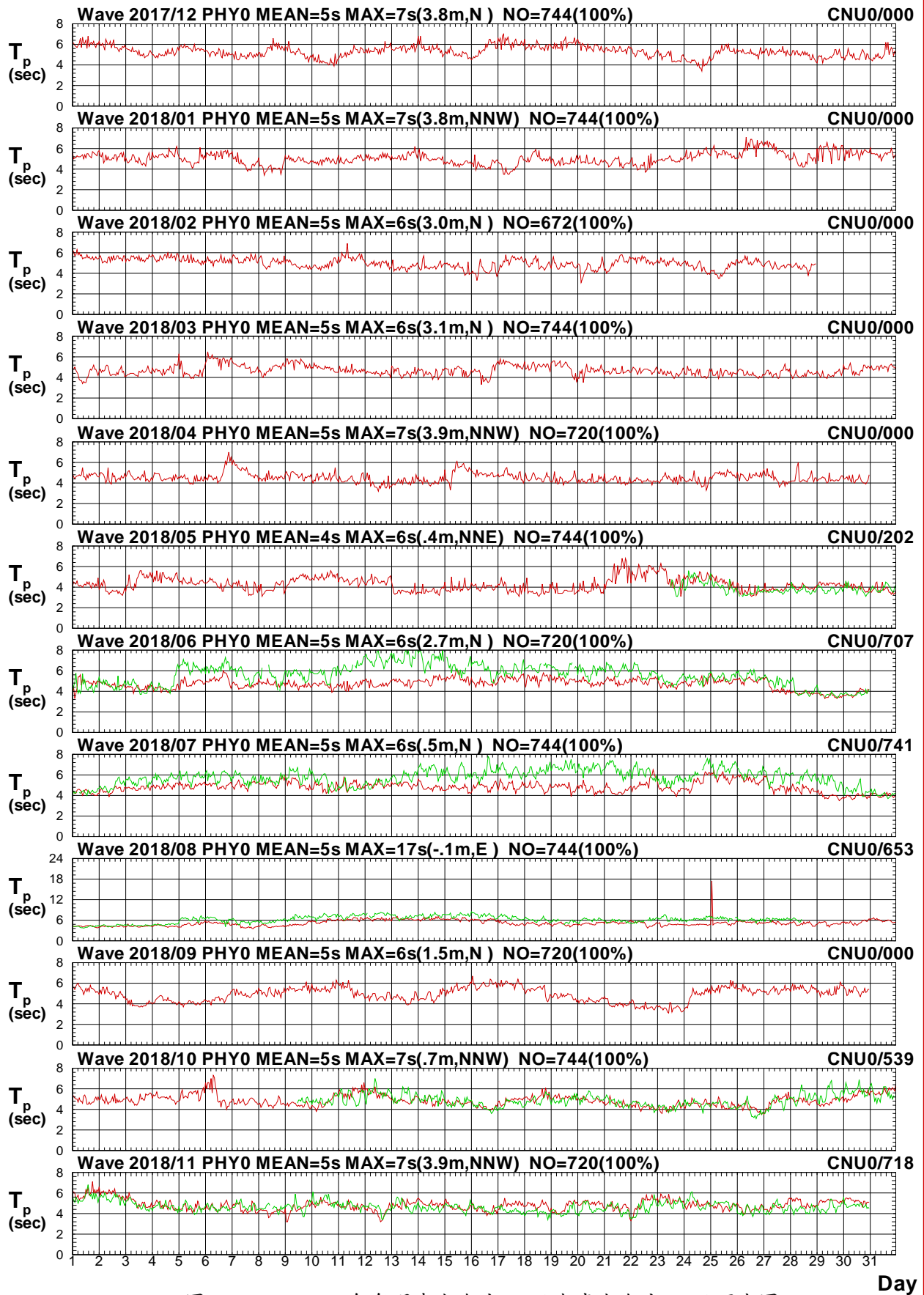


圖 2.3.10b 2018 年每月澎湖海域 Y 站與嘉南海域 U 站週期圖

V17CPHY0.1HA V17CCNU0.1H0 V181PHY0.1HA V181CNU0.1H0 V182PHY0.1HA V182CNU0.1H0
 V183PHY0.1HA V183CNU0.1H0 V184PHY0.1HA V184CNU0.1H0 V185PHY0.1HA V185CNU0.1H0

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Wave Direction in Peng-Hu Harbor of PHY0 at 2018

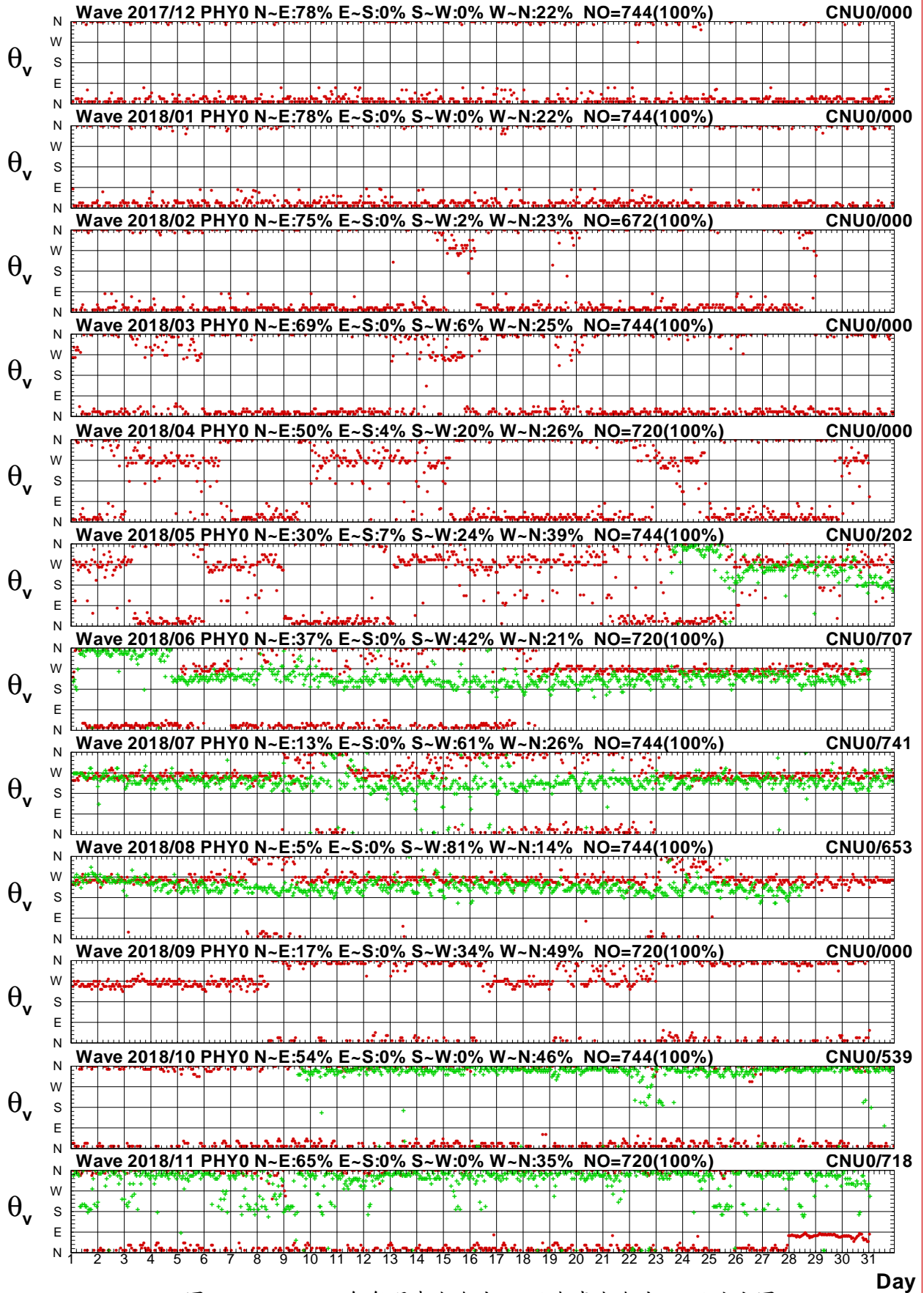


圖2.3.10c 2018年每月澎湖海域 Y 站與嘉南海域 U 站波向圖

V17CPHY0.1HA V17CCNU0.1H0 V181PHY0.1HA V181CNU0.1H0 V182PHY0.1HA V182CNU0.1H0
 V183PHY0.1HA V183CNU0.1H0 V184PHY0.1HA V184CNU0.1H0 V185PHY0.1HA V185CNU0.1H0

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2.4 2018 年澎湖海域波浪**主要測站 2**(修補後)與 **其他測站**(修補前)每月波浪歷線比較圖

Wave H_s in Peng-Hu Harbor of PHX0 at 2018

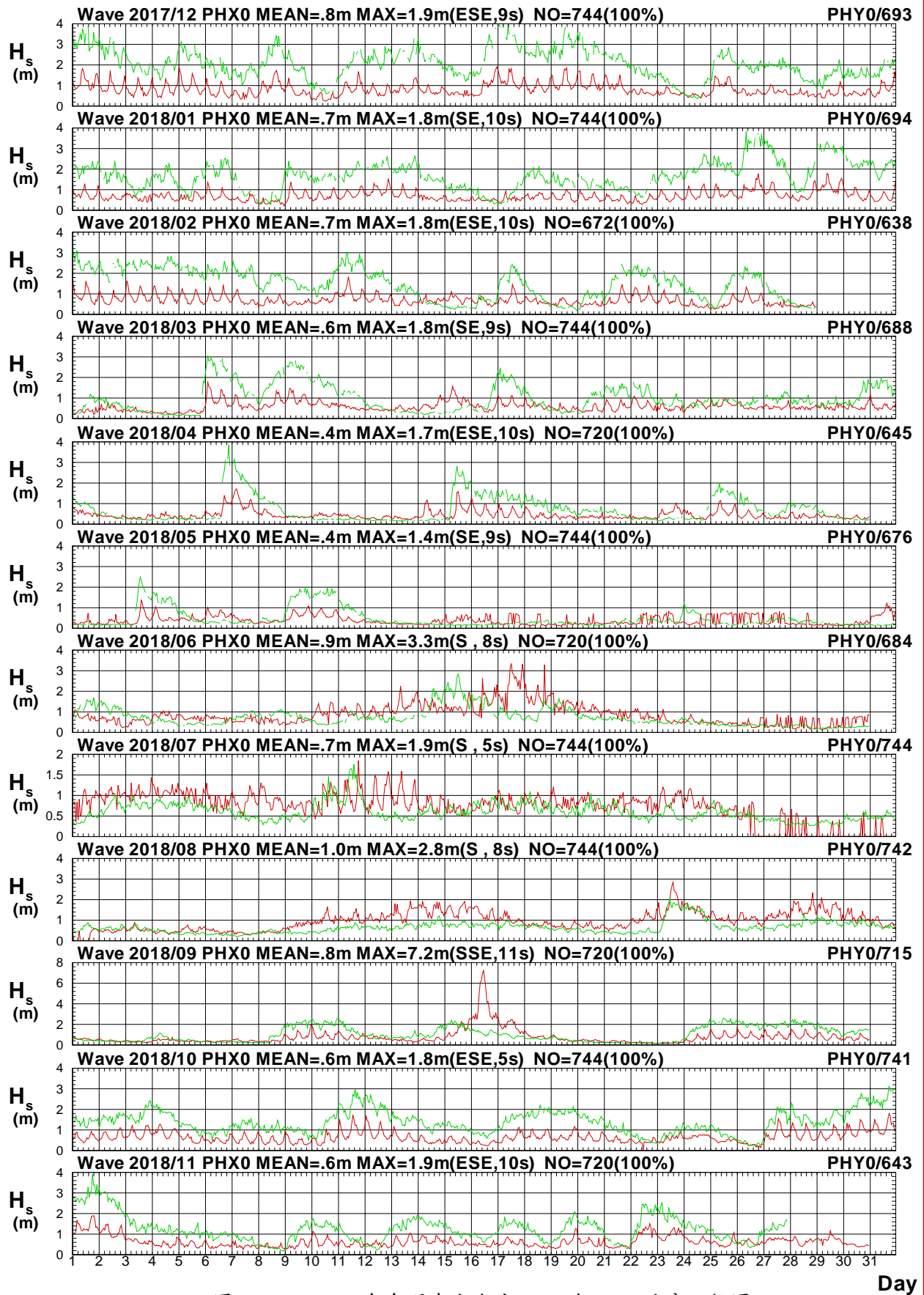


圖2.4.1a 2018年每月澎湖海域 X 站與 Y 站波高比較圖

V17CPHX0.1HA V17CPHY0.1H0 V181PHX0.1HA V181PHY0.1H0 V182PHX0.1HA V182PHY0.1H0
 V183PHX0.1HA V183PHY0.1H0 V184PHX0.1HA V184PHY0.1H0 V185PHX0.1HA V185PHY0.1H0

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Wave T_p in Peng-Hu Harbor of PHX0 at 2018

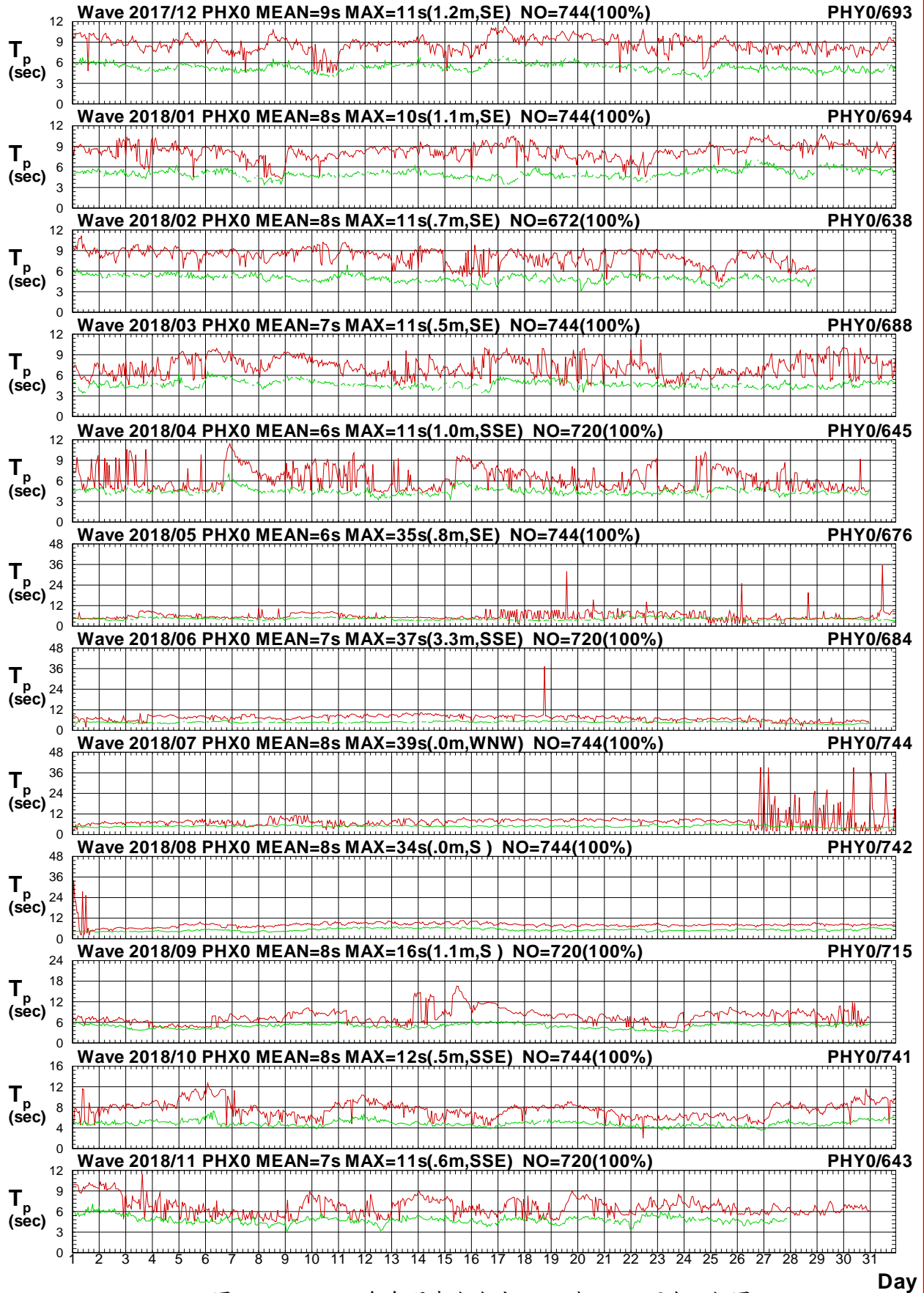


圖2.4.1b 2018年每月澎湖海域 X 站與 Y 站週期比較圖

V17CPHX0.1HA V17CPHY0.1H0 V181PHX0.1HA V181PHY0.1H0 V182PHX0.1HA V182PHY0.1H0
 V183PHX0.1HA V183PHY0.1H0 V184PHX0.1HA V184PHY0.1H0 V185PHX0.1HA V185PHY0.1H0

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Wave Direction in Peng-Hu Harbor of PHX0 at 2018

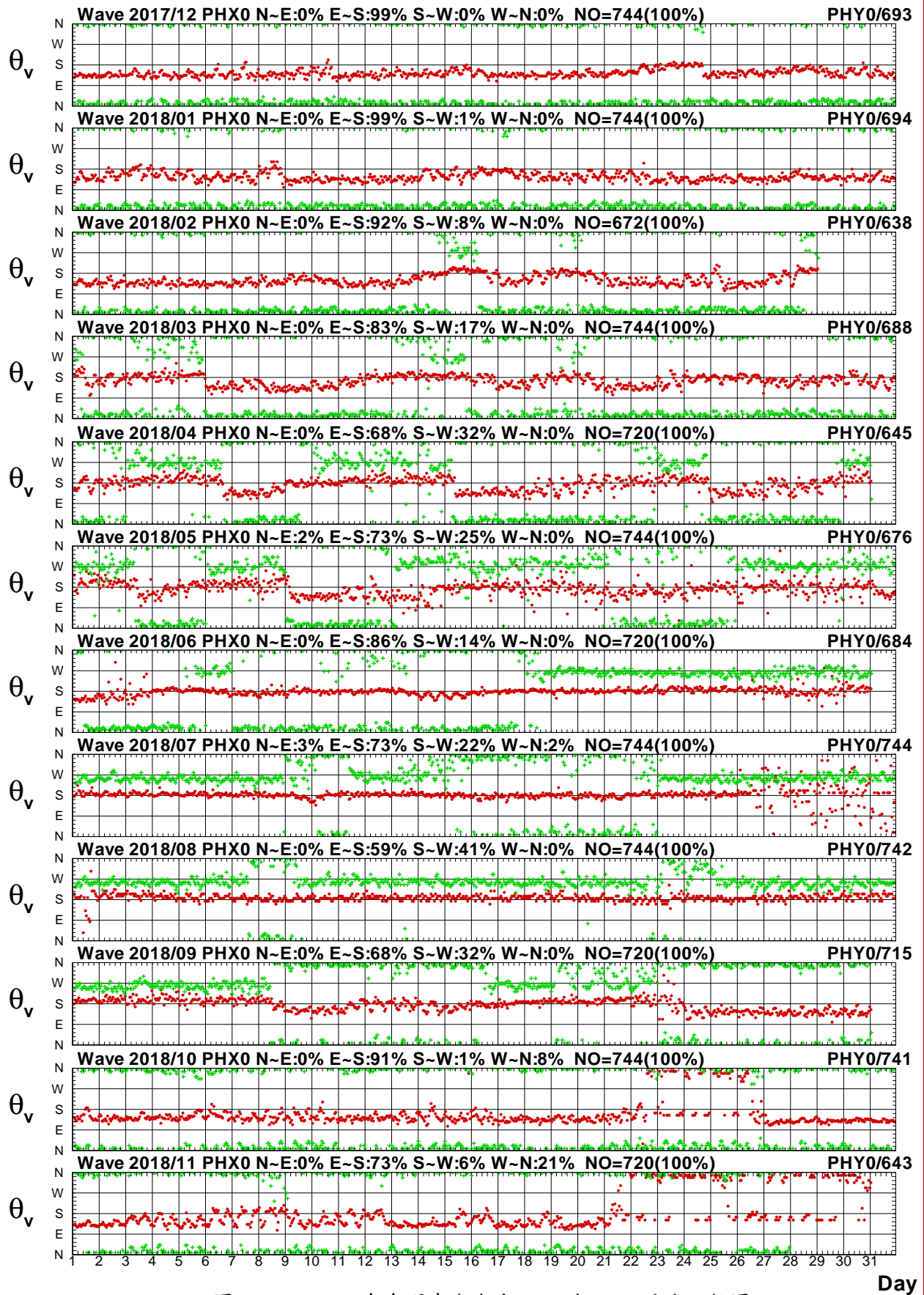


圖2.4.1c 2018年每月澎湖海域 X 站與 Y 站波向比較圖

V17CPHX0.1HA V17CPHY0.1H0 V181PHX0.1HA V181PHY0.1H0 V182PHX0.1HA V182PHY0.1H0
 V183PHX0.1HA V183PHY0.1H0 V184PHX0.1HA V184PHY0.1H0 V185PHX0.1HA V185PHY0.1H0

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Wave H_s in Peng-Hu Harbor of PHX0 at 2018

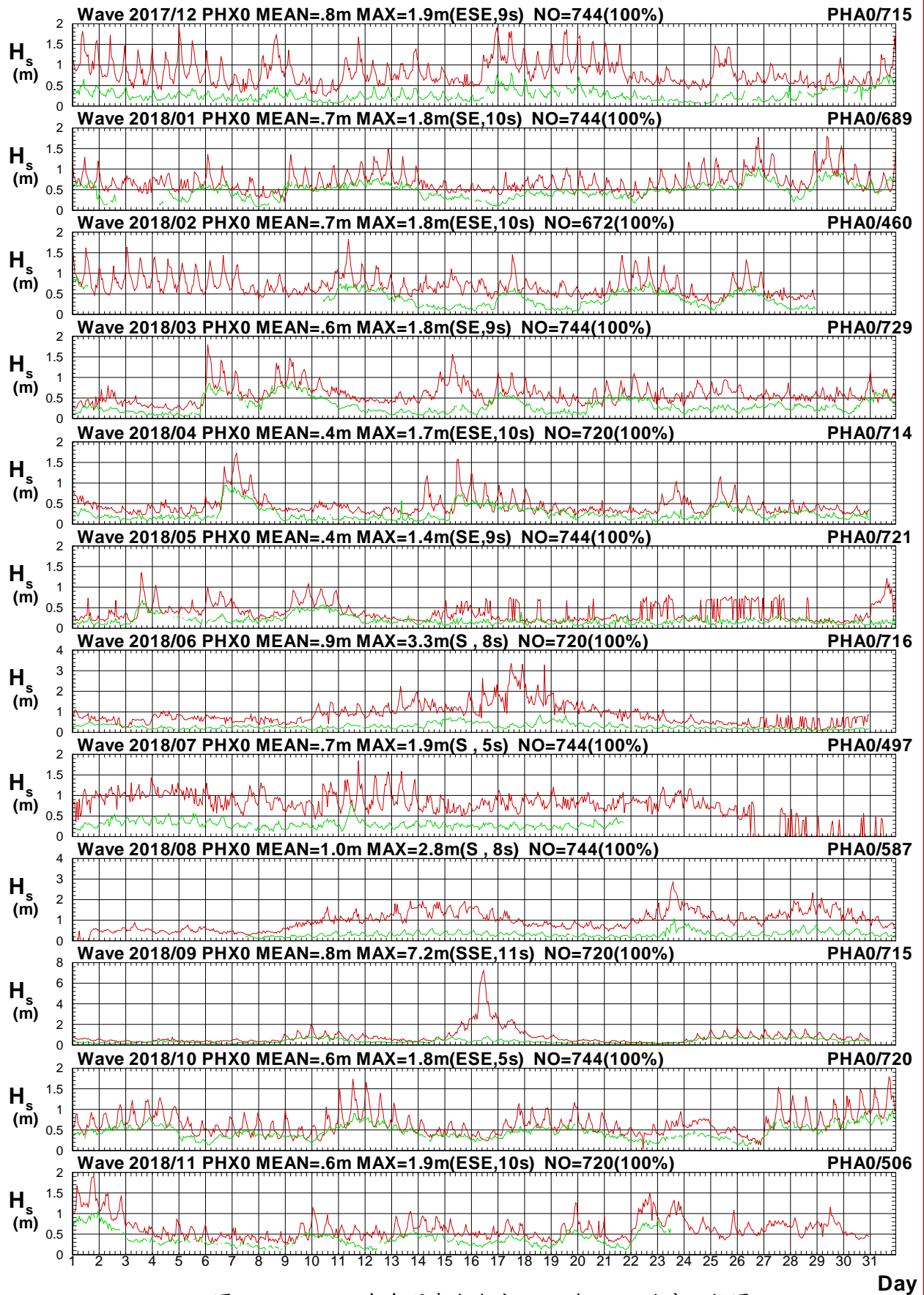


圖2.4.2a 2018年每月澎湖海域 X 站與 A 站波高比較圖

V17CPHX0.1HA V17CPHA0.1H0 V181PHX0.1HA V181PHA0.1H0 V182PHX0.1HA V182PHA0.1H0
 V183PHX0.1HA V183PHA0.1H0 V184PHX0.1HA V184PHA0.1H0 V185PHX0.1HA V185PHA0.1H0

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Wave T_p in Peng-Hu Harbor of PHX0 at 2018

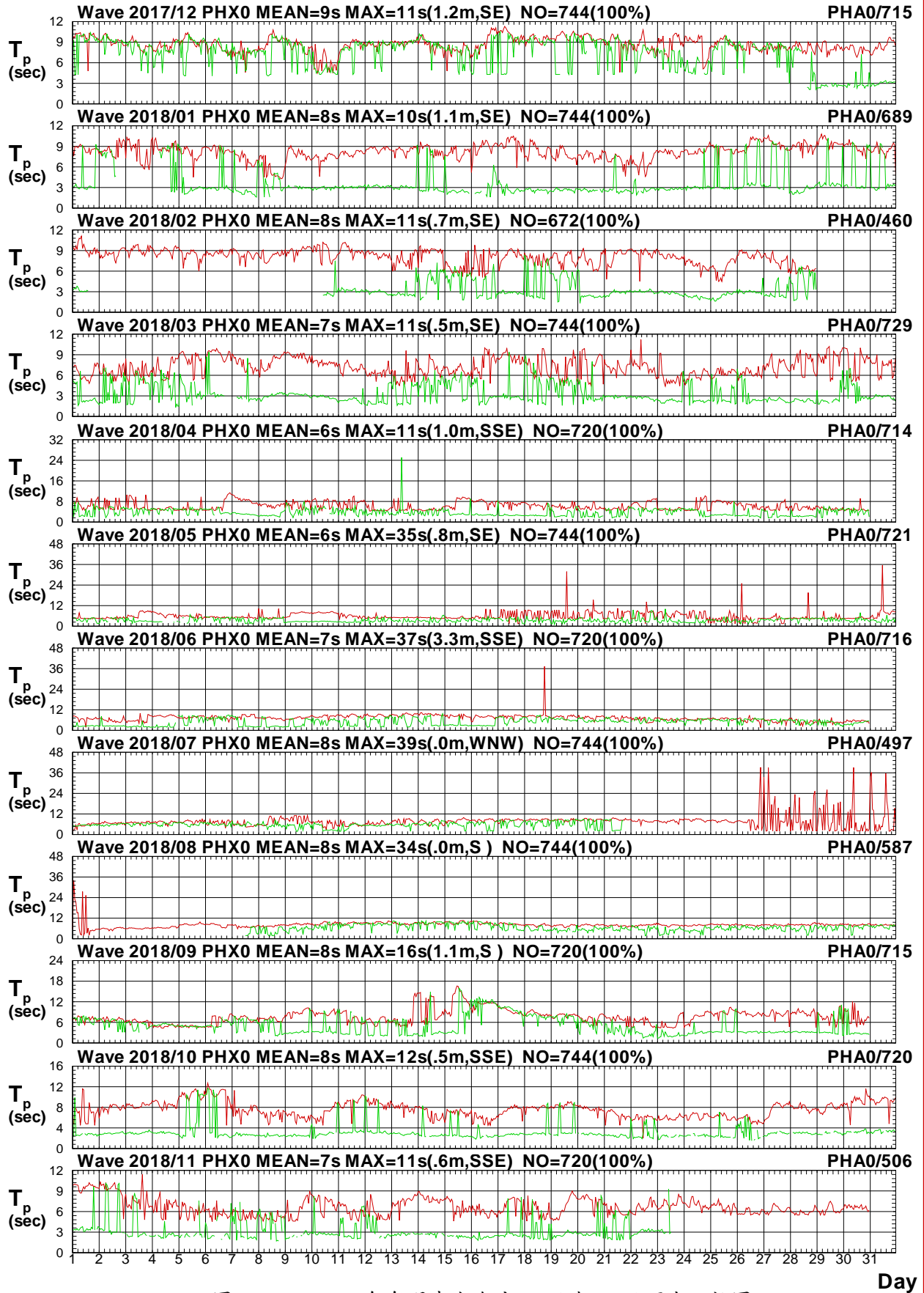


圖2.4.2b 2018年每月澎湖海域 X 站與 A 站週期比較圖

V17CPHX0.1HA V17CPHA0.1H0 V181PHX0.1HA V181PHA0.1H0 V182PHX0.1HA V182PHA0.1H0
 V183PHX0.1HA V183PHA0.1H0 V184PHX0.1HA V184PHA0.1H0 V185PHX0.1HA V185PHA0.1H0

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Wave Direction in Peng-Hu Harbor of PHX0 at 2018

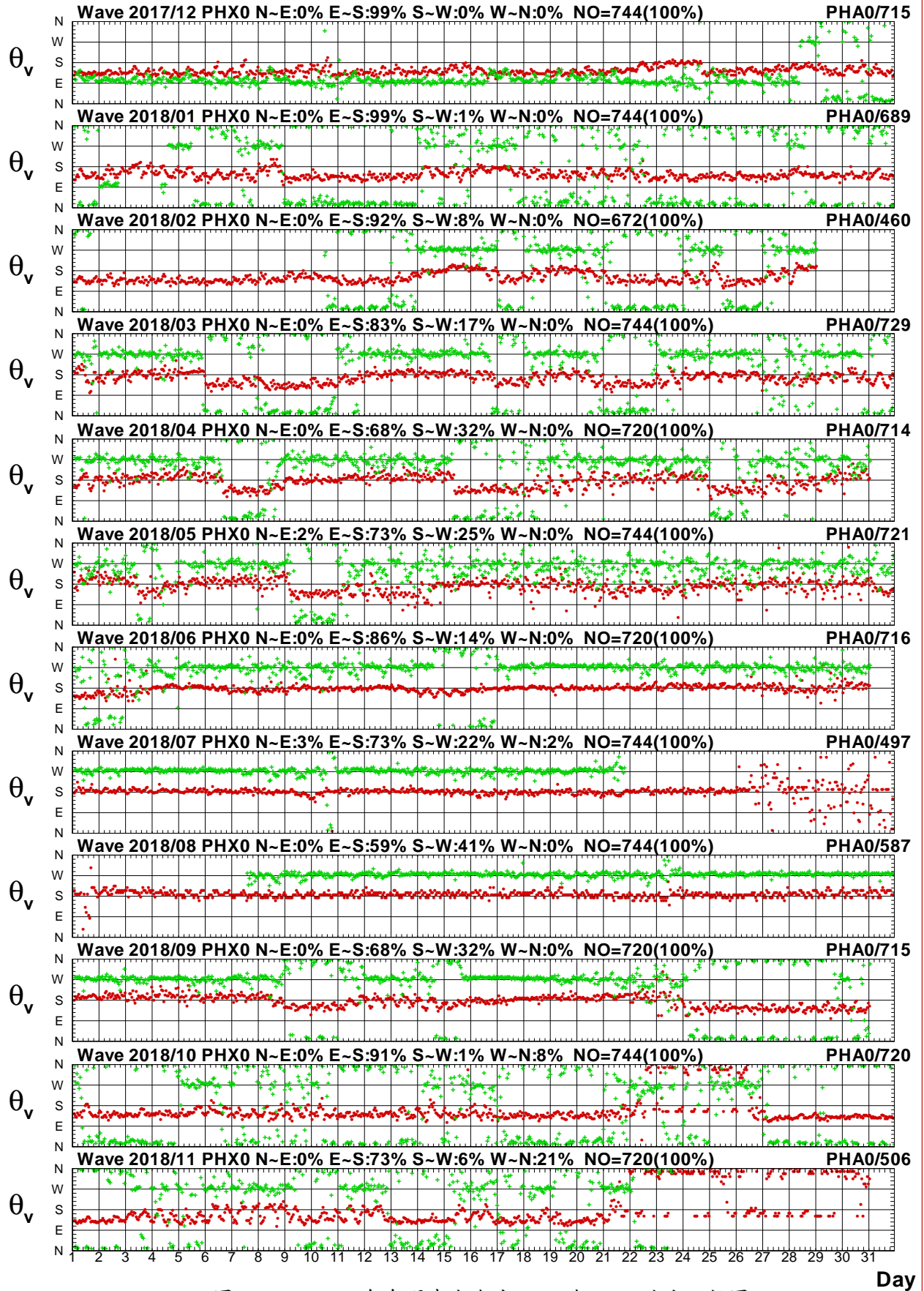


圖2.4.2c 2018年每月澎湖海域 X 站與 A 站波向比較圖

V17CPHX0.1HA V17CPHA0.1H0 V181PHX0.1HA V181PHA0.1H0 V182PHX0.1HA V182PHA0.1H0
 V183PHX0.1HA V183PHA0.1H0 V184PHX0.1HA V184PHA0.1H0 V185PHX0.1HA V185PHA0.1H0

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Wave H_s in Peng-Hu Harbor of PHX0 at 2018

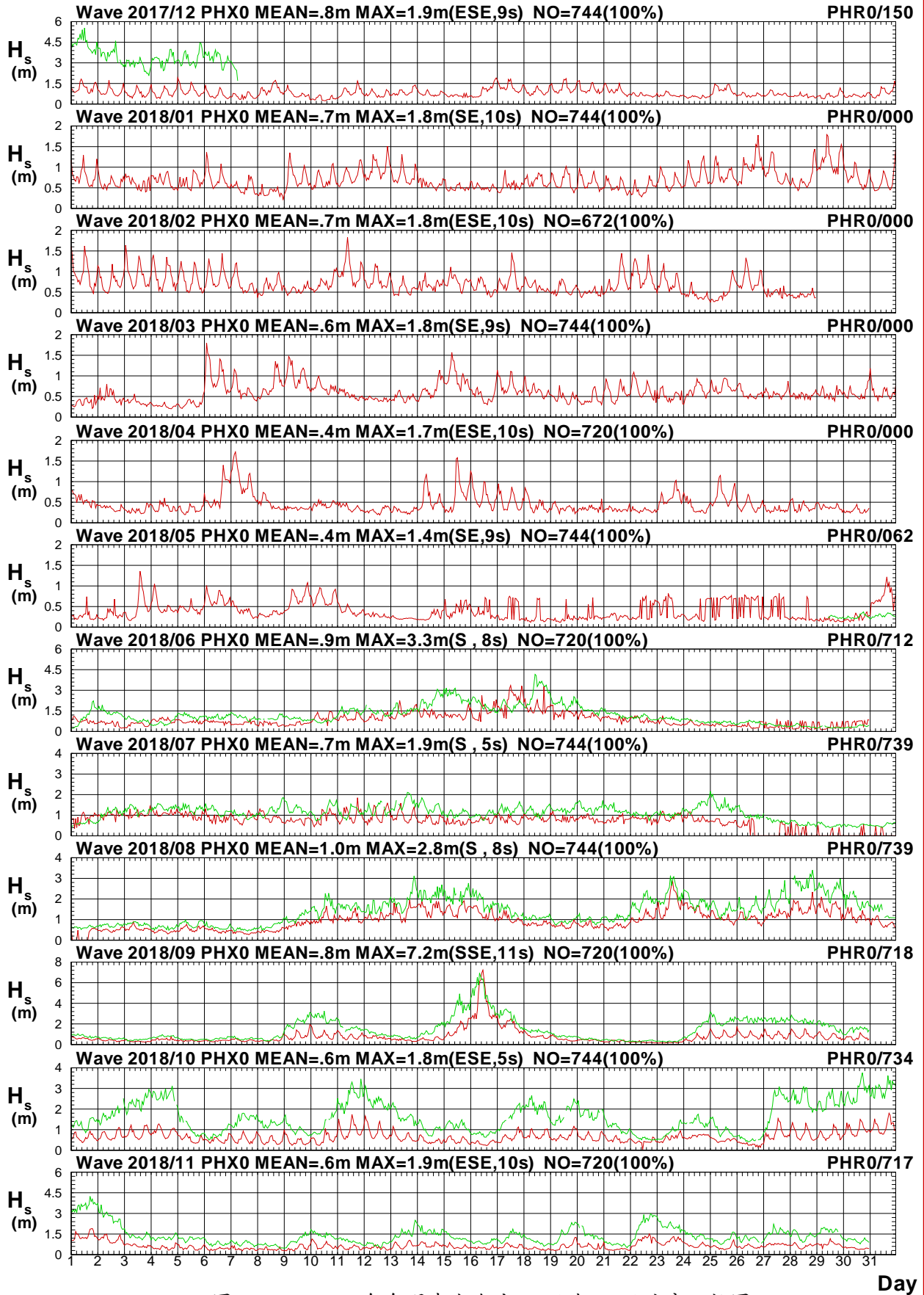


圖2.4.3a 2018年每月澎湖海域 X 站與 R 站波高比較圖

V17CPHX0.1HA V17CPHR0.1H0 V181PHX0.1HA V181PHR0.1H0 V182PHX0.1HA V182PHR0.1H0
 V183PHX0.1HA V183PHR0.1H0 V184PHX0.1HA V184PHR0.1H0 V185PHX0.1HA V185PHR0.1H0

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Wave T_p in Peng-Hu Harbor of PHX0 at 2018

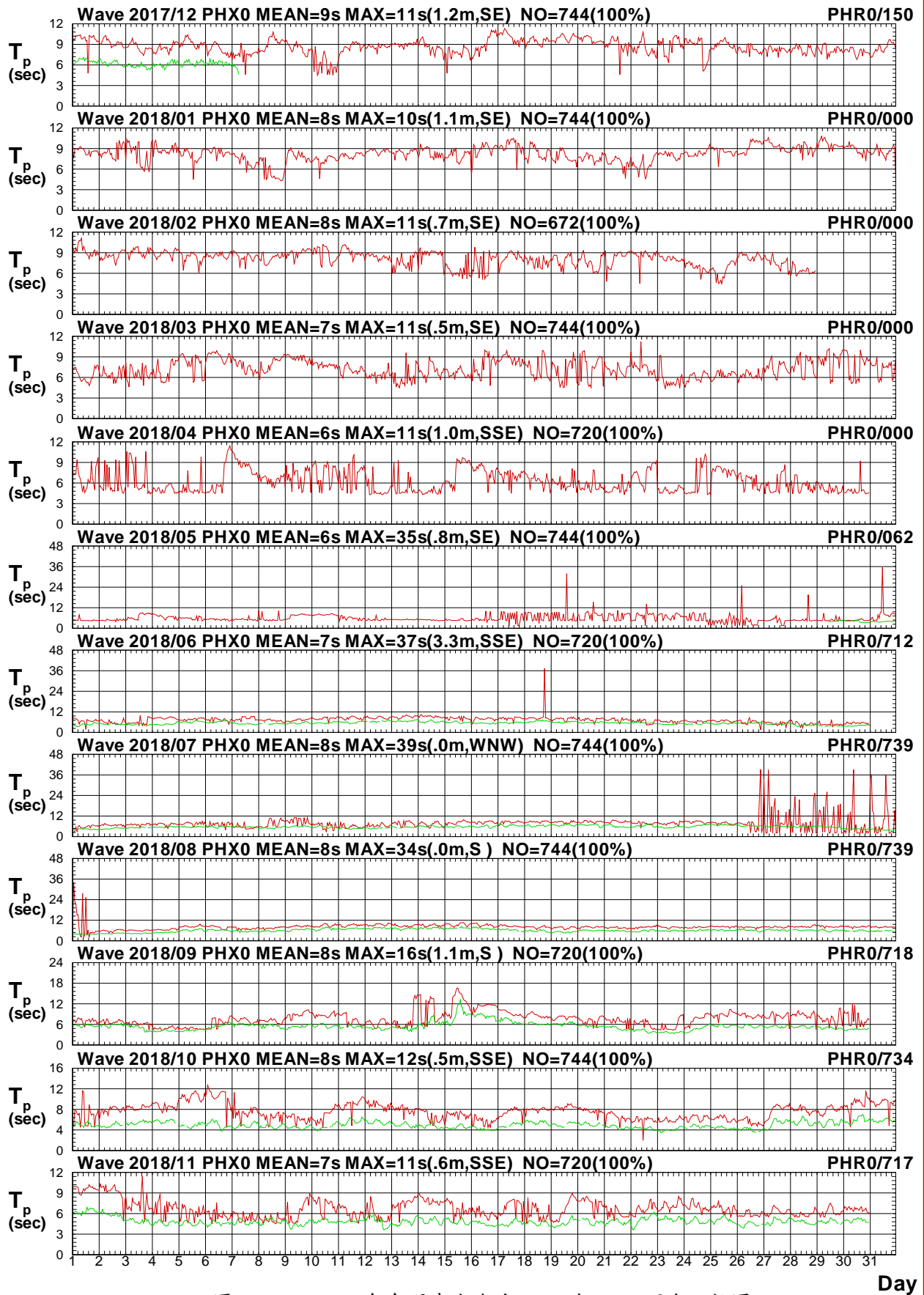


圖2.4.3b 2018年每月澎湖海域 X 站與 R 站週期比較圖

V17CPHX0.1HA V17CPHR0.1H0 V181PHX0.1HA V181PHR0.1H0 V182PHX0.1HA V182PHR0.1H0
 V183PHX0.1HA V183PHR0.1H0 V184PHX0.1HA V184PHR0.1H0 V185PHX0.1HA V185PHR0.1H0

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Wave Direction in Peng-Hu Harbor of PHX0 at 2018

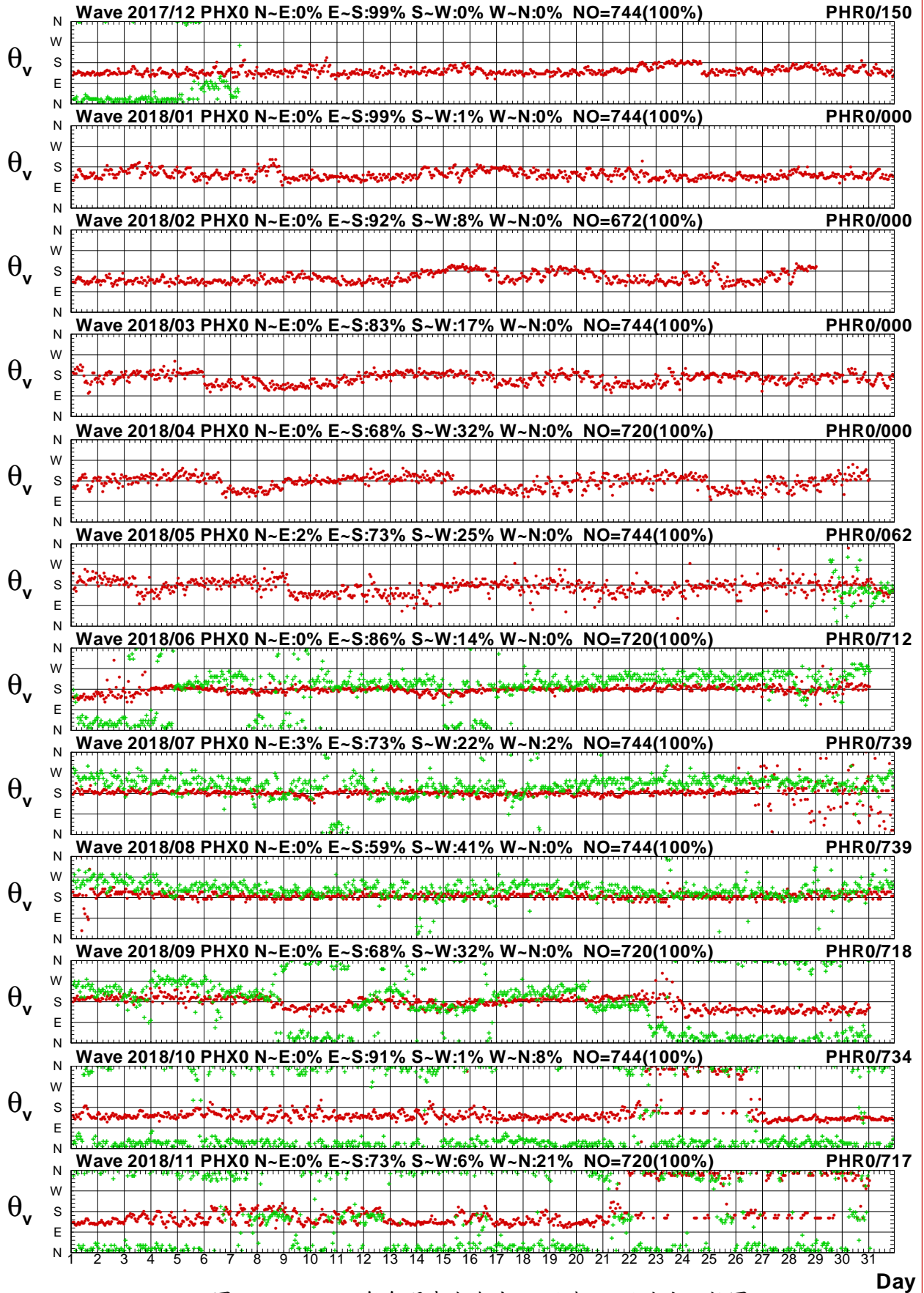


圖2.4.3c 2018年每月澎湖海域 X 站與 R 站波向比較圖

V17CPHX0.1HA V17CPHR0.1H0 V181PHX0.1HA V181PHR0.1H0 V182PHX0.1HA V182PHR0.1H0
 V183PHX0.1HA V183PHR0.1H0 V184PHX0.1HA V184PHR0.1H0 V185PHX0.1HA V185PHR0.1H0

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Wave H_s in Peng-Hu Harbor of PHX0 at 2018

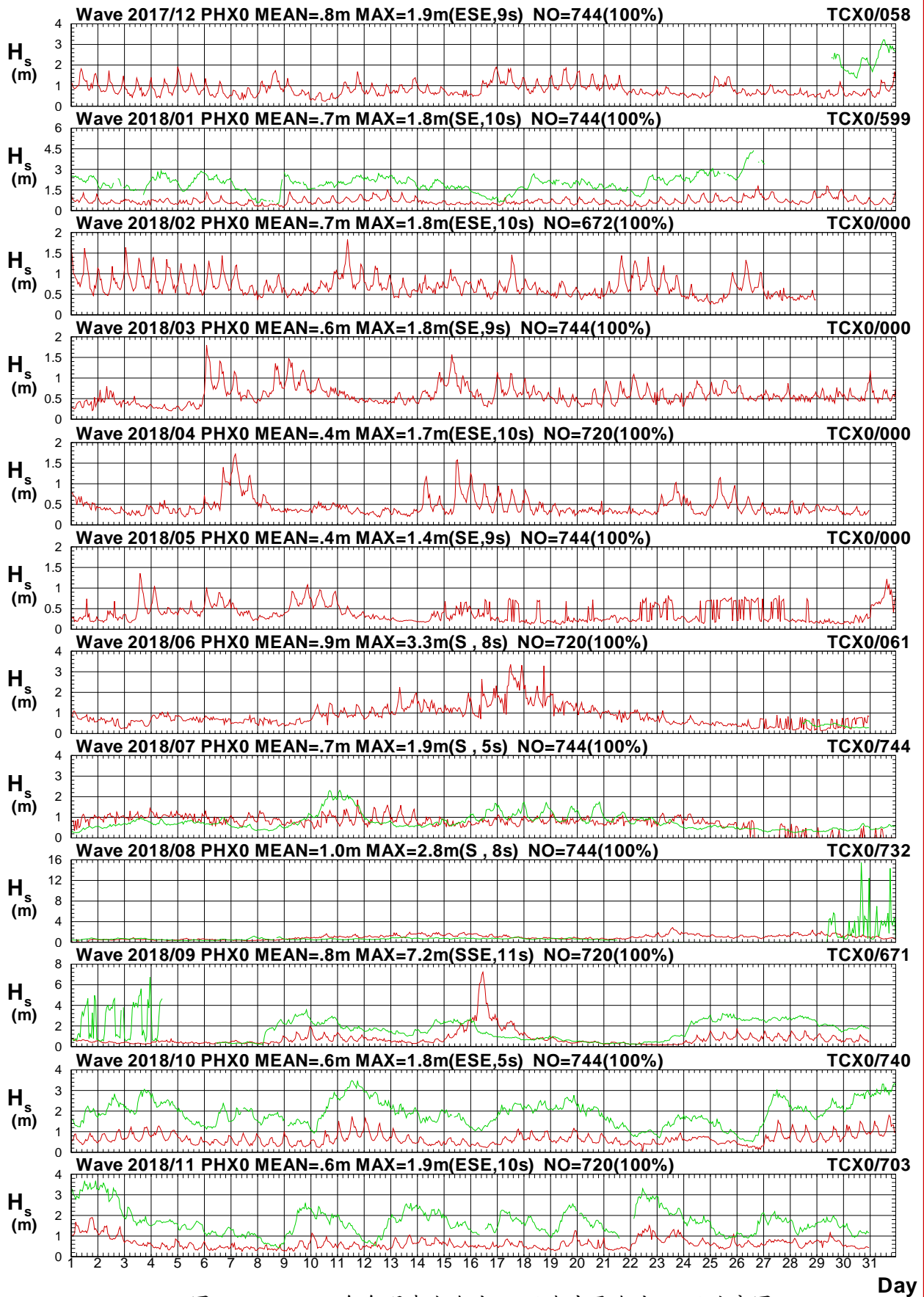


圖2.4.4a 2018年每月澎湖海域 X 站與中雲海域 X 站波高圖

V17CPHX0.1HA V17CTCX0.1H0 V181PHX0.1HA V181TCX0.1H0 V182PHX0.1HA V182TCX0.1H0
 V183PHX0.1HA V183TCX0.1H0 V184PHX0.1HA V184TCX0.1H0 V185PHX0.1HA V185TCX0.1H0

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Wave T_p in Peng-Hu Harbor of PHX0 at 2018

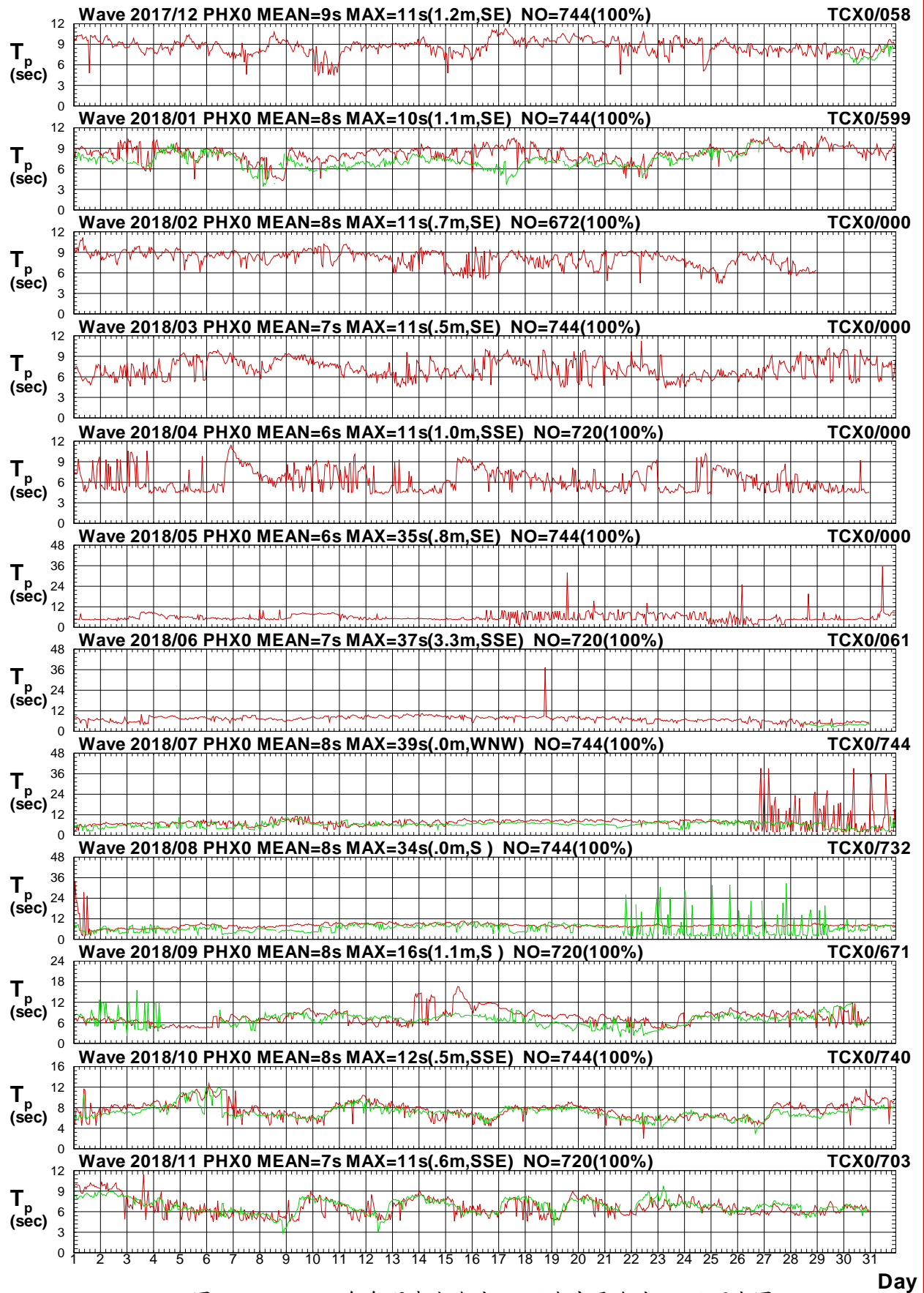


圖2.4.4b 2018年每月澎湖海域 X 站與中雲海域 X 站週期圖

V17CPHX0.1HA V17CTCX0.1H0 V181PHX0.1HA V181TCX0.1H0 V182PHX0.1HA V182TCX0.1H0
 V183PHX0.1HA V183TCX0.1H0 V184PHX0.1HA V184TCX0.1H0 V185PHX0.1HA V185TCX0.1H0

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Wave Direction in Peng-Hu Harbor of PHX0 at 2018

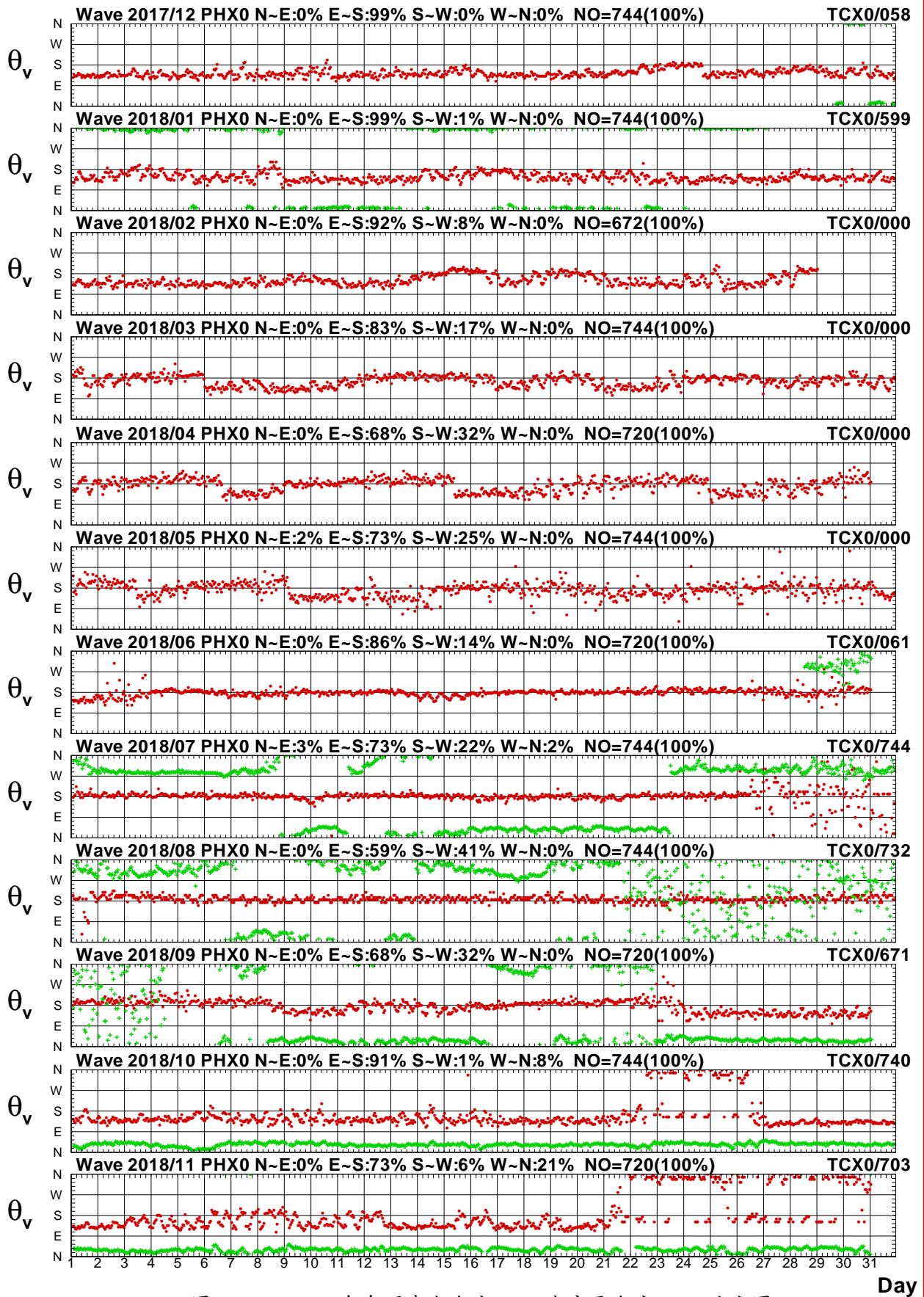


圖2.4.4c 2018年每月澎湖海域 X 站與中雲海域 X 站波向圖

V17CPHX0.1HA V17CTCX0.1H0 V181PHX0.1HA V181TCX0.1H0 V182PHX0.1HA V182TCX0.1H0
 V183PHX0.1HA V183TCX0.1H0 V184PHX0.1HA V184TCX0.1H0 V185PHX0.1HA V185TCX0.1H0

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Wave H_s in Peng-Hu Harbor of PHX0 at 2018

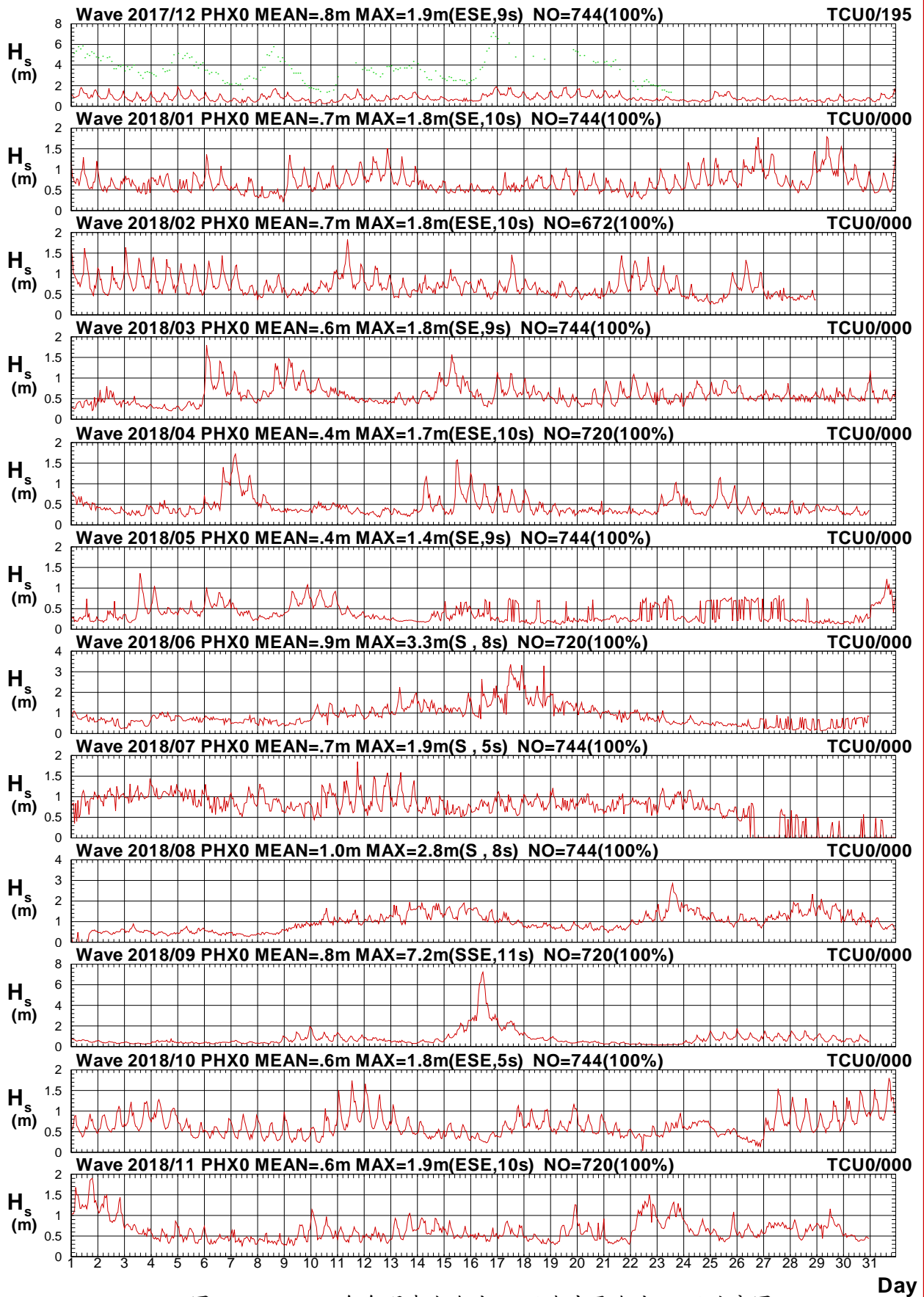


圖2.4.5a 2018年每月澎湖海域 X 站與中雲海域 U 站波高圖

V17CPHX0.1HA V17CTCU0.1H0 V181PHX0.1HA V181TCU0.1H0 V182PHX0.1HA V182TCU0.1H0
 V183PHX0.1HA V183TCU0.1H0 V184PHX0.1HA V184TCU0.1H0 V185PHX0.1HA V185TCU0.1H0

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Wave T_p in Peng-Hu Harbor of PHX0 at 2018

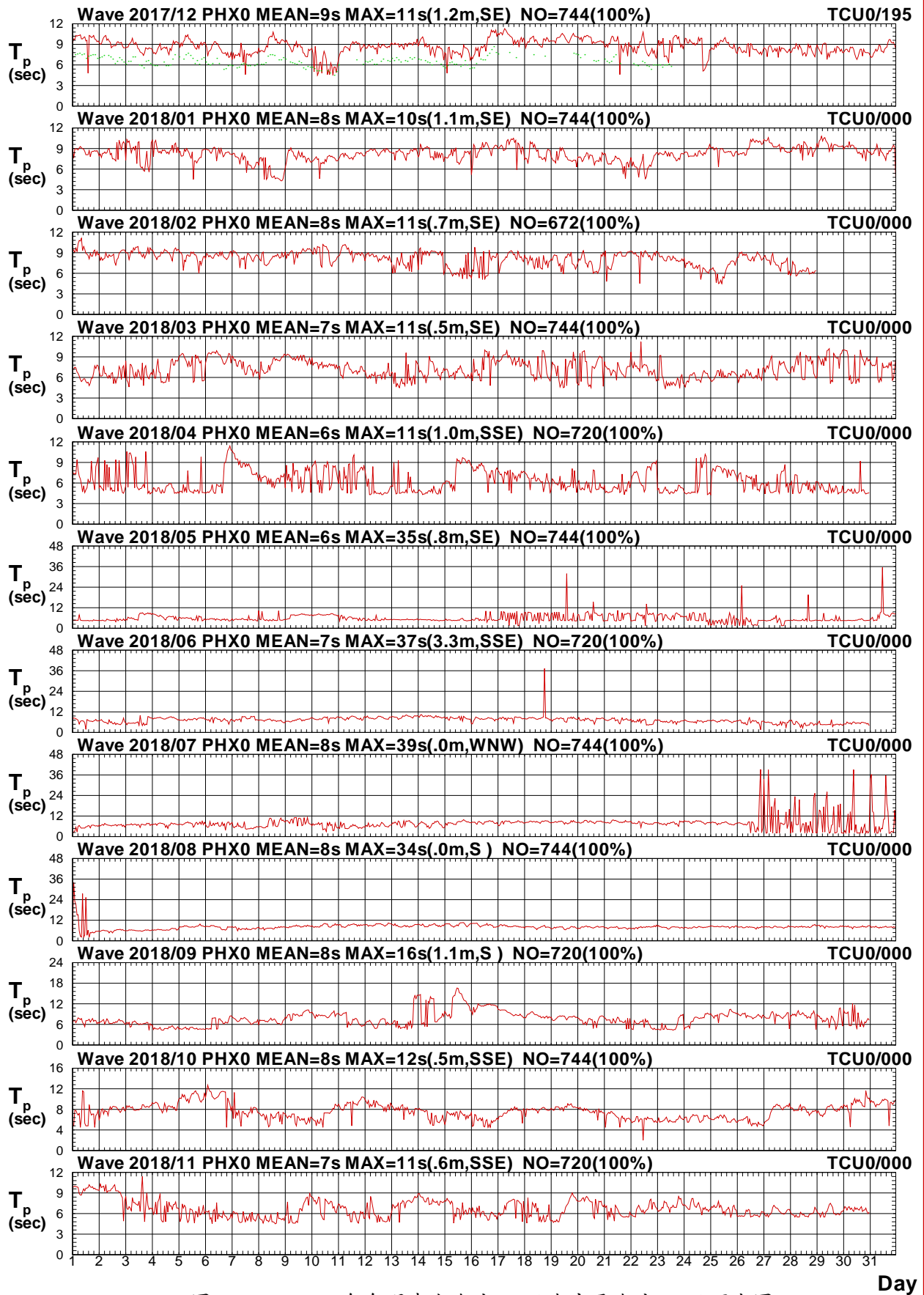


圖2.4.5b 2018年每月澎湖海域 X 站與中雲海域 U 站週期圖

V17CPHX0.1HA V17CTCU0.1H0 V181PHX0.1HA V181TCU0.1H0 V182PHX0.1HA V182TCU0.1H0
 V183PHX0.1HA V183TCU0.1H0 V184PHX0.1HA V184TCU0.1H0 V185PHX0.1HA V185TCU0.1H0

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Wave Direction in Peng-Hu Harbor of PHX0 at 2018

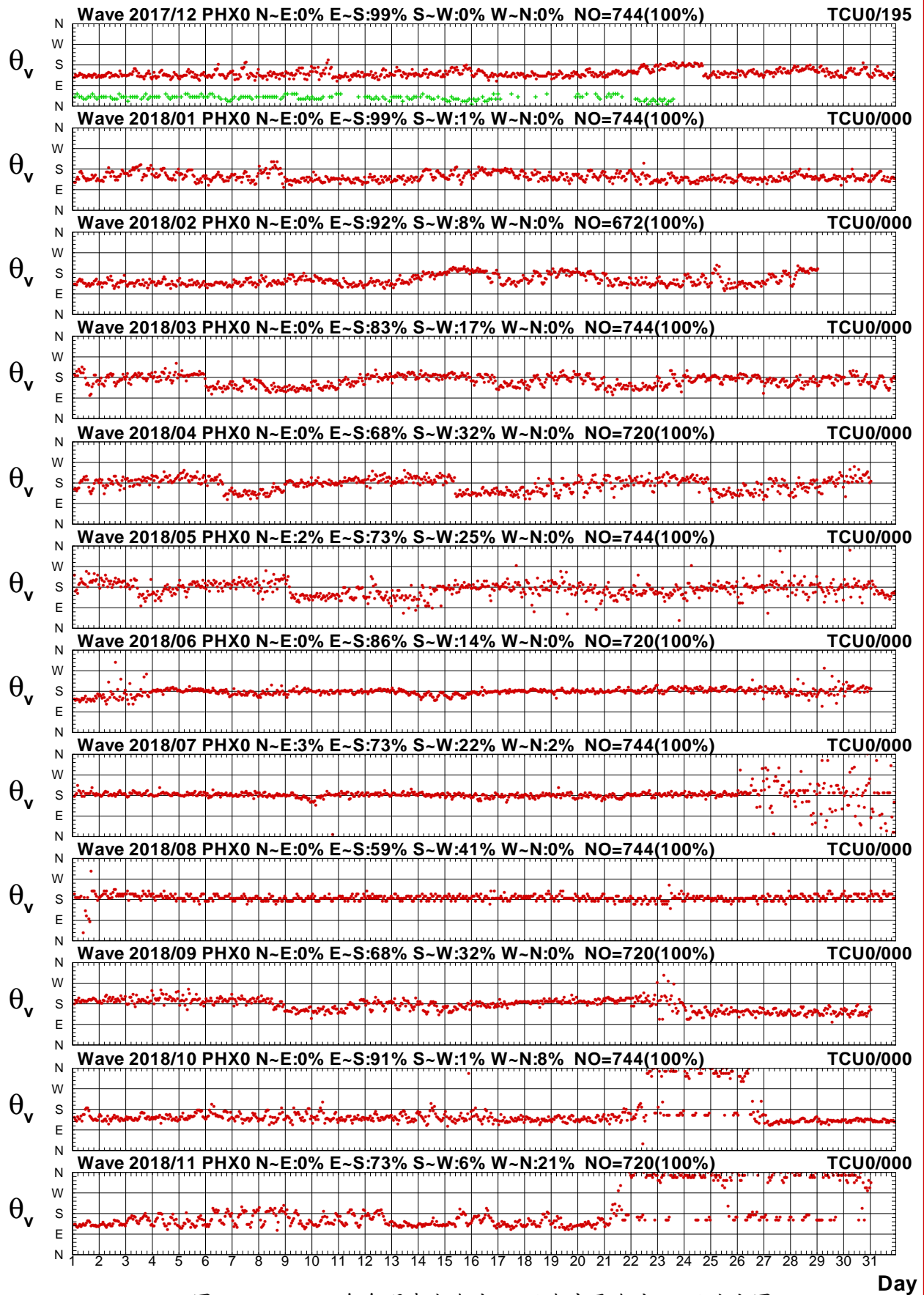


圖2.4.5c 2018年每月澎湖海域 X 站與中雲海域 U 站波向圖

V17CPHX0.1HA V17CTCU0.1HO V181PHX0.1HA V181TCU0.1HO V182PHX0.1HA V182TCU0.1HO
 V183PHX0.1HA V183TCU0.1HO V184PHX0.1HA V184TCU0.1HO V185PHX0.1HA V185TCU0.1HO

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Wave H_s in Peng-Hu Harbor of PHX0 at 2018

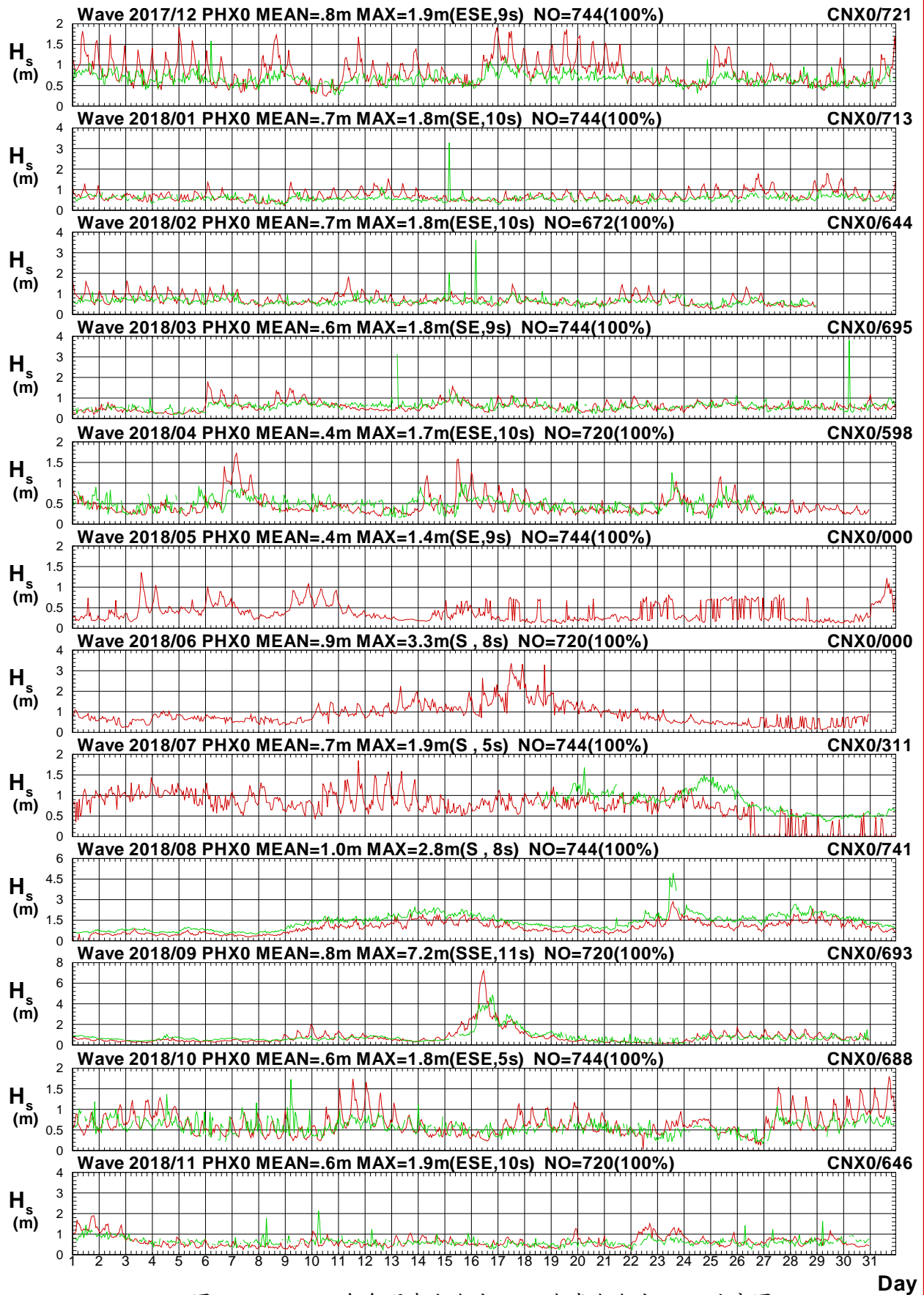


圖2.4.6a 2018年每月澎湖海域 X 站與嘉南海域 X 站波高圖

V17CPHX0.1HA V17CCNX0.1H0 V181PHX0.1HA V181CNX0.1H0 V182PHX0.1HA V182CNX0.1H0
 V183PHX0.1HA V183CNX0.1H0 V184PHX0.1HA V184CNX0.1H0 V185PHX0.1HA V185CNX0.1H0

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Wave T_p in Peng-Hu Harbor of PHX0 at 2018

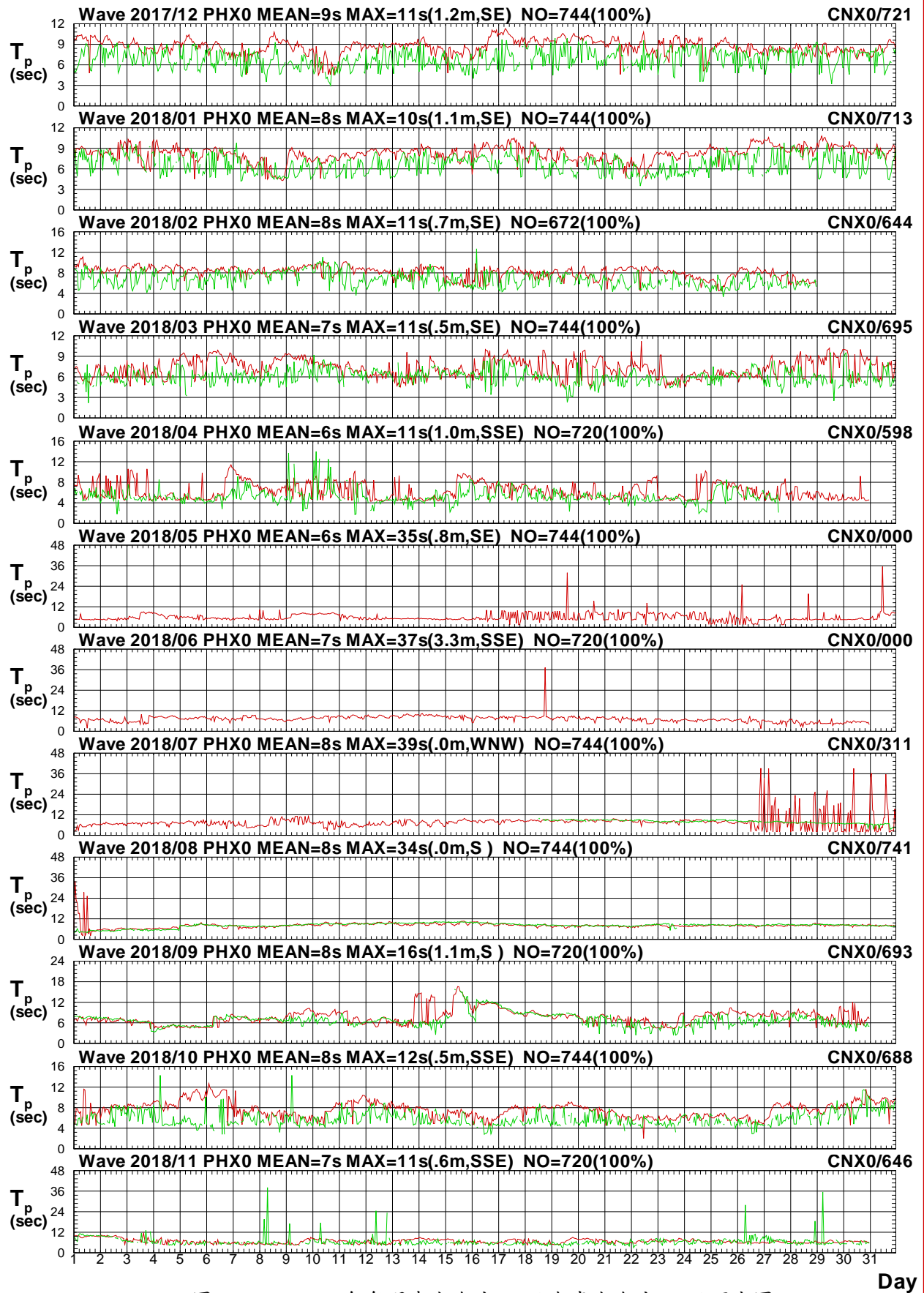


圖2.4.6b 2018年每月澎湖海域 X 站與嘉南海域 X 站週期圖

V17CPHX0.1HA V17CCNX0.1H0 V181PHX0.1HA V181CNX0.1H0 V182PHX0.1HA V182CNX0.1H0
 V183PHX0.1HA V183CNX0.1H0 V184PHX0.1HA V184CNX0.1H0 V185PHX0.1HA V185CNX0.1H0

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Wave Direction in Peng-Hu Harbor of PHX0 at 2018

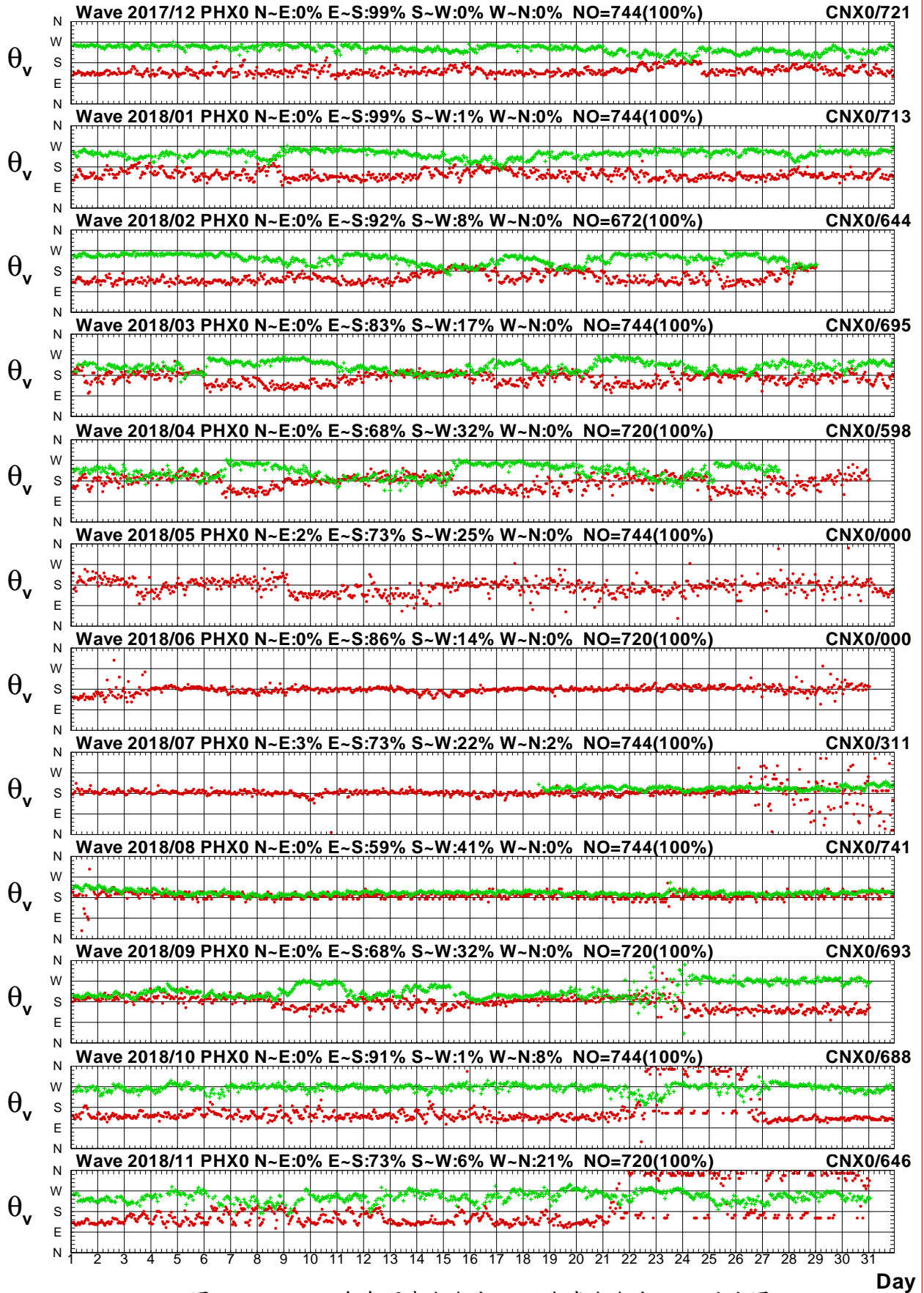


圖2.4.6c 2018年每月澎湖海域 X 站與嘉南海域 X 站波向圖

V17CPHX0.1HA V17CCNX0.1H0 V181PHX0.1HA V181CNX0.1H0 V182PHX0.1HA V182CNX0.1H0
 V183PHX0.1HA V183CNX0.1H0 V184PHX0.1HA V184CNX0.1H0 V185PHX0.1HA V185CNX0.1H0

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Wave H_s in Peng-Hu Harbor of PHX0 at 2018

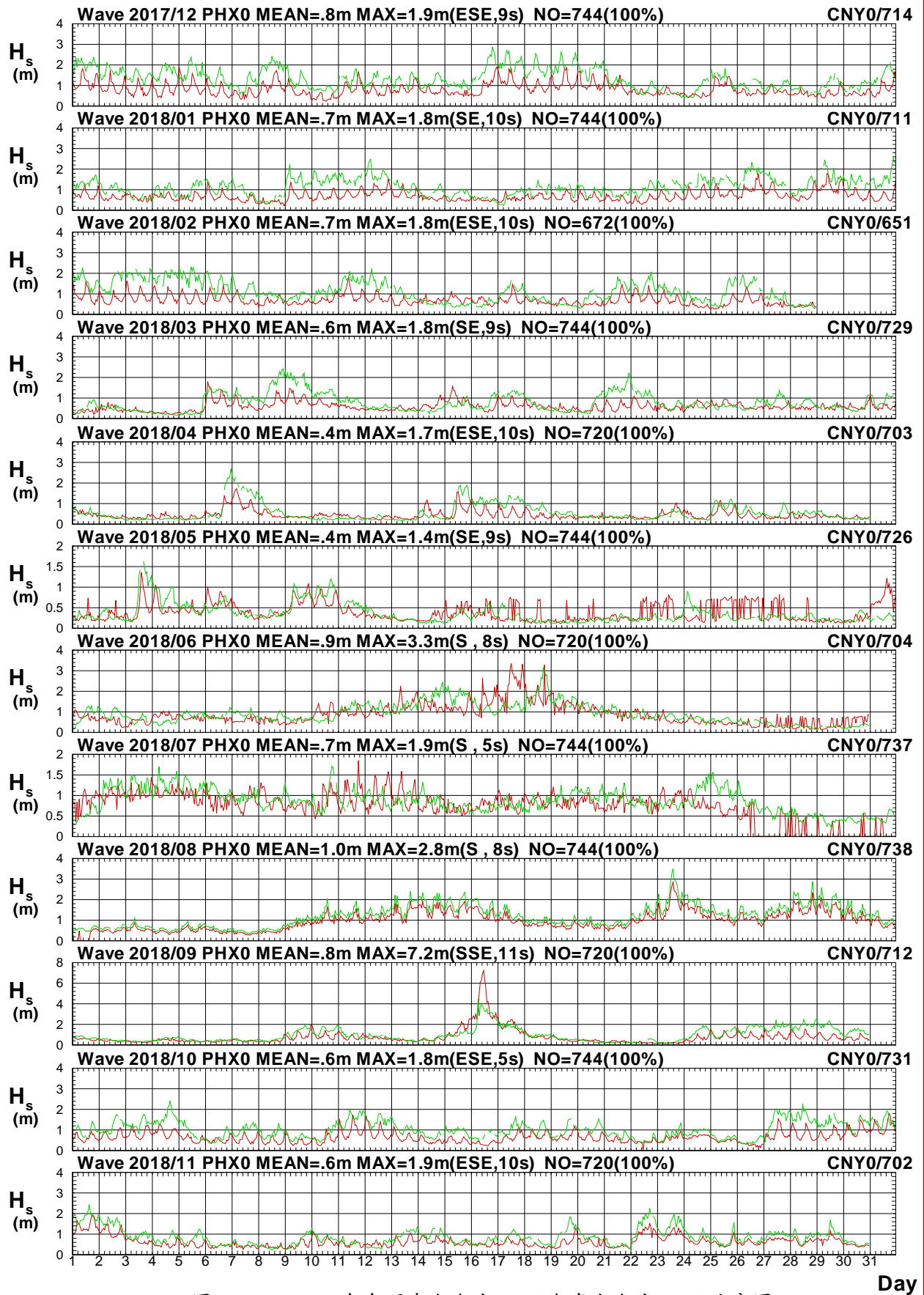


圖2.4.7a 2018年每月澎湖海域 X 站與嘉南海域 Y 站波高圖

V17CPHX0.1HA V17CCNY0.1H0 V181PHX0.1HA V181CNY0.1H0 V182PHX0.1HA V182CNY0.1H0
 V183PHX0.1HA V183CNY0.1H0 V184PHX0.1HA V184CNY0.1H0 V185PHX0.1HA V185CNY0.1H0

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Wave T_p in Peng-Hu Harbor of PHX0 at 2018

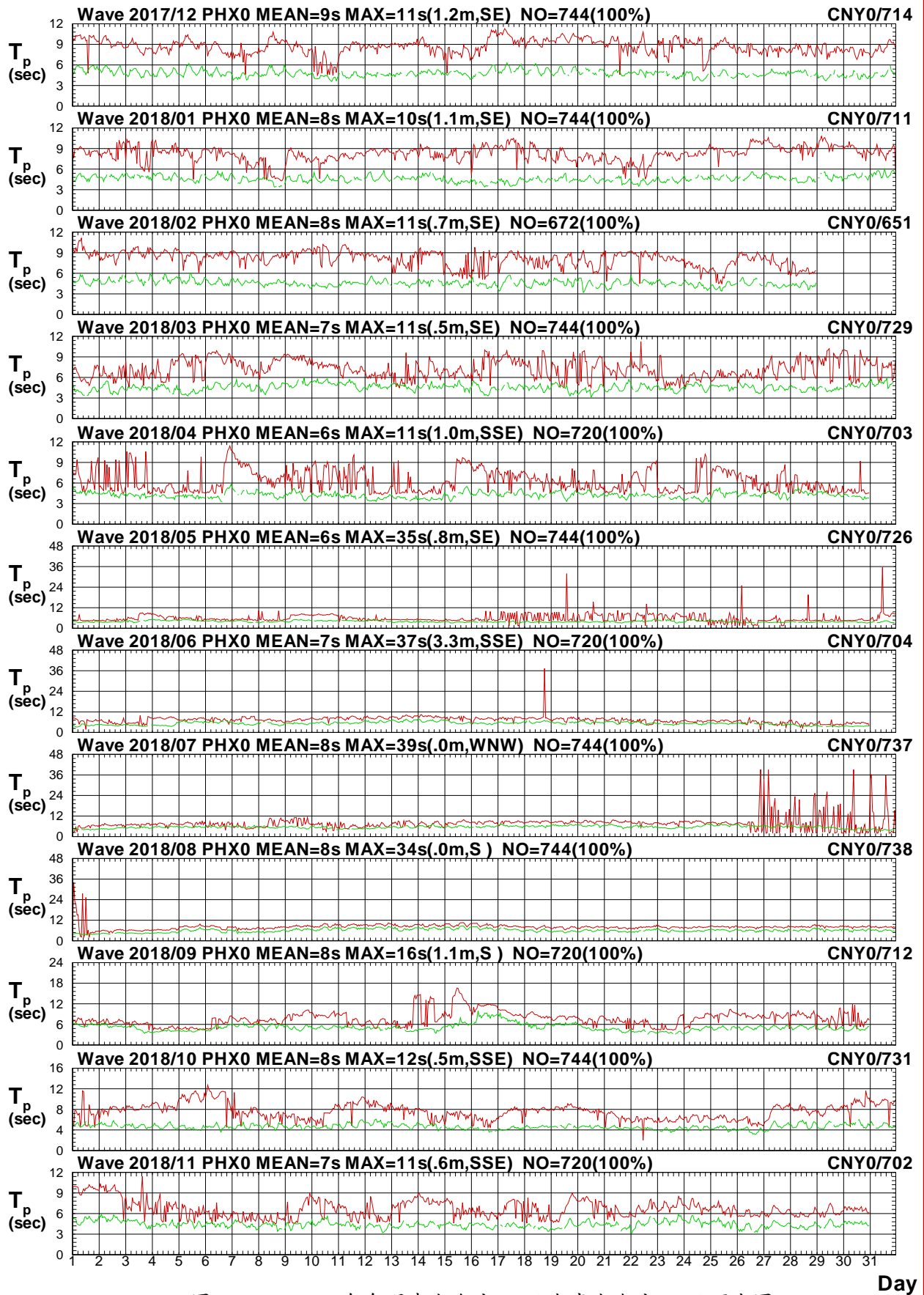


圖2.4.7b 2018年每月澎湖海域 X 站與嘉南海域 Y 站週期圖

V17CPHX0.1HA V17CCNY0.1H0 V181PHX0.1HA V181CNY0.1H0 V182PHX0.1HA V182CNY0.1H0
 V183PHX0.1HA V183CNY0.1H0 V184PHX0.1HA V184CNY0.1H0 V185PHX0.1HA V185CNY0.1H0

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Wave Direction in Peng-Hu Harbor of PHX0 at 2018

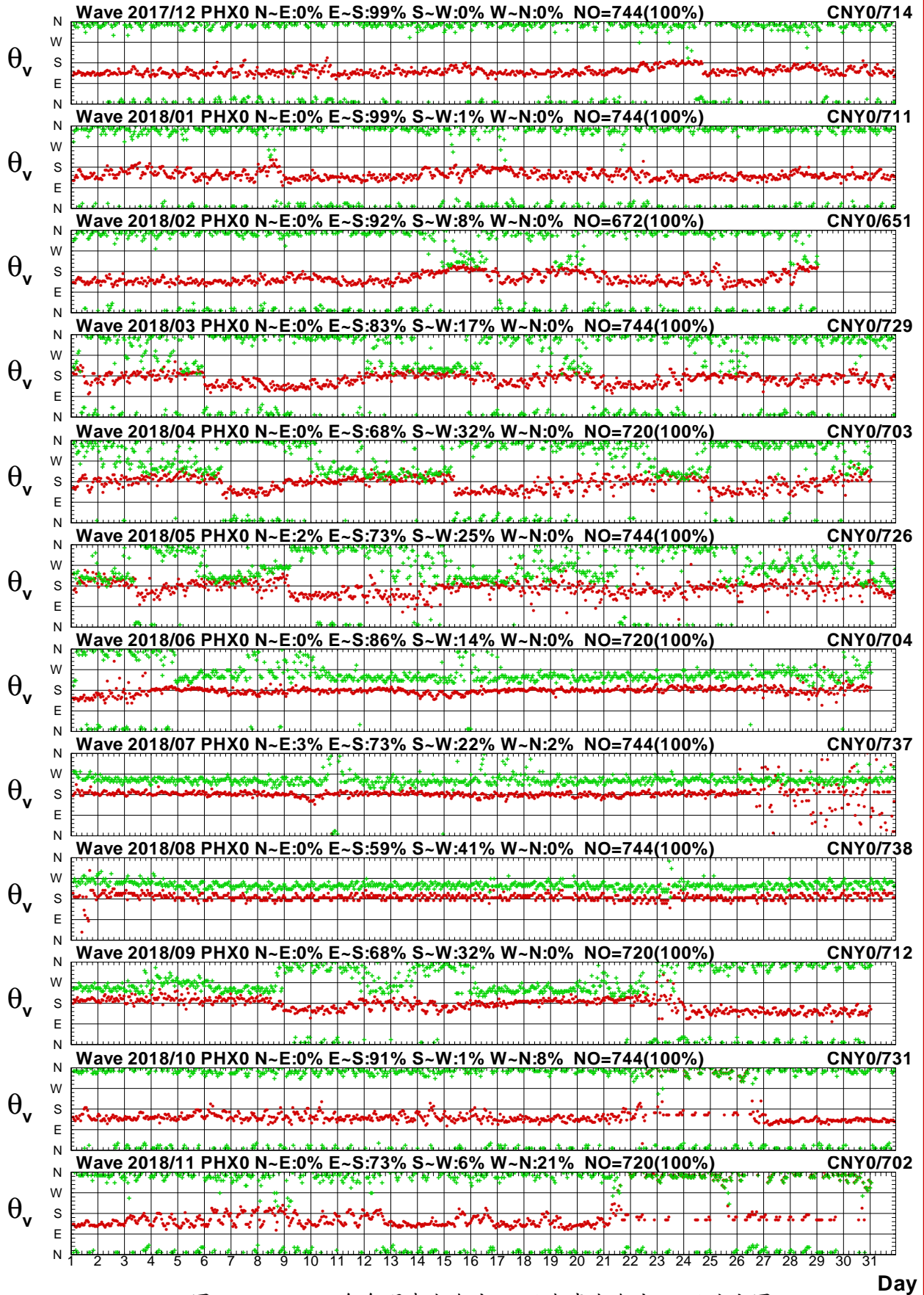


圖2.4.7c 2018年每月澎湖海域 X 站與嘉南海域 Y 站波向圖

V17CPHX0.1HA V17CCNY0.1HO V181PHX0.1HA V181CNY0.1HO V182PHX0.1HA V182CNY0.1HO
 V183PHX0.1HA V183CNY0.1HO V184PHX0.1HA V184CNY0.1HO V185PHX0.1HA V185CNY0.1HO

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Wave H_s in Peng-Hu Harbor of PHX0 at 2018

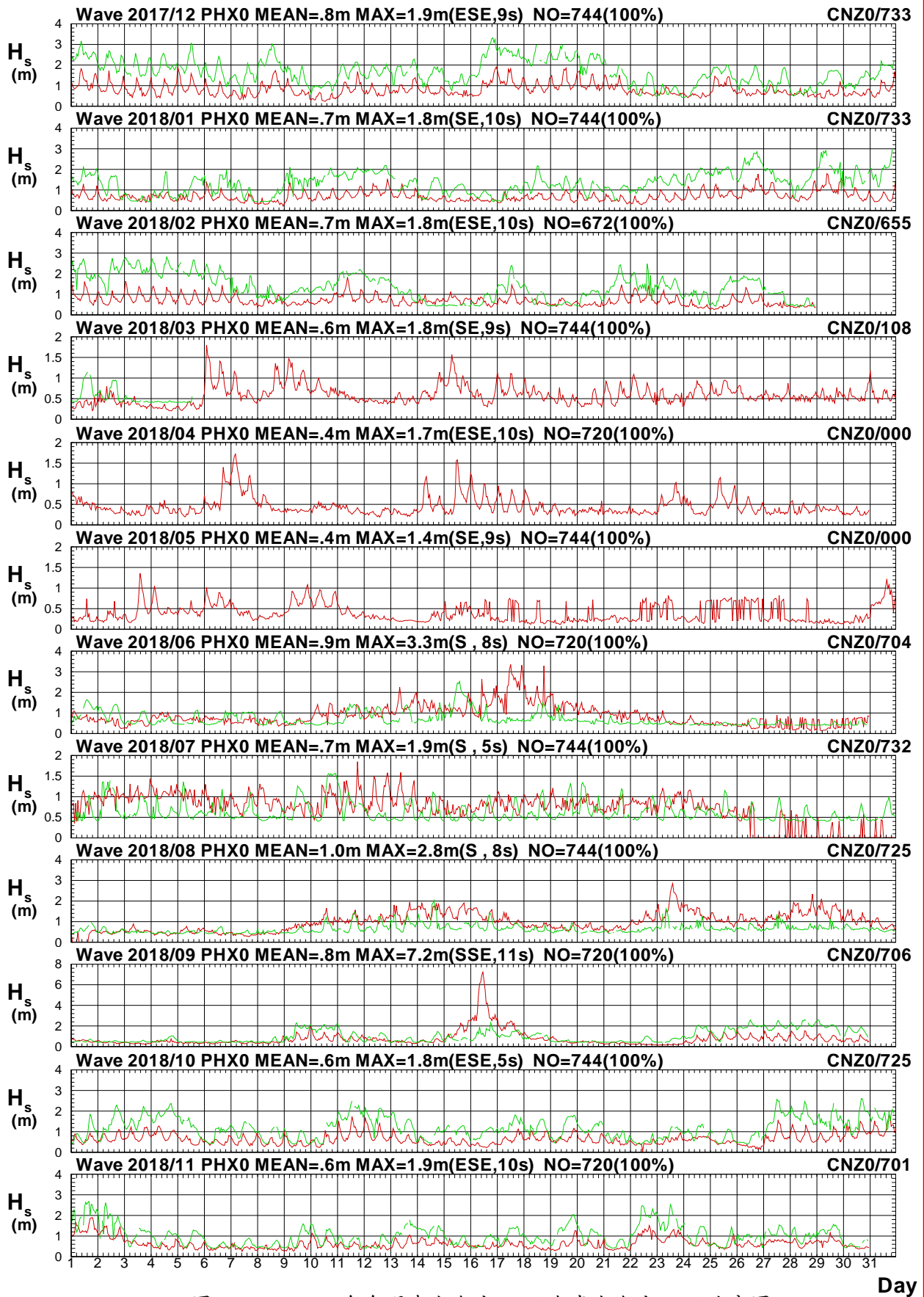


圖2.4.8a 2018年每月澎湖海域 X 站與嘉南海域 Z 站波高圖

V17CPHX0.1HA V17CCNZ0.1H0 V181PHX0.1HA V181CNZ0.1H0 V182PHX0.1HA V182CNZ0.1H0
 V183PHX0.1HA V183CNZ0.1H0 V184PHX0.1HA V184CNZ0.1H0 V185PHX0.1HA V185CNZ0.1H0

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Wave T_p in Peng-Hu Harbor of PHX0 at 2018

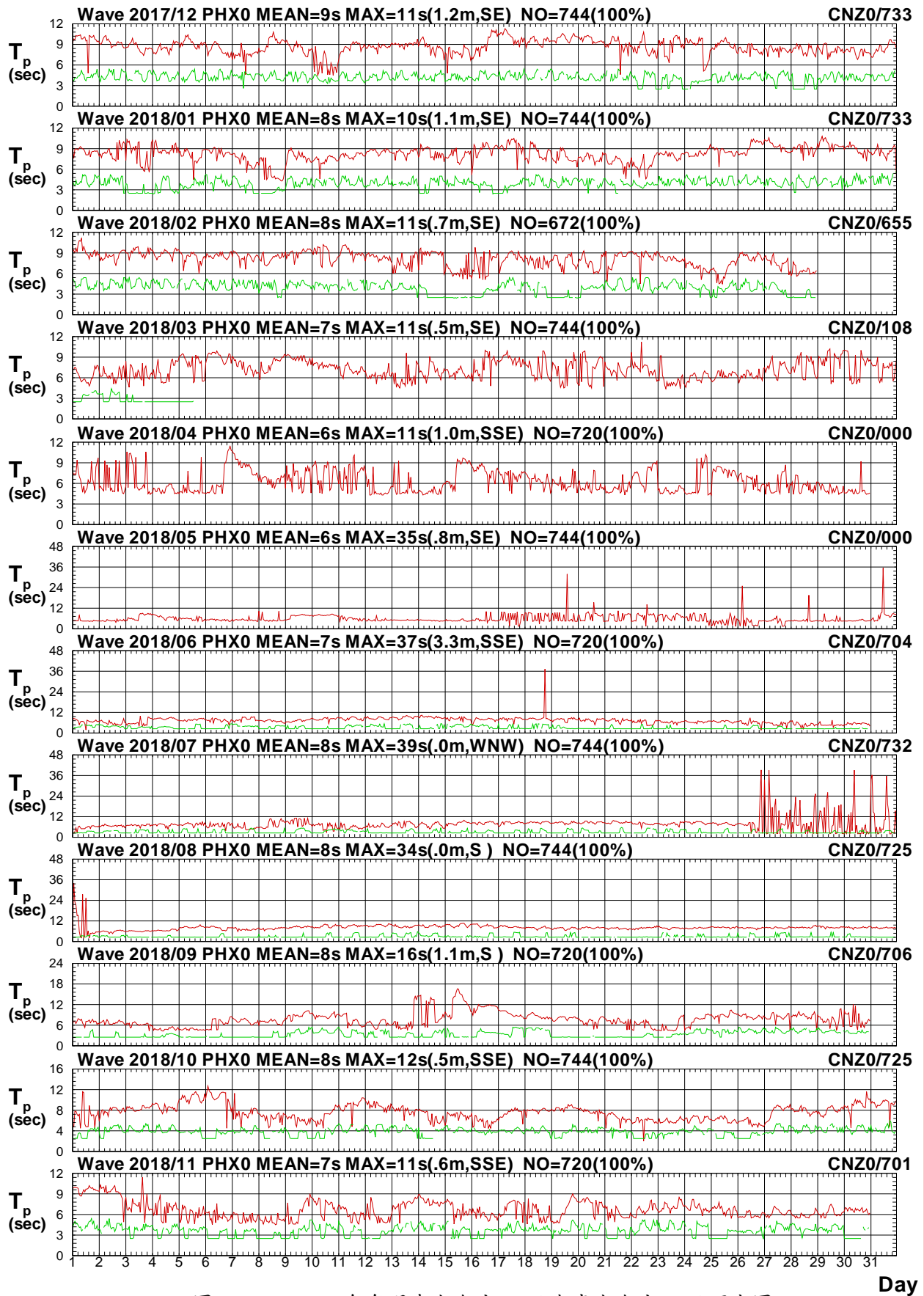


圖2.4.8b 2018年每月澎湖海域 X 站與嘉南海域 Z 站週期圖

V17CPHX0.1HA V17CCNZ0.1H0 V181PHX0.1HA V181CNZ0.1H0 V182PHX0.1HA V182CNZ0.1H0
 V183PHX0.1HA V183CNZ0.1H0 V184PHX0.1HA V184CNZ0.1H0 V185PHX0.1HA V185CNZ0.1H0

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Wave Direction in Peng-Hu Harbor of PHX0 at 2018

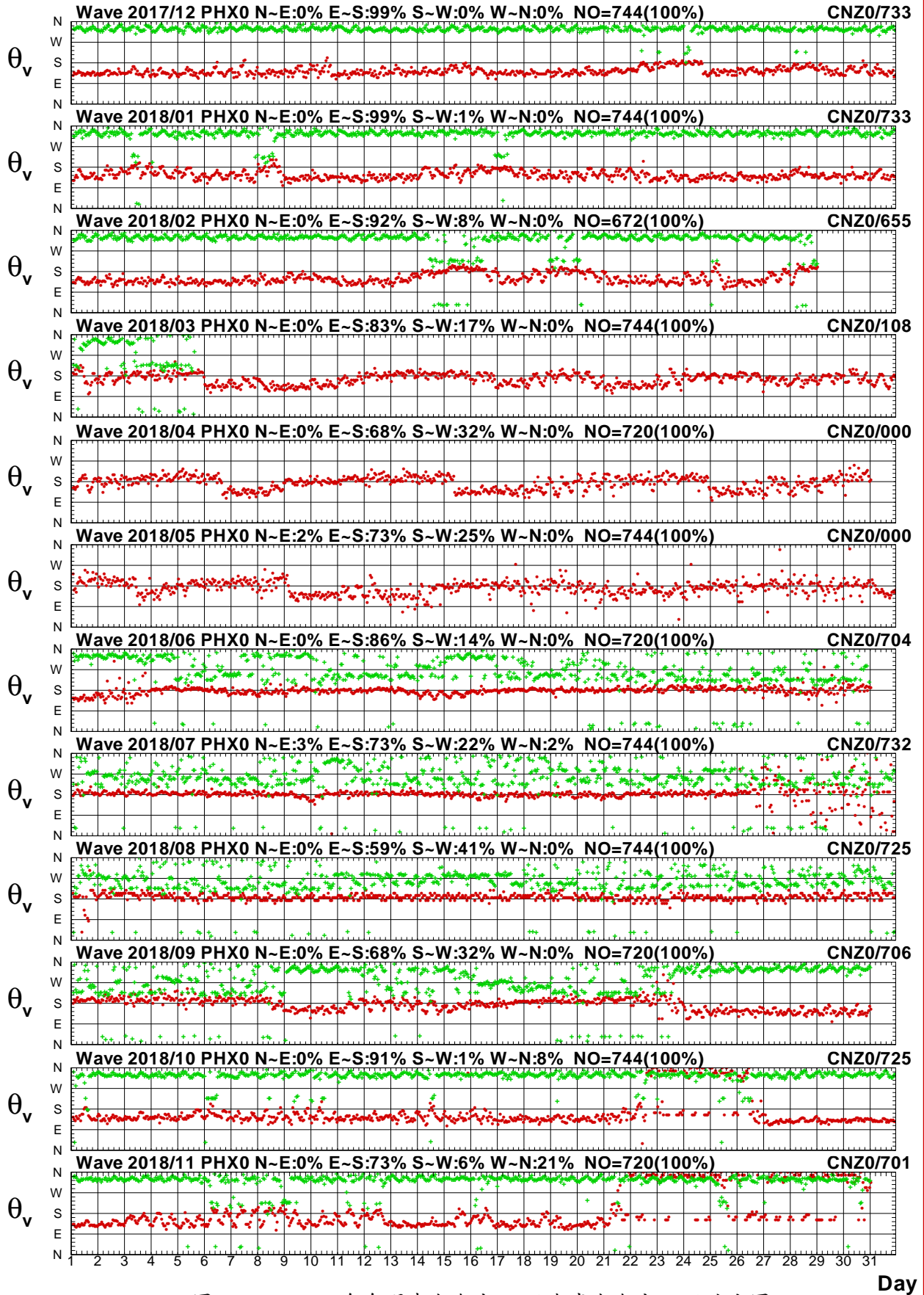


圖2.4.8c 2018年每月澎湖海域 X 站與嘉南海域 Z 站波向圖

V17CPHX0.1HA V17CCNZ0.1H0 V181PHX0.1HA V181CNZ0.1H0 V182PHX0.1HA V182CNZ0.1H0
 V183PHX0.1HA V183CNZ0.1H0 V184PHX0.1HA V184CNZ0.1H0 V185PHX0.1HA V185CNZ0.1H0

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Wave H_s in Peng-Hu Harbor of PHX0 at 2018

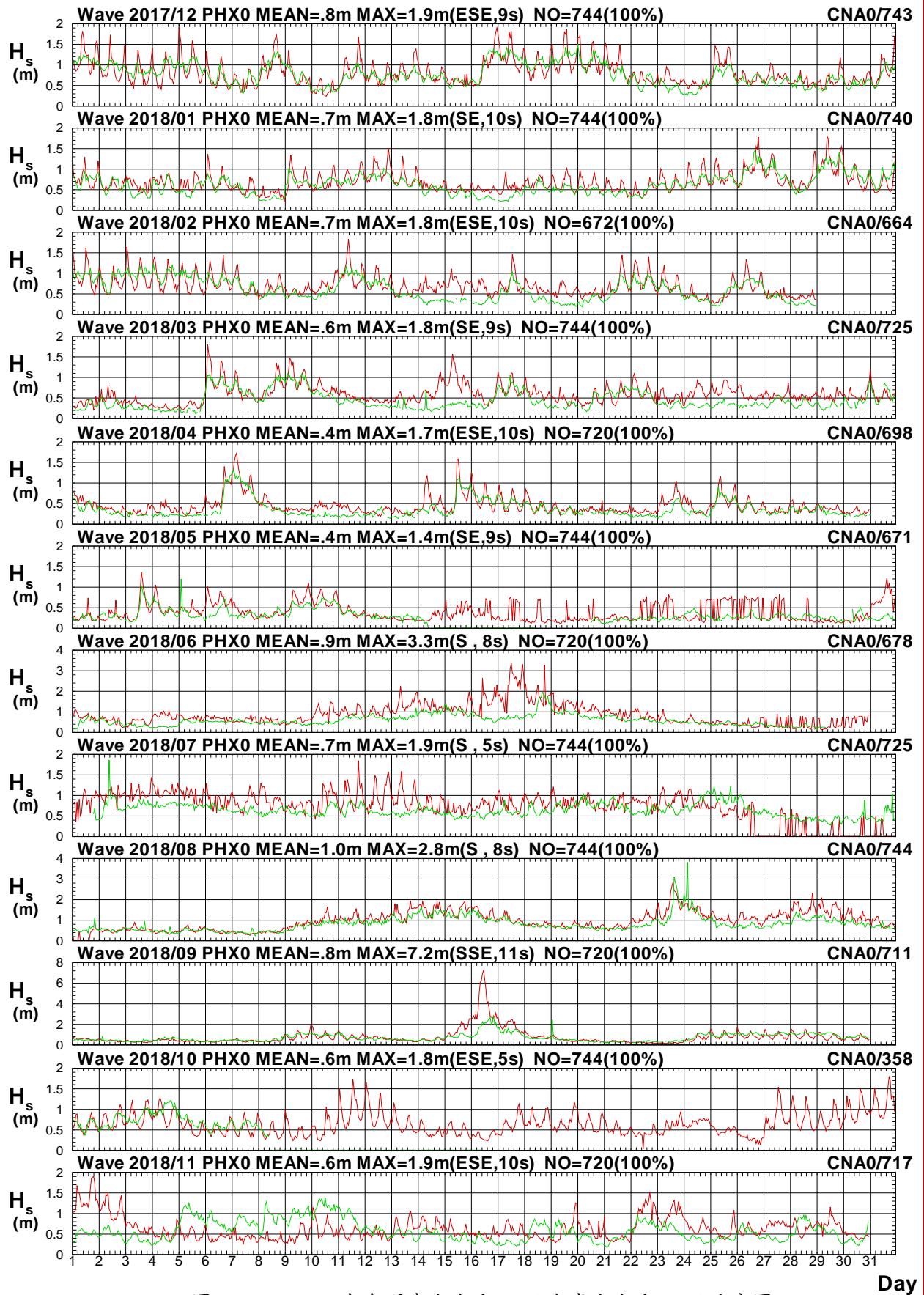


圖2.4.9a 2018年每月澎湖海域 X 站與嘉南海域 A 站波高圖

V17CPHX0.1HA V17CCNA0.1H0 V181PHX0.1HA V181CNA0.1H0 V182PHX0.1HA V182CNA0.1H0
 V183PHX0.1HA V183CNA0.1H0 V184PHX0.1HA V184CNA0.1H0 V185PHX0.1HA V185CNA0.1H0

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Wave T_p in Peng-Hu Harbor of PHX0 at 2018

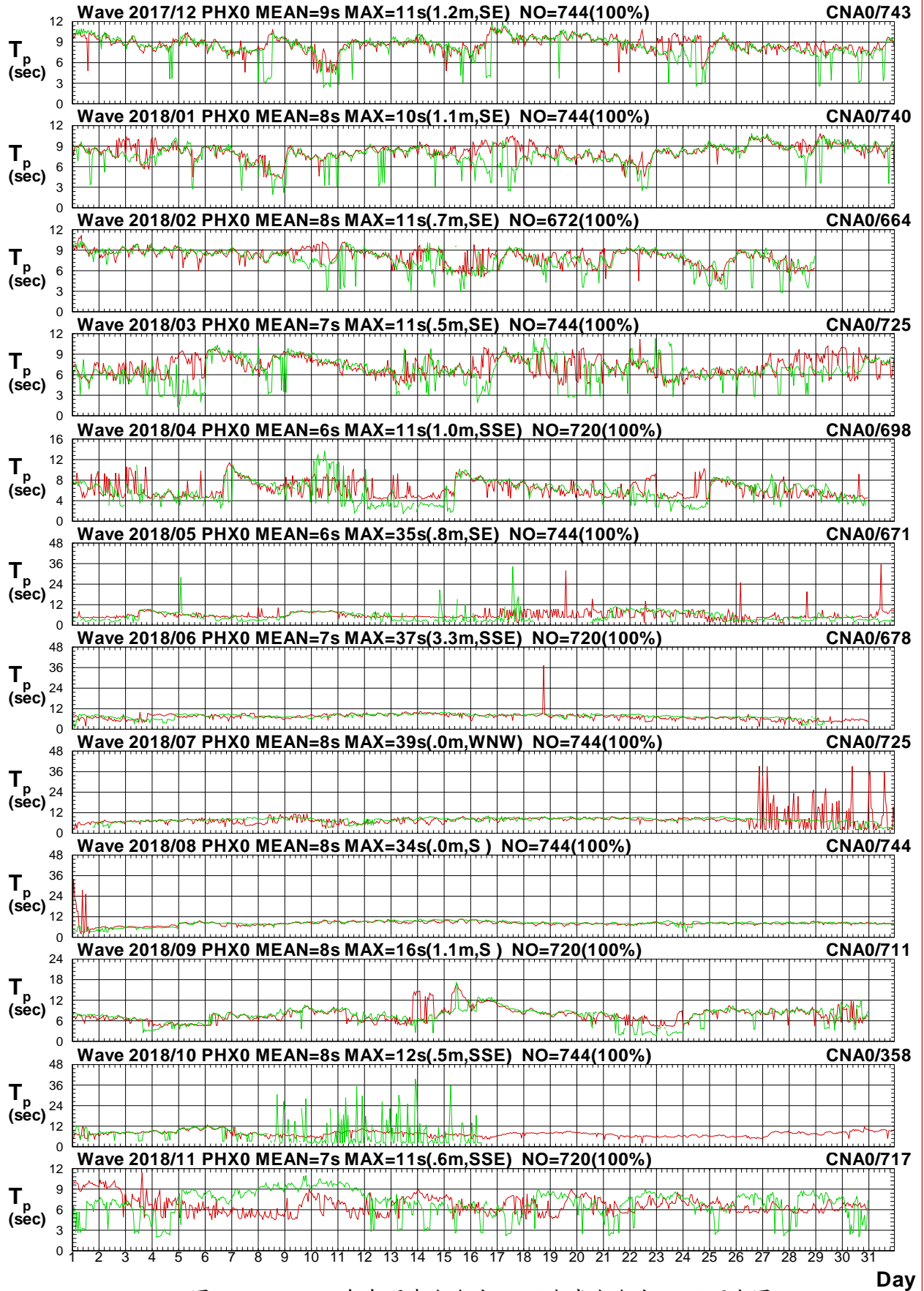


圖2.4.9b 2018年每月澎湖海域 X 站與嘉南海域 A 站週期圖

V17CPHX0.1HA V17CCNA0.1H0 V181PHX0.1HA V181CNA0.1H0 V182PHX0.1HA V182CNA0.1H0
 V183PHX0.1HA V183CNA0.1H0 V184PHX0.1HA V184CNA0.1H0 V185PHX0.1HA V185CNA0.1H0

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Wave Direction in Peng-Hu Harbor of PHX0 at 2018

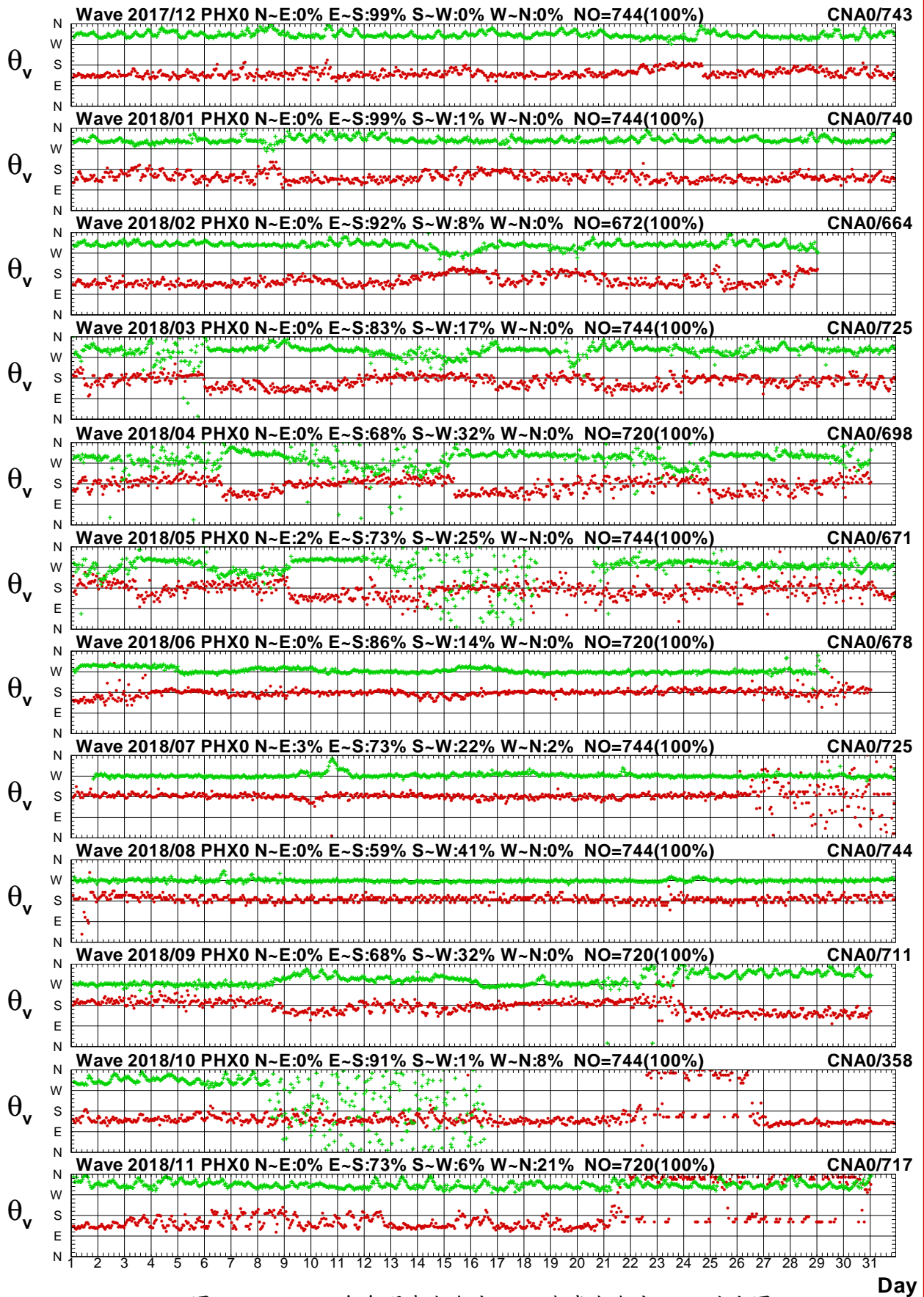


圖2.4.9c 2018年每月澎湖海域 X 站與嘉南海域 A 站波向圖

V17CPHX0.1HA V17CCNA0.1H0 V181PHX0.1HA V181CNA0.1H0 V182PHX0.1HA V182CNA0.1H0
 V183PHX0.1HA V183CNA0.1H0 V184PHX0.1HA V184CNA0.1H0 V185PHX0.1HA V185CNA0.1H0

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Wave H_s in Peng-Hu Harbor of PHX0 at 2018

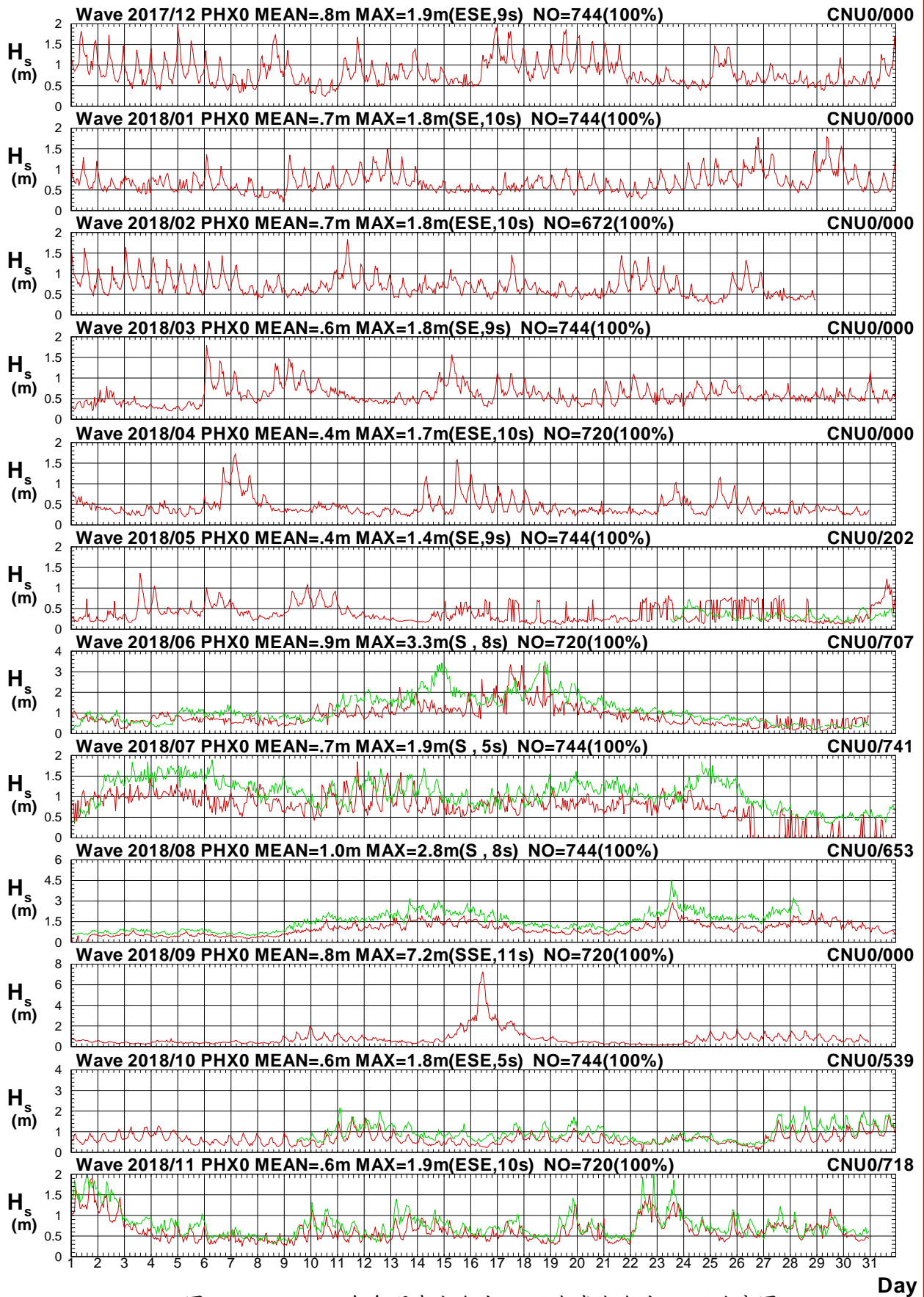


圖2.4.10a 2018年每月澎湖海域 X 站與嘉南海域 U 站波高圖

V17CPHX0.1HA V17CCNU0.1H0 V181PHX0.1HA V181CNU0.1H0 V182PHX0.1HA V182CNU0.1H0
 V183PHX0.1HA V183CNU0.1H0 V184PHX0.1HA V184CNU0.1H0 V185PHX0.1HA V185CNU0.1H0

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Wave T_p in Peng-Hu Harbor of PHX0 at 2018

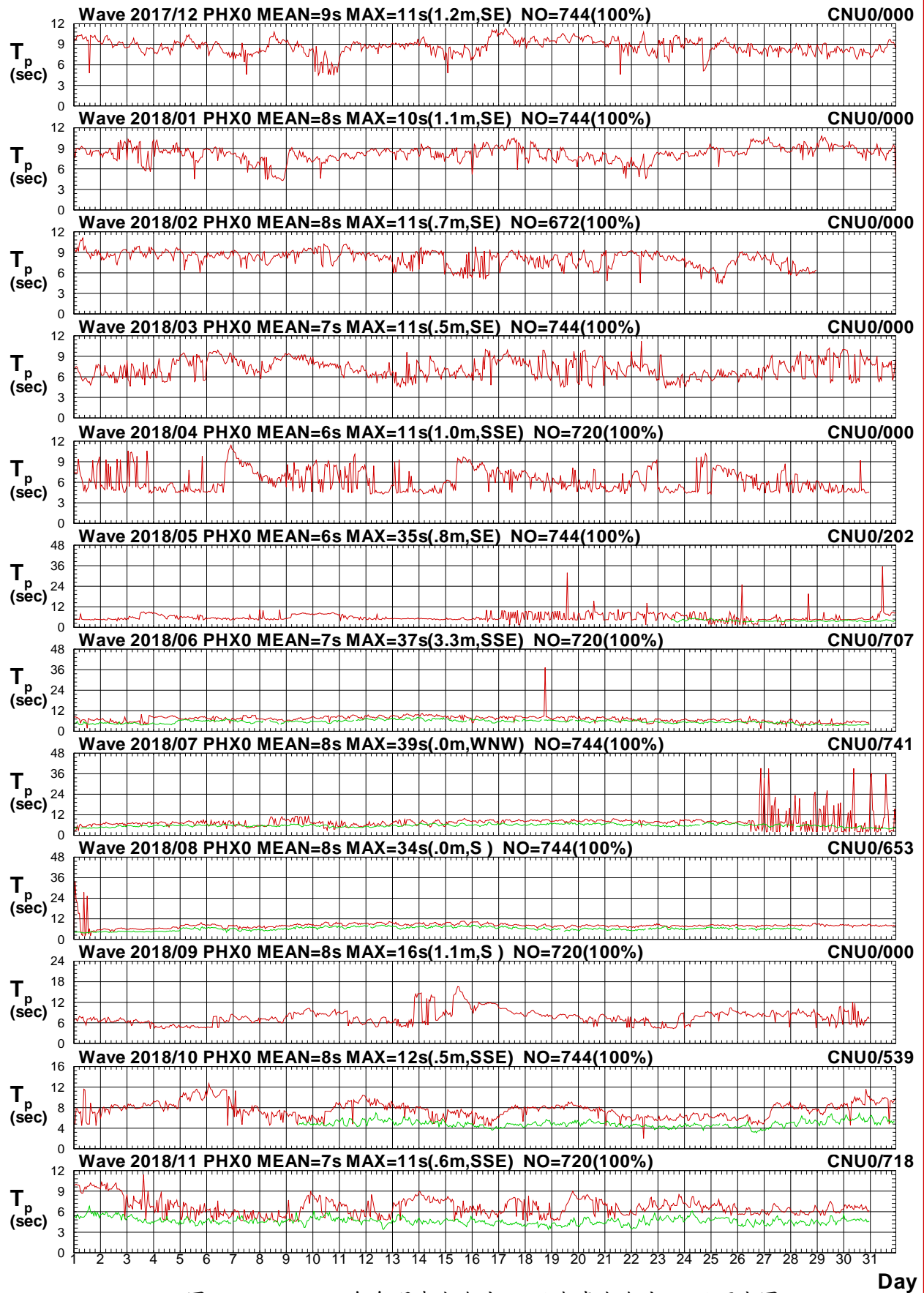


圖 2.4.10b 2018 年每月澎湖海域 X 站與嘉南海域 U 站週期圖

V17CPHX0.1HA V17CCNU0.1H0 V181PHX0.1HA V181CNU0.1H0 V182PHX0.1HA V182CNU0.1H0
 V183PHX0.1HA V183CNU0.1H0 V184PHX0.1HA V184CNU0.1H0 V185PHX0.1HA V185CNU0.1H0

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Wave Direction in Peng-Hu Harbor of PHX0 at 2018

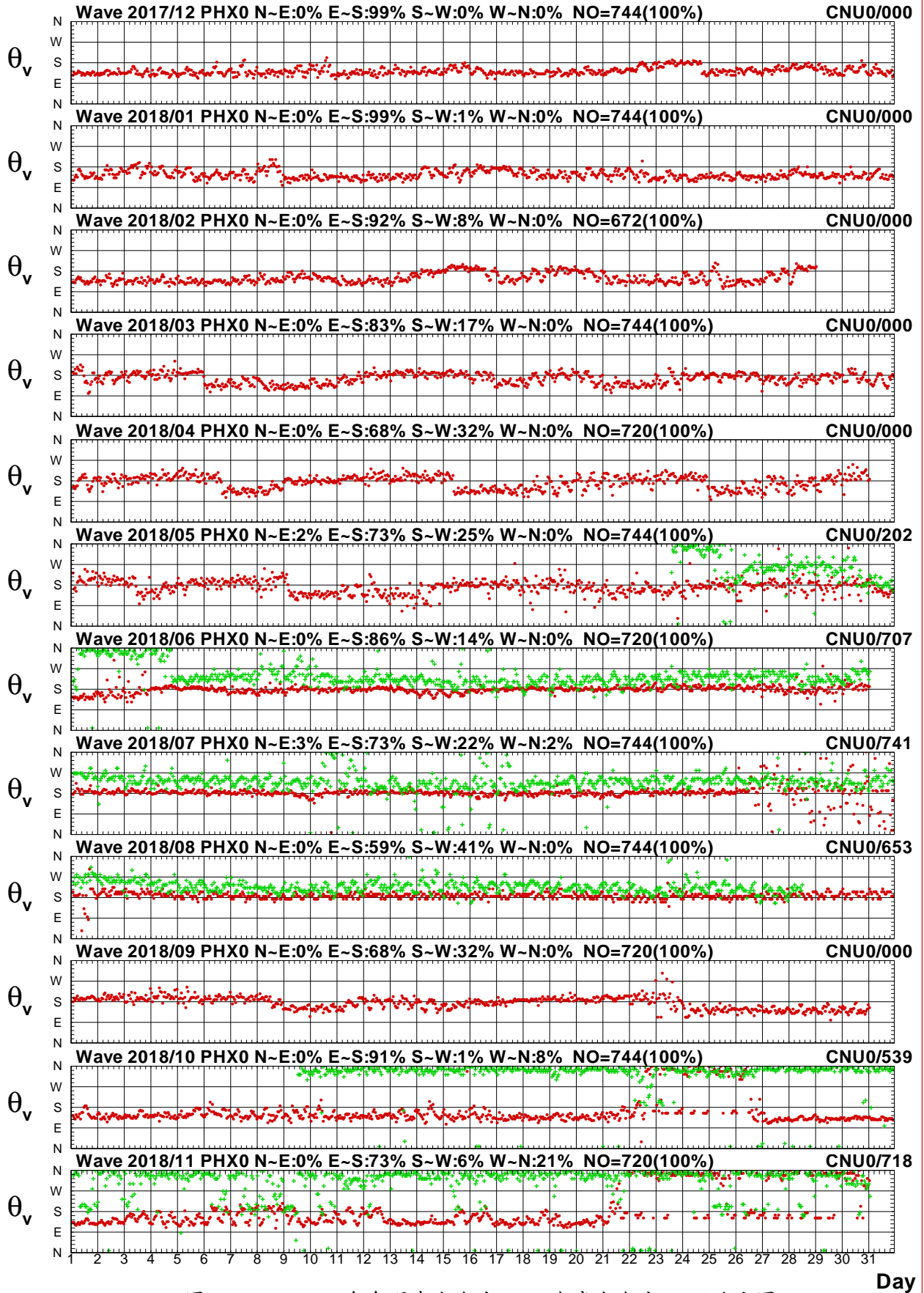


圖2.4.10c 2018年每月澎湖海域 X 站與嘉南海域 U 站波向圖

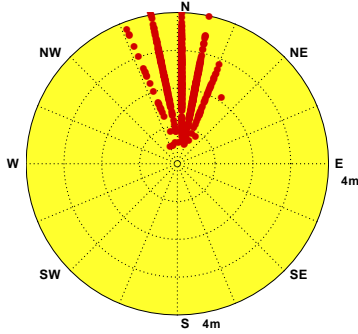
V17CPHX0.1HA V17CCNU0.1H0 V181PHX0.1HA V181CNU0.1H0 V182PHX0.1HA V182CNU0.1H0
 V183PHX0.1HA V183CNU0.1H0 V184PHX0.1HA V184CNU0.1H0 V185PHX0.1HA V185CNU0.1H0

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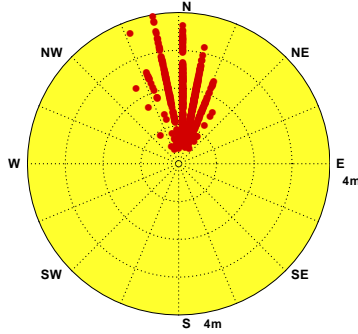
2.5 2018 年澎湖海域波浪各測站修補前 波浪向量分佈圖

Distribution of H_s Vectors

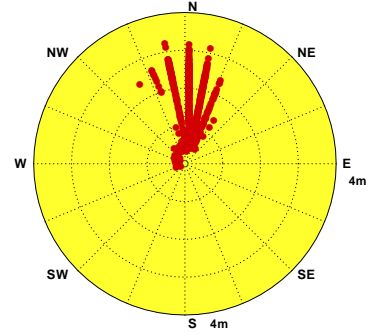
Wave of PHY0 at 2017/12 NO=693(93%)
 Hs : MEAN=2.0m MAX=4.1m(NNW,7s)
 N-E:76% E-S:0% S-W:0% W-N:24%



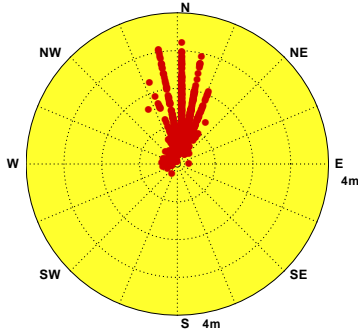
Wave of PHY0 at 2018/01 NO=694(93%)
 Hs : MEAN=1.7m MAX=3.8m(NNW,7s)
 N-E:78% E-S:0% S-W:0% W-N:22%



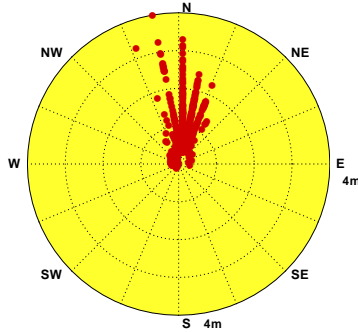
Wave of PHY0 at 2018/02 NO=638(95%)
 Hs : MEAN=1.5m MAX=3.1m(NNW,6s)
 N-E:74% E-S:0% S-W:2% W-N:24%



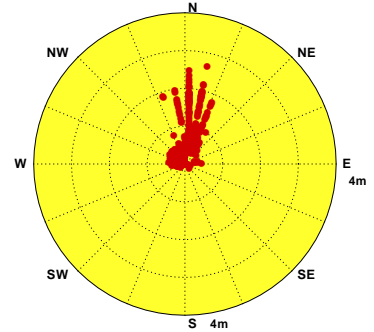
Wave of PHY0 at 2018/03 NO=688(92%)
 Hs : MEAN=1.0m MAX=3.1m(N, 7s)
 N-E:71% E-S:0% S-W:5% W-N:24%



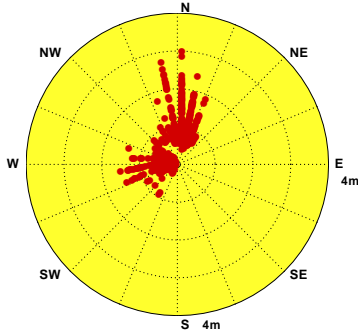
Wave of PHY0 at 2018/04 NO=645(90%)
 Hs : MEAN=.7m MAX=3.9m(NNW,7s)
 N-E:49% E-S:0% S-W:22% W-N:29%



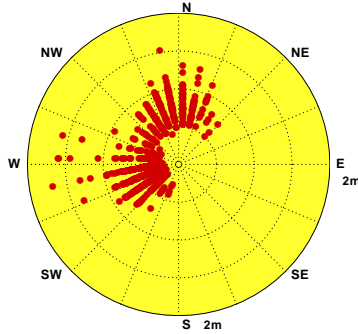
Wave of PHY0 at 2018/05 NO=676(91%)
 Hs : MEAN=.5m MAX=2.5m(N, 6s)
 N-E:30% E-S:1% S-W:26% W-N:43%



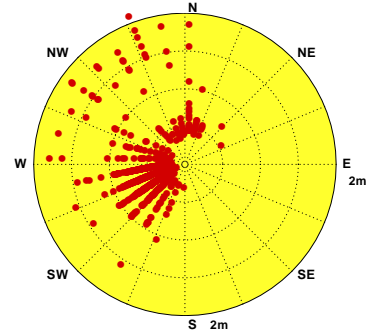
Wave of PHY0 at 2018/06 NO=684(95%)
 Hs : MEAN=.7m MAX=2.8m(N, 6s)
 N-E:39% E-S:0% S-W:40% W-N:21%



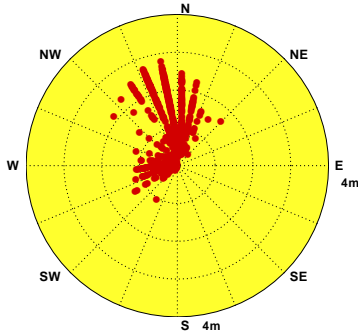
Wave of PHY0 at 2018/07 NO=744(100%)
 Hs : MEAN=.6m MAX=1.8m(WSW,6s)
 N-E:13% E-S:0% S-W:61% W-N:26%



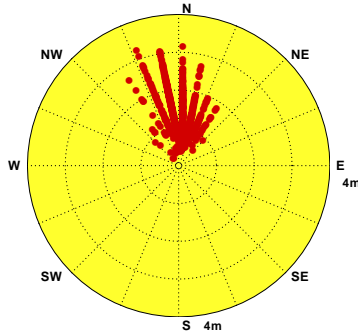
Wave of PHY0 at 2018/08 NO=742(100%)
 Hs : MEAN=.7m MAX=2.0m(NNW,5s)
 N-E:4% E-S:0% S-W:82% W-N:14%



Wave of PHY0 at 2018/09 NO=715(99%)
 Hs : MEAN=1.0m MAX=2.7m(NNW,6s)
 N-E:17% E-S:0% S-W:34% W-N:49%



Wave of PHY0 at 2018/10 NO=741(100%)
 Hs : MEAN=1.4m MAX=3.1m(NNW,6s)
 N-E:54% E-S:0% S-W:0% W-N:46%



Wave of PHY0 at 2018/11 NO=643(89%)
 Hs : MEAN=1.3m MAX=3.9m(NNW,7s)
 N-E:61% E-S:0% S-W:0% W-N:39%

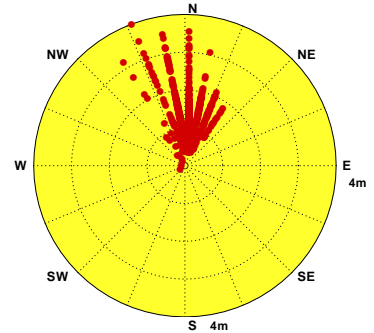


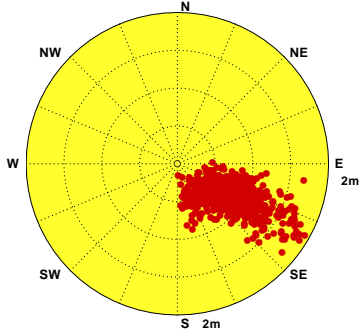
圖2.5.1 2018年澎湖海域每月 Y 站修補前觀測波高向量分佈圖

V17CPHY0.1HO V181PHY0.1HO V182PHY0.1HO V183PHY0.1HO V184PHY0.1HO V185PHY0.1HO
 V186PHY0.1HO V187PHY0.1HO V188PHY0.1HO V189PHY0.1HO V18APHY0.1HO V18BPHY0.1HO

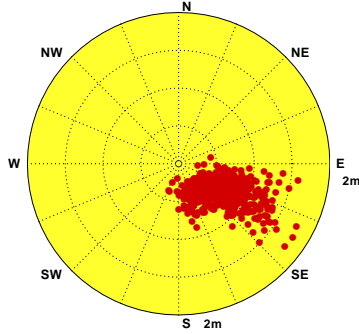
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Distribution of H_s Vectors

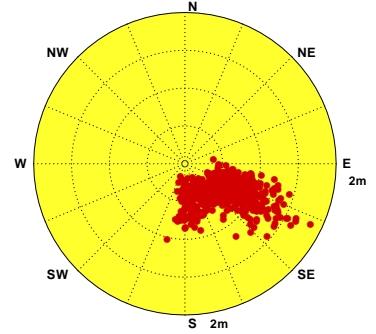
Wave of PHX0 at 2017/12 NO=744(100%)
Hs : MEAN=.8m MAX=1.9m(ESE,9s)
N-E:0% E-S:99% S-W:0% W-N:0%



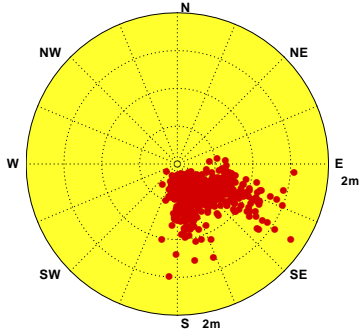
Wave of PHX0 at 2018/01 NO=744(100%)
Hs : MEAN=.7m MAX=1.8m(SE,10s)
N-E:0% E-S:99% S-W:1% W-N:0%



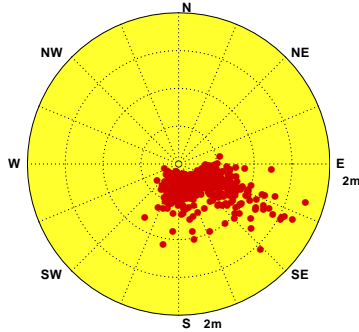
Wave of PHX0 at 2018/02 NO=672(100%)
Hs : MEAN=.7m MAX=1.8m(ESE,10s)
N-E:0% E-S:92% S-W:8% W-N:0%



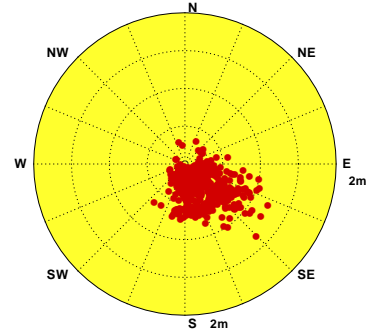
Wave of PHX0 at 2018/03 NO=744(100%)
Hs : MEAN=.6m MAX=1.8m(SE,9s)
N-E:0% E-S:83% S-W:17% W-N:0%



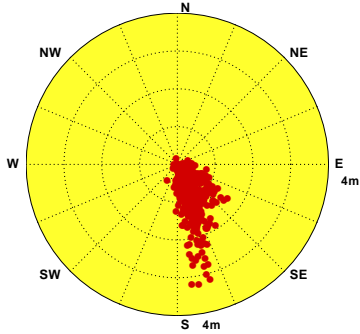
Wave of PHX0 at 2018/04 NO=720(100%)
Hs : MEAN=.4m MAX=1.7m(ESE,10s)
N-E:0% E-S:68% S-W:32% W-N:0%



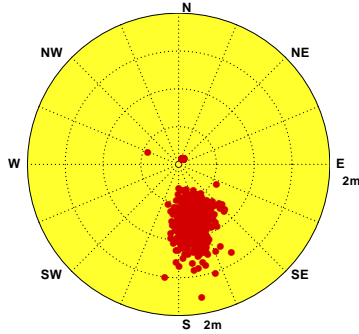
Wave of PHX0 at 2018/05 NO=687(92%)
Hs : MEAN=.4m MAX=1.4m(SE,9s)
N-E:1% E-S:72% S-W:27% W-N:0%



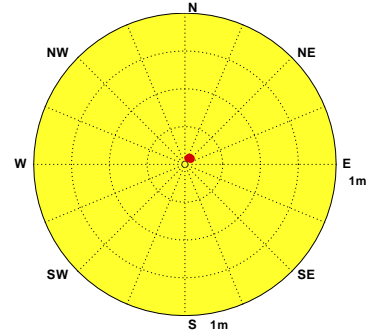
Wave of PHX0 at 2018/06 NO=697(97%)
Hs : MEAN=.9m MAX=3.3m(S, 8s)
N-E:0% E-S:86% S-W:14% W-N:0%



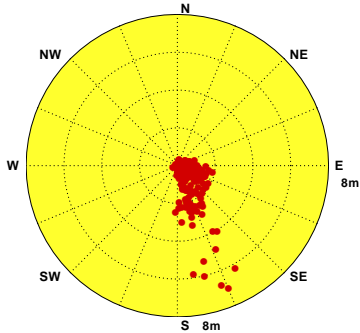
Wave of PHX0 at 2018/07 NO=699(94%)
Hs : MEAN=.7m MAX=1.9m(S, 5s)
N-E:3% E-S:77% S-W:18% W-N:2%



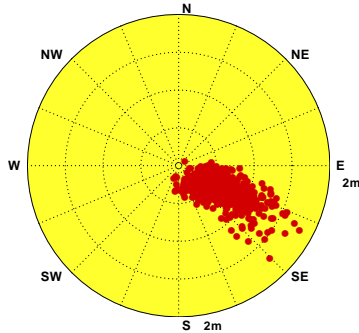
Wave of PHX0 at 2018/08 NO=14(2%)
Hs : MEAN=.0m MAX=0m(N, 3s)
N-E:21% E-S:14% S-W:51% W-N:14%



Wave of PHX0 at 2018/09 NO=720(100%)
Hs : MEAN=.8m MAX=7.2m(SSE,11s)
N-E:0% E-S:68% S-W:32% W-N:0%



Wave of PHX0 at 2018/10 NO=648(87%)
Hs : MEAN=.7m MAX=1.8m(ESE,5s)
N-E:0% E-S:99% S-W:1% W-N:0%



Wave of PHX0 at 2018/11 NO=491(68%)
Hs : MEAN=.6m MAX=1.9m(ESE,10s)
N-E:0% E-S:92% S-W:8% W-N:0%

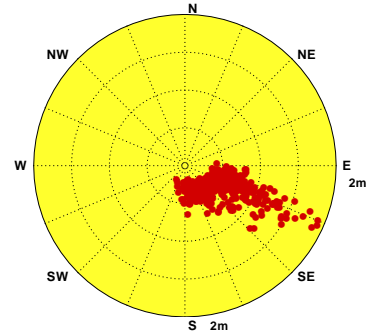


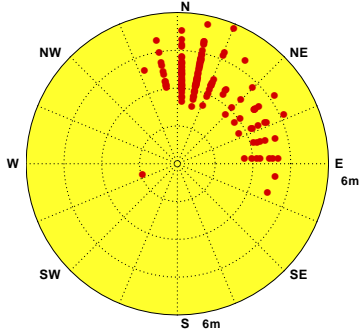
圖2.5.2 2018年澎湖海域每月 X 站修補前觀測波高向量分佈圖

V17CPHX0.1HO V181PHX0.1HO V182PHX0.1HO V183PHX0.1HO V184PHX0.1HO V185PHX0.1HO
V186PHX0.1HO V187PHX0.1HO V188PHX0.1HO V189PHX0.1HO V18APHX0.1HO V18BPHX0.1HO

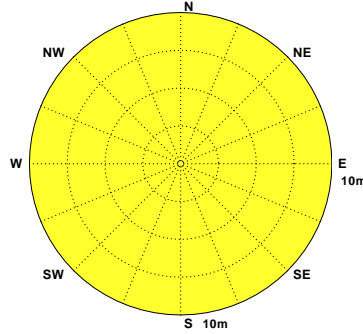
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Distribution of H_s Vectors

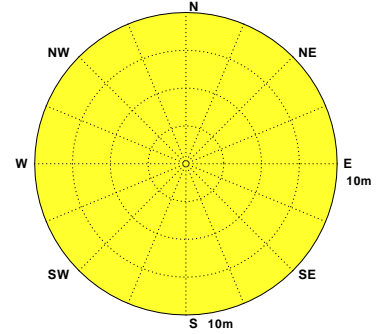
Wave of PHR0 at 2017/12 NO=150(20%)
 Hs : MEAN=3.4m MAX=5.5m(NNE,7s)
 N-E:84% E-S:6% S-W:1% W-N:9%



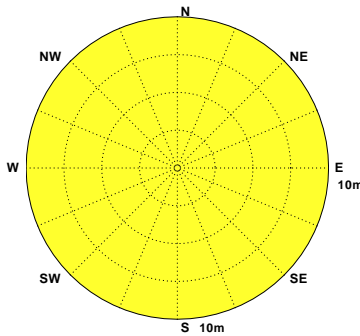
Wave of PHR0 at 2018/01



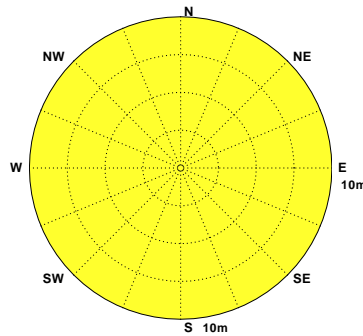
Wave of PHR0 at 2018/02



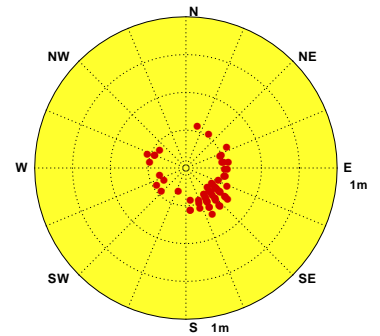
Wave of PHR0 at 2018/03



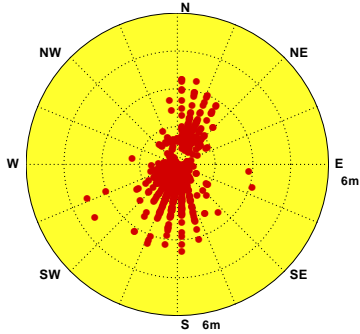
Wave of PHR0 at 2018/04



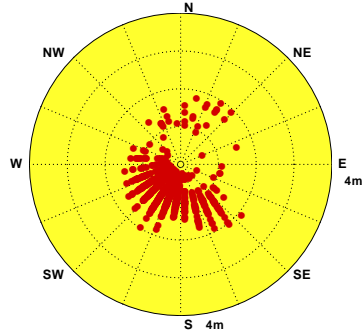
Wave of PHR0 at 2018/05 NO=62(8%)
 Hs : MEAN=.3m MAX=4m(SSE,3s)
 N-E:8% E-S:71% S-W:13% W-N:8%



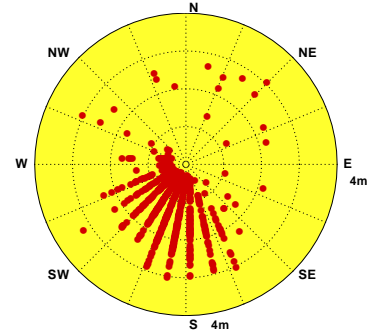
Wave of PHR0 at 2018/06 NO=712(99%)
 Hs : MEAN=1.2m MAX=4.2m(SW,7s)
 N-E:18% E-S:10% S-W:68% W-N:4%



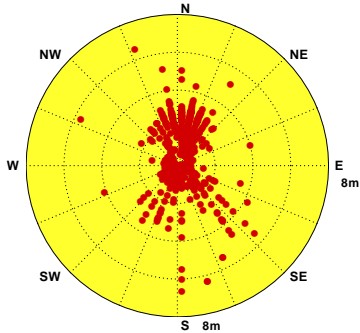
Wave of PHR0 at 2018/07 NO=739(99%)
 Hs : MEAN=1.1m MAX=2.2m(SSW,8s)
 N-E:3% E-S:13% S-W:80% W-N:4%



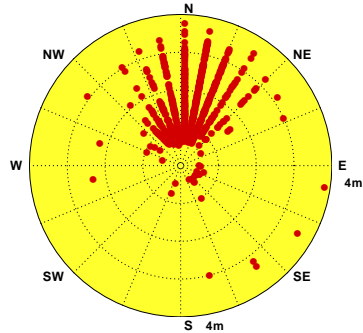
Wave of PHR0 at 2018/08 NO=739(99%)
 Hs : MEAN=1.4m MAX=3.4m(SW,6s)
 N-E:1% E-S:8% S-W:87% W-N:4%



Wave of PHR0 at 2018/09 NO=718(100%)
 Hs : MEAN=1.4m MAX=6.9m(S, 9s)
 N-E:28% E-S:19% S-W:38% W-N:15%



Wave of PHR0 at 2018/10 NO=734(99%)
 Hs : MEAN=1.6m MAX=3.8m(E, 7s)
 N-E:72% E-S:2% S-W:0% W-N:26%



Wave of PHR0 at 2018/11 NO=717(100%)
 Hs : MEAN=1.4m MAX=4.2m(N, 7s)
 N-E:49% E-S:18% S-W:1% W-N:32%

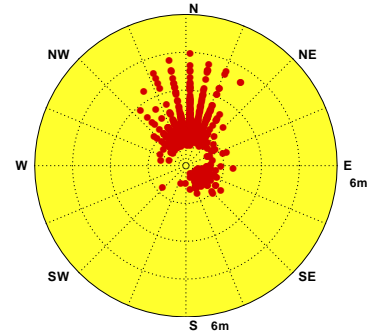


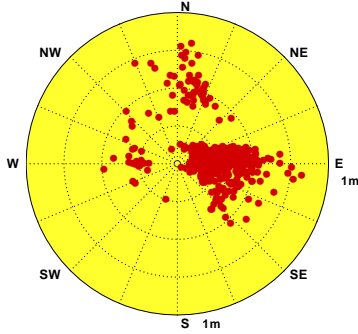
圖2.5.3 2018年澎湖海域每月 R 站修補前觀測波高向量分佈圖

V17CPHR0.1H0 V181PHR0.1H0 V182PHR0.1H0 V183PHR0.1H0 V184PHR0.1H0 V185PHR0.1H0
 V186PHR0.1H0 V187PHR0.1H0 V188PHR0.1H0 V189PHR0.1H0 V18APHR0.1H0 V18BPHR0.1H0

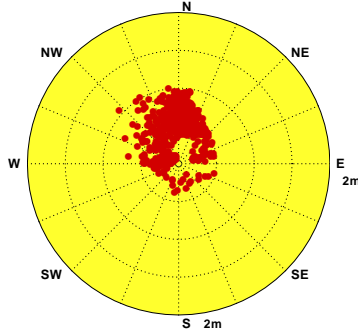
Institute of Harbor & Marine Technology

Distribution of H_s Vectors

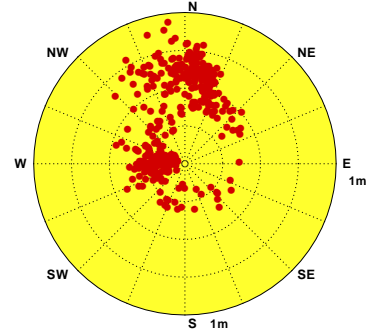
Wave of PHA0 at 2017/12 NO=715(96%)
 Hs : MEAN=.3m MAX=.8m(E, 10s)
 N-E:48% E-S:47% S-W:2% W-N:3%



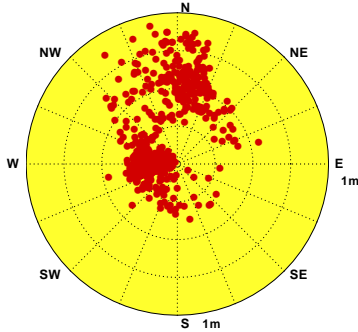
Wave of PHA0 at 2018/01 NO=689(93%)
 Hs : MEAN=.5m MAX=1.0m(NW,10s)
 N-E:43% E-S:3% S-W:15% W-N:39%



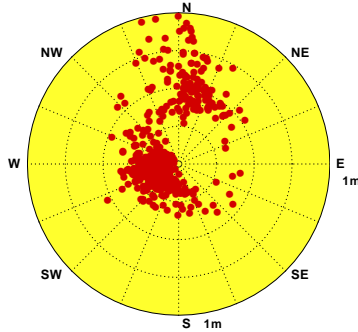
Wave of PHA0 at 2018/02 NO=460(68%)
 Hs : MEAN=.4m MAX=.9m(N, 4s)
 N-E:32% E-S:2% S-W:36% W-N:30%



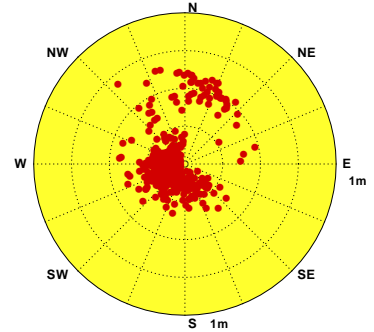
Wave of PHA0 at 2018/03 NO=729(98%)
 Hs : MEAN=.3m MAX=.9m(NNW,3s)
 N-E:19% E-S:2% S-W:51% W-N:28%



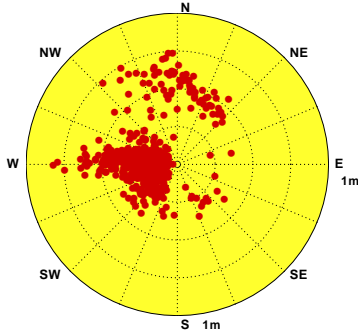
Wave of PHA0 at 2018/04 NO=714(99%)
 Hs : MEAN=.3m MAX=.9m(NNW,4s)
 N-E:14% E-S:3% S-W:64% W-N:19%



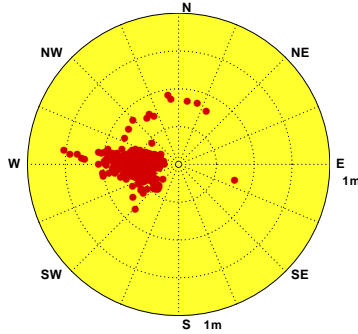
Wave of PHA0 at 2018/05 NO=721(97%)
 Hs : MEAN=.2m MAX=.7m(NW,3s)
 N-E:6% E-S:6% S-W:68% W-N:20%



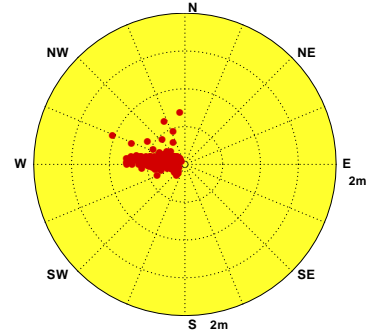
Wave of PHA0 at 2018/06 NO=716(99%)
 Hs : MEAN=.3m MAX=.9m(W, 9s)
 N-E:5% E-S:2% S-W:66% W-N:27%



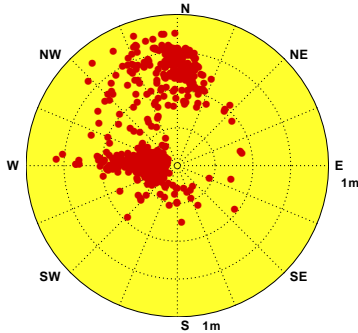
Wave of PHA0 at 2018/07 NO=497(67%)
 Hs : MEAN=.3m MAX=.8m(W, 6s)
 N-E:1% E-S:0% S-W:74% W-N:25%



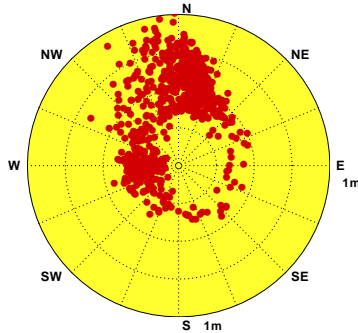
Wave of PHA0 at 2018/08 NO=587(79%)
 Hs : MEAN=.3m MAX=1.1m(WNW,3s)
 N-E:0% E-S:0% S-W:70% W-N:30%



Wave of PHA0 at 2018/09 NO=715(99%)
 Hs : MEAN=.4m MAX=.9m(NNW,3s)
 N-E:11% E-S:1% S-W:49% W-N:39%



Wave of PHA0 at 2018/10 NO=720(97%)
 Hs : MEAN=.4m MAX=1.0m(N, 4s)
 N-E:39% E-S:3% S-W:22% W-N:36%



Wave of PHA0 at 2018/11 NO=506(70%)
 Hs : MEAN=.4m MAX=1.0m(N, 4s)
 N-E:28% E-S:3% S-W:32% W-N:37%

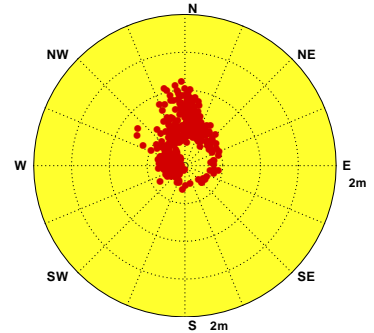


圖2.5.4 2018年澎湖海域每月 A 站修補前觀測波高向量分佈圖

V17CPHA0.1HO V181PHA0.1HO V182PHA0.1HO V183PHA0.1HO V184PHA0.1HO V185PHA0.1HO
 V186PHA0.1HO V187PHA0.1HO V188PHA0.1HO V189PHA0.1HO V18APHA0.1HO V18BPHA0.1HO

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第三章 2018 年澎湖海域觀測潮汐資料年報

澎湖海域潮汐之觀測包括測站 **T**、測站 **F**、測站 **S**、測站 **X**、測站 **L**、測站 **A**、測站 **Q**、測站 **P** 及測站 **J** 等 6 個測站(測站位置如第 O 章圖 TG1)。測站 **T** 與前 6 個測站特性皆相近，測站 **P**、測站 **J** 兩者不相同，與上述其他 7 個測站特性也不相同。本年報取經檢核及補遺之測站 **T** 資料作為**主要測站 1**，測站 **P** 資料作為**主要測站 2**，測站 **J** 資料作為**主要測站 3**。

3.1 2018 年澎湖海域觀測潮汐資料年報圖表

本章第 1 節**潮汐**年報資料處理之圖表包括：

1. 表 3.1.1a 2018 年**各觀測站**每月**觀測潮汐**資料**修補前**記錄表。
2. 表 3.1.1b 2018 年**主要測站**每月**觀測潮汐**資料**修補後**記錄表。
3. 表 3.1.2 2018 年**主要測站 1** **修補後**每月(季)及整年觀測潮位、潮差及週期重要統計量統計表。
4. 表 3.1.3 2018 年**主要測站 2** **修補後**每月(季)及整年觀測潮位、潮差及週期重要統計量統計表。
5. 表 3.1.4 2018 年**主要測站 3** **修補後**每月(季)及整年觀測潮位、潮差及週期重要統計量統計表。
6. 圖 3.1.1 2018 年**主要測站 1** **修補前後**每月觀測潮位歷線比較圖。
7. 圖 3.1.2 2018 年**主要測站 1** **修補後**每月觀測潮位及計算天文潮位歷線比較圖。
8. 圖 3.1.3 2018 年**主要測站 2** **修補前後**每月觀測潮位歷線比較圖。

9. 圖 3.1.4 2018 年**主要測站 2 修補後**每月觀測潮位及計算天文潮位歷線比較圖。

10. 圖 3.1.5 2018 年**主要測站 3 修補前後**每月觀測潮位歷線比較圖。

11. 圖 3.1.6 2018 年**主要測站 3 修補後**每月觀測潮位及計算天文潮位歷線比較圖。

第 2 節潮汐年報資料處理之圖表包括：2018 年澎湖海域**各測站修補前**每月(季)及整年潮位、潮差及週期重要統計量統計表。

第 3 節潮汐年報資料處理之統計圖包括：2018 年澎湖海域**主要測站 1 修補後與其他測站(修補前)**每月觀測潮位歷線比較圖。

第 4 節潮汐年報資料處理之統計圖包括：2018 年澎湖海域**主要測站 2 修補後與其他測站(修補前)**每月觀測潮位歷線比較圖。

第 5 節潮汐年報資料處理之統計圖包括：2018 年澎湖海域**主要測站 3 修補後與其他測站(修補前)**每月觀測潮位歷線比較圖。

表 3.1.1a 2018 年每月澎湖海域修補前各測站觀測潮汐資料紀錄表

3-1-3

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	T	P	J	X	S	A	F	Q	L			
2017/12月	*	567(76.2%)	317(42.6%)	744(100%)	*	715(96.1%)	567(76.2%)	*	*	*	*	*
2018/ 1月	179(24.1%)	694(93.3%)	706(94.9%)	744(100%)	178(23.9%)	689(92.6%)	705(94.8%)	*	*	*	*	*
2018/ 2月	97(14.4%)	654(97.3%)	642(95.5%)	672(100%)	438(65.2%)	460(68.5%)	653(97.2%)	*	*	*	*	*
2018/ 3月	686(92.2%)	707(95.0%)	695(93.4%)	744(100%)	415(55.8%)	729(98.0%)	705(94.8%)	*	*	*	*	*
2018/ 4月	694(96.4%)	693(96.3%)	690(95.8%)	720(100%)	690(95.8%)	714(99.2%)	697(96.8%)	*	*	*	*	*
2018/ 5月	743(99.9%)	455(61.2%)	458(61.6%)	700(94.1%)	743(99.9%)	721(96.9%)	467(62.8%)	*	*	*	*	*
2018/ 6月	719(99.9%)	658(91.4%)	680(94.4%)	718(99.7%)	719(99.9%)	716(99.4%)	672(93.3%)	*	*	*	*	*
2018/ 7月	744(100%)	695(93.4%)	646(86.8%)	679(91.3%)	744(100%)	497(66.8%)	683(91.8%)	*	*	*	*	*
2018/ 8月	743(99.9%)	722(97.0%)	721(96.9%)	744(100%)	744(100%)	587(78.9%)	723(97.2%)	*	*	*	*	*
2018/ 9月	713(99.0%)	665(92.4%)	663(92.1%)	720(100%)	715(99.3%)	715(99.3%)	667(92.6%)	*	*	*	*	*
2018/10月	744(100%)	742(99.7%)	743(99.9%)	648(87.1%)	742(99.7%)	720(96.8%)	742(99.7%)	653(87.8%)	652(87.6%)	*	*	*
2018/11月	720(100%)	670(93.1%)	665(92.4%)	492(68.3%)	710(98.6%)	509(70.7%)	671(93.2%)	710(98.6%)	709(98.5%)	*	*	*
2018/冬季	276(12.8%)	1915(88.7%)	1665(77.1%)	2160(100%)	616(28.5%)	1864(86.3%)	1925(89.1%)	*	*	*	*	*
2018/春季	2123(96.2%)	1855(84.0%)	1843(83.5%)	2164(98.0%)	1848(83.7%)	2164(98.0%)	1869(84.6%)	*	*	*	*	*
2018/夏季	2206(99.9%)	2075(94.0%)	2047(92.7%)	2141(97.0%)	2207(99.9%)	1800(81.5%)	2078(94.1%)	*	*	*	*	*
2018/秋季	2177(99.7%)	2077(95.1%)	2071(94.8%)	1860(85.2%)	2167(99.2%)	1944(89.0%)	2080(95.2%)	1363(62.4%)	1361(62.3%)	*	*	*
2018/整年	6782(77.4%)	7922(90.4%)	7626(87.1%)	8325(95.0%)	6838(78.1%)	7772(88.7%)	7952(90.8%)	1363(15.6%)	1361(15.5%)	*	*	*
起始年月	2018/01	2017/12	2017/12	2017/12	2018/01	2017/12	2017/12	2018/10	2018/10	*	*	*
結束年月	2018/11	2018/11	2018/11	2018/11	2018/11	2018/11	2018/11	2018/11	2018/11	*	*	*

表 3.1.1b 2018 年每月澎湖海域修補後各測站潮汐資料紀錄表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	T	P	J									
2017/12 月	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*
2018/ 1 月	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*
2018/ 2 月	672(100%)	672(100%)	672(100%)	*	*	*	*	*	*	*	*	*
2018/ 3 月	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*
2018/ 4 月	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*
2018/ 5 月	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*
2018/ 6 月	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*
2018/ 7 月	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*
2018/ 8 月	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*
2018/ 9 月	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*
2018/10 月	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*	*
2018/11 月	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*	*	*	*
2018/冬季	2160(100%)	2160(100%)	2160(100%)	*	*	*	*	*	*	*	*	*
2018/春季	2208(100%)	2208(100%)	2208(100%)	*	*	*	*	*	*	*	*	*
2018/夏季	2208(100%)	2208(100%)	2208(100%)	*	*	*	*	*	*	*	*	*
2018/秋季	2184(100%)	2184(100%)	2184(100%)	*	*	*	*	*	*	*	*	*
2018/整年	8760(100%)	8760(100%)	8760(100%)	*	*	*	*	*	*	*	*	*
起始年月	2017/12	2017/12	2017/12	*	*	*	*	*	*	*	*	*
結束年月	2018/11	2018/11	2018/11	*	*	*	*	*	*	*	*	*

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表3.1.2 2018年澎湖海域主要測站1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	2017/12	T	172	255	213	245	12.4	13.0	13.0	13.0	59	0	140	-142	744(100%)
2	2018/01	T	179	287	225	259	12.4	14.0	13.2	13.8	59	0	139	-191	744(100%)
3	2018/02	T	175	296	220	254	12.6	26.0	13.8	15.6	52	0	156	-161	672(100%)
4	2018/03	T	192	247	224	235	12.4	14.0	13.3	14.0	59	0	165	-129	744(100%)
5	2018/04	T	191	258	233	248	12.6	24.0	13.6	15.2	56	0	139	-146	720(100%)
6	2018/05	T	177	239	212	232	12.4	13.0	13.0	13.0	59	0	142	-149	744(100%)
7	2018/06	T	184	320	236	294	12.4	14.0	13.1	13.4	57	0	161	-159	720(100%)
8	2018/07	T	184	317	232	288	12.6	25.0	13.7	15.6	58	0	165	-163	744(100%)
9	2018/08	T	193	300	243	282	12.4	14.0	13.1	13.2	59	0	189	-141	744(100%)
10	2018/09	T	199	301	253	281	12.4	14.0	13.1	13.4	57	0	149	-151	720(100%)
11	2018/10	T	206	283	255	270	12.4	14.0	13.3	14.0	59	0	160	-151	744(100%)
12	2018/11	T	198	310	269	302	12.4	14.0	13.2	13.8	57	0	167	-144	720(100%)
13	2018/冬	T	175	296	219	251	12.5	26.0	13.3	14.0	170	0	156	-191	2160(100%)
14	2018/春	T	187	258	225	239	12.5	24.0	13.3	13.9	174	0	165	-149	2208(100%)
15	2018/夏	T	187	320	238	285	12.5	25.0	13.3	13.9	174	0	189	-163	2208(100%)
16	2018/秋	T	201	310	259	287	12.4	14.0	13.2	13.7	173	0	167	-151	2184(100%)
17	2018/年	T	188	320	238	271	12.5	26.0	13.3	13.9	691	0	189	-191	8760(100%)

表3.1.3 2018年澎湖海域主要測站2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	2017/12	P	271	436	340	394	12.4	13.0	13.0	13.0	59	0	196	-243	744(100%)
2	2018/01	P	274	406	341	394	12.4	14.0	13.1	13.2	59	0	207	-236	744(100%)
3	2018/02	P	269	389	328	366	12.4	13.0	13.0	13.0	53	0	200	-205	672(100%)
4	2018/03	P	273	368	331	355	12.4	13.0	13.0	13.0	59	0	191	-204	744(100%)
5	2018/04	P	261	341	314	333	12.4	13.0	13.0	13.0	57	0	181	-179	720(100%)
6	2018/05	P	252	364	319	355	12.4	13.0	13.0	13.0	59	0	171	-200	744(100%)
7	2018/06	P	259	405	321	377	12.4	14.0	13.1	13.4	57	0	209	-200	720(100%)
8	2018/07	P	265	391	324	377	12.6	25.0	13.7	15.6	58	0	188	-233	744(100%)
9	2018/08	P	270	387	329	377	12.4	14.0	13.1	13.2	59	0	221	-193	744(100%)
10	2018/09	P	274	384	335	368	12.4	14.0	13.2	13.6	57	0	205	-190	720(100%)
11	2018/10	P	272	350	330	344	12.4	14.0	13.3	14.0	59	0	187	-191	744(100%)
12	2018/11	P	271	374	335	364	12.4	14.0	13.2	13.6	57	0	175	-209	720(100%)
13	2018/冬	P	272	436	335	382	12.4	14.0	13.0	13.1	171	0	207	-243	2160(100%)
14	2018/春	P	262	368	322	347	12.4	13.0	13.0	13.0	175	0	191	-204	2208(100%)
15	2018/夏	P	264	405	325	374	12.5	25.0	13.3	13.9	174	0	221	-233	2208(100%)
16	2018/秋	P	272	384	334	359	12.4	14.0	13.2	13.6	173	0	205	-209	2184(100%)
17	2018/年	P	267	436	329	365	12.4	25.0	13.1	13.4	693	0	221	-243	8760(100%)

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表3.1.4 2018年澎湖海域主要測站3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	2017/12	J	113	192	156	184	12.6	25.0	13.8	16.2	58	0	84	-121	744(100%)
2	2018/01	J	113	176	151	169	12.8	26.0	14.7	18.6	57	0	93	-108	744(100%)
3	2018/02	J	114	206	144	165	12.4	14.0	13.2	13.6	53	0	98	-136	672(100%)
4	2018/03	J	114	170	141	158	12.4	13.0	13.0	13.0	59	0	86	-107	744(100%)
5	2018/04	J	108	155	137	151	12.4	13.0	13.0	13.0	57	0	76	-95	720(100%)
6	2018/05	J	105	173	146	165	12.4	14.0	13.1	13.2	59	0	74	-105	744(100%)
7	2018/06	J	109	200	155	188	12.4	14.0	13.6	14.0	57	0	105	-95	720(100%)
8	2018/07	J	112	194	159	188	12.8	25.0	14.8	18.2	57	0	100	-108	744(100%)
9	2018/08	J	113	187	150	182	12.6	25.0	14.2	16.4	58	0	96	-102	744(100%)
10	2018/09	J	114	176	146	169	12.4	14.0	13.5	14.0	57	0	99	-97	720(100%)
11	2018/10	J	114	162	151	159	12.7	25.0	14.2	16.4	58	0	100	-92	744(100%)
12	2018/11	J	113	182	155	174	12.5	15.0	13.7	14.2	57	0	81	-106	720(100%)
13	2018/冬	J	113	206	150	173	12.6	26.0	13.9	16.1	168	0	98	-136	2160(100%)
14	2018/春	J	109	173	142	158	12.4	14.0	13.0	13.1	175	0	86	-107	2208(100%)
15	2018/夏	J	111	200	155	184	12.6	25.0	14.2	15.9	172	0	105	-108	2208(100%)
16	2018/秋	J	114	182	151	167	12.5	25.0	13.8	14.8	172	0	100	-106	2184(100%)
17	2018/年	J	112	206	149	171	12.5	26.0	13.7	15.2	687	0	105	-136	8760(100%)

Tidal Level in Peng-Hu Harbor of PHT0 at 2018

1 ○ 8 ● 15 ● 22 ●

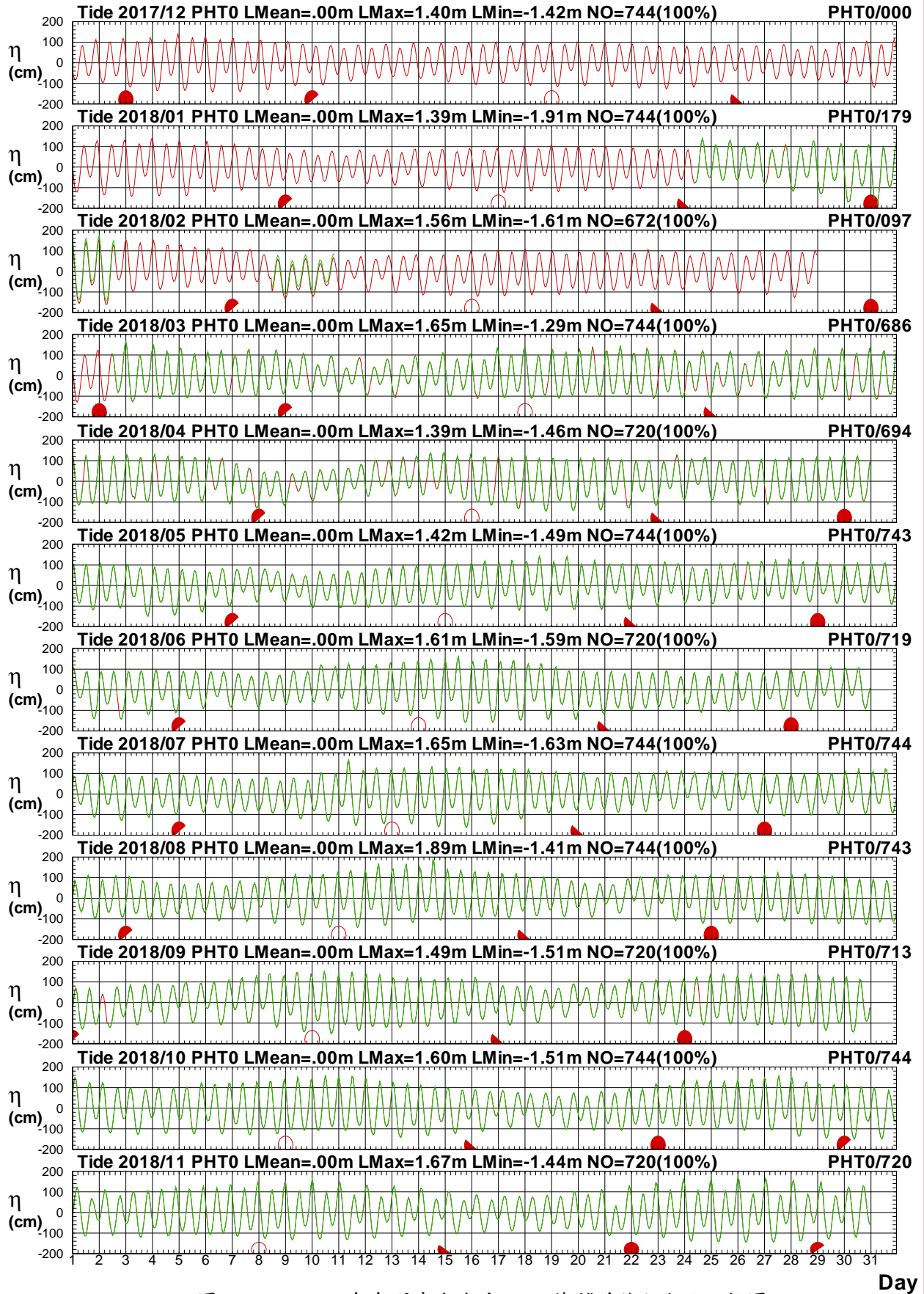


圖3.1.55 2018年每月澎湖海域 T 站修補前後之潮位比較圖

T17CPHT0.1HA T17CPHT0.1H0 T181PHT0.1HA T181PHT0.1H0 T182PHT0.1HA T182PHT0.1H0
T183PHT0.1HA T183PHT0.1H0 T184PHT0.1HA T184PHT0.1H0 T185PHT0.1HA T185PHT0.1H0

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Tidal Level in Peng-Hu Harbor of PHT0 at 2018

1 ○ 8 ● 15 ● 22 ●

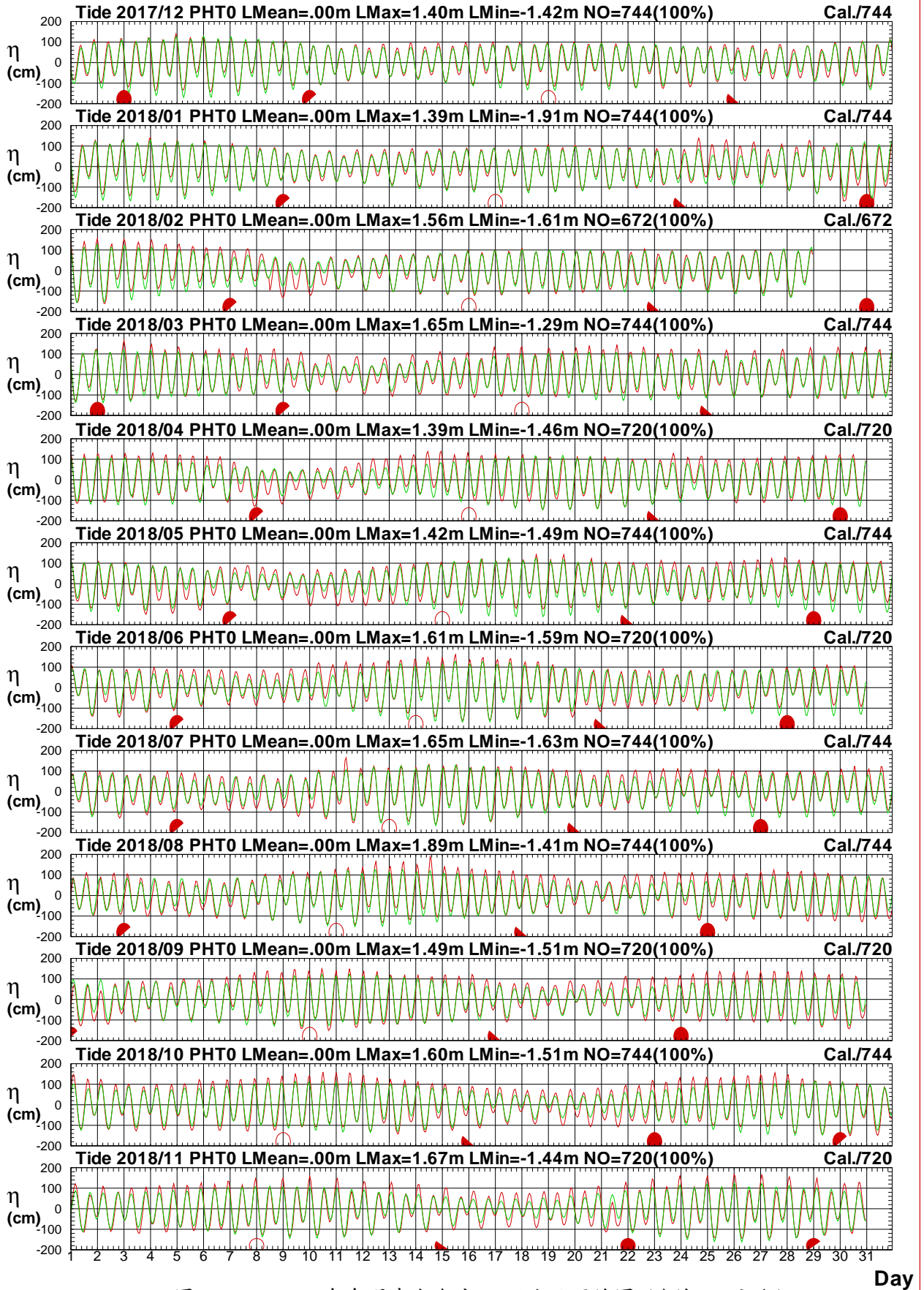


圖3.1.56 2018年每月澎湖海域 T 站潮位歷線圖 (綠線: 天文潮)

T17CPHT0.1HA T17CPHT0.1HC T181PHT0.1HA T181PHT0.1HC T182PHT0.1HA T182PHT0.1HC
T183PHT0.1HA T183PHT0.1HC T184PHT0.1HA T184PHT0.1HC T185PHT0.1HA T185PHT0.1HC

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Tidal Level in Peng-Hu Harbor of PHP0 at 2018

1 ○ 8 ● 15 ● 22 ●

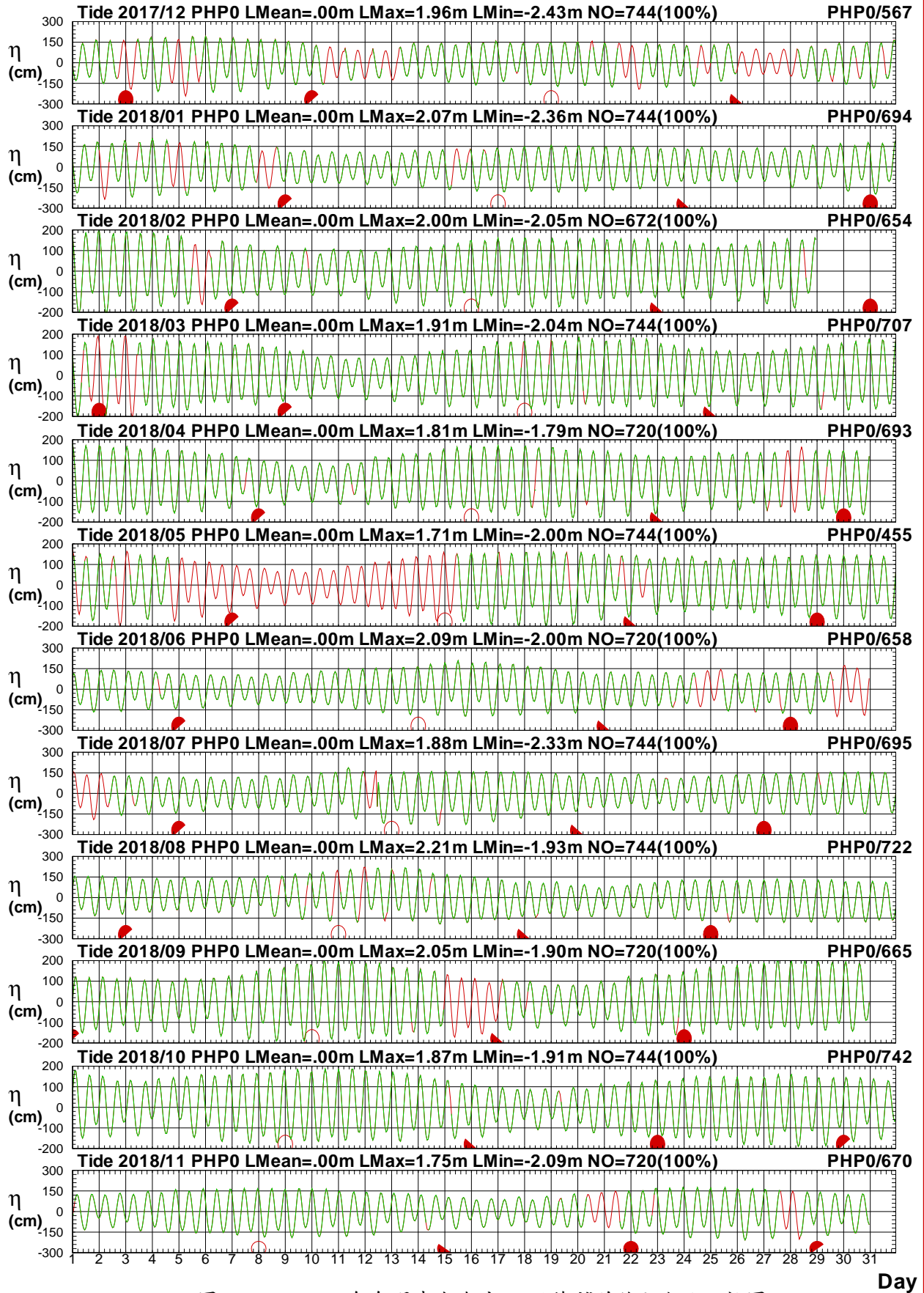


圖3.1.57 2018年每月澎湖海域 P 站修補前後之潮位比較圖

T17C PHP0.1HA T17C PHP0.1HO T181 PHP0.1HA T181 PHP0.1HO T182 PHP0.1HA T182 PHP0.1HO
 T183 PHP0.1HA T183 PHP0.1HO T184 PHP0.1HA T184 PHP0.1HO T185 PHP0.1HA T185 PHP0.1HO

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Tidal Level in Peng-Hu Harbor of PHP0 at 2018

1 ○ 8 ● 15 ● 22 ●

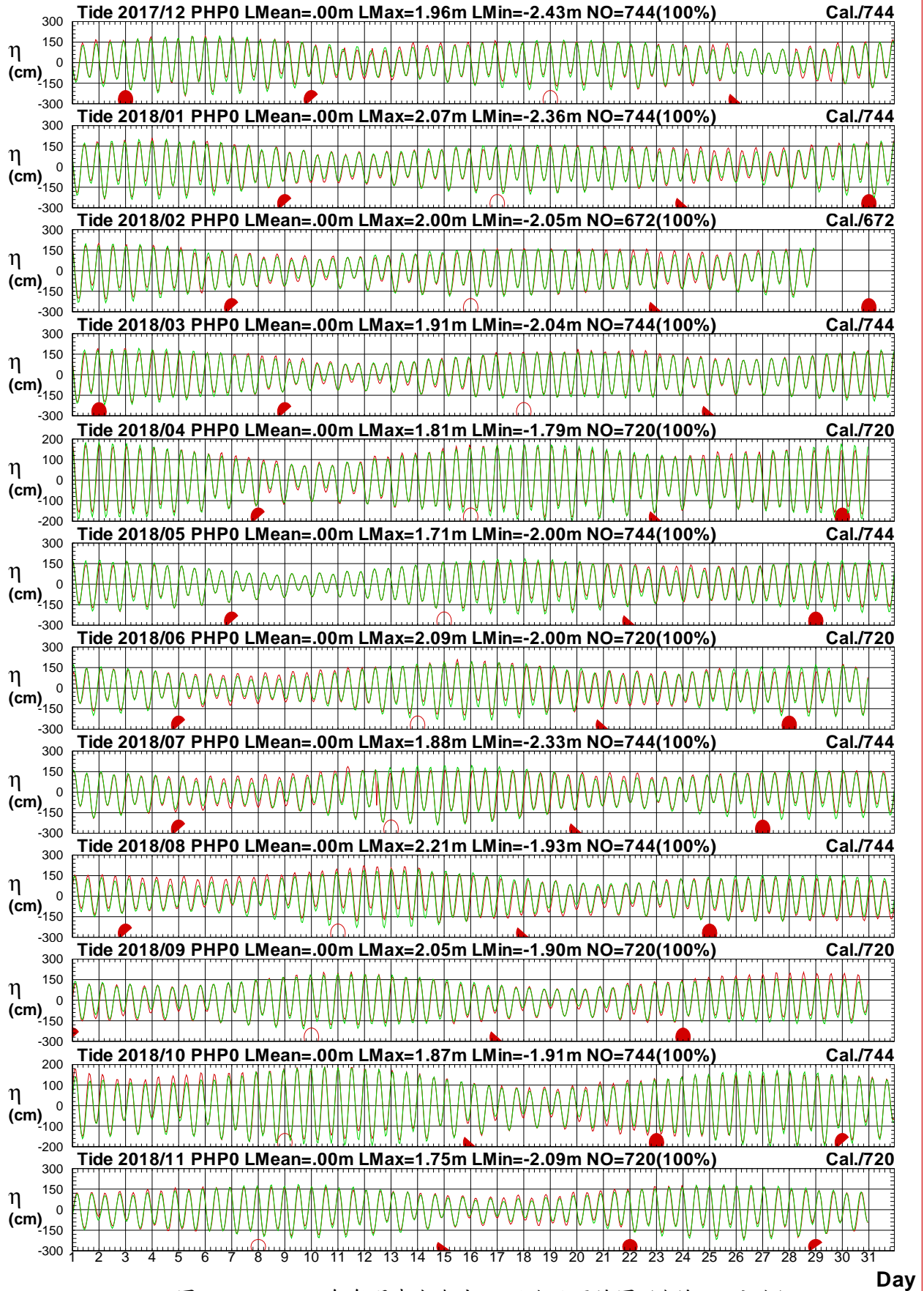


圖3.1.58 2018年每月澎湖海域 P 站潮位歷線圖 (綠線: 天文潮)

T17C PHP0.1HA T17C PHP0.1HC T181 PHP0.1HA T181 PHP0.1HC T182 PHP0.1HA T182 PHP0.1HC
 T183 PHP0.1HA T183 PHP0.1HC T184 PHP0.1HA T184 PHP0.1HC T185 PHP0.1HA T185 PHP0.1HC

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Tidal Level in Peng-Hu Harbor of PHJ0 at 2018

1 ○ 8 ● 15 ● 22 ●

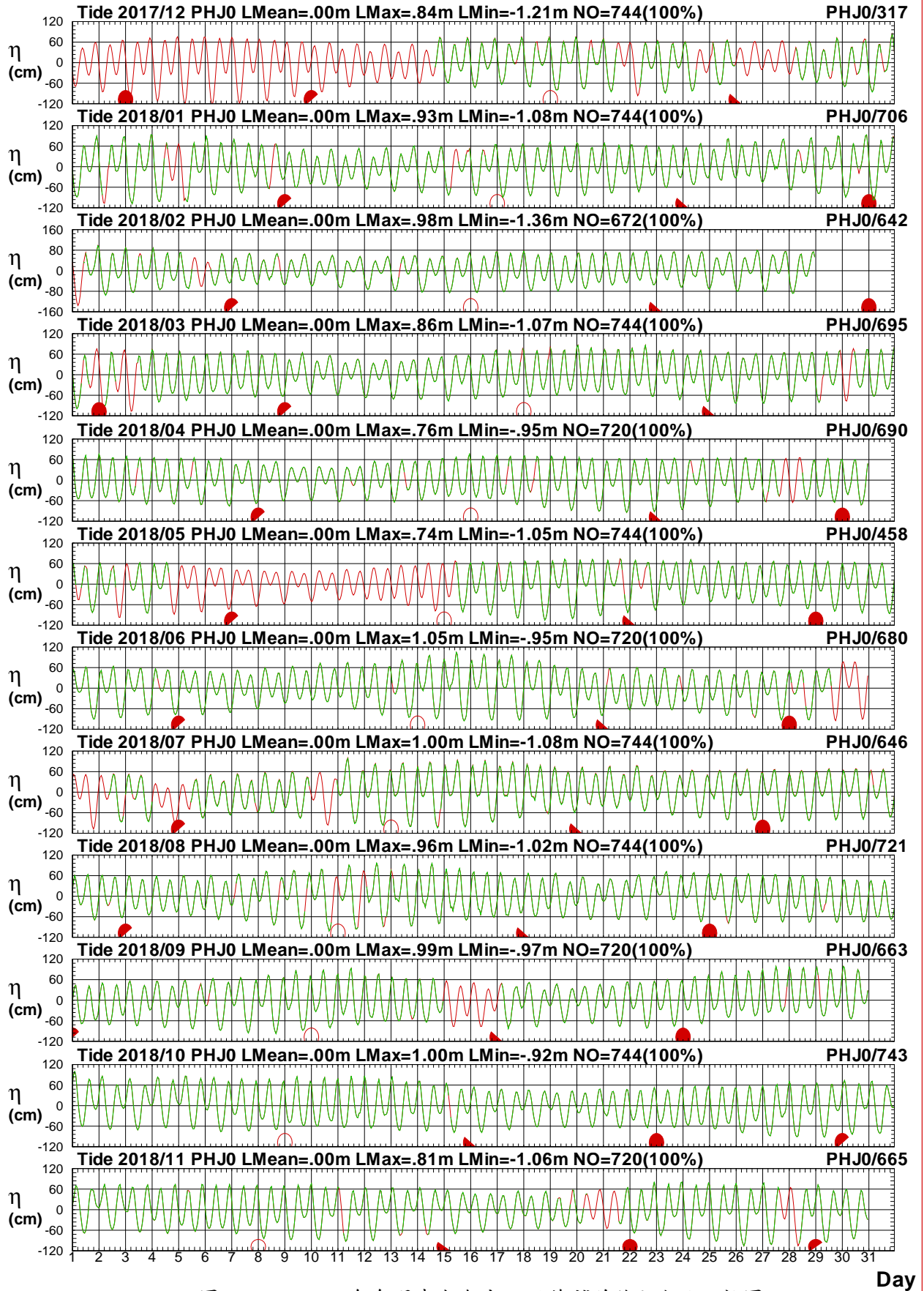


圖3.1.59 2018年每月澎湖海域J站修補前後之潮位比較圖

T17CPHJ0.1HA T17CPHJ0.1H0 T181PHJ0.1HA T181PHJ0.1H0 T182PHJ0.1HA T182PHJ0.1H0
T183PHJ0.1HA T183PHJ0.1H0 T184PHJ0.1HA T184PHJ0.1H0 T185PHJ0.1HA T185PHJ0.1H0

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Tidal Level in Peng-Hu Harbor of PHJ0 at 2018

1 ○ 8 ● 15 ● 22 ●

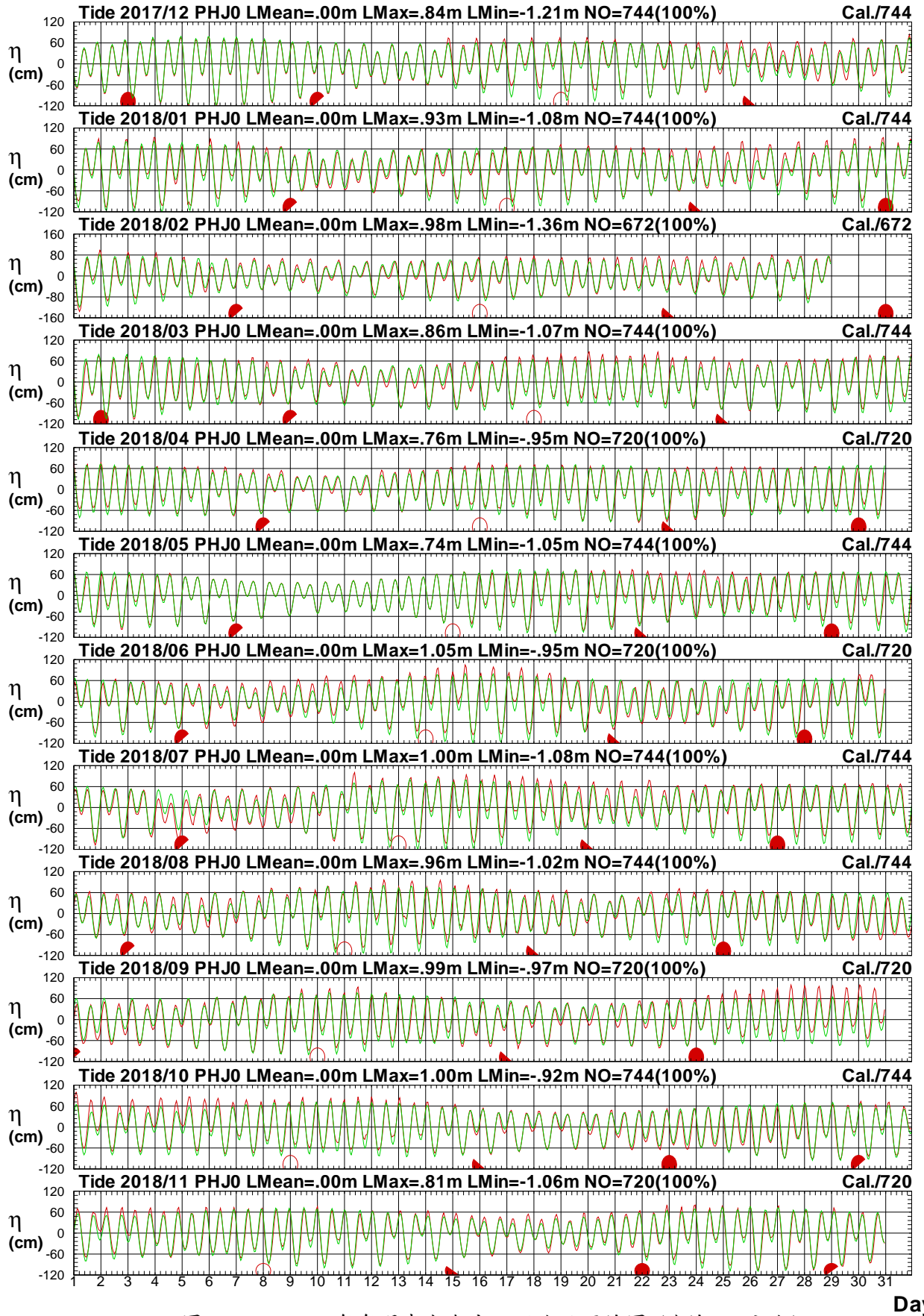


圖3.1.60 2018年每月澎湖海域J站潮位歷線圖 (綠線: 天文潮)

T17CPHJ0.1HA T17CPHJ0.1HC T181PHJ0.1HA T181PHJ0.1HC T182PHJ0.1HA T182PHJ0.1HC
 T183PHJ0.1HA T183PHJ0.1HC T184PHJ0.1HA T184PHJ0.1HC T185PHJ0.1HA T185PHJ0.1HC

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3.2 2018 年澎湖海域各測站修補前 潮汐統計量統計表

表3.2.1 2018年澎湖海域 T 站修補前潮差週期及潮位重要統計量統計表

序號	日期 (年/月)	測站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2017/12	T													
2	2018/01	T	189	252	229	252	13.6	26.0	17.7	26.0	11	0	138	-191	179(24%)
3	2018/02	T	203	296	296	0	12.2	13.0	13.0	.0	5	0	174	-142	97(14%)
4	2018/03	T	187	247	229	241	14.1	26.0	18.3	25.3	44	0	164	-128	686(92%)
5	2018/04	T	193	268	237	255	14.0	25.0	17.4	25.0	48	0	139	-146	694(96%)
6	2018/05	T	177	239	212	232	12.4	13.0	13.0	13.0	59	0	143	-149	743(100%)
7	2018/06	T	184	320	236	294	12.4	14.0	13.1	13.4	57	0	161	-159	719(100%)
8	2018/07	T	184	317	232	288	12.6	25.0	13.7	15.6	58	0	165	-163	744(100%)
9	2018/08	T	192	300	241	282	12.6	25.0	13.7	15.6	58	0	190	-141	743(100%)
10	2018/09	T	199	291	250	271	12.6	25.0	13.8	15.8	56	0	149	-151	713(99%)
11	2018/10	T	206	283	255	270	12.4	14.0	13.3	14.0	59	0	160	-151	744(100%)
12	2018/11	T	198	310	269	302	12.4	14.0	13.2	13.8	57	0	167	-144	720(100%)
13	2018/冬	T	194	296	241	296	13.2	26.0	15.8	26.0	16	0	174	-191	276(13%)
14	2018/春	T	185	268	227	244	13.4	26.0	15.9	22.6	151	0	164	-149	2123(96%)
15	2018/夏	T	187	320	238	285	12.6	25.0	13.5	14.6	173	0	190	-163	2206(100%)
16	2018/秋	T	201	310	258	285	12.5	25.0	13.4	14.4	172	0	167	-151	2177(100%)
17	2018/年	T	191	320	244	276	12.8	26.0	14.2	17.1	512	0	190	-191	6782(77%)

表3.2.2 2018年澎湖海域 F 站修補前潮差週期及潮位重要統計量統計表

序號	日期 (年/月)	測站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2017/12	F	212	314	262	305	14.8	25.0	20.0	25.0	31	0	156	-159	567(76%)
2	2018/01	F	204	325	261	301	13.7	26.0	16.8	25.0	50	0	166	-172	705(95%)
3	2018/02	F	206	327	256	298	12.9	25.0	14.5	19.0	48	0	165	-162	653(97%)
4	2018/03	F	199	271	241	259	13.7	26.0	16.6	25.2	51	0	147	-150	705(95%)
5	2018/04	F	198	269	242	259	12.9	25.0	14.4	17.8	52	0	146	-138	697(97%)
6	2018/05	F	209	286	255	278	12.4	13.0	13.0	13.0	33	0	129	-156	467(63%)
7	2018/06	F	196	320	250	299	12.9	25.0	14.5	18.2	53	0	166	-154	672(93%)
8	2018/07	F	205	307	255	291	13.2	25.0	15.3	20.2	50	0	163	-163	683(92%)
9	2018/08	F	203	306	247	283	13.3	25.0	15.7	22.6	55	0	162	-157	723(97%)
10	2018/09	F	211	301	263	287	12.7	25.0	13.9	15.8	50	0	166	-149	667(93%)
11	2018/10	F	209	273	256	267	12.4	14.0	13.3	14.0	59	0	152	-148	742(100%)
12	2018/11	F	207	296	260	287	12.7	24.0	13.9	16.5	49	0	142	-159	671(93%)
13	2018/冬	F	207	327	258	301	13.7	26.0	16.6	24.8	129	0	166	-172	1925(89%)
14	2018/春	F	201	286	245	265	13.1	26.0	14.9	19.5	136	0	147	-157	1869(85%)
15	2018/夏	F	201	320	250	291	13.1	25.0	15.1	20.4	158	0	166	-163	2078(94%)
16	2018/秋	F	209	301	259	280	12.6	25.0	13.7	15.3	158	0	166	-159	2080(95%)
17	2018/年	F	204	327	254	284	13.1	26.0	15.0	19.7	581	0	166	-172	7952(91%)

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表3.2.3 2018年澎湖海域J站修補前潮差週期及潮位重要統計量統計表

序號	日期 (年/月)	測站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2017/12	J	109	154	151	154	15.1	26.0	22.5	26.0	14	0	83	-89	317(43%)
2	2018/01	J	110	196	148	171	13.5	26.0	16.4	25.0	48	0	94	-108	706(95%)
3	2018/02	J	114	173	142	159	12.7	24.0	13.9	16.5	48	0	97	-96	642(96%)
4	2018/03	J	110	147	134	142	12.9	25.0	14.4	18.8	49	0	86	-99	695(93%)
5	2018/04	J	109	158	138	154	12.9	25.0	14.4	17.8	51	0	77	-94	690(96%)
6	2018/05	J	112	178	154	173	12.4	14.0	13.1	13.3	30	0	74	-105	458(62%)
7	2018/06	J	108	200	154	188	12.6	24.0	14.2	16.0	54	0	105	-96	680(94%)
8	2018/07	J	118	196	162	189	14.2	25.0	18.6	25.0	42	0	98	-105	646(87%)
9	2018/08	J	112	187	144	166	13.8	25.0	17.7	25.0	53	0	96	-102	721(97%)
10	2018/09	J	115	164	142	158	12.9	25.0	14.9	19.3	49	0	99	-98	663(92%)
11	2018/10	J	114	162	151	159	12.7	25.0	14.2	16.4	58	0	100	-92	743(100%)
12	2018/11	J	114	183	153	169	13.3	25.0	15.9	22.0	45	0	81	-105	665(92%)
13	2018/冬	J	111	196	147	162	13.4	26.0	16.0	22.0	110	0	97	-108	1665(77%)
14	2018/春	J	110	178	140	156	12.8	25.0	14.1	16.7	130	0	86	-105	1843(84%)
15	2018/夏	J	112	200	154	182	13.5	25.0	16.7	24.1	149	0	105	-104	2047(93%)
16	2018/秋	J	114	183	149	162	12.9	25.0	14.9	18.3	152	0	100	-105	2071(95%)
17	2018/年	J	112	200	148	167	13.1	26.0	15.4	20.2	541	0	105	-108	7626(87%)

3-2-3

表3.2.4 2018年澎湖海域 S 站修補前潮差週期及潮位重要統計量統計表

序 號	日期 (年/月)	測 站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2017/12	S													
2	2018/01	S	156	191	178	0	17.4	25.0	25.0	.0	8	0	119	-138	178(24%)
3	2018/02	S	196	255	239	255	14.3	25.0	18.8	25.0	13	0	139	-145	438(65%)
4	2018/03	S	172	214	201	214	16.7	25.0	24.8	25.0	12	0	124	-139	415(56%)
5	2018/04	S	160	223	197	211	14.7	25.0	19.7	25.0	43	0	113	-126	690(96%)
6	2018/05	S	164	241	206	231	12.4	13.0	13.0	13.0	59	0	103	-138	743(100%)
7	2018/06	S	166	286	215	261	12.4	14.0	13.4	14.0	57	0	143	-144	719(100%)
8	2018/07	S	162	282	233	273	12.4	14.0	13.3	14.0	59	0	159	-136	744(100%)
9	2018/08	S	173	270	218	257	12.4	14.0	13.4	14.0	59	0	138	-137	744(100%)
10	2018/09	S	176	258	217	244	12.9	25.0	14.7	18.2	55	0	131	-128	715(99%)
11	2018/10	S	169	251	219	234	13.1	25.0	15.3	20.6	56	0	130	-124	742(100%)
12	2018/11	S	175	245	220	242	13.1	25.0	15.3	20.4	54	0	121	-153	710(99%)
13	2018/冬	S	181	255	221	249	15.5	25.0	21.6	25.0	21	0	139	-145	616(29%)
14	2018/春	S	163	241	202	222	13.7	25.0	16.8	24.8	114	0	125	-139	1848(84%)
15	2018/夏	S	167	286	222	264	12.4	14.0	13.4	14.0	175	0	159	-144	2207(100%)
16	2018/秋	S	173	258	218	240	13.0	25.0	15.0	19.4	165	0	131	-153	2167(99%)
17	2018/年	S	169	286	216	247	13.1	25.0	15.1	19.7	475	0	159	-153	6838(78%)

表3.2.5 2018年澎湖海域 X 站修補前潮差週期及潮位重要統計量統計表

序號	日期 (年/月)	測站	平均潮差 (公分)	最大潮差 (公分)	1/3潮差 (公分)	1/10潮差 (公分)	平均週期 (時)	最大週期 (時)	1/3週期 (時)	1/10週期 (時)	潮差個數 (個)	平均潮位 (公分)	最高潮位 (公分)	最低潮位 (公分)	水位點數 (個)
1	2017/12	X	172	255	213	245	12.4	13.0	13.0	13.0	59	0	140	-142	744(100%)
2	2018/01	X	172	255	216	247	12.4	14.0	13.2	13.6	59	0	137	-144	744(100%)
3	2018/02	X	170	245	208	232	12.4	13.0	13.0	13.0	53	0	135	-137	672(100%)
4	2018/03	X	171	230	205	221	12.4	14.0	13.1	13.2	59	0	119	-139	744(100%)
5	2018/04	X	164	221	199	214	12.4	13.0	13.0	13.0	57	0	112	-122	720(100%)
6	2018/05	X	163	243	209	231	12.4	13.0	13.0	13.0	54	0	113	-852	700(94%)
7	2018/06	X	166	256	211	245	12.6	25.0	14.1	16.2	56	0	134	-144	718(100%)
8	2018/07	X	169	264	220	260	12.4	14.0	13.3	14.0	52	0	129	-137	679(91%)
9	2018/08	X	171	269	216	258	12.4	14.0	13.3	14.0	59	0	132	-138	744(100%)
10	2018/09	X	174	258	217	243	12.4	14.0	13.3	14.0	57	0	135	-132	720(100%)
11	2018/10	X	173	231	218	227	12.5	14.0	13.3	13.8	50	0	125	-125	648(87%)
12	2018/11	X	164	232	206	228	12.5	14.0	13.3	14.0	39	0	111	-124	492(68%)
13	2018/冬	X	172	255	212	240	12.4	14.0	13.1	13.2	171	0	139	-144	2160(100%)
14	2018/春	X	166	243	204	221	12.4	14.0	13.0	13.1	170	0	119	-852	2164(98%)
15	2018/夏	X	169	269	215	254	12.5	25.0	13.6	14.7	167	0	134	-144	2141(97%)
16	2018/秋	X	171	258	215	233	12.4	14.0	13.3	13.9	146	0	135	-132	1860(85%)
17	2018/年	X	169	269	212	238	12.4	25.0	13.2	13.7	654	0	139	-852	8325(95%)

3-2-5

表3.2.6 2018年澎湖海域 A 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	2017/12	A	205	304	254	294	14.5	25.0	18.9	25.0	48	0	162	-160	715(96%)
2	2018/01	A	196	307	246	286	13.5	25.0	16.3	24.5	47	0	152	-161	689(93%)
3	2018/02	A	197	254	235	251	12.4	13.0	13.0	13.0	35	0	141	-153	460(69%)
4	2018/03	A	203	273	246	265	13.1	25.0	14.9	20.0	56	0	141	-153	729(98%)
5	2018/04	A	196	264	238	258	13.1	26.0	15.1	20.4	54	0	139	-136	714(99%)
6	2018/05	A	192	281	244	269	12.9	25.0	14.4	17.6	53	0	125	-157	721(97%)
7	2018/06	A	194	312	247	295	13.1	25.0	15.2	20.4	54	0	157	-156	716(99%)
8	2018/07	A	207	301	259	294	12.8	25.0	14.0	17.0	38	0	151	-158	497(67%)
9	2018/08	A	209	300	257	292	12.7	25.0	13.8	16.0	46	0	158	-158	587(79%)
10	2018/09	A	203	282	250	270	12.9	25.0	14.6	18.4	55	0	161	-150	715(99%)
11	2018/10	A	205	267	252	264	14.6	25.0	19.5	25.0	47	0	151	-142	720(97%)
12	2018/11	A	193	265	239	261	13.6	26.0	16.5	25.0	33	0	142	-142	509(71%)
13	2018/冬	A	200	307	246	277	13.6	25.0	16.4	23.9	130	0	162	-161	1864(86%)
14	2018/春	A	197	281	243	263	13.0	26.0	14.8	18.9	163	0	141	-157	2164(98%)
15	2018/夏	A	203	312	255	293	12.9	25.0	14.4	17.9	138	0	158	-158	1800(82%)
16	2018/秋	A	201	282	248	265	13.6	26.0	16.6	24.9	135	0	161	-150	1944(89%)
17	2018/年	A	200	312	248	276	13.3	26.0	15.5	21.3	566	0	162	-161	7772(89%)

3-2-0

表3.2.7 2018年澎湖海域 P 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	2017/12	P	282	405	335	392	13.9	25.0	17.2	24.7	33	0	193	-216	567(76%)
2	2018/01	P	271	412	341	389	13.2	25.0	15.1	21.5	49	0	207	-220	694(93%)
3	2018/02	P	268	389	331	367	12.4	13.0	13.0	13.0	50	0	200	-205	654(97%)
4	2018/03	P	264	343	318	335	12.9	25.0	14.4	17.6	52	0	184	-197	707(95%)
5	2018/04	P	260	348	318	335	13.2	25.0	15.2	20.0	50	0	181	-179	693(96%)
6	2018/05	P	275	358	323	351	13.7	25.0	16.6	25.0	30	0	161	-198	455(61%)
7	2018/06	P	259	405	324	385	12.9	25.0	14.6	19.5	49	0	208	-197	658(91%)
8	2018/07	P	264	405	320	378	13.6	25.0	16.5	24.6	51	0	188	-233	695(93%)
9	2018/08	P	263	394	317	357	13.6	25.0	16.3	24.6	54	0	217	-191	722(97%)
10	2018/09	P	273	384	337	373	12.9	25.0	14.7	19.5	49	0	204	-191	665(92%)
11	2018/10	P	272	347	330	342	12.7	25.0	13.9	16.2	58	0	187	-190	742(100%)
12	2018/11	P	273	375	338	366	13.0	25.0	14.6	19.3	48	0	177	-208	670(93%)
13	2018/冬	P	273	412	335	379	13.1	25.0	14.8	19.1	132	0	207	-220	1915(89%)
14	2018/春	P	265	358	319	339	13.2	25.0	15.1	20.2	132	0	184	-198	1855(84%)
15	2018/夏	P	262	405	321	371	13.4	25.0	15.8	22.5	154	0	217	-233	2075(94%)
16	2018/秋	P	273	384	335	360	12.8	25.0	14.4	17.6	155	0	204	-208	2077(95%)
17	2018/年	P	268	412	328	363	13.1	25.0	15.0	19.8	573	0	217	-233	7922(90%)

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表3.2.8 2018年澎湖海域 Q 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	2017/12	Q													
2	2018/01	Q													
3	2018/02	Q													
4	2018/03	Q													
5	2018/04	Q													
6	2018/05	Q													
7	2018/06	Q													
8	2018/07	Q													
9	2018/08	Q													
10	2018/09	Q													
11	2018/10	Q	210	278	258	270	13.2	25.0	15.3	21.8	47	0	159	-144	653(88%)
12	2018/11	Q	207	285	259	278	13.9	26.0	17.3	25.0	51	0	143	-159	710(99%)
13	2018/冬	Q													
14	2018/春	Q													
15	2018/夏	Q													
16	2018/秋	Q	208	285	259	276	13.6	26.0	16.4	24.8	98	0	160	-159	1363(62%)
17	2018/年	Q	208	285	259	276	13.6	26.0	16.4	24.8	98	0	160	-159	1363(16%)

3-2-8

表3.2.9 2018年澎湖海域 L 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	2017/12	L													
2	2018/01	L													
3	2018/02	L													
4	2018/03	L													
5	2018/04	L													
6	2018/05	L													
7	2018/06	L													
8	2018/07	L													
9	2018/08	L													
10	2018/09	L													
11	2018/10	L	176	232	216	228	14.3	25.0	18.5	24.8	45	0	130	-128	652(88%)
12	2018/11	L	176	259	224	248	13.1	25.0	15.4	20.6	54	0	117	-146	709(99%)
13	2018/冬	L													
14	2018/春	L													
15	2018/夏	L													
16	2018/秋	L	176	259	221	243	13.7	25.0	16.8	24.7	99	0	130	-146	1361(62%)
17	2018/年	L	176	259	221	243	13.7	25.0	16.8	24.7	99	0	130	-146	1361(16%)

3-2-9

3.3 2018 年澎湖海域**主要測站 1**(修補後)與 **其他測站**(修補前)潮位歷線比較圖

Tidal Level in Peng-Hu Seas of PHT0 at 2018

1 ○ 8 ● 15 ● 22 ●

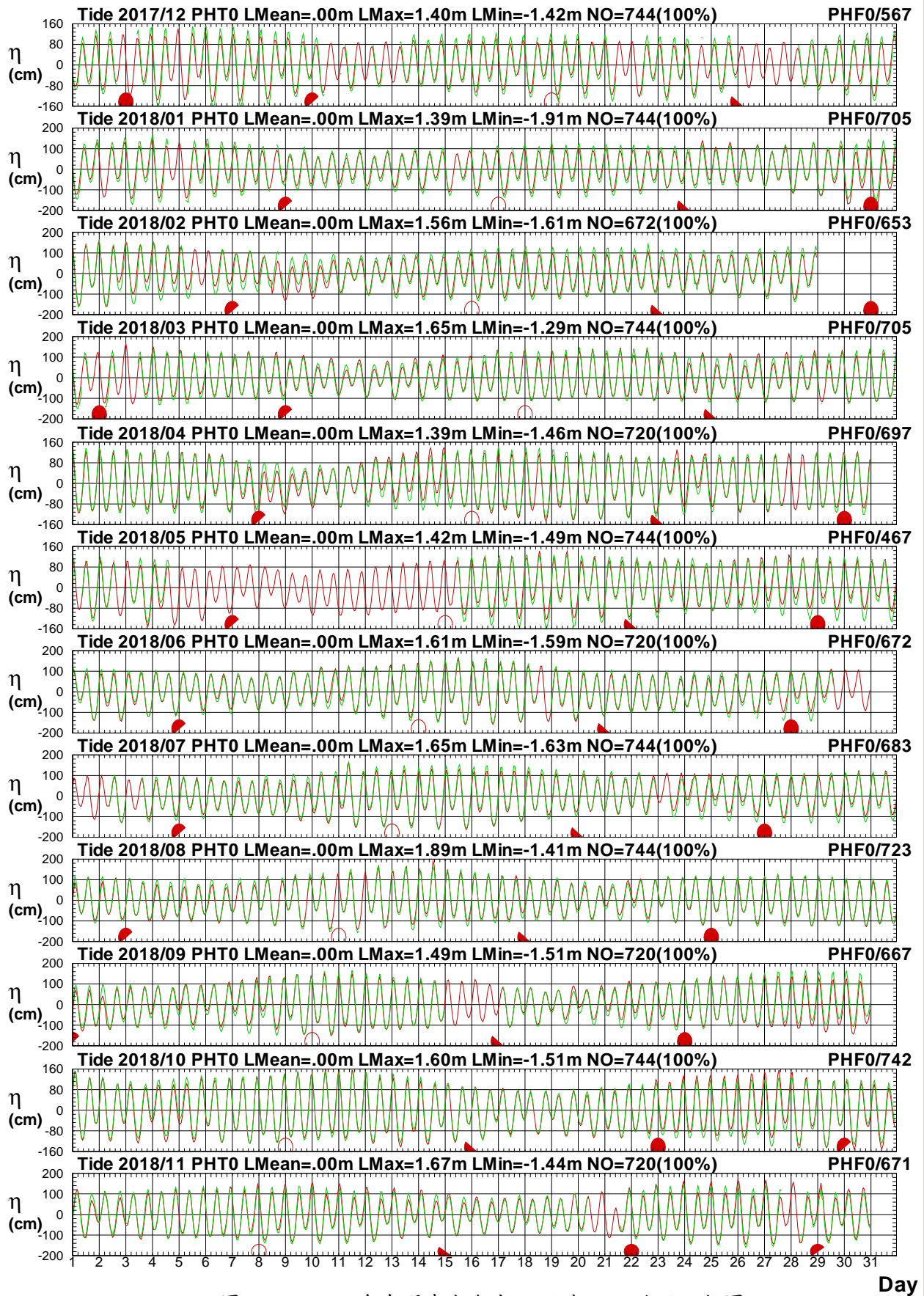


圖3.3.1 2018年每月澎湖海域 T 站與 F 站潮位比較圖

T17CPHT0.1HA T17CPHF0.1H0 T181PHT0.1HA T181PHF0.1H0 T182PHT0.1HA T182PHF0.1H0
T183PHT0.1HA T183PHF0.1H0 T184PHT0.1HA T184PHF0.1H0 T185PHT0.1HA T185PHF0.1H0

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Tidal Level in Peng-Hu Seas of PHT0 at 2018

1 ○ 8 ● 15 ● 22 ●

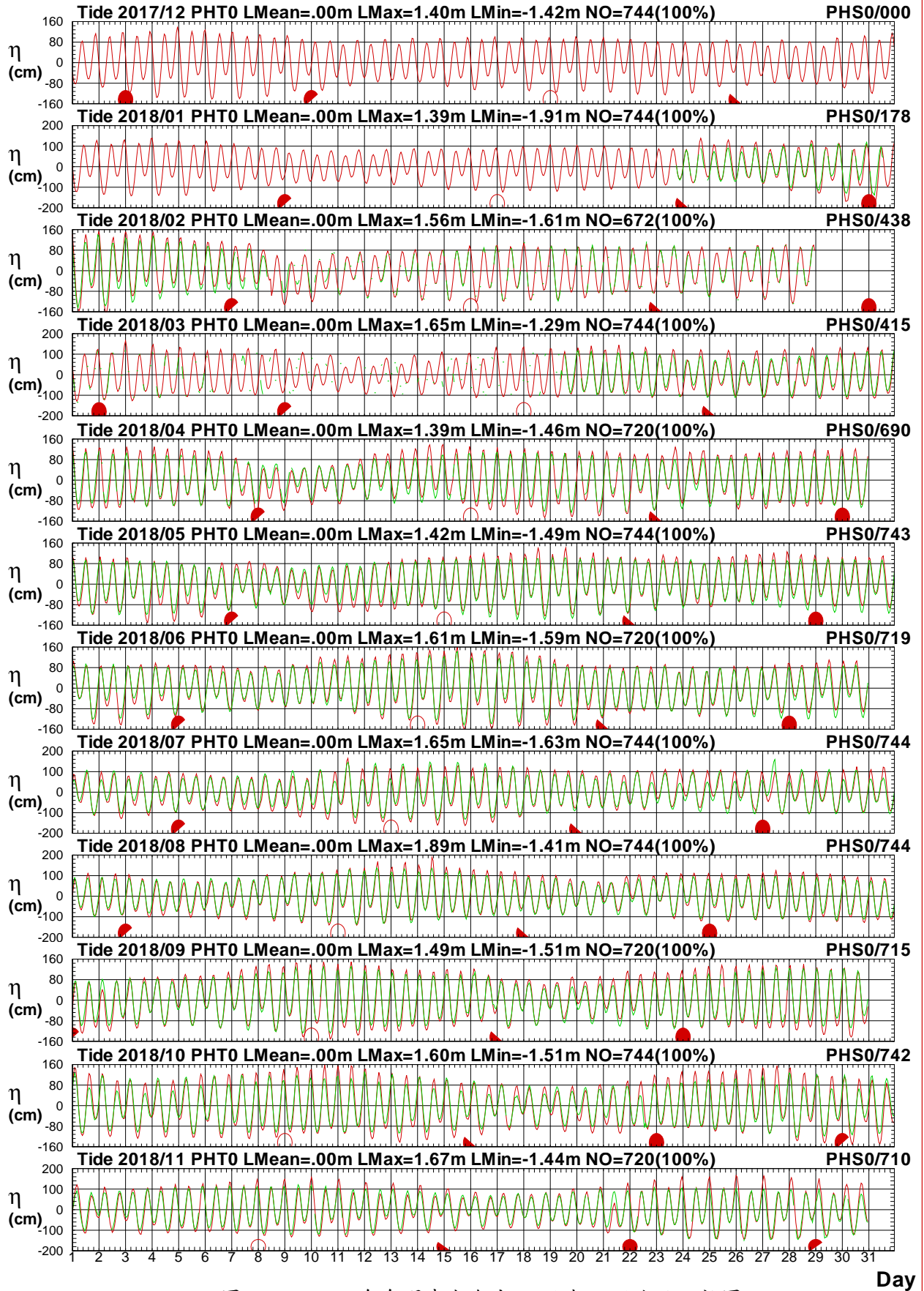


圖3.3.2 2018年每月澎湖海域 T 站與 S 站潮位比較圖

T17CPHT0.1HA T17CPHS0.1H0 T181PHT0.1HA T181PHS0.1H0 T182PHT0.1HA T182PHS0.1H0
 T183PHT0.1HA T183PHS0.1H0 T184PHT0.1HA T184PHS0.1H0 T185PHT0.1HA T185PHS0.1H0

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Tidal Level in Peng-Hu Seas of PHT0 at 2018

1 ○ 8 ● 15 ● 22 ●

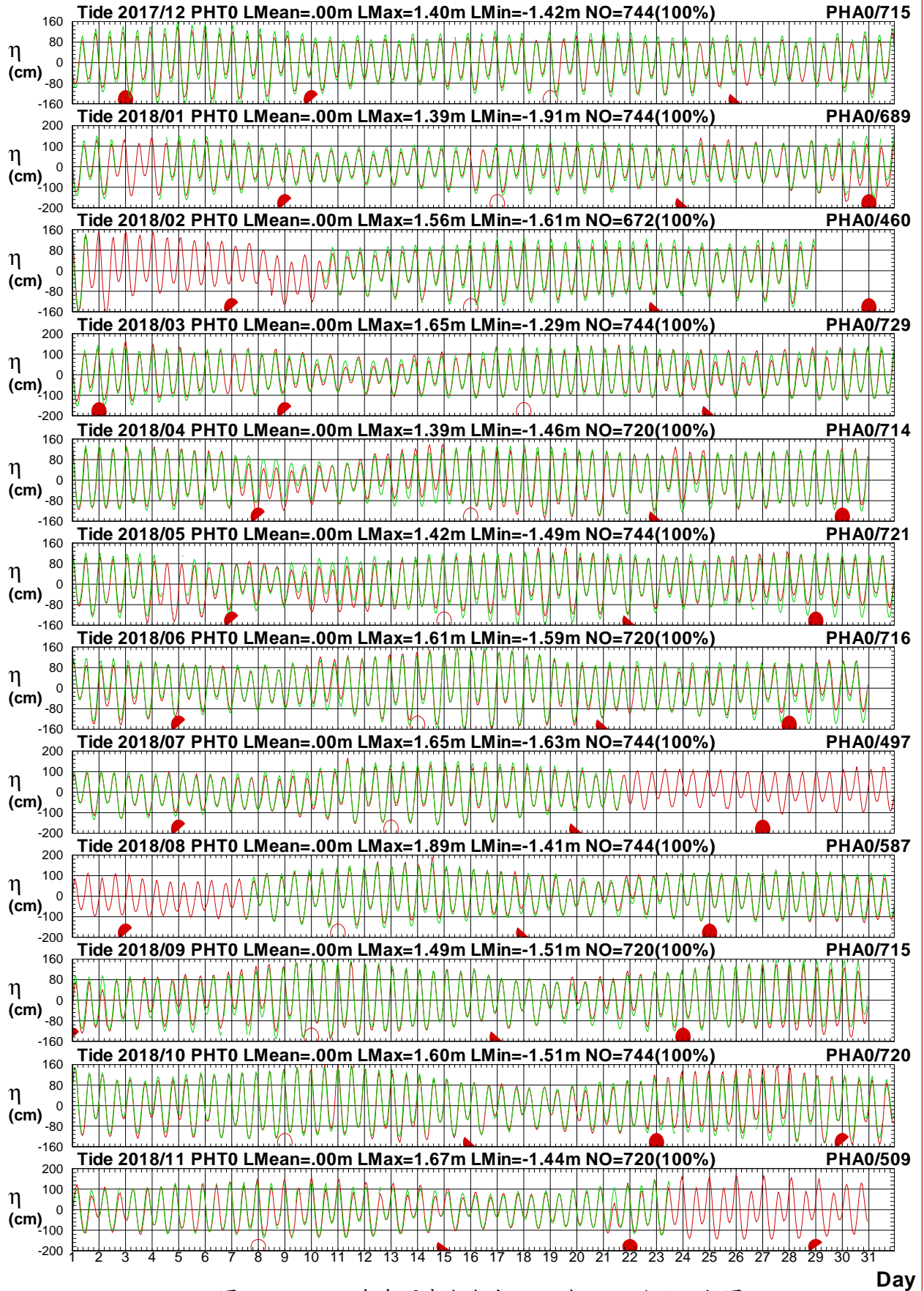


圖3.3.3 2018年每月澎湖海域 T 站與 A 站潮位比較圖

T17CPHT0.1HA T17CPHA0.1H0 T181PHT0.1HA T181PHA0.1H0 T182PHT0.1HA T182PHA0.1H0
T183PHT0.1HA T183PHA0.1H0 T184PHT0.1HA T184PHA0.1H0 T185PHT0.1HA T185PHA0.1H0

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Tidal Level in Peng-Hu Seas of PHT0 at 2018

1 ○ 8 ● 15 ● 22 ●

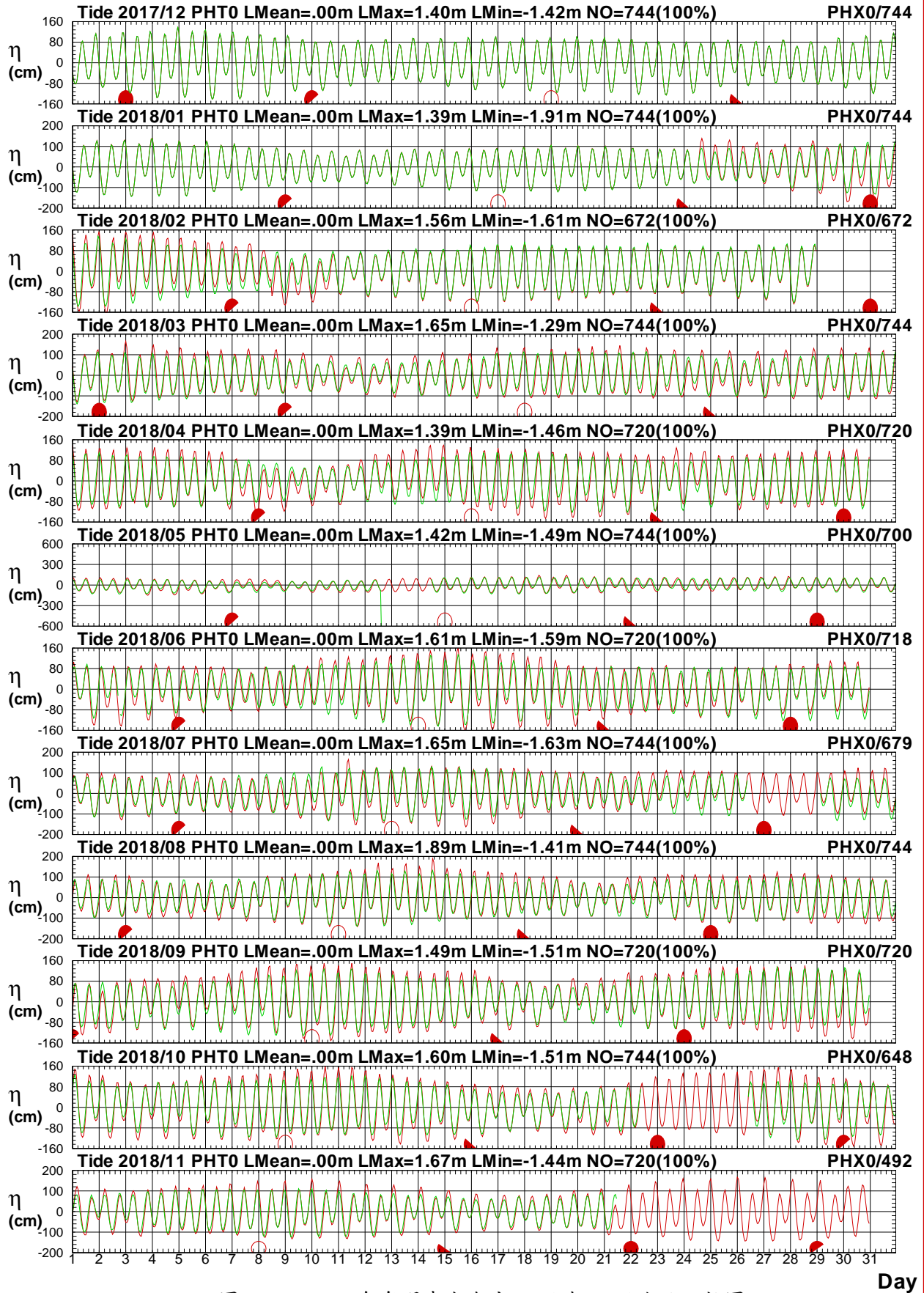


圖3.3.4 2018年每月澎湖海域 T 站與 X 站潮位比較圖

T17CPHT0.1HA T17CPHX0.1H0 T181PHT0.1HA T181PHX0.1H0 T182PHT0.1HA T182PHX0.1H0
T183PHT0.1HA T183PHX0.1H0 T184PHT0.1HA T184PHX0.1H0 T185PHT0.1HA T185PHX0.1H0

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Tidal Level in Peng-Hu Seas of PHT0 at 2018

1 ○ 8 ● 15 ● 22 ●

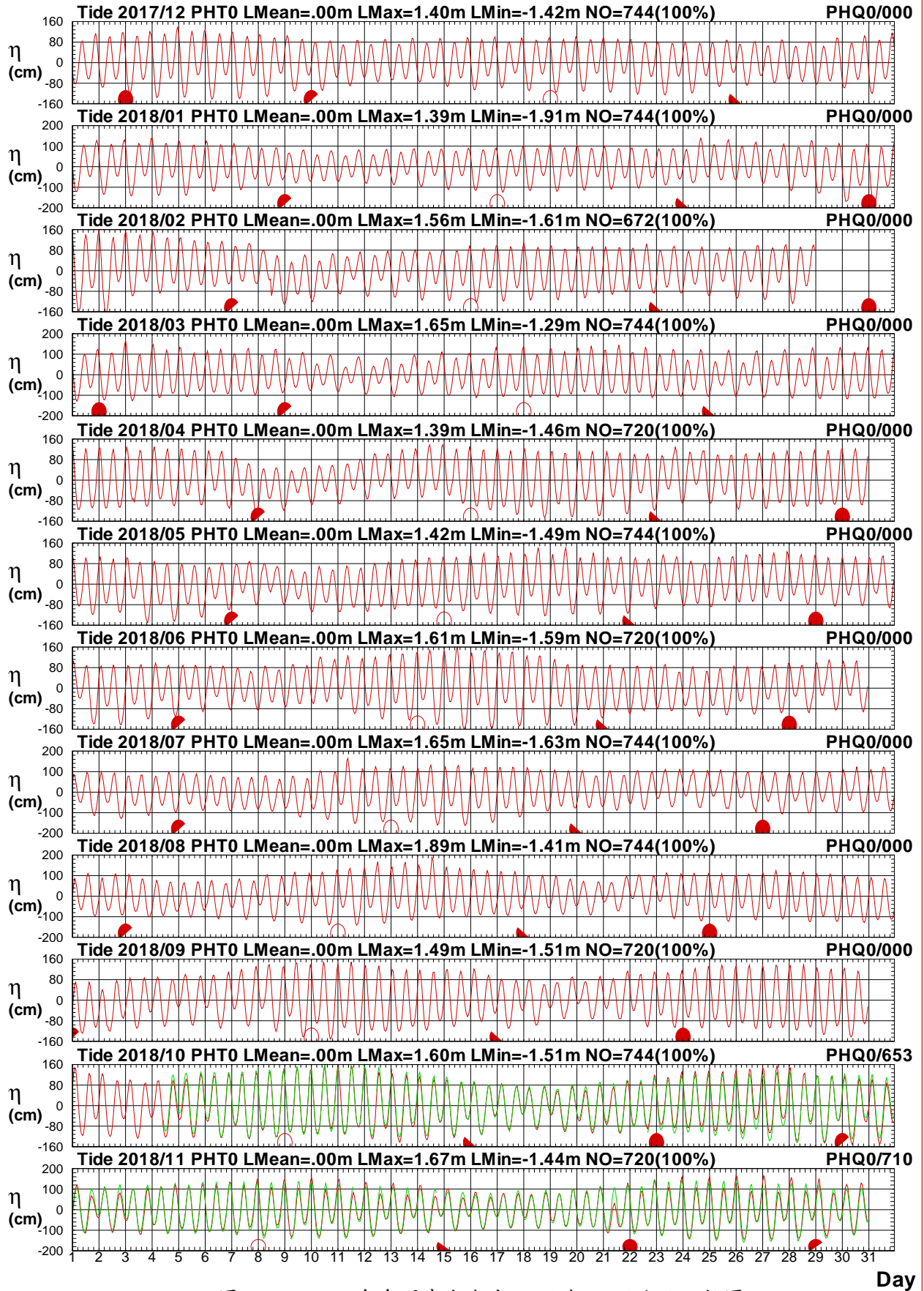


圖3.3.5 2018年每月澎湖海域 T 站與 Q 站潮位比較圖

T17CPHT0.1HA T17CPHQ0.1H0 T181PHT0.1HA T181PHQ0.1H0 T182PHT0.1HA T182PHQ0.1H0
T183PHT0.1HA T183PHQ0.1H0 T184PHT0.1HA T184PHQ0.1H0 T185PHT0.1HA T185PHQ0.1H0

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Tidal Level in Peng-Hu Seas of PHT0 at 2018

1 ○ 8 ● 15 ● 22 ●

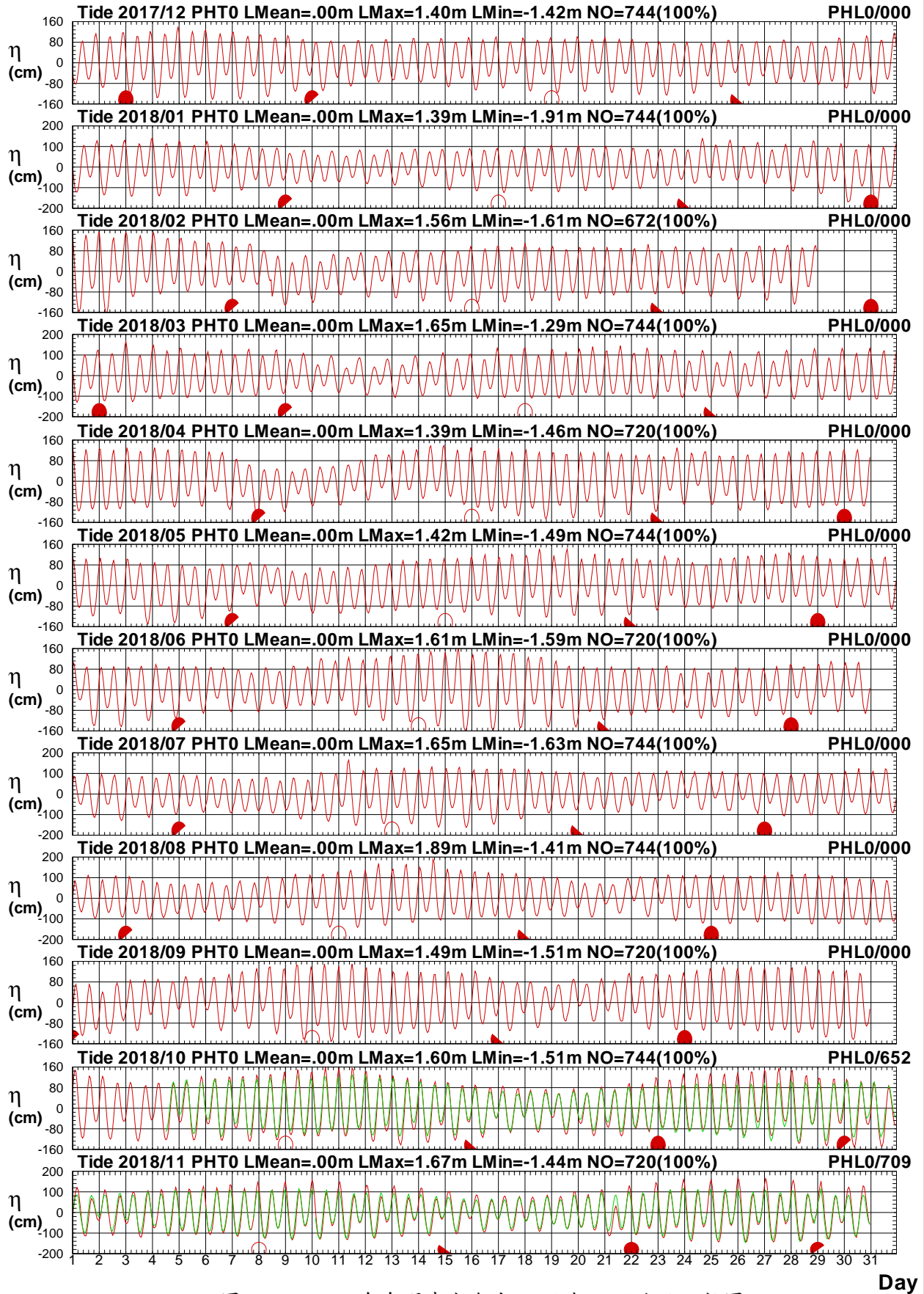


圖3.3.6 2018年每月澎湖海域 T 站與 L 站潮位比較圖

T17CPHT0.1HA T17CPHL0.1H0 T181PHT0.1HA T181PHL0.1H0 T182PHT0.1HA T182PHL0.1H0
T183PHT0.1HA T183PHL0.1H0 T184PHT0.1HA T184PHL0.1H0 T185PHT0.1HA T185PHL0.1H0

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3.4 2018 年澎湖海域**主要測站 2**(修補後)與 **其他測站**(修補前)潮位歷線比較圖

Tidal Level in Peng-Hu Seas of PHP0 at 2018

1 ○ 8 ● 15 ● 22 ●

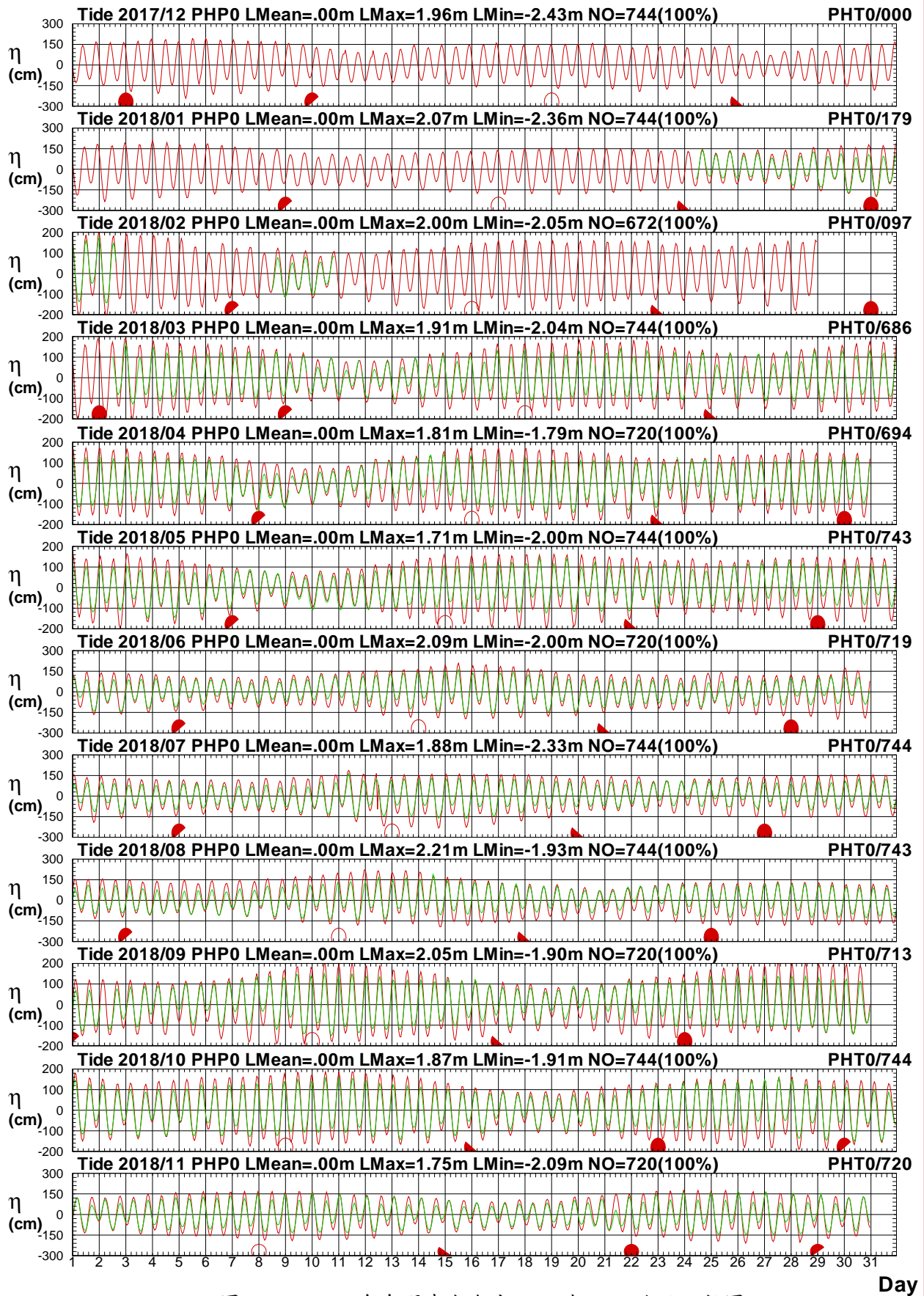


圖3.4.1 2018年每月澎湖海域 P 站與 T 站潮位比較圖

T17CPHP0.1HA T17CPHT0.1HO T181PHP0.1HA T181PHT0.1HO T182PHP0.1HA T182PHT0.1HO
T183PHP0.1HA T183PHT0.1HO T184PHP0.1HA T184PHT0.1HO T185PHP0.1HA T185PHT0.1HO

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Tidal Level in Peng-Hu Seas of PHP0 at 2018

1 ○ 8 ● 15 ● 22 ●

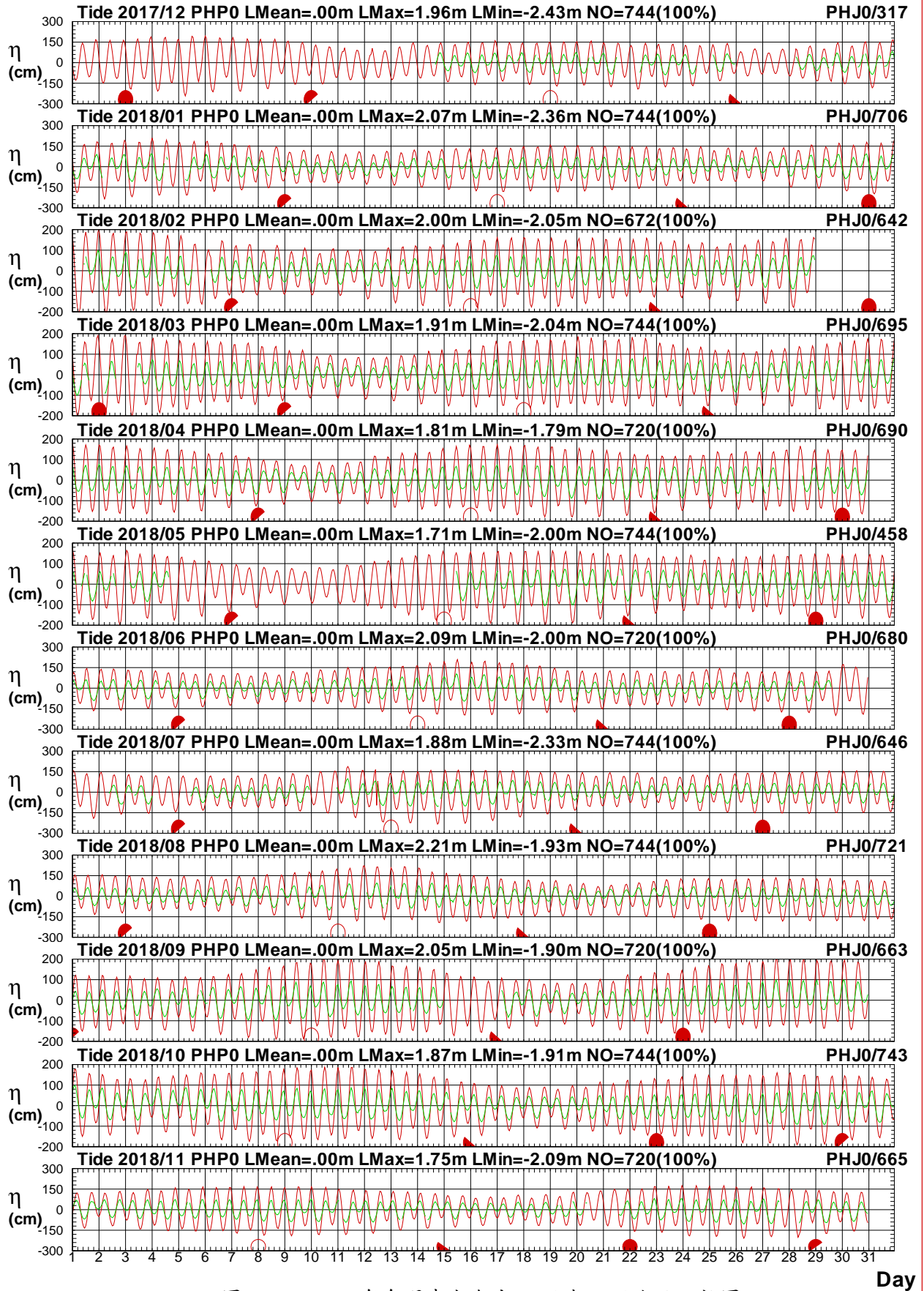


圖3.4.2 2018年每月澎湖海域 P 站與 J 站潮位比較圖

T17CPHP0.1HA T17CPHJ0.1H0 T181PHP0.1HA T181PHJ0.1H0 T182PHP0.1HA T182PHJ0.1H0
 T183PHP0.1HA T183PHJ0.1H0 T184PHP0.1HA T184PHJ0.1H0 T185PHP0.1HA T185PHJ0.1H0

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3.5 2018 年澎湖海域**主要測站 3**(修補後)與 **其他測站**(修補前)潮位歷線比較圖

Tidal Level in Peng-Hu Seas of PHJ0 at 2018

1 ○ 8 ● 15 ● 22 ●

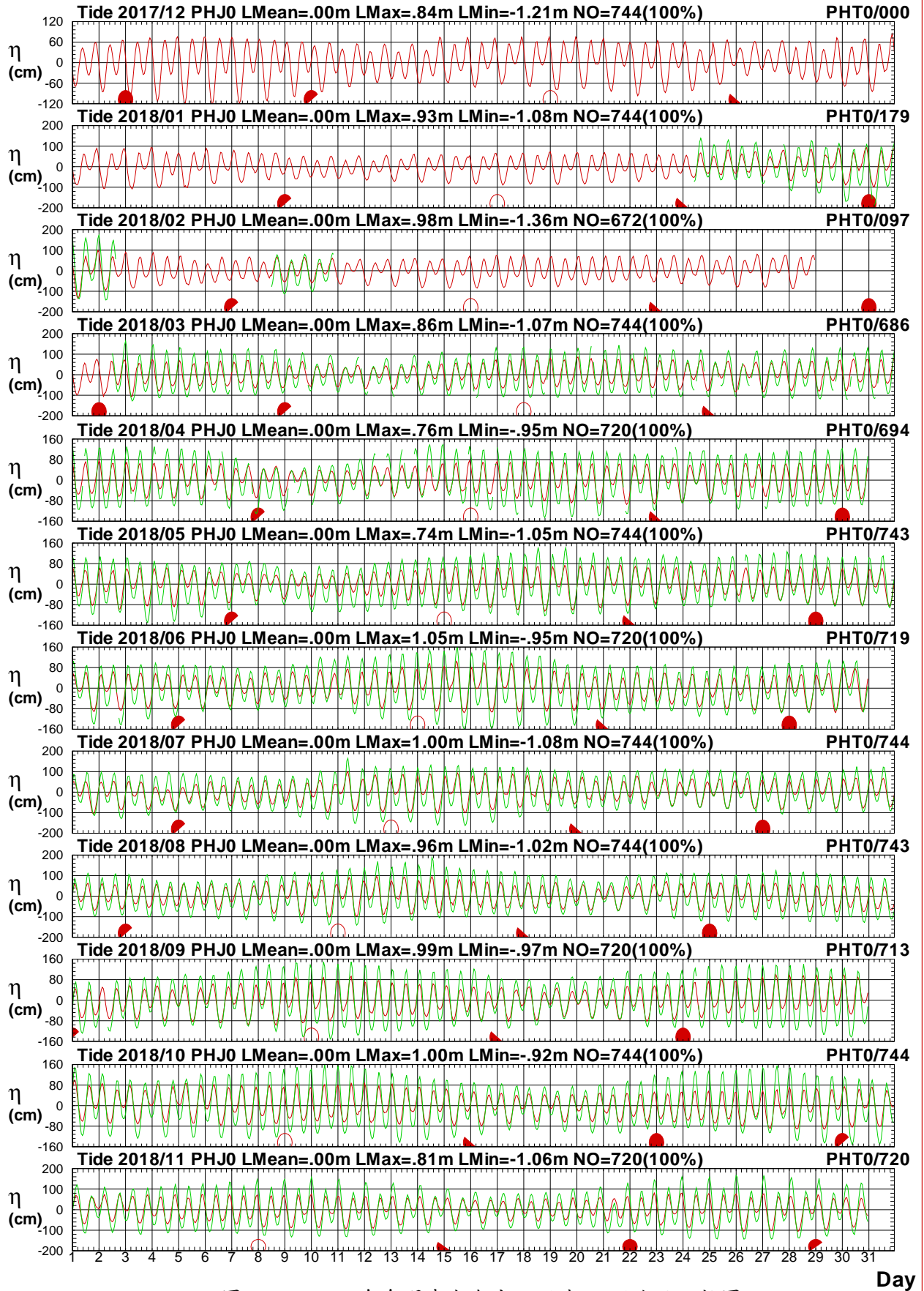


圖3.5.1 2018年每月澎湖海域J站與T站潮位比較圖

T17CPHJ0.1HA T17CPHT0.1H0 T181PHJ0.1HA T181PHT0.1H0 T182PHJ0.1HA T182PHT0.1H0
T183PHJ0.1HA T183PHT0.1H0 T184PHJ0.1HA T184PHT0.1H0 T185PHJ0.1HA T185PHT0.1H0

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Tidal Level in Peng-Hu Seas of PHJ0 at 2018

1 ○ 8 ● 15 ● 22 ●

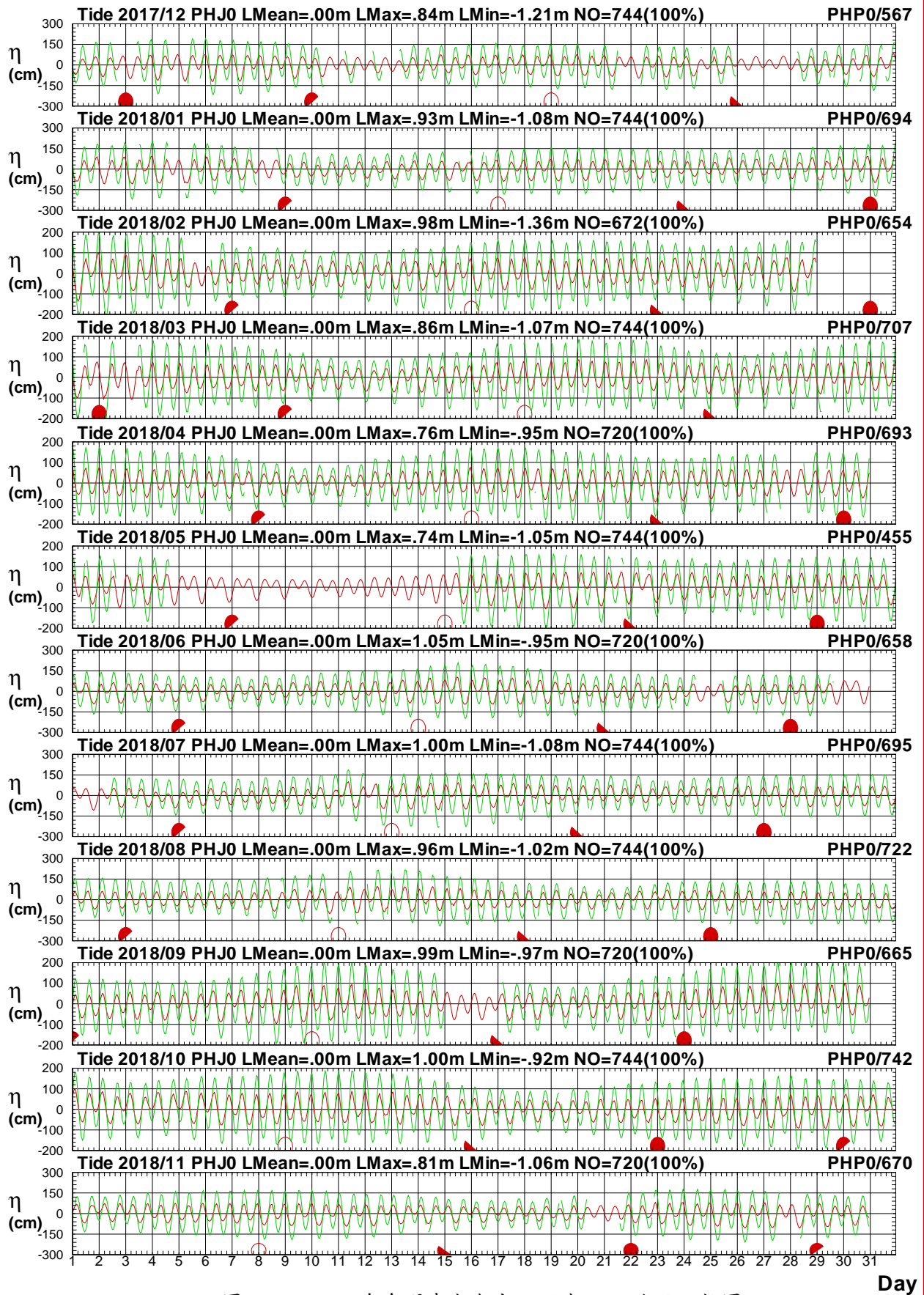


圖3.5.2 2018年每月澎湖海域 J 站與 P 站潮位比較圖

T17CPHJ0.1HA T17CPHP0.1H0 T181PHJ0.1HA T181PHP0.1H0 T182PHJ0.1HA T182PHP0.1H0
 T183PHJ0.1HA T183PHP0.1H0 T184PHJ0.1HA T184PHP0.1H0 T185PHJ0.1HA T185PHP0.1H0

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第四章 2018 年澎湖海域觀測海流資料年報

澎湖海域海流之觀測包括測站 X、測站 Y、測站 Z、測站 A 及測站 R 等 5 個測站(測站位置如第 0 章圖 CN1)。

本年報利用調和分析方法觀測海流可分解為：

(1) 計算潮流(包括平均流)。

(2) 計算殘(餘)流(或稱非潮流)。

4.1 2018 年澎湖海域觀測海流資料年報圖表

本章第 1 節風力年報資料處理之統計表包括：

1. 表 1.1.1a 2018 年各觀測站每月觀測海流資料記錄表。
2. 表 1.1.1b 2018 年各觀測站每月計算潮流資料記錄表。

本章第 2 節海流年報資料處理之統計表包括：

1. 2018 年各觀測站每月觀測流速及流向重要統計量統計表。
2. 2018 年各觀測站每月計算潮流流速及流向重要統計量統計表。
3. 2018 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。

本章第 3 節海流年報資料處理之統計圖包括：

1. 2018 年各觀測站之觀測海流與計算潮流歷線比較圖。
2. 2018 年各觀測站之觀測海流與計算殘(餘)流歷線比較圖。

本章第 4 節海流年報資料處理之統計圖包括:2018 年各觀測站之觀測海流、計算潮流及計算殘流等 3 個向量分佈圖。

本章第 5 節海流年報資料處理之統計圖包括:2018 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4.1.1a 2018年每月澎湖海域各測站觀測海流資料紀錄表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	X	A	Y	Z	R							
2017/12月	744(100%)	715(96.1%)	744(100%)	738(99.2%)	*	*	*	*	*	*	*	*
2018/ 1月	744(100%)	689(92.6%)	744(100%)	721(96.9%)	*	*	*	*	*	*	*	*
2018/ 2月	672(100%)	460(68.5%)	671(99.9%)	649(96.6%)	*	*	*	*	*	*	*	*
2018/ 3月	744(100%)	729(98.0%)	744(100%)	62(8.3%)	*	*	*	*	*	*	*	*
2018/ 4月	720(100%)	714(99.2%)	698(96.9%)	*	*	*	*	*	*	*	*	*
2018/ 5月	687(92.3%)	721(96.9%)	709(95.3%)	*	61(8.2%)	*	*	*	*	*	*	*
2018/ 6月	697(96.8%)	716(99.4%)	658(91.4%)	375(52.1%)	700(97.2%)	*	*	*	*	*	*	*
2018/ 7月	699(94.0%)	497(66.8%)	744(100%)	712(95.7%)	720(96.8%)	*	*	*	*	*	*	*
2018/ 8月	14(1.9%)	587(78.9%)	744(100%)	707(95.0%)	687(92.3%)	*	*	*	*	*	*	*
2018/ 9月	720(100%)	715(99.3%)	720(100%)	668(92.8%)	682(94.7%)	*	*	*	*	*	*	*
2018/10月	650(87.4%)	720(96.8%)	744(100%)	743(99.9%)	730(98.1%)	*	*	*	*	*	*	*
2018/11月	492(68.3%)	509(70.7%)	720(100%)	604(83.9%)	709(98.5%)	*	*	*	*	*	*	*
2018/冬季	2160(100%)	1864(86.3%)	2159(99.9%)	2108(97.6%)	*	*	*	*	*	*	*	*
2018/春季	2151(97.4%)	2164(98.0%)	2151(97.4%)	62(2.8%)	61(2.8%)	*	*	*	*	*	*	*
2018/夏季	1410(63.9%)	1800(81.5%)	2146(97.2%)	1794(81.3%)	2107(95.4%)	*	*	*	*	*	*	*
2018/秋季	1862(85.3%)	1944(89.0%)	2184(100%)	2015(92.3%)	2121(97.1%)	*	*	*	*	*	*	*
2018/整年	7583(86.6%)	7772(88.7%)	8640(98.6%)	5979(68.3%)	4289(49.0%)	*	*	*	*	*	*	*
起始年月	2017/12	2017/12	2017/12	2017/12	2018/05	*	*	*	*	*	*	*
結束年月	2018/11	2018/11	2018/11	2018/11	2018/11	*	*	*	*	*	*	*

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表4.1.1b 2018年每月澎湖海域計算潮流各測站資料紀錄表

海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域	澎湖海域
年月/測站	X	A	Y	Z	R							
2017/12月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2018/ 1月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2018/ 2月	672(100%)	672(100%)	672(100%)	672(100%)	672(100%)	*	*	*	*	*	*	*
2018/ 3月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2018/ 4月	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*	*
2018/ 5月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2018/ 6月	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*	*
2018/ 7月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2018/ 8月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2018/ 9月	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*	*
2018/10月	744(100%)	744(100%)	744(100%)	744(100%)	744(100%)	*	*	*	*	*	*	*
2018/11月	720(100%)	720(100%)	720(100%)	720(100%)	720(100%)	*	*	*	*	*	*	*
2018/冬季	2160(100%)	2160(100%)	2160(100%)	2160(100%)	2160(100%)	*	*	*	*	*	*	*
2018/春季	2208(100%)	2208(100%)	2208(100%)	2208(100%)	2208(100%)	*	*	*	*	*	*	*
2018/夏季	2208(100%)	2208(100%)	2208(100%)	2208(100%)	2208(100%)	*	*	*	*	*	*	*
2018/秋季	2184(100%)	2184(100%)	2184(100%)	2184(100%)	2184(100%)	*	*	*	*	*	*	*
2018/整年	8760(100%)	8760(100%)	8760(100%)	8760(100%)	8760(100%)	*	*	*	*	*	*	*
起始年月	2017/12	2017/12	2017/12	2017/12	2017/12	*	*	*	*	*	*	*
結束年月	2018/11	2018/11	2018/11	2018/11	2018/11	*	*	*	*	*	*	*

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4.2 2018 年澎湖海域各測站觀測海流與 計算潮流(殘流)統計量統計表

表 4.2.1a 2018年澎湖海域 X 站觀測流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12	744(100%)	23.9	13.8/ENE	67.3/E	59.1	39.1	1.7	.0	50.9	23.3	.9	24.9	E /33.5%
2	2018/01	744(100%)	25.0	14.8/ENE	66.1/E	55.2	41.1	3.6	.0	46.9	27.6	.7	24.9	E /37.8%
3	2018/02	672(100%)	24.8	15.2/ENE	62.7/ESE	55.5	43.3	1.2	.0	49.1	25.9	1.6	23.4	E /35.3%
4	2018/03	744(100%)	27.5	17.6/ENE	63.3/ESE	46.2	50.3	3.5	.0	50.0	26.3	1.7	21.9	E /30.4%
5	2018/04	720(100%)	25.7	15.2/E	66.4/E	52.4	44.7	2.9	.0	37.5	35.6	6.9	20.0	E /29.3%
6	2018/05	687(92%)	25.2	12.1/E	60.6/ESE	51.8	47.7	.4	.0	26.5	44.8	14.3	14.4	ESE/22.6%
7	2018/06	697(97%)	25.9	12.1/E	63.4/ESE	50.1	48.5	1.4	.0	34.1	38.7	11.3	15.8	ESE/18.1%
8	2018/07	699(94%)	31.6	16.9/ESE	103.2/SE	41.9	47.2	10.7	.1	21.7	52.9	13.3	12.0	ESE/19.7%
9	2018/08	14(2%)	46.6	33.9/WNW	74.0/NNW	21.4	35.7	42.9	.0	.0	.0	35.7	64.3	W /21.4%
10	2018/09	720(100%)	25.4	13.2/E	68.4/E	52.6	43.9	3.5	.0	26.3	46.1	8.2	19.4	E /23.6%
11	2018/10	650(87%)	24.3	14.4/ENE	129.5/ENE	62.5	34.8	2.6	.2	48.9	27.5	1.2	22.3	E /35.2%
12	2018/11	492(68%)	26.2	17.5/ENE	66.7/E	53.7	42.7	3.7	.0	66.3	10.0	.6	23.2	E /26.4%
13	2018/冬	2160(100%)	24.6	14.5/ENE	67.3/E	56.7	41.1	2.2	.0	49.0	25.6	1.1	24.4	E /35.5%
14	2018/春	2151(97%)	26.1	14.8/E	66.4/E	50.1	47.6	2.3	.0	38.3	35.3	7.5	18.9	E /25.1%
15	2018/夏	1410(64%)	28.9	13.4/ESE	103.2/SE	45.7	47.7	6.5	.1	27.7	45.4	12.6	14.4	ESE/18.7%
16	2018/秋	1862(85%)	25.2	14.3/ENE	129.5/ENE	56.3	40.4	3.2	.1	44.7	30.1	3.8	21.4	E /28.4%
17	2018/年	7583(87%)	26.0	14.1/E	129.5/ENE	52.7	44.0	3.3	.0	40.9	33.1	5.7	20.2	E /26.7%

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表4.2.1b 2018年澎湖海域 X 站潮流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12	744(100%)	15.6	14.1/E	36.7/E	80.4	19.6	.0	.0	68.5	18.4	.0	13.0	E /54.2%
2	2018/01	744(100%)	15.7	14.1/E	37.4/E	79.3	20.7	.0	.0	67.7	18.7	.0	13.6	E /53.8%
3	2018/02	672(100%)	15.5	14.0/E	37.6/E	81.3	18.8	.0	.0	73.2	14.7	.0	12.1	E /53.4%
4	2018/03	744(100%)	15.7	14.1/E	36.8/E	80.1	19.9	.0	.0	70.0	15.7	.0	14.2	E /55.1%
5	2018/04	720(100%)	15.7	14.1/E	35.7/E	80.6	19.4	.0	.0	69.6	16.5	.0	13.9	E /56.3%
6	2018/05	744(100%)	15.6	14.1/E	35.5/E	80.0	20.0	.0	.0	68.4	17.6	.0	14.0	E /54.8%
7	2018/06	720(100%)	15.5	14.1/E	36.9/E	81.1	18.9	.0	.0	68.9	17.4	.0	13.8	E /53.5%
8	2018/07	744(100%)	15.5	14.1/E	37.4/E	82.0	18.0	.0	.0	69.4	18.1	.0	12.5	E /53.9%
9	2018/08	744(100%)	15.5	14.1/E	37.2/E	81.7	18.3	.0	.0	71.5	16.4	.0	12.1	E /54.3%
10	2018/09	720(100%)	15.6	14.1/E	37.1/E	81.8	18.2	.0	.0	71.7	15.4	.0	12.9	E /55.1%
11	2018/10	744(100%)	15.6	14.0/E	36.2/E	81.0	19.0	.0	.0	71.0	15.7	.0	13.3	E /55.2%
12	2018/11	720(100%)	15.6	14.0/E	35.4/E	81.0	19.0	.0	.0	69.3	17.1	.0	13.6	E /54.9%
13	2018/冬	2160(100%)	15.6	14.1/E	37.6/E	80.3	19.7	.0	.0	69.7	17.4	.0	12.9	E /53.8%
14	2018/春	2208(100%)	15.7	14.1/E	36.8/E	80.2	19.8	.0	.0	69.3	16.6	.0	14.0	E /55.4%
15	2018/夏	2208(100%)	15.5	14.1/E	37.4/E	81.6	18.4	.0	.0	69.9	17.3	.0	12.8	E /53.9%
16	2018/秋	2184(100%)	15.6	14.0/E	37.1/E	81.3	18.7	.0	.0	70.7	16.1	.0	13.3	E /55.1%
17	2018/年	8760(100%)	15.6	14.1/E	37.6/E	80.8	19.2	.0	.0	69.9	16.8	.0	13.3	E /54.5%

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表4.2.1c 2018年澎湖海域 X 站殘流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速	平均流	最大流	1/2節流	1節流	2節流	大流	流向	流向	流向	流向	主要流向 方向/百分比
			平均值 (cm/s)	流速/流向 (cm/s)/(來向)	流速/流向 (cm/s)/(來向)	<25.7 (%)	~51.4 (%)	~103 (%)	>103 (%)	N~E (%)	E~S (%)	S~W (%)	W~N (%)	
1	2017/12	744(100%)	17.5	4.0/NNW	56.0/WNW	79.6	20.3	.1	.0	24.5	28.6	3.6	43.3	WNW/20.8%
2	2018/01	744(100%)	16.5	2.0/N	51.3/W	82.3	17.7	.0	.0	25.0	32.4	6.6	36.0	WNW/16.7%
3	2018/02	672(100%)	16.0	2.2/NNE	46.4/WNW	87.9	12.1	.0	.0	26.3	30.1	7.4	36.2	WNW/15.5%
4	2018/03	744(100%)	16.8	4.0/NE	42.8/W	85.8	14.2	.0	.0	35.3	28.5	6.2	30.0	E /14.5%
5	2018/04	720(100%)	16.2	1.1/E	41.2/W	89.2	10.8	.0	.0	24.9	31.5	18.6	25.0	E /11.3%
6	2018/05	687(92%)	17.3	4.8/SSW	44.4/WSW	85.4	14.6	.0	.0	15.3	33.2	31.0	20.5	SSE/13.2%
7	2018/06	697(97%)	17.7	2.0/WSW	45.5/ESE	83.8	16.2	.0	.0	20.4	27.1	27.1	25.4	N / 8.9%
8	2018/07	699(94%)	24.0	10.1/S	102.5/SE	72.2	18.0	9.7	.0	13.9	40.5	28.3	17.3	SE /14.3%
9	2018/08	14(2%)	55.7	45.0/W	90.8/NW	7.1	28.6	64.3	.0	.0	.0	42.9	57.1	W /28.6%
10	2018/09	720(100%)	17.3	3.0/SSW	51.7/W	83.6	16.3	.1	.0	15.0	37.5	24.6	22.9	ESE/11.0%
11	2018/10	650(87%)	16.0	2.2/N	127.3/ENE	82.3	17.4	.2	.2	22.9	31.2	7.1	38.8	WNW/17.4%
12	2018/11	492(68%)	16.7	7.2/N	40.7/WNW	85.2	14.8	.0	.0	40.9	14.8	1.8	42.5	NW /16.1%
13	2018/冬	2160(100%)	16.7	2.6/N	56.0/WNW	83.1	16.9	.0	.0	25.2	30.4	5.8	38.6	WNW/17.7%
14	2018/春	2151(97%)	16.8	1.0/SE	44.4/WSW	86.8	13.2	.0	.0	25.4	31.0	18.3	25.3	E /10.0%
15	2018/夏	1410(64%)	21.2	5.3/S	102.5/SE	77.3	17.2	5.5	.0	17.0	33.5	27.9	21.7	SE /11.0%
16	2018/秋	1862(85%)	16.7	1.5/N	127.3/ENE	83.6	16.3	.1	.1	24.6	29.3	12.5	33.6	WNW/12.5%
17	2018/年	7583(87%)	17.5	.0/WNW	127.3/ENE	83.2	15.7	1.1	.0	23.6	30.9	15.1	30.4	WNW/11.6%

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表 4.2.2a 2018 年澎湖海域 A 站觀測流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12	715(96%)	18.1	13.7/SSW	60.0/SSW	78.3	21.1	.6	.0	.8	18.5	57.9	22.8	SSW/21.7%
2	2018/01	689(93%)	16.8	12.3/SW	56.4/SSW	80.3	19.6	.1	.0	.3	15.5	59.1	25.1	SSW/22.6%
3	2018/02	460(69%)	18.8	15.8/SSW	56.3/SW	76.5	22.6	.9	.0	.9	15.7	70.9	12.6	SSW/30.0%
4	2018/03	729(98%)	20.1	16.0/SSW	60.5/SSW	71.5	26.3	2.2	.0	4.3	19.3	65.8	10.6	SSW/30.6%
5	2018/04	714(99%)	19.8	8.7/S	58.0/NNE	72.3	25.9	1.8	.0	20.4	19.3	51.1	9.1	SSW/24.1%
6	2018/05	721(97%)	22.6	9.7/NE	60.1/ENE	64.8	33.4	1.8	.0	55.8	10.0	22.9	11.4	NNE/20.5%
7	2018/06	716(99%)	22.3	3.2/WSW	61.1/SSW	64.9	32.5	2.5	.0	33.2	8.5	45.3	13.0	SSW/19.6%
8	2018/07	497(67%)	22.8	.8/E	58.7/NNE	62.6	34.2	3.2	.0	38.4	13.3	36.8	11.5	SSW/19.1%
9	2018/08	587(79%)	21.3	10.4/N	62.0/NNW	68.7	29.0	2.4	.0	41.7	12.4	16.4	29.5	N /25.7%
10	2018/09	715(99%)	19.6	8.7/SSW	67.0/S	71.0	26.9	2.1	.0	18.6	14.1	50.1	17.2	SSW/25.0%
11	2018/10	720(97%)	21.9	18.6/SSW	62.7/SSW	66.7	31.1	2.2	.0	.4	14.6	69.9	15.1	SSW/29.7%
12	2018/11	509(71%)	22.4	19.5/SSW	58.5/SSW	64.6	34.0	1.4	.0	.4	13.0	73.7	13.0	SSW/37.5%
13	2018/冬	1864(86%)	17.8	13.7/SSW	60.0/SSW	78.6	20.9	.5	.0	.6	16.7	61.5	21.1	SSW/24.1%
14	2018/春	2164(98%)	20.8	5.3/S	60.5/SSW	69.5	28.6	1.9	.0	26.8	16.2	46.7	10.4	SSW/21.0%
15	2018/夏	1800(82%)	22.1	3.0/NNW	62.0/NNW	65.5	31.8	2.7	.0	37.4	11.1	33.5	17.9	NNE/17.3%
16	2018/秋	1944(89%)	21.2	15.2/SSW	67.0/S	67.7	30.3	2.0	.0	7.1	14.0	63.6	15.3	SSW/30.0%
17	2018/年	7772(89%)	20.5	7.9/SSW	67.0/S	70.3	27.9	1.8	.0	18.1	14.6	51.4	15.9	SSW/22.6%

4-2-4

表4.2.2b 2018年澎湖海域 A 站潮流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12	744(100%)	8.3	7.9/SSW	13.9/S	100.0	.0	.0	.0	.0	.7	99.3	.0	SSW/42.6%
2	2018/01	744(100%)	8.3	7.9/SSW	14.0/S	100.0	.0	.0	.0	.0	.0	100.0	.0	SSW/40.7%
3	2018/02	672(100%)	8.3	7.9/SSW	13.8/S	100.0	.0	.0	.0	.0	.9	99.1	.0	SSW/41.7%
4	2018/03	744(100%)	8.3	7.9/SSW	13.3/S	100.0	.0	.0	.0	.0	1.3	98.7	.0	SSW/40.3%
5	2018/04	720(100%)	8.3	7.9/SSW	13.1/S	100.0	.0	.0	.0	.0	2.2	97.8	.0	SSW/41.3%
6	2018/05	744(100%)	8.3	7.9/SSW	13.5/S	100.0	.0	.0	.0	.0	2.8	97.2	.0	SSW/44.9%
7	2018/06	720(100%)	8.3	7.9/SSW	14.0/S	100.0	.0	.0	.0	.0	.7	99.3	.0	SSW/43.5%
8	2018/07	744(100%)	8.3	7.9/SSW	14.2/S	100.0	.0	.0	.0	.0	.0	100.0	.0	SSW/44.0%
9	2018/08	744(100%)	8.3	7.9/SSW	14.1/S	100.0	.0	.0	.0	.0	.0	100.0	.0	SSW/44.0%
10	2018/09	720(100%)	8.3	7.9/SSW	13.7/S	100.0	.0	.0	.0	.0	1.5	98.5	.0	SSW/41.3%
11	2018/10	744(100%)	8.4	7.9/SSW	13.3/S	100.0	.0	.0	.0	.0	2.6	97.4	.0	SSW/39.7%
12	2018/11	720(100%)	8.3	7.9/SSW	13.7/S	100.0	.0	.0	.0	.0	2.9	97.1	.0	SSW/39.3%
13	2018/冬	2160(100%)	8.3	7.9/SSW	14.0/S	100.0	.0	.0	.0	.0	.5	99.5	.0	SSW/41.7%
14	2018/春	2208(100%)	8.3	7.9/SSW	13.5/S	100.0	.0	.0	.0	.0	2.1	97.9	.0	SSW/42.2%
15	2018/夏	2208(100%)	8.3	7.9/SSW	14.2/S	100.0	.0	.0	.0	.0	.2	99.8	.0	SSW/43.8%
16	2018/秋	2184(100%)	8.3	7.9/SSW	13.7/S	100.0	.0	.0	.0	.0	2.3	97.7	.0	SSW/40.1%
17	2018/年	8760(100%)	8.3	7.9/SSW	14.2/S	100.0	.0	.0	.0	.0	1.3	98.7	.0	SSW/41.9%

4-2-5

表4.2.2c 2018年澎湖海域 A 站殘流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12	715(96%)	13.6	5.8/SSW	52.9/SSW	91.0	8.8	.1	.0	7.3	22.9	37.1	32.7	SSW/13.6%
2	2018/01	689(93%)	12.7	4.7/SW	51.4/NNE	91.9	8.0	.1	.0	10.2	16.5	37.6	35.7	SSW/15.7%
3	2018/02	460(69%)	13.6	7.9/SSW	49.3/SSW	88.3	11.7	.0	.0	9.1	18.5	46.7	25.7	SSW/20.7%
4	2018/03	729(98%)	15.4	8.2/SSW	51.3/S	82.2	17.8	.0	.0	15.2	22.9	45.8	16.0	SSW/17.8%
5	2018/04	714(99%)	17.5	2.7/ESE	65.7/NNE	78.7	19.6	1.7	.0	35.3	15.0	38.0	11.8	SSW/17.8%
6	2018/05	721(97%)	25.5	17.6/NNE	65.9/ENE	56.9	37.7	5.4	.0	70.7	3.7	18.2	7.4	NNE/29.5%
7	2018/06	716(99%)	22.0	6.1/N	67.8/NNE	66.1	30.3	3.6	.0	46.9	3.9	37.2	12.0	NNE/24.6%
8	2018/07	497(67%)	23.0	8.2/NNE	68.0/NNE	63.0	33.4	3.6	.0	52.7	10.5	29.0	7.8	NNE/26.2%
9	2018/08	587(79%)	24.6	18.0/NNE	67.3/N	62.2	31.5	6.3	.0	62.2	11.4	8.0	18.4	N /30.2%
10	2018/09	715(99%)	17.6	1.1/SSE	59.8/S	78.5	20.3	1.3	.0	34.4	10.9	36.8	17.9	SSW/17.6%
11	2018/10	720(97%)	16.2	10.7/SSW	58.5/SSW	80.4	19.0	.6	.0	3.6	24.4	50.3	21.7	SSW/19.3%
12	2018/11	509(71%)	16.9	11.6/SSW	52.4/S	80.2	19.6	.2	.0	3.7	18.9	56.2	21.2	SSW/29.5%
13	2018/冬	1864(86%)	13.3	5.9/SW	52.9/SSW	90.7	9.2	.1	.0	8.8	19.5	39.6	32.1	SSW/16.1%
14	2018/春	2164(98%)	19.5	3.5/ENE	65.9/ENE	72.6	25.0	2.4	.0	40.3	13.9	34.0	11.7	NNE/14.1%
15	2018/夏	1800(82%)	23.1	10.4/NNE	68.0/NNE	63.9	31.6	4.5	.0	53.5	8.2	25.4	12.9	NNE/26.4%
16	2018/秋	1944(89%)	16.9	7.3/SSW	59.8/S	79.6	19.7	.7	.0	15.0	18.0	46.9	20.2	SSW/21.3%
17	2018/年	7772(89%)	18.2	.0/WNW	68.0/NNE	76.7	21.4	1.9	.0	29.5	14.9	36.6	19.0	SSW/15.2%

4-2-6

表 4.2.3a 2018年澎湖海域 Y 站觀測流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12	744(100%)	29.6	21.8/SW	88.0/SW	50.4	32.4	17.2	.0	14.0	12.5	68.4	5.1	SW /36.7%
2	2018/01	744(100%)	28.6	20.2/SW	79.0/SW	51.9	34.0	14.1	.0	13.2	14.2	66.4	6.2	SW /32.4%
3	2018/02	671(100%)	27.4	17.2/SW	75.0/WSW	52.2	37.3	10.6	.0	18.5	11.9	63.8	5.8	SW /28.5%
4	2018/03	744(100%)	26.2	12.6/SW	71.0/WSW	52.0	42.1	5.9	.0	23.3	11.0	58.3	7.4	SW /24.6%
5	2018/04	698(97%)	24.1	9.0/SW	69.0/WSW	57.0	40.0	3.0	.0	29.5	7.9	54.7	7.9	SW /23.4%
6	2018/05	709(95%)	21.5	8.3/WSW	58.0/NE	61.4	38.2	.4	.0	25.5	7.3	55.0	12.1	WSW/24.8%
7	2018/06	658(91%)	22.8	9.3/WSW	79.0/SW	59.9	38.0	2.1	.0	23.1	7.8	55.0	14.1	SW /20.1%
8	2018/07	744(100%)	22.7	5.5/SW	64.0/ENE	59.9	38.0	2.0	.0	28.8	5.2	52.6	13.4	SW /20.4%
9	2018/08	744(100%)	20.2	7.3/SW	65.0/SSW	67.7	31.5	.8	.0	24.3	6.9	55.8	13.0	SW /20.0%
10	2018/09	720(100%)	26.6	12.4/SW	83.0/SW	54.4	34.9	10.7	.0	25.7	9.6	55.3	9.4	SW /24.6%
11	2018/10	744(100%)	30.9	17.9/SW	85.0/SW	46.1	37.8	16.1	.0	25.5	10.8	60.2	3.5	SW /32.5%
12	2018/11	720(100%)	29.7	15.9/SW	86.0/SW	48.9	36.7	14.4	.0	26.0	10.3	59.3	4.4	SW /30.1%
13	2018/冬	2159(100%)	28.6	19.8/SW	88.0/SW	51.5	34.5	14.1	.0	15.1	12.9	66.3	5.7	SW /32.7%
14	2018/春	2151(97%)	24.0	9.9/SW	71.0/WSW	56.7	40.1	3.2	.0	26.0	8.8	56.1	9.1	SW /22.2%
15	2018/夏	2146(97%)	21.8	7.3/SW	79.0/SW	62.6	35.7	1.6	.0	25.5	6.6	54.4	13.5	SW /20.2%
16	2018/秋	2184(100%)	29.1	15.4/SW	86.0/SW	49.8	36.4	13.8	.0	25.7	10.2	58.3	5.8	SW /29.1%
17	2018/年	8640(99%)	25.9	13.1/SW	88.0/SW	55.1	36.7	8.2	.0	23.1	9.6	58.8	8.5	SW /26.1%

4-2-7

表4.2.3b 2018年澎湖海域 Y 站潮流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12	744(100%)	21.7	13.0/SW	58.8/SW	63.6	34.8	1.6	.0	28.9	6.6	60.1	4.4	SW /38.7%
2	2018/01	744(100%)	22.1	13.0/SW	60.3/SW	62.0	35.5	2.6	.0	30.0	5.9	60.2	3.9	SW /39.0%
3	2018/02	672(100%)	21.4	13.1/SW	60.3/SW	63.5	34.8	1.6	.0	29.5	6.3	60.4	3.9	SW /40.2%
4	2018/03	744(100%)	22.0	13.0/SW	59.7/SW	62.6	34.9	2.4	.0	29.3	7.0	59.8	3.9	SW /39.4%
5	2018/04	720(100%)	21.7	13.0/SW	56.0/SW	64.7	34.0	1.3	.0	28.8	6.0	61.5	3.8	SW /41.0%
6	2018/05	744(100%)	21.7	13.0/SW	54.8/SW	65.2	33.5	1.3	.0	29.0	5.5	61.7	3.8	SW /40.5%
7	2018/06	720(100%)	21.4	13.1/SW	58.0/SW	64.4	33.9	1.7	.0	29.2	5.8	61.5	3.5	SW /41.4%
8	2018/07	744(100%)	21.3	13.0/SW	60.5/SW	64.4	33.9	1.7	.0	28.4	6.2	60.6	4.8	SW /38.6%
9	2018/08	744(100%)	21.3	13.1/SW	60.6/SW	62.4	35.8	1.9	.0	29.8	5.8	61.2	3.2	SW /38.7%
10	2018/09	720(100%)	21.5	13.1/SW	59.0/SW	62.5	35.8	1.7	.0	29.0	6.1	60.6	4.3	SW /39.4%
11	2018/10	744(100%)	21.5	13.1/SW	56.3/SW	64.7	34.0	1.3	.0	28.8	5.9	60.9	4.4	SW /41.3%
12	2018/11	720(100%)	21.6	13.1/SW	54.5/SW	64.9	33.2	1.9	.0	28.2	6.4	61.5	3.9	SW /41.1%
13	2018/冬	2160(100%)	21.7	13.1/SW	60.3/SW	63.0	35.0	1.9	.0	29.4	6.3	60.2	4.1	SW /39.3%
14	2018/春	2208(100%)	21.8	13.0/SW	59.7/SW	64.2	34.1	1.7	.0	29.0	6.2	61.0	3.8	SW /40.3%
15	2018/夏	2208(100%)	21.3	13.1/SW	60.6/SW	63.7	34.5	1.8	.0	29.1	5.9	61.1	3.8	SW /39.5%
16	2018/秋	2184(100%)	21.6	13.1/SW	59.0/SW	64.0	34.3	1.6	.0	28.7	6.1	61.0	4.2	SW /40.6%
17	2018/年	8760(100%)	21.6	13.1/SW	60.6/SW	63.7	34.5	1.8	.0	29.1	6.1	60.8	4.0	SW /39.9%

4-2-8

表4.2.3c 2018年澎湖海域 Y 站殘流流速及流向重要統計量統計表

序號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12	744(100%)	15.7	8.7/SW	49.5/WSW	87.4	12.6	.0	.0	12.9	20.7	58.2	8.2	WSW/19.9%
2	2018/01	744(100%)	14.8	7.3/SSW	41.3/SSW	91.1	8.9	.0	.0	13.8	21.6	52.6	12.0	SW /15.6%
3	2018/02	671(100%)	14.1	4.1/SW	37.8/WSW	93.0	7.0	.0	.0	20.9	17.1	47.7	14.3	SW /15.6%
4	2018/03	744(100%)	13.6	.5/E	40.9/NNW	93.4	6.6	.0	.0	33.5	14.5	35.6	16.4	SW /10.3%
5	2018/04	698(97%)	12.3	4.0/NE	38.4/NE	96.8	3.2	.0	.0	41.1	14.3	21.6	22.9	NE /12.9%
6	2018/05	709(95%)	12.3	5.6/NNE	41.6/NE	96.9	3.1	.0	.0	50.2	11.6	16.8	21.4	NNE/17.2%
7	2018/06	658(91%)	13.4	4.6/NNE	43.8/SW	92.9	7.1	.0	.0	41.5	8.5	23.3	26.7	NNE/14.0%
8	2018/07	744(100%)	14.7	7.6/NE	45.8/ENE	88.7	11.3	.0	.0	54.3	8.5	17.3	19.9	NE /21.1%
9	2018/08	744(100%)	13.8	5.8/NE	50.6/ENE	91.5	8.5	.0	.0	51.9	8.2	19.6	20.3	NE /20.6%
10	2018/09	720(100%)	14.9	2.0/ESE	41.3/S	88.8	11.3	.0	.0	37.8	17.9	30.6	13.8	NE /14.2%
11	2018/10	744(100%)	14.3	5.1/SSW	42.9/ENE	91.1	8.9	.0	.0	22.7	19.6	47.0	10.6	SSW/17.7%
12	2018/11	720(100%)	14.9	2.9/SSW	45.9/WSW	92.4	7.6	.0	.0	28.6	18.2	42.2	11.0	SW /15.7%
13	2018/冬	2159(100%)	14.9	6.8/SW	49.5/WSW	90.4	9.6	.0	.0	15.7	19.9	53.0	11.4	SW /16.6%
14	2018/春	2151(97%)	12.7	3.2/NNE	41.6/NE	95.7	4.3	.0	.0	41.5	13.5	24.9	20.2	NNE/12.2%
15	2018/夏	2146(97%)	14.0	6.0/NNE	50.6/ENE	91.0	9.0	.0	.0	49.5	8.4	19.9	22.1	NE /18.7%
16	2018/秋	2184(100%)	14.7	2.7/S	45.9/WSW	90.8	9.2	.0	.0	29.6	18.6	40.0	11.8	SSW/12.7%
17	2018/年	8640(99%)	14.1	.0/SW	50.6/ENE	91.9	8.1	.0	.0	34.0	15.1	34.5	16.3	NE /11.4%

4-2-9

表 4.2.4a 2018年澎湖海域 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	2017/12	738(99%)	87.1	23.8/ENE	207.0/N	8.8	19.9	32.9	38.3	40.4	40.1	2.3	17.2	N /31.0%
2	2018/01	721(97%)	86.4	25.7/NE	211.0/N	11.1	17.1	31.6	40.2	43.0	39.5	1.1	16.4	N /33.0%
3	2018/02	649(97%)	88.6	30.6/NE	215.0/SSE	8.8	18.2	31.3	41.8	44.5	38.7	1.7	15.1	N /35.3%
4	2018/03	62(8%)	98.8	40.0/NE	197.0/N	4.8	19.4	22.6	53.2	51.6	35.5	4.8	8.1	N /40.3%
5	2018/04													
6	2018/05													
7	2018/06	375(52%)	90.8	67.0/NNE	222.0/N	10.4	21.3	28.3	40.0	59.7	24.5	2.4	13.3	N /46.4%
8	2018/07	712(96%)	95.0	68.4/NNE	234.0/N	7.9	19.5	30.2	42.4	59.1	25.8	3.9	11.1	N /46.9%
9	2018/08	707(95%)	84.5	59.4/NNE	237.0/N	10.9	24.2	29.6	35.4	54.7	27.7	3.0	14.6	N /42.7%
10	2018/09	668(93%)	84.3	38.4/NNE	219.0/N	11.4	21.7	29.8	37.1	50.0	32.9	2.7	14.4	N /38.2%
11	2018/10	743(100%)	87.6	28.3/NE	228.0/N	9.8	17.9	33.4	38.9	43.9	39.8	2.2	14.1	N /32.6%
12	2018/11	604(84%)	87.7	30.7/NE	200.0/N	9.3	17.9	34.3	38.6	43.9	38.1	2.0	16.1	N /37.1%
13	2018/冬	2108(98%)	87.4	26.4/NE	215.0/SSE	9.6	18.4	32.0	40.0	42.6	39.5	1.7	16.3	N /33.0%
14	2018/春	62(3%)	98.8	40.0/NE	197.0/N	4.8	19.4	22.6	53.2	51.6	35.5	4.8	8.1	N /40.3%
15	2018/夏	1794(81%)	90.0	64.6/NNE	237.0/N	9.6	21.7	29.5	39.1	57.5	26.3	3.2	12.9	N /45.2%
16	2018/秋	2015(92%)	86.5	31.8/NE	228.0/N	10.2	19.2	32.5	38.2	45.9	37.0	2.3	14.8	N /35.8%
17	2018/年	5979(68%)	88.0	38.3/NNE	237.0/N	9.7	19.7	31.3	39.3	48.3	34.7	2.4	14.7	N /37.7%

4-2-10

表 4.2.4b 2018 年澎湖海域 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	2017/12	744(100%)	54.2	38.3/NNE	126.3/N	12.1	41.0	41.7	5.2	69.8	30.2	.0	.0	N /29.7%
2	2018/01	744(100%)	54.6	38.3/NNE	128.3/N	9.7	43.0	41.8	5.5	69.0	31.0	.0	.0	N /30.6%
3	2018/02	672(100%)	55.1	38.3/NNE	130.6/N	12.4	41.4	40.2	6.1	68.6	31.4	.0	.0	N /29.3%
4	2018/03	744(100%)	55.4	38.3/NNE	129.6/N	13.4	39.9	39.2	7.4	68.8	31.2	.0	.0	N /29.0%
5	2018/04	720(100%)	55.6	38.3/NNE	126.0/N	12.4	41.8	37.5	8.3	70.8	29.2	.0	.0	N /27.8%
6	2018/05	744(100%)	55.7	38.2/NNE	122.1/N	11.3	40.5	39.9	8.3	69.8	30.2	.0	.0	N /29.4%
7	2018/06	720(100%)	55.4	38.2/NNE	126.9/N	9.7	43.6	39.6	7.1	69.6	30.4	.0	.0	N /30.4%
8	2018/07	744(100%)	54.8	38.2/NNE	129.2/N	11.0	42.7	40.5	5.8	68.3	31.7	.0	.0	N /30.5%
9	2018/08	744(100%)	54.2	38.3/NNE	129.9/N	11.6	42.3	40.2	5.9	68.5	31.5	.0	.0	N /29.0%
10	2018/09	720(100%)	54.2	38.3/NNE	128.5/N	13.8	40.6	39.9	5.8	69.0	31.0	.0	.0	N /28.6%
11	2018/10	744(100%)	54.3	38.3/NNE	127.1/N	13.0	41.3	40.3	5.4	71.0	29.0	.0	.0	N /28.0%
12	2018/11	720(100%)	55.0	38.3/NNE	121.6/N	11.4	42.2	38.5	7.9	70.4	29.6	.0	.0	N /27.8%
13	2018/冬	2160(100%)	54.6	38.3/NNE	130.6/N	11.3	41.8	41.3	5.6	69.1	30.9	.0	.0	N /29.9%
14	2018/春	2208(100%)	55.5	38.2/NNE	129.6/N	12.4	40.7	38.9	8.0	69.8	30.2	.0	.0	N /28.8%
15	2018/夏	2208(100%)	54.8	38.2/NNE	129.9/N	10.8	42.9	40.1	6.3	68.8	31.2	.0	.0	N /30.0%
16	2018/秋	2184(100%)	54.5	38.3/NNE	128.5/N	12.7	41.3	39.6	6.4	70.1	29.9	.0	.0	N /28.1%
17	2018/年	8760(100%)	54.9	38.3/NNE	130.6/N	11.8	41.7	39.9	6.6	69.5	30.5	.0	.0	N /29.2%

4-2-11

表 4.2.4c 2018 年澎湖海域 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	2017/12	738(99%)	82.4	21.4/S	240.8/S	13.8	20.7	31.7	33.7	14.1	41.6	12.7	31.6	S /29.0%
2	2018/01	721(97%)	80.1	17.5/S	224.2/SSE	14.3	20.4	35.1	30.2	14.7	36.9	16.0	32.5	S /26.9%
3	2018/02	649(97%)	83.6	11.5/SSE	259.7/SSE	14.8	16.2	34.4	34.7	16.5	38.5	10.9	34.1	N /24.0%
4	2018/03	62(8%)	63.5	4.7/ESE	141.4/S	14.5	33.9	37.1	14.5	32.3	30.6	12.9	24.2	N /25.8%
5	2018/04													
6	2018/05													
7	2018/06	375(52%)	68.7	32.3/N	192.2/SSE	14.9	23.5	42.4	19.2	28.8	14.9	19.2	37.1	N /33.3%
8	2018/07	711(96%)	81.6	33.4/N	203.8/N	10.3	17.9	41.6	30.4	26.3	18.8	18.0	37.0	N /36.0%
9	2018/08	707(95%)	75.1	25.2/N	216.2/N	12.0	22.9	38.5	26.6	21.4	23.3	17.8	37.5	N /28.3%
10	2018/09	668(93%)	78.3	1.6/NW	263.1/SSE	12.4	20.4	39.7	27.5	16.3	27.5	17.7	38.5	N /23.5%
11	2018/10	743(100%)	84.7	16.5/SSE	238.1/SSE	11.4	20.7	32.2	35.7	16.2	37.3	14.1	32.4	S /23.6%
12	2018/11	604(84%)	80.9	9.5/S	222.8/S	12.9	19.5	36.3	31.3	12.1	36.1	13.6	38.2	S /25.0%
13	2018/冬	2108(98%)	82.0	17.0/S	259.7/SSE	14.3	19.2	33.7	32.8	15.0	39.0	13.3	32.6	S /26.1%
14	2018/春	62(3%)	63.5	4.7/ESE	141.4/S	14.5	33.9	37.1	14.5	32.3	30.6	12.9	24.2	N /25.8%
15	2018/夏	1793(81%)	76.3	29.9/N	216.2/N	11.9	21.0	40.5	26.5	24.9	19.8	18.2	37.2	N /32.4%
16	2018/秋	2015(92%)	81.4	8.5/S	263.1/SSE	12.2	20.2	35.9	31.7	15.0	33.7	15.1	36.2	S /22.7%
17	2018/年	5978(68%)	79.9	.1/NNW	263.1/SSE	12.9	20.3	36.5	30.4	18.1	31.4	15.4	35.1	N /24.7%

4-2-12

表 4.2.5a 2018 年澎湖海域 R 站觀測流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12													
2	2018/01													
3	2018/02													
4	2018/03													
5	2018/04													
6	2018/05	61(8%)	87.5	84.9/NE	136.0/NNE	.0	.0	72.1	27.9	100.0	.0	.0	.0	NE /55.7%
7	2018/06	700(97%)	63.3	45.5/NE	161.0/N	6.1	28.3	58.4	7.1	70.0	14.7	3.7	11.6	NNE/19.4%
8	2018/07	720(97%)	65.8	54.4/NE	154.0/NNE	3.1	27.6	62.4	6.9	77.8	18.6	.0	3.6	NNE/22.9%
9	2018/08	687(92%)	67.1	47.7/NE	144.0/N	6.3	24.2	58.4	11.2	62.3	21.4	2.3	14.0	E /18.5%
10	2018/09	682(95%)	52.5	12.6/NNE	142.0/SSW	13.3	41.1	41.6	4.0	40.9	19.4	17.2	22.6	N /13.0%
11	2018/10	730(98%)	41.0	5.4/NNW	100.0/W	22.9	50.5	26.6	.0	27.7	23.2	22.3	26.8	N /13.3%
12	2018/11	709(99%)	45.9	22.4/WSW	114.0/S	16.4	46.5	36.2	.8	7.1	11.7	43.7	37.5	SSW/14.2%
13	2018/冬													
14	2018/春	61(3%)	87.5	84.9/NE	136.0/NNE	.0	.0	72.1	27.9	100.0	.0	.0	.0	NE /55.7%
15	2018/夏	2107(95%)	65.4	49.2/NE	161.0/N	5.1	26.7	59.8	8.4	70.1	18.2	2.0	9.6	NNE/19.8%
16	2018/秋	2121(97%)	46.3	6.8/WNW	142.0/SSW	17.6	46.2	34.7	1.6	25.0	18.1	27.8	29.0	N /10.5%
17	2018/年	4289(49%)	56.3	24.4/NE	161.0/N	11.2	36.0	47.5	5.3	48.3	17.9	14.7	19.1	NNE/13.8%

4-2-13

表 4.2.5b 2018 年澎湖海域 R 站潮流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12	744(100%)	39.3	24.5/NE	85.9/N	24.1	50.7	25.3	.0	48.5	34.1	.3	17.1	N /31.2%
2	2018/01	744(100%)	39.7	24.5/NE	85.0/N	22.3	51.9	25.8	.0	46.0	35.5	.1	18.4	N /29.8%
3	2018/02	672(100%)	38.8	24.5/NE	82.0/N	21.4	54.6	24.0	.0	47.9	33.6	.3	18.2	N /28.9%
4	2018/03	744(100%)	39.5	24.5/NE	82.1/N	20.4	54.8	24.7	.0	47.0	34.8	.3	17.9	N /30.9%
5	2018/04	720(100%)	39.0	24.5/NE	82.0/N	22.8	53.9	23.3	.0	49.4	33.9	.1	16.5	N /31.8%
6	2018/05	744(100%)	38.8	24.4/NE	84.0/N	23.7	53.1	23.3	.0	49.3	34.3	.3	16.1	N /32.7%
7	2018/06	720(100%)	38.7	24.5/NE	85.5/N	24.2	53.1	22.8	.0	50.7	34.3	.1	14.9	N /30.7%
8	2018/07	744(100%)	38.7	24.5/NE	84.0/N	23.0	53.5	23.5	.0	48.8	34.5	.4	16.3	N /28.2%
9	2018/08	744(100%)	38.8	24.4/NE	81.9/N	21.2	54.2	24.6	.0	48.1	33.9	.0	18.0	N /29.6%
10	2018/09	720(100%)	38.9	24.4/NE	83.4/N	20.6	55.1	24.3	.0	47.8	34.6	.1	17.5	N /29.2%
11	2018/10	744(100%)	38.9	24.4/NE	84.2/N	22.8	53.6	23.5	.0	49.6	34.4	.1	15.9	N /32.0%
12	2018/11	720(100%)	39.0	24.5/NE	83.2/N	23.9	51.9	24.2	.0	50.0	34.2	.3	15.6	N /32.6%
13	2018/冬	2160(100%)	39.3	24.5/NE	85.9/N	22.6	52.3	25.0	.0	47.5	34.4	.2	17.9	N /30.0%
14	2018/春	2208(100%)	39.1	24.4/NE	84.0/N	22.3	53.9	23.8	.0	48.6	34.3	.2	16.8	N /31.8%
15	2018/夏	2208(100%)	38.7	24.5/NE	85.5/N	22.8	53.6	23.6	.0	49.2	34.2	.2	16.4	N /29.5%
16	2018/秋	2184(100%)	38.9	24.4/NE	84.2/N	22.4	53.6	24.0	.0	49.1	34.4	.2	16.3	N /31.3%
17	2018/年	8760(100%)	39.0	24.5/NE	85.9/N	22.5	53.4	24.1	.0	48.6	34.3	.2	16.8	N /30.6%

4-2-14

表4.2.5c 2018年澎湖海域 R 站殘流流速及流向重要統計量統計表

序號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12													
2	2018/01													
3	2018/02													
4	2018/03													
5	2018/04													
6	2018/05	61(8%)	65.4	61.9/NE	109.0/NNE	1.6	24.6	72.1	1.6	98.4	1.6	.0	.0	NE /36.1%
7	2018/06	700(97%)	37.9	21.3/NE	112.2/NNE	29.7	48.4	21.4	.4	62.4	13.0	11.3	13.3	ENE/21.4%
8	2018/07	720(97%)	34.7	30.3/NE	98.1/NNE	32.5	50.1	17.4	.0	82.2	10.8	1.1	5.8	NE /28.5%
9	2018/08	687(92%)	38.7	23.8/NE	90.8/ENE	25.6	49.8	24.6	.0	61.9	13.7	7.7	16.7	ENE/22.1%
10	2018/09	682(95%)	36.7	12.6/SW	135.9/SW	38.7	39.1	19.8	2.3	25.5	17.3	40.5	16.7	SW /14.7%
11	2018/10	730(98%)	32.6	22.4/SW	110.1/WSW	48.1	31.6	20.1	.1	7.1	16.7	61.1	15.1	SW /21.4%
12	2018/11	709(99%)	49.1	44.9/SW	110.7/SW	13.4	42.9	43.2	.6	.0	3.4	90.0	6.6	SW /35.5%
13	2018/冬													
14	2018/春	61(3%)	65.4	61.9/NE	109.0/NNE	1.6	24.6	72.1	1.6	98.4	1.6	.0	.0	NE /36.1%
15	2018/夏	2107(95%)	37.1	25.2/NE	112.2/NNE	29.3	49.5	21.1	.1	69.0	12.5	6.6	11.9	ENE/23.5%
16	2018/秋	2121(97%)	39.4	26.8/SW	135.9/SW	33.5	37.8	27.7	1.0	10.7	12.4	64.1	12.8	SW /24.0%
17	2018/年	4289(49%)	38.6	.0/NW	135.9/SW	31.0	43.3	25.1	.6	40.6	12.3	35.0	12.1	ENE/13.0%

4-2-15

4.3 2018 年澎湖海域各測站觀測海流與 計算潮流(殘流)歷線比較圖

Current Speed in Peng-Hu Harbor of PHX0 at 2018

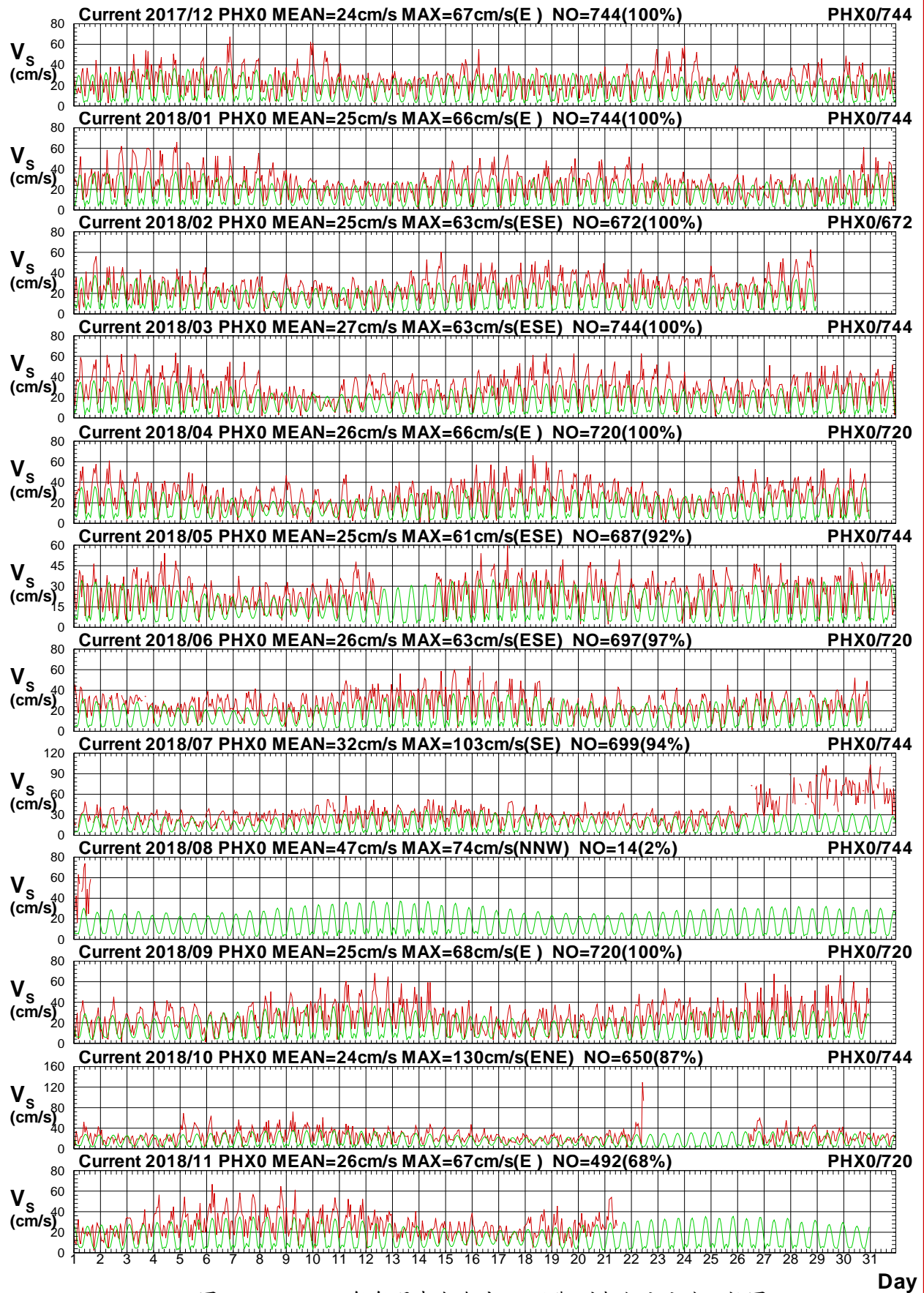


圖4.3.1a 2018年每月澎湖海域 X 站觀測與潮流流速比較圖

C17CPHX0.1H0 C17CPHX0.1HD C181PHX0.1H0 C181PHX0.1HD C182PHX0.1H0 C182PHX0.1HD
 C183PHX0.1H0 C183PHX0.1HD C184PHX0.1H0 C184PHX0.1HD C185PHX0.1H0 C185PHX0.1HD

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Current Direction in Peng-Hu Harbor of PHX0 at 2018

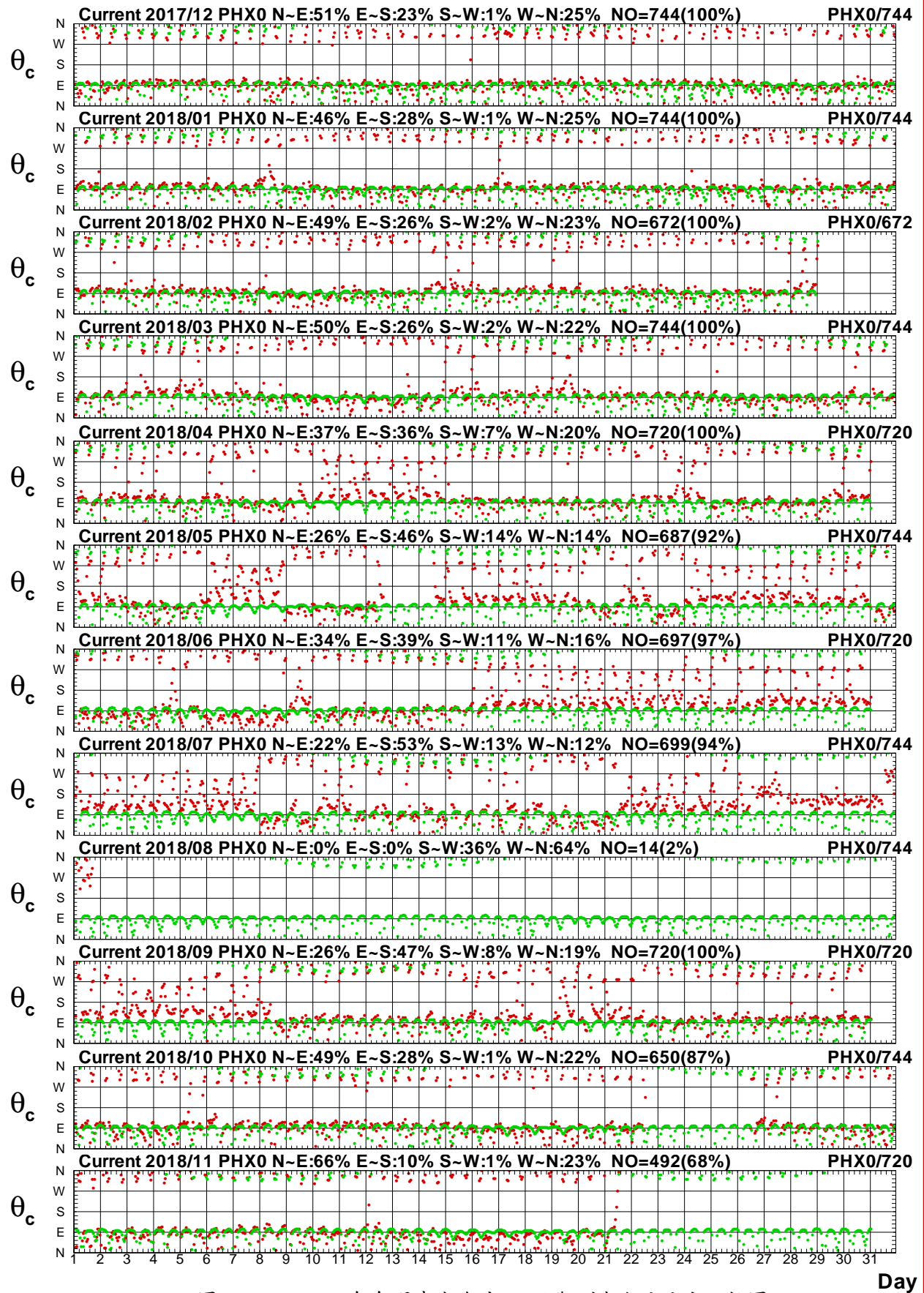


圖4.3.1b 2018年每月澎湖海域 X 站觀測與潮流流向比較圖

C17CPHX0.1H0 C17CPHX0.1HD C181PHX0.1H0 C181PHX0.1HD C182PHX0.1H0 C182PHX0.1HD
 C183PHX0.1H0 C183PHX0.1HD C184PHX0.1H0 C184PHX0.1HD C185PHX0.1H0 C185PHX0.1HD

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Current Speed in Peng-Hu Harbor of PHX0 at 2018

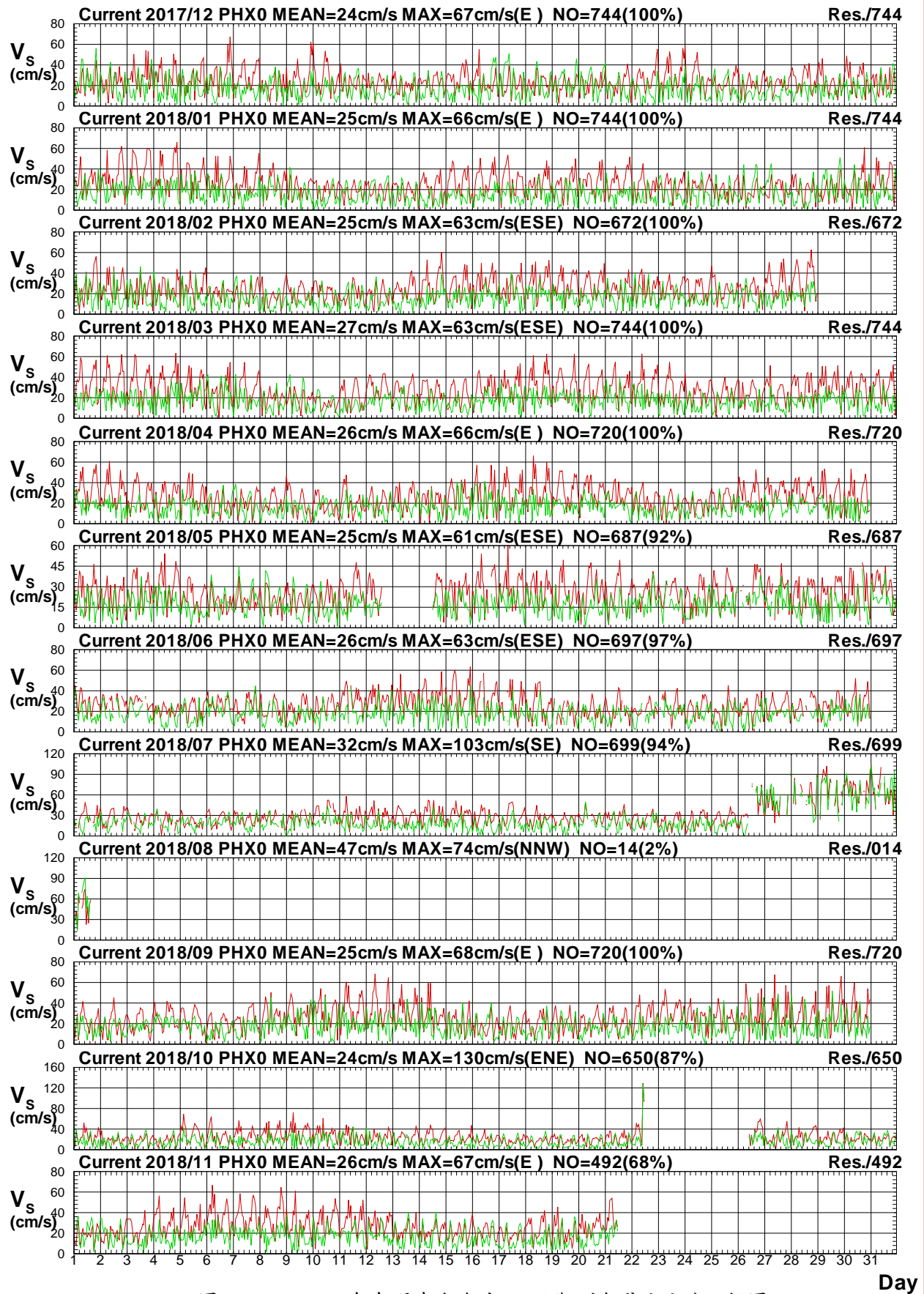


圖4.3.2a 2018年每月澎湖海域 X 站觀測與殘流流速比較圖

C17CPHX0.1H0 C17CPHX0.1HR C181PHX0.1H0 C181PHX0.1HR C182PHX0.1H0 C182PHX0.1HR
 C183PHX0.1H0 C183PHX0.1HR C184PHX0.1H0 C184PHX0.1HR C185PHX0.1H0 C185PHX0.1HR

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Current Direction in Peng-Hu Harbor of PHX0 at 2018

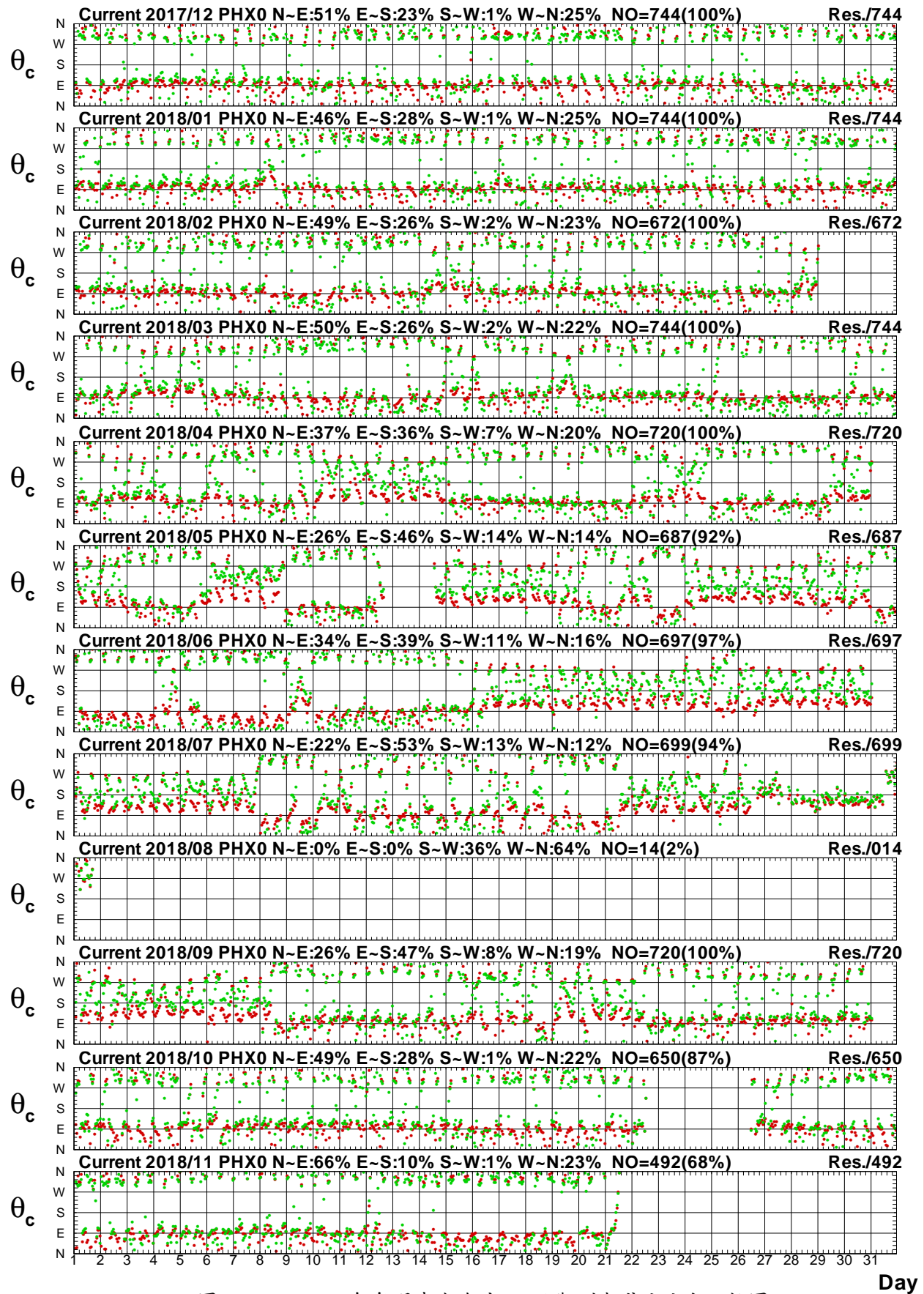


圖4.3.2b 2018年每月澎湖海域 X 站觀測與殘流流向比較圖

C17CPHX0.1H0 C17CPHX0.1HR C181PHX0.1H0 C181PHX0.1HR C182PHX0.1H0 C182PHX0.1HR
 C183PHX0.1H0 C183PHX0.1HR C184PHX0.1H0 C184PHX0.1HR C185PHX0.1H0 C185PHX0.1HR

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Current Speed in Peng-Hu Harbor of PHA0 at 2018

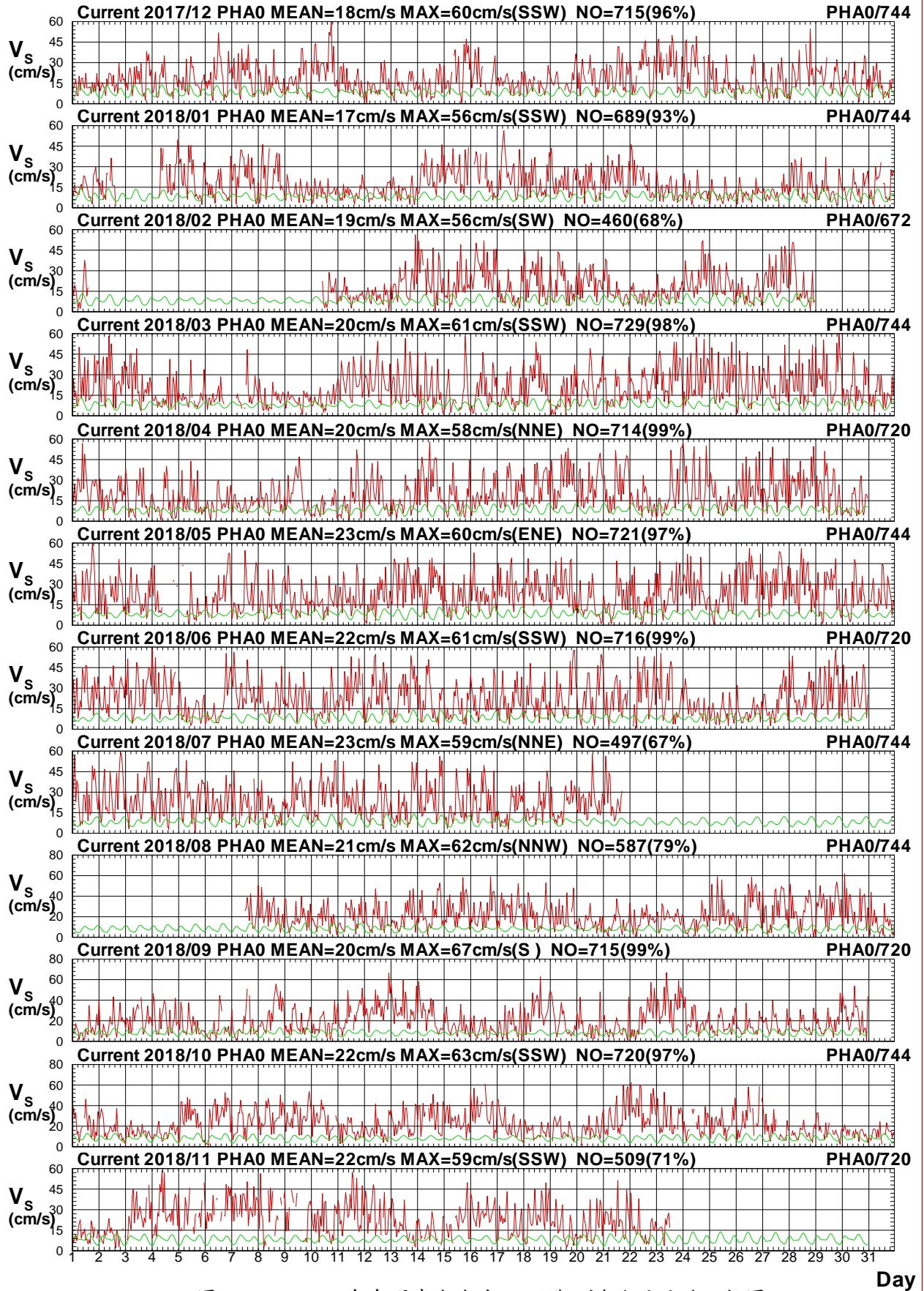


圖4.3.3a 2018年每月澎湖海域 A 站觀測與潮流流速比較圖

C17CPHA0.1H0 C17CPHA0.1HD C181PHA0.1H0 C181PHA0.1HD C182PHA0.1H0 C182PHA0.1HD
 C183PHA0.1H0 C183PHA0.1HD C184PHA0.1H0 C184PHA0.1HD C185PHA0.1H0 C185PHA0.1HD

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Current Direction in Peng-Hu Harbor of PHA0 at 2018

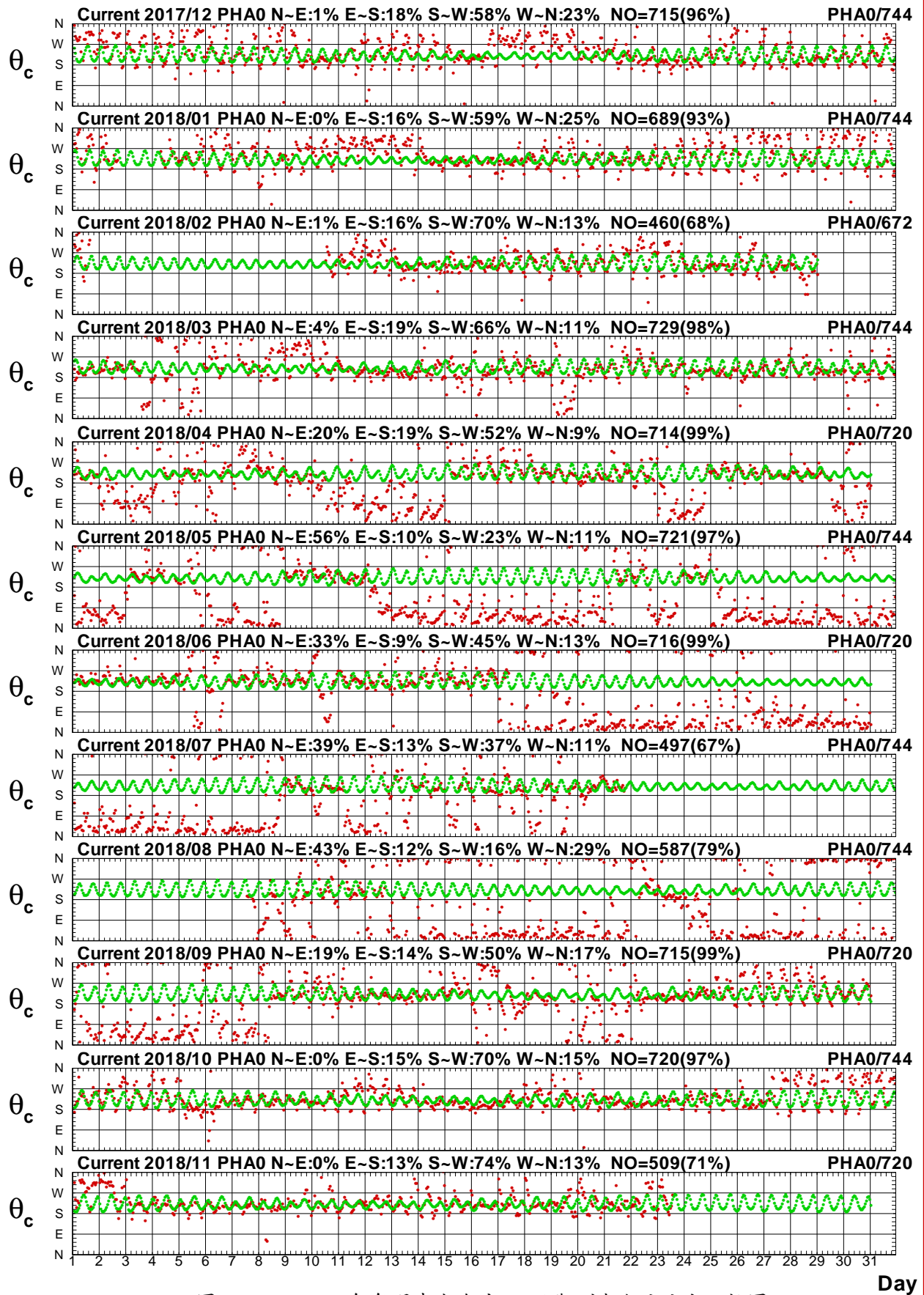


圖4.3.3b 2018年每月澎湖海域 A 站觀測與潮流流向比較圖

C17CPHA0.1H0 C17CPHA0.1HD C181PHA0.1H0 C181PHA0.1HD C182PHA0.1H0 C182PHA0.1HD
 C183PHA0.1H0 C183PHA0.1HD C184PHA0.1H0 C184PHA0.1HD C185PHA0.1H0 C185PHA0.1HD

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Current Speed in Peng-Hu Harbor of PHA0 at 2018

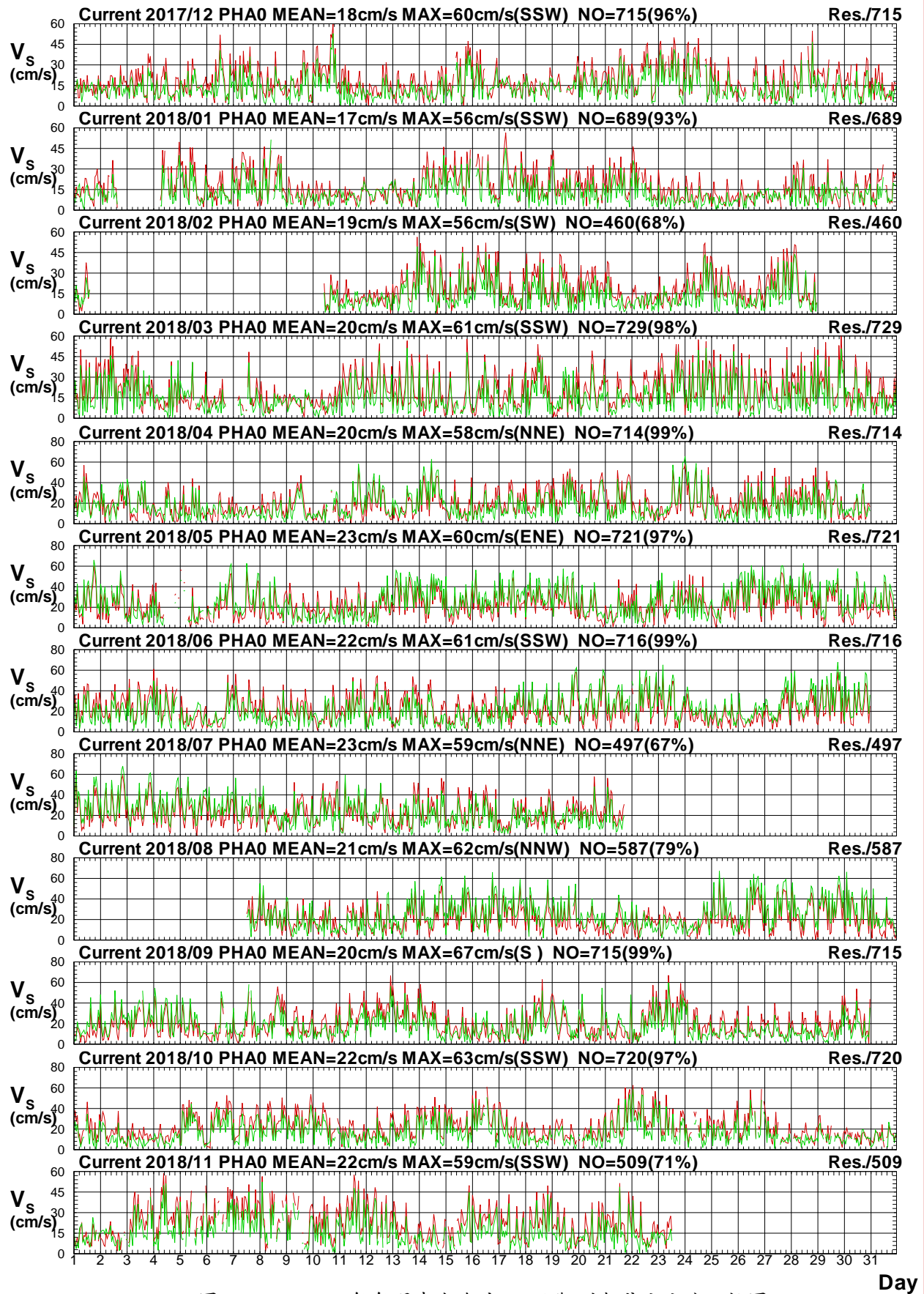


圖4.3.4a 2018年每月澎湖海域 A 站觀測與殘流流速比較圖

C17CPHA0.1H0 C17CPHA0.1HR C181PHA0.1H0 C181PHA0.1HR C182PHA0.1H0 C182PHA0.1HR
 C183PHA0.1H0 C183PHA0.1HR C184PHA0.1H0 C184PHA0.1HR C185PHA0.1H0 C185PHA0.1HR

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Current Direction in Peng-Hu Harbor of PHA0 at 2018

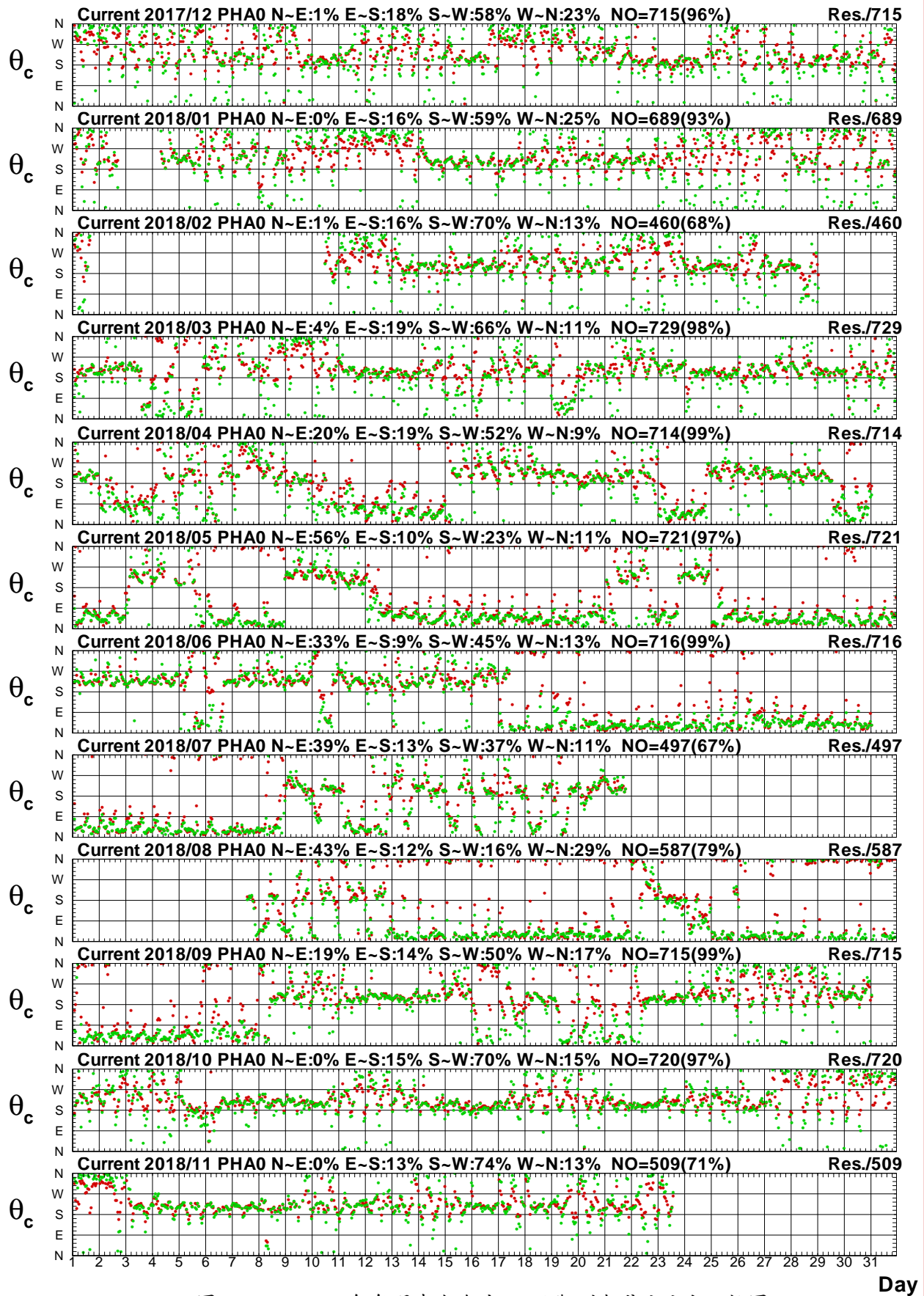


圖4.3.4b 2018年每月澎湖海域 A 站觀測與殘流流向比較圖

C17CPHA0.1H0 C17CPHA0.1HR C181PHA0.1H0 C181PHA0.1HR C182PHA0.1H0 C182PHA0.1HR
 C183PHA0.1H0 C183PHA0.1HR C184PHA0.1H0 C184PHA0.1HR C185PHA0.1H0 C185PHA0.1HR

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Current Speed in Peng-Hu Harbor of PHY0 at 2018

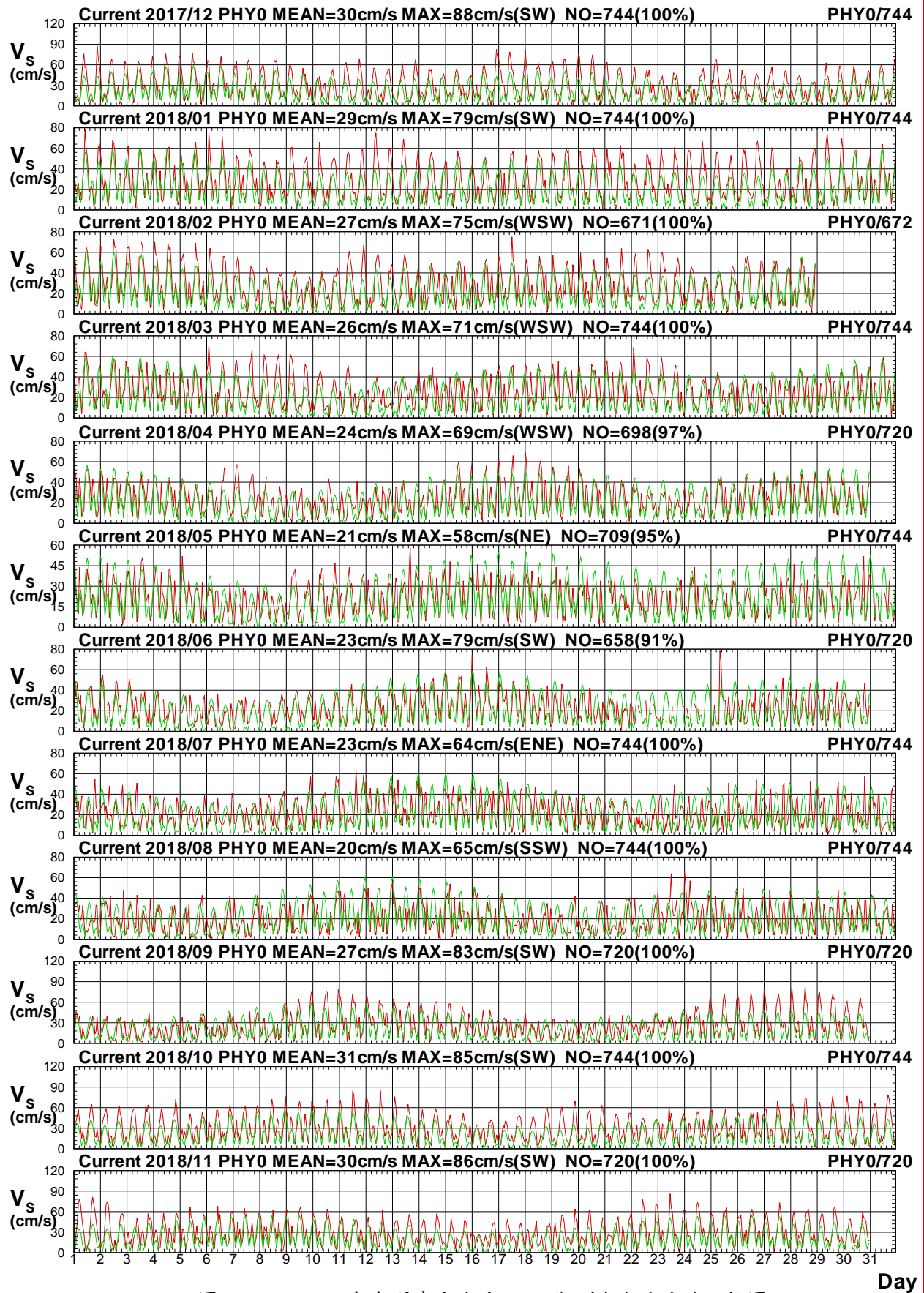


圖4.3.5a 2018年每月澎湖海域 Y 站觀測與潮流流速比較圖

C17CPHY0.1HD C17CPHY0.1HD C181PHY0.1HD C181PHY0.1HD C182PHY0.1HD C182PHY0.1HD
 C183PHY0.1HD C183PHY0.1HD C184PHY0.1HD C184PHY0.1HD C185PHY0.1HD C185PHY0.1HD

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Current Direction in Peng-Hu Harbor of PHY0 at 2018

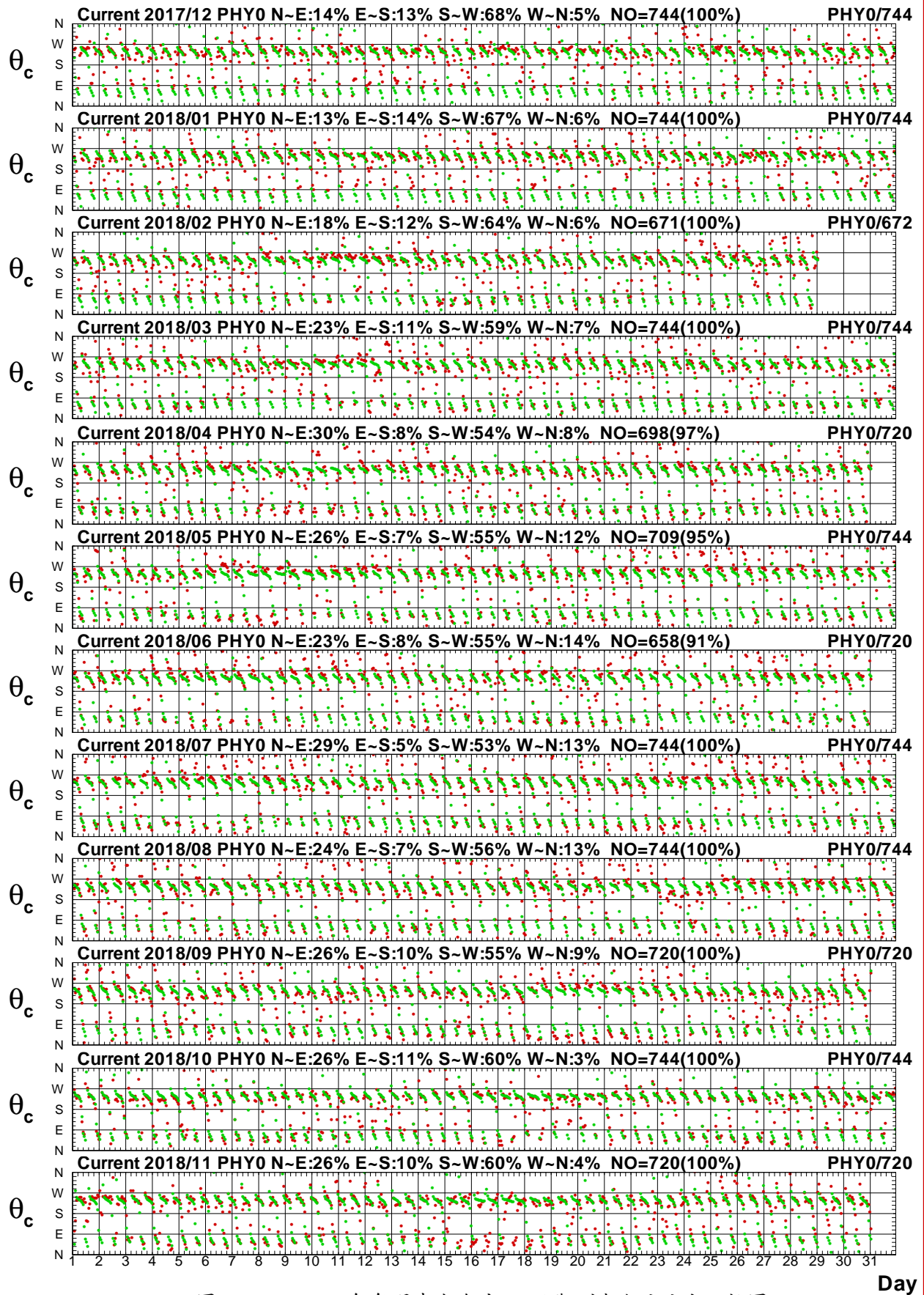


圖4.3.5b 2018年每月澎湖海域 Y 站觀測與潮流流向比較圖

C17CPHY0.1H0 C17CPHY0.1HD C181PHY0.1H0 C181PHY0.1HD C182PHY0.1H0 C182PHY0.1HD
 C183PHY0.1H0 C183PHY0.1HD C184PHY0.1H0 C184PHY0.1HD C185PHY0.1H0 C185PHY0.1HD

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Current Speed in Peng-Hu Harbor of PHY0 at 2018

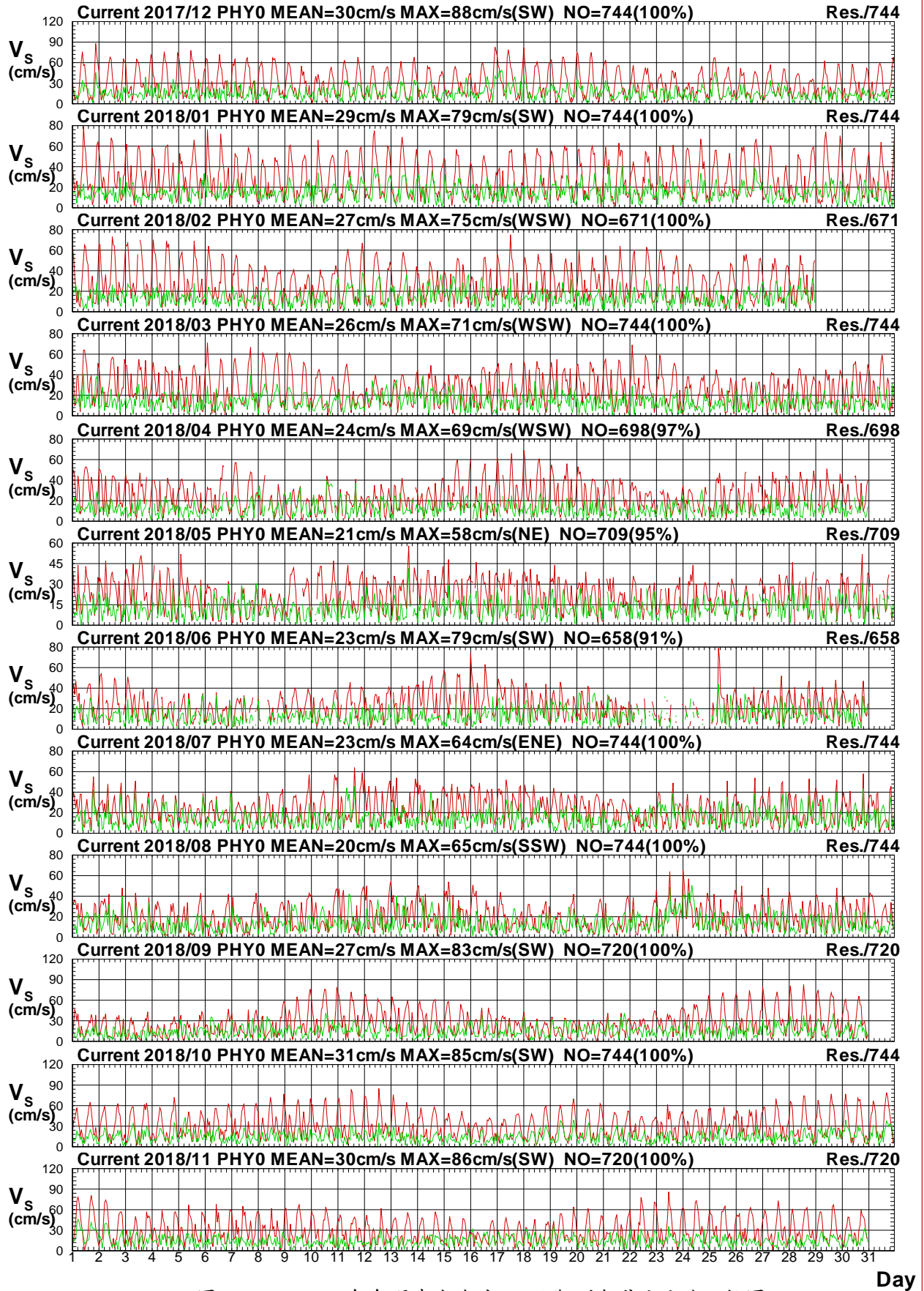


圖4.3.6a 2018年每月澎湖海域 Y 站觀測與殘流流速比較圖

C17CPHY0.1H0 C17CPHY0.1HR C181PHY0.1H0 C181PHY0.1HR C182PHY0.1H0 C182PHY0.1HR
 C183PHY0.1H0 C183PHY0.1HR C184PHY0.1H0 C184PHY0.1HR C185PHY0.1H0 C185PHY0.1HR

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Current Direction in Peng-Hu Harbor of PHY0 at 2018

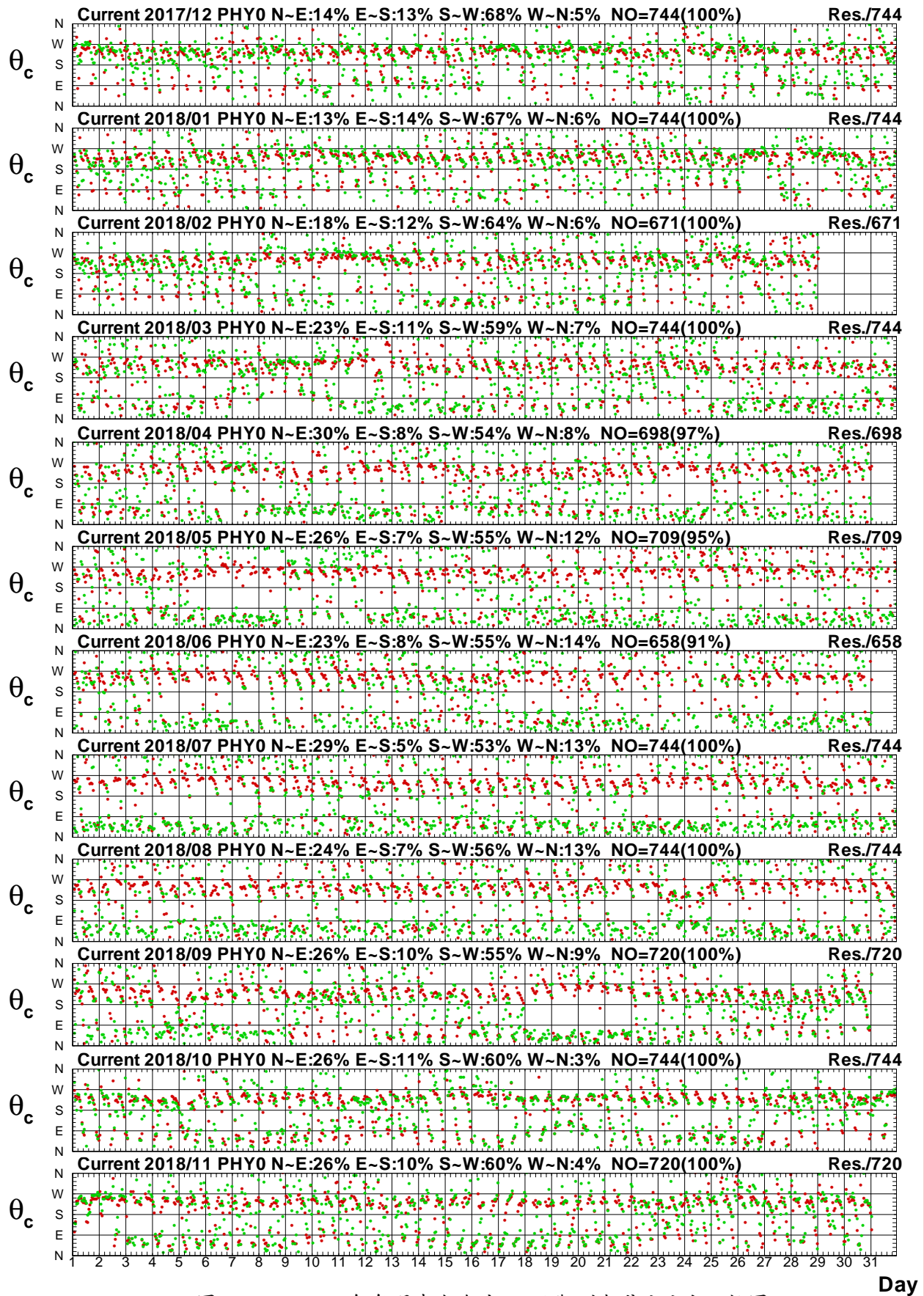


圖4.3.6b 2018年每月澎湖海域 Y 站觀測與殘流流向比較圖

C17CPHY0.1H0 C17CPHY0.1HR C181PHY0.1H0 C181PHY0.1HR C182PHY0.1H0 C182PHY0.1HR
 C183PHY0.1H0 C183PHY0.1HR C184PHY0.1H0 C184PHY0.1HR C185PHY0.1H0 C185PHY0.1HR

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Current Speed in Peng-Hu Harbor of PHZ0 at 2018

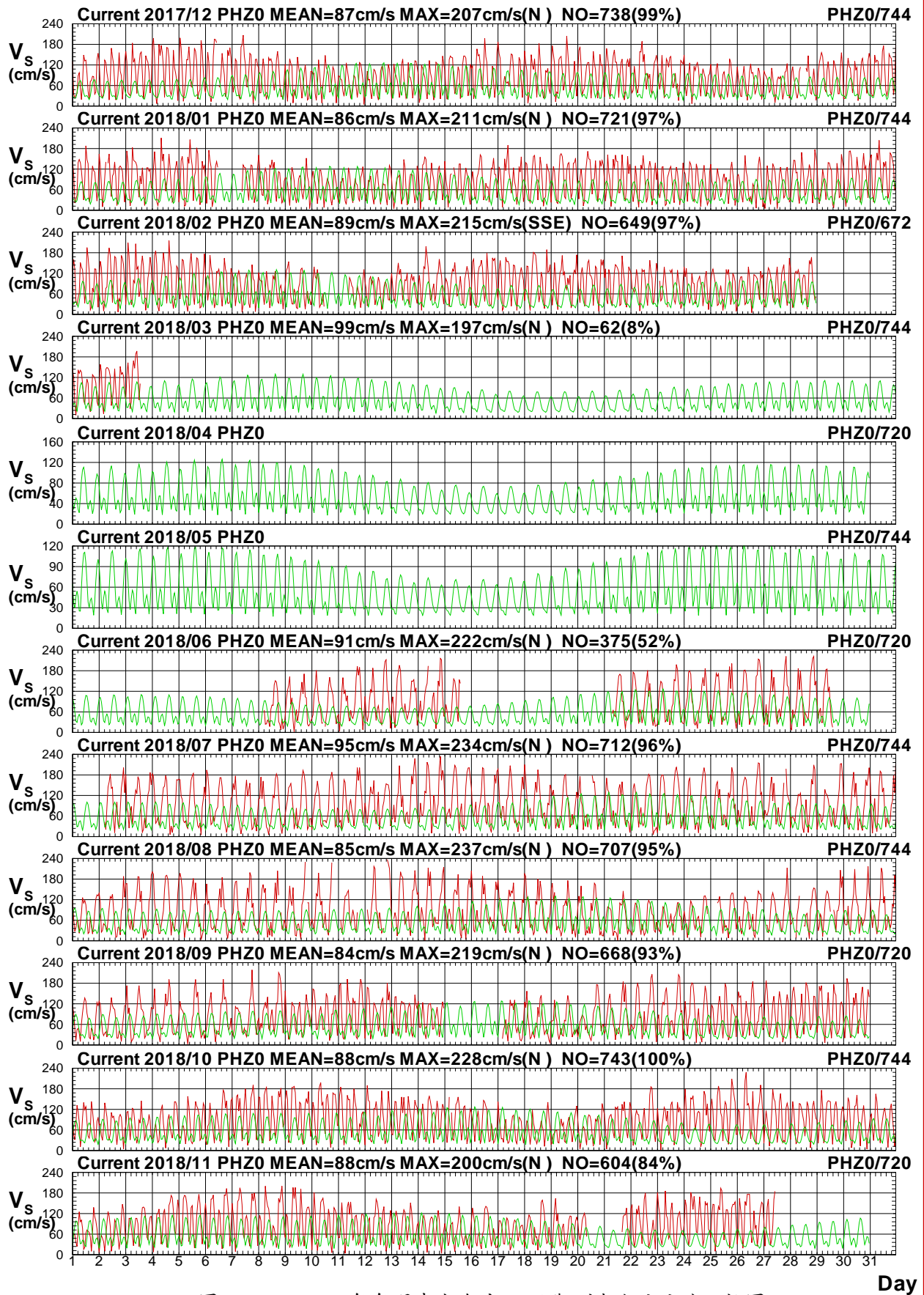


圖4.3.7a 2018年每月澎湖海域 Z 站觀測與潮流流速比較圖

C17CPHZ0.1H0 C17CPHZ0.1HD C181PHZ0.1H0 C181PHZ0.1HD C182PHZ0.1H0 C182PHZ0.1HD
 C183PHZ0.1H0 C183PHZ0.1HD C184PHZ0.1H0 C184PHZ0.1HD C185PHZ0.1H0 C185PHZ0.1HD

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Current Direction in Peng-Hu Harbor of PHZ0 at 2018

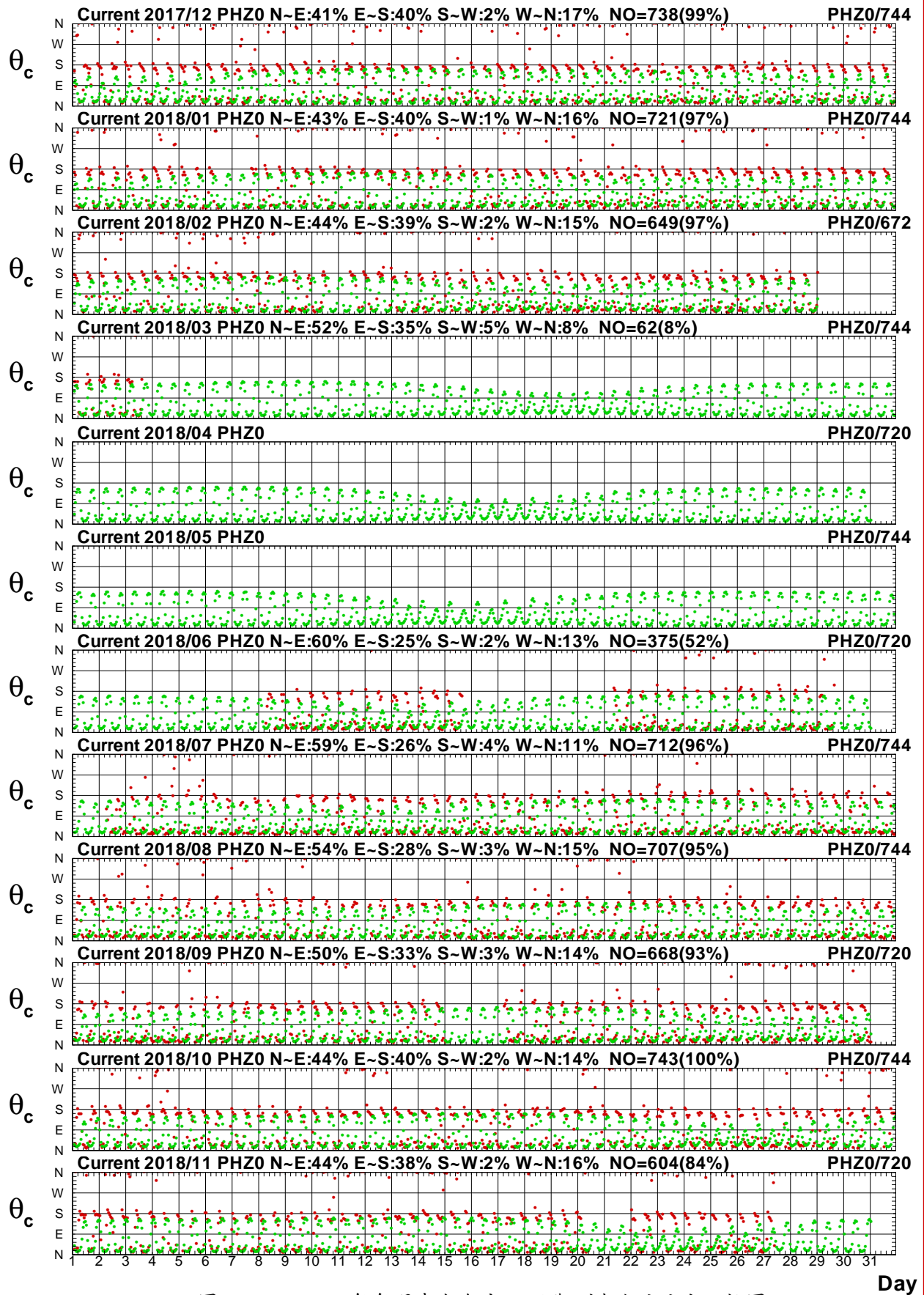


圖4.3.7b 2018年每月澎湖海域 Z 站觀測與潮流流向比較圖

C17CPHZ0.1H0 C17CPHZ0.1HD C181PHZ0.1H0 C181PHZ0.1HD C182PHZ0.1H0 C182PHZ0.1HD
 C183PHZ0.1H0 C183PHZ0.1HD C184PHZ0.1H0 C184PHZ0.1HD C185PHZ0.1H0 C185PHZ0.1HD

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Current Speed in Peng-Hu Harbor of PHZ0 at 2018

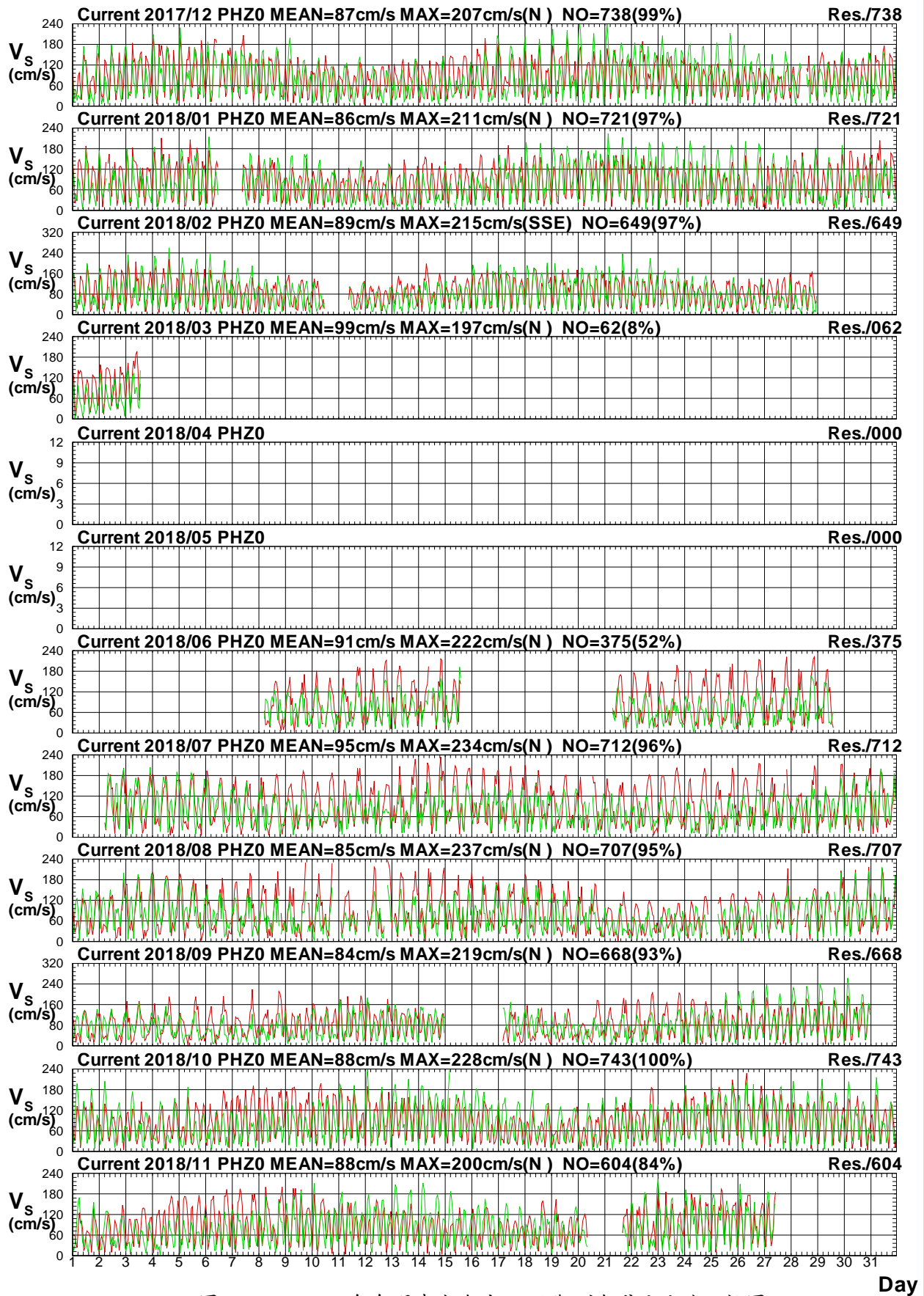


圖4.3.8a 2018年每月澎湖海域 Z 站觀測與殘流流速比較圖

C17CPHZ0.1H0 C17CPHZ0.1HR C181PHZ0.1H0 C181PHZ0.1HR C182PHZ0.1H0 C182PHZ0.1HR
 C183PHZ0.1H0 C183PHZ0.1HR C184PHZ0.1H0 C184PHZ0.1HR C185PHZ0.1H0 C185PHZ0.1HR

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Current Direction in Peng-Hu Harbor of PHZ0 at 2018

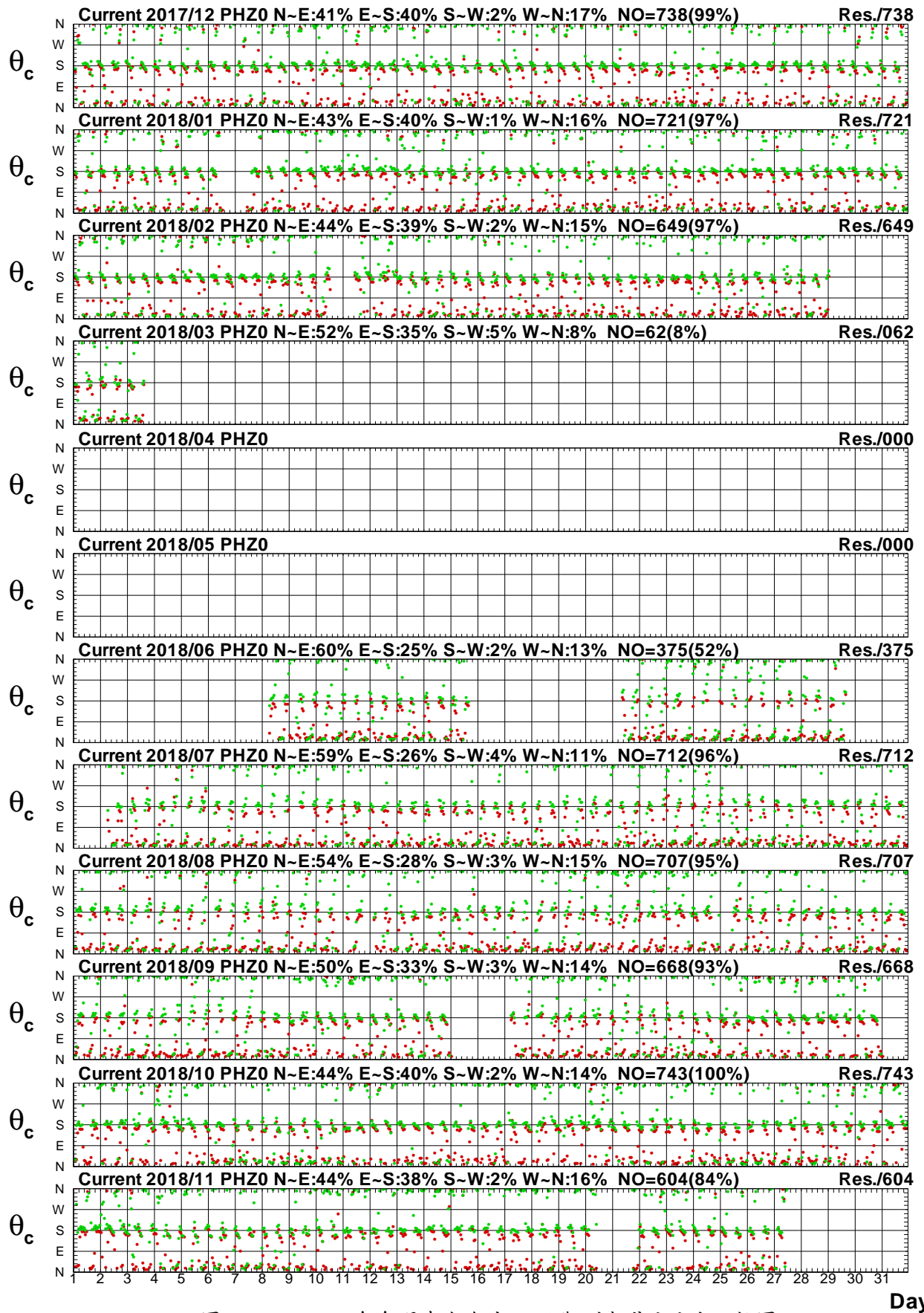


圖4.3.8b 2018年每月澎湖海域Z站觀測與殘流流向比較圖

C17CPHZ0.1H0 C17CPHZ0.1HR C181PHZ0.1H0 C181PHZ0.1HR C182PHZ0.1H0 C182PHZ0.1HR
 C183PHZ0.1H0 C183PHZ0.1HR C184PHZ0.1H0 C184PHZ0.1HR C185PHZ0.1H0 C185PHZ0.1HR

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Current Speed in Peng-Hu Harbor of PHR0 at 2018

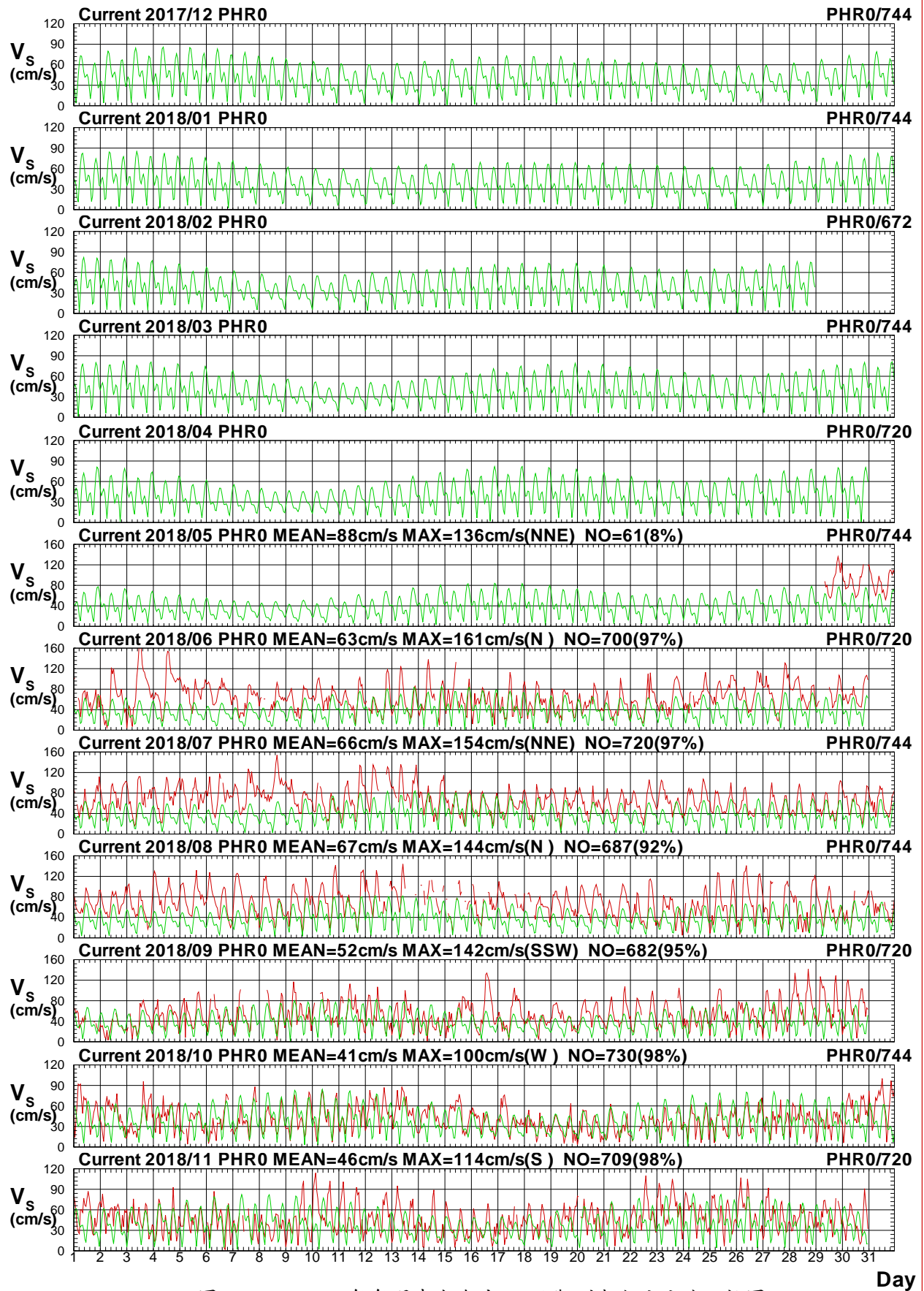


圖4.3.9a 2018年每月澎湖海域 R 站觀測與潮流流速比較圖

C17CPHR0.1H0 C17CPHR0.1HD C181PHR0.1H0 C181PHR0.1HD C182PHR0.1H0 C182PHR0.1HD
 C183PHR0.1H0 C183PHR0.1HD C184PHR0.1H0 C184PHR0.1HD C185PHR0.1H0 C185PHR0.1HD

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Current Direction in Peng-Hu Harbor of PHR0 at 2018

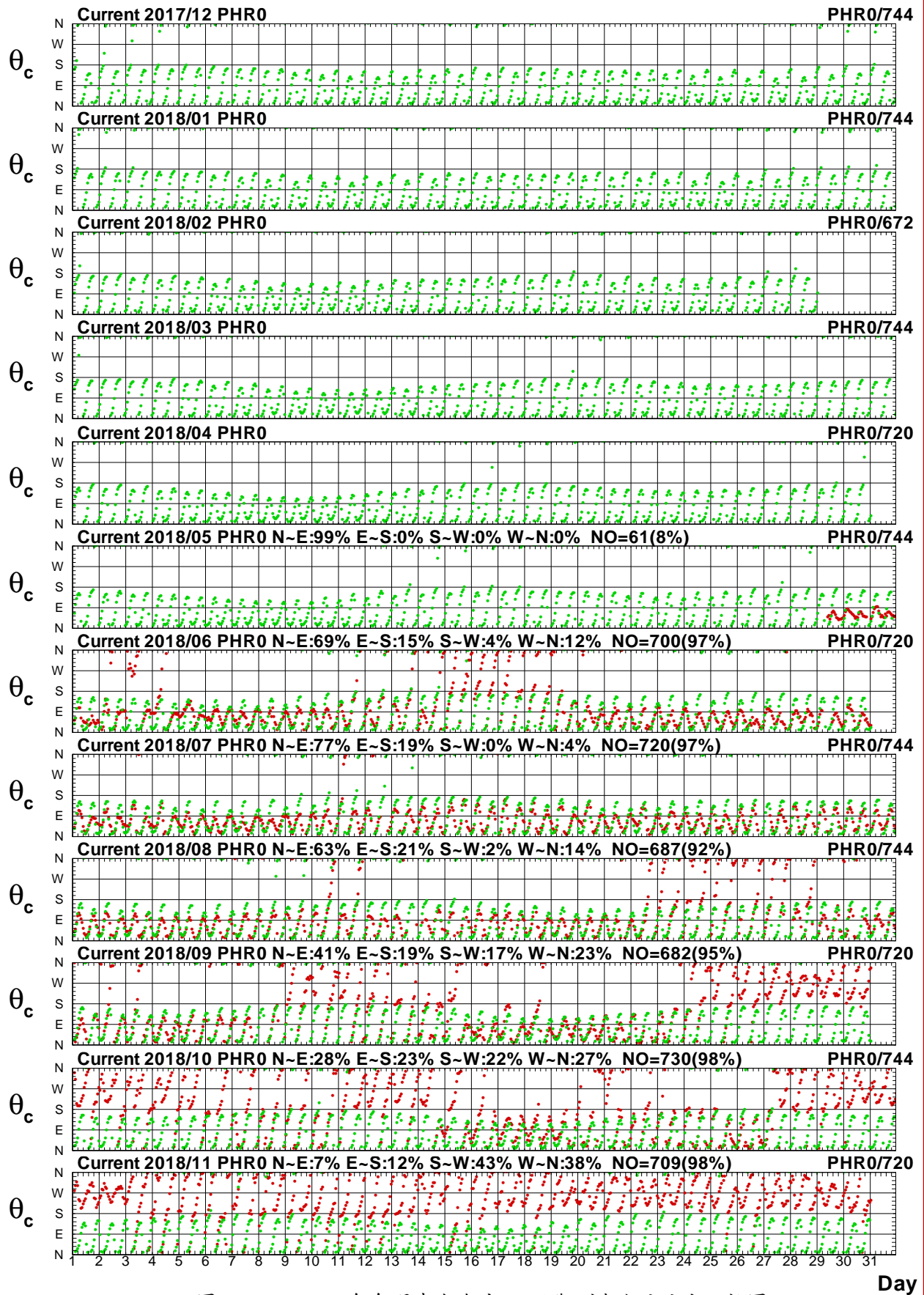


圖4.3.9b 2018年每月澎湖海域 R 站觀測與潮流流向比較圖

C17CPHR0.1H0 C17CPHR0.1HD C181PHR0.1H0 C181PHR0.1HD C182PHR0.1H0 C182PHR0.1HD
 C183PHR0.1H0 C183PHR0.1HD C184PHR0.1H0 C184PHR0.1HD C185PHR0.1H0 C185PHR0.1HD

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Current Speed in Peng-Hu Harbor of PHR0 at 2018

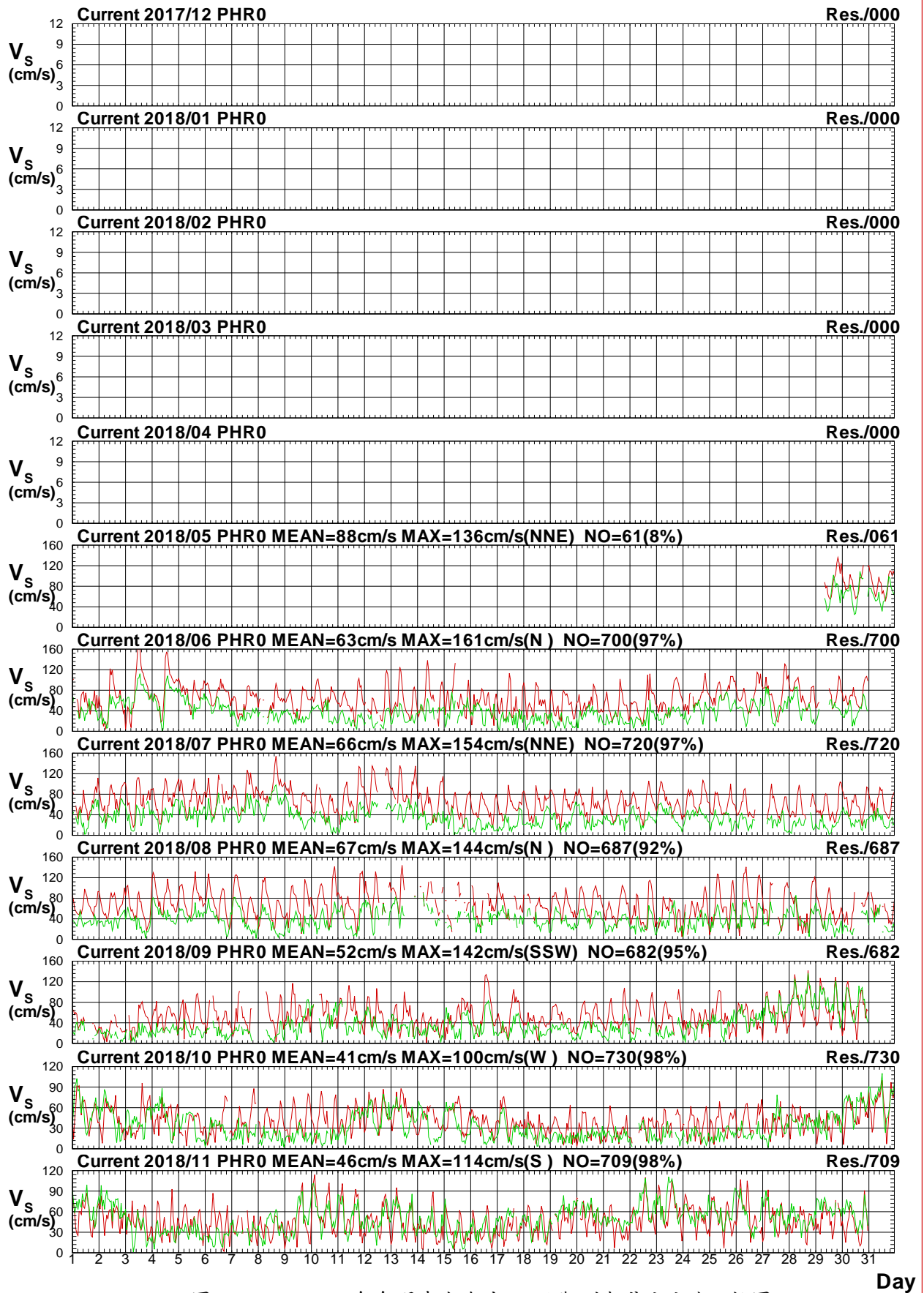


圖4.3.10a 2018年每月澎湖海域 R 站觀測與殘流流速比較圖

C17CPHR0.1H0 C17CPHR0.1HR C181PHR0.1H0 C181PHR0.1HR C182PHR0.1H0 C182PHR0.1HR
 C183PHR0.1H0 C183PHR0.1HR C184PHR0.1H0 C184PHR0.1HR C185PHR0.1H0 C185PHR0.1HR

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Current Direction in Peng-Hu Harbor of PHR0 at 2018

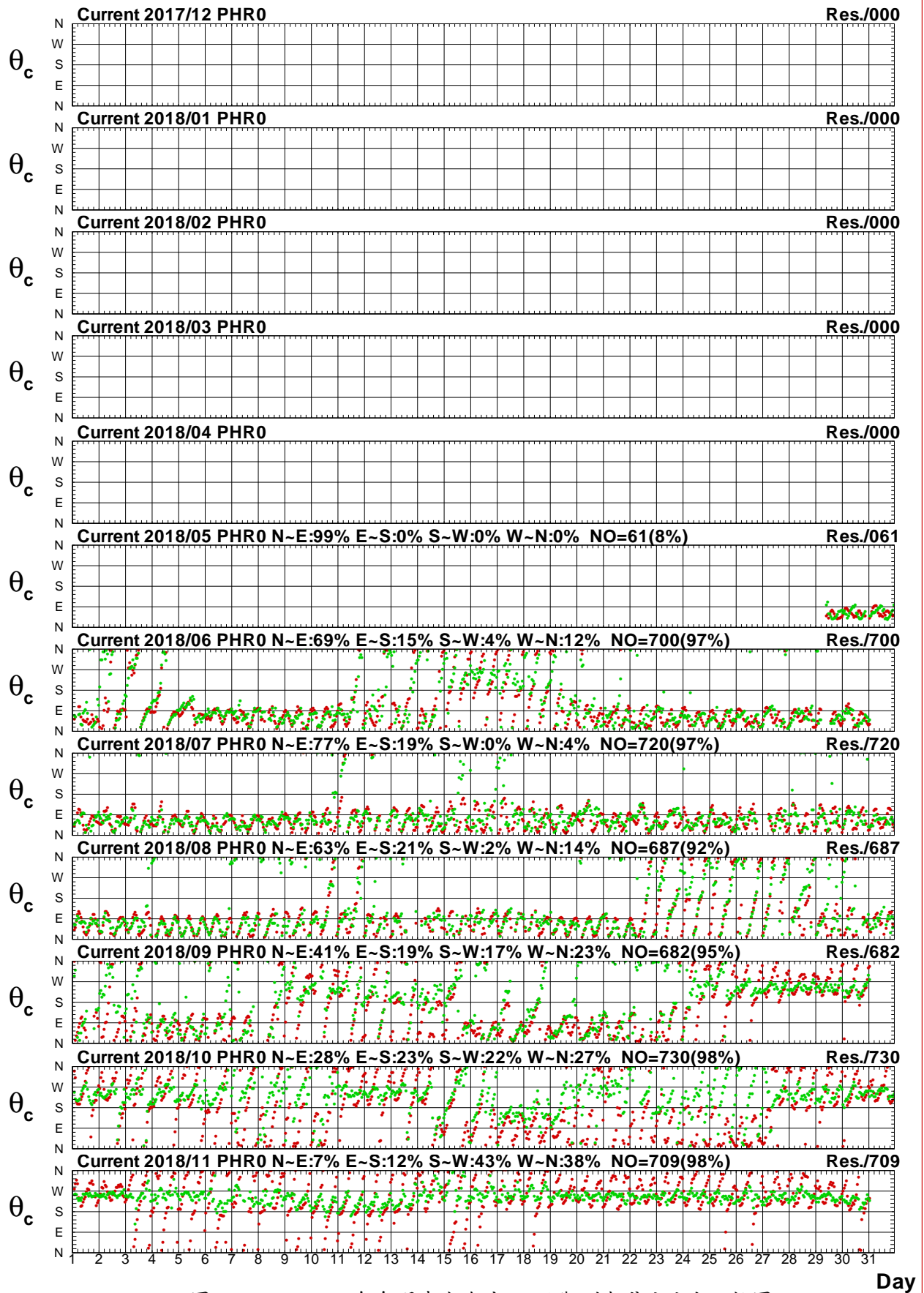


圖4.3.10b 2018年每月澎湖海域 R 站觀測與殘流流向比較圖

C17CPHR0.1H0 C17CPHR0.1HR C181PHR0.1H0 C181PHR0.1HR C182PHR0.1H0 C182PHR0.1HR
 C183PHR0.1H0 C183PHR0.1HR C184PHR0.1H0 C184PHR0.1HR C185PHR0.1H0 C185PHR0.1HR

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4.4 2018 年澎湖海域各測站觀測海流與 計算潮流(殘流)向量分佈圖

Distribution of Current Vectors

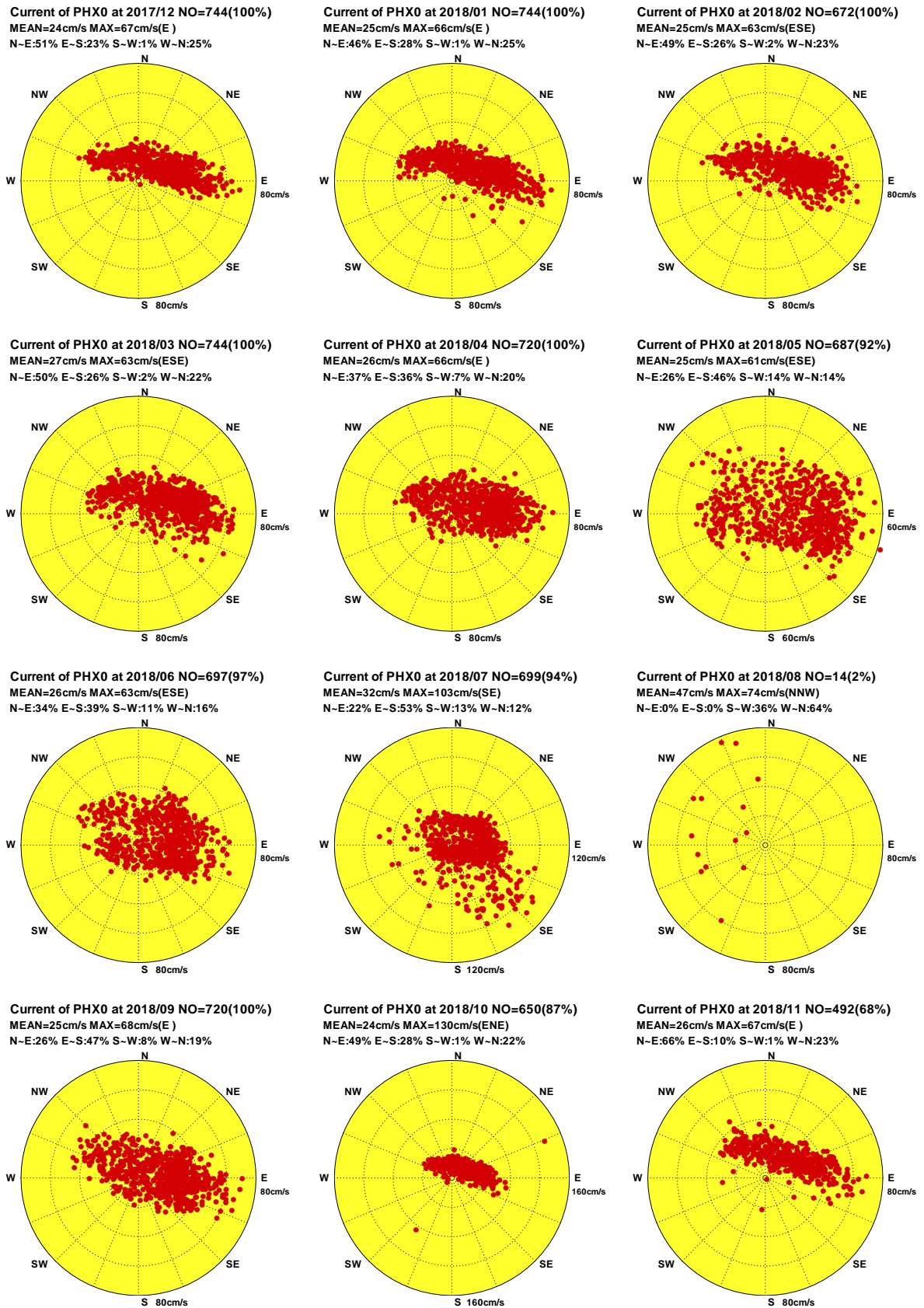


圖4.4.1a 2018年澎湖海域每月測站 X 觀測海流向量分佈圖

C17CPHX0.1HO C181PHX0.1HO C182PHX0.1HO C183PHX0.1HO C184PHX0.1HO C185PHX0.1HO
 C186PHX0.1HO C187PHX0.1HO C188PHX0.1HO C189PHX0.1HO C18APHX0.1HO C18BPHX0.1HO

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Distribution of Current Vectors

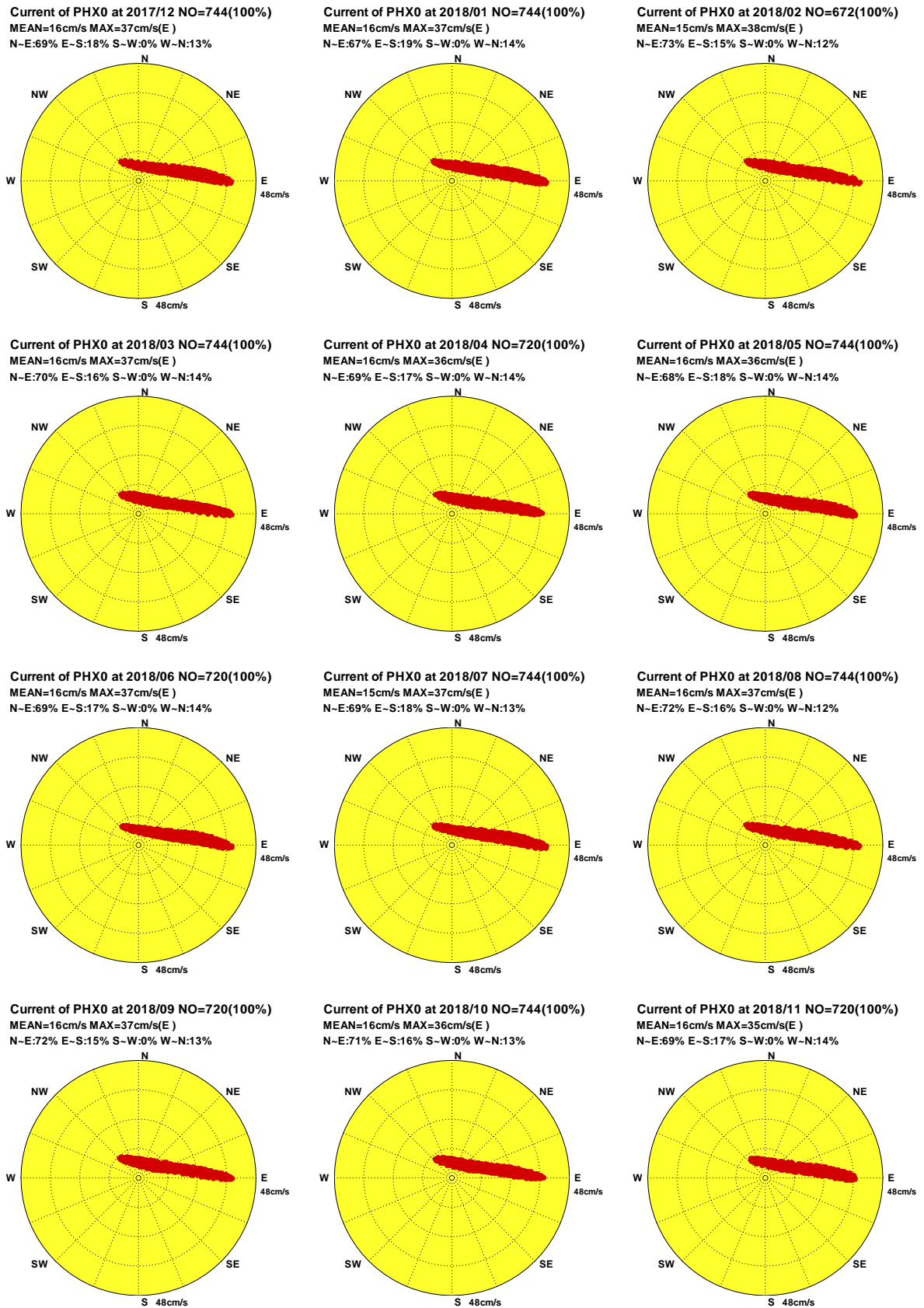


圖4.4.1b 2018年澎湖海域每月測站 X 計算潮流向量分佈圖

C17CPHX0.1HD C181PHX0.1HD C182PHX0.1HD C183PHX0.1HD C184PHX0.1HD C185PHX0.1HD
 C186PHX0.1HD C187PHX0.1HD C188PHX0.1HD C189PHX0.1HD C18APHX0.1HD C18BPHX0.1HD

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Distribution of Current Vectors

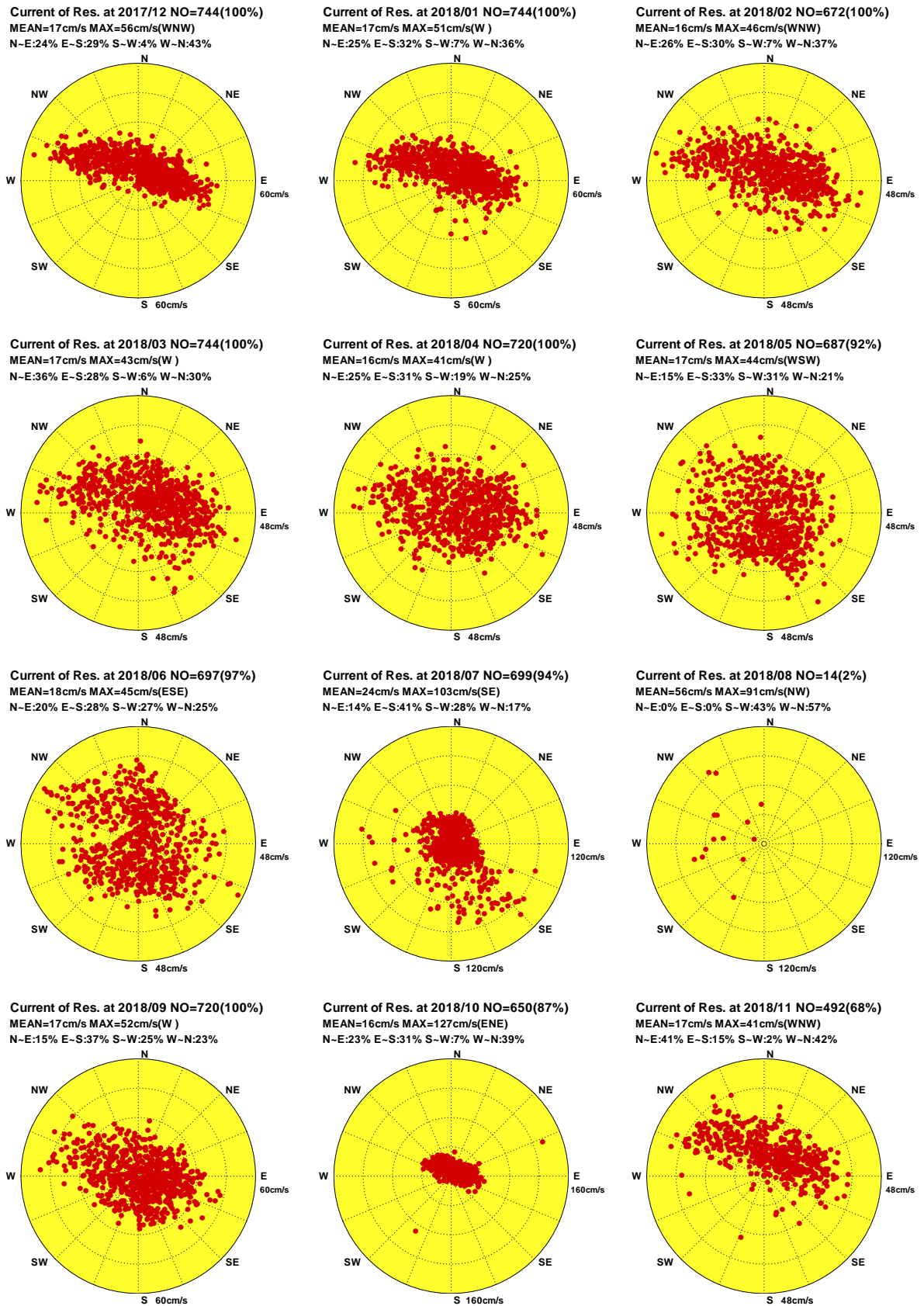


圖4.4.1c 2018年澎湖海域每月測站 X 計算殘流向量分佈圖

C17CPHX0.1HR C181PHX0.1HR C182PHX0.1HR C183PHX0.1HR C184PHX0.1HR C185PHX0.1HR
C186PHX0.1HR C187PHX0.1HR C188PHX0.1HR C189PHX0.1HR C18APHX0.1HR C18BPHX0.1HR

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Distribution of Current Vectors

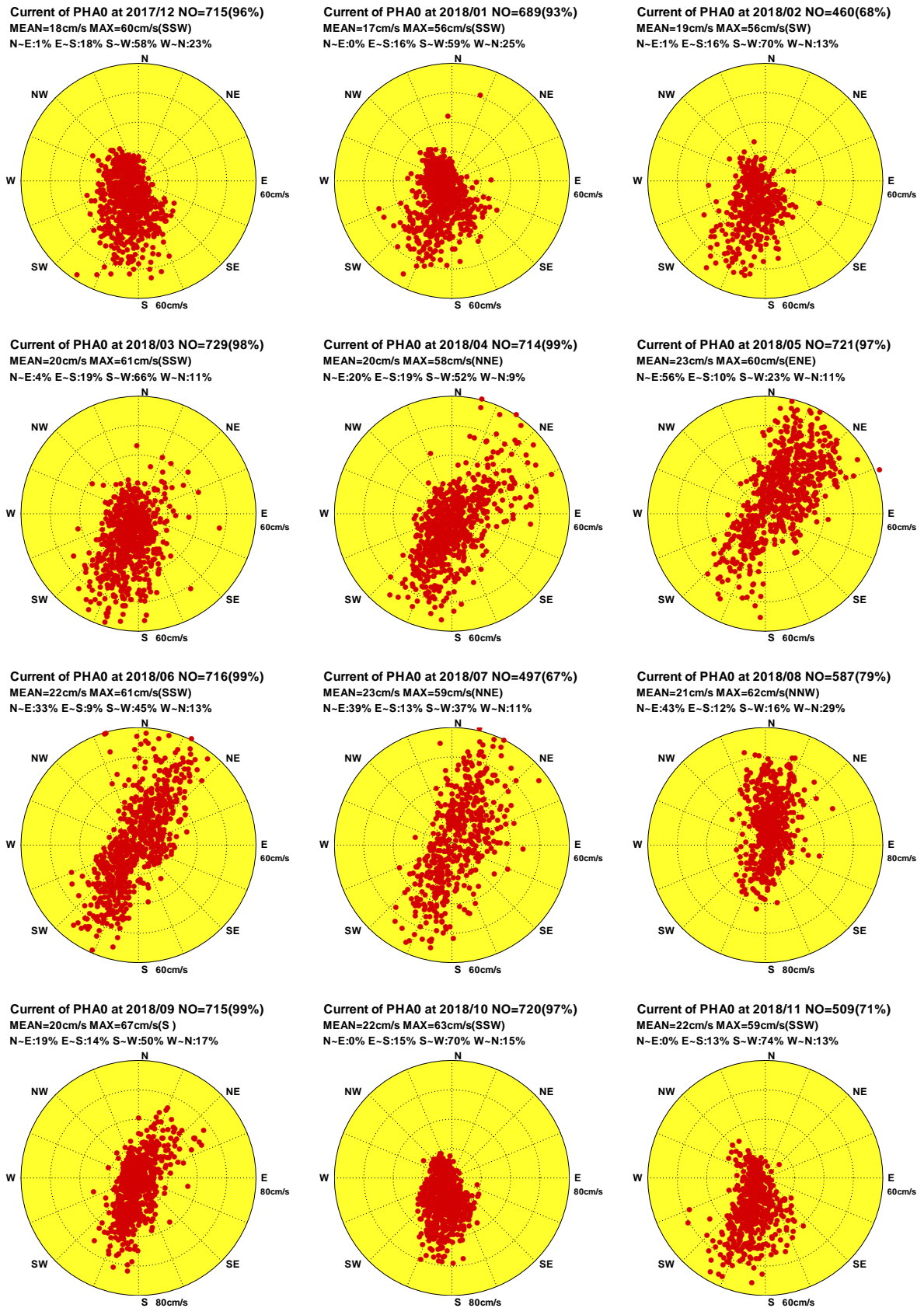


圖4.4.2a 2018年澎湖海域每月測站 A 觀測海流向量分佈圖

C17CPHA0.1H0 C181PHA0.1H0 C182PHA0.1H0 C183PHA0.1H0 C184PHA0.1H0 C185PHA0.1H0
 C186PHA0.1H0 C187PHA0.1H0 C188PHA0.1H0 C189PHA0.1H0 C18APHA0.1H0 C18BPHA0.1H0

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Distribution of Current Vectors

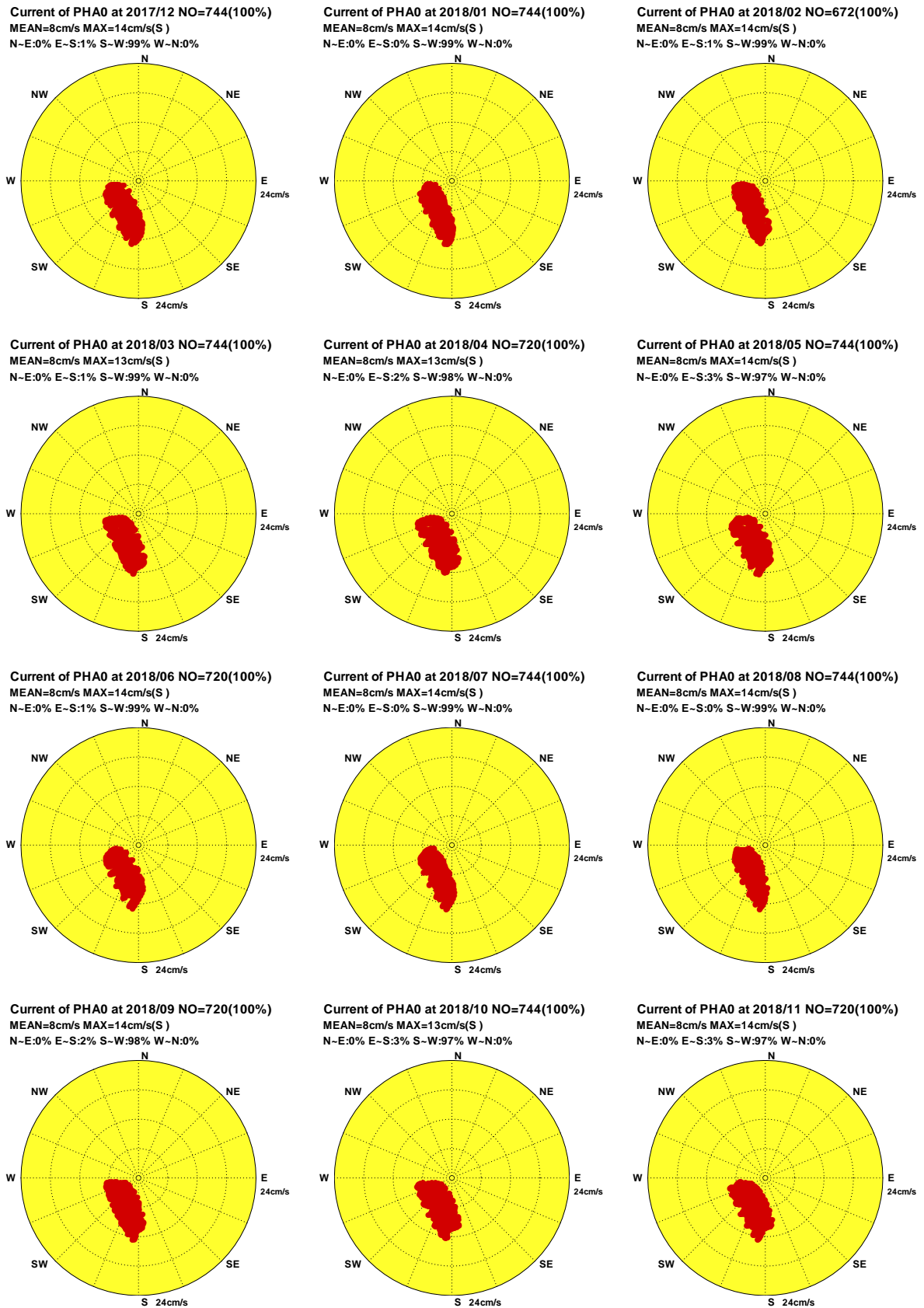


圖4.4.2b 2018年澎湖海域每月測站 A 計算潮流向量分佈圖

C17CPHA0.1HD C181PHA0.1HD C182PHA0.1HD C183PHA0.1HD C184PHA0.1HD C185PHA0.1HD
 C186PHA0.1HD C187PHA0.1HD C188PHA0.1HD C189PHA0.1HD C18APHA0.1HD C18BPHA0.1HD

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Distribution of Current Vectors

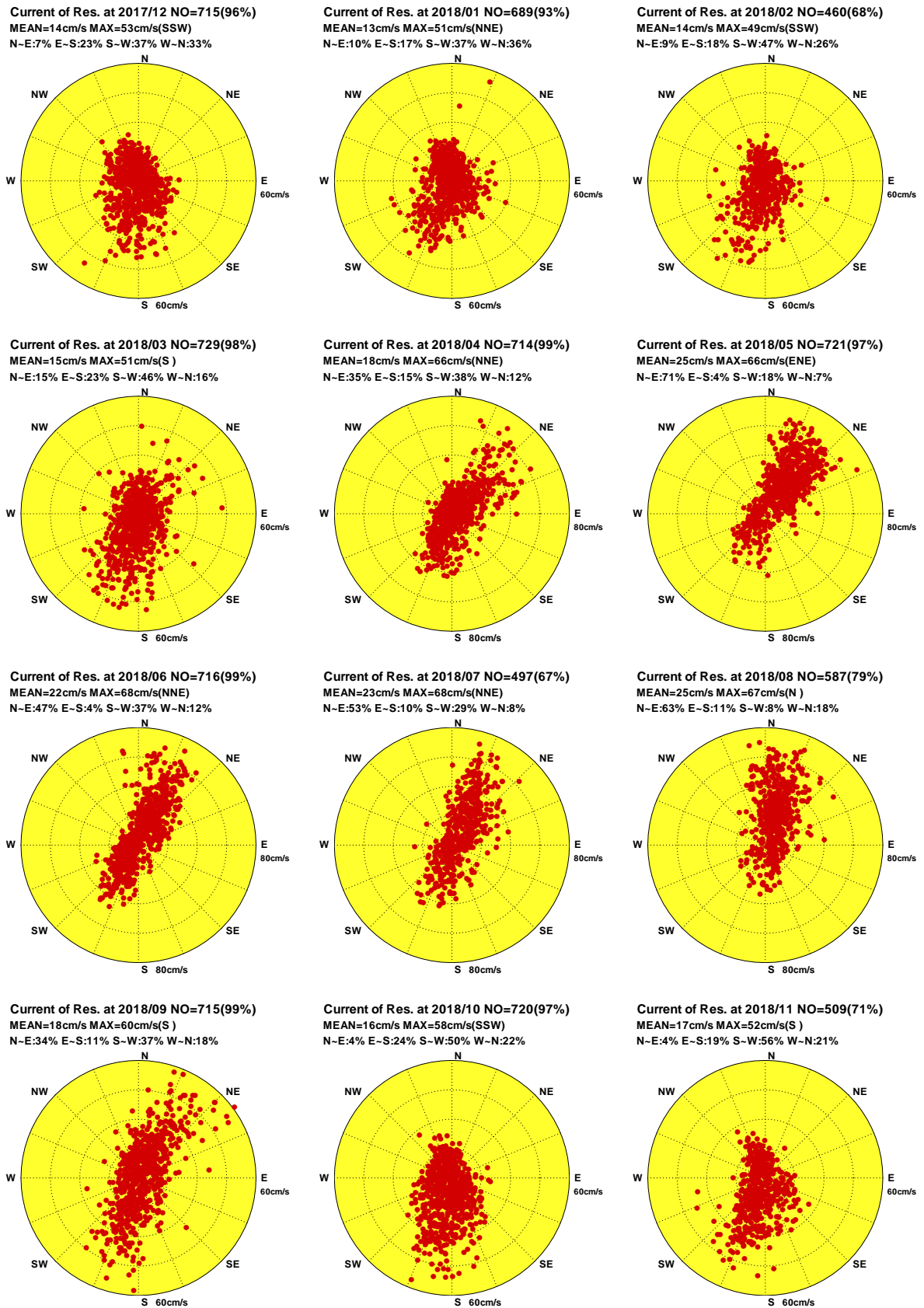


圖4.4.2c 2018年澎湖海域每月測站 A 計算殘流向量分佈圖

C17CPHA0.1HR C181PHA0.1HR C182PHA0.1HR C183PHA0.1HR C184PHA0.1HR C185PHA0.1HR
 C186PHA0.1HR C187PHA0.1HR C188PHA0.1HR C189PHA0.1HR C18APHA0.1HR C18BPHA0.1HR

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Distribution of Current Vectors

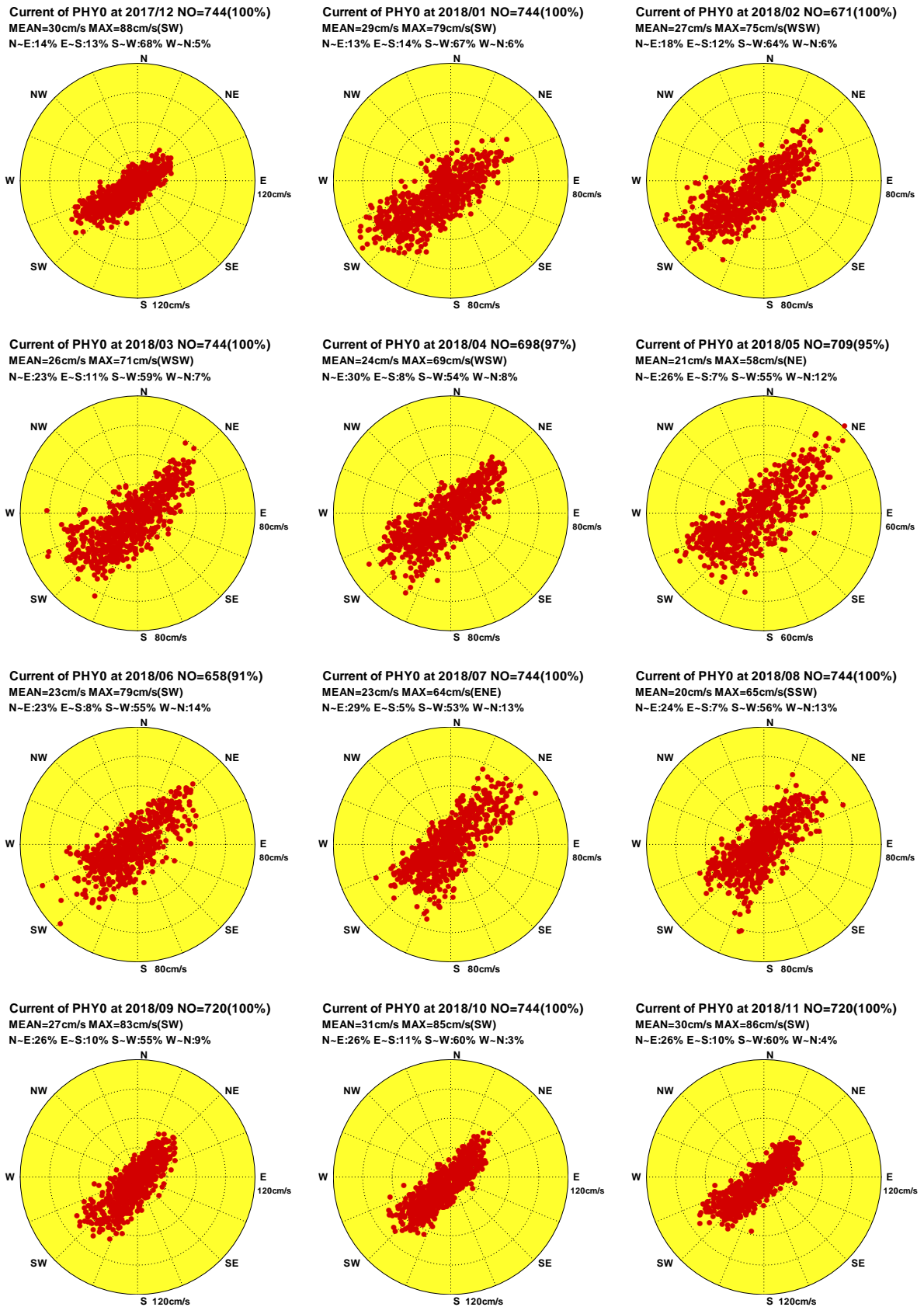


圖4.4.3a 2018年澎湖海域每月測站 Y 觀測海流向量分佈圖

C17CPHY0.1HO C181PHY0.1HO C182PHY0.1HO C183PHY0.1HO C184PHY0.1HO C185PHY0.1HO
C186PHY0.1HO C187PHY0.1HO C188PHY0.1HO C189PHY0.1HO C18APHY0.1HO C18BPHY0.1HO

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Distribution of Current Vectors

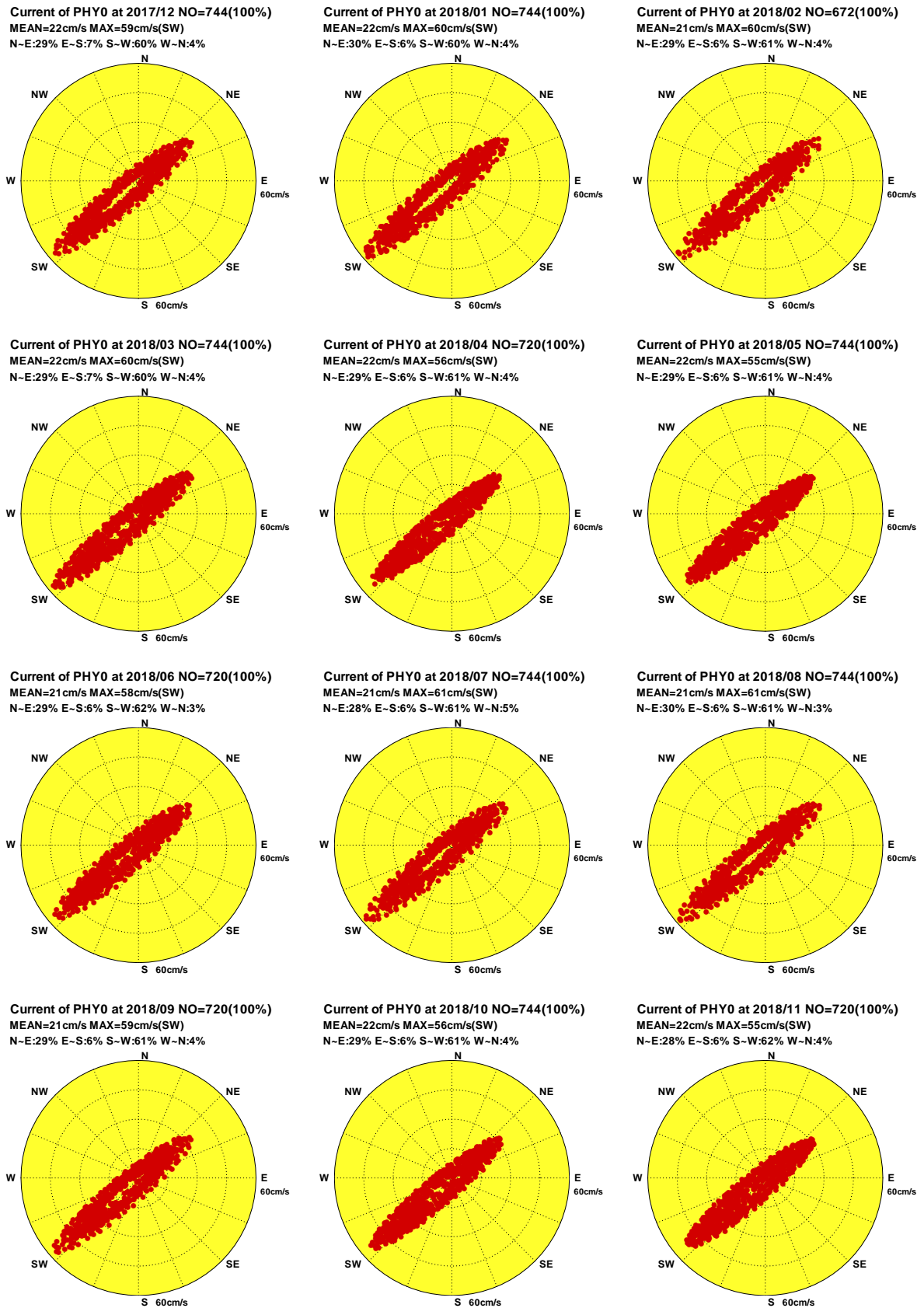


圖4.4.3b 2018年澎湖海域每月測站 Y 計算潮流向量分佈圖

C17CPHY0.1HD C181PHY0.1HD C182PHY0.1HD C183PHY0.1HD C184PHY0.1HD C185PHY0.1HD
 C186PHY0.1HD C187PHY0.1HD C188PHY0.1HD C189PHY0.1HD C18APHY0.1HD C18BPHY0.1HD

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Distribution of Current Vectors

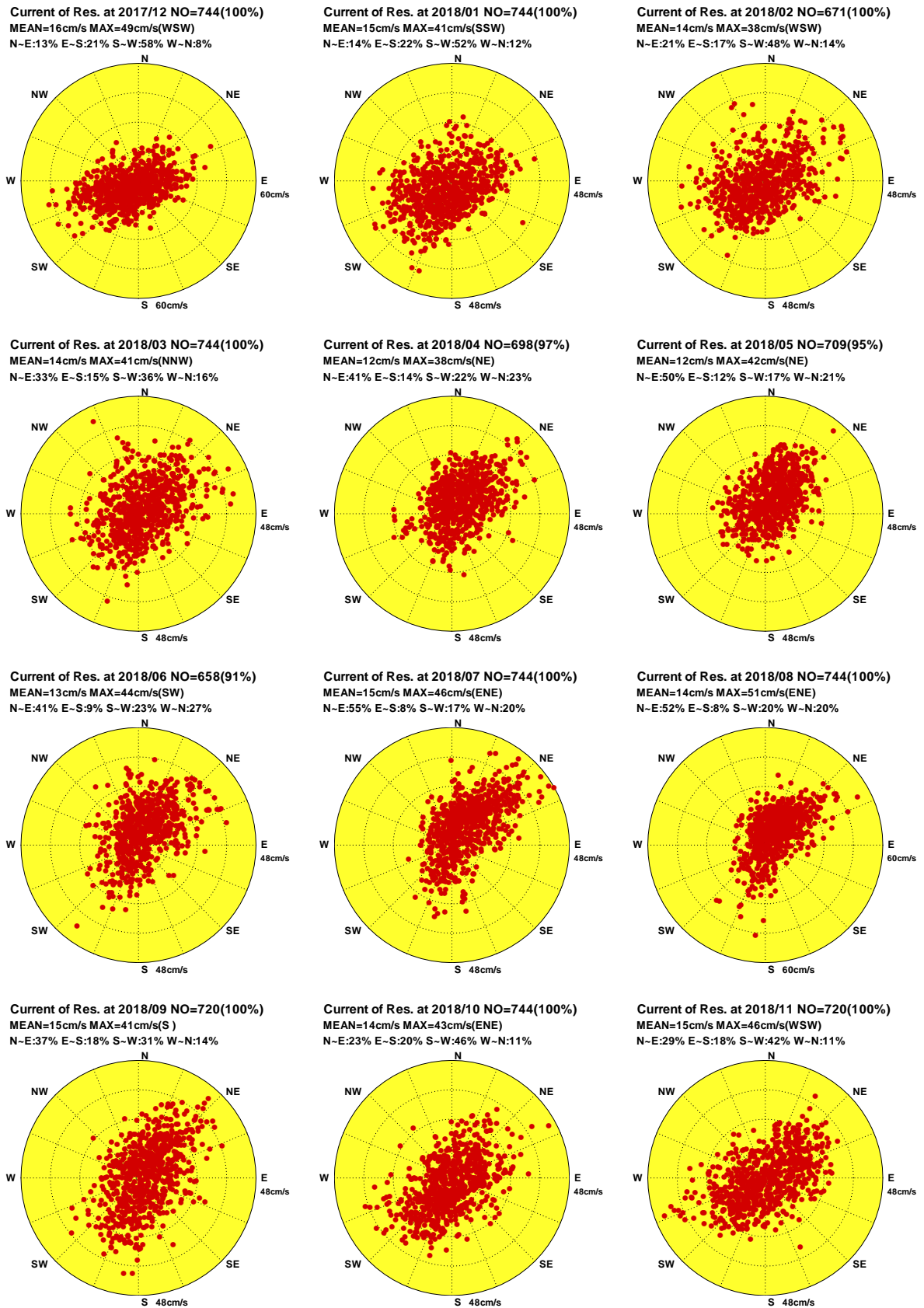


圖4.4.3c 2018年澎湖海域每月測站 Y 計算殘流向量分佈圖

C17CPHY0.1HR C181PHY0.1HR C182PHY0.1HR C183PHY0.1HR C184PHY0.1HR C185PHY0.1HR
C186PHY0.1HR C187PHY0.1HR C188PHY0.1HR C189PHY0.1HR C18APHY0.1HR C18BPHY0.1HR

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Distribution of Current Vectors

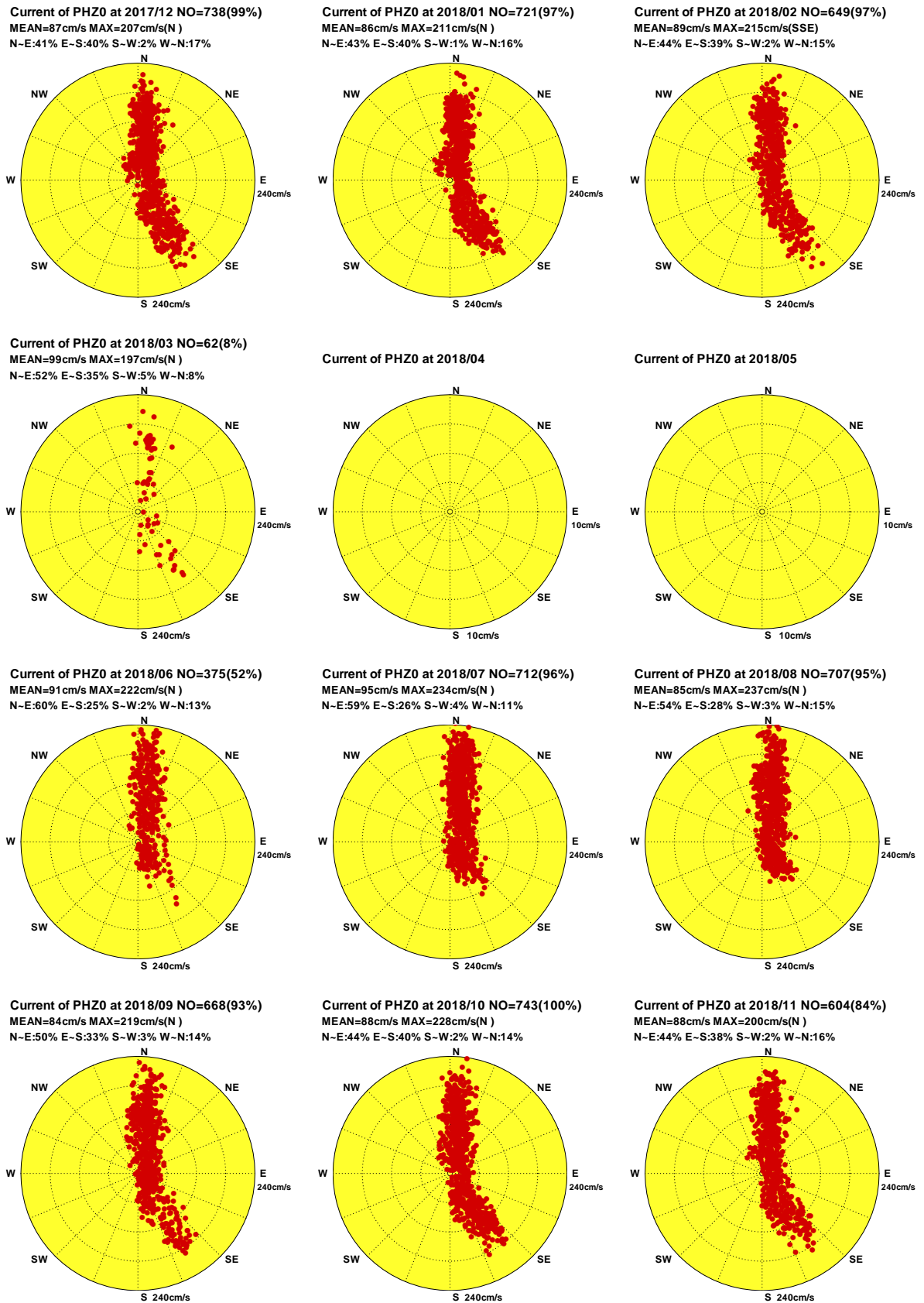


圖4.4.4a 2018年澎湖海域每月測站 Z 觀測海流向量分佈圖

C17CPHZ0.1H0 C181PHZ0.1H0 C182PHZ0.1H0 C183PHZ0.1H0 C184PHZ0.1H0 C185PHZ0.1H0
C186PHZ0.1H0 C187PHZ0.1H0 C188PHZ0.1H0 C189PHZ0.1H0 C18APHZ0.1H0 C18BPHZ0.1H0

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Distribution of Current Vectors

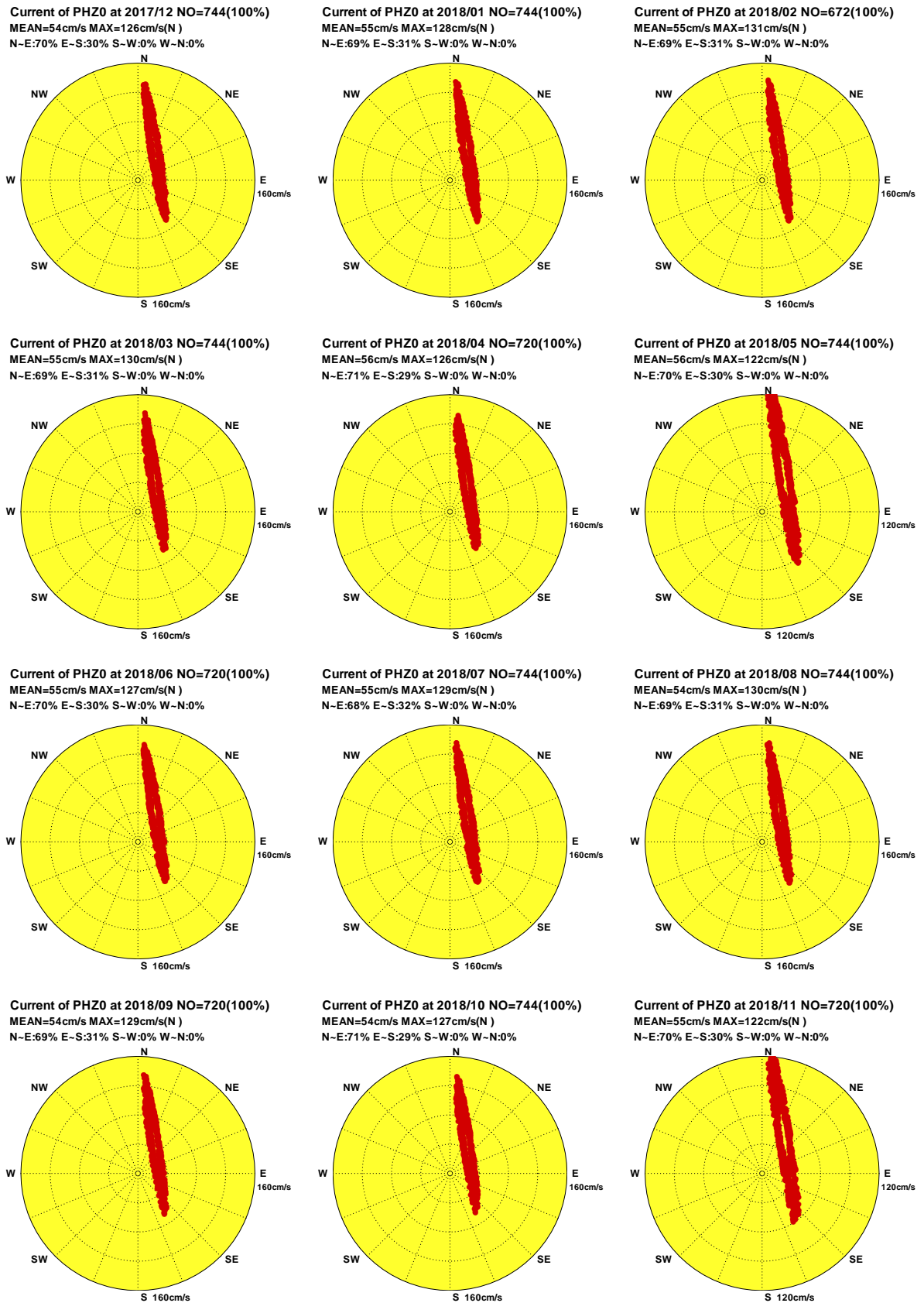


圖4.4.4b 2018年澎湖海域每月測站 Z 計算潮流向量分佈圖

C17CPHZ0.1HD C181PHZ0.1HD C182PHZ0.1HD C183PHZ0.1HD C184PHZ0.1HD C185PHZ0.1HD
 C186PHZ0.1HD C187PHZ0.1HD C188PHZ0.1HD C189PHZ0.1HD C18APHZ0.1HD C18BPHZ0.1HD

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Distribution of Current Vectors

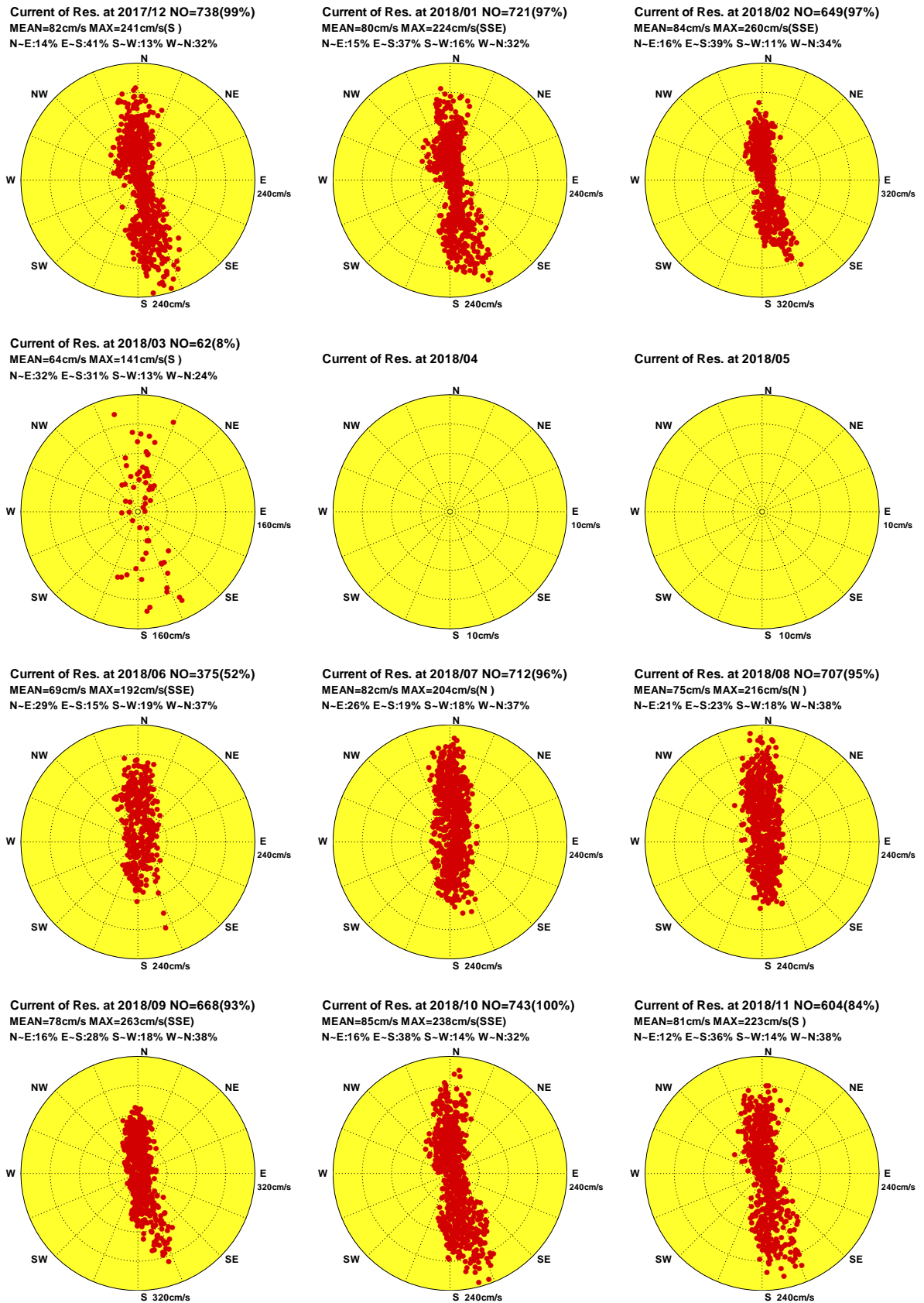


圖4.4.4c 2018年澎湖海域每月測站 Z 計算殘流向量分佈圖

C17CPHZ0.1HR C181PHZ0.1HR C182PHZ0.1HR C183PHZ0.1HR C184PHZ0.1HR C185PHZ0.1HR
 C186PHZ0.1HR C187PHZ0.1HR C188PHZ0.1HR C189PHZ0.1HR C18APHZ0.1HR C18BPHZ0.1HR

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Distribution of Current Vectors

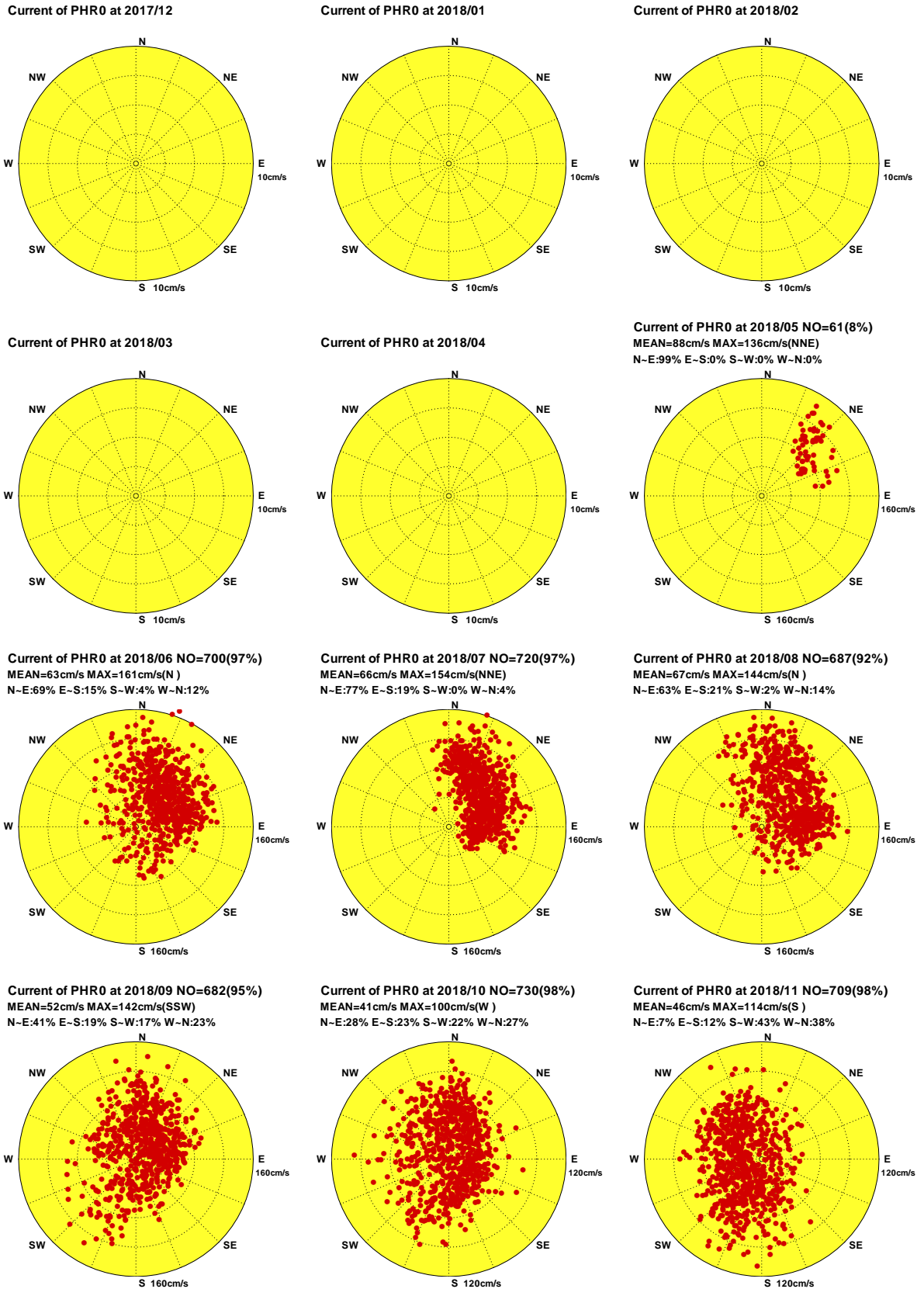


圖4.4.5a 2018年澎湖海域每月測站 R 觀測海流向量分佈圖

C17CPHR0.1H0 C181PHR0.1H0 C182PHR0.1H0 C183PHR0.1H0 C184PHR0.1H0 C185PHR0.1H0
 C186PHR0.1H0 C187PHR0.1H0 C188PHR0.1H0 C189PHR0.1H0 C18APHR0.1H0 C18BPHR0.1H0

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Distribution of Current Vectors

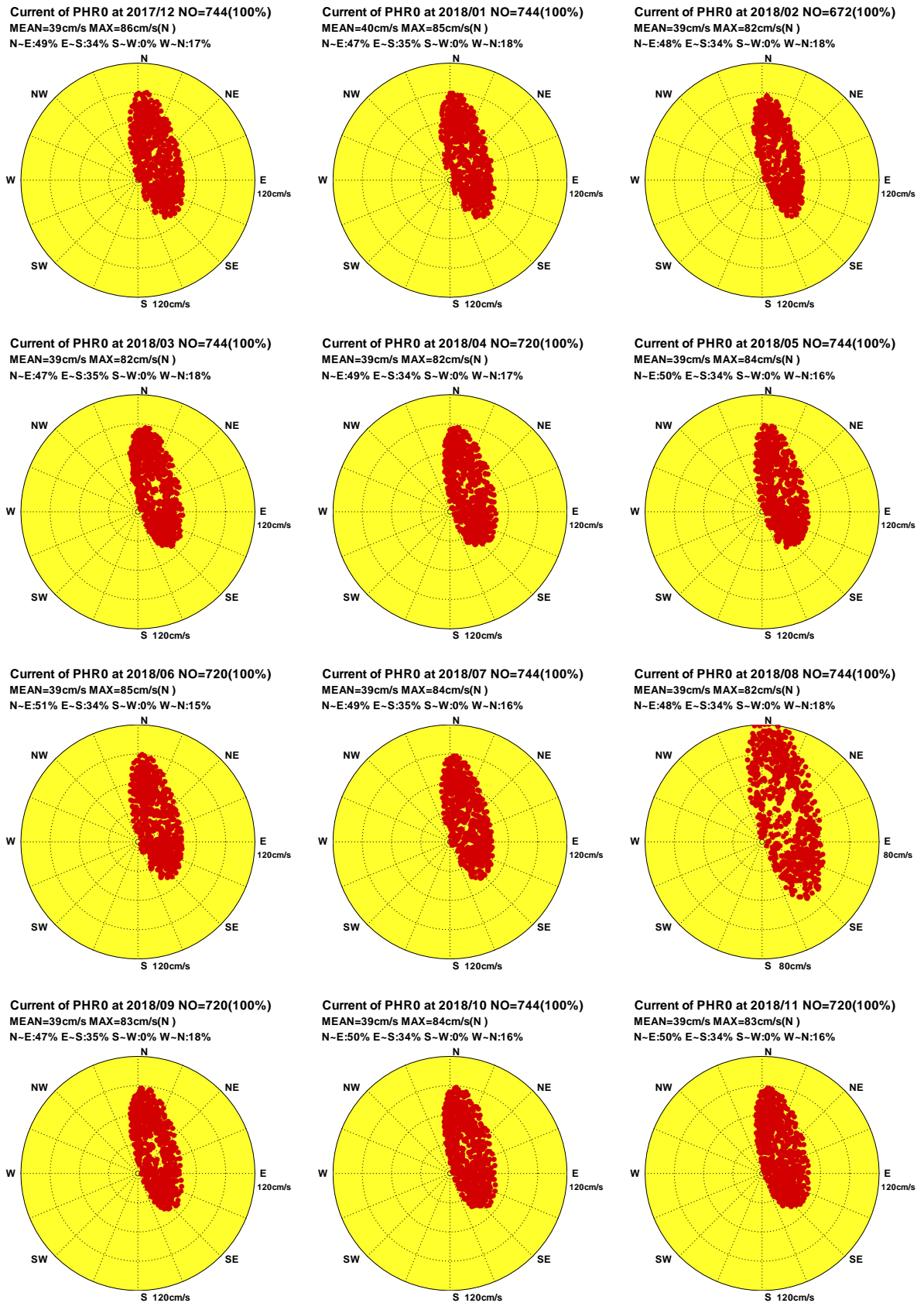


圖4.4.5b 2018年澎湖海域每月測站 R 計算潮流向量分佈圖

C17CPHR0.1HD C181PHR0.1HD C182PHR0.1HD C183PHR0.1HD C184PHR0.1HD C185PHR0.1HD
 C186PHR0.1HD C187PHR0.1HD C188PHR0.1HD C189PHR0.1HD C18APHR0.1HD C18BPHR0.1HD

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Distribution of Current Vectors

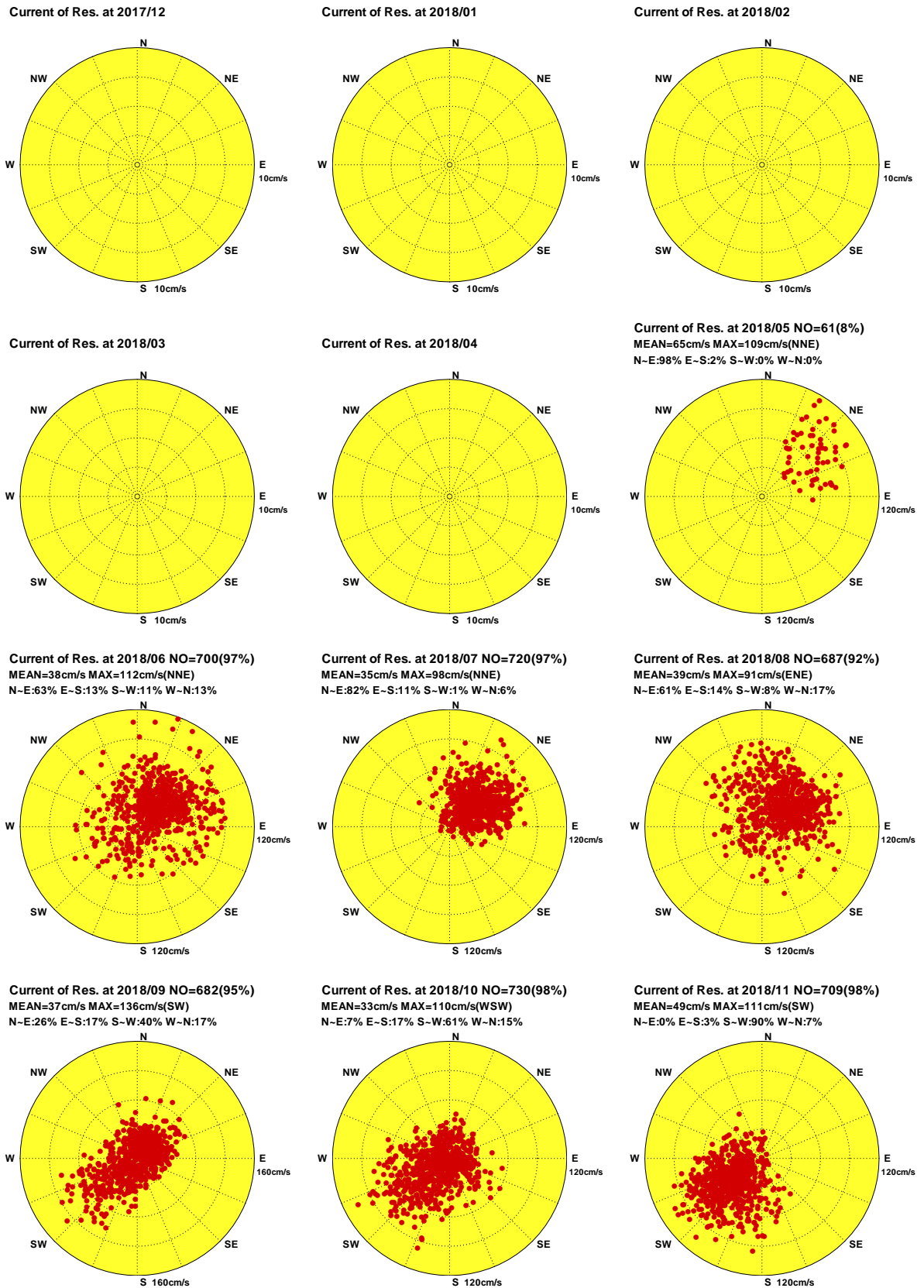


圖4.4.5c 2018年澎湖海域每月測站 R 計算殘流向量分佈圖

C17CPHR0.1HR C181PHR0.1HR C182PHR0.1HR C183PHR0.1HR C184PHR0.1HR C185PHR0.1HR
 C186PHR0.1HR C187PHR0.1HR C188PHR0.1HR C189PHR0.1HR C18APHR0.1HR C18BPHR0.1HR

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4.5 2018 年澎湖海域各測站觀測海流與 計算潮流(殘流)向量行進圖

Progressive Vector Diagram of Current

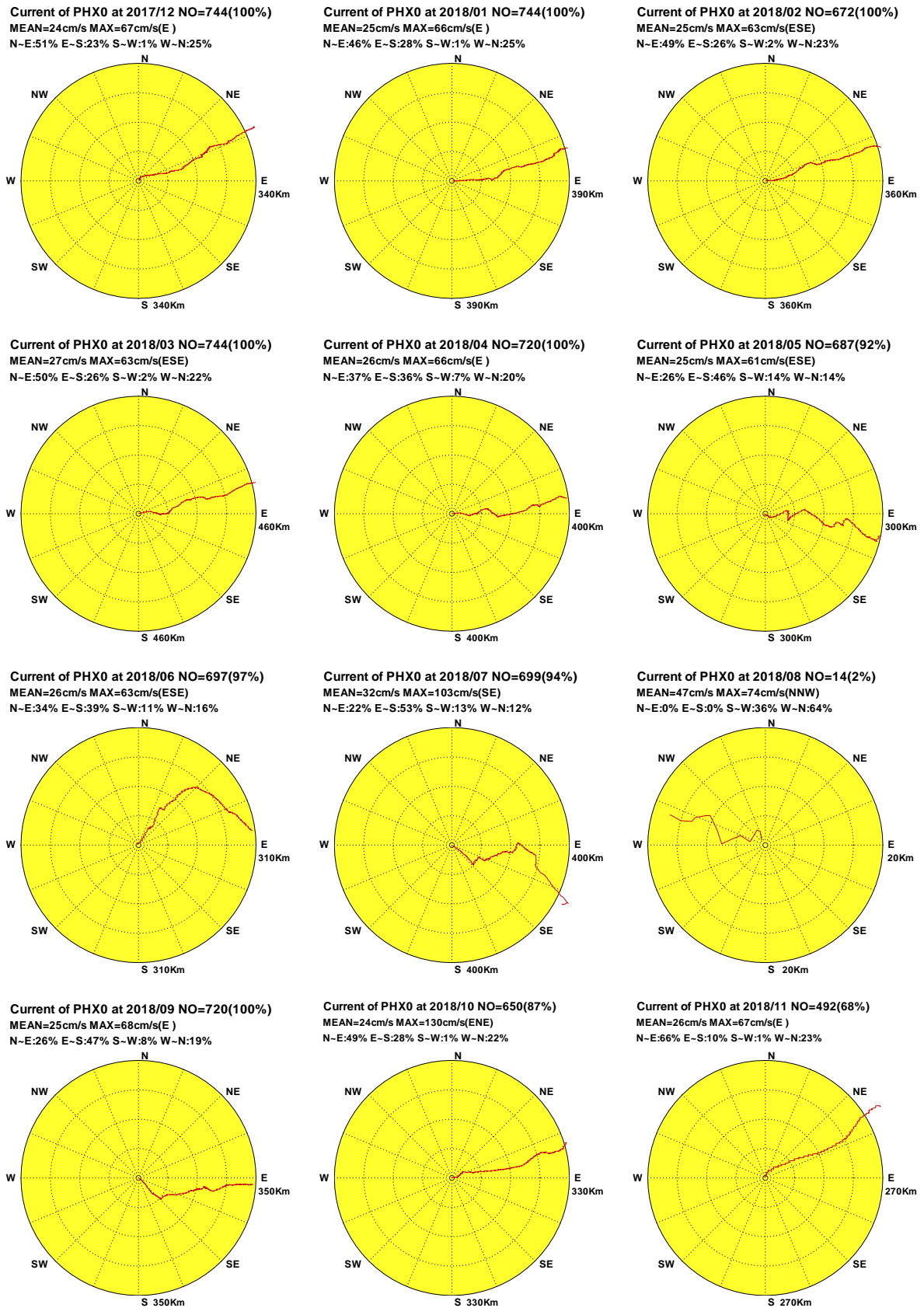


圖4.5.1a 2018年澎湖海域每月測站 X 觀測海流向量行進圖

C17CPHX0.1H0 C181PHX0.1H0 C182PHX0.1H0 C183PHX0.1H0 C184PHX0.1H0 C185PHX0.1H0
C186PHX0.1H0 C187PHX0.1H0 C188PHX0.1H0 C189PHX0.1H0 C18APHX0.1H0 C18BPHX0.1H0

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Progressive Vector Diagram of Current

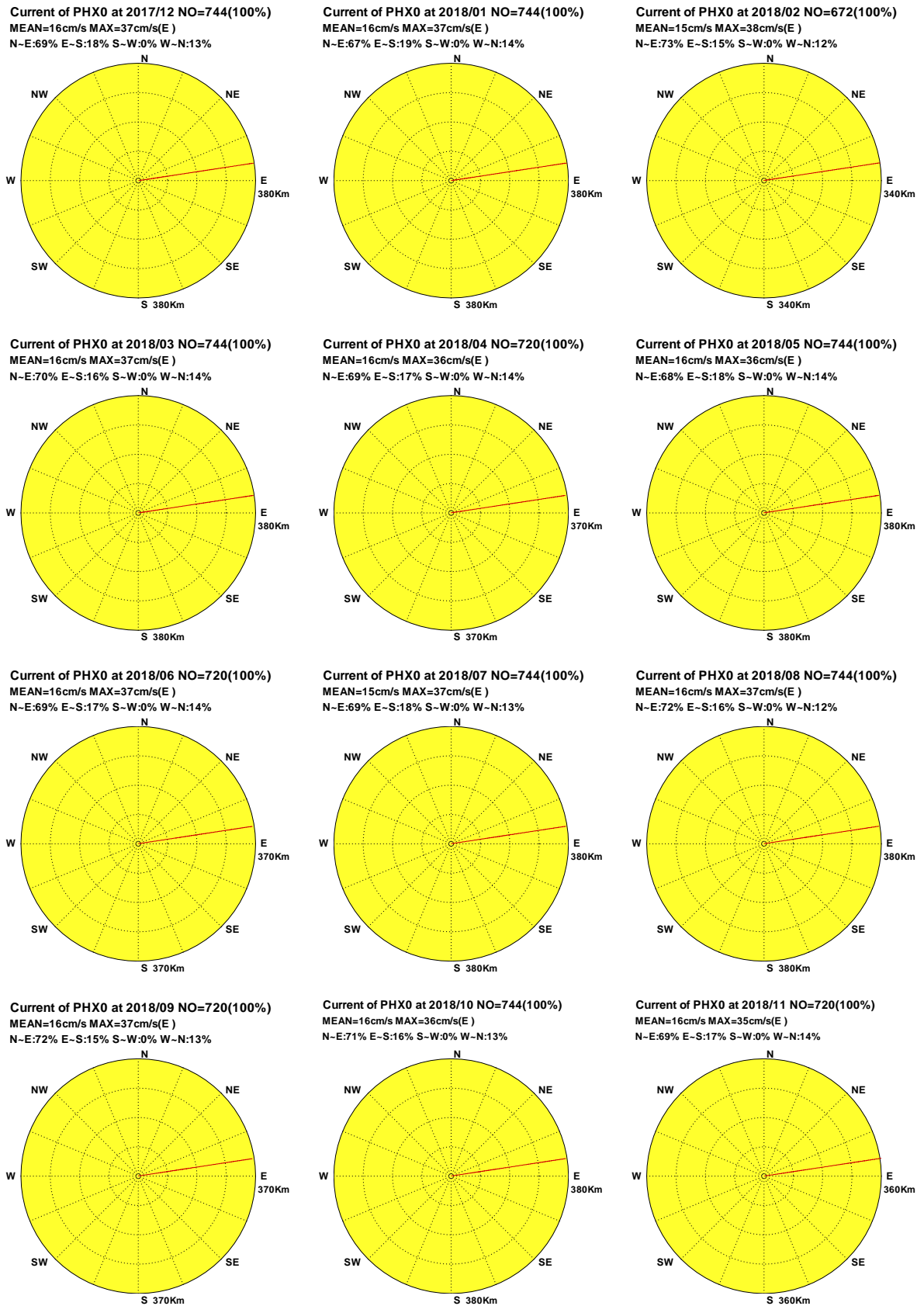


圖4.5.1b 2018年澎湖海域每月測站 X 計算潮流向量行進圖

C17CPHX0.1HD C181PHX0.1HD C182PHX0.1HD C183PHX0.1HD C184PHX0.1HD C185PHX0.1HD
 C186PHX0.1HD C187PHX0.1HD C188PHX0.1HD C189PHX0.1HD C18APHX0.1HD C18BPHX0.1HD

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Progressive Vector Diagram of Current

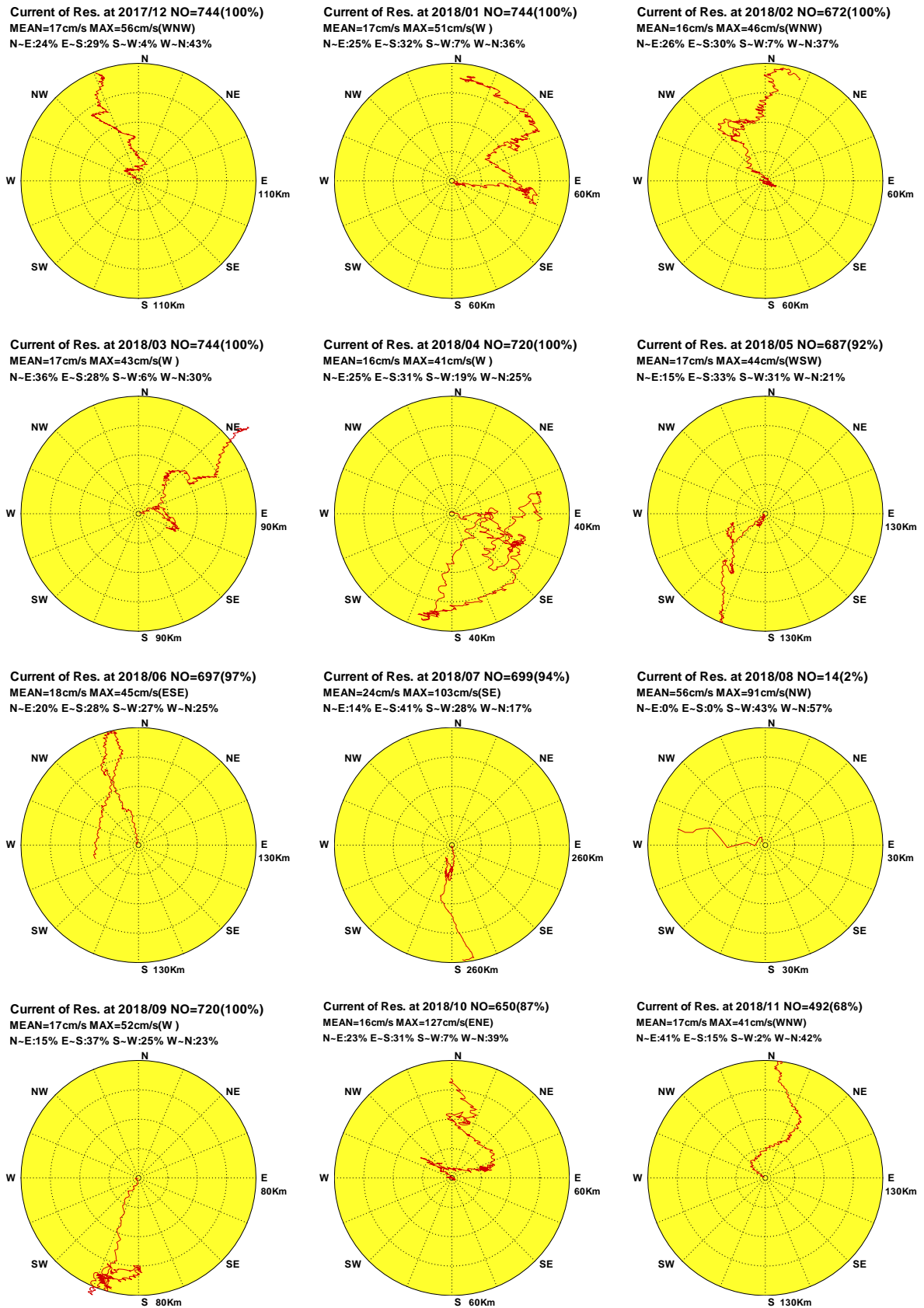


圖4.5.1c 2018年澎湖海域每月測站 X 計算殘流向量行進圖

C17CPHX0.1HR C181PHX0.1HR C182PHX0.1HR C183PHX0.1HR C184PHX0.1HR C185PHX0.1HR
 C186PHX0.1HR C187PHX0.1HR C188PHX0.1HR C189PHX0.1HR C18APHX0.1HR C18BPHX0.1HR

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Progressive Vector Diagram of Current

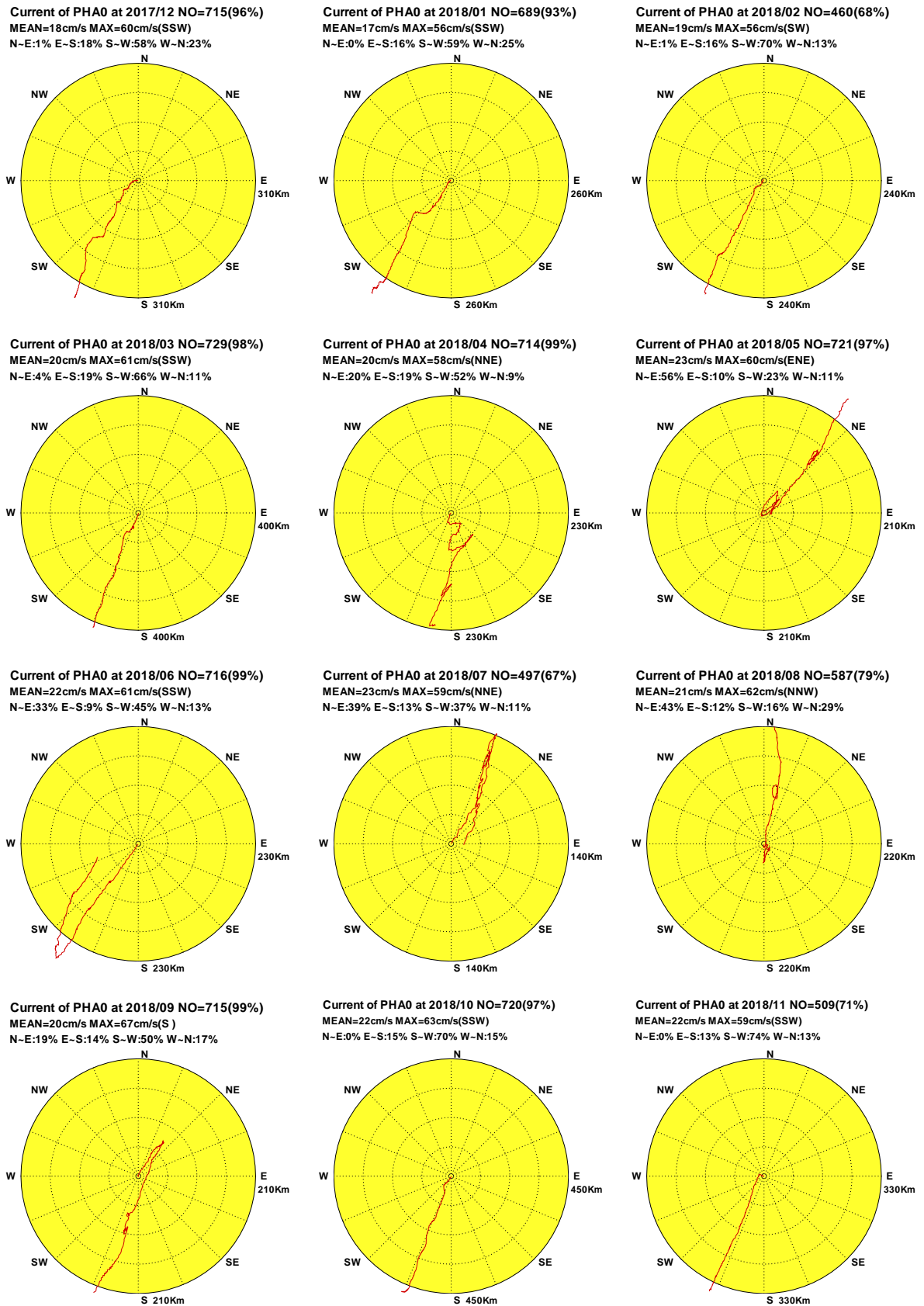


圖4.5.2a 2018年澎湖海域每月測站 A 觀測海流向量行進圖

C17CPHA0.1HO C181PHA0.1HO C182PHA0.1HO C183PHA0.1HO C184PHA0.1HO C185PHA0.1HO
 C186PHA0.1HO C187PHA0.1HO C188PHA0.1HO C189PHA0.1HO C18APHA0.1HO C18BPHA0.1HO

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Progressive Vector Diagram of Current

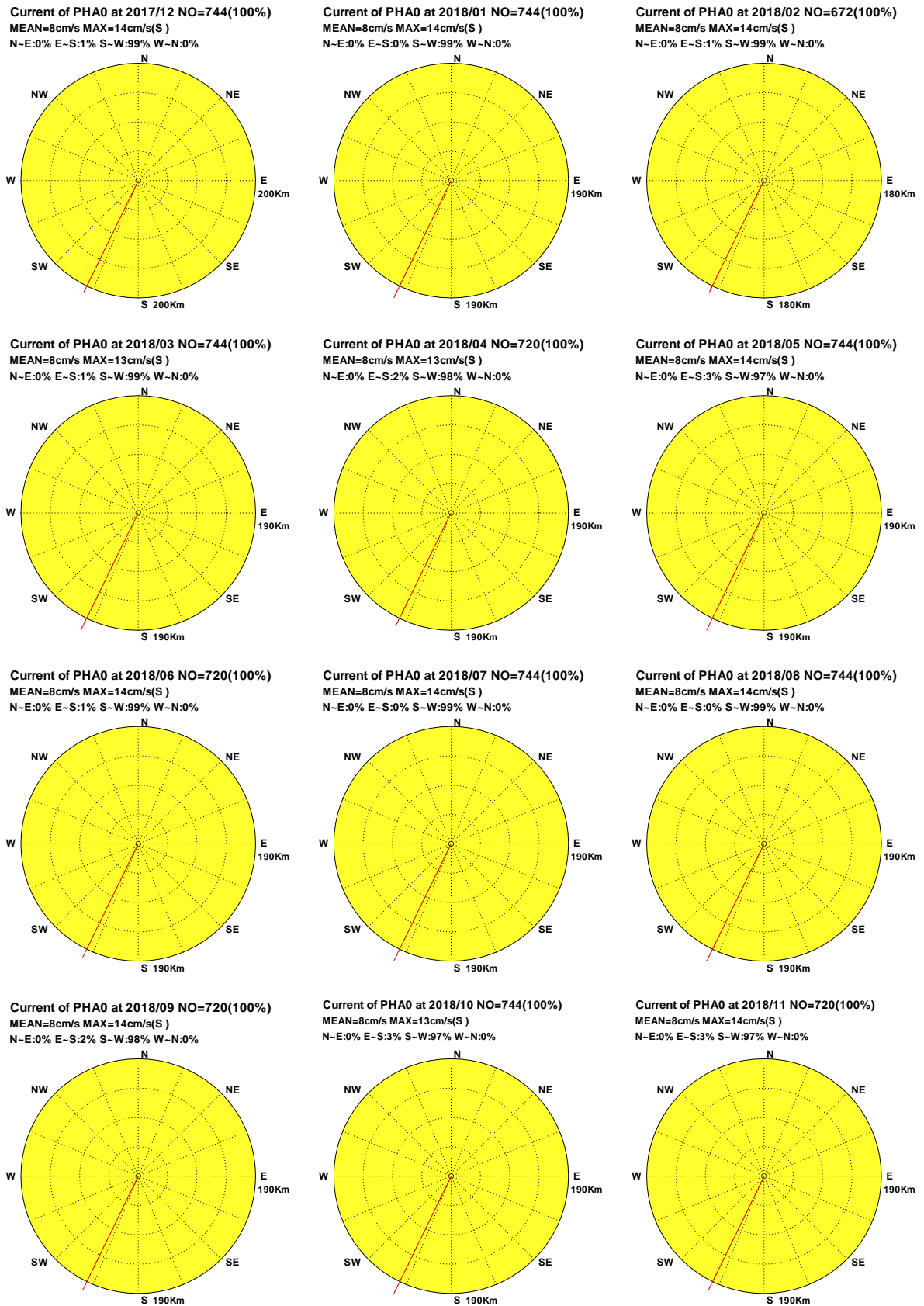


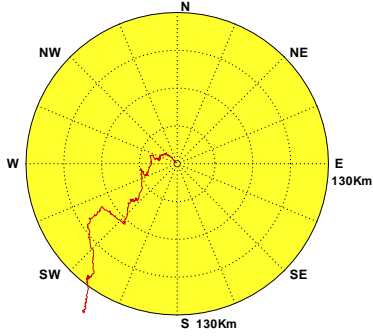
圖4.5.2b 2018年澎湖海域每月測站 A 計算潮流向量行進圖

C17CPHA0.1HD C181PHA0.1HD C182PHA0.1HD C183PHA0.1HD C184PHA0.1HD C185PHA0.1HD
 C186PHA0.1HD C187PHA0.1HD C188PHA0.1HD C189PHA0.1HD C18APHA0.1HD C18BPHA0.1HD

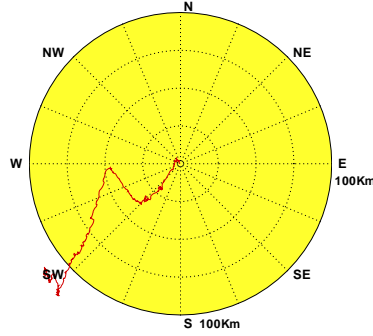
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Progressive Vector Diagram of Current

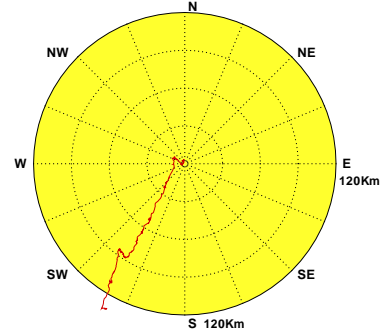
Current of Res. at 2017/12 NO=715(96%)
 MEAN=14cm/s MAX=53cm/s(SSW)
 N-E:7% E-S:23% S-W:37% W-N:33%



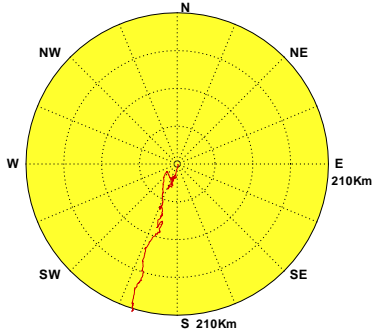
Current of Res. at 2018/01 NO=689(93%)
 MEAN=13cm/s MAX=51cm/s(NNE)
 N-E:10% E-S:17% S-W:37% W-N:36%



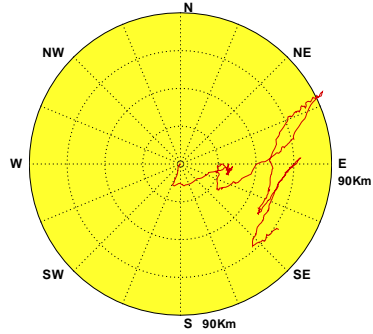
Current of Res. at 2018/02 NO=460(68%)
 MEAN=14cm/s MAX=49cm/s(SSW)
 N-E:9% E-S:18% S-W:47% W-N:26%



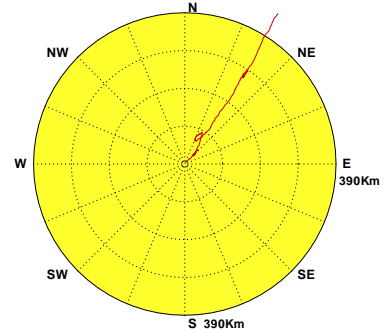
Current of Res. at 2018/03 NO=729(98%)
 MEAN=15cm/s MAX=51cm/s(S)
 N-E:15% E-S:23% S-W:46% W-N:16%



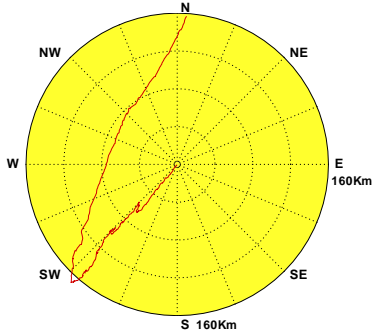
Current of Res. at 2018/04 NO=714(99%)
 MEAN=18cm/s MAX=66cm/s(NNE)
 N-E:35% E-S:15% S-W:38% W-N:12%



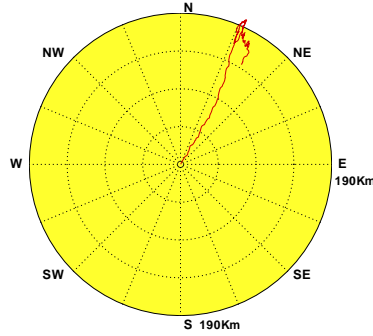
Current of Res. at 2018/05 NO=721(97%)
 MEAN=25cm/s MAX=66cm/s(ENE)
 N-E:71% E-S:4% S-W:18% W-N:7%



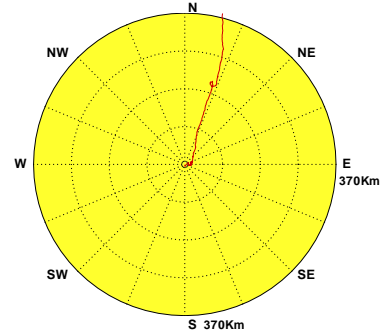
Current of Res. at 2018/06 NO=716(99%)
 MEAN=22cm/s MAX=68cm/s(NNE)
 N-E:47% E-S:4% S-W:37% W-N:12%



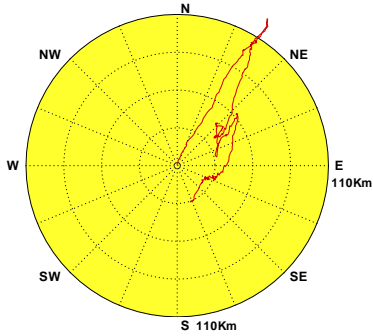
Current of Res. at 2018/07 NO=497(67%)
 MEAN=23cm/s MAX=68cm/s(NNE)
 N-E:53% E-S:10% S-W:29% W-N:8%



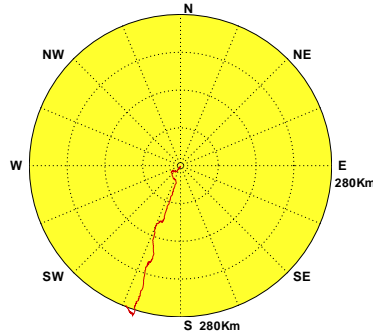
Current of Res. at 2018/08 NO=587(79%)
 MEAN=25cm/s MAX=67cm/s(N)
 N-E:63% E-S:11% S-W:8% W-N:18%



Current of Res. at 2018/09 NO=715(99%)
 MEAN=18cm/s MAX=60cm/s(S)
 N-E:34% E-S:11% S-W:37% W-N:18%



Current of Res. at 2018/10 NO=720(97%)
 MEAN=16cm/s MAX=58cm/s(SSW)
 N-E:4% E-S:24% S-W:50% W-N:22%



Current of Res. at 2018/11 NO=509(71%)
 MEAN=17cm/s MAX=52cm/s(S)
 N-E:4% E-S:19% S-W:56% W-N:21%

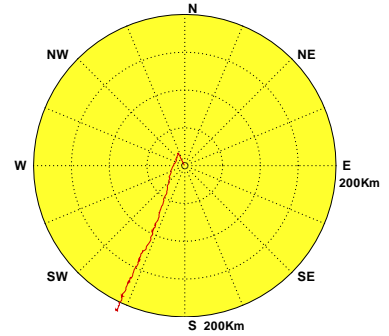


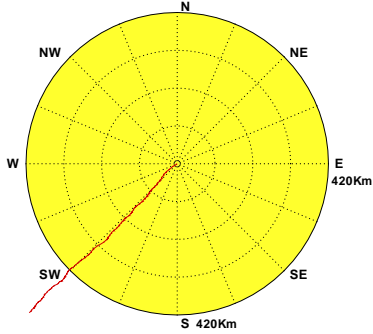
圖4.5.2c 2018年澎湖海域每月測站 A 計算殘流向量行進圖

C17CPHA0.1HR C181PHA0.1HR C182PHA0.1HR C183PHA0.1HR C184PHA0.1HR C185PHA0.1HR
 C186PHA0.1HR C187PHA0.1HR C188PHA0.1HR C189PHA0.1HR C18APHA0.1HR C18BPHA0.1HR

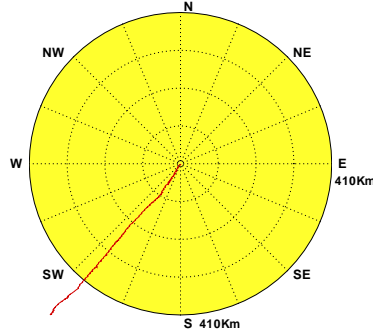
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Progressive Vector Diagram of Current

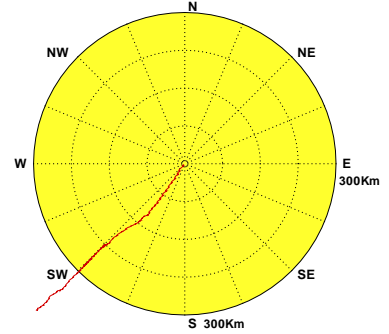
Current of PHY0 at 2017/12 NO=744(100%)
MEAN=30cm/s MAX=88cm/s(SW)
N-E:14% E-S:13% S-W:68% W-N:5%



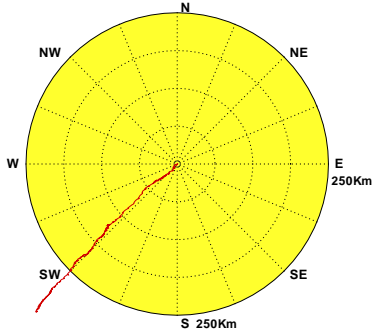
Current of PHY0 at 2018/01 NO=744(100%)
MEAN=29cm/s MAX=79cm/s(SW)
N-E:13% E-S:14% S-W:67% W-N:6%



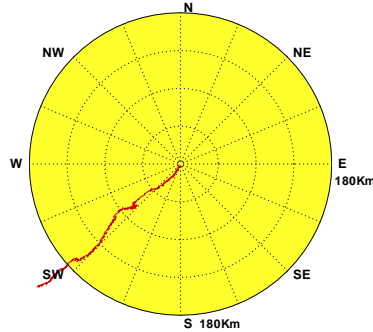
Current of PHY0 at 2018/02 NO=671(100%)
MEAN=27cm/s MAX=75cm/s(WSW)
N-E:18% E-S:12% S-W:64% W-N:6%



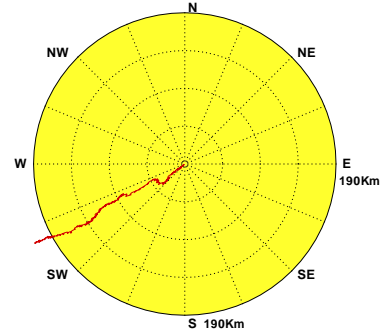
Current of PHY0 at 2018/03 NO=744(100%)
MEAN=26cm/s MAX=71cm/s(WSW)
N-E:23% E-S:11% S-W:59% W-N:7%



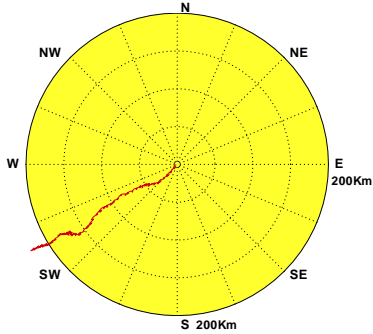
Current of PHY0 at 2018/04 NO=698(97%)
MEAN=24cm/s MAX=69cm/s(WSW)
N-E:30% E-S:8% S-W:54% W-N:8%



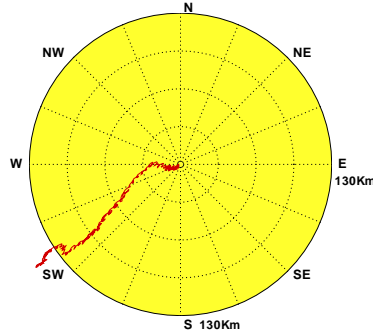
Current of PHY0 at 2018/05 NO=709(95%)
MEAN=21cm/s MAX=58cm/s(NE)
N-E:26% E-S:7% S-W:55% W-N:12%



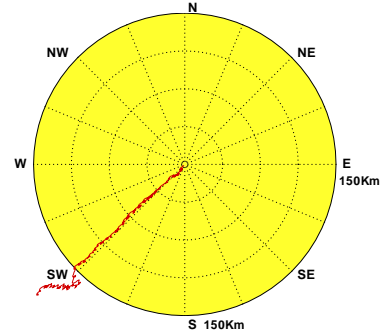
Current of PHY0 at 2018/06 NO=658(91%)
MEAN=23cm/s MAX=79cm/s(SW)
N-E:23% E-S:8% S-W:55% W-N:14%



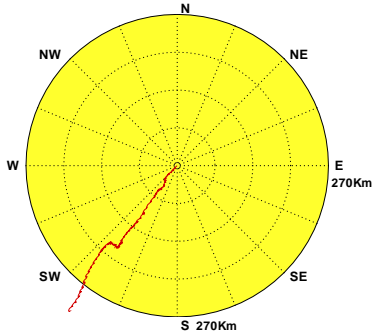
Current of PHY0 at 2018/07 NO=744(100%)
MEAN=23cm/s MAX=64cm/s(ENE)
N-E:29% E-S:5% S-W:53% W-N:13%



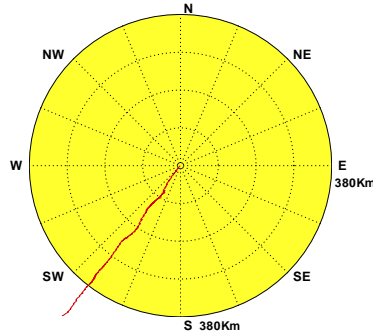
Current of PHY0 at 2018/08 NO=744(100%)
MEAN=20cm/s MAX=65cm/s(SSW)
N-E:24% E-S:7% S-W:56% W-N:13%



Current of PHY0 at 2018/09 NO=720(100%)
MEAN=27cm/s MAX=83cm/s(SW)
N-E:26% E-S:10% S-W:55% W-N:9%



Current of PHY0 at 2018/10 NO=744(100%)
MEAN=31cm/s MAX=85cm/s(SW)
N-E:26% E-S:11% S-W:60% W-N:3%



Current of PHY0 at 2018/11 NO=720(100%)
MEAN=30cm/s MAX=86cm/s(SW)
N-E:26% E-S:10% S-W:60% W-N:4%

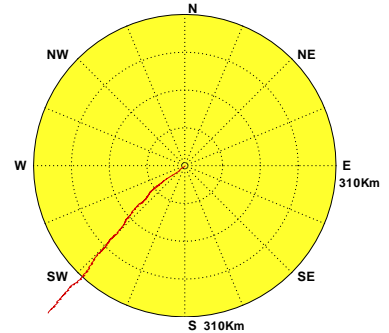


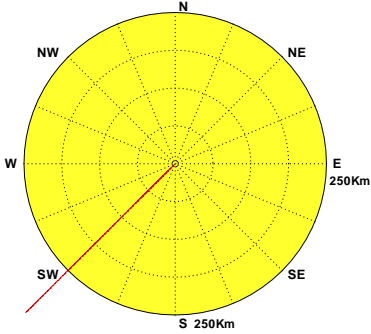
圖4.5.3a 2018年澎湖海域每月測站 Y 觀測海流向量行進圖

C17CPHY0.1HO C181PHY0.1HO C182PHY0.1HO C183PHY0.1HO C184PHY0.1HO C185PHY0.1HO
C186PHY0.1HO C187PHY0.1HO C188PHY0.1HO C189PHY0.1HO C18APHY0.1HO C18BPHY0.1HO

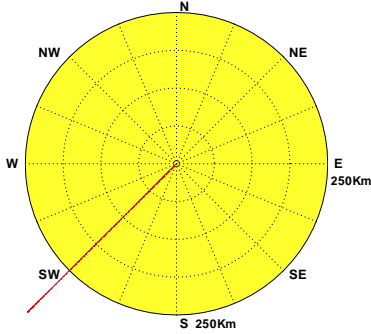
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Progressive Vector Diagram of Current

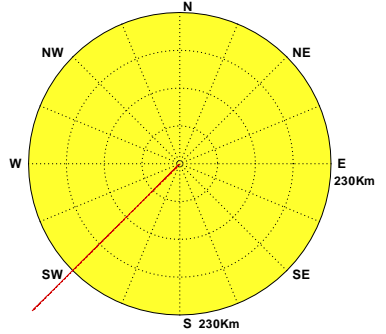
Current of PHY0 at 2017/12 NO=744(100%)
 MEAN=22cm/s MAX=59cm/s(SW)
 N-E:29% E-S:7% S-W:60% W-N:4%



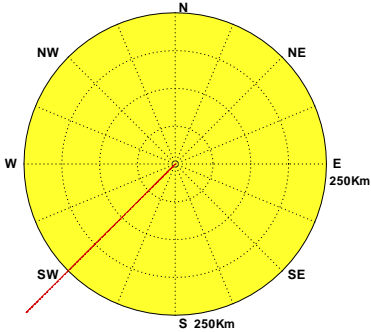
Current of PHY0 at 2018/01 NO=744(100%)
 MEAN=22cm/s MAX=60cm/s(SW)
 N-E:30% E-S:6% S-W:60% W-N:4%



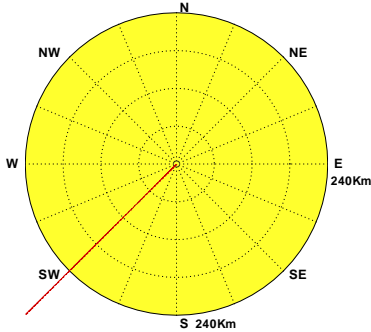
Current of PHY0 at 2018/02 NO=672(100%)
 MEAN=21cm/s MAX=60cm/s(SW)
 N-E:29% E-S:6% S-W:61% W-N:4%



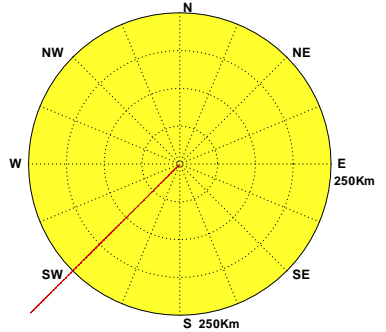
Current of PHY0 at 2018/03 NO=744(100%)
 MEAN=22cm/s MAX=60cm/s(SW)
 N-E:29% E-S:7% S-W:60% W-N:4%



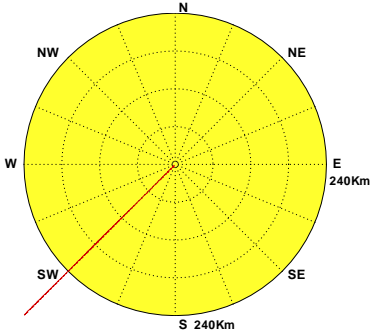
Current of PHY0 at 2018/04 NO=720(100%)
 MEAN=22cm/s MAX=56cm/s(SW)
 N-E:29% E-S:6% S-W:61% W-N:4%



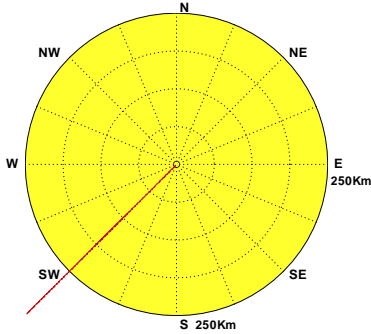
Current of PHY0 at 2018/05 NO=744(100%)
 MEAN=22cm/s MAX=55cm/s(SW)
 N-E:29% E-S:6% S-W:61% W-N:4%



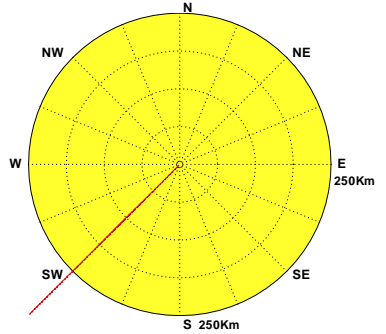
Current of PHY0 at 2018/06 NO=720(100%)
 MEAN=21cm/s MAX=58cm/s(SW)
 N-E:29% E-S:6% S-W:62% W-N:3%



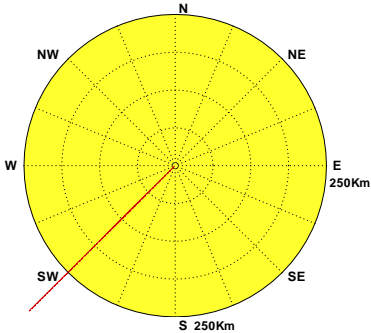
Current of PHY0 at 2018/07 NO=744(100%)
 MEAN=21cm/s MAX=61cm/s(SW)
 N-E:28% E-S:6% S-W:61% W-N:5%



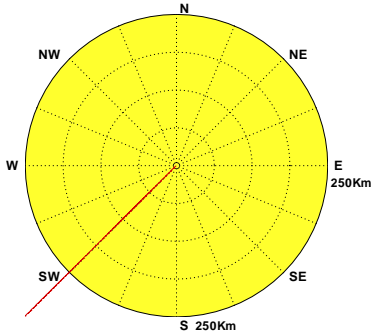
Current of PHY0 at 2018/08 NO=744(100%)
 MEAN=21cm/s MAX=61cm/s(SW)
 N-E:30% E-S:6% S-W:61% W-N:3%



Current of PHY0 at 2018/09 NO=720(100%)
 MEAN=21cm/s MAX=59cm/s(SW)
 N-E:29% E-S:6% S-W:61% W-N:4%



Current of PHY0 at 2018/10 NO=744(100%)
 MEAN=22cm/s MAX=56cm/s(SW)
 N-E:29% E-S:6% S-W:61% W-N:4%



Current of PHY0 at 2018/11 NO=720(100%)
 MEAN=22cm/s MAX=55cm/s(SW)
 N-E:28% E-S:6% S-W:62% W-N:4%

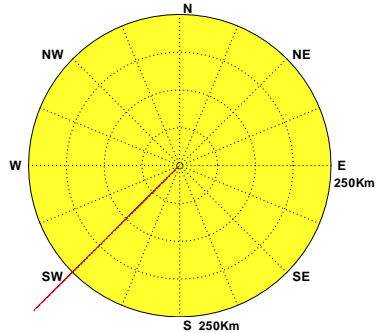


圖 4.5.3b 2018 年澎湖海域每月測站 Y 計算潮流向量行進圖

C17CPHY0.1HD C181PHY0.1HD C182PHY0.1HD C183PHY0.1HD C184PHY0.1HD C185PHY0.1HD
 C186PHY0.1HD C187PHY0.1HD C188PHY0.1HD C189PHY0.1HD C18APHY0.1HD C18BPHY0.1HD

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Progressive Vector Diagram of Current

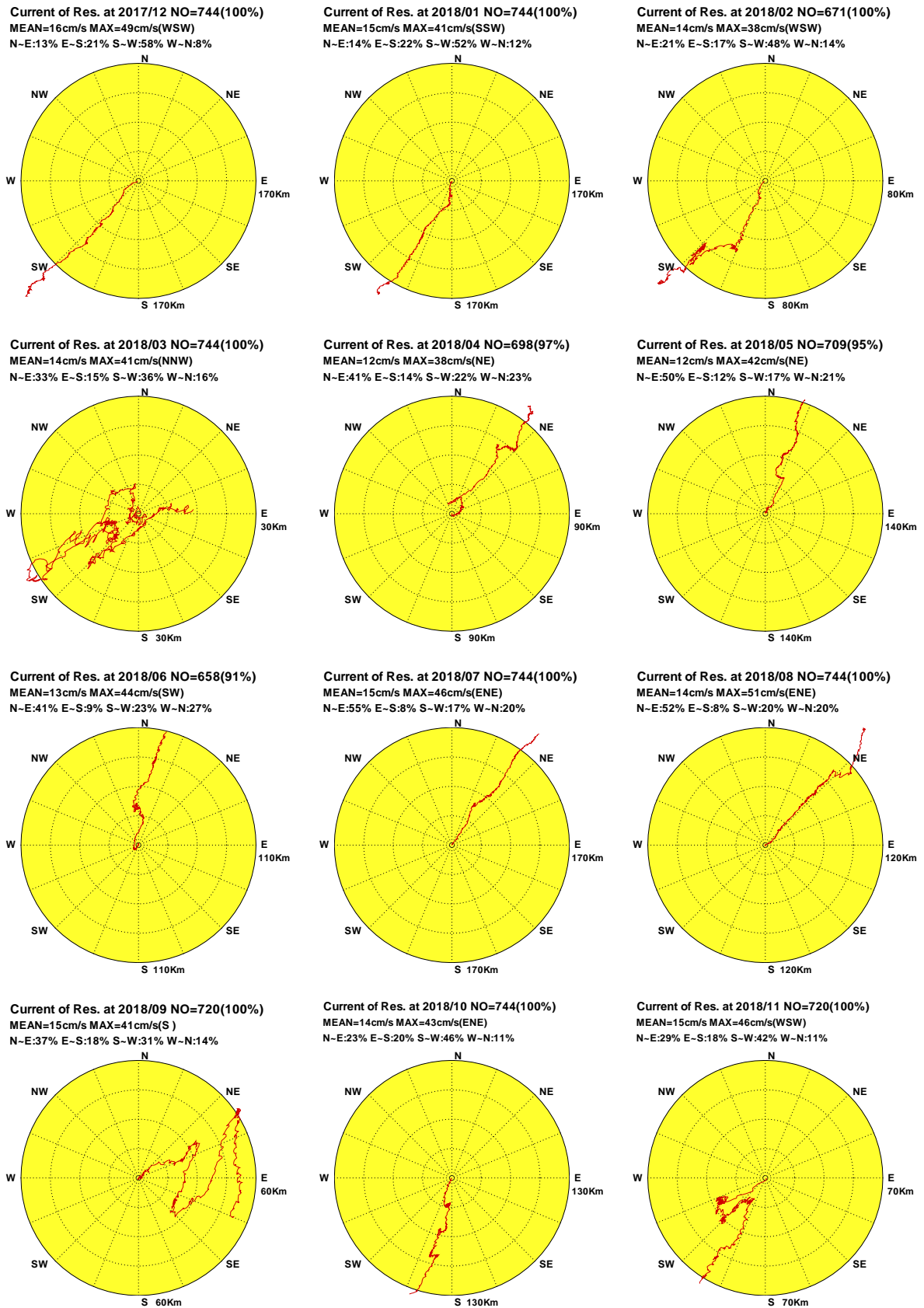


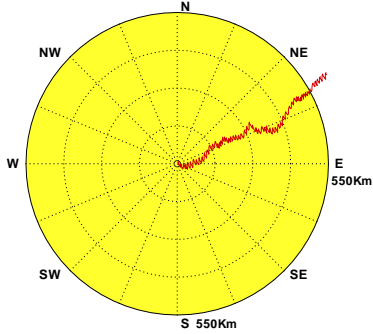
圖4.5.3c 2018年澎湖海域每月測站 Y 計算殘流向量行進圖

C17CPHY0.1HR C181PHY0.1HR C182PHY0.1HR C183PHY0.1HR C184PHY0.1HR C185PHY0.1HR
 C186PHY0.1HR C187PHY0.1HR C188PHY0.1HR C189PHY0.1HR C18APHY0.1HR C18BPHY0.1HR

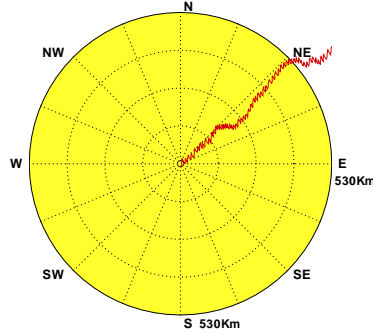
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Progressive Vector Diagram of Current

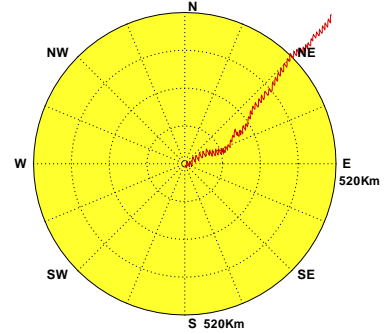
Current of PHZ0 at 2017/12 NO=738(99%)
MEAN=87cm/s MAX=207cm/s(N)
N-E:41% E-S:40% S-W:2% W-N:17%



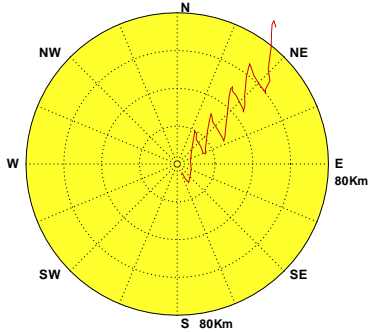
Current of PHZ0 at 2018/01 NO=721(97%)
MEAN=86cm/s MAX=211cm/s(N)
N-E:43% E-S:40% S-W:1% W-N:16%



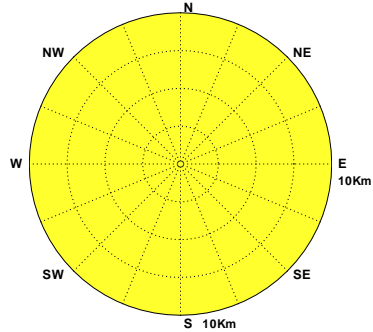
Current of PHZ0 at 2018/02 NO=649(97%)
MEAN=89cm/s MAX=215cm/s(SSE)
N-E:44% E-S:39% S-W:2% W-N:15%



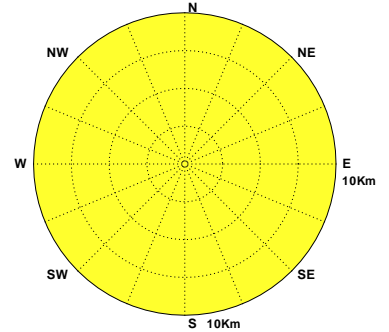
Current of PHZ0 at 2018/03 NO=62(8%)
MEAN=99cm/s MAX=197cm/s(N)
N-E:52% E-S:35% S-W:5% W-N:8%



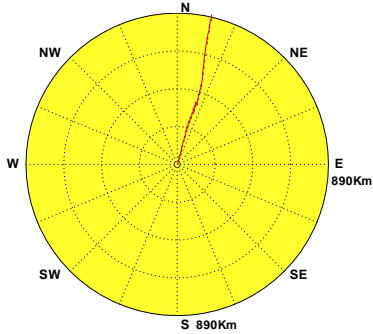
Current of PHZ0 at 2018/04



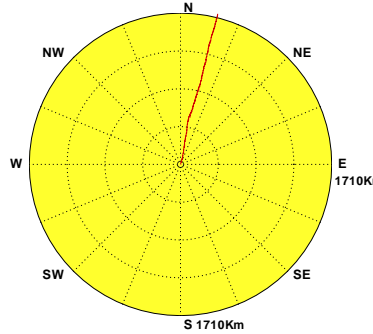
Current of PHZ0 at 2018/05



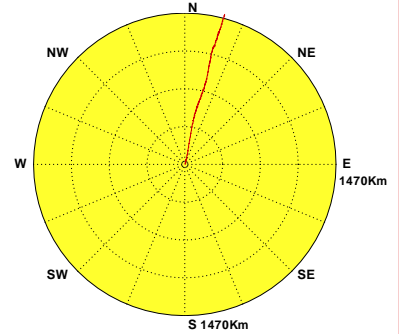
Current of PHZ0 at 2018/06 NO=375(52%)
MEAN=91cm/s MAX=222cm/s(N)
N-E:60% E-S:25% S-W:2% W-N:13%



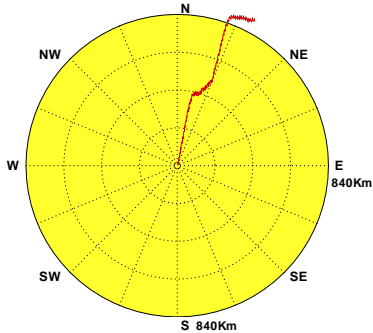
Current of PHZ0 at 2018/07 NO=712(96%)
MEAN=95cm/s MAX=234cm/s(N)
N-E:59% E-S:26% S-W:4% W-N:11%



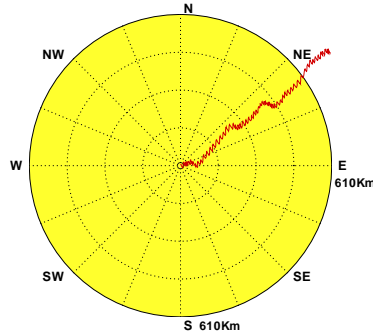
Current of PHZ0 at 2018/08 NO=707(95%)
MEAN=85cm/s MAX=237cm/s(N)
N-E:54% E-S:28% S-W:3% W-N:15%



Current of PHZ0 at 2018/09 NO=668(93%)
MEAN=84cm/s MAX=219cm/s(N)
N-E:50% E-S:33% S-W:3% W-N:14%



Current of PHZ0 at 2018/10 NO=743(100%)
MEAN=88cm/s MAX=228cm/s(N)
N-E:44% E-S:40% S-W:2% W-N:14%



Current of PHZ0 at 2018/11 NO=604(84%)
MEAN=88cm/s MAX=200cm/s(N)
N-E:44% E-S:38% S-W:2% W-N:16%

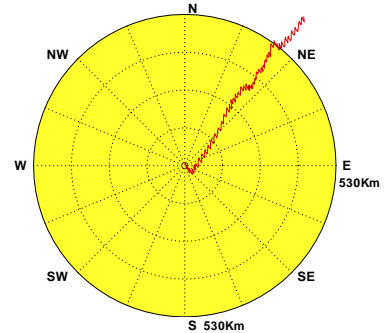


圖4.5.4a 2018年澎湖海域每月測站 Z 觀測海流向量行進圖

C17CPHZ0.1H0 C181PHZ0.1H0 C182PHZ0.1H0 C183PHZ0.1H0 C184PHZ0.1H0 C185PHZ0.1H0
C186PHZ0.1H0 C187PHZ0.1H0 C188PHZ0.1H0 C189PHZ0.1H0 C18APHZ0.1H0 C18BPHZ0.1H0

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Progressive Vector Diagram of Current

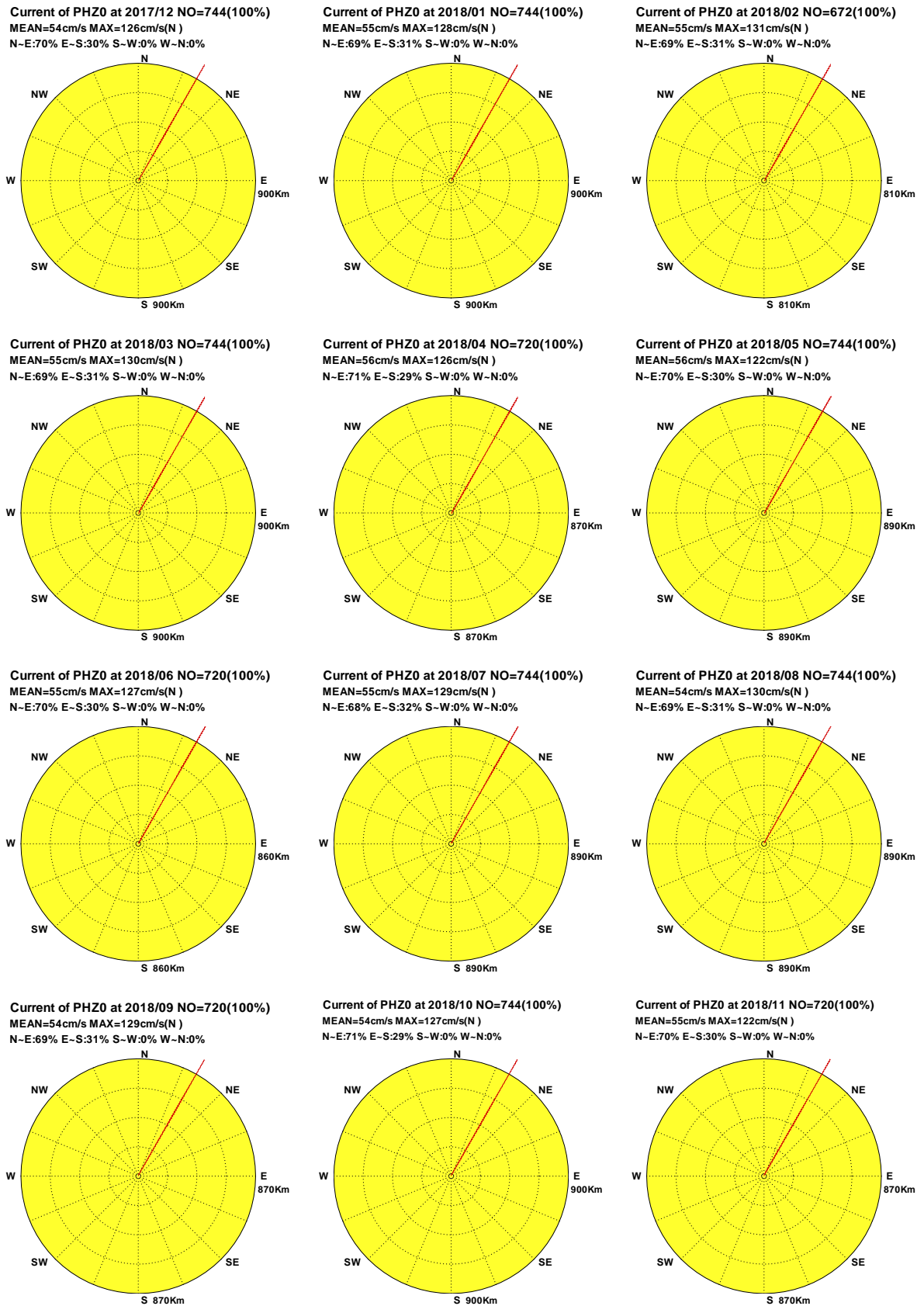


圖4.5.4b 2018年澎湖海域每月測站 Z 計算潮流向量行進圖

C17CPHZ0.1HD C181PHZ0.1HD C182PHZ0.1HD C183PHZ0.1HD C184PHZ0.1HD C185PHZ0.1HD
 C186PHZ0.1HD C187PHZ0.1HD C188PHZ0.1HD C189PHZ0.1HD C18APHZ0.1HD C18BPHZ0.1HD

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Progressive Vector Diagram of Current

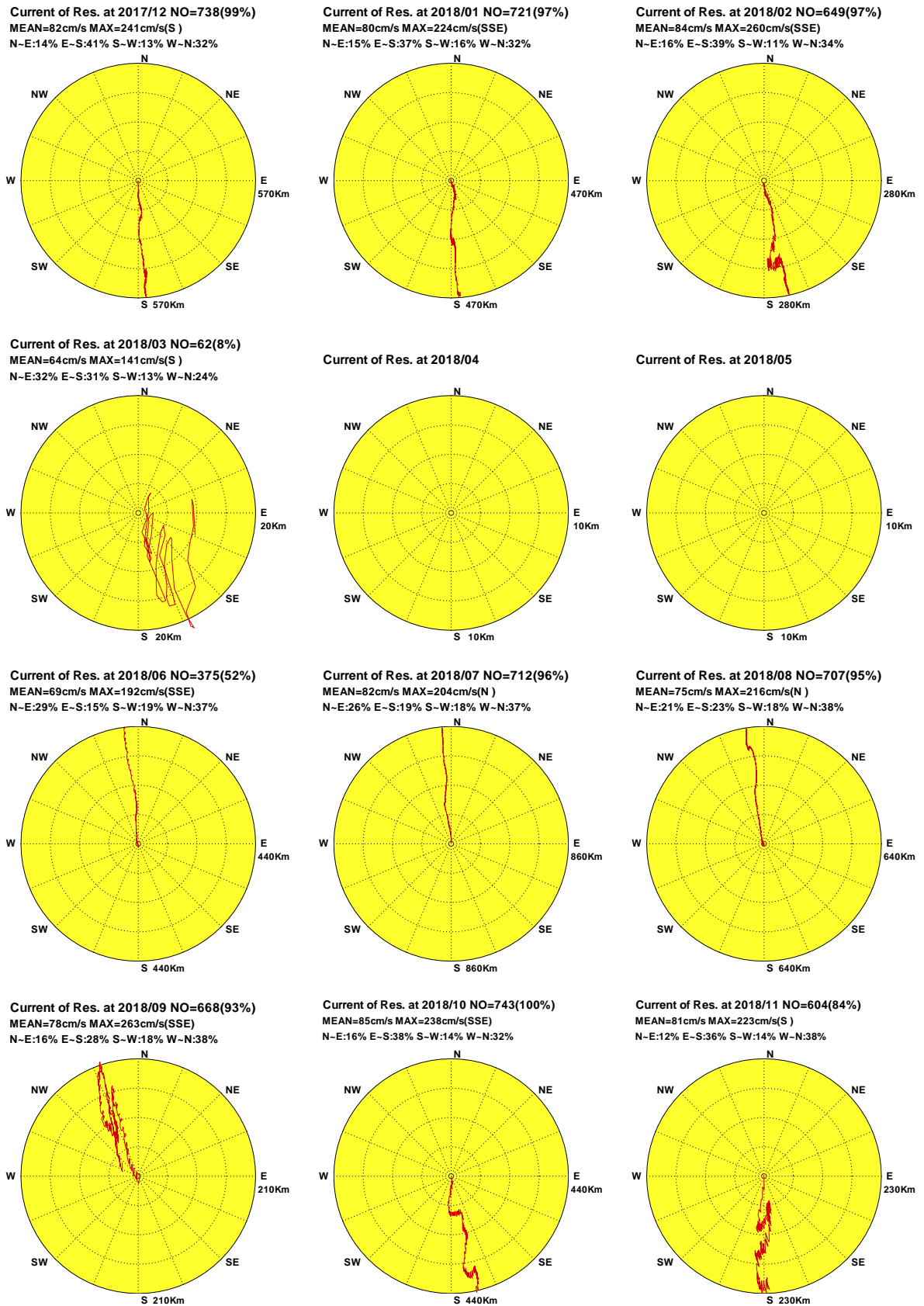


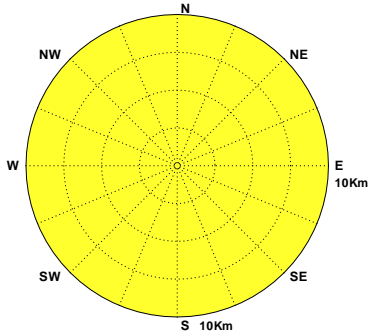
圖4.5.4c 2018年澎湖海域每月測站 Z 計算殘流向量行進圖

C17CPHZ0.1HR C181PHZ0.1HR C182PHZ0.1HR C183PHZ0.1HR C184PHZ0.1HR C185PHZ0.1HR
 C186PHZ0.1HR C187PHZ0.1HR C188PHZ0.1HR C189PHZ0.1HR C18APHZ0.1HR C18BPHZ0.1HR

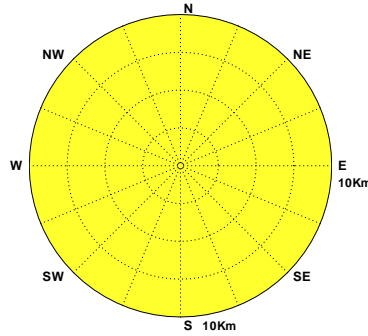
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Progressive Vector Diagram of Current

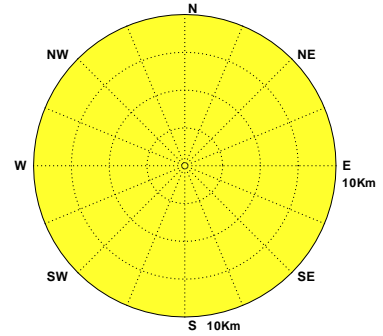
Current of PHR0 at 2017/12



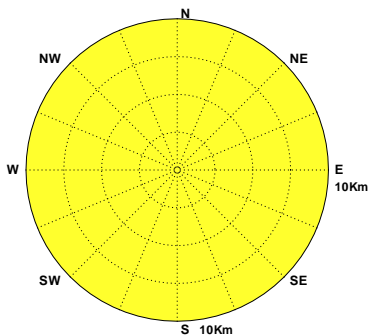
Current of PHR0 at 2018/01



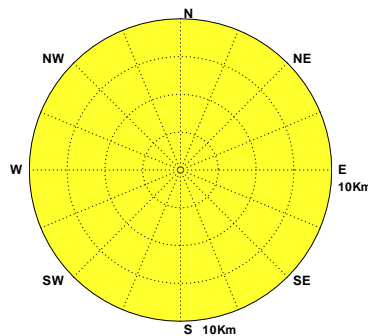
Current of PHR0 at 2018/02



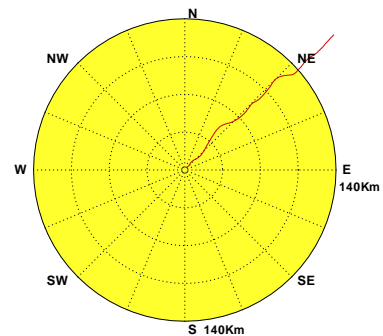
Current of PHR0 at 2018/03



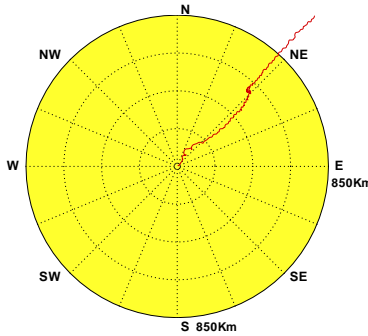
Current of PHR0 at 2018/04



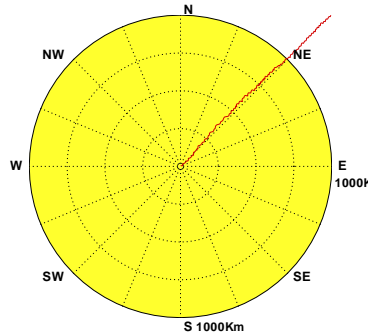
Current of PHR0 at 2018/05 NO=61(8%)
MEAN=88cm/s MAX=136cm/s(NNE)
N-E:99% E-S:0% S-W:0% W-N:0%



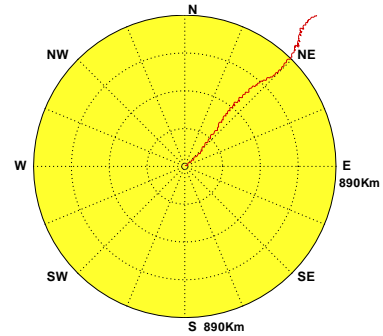
Current of PHR0 at 2018/06 NO=700(97%)
MEAN=63cm/s MAX=161cm/s(N)
N-E:69% E-S:15% S-W:4% W-N:12%



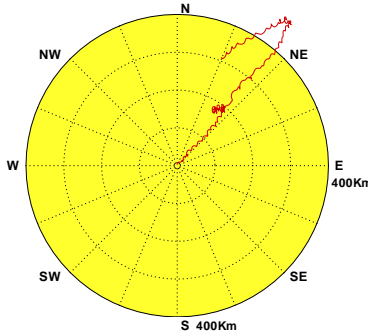
Current of PHR0 at 2018/07 NO=720(97%)
MEAN=66cm/s MAX=154cm/s(NNE)
N-E:77% E-S:19% S-W:0% W-N:4%



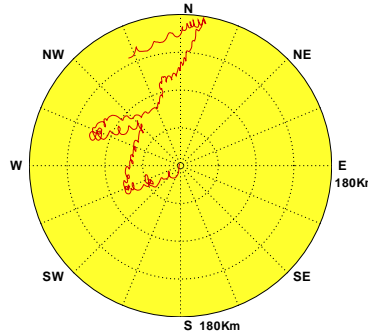
Current of PHR0 at 2018/08 NO=687(92%)
MEAN=67cm/s MAX=144cm/s(N)
N-E:63% E-S:21% S-W:2% W-N:14%



Current of PHR0 at 2018/09 NO=682(95%)
MEAN=52cm/s MAX=142cm/s(SSW)
N-E:41% E-S:19% S-W:17% W-N:23%



Current of PHR0 at 2018/10 NO=730(98%)
MEAN=41cm/s MAX=100cm/s(W)
N-E:28% E-S:23% S-W:22% W-N:27%



Current of PHR0 at 2018/11 NO=709(98%)
MEAN=46cm/s MAX=114cm/s(S)
N-E:7% E-S:12% S-W:43% W-N:38%

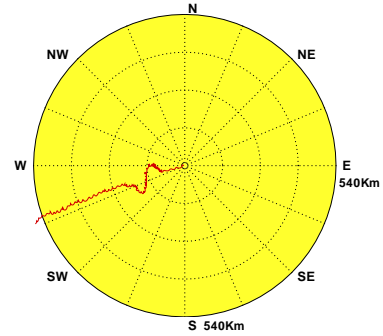


圖4.5.5a 2018年澎湖海域每月測站 R 觀測海流向量行進圖

C17CPHR0.1H0 C181PHR0.1H0 C182PHR0.1H0 C183PHR0.1H0 C184PHR0.1H0 C185PHR0.1H0
C186PHR0.1H0 C187PHR0.1H0 C188PHR0.1H0 C189PHR0.1H0 C18APHR0.1H0 C18BPHR0.1H0

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Progressive Vector Diagram of Current

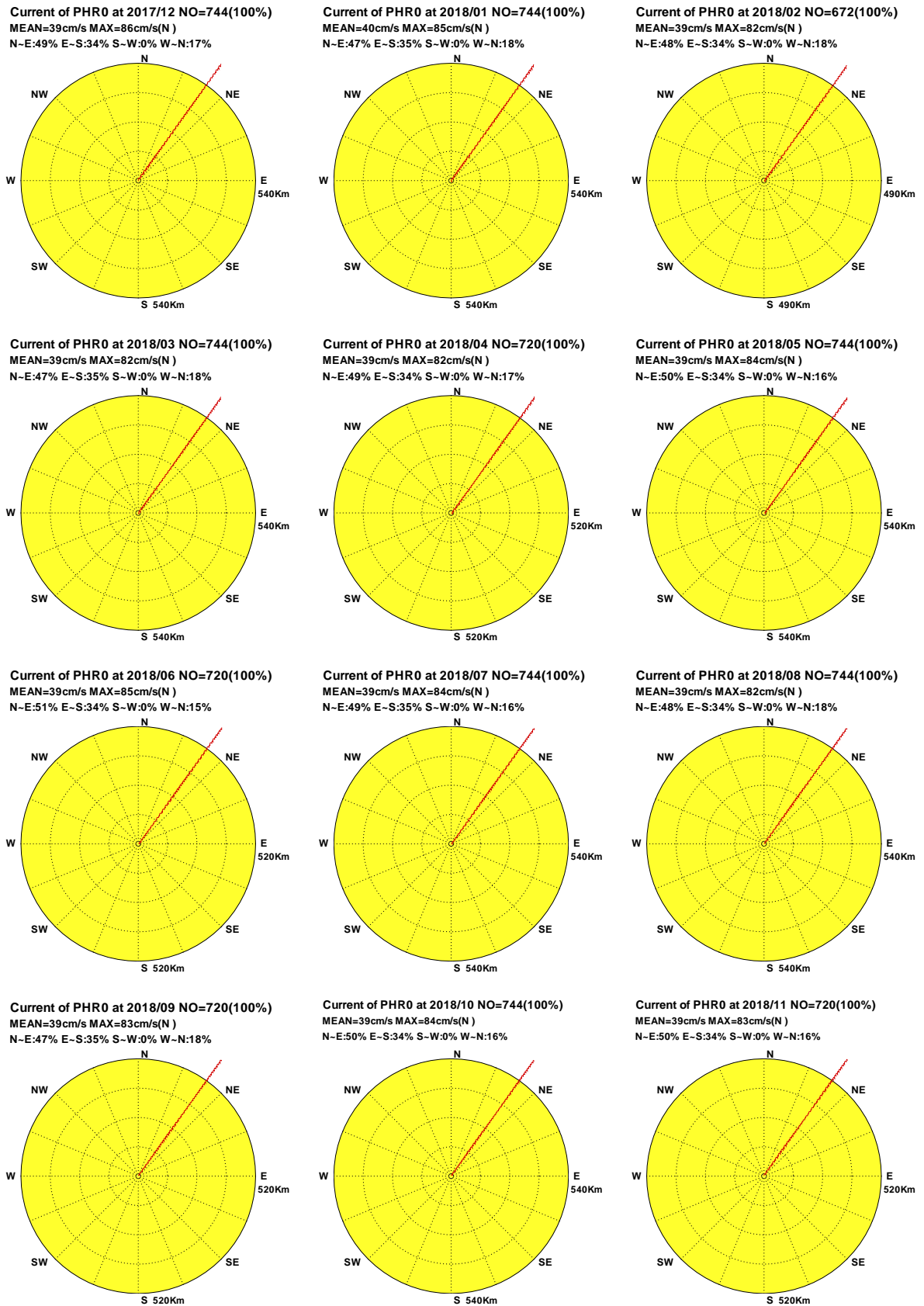


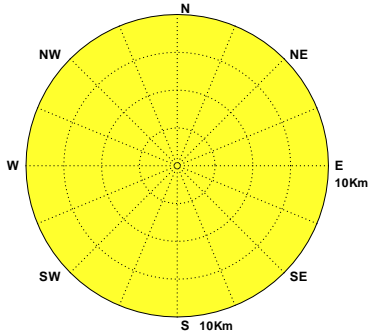
圖4.5.5b 2018年澎湖海域每月測站 R 計算潮流向量行進圖

C17CPHR0.1HD C181PHR0.1HD C182PHR0.1HD C183PHR0.1HD C184PHR0.1HD C185PHR0.1HD
 C186PHR0.1HD C187PHR0.1HD C188PHR0.1HD C189PHR0.1HD C18APHR0.1HD C18BPHR0.1HD

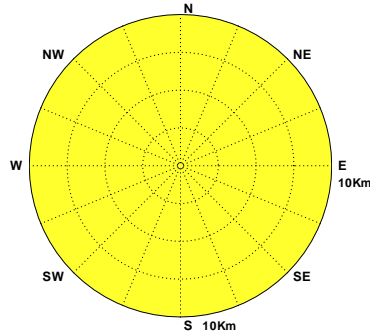
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Progressive Vector Diagram of Current

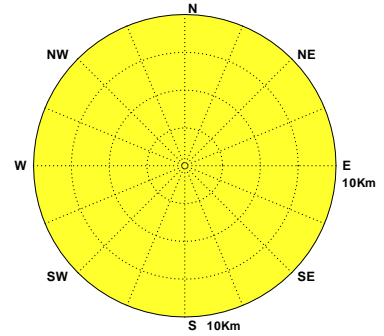
Current of Res. at 2017/12



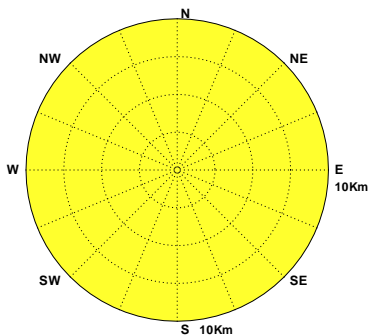
Current of Res. at 2018/01



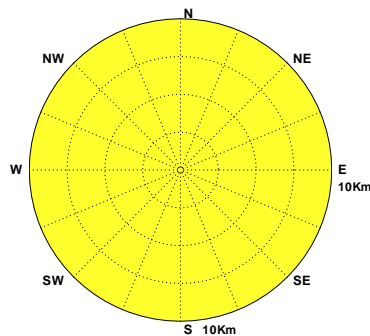
Current of Res. at 2018/02



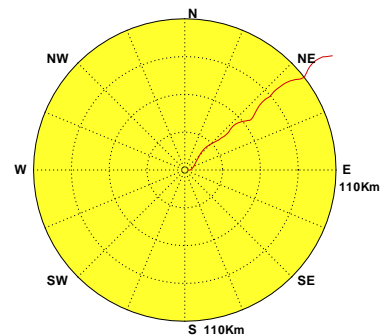
Current of Res. at 2018/03



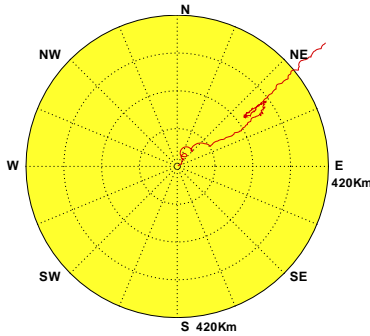
Current of Res. at 2018/04



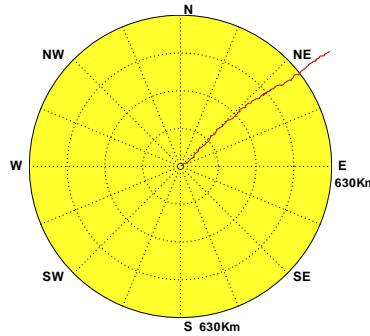
Current of Res. at 2018/05 NO=61(8%)
MEAN=65cm/s MAX=109cm/s(NNE)
N-E:98% E-S:2% S-W:0% W-N:0%



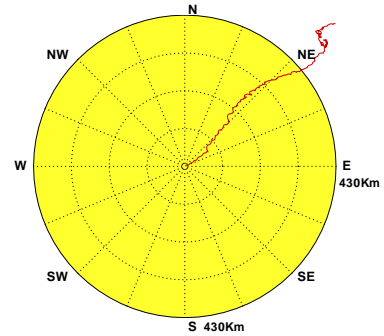
Current of Res. at 2018/06 NO=700(97%)
MEAN=38cm/s MAX=112cm/s(NNE)
N-E:63% E-S:13% S-W:11% W-N:13%



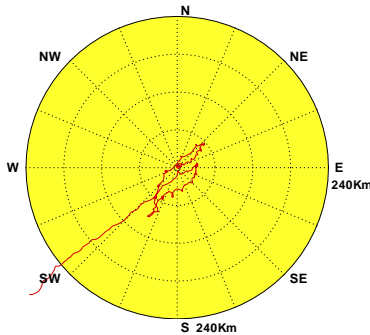
Current of Res. at 2018/07 NO=720(97%)
MEAN=35cm/s MAX=98cm/s(NNE)
N-E:82% E-S:11% S-W:1% W-N:6%



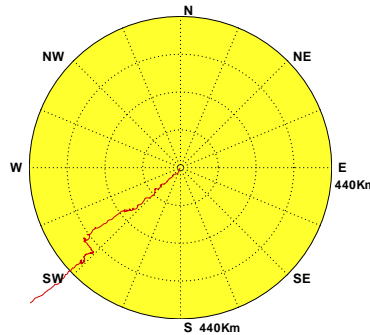
Current of Res. at 2018/08 NO=687(92%)
MEAN=39cm/s MAX=91cm/s(ENE)
N-E:61% E-S:14% S-W:8% W-N:17%



Current of Res. at 2018/09 NO=682(95%)
MEAN=37cm/s MAX=136cm/s(SW)
N-E:26% E-S:17% S-W:40% W-N:17%



Current of Res. at 2018/10 NO=730(98%)
MEAN=33cm/s MAX=110cm/s(WSW)
N-E:7% E-S:17% S-W:61% W-N:15%



Current of Res. at 2018/11 NO=709(98%)
MEAN=49cm/s MAX=111cm/s(SW)
N-E:0% E-S:3% S-W:90% W-N:7%

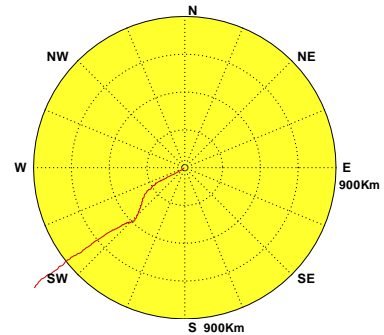


圖4.5.5c 2018年澎湖海域每月測站 R 計算殘流向量行進圖

C17CPHR0.1HR C181PHR0.1HR C182PHR0.1HR C183PHR0.1HR C184PHR0.1HR C185PHR0.1HR
C186PHR0.1HR C187PHR0.1HR C188PHR0.1HR C189PHR0.1HR C18APHR0.1HR C18BPHR0.1HR

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