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



交通部運輸研究所

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著者：蘇青和、李俊穎、傅怡釗
蔣敏玲、劉清松、陳鈞彥

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編輯：蘇青和、李俊穎、傅怡釧、蔣敏玲、劉清松、陳鈞彥

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摘要： 本港灣環境資訊網觀測海氣象資料年報，包括中雲海域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。			
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2018年港灣環境資訊網海氣象觀測資料年報 (中雲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，蒐集之中雲海域風力資料，除本中心自行觀測之外，在梧棲氣象站(測站 E) 觀測風力資料，係交通部 中央氣象局(CWB)提供。麥寮氣象站(測站 H、測站 I)觀測風力資料，係經濟部 水利署(WRA)提供。彰濱外海浮標站(測站 Y)風力資料，係 海科中心(TORI)所設置；彰濱外海一浮標站(測站 Z)及彰濱外海二浮標站(測站 R)之風速儀屬中興工程所設置，謹致謝忱。

2018 年港灣環境資訊網觀測波浪資料，蒐集之中雲海域波浪資料，除本中心自行觀測之外，在彰濱外海浮標站(測站 Y)波浪儀，係 海科中心(TORI)所設置；彰濱外海一浮標站(測站 Z)、彰濱外海二浮標站(測站 R)及彰濱 B 區(測站 U)之波浪儀屬中興工程所設置，謹致謝忱。

2018 年港灣海氣象觀測潮汐資料，蒐集之中雲海域潮汐觀測資料，除本中心自行觀測之外，在麥寮(測站 J)、芳苑(測站 K)等觀測潮汐資料，係經濟部 水利署 提供，謹致謝忱。

2018 年港灣環境資訊網觀測海流資料，蒐集之中雲海域海流資料，除本中心自行觀測之外，在彰濱外海浮標站(測站 Y) 海流儀，係 海科中心(TORI)所設置，彰濱外海一浮標站(測站 Z)、彰濱外海二浮標站(測站 R) 及彰濱 B 區(測站 U)之海流儀屬中興工程所設置，謹致謝忱。

第 0 章 中雲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。

中雲海域觀測風力資料測站統計表如表 WG1，觀測波浪資料測站統計表如表 VG1，觀測潮汐資料測站統計表如表 TG1，觀測海流資料測站統計表如表 CG1。

表 WG1 中雲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
中雲海域	8	2	1	2	3	

表 VG1 中雲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
中雲海域	5	1	0	0	4	

表 TG1 中雲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
中雲海域	5	2	1	2	0	

表 CG1 中雲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
中雲海域	5	2	0	0	3	

註:資料更新時間為 2018 年。

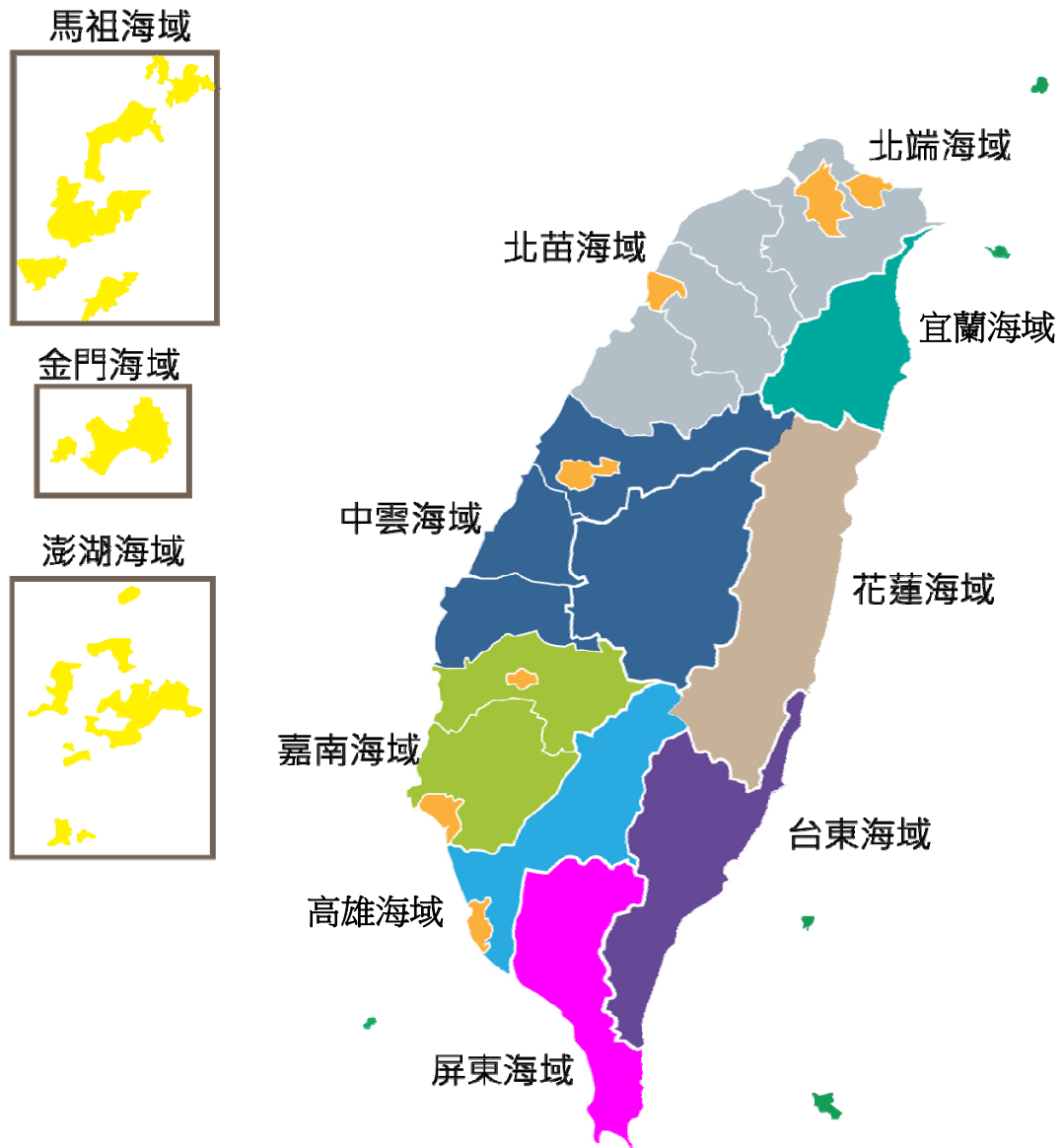


圖 A1 臺灣 12 海域區分示意圖

2018 年中雲海域觀測風力資料

中雲海域(臺中~雲林)風之觀測係 2001 年 6 月，本中心(IHMT)於台中港北防風林處(測站 B)安裝 Young Brand 風速計，儀器高度約 10m，2009 年 9 月更新為 Gill 二維超音波式風速計，另於 2005 年 9 月在臺中港北防波堤白燈塔頂安裝風速儀(測站 W)，2009 年 9 月更新為 Gill 二維超音波式風速計，其位置如附圖 WG1。

測站 E 之風速儀屬中央氣象局(CWB)所有。麥寮氣象站測站 H 及測站 I 之風速儀則屬水利署所有，測站 Y(彰濱外海浮標站)之風速儀屬海科中心(TORI)所設置，測站 Z(彰濱外海一浮標站)及測站 R(彰濱外海二浮標站)之風速儀屬中興工程所設置。各測站歷年觀測風資料蒐集概況如表 WG1。

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。其他測站觀測資料也是平均風速(m/s)及風向(度)。

表 WG1 中雲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
B	24°18'18"N	120°31'52"E	2001/07-2018/11(觀測中)	港研中心	台中港北防風林
W	24°17'59"N	120°29'12"E	1996/09-1997/11 2005/09-2018/11(觀測中)	港研中心	台中港北堤燈塔
E	24°15'25"N	120°31'23"E	1996/09-2018/11(觀測中)	中央氣象局	梧棲站
Y	24°01'12"N	120°13'59"E	2006/08-2016/12	海科中心	彰濱浮標站
H	24°47'9"N	120°9'39"E	2000/01-2009/06	水利署	麥寮氣象站
I	24°47'9"N	120°9'39"E	2009/01-2018/11(觀測中)	水利署	麥寮氣象站
Z	24°06'24"	119°41'33"	2016/09-2017/09	中興工程	彰化外海一浮標
R	24°06'56"	119°51'08"	2016/09-2017/09	中興工程	彰化外海二浮標

中雲海域



圖 WG1 中雲海域風力觀測站位置示意圖

2018 年中雲海域觀測波浪資料

中雲海域(臺中~雲林)波浪之觀測本中心(IHMT)係於 1999 年 10 月安置挪威 NORTEK 公司表面波浪監測系統於台中港測站 X0 處，位置如附圖 VG1，2000 年因臺中港務局北防波堤延長工程開始展開整平拋石工作影響到儀器安全，於 8 月 18 日暫時停止量測並將設備收回。2003 年 5 月臺中港務局北防波堤延長工程完成後本所隨即在 2003 年 7 月 5 日就安裝完成(挪威 NORTEK 公司)潮波流監測系統，安裝在臺中港北防波堤堤頭 150 公尺外、水深 25 公尺處(稱測站 X1)。

測站 Y(彰濱外海浮標站)之波浪儀屬海科中心(TORI)所設置;測站 Z(彰濱外海一浮標站)、測站 R(彰濱外海二浮標站)及測站 U(彰濱 B 區)之波浪儀屬中興工程所設置。臺中海域各測站歷年觀測波浪資料蒐集概況如表 VG1。

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 VG1 中雲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
X0	24°17'54"N	120°29'39"E	1999/10-2000/08	港研中心	北堤外海(延伸前)
X1	24°18'02"N	120°29'05"E	2003/07-2018/11(觀測中)	港研中心	北堤外海
Y	24°01'12"N	120°13'59"E	2006/08-2016/12	海科中心	彰濱外海浮標站
Z	24°06'24"	119°41'33"	2016/09-2018/09	中興工程	彰化外海一浮標
R	24°06'56"	119°51'08"	2016/09-2018/09	中興工程	彰化外海二浮標
U	24°03'23"	128°08'01"	2016/12-2018/12	中興工程	彰化外海 B 區

中雲海域

	IHMT 波潮流站
	TORI 浮標波浪站



圖 VG1 中雲海域波浪觀測站位置示意圖

2018 年中雲海域觀測潮汐資料

中雲海域潮汐之觀測係於 1981 年 2 月本中心於台中港 4 號碼頭安置潮位站 (測站 T)，位置如附圖 TG1，1999 年因 921 集集大地震整修 4 號碼頭，將潮位站拆除，2001 年 3 月碼頭整修完成後重新安裝 Water Log 潮位計。另本中心於 2003 年 7 月，在臺中港北防波堤堤頭 150 公尺外、水深 25 公尺處(測站 X) 安置 AWCP 監測系統，也具量測水位功能。

潮汐鹿港觀測站(測站 P)是由中央氣象局設置。麥寮(測站 J)及芳苑(測站 K)之潮汐儀則屬水利署所有。中雲海域各測站歷年觀測潮汐資料蒐集概況如表 TG1。

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。

表 TG1 中雲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	24°17'16"N	120°31'57"E	1989/12-2018/11(觀測中)	港研中心	台中港 4 號碼頭
X0	24°18'04"N	120°28'59"E	1999/10-2000/08	港研中心	北堤外海(延伸前)
X1	24°18'02"N	120°29'05"E	2003/07-2018/11(觀測中)	港研中心	AWCP 北堤外海
J	23°47'09"N	120°09'38"E	2009/01-2018/11(觀測中)	水利署	麥寮潮位站
K	23°54'53"N	120°17'50"E	2009/01-2012/02	水利署	芳苑潮位站
P	24°5'6"N	120°25'13"E	2018/03-2018/11(觀測中)	中央氣象局	鹿港潮位站

中雲海域

 IHMT 潮位站	 WRA 潮位站
 IHMT 波潮流站	 CWB 潮位站

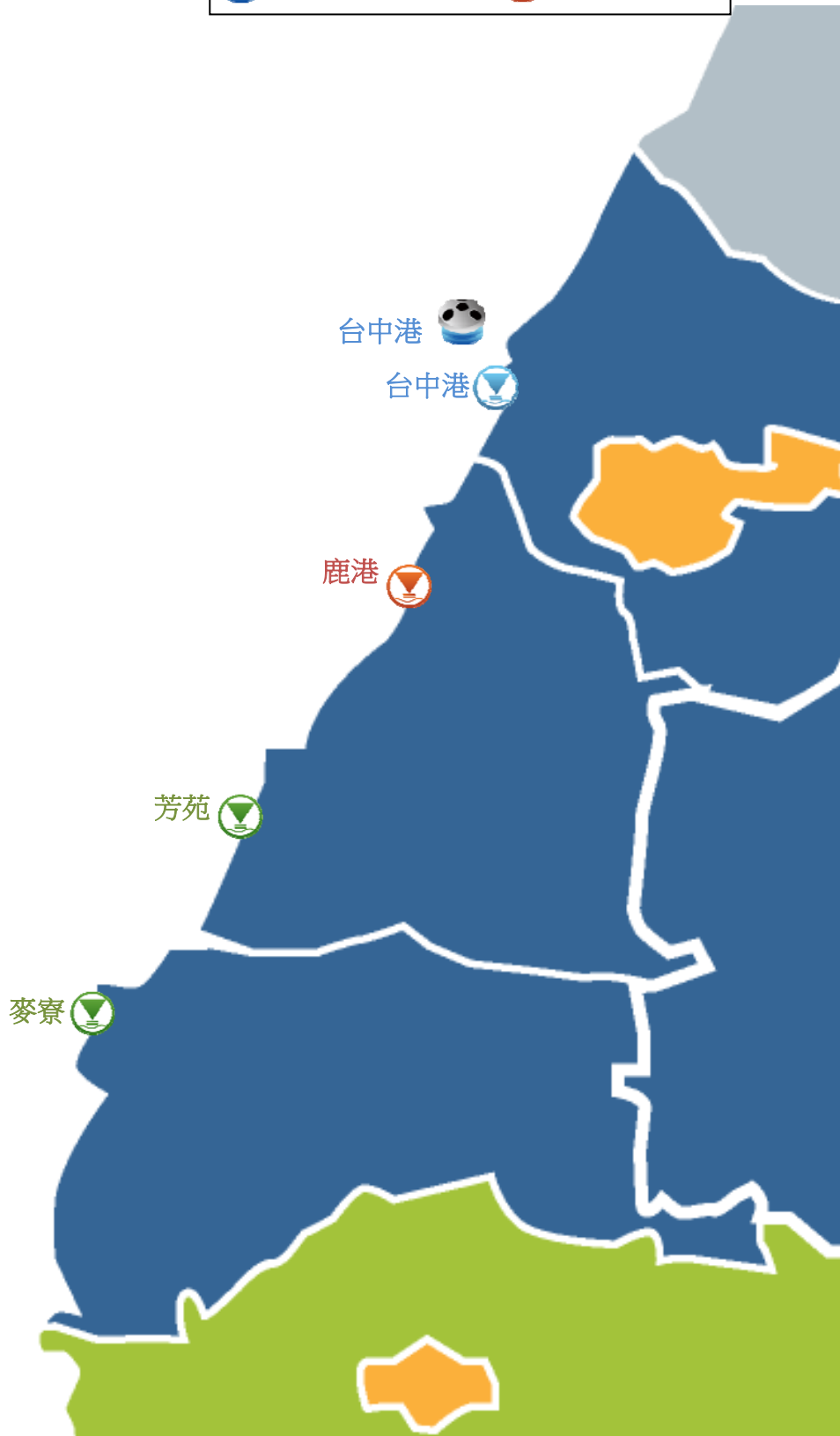


圖 TG1 中雲海域潮汐觀測站位置示意圖

2018 年中雲海域觀測海流資料

中雲海域(臺中~雲林)海流之觀測本中心(IHMT)係於 1999 年 10 月安置挪威 NORTEK 公司表面波浪監測系統於台中港測站 X0 處，位置如附圖 CG1，2000 年因臺中港務局北防波堤延長工程開始展開整平拋石工作影響到儀器安全，於 8 月 18 日暫時停止量測並將設備收回。2003 年 5 月臺中港務局北防波堤延長工程完成後本所隨即在 2003 年 7 月 5 日就安裝完成(NORTEK)波高波向與剖面海流即時傳送監測系統，安裝在臺中港北防波堤堤頭 150 公尺、水深 25 公尺處(稱測站 X1)。

測站 Y(彰濱外海浮標站)之海流儀屬海科中心(TORI)所設置;測站 Z(彰濱外海一浮標站)、測站 R(彰濱外海二浮標站)及測站 U(彰濱 B 區)之海流儀屬中興工程所設置。臺中海域各測站歷年觀測海流資料蒐集概況如表 CG1。

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，臺中港觀測站水深間距設定為 1 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 CG1 中雲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
X0	24°17'54"N	120°29'39"E	1999/10-2000/08	港研中心	北堤外海(延伸前)
X1	24°18'02"N	120°29'05"E	2003/07-2018/11(觀測中)	港研中心	北堤外海
Y	24°01'12"N	120°13'59"E	2012/07-2016/12	海科中心	彰濱外海浮標站
Z	24°06'24"	119°41'33"	2016/09-2018/09	中興工程	彰化外海一浮標
R	24°06'56"	119°51'08"	2016/09-2018/09	中興工程	彰化外海二浮標
U	24°03'23"	128°08'01"	2016/12-2018/12	中興工程	彰化外海 B 區

中雲海域



 IHMT 波潮流站
 TORI 浮標海流站



圖 CG1 中雲海域海流觀測站位置示意圖

第一章 2018 年中雲海域觀測風力資料

中雲海域風之觀測包括測站 **W**、測站 **I**、測站 **B** 及測站 **E** 等 4 個測站(測站位置如第 0 章圖 WG1)。本年報取經檢核及補遺之 **W** 站資料作為主要測站 1，**I** 站資料作為主要測站 2。

1.1 2018 年中雲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 年中雲海域**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 年中雲海域**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 年中雲海域**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 年中雲海域**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 年中雲海域**各測站**修補前每月風力向量行進圖。

表 1.1.1a 2018年每月中雲海域修補前各測站觀測風力資料紀錄表

海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域
年月/測站	W	I	B	E	Y	R	Z	H				
2017/12月	744(100%)	738(99.2%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*
2018/ 1月	744(100%)	734(98.7%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*
2018/ 2月	672(100%)	663(98.7%)	672(100%)	672(100%)	*	*	*	*	*	*	*	*
2018/ 3月	744(100%)	728(97.8%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*
2018/ 4月	720(100%)	698(96.9%)	720(100%)	720(100%)	*	*	*	*	*	*	*	*
2018/ 5月	744(100%)	644(86.6%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*
2018/ 6月	720(100%)	690(95.8%)	720(100%)	720(100%)	*	*	*	*	*	*	*	*
2018/ 7月	744(100%)	732(98.4%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*
2018/ 8月	744(100%)	725(97.4%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*
2018/ 9月	720(100%)	705(97.9%)	720(100%)	720(100%)	*	*	*	*	*	*	*	*
2018/10月	744(100%)	728(97.8%)	744(100%)	744(100%)	*	*	*	*	*	*	*	*
2018/11月	720(100%)	709(98.5%)	720(100%)	720(100%)	*	*	*	*	*	*	*	*
2018/冬季	2160(100%)	2135(98.8%)	2160(100%)	2160(100%)	*	*	*	*	*	*	*	*
2018/春季	2208(100%)	2070(93.8%)	2208(100%)	2208(100%)	*	*	*	*	*	*	*	*
2018/夏季	2208(100%)	2147(97.2%)	2208(100%)	2208(100%)	*	*	*	*	*	*	*	*
2018/秋季	2184(100%)	2142(98.1%)	2184(100%)	2184(100%)	*	*	*	*	*	*	*	*
2018/整年	8760(100%)	8494(97.0%)	8760(100%)	8760(100%)	*	*	*	*	*	*	*	*
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 1.1.1b 2018 年每月中雲海域修補後各測站風力資料紀錄表

海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域
年月/測站	W	I										
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年中雲海域 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%)	14.6	14.4/NNE	28.3/NNE	9.1	11.8	20.7	58.3	93.5	1.2	1.3	3.9	NNE/71.6%
2	2018/01	744(100%)	12.9	12.5/NNE	26.4/NNE	7.1	13.2	33.1	46.6	93.4	2.7	2.0	1.9	NNE/67.3%
3	2018/02	672(100%)	12.6	12.3/NNE	24.5/NNE	11.2	18.8	21.6	48.5	90.5	2.5	1.0	6.0	NNE/59.4%
4	2018/03	744(100%)	8.3	7.2/NNE	24.5/NNE	25.4	31.2	21.2	22.2	71.2	8.3	9.9	10.5	NNE/34.9%
5	2018/04	720(100%)	6.0	3.7/NNE	26.6/NNE	42.5	29.9	15.4	12.2	47.5	8.2	26.3	18.1	NNE/24.4%
6	2018/05	744(100%)	6.1	1.1/WSW	19.3/NNE	21.4	53.4	19.6	5.6	26.1	2.2	63.2	8.6	SSW/25.0%
7	2018/06	720(100%)	7.5	1.9/NNE	23.7/NNE	17.9	41.8	29.3	11.0	45.4	7.5	40.3	6.8	NNE/30.1%
8	2018/07	744(100%)	5.3	1.7/SSW	19.8/NNE	36.6	37.8	23.1	2.6	17.2	18.4	46.0	18.4	SSW/18.0%
9	2018/08	744(100%)	5.2	3.1/SSW	16.2/SSW	30.6	48.9	19.5	.9	12.6	17.9	56.3	13.2	SSW/26.5%
10	2018/09	720(100%)	8.2	5.7/NNE	23.8/NNE	33.8	26.0	13.3	26.9	54.2	7.2	25.4	13.2	NNE/37.8%
11	2018/10	744(100%)	12.5	12.4/NNE	23.1/NNE	5.1	15.3	35.9	43.7	96.2	.8	.9	2.0	NNE/66.8%
12	2018/11	720(100%)	9.4	9.0/NNE	25.3/NNE	19.6	23.9	34.9	21.7	86.5	3.2	3.8	6.5	NNE/52.2%
13	2018/冬	2160(100%)	13.4	13.1/NNE	28.3/NNE	9.1	14.4	25.2	51.3	92.5	2.1	1.5	3.8	NNE/66.3%
14	2018/春	2208(100%)	6.8	3.3/NNE	26.6/NNE	29.6	38.2	18.8	13.4	48.3	6.2	33.2	12.3	NNE/24.6%
15	2018/夏	2208(100%)	6.0	1.0/SSW	23.7/NNE	28.5	42.8	23.9	4.8	24.9	14.7	47.6	12.9	SSW/20.5%
16	2018/秋	2184(100%)	10.1	9.1/NNE	25.3/NNE	19.3	21.7	28.1	30.9	79.2	3.7	9.9	7.2	NNE/52.4%
17	2018/年	8760(100%)	9.0	6.1/NNE	28.3/NNE	21.7	29.4	24.0	24.9	61.0	6.7	23.2	9.1	NNE/39.4%

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表1.1.3 2018年中雲海域 I 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%)	11.3	11.2/NE	22.0/NE	7.9	19.9	34.7	37.5	97.0	1.6	1.1	.3	NNE/52.3%
2	2018/01	744(100%)	10.1	9.9/NE	19.7/ENE	4.3	23.4	53.5	18.8	96.6	1.6	1.1	.7	NE /62.8%
3	2018/02	672(100%)	9.8	9.7/NE	18.4/NE	10.4	28.7	32.7	28.1	96.4	1.2	1.0	1.3	NE /80.5%
4	2018/03	744(100%)	6.5	6.0/NE	19.9/NE	26.9	37.8	26.9	8.5	83.6	6.9	6.2	3.4	NE /57.9%
5	2018/04	720(100%)	4.8	3.1/ENE	20.2/ENE	51.8	26.5	15.7	6.0	57.2	6.7	19.7	16.4	ENE/30.1%
6	2018/05	744(100%)	4.4	.7/WSW	13.4/NNE	41.3	46.0	12.8	.0	26.9	3.4	54.7	15.1	SW /15.1%
7	2018/06	720(100%)	5.6	1.2/ENE	18.8/NNE	33.5	40.8	23.6	2.1	44.7	15.8	32.2	7.2	NNE/31.8%
8	2018/07	744(100%)	4.3	1.7/SSW	12.7/SSW	41.0	51.3	7.7	.0	23.3	22.8	40.9	13.0	S /27.3%
9	2018/08	744(100%)	5.0	3.5/SSW	15.0/S	34.0	47.4	18.4	.1	14.1	28.8	46.9	10.2	S /41.1%
10	2018/09	720(100%)	6.4	4.6/NNE	18.0/NE	39.2	28.6	15.8	16.4	59.0	6.7	22.5	11.8	NNE/35.8%
11	2018/10	744(100%)	9.5	9.4/NE	18.5/NE	5.8	26.7	54.8	12.6	98.5	.0	.7	.8	NNE/52.0%
12	2018/11	720(100%)	7.5	7.4/NE	19.6/NNE	14.9	39.0	38.3	7.8	93.8	2.2	1.1	2.9	NNE/50.4%
13	2018/冬	2160(100%)	10.4	10.2/NE	22.0/NE	7.5	23.8	40.6	28.1	96.7	1.5	1.1	.7	NE /61.7%
14	2018/春	2208(100%)	5.2	2.8/NE	20.2/ENE	39.9	36.9	18.5	4.8	55.9	5.6	26.9	11.5	NE /27.3%
15	2018/夏	2208(100%)	4.9	1.5/S	18.8/NNE	36.2	46.6	16.5	.7	27.2	22.6	40.1	10.2	S /30.7%
16	2018/秋	2184(100%)	7.8	7.1/NNE	19.6/NNE	19.8	31.4	36.5	12.3	83.9	2.9	8.0	5.1	NNE/46.2%
17	2018/年	8760(100%)	7.1	4.7/NE	22.0/NE	25.9	34.7	27.9	11.4	65.7	8.2	19.2	6.9	NE /32.0%

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

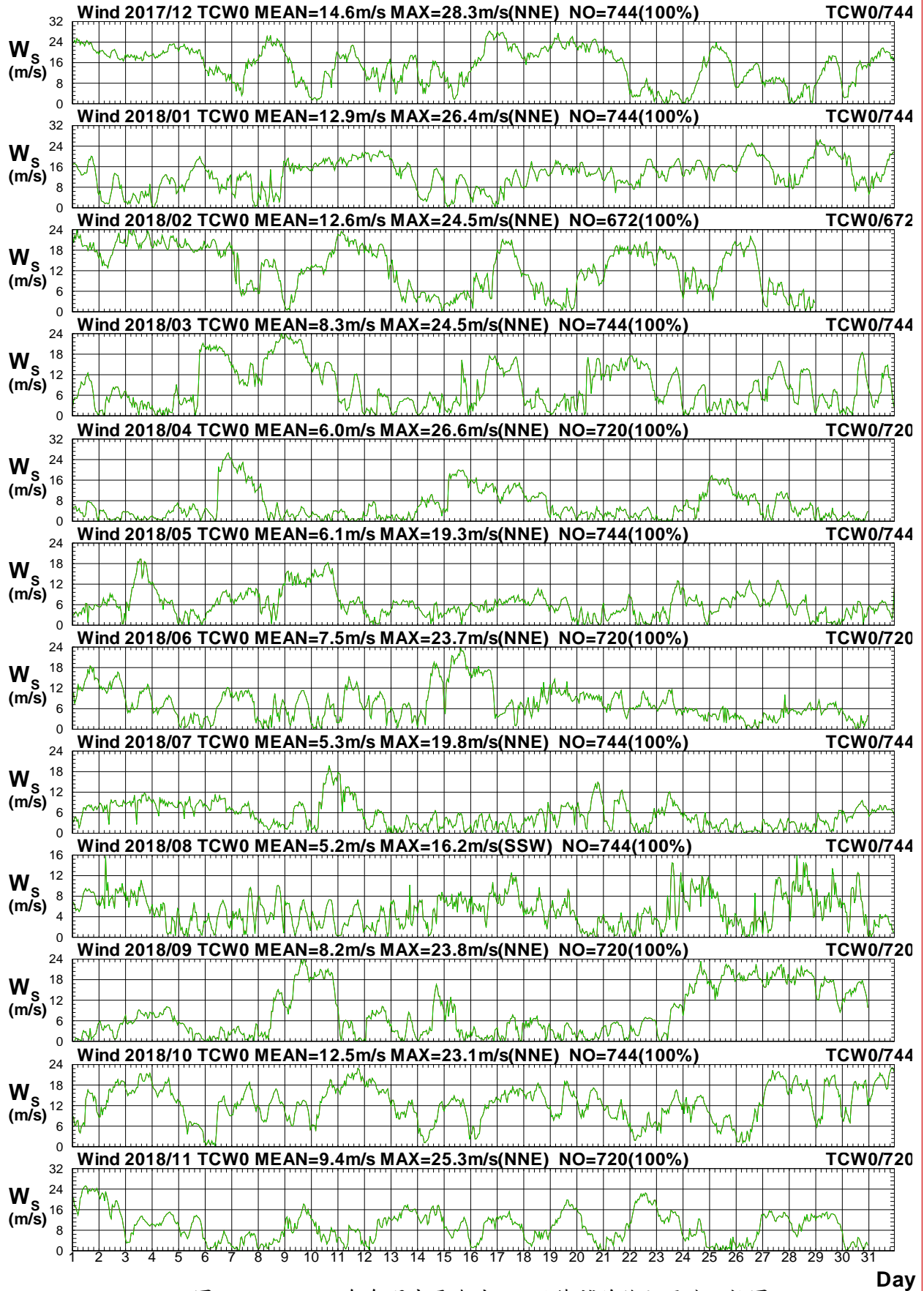


圖1.1.1a 2018年每月中雲海域 W 站修補前後之風速比較圖

Wind Direction in Chung-Yun Seas of TCW0 at 2018

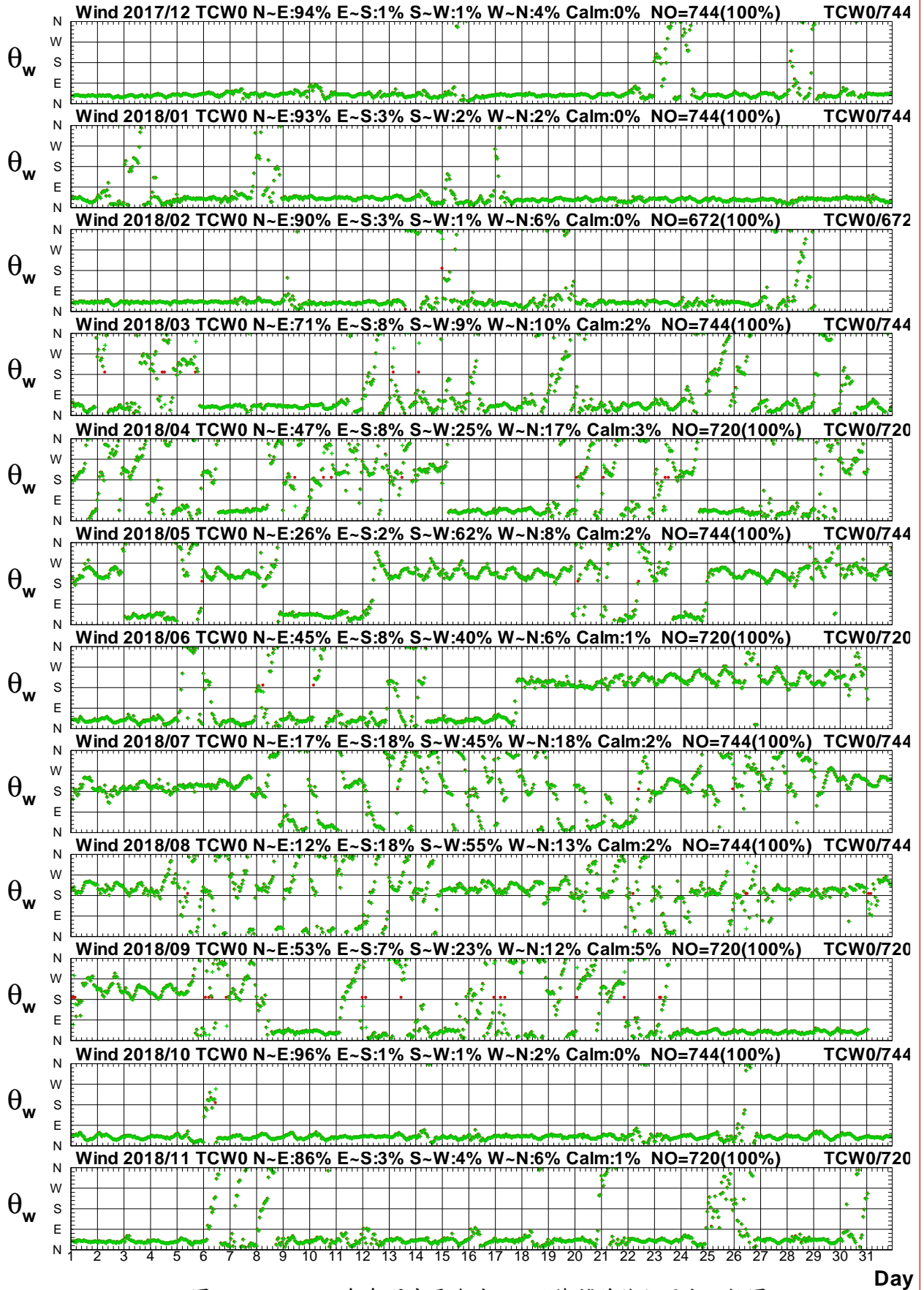


圖1.1.1b 2018年每月中雲海域 W 站修補前後之風向比較圖

W17TCW0.1HA W17CTCW0.1H0 W181TCW0.1HA W181TCW0.1H0 W182TCW0.1HA W182TCW0.1H0
 W183TCW0.1HA W183TCW0.1H0 W184TCW0.1HA W184TCW0.1H0 W185TCW0.1HA W185TCW0.1H0

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Wind Speed in Chung-Yun Seas of TCI0 at 2018

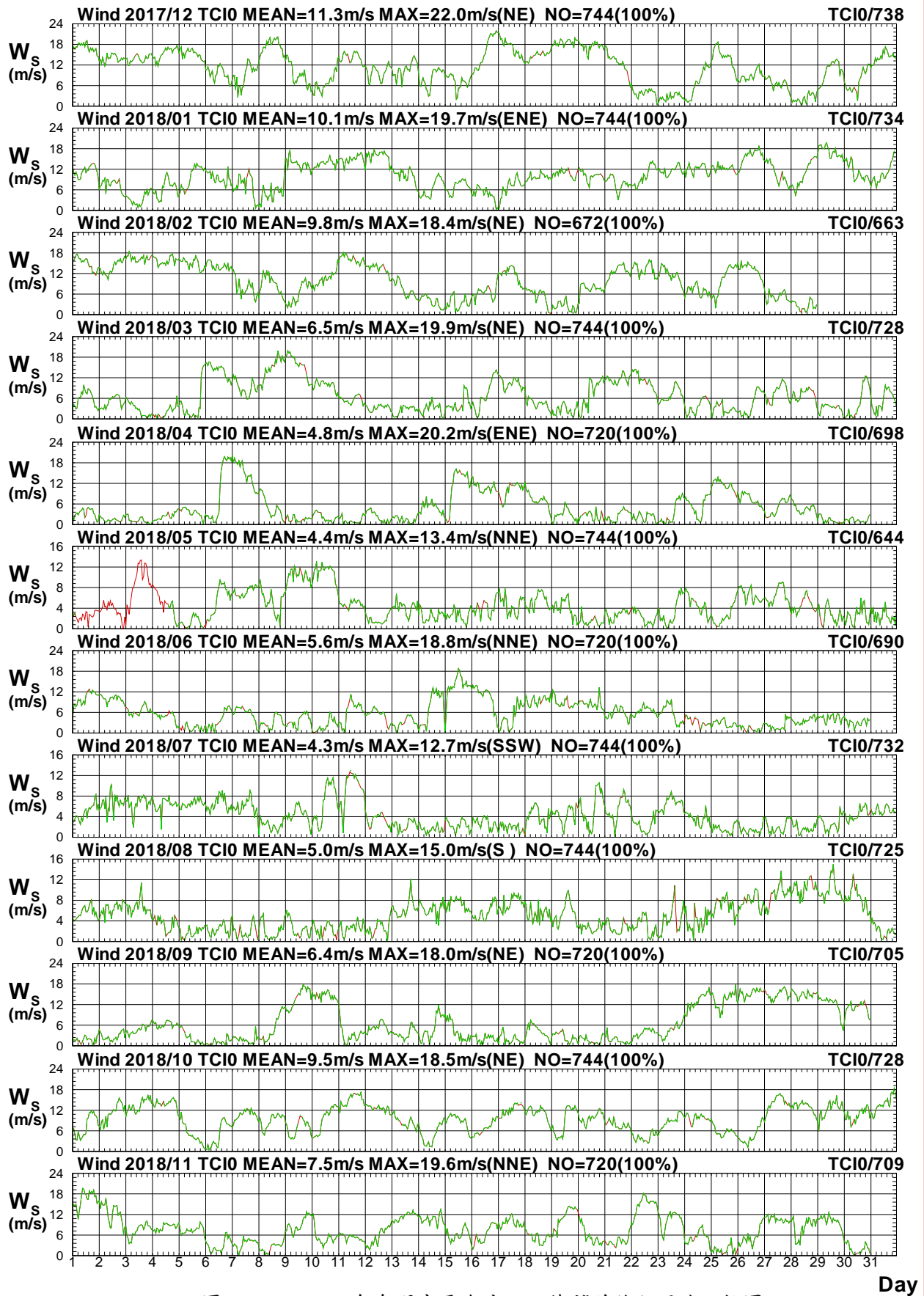


圖1.1.2a 2018年每月中雲海域 I 站修補前後之風速比較圖

W17CTCI0.1HA W17CTCI0.1H0 W181TCI0.1HA W181TCI0.1H0 W182TCI0.1HA W182TCI0.1H0
 W183TCI0.1HA W183TCI0.1H0 W184TCI0.1HA W184TCI0.1H0 W185TCI0.1HA W185TCI0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

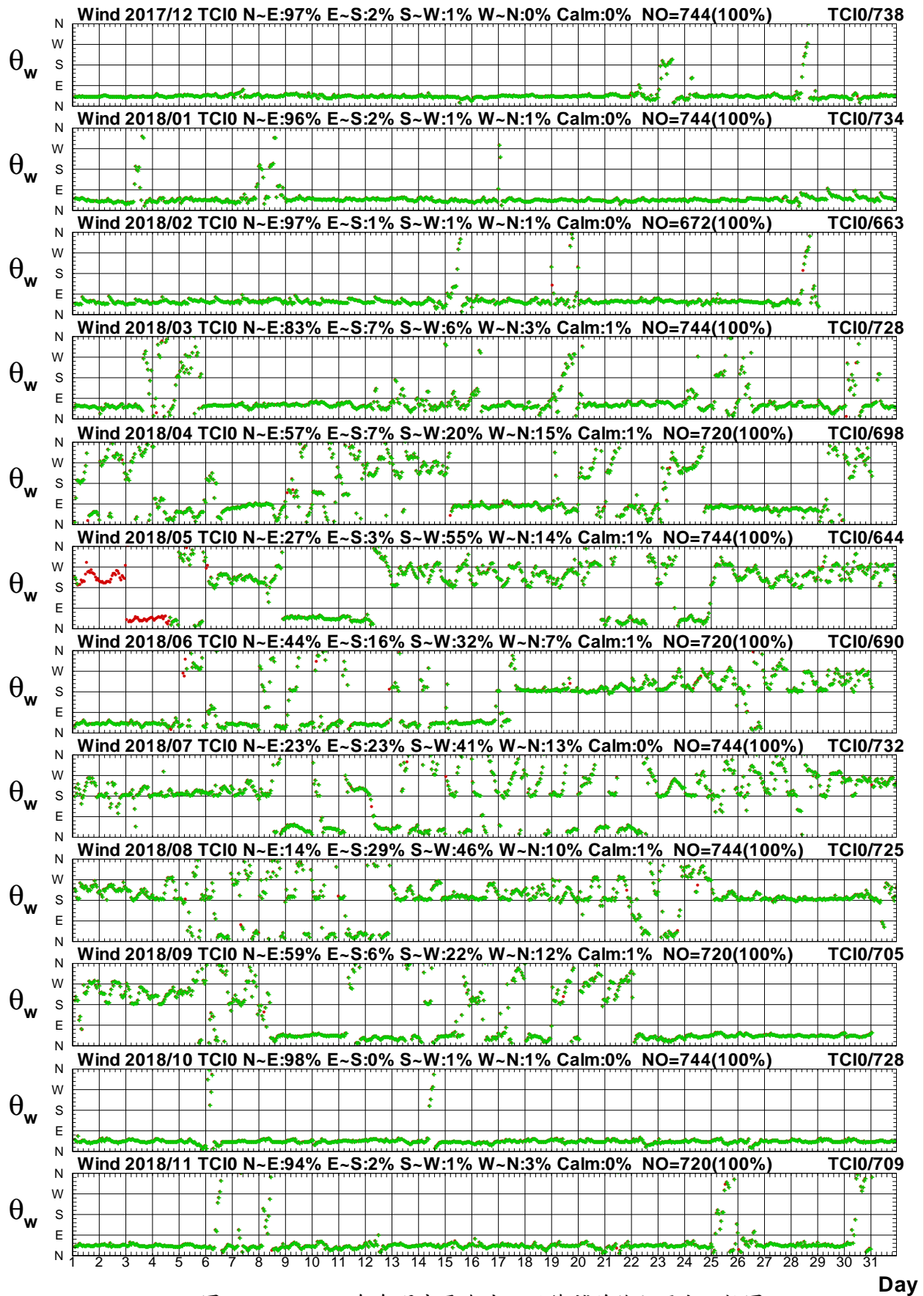


圖1.1.2b 2018年每月中雲海域 I 站修補前後之風向比較圖

W17CTCI0.1HA W17CTCI0.1H0 W181TCI0.1HA W181TCI0.1H0 W182TCI0.1HA W182TCI0.1H0
 W183TCI0.1HA W183TCI0.1H0 W184TCI0.1HA W184TCI0.1H0 W185TCI0.1HA W185TCI0.1H0

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Distribution of Wind Vectors

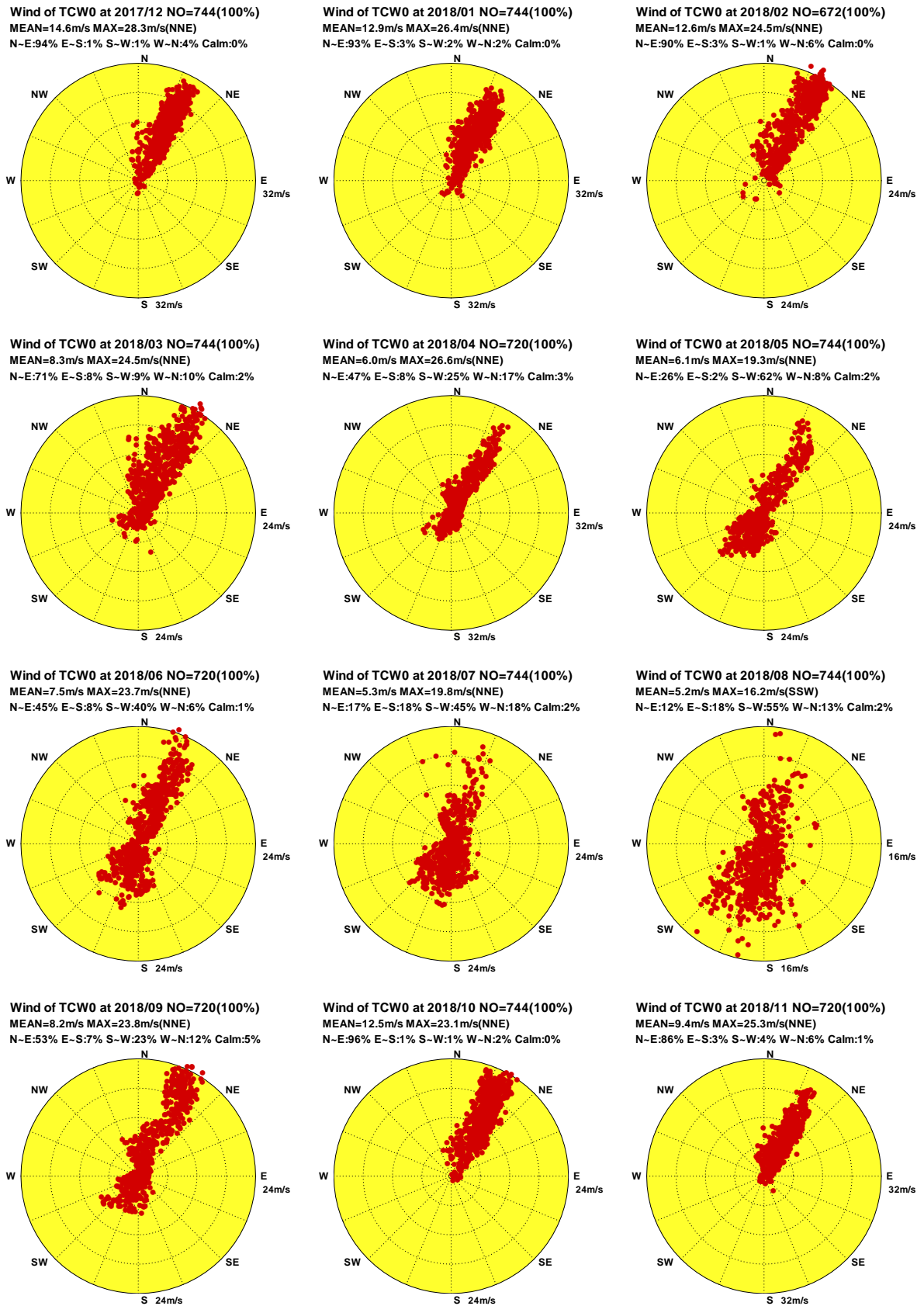


圖1.1.3 2018年中雲海域每月 W 站修補後觀測風力向量分佈圖

W17TCW0.1HA W181TCW0.1HA W182TCW0.1HA W183TCW0.1HA W184TCW0.1HA W185TCW0.1HA
 W186TCW0.1HA W187TCW0.1HA W188TCW0.1HA W189TCW0.1HA W18ATCW0.1HA W18BTCW0.1HA

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Distribution of Wind Vectors

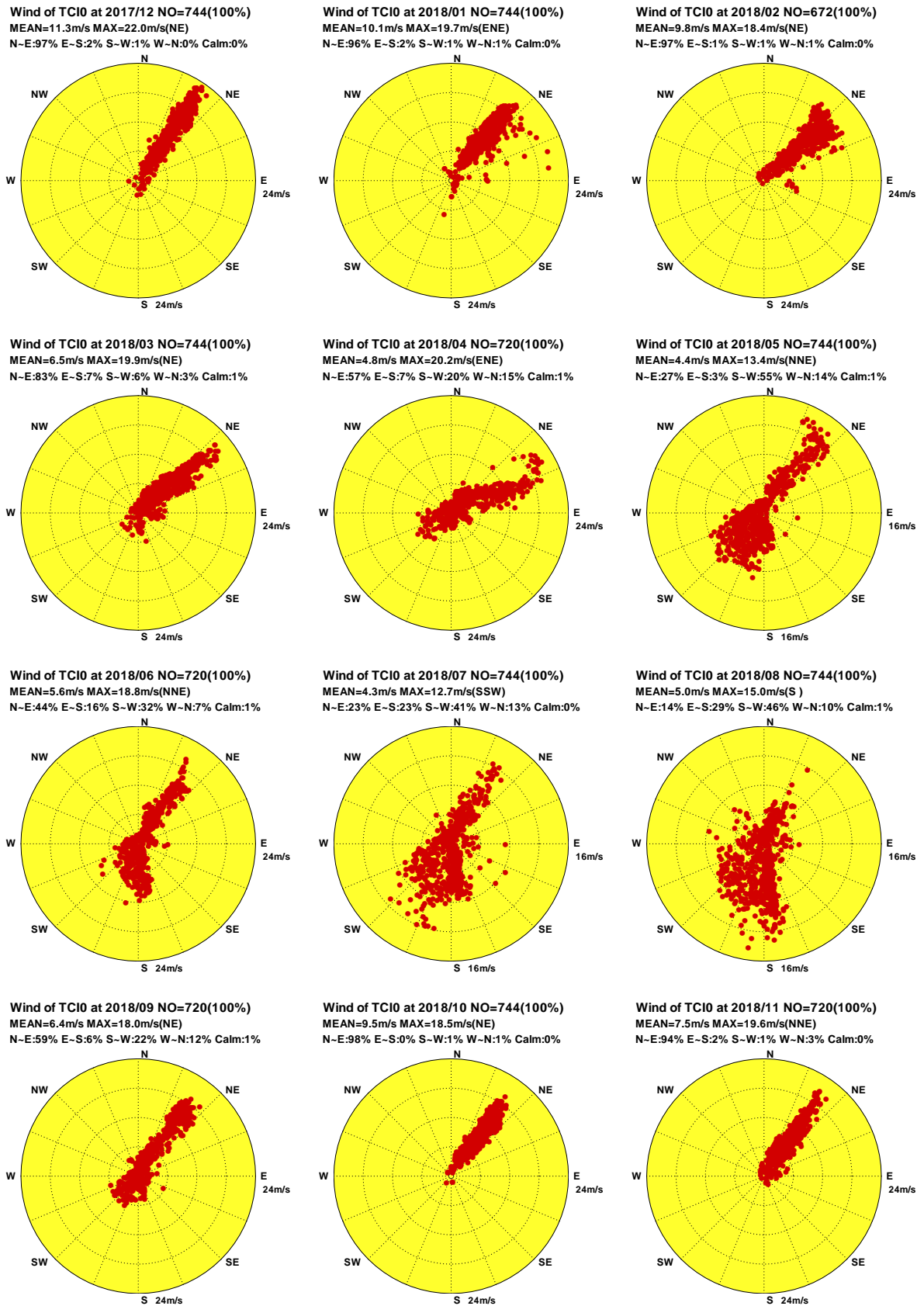


圖1.1.4 2018年中雲海域每月 I 站修補後觀測風力向量分佈圖

W17CTCIO.1HA W181TCIO.1HA W182TCIO.1HA W183TCIO.1HA W184TCIO.1HA W185TCIO.1HA
W186TCIO.1HA W187TCIO.1HA W188TCIO.1HA W189TCIO.1HA W18ATCIO.1HA W18BTCIO.1HA

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Progressive Vector Diagram of Wind

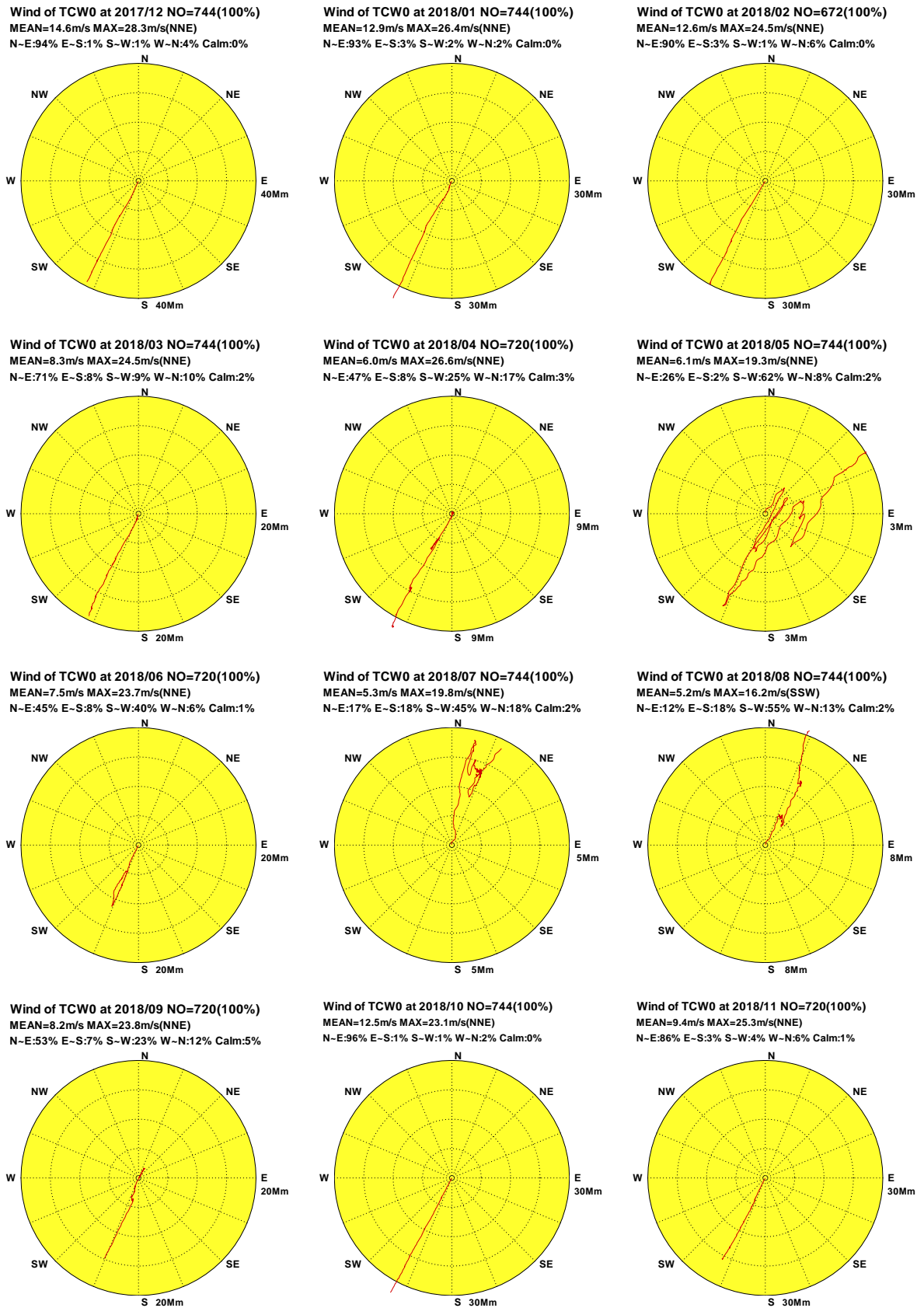


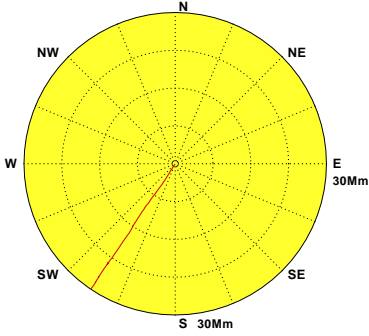
圖1.1.5 2018年中雲海域每月 W 站修補後觀測風力向量行進圖

W17TCW0.1HA W181TCW0.1HA W182TCW0.1HA W183TCW0.1HA W184TCW0.1HA W185TCW0.1HA
W186TCW0.1HA W187TCW0.1HA W188TCW0.1HA W189TCW0.1HA W18ATCW0.1HA W18BTCW0.1HA

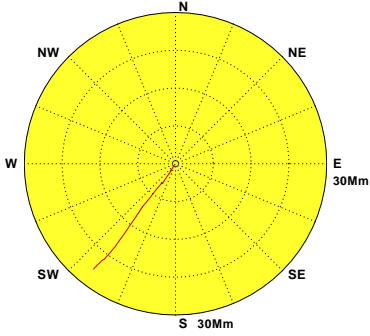
Institute of Harbor & Marine Technology

Progressive Vector Diagram of Wind

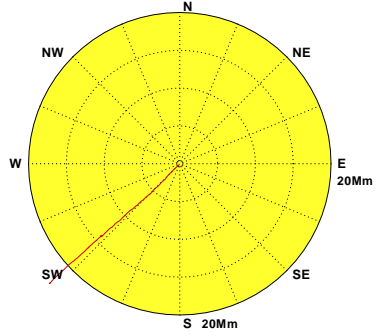
Wind of TCI0 at 2017/12 NO=744(100%)
MEAN=11.3m/s MAX=22.0m/s(NE)
N-E:97% E-S:2% S-W:1% W-N:0% Calm:0%



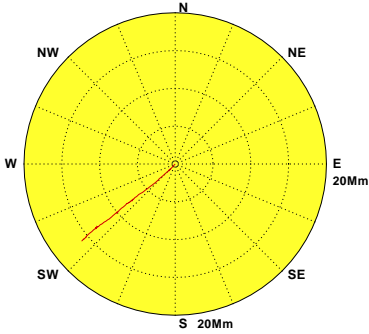
Wind of TCI0 at 2018/01 NO=744(100%)
MEAN=10.1m/s MAX=19.7m/s(ENE)
N-E:96% E-S:2% S-W:1% W-N:1% Calm:0%



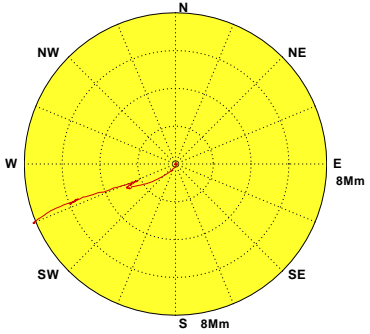
Wind of TCI0 at 2018/02 NO=672(100%)
MEAN=9.8m/s MAX=18.4m/s(NE)
N-E:97% E-S:1% S-W:1% W-N:1% Calm:0%



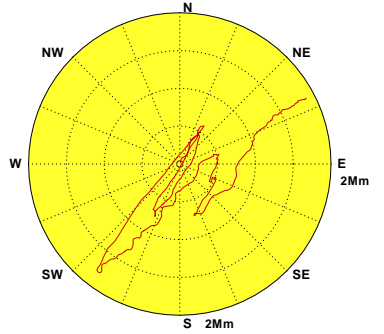
Wind of TCI0 at 2018/03 NO=744(100%)
MEAN=6.5m/s MAX=19.9m/s(NE)
N-E:83% E-S:7% S-W:6% W-N:3% Calm:1%



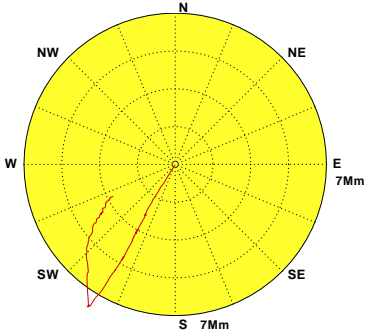
Wind of TCI0 at 2018/04 NO=720(100%)
MEAN=4.8m/s MAX=20.2m/s(ENE)
N-E:57% E-S:7% S-W:20% W-N:15% Calm:1%



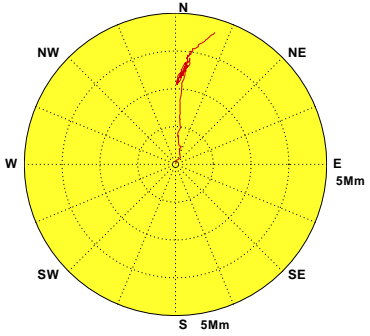
Wind of TCI0 at 2018/05 NO=744(100%)
MEAN=4.4m/s MAX=13.4m/s(NNE)
N-E:27% E-S:3% S-W:55% W-N:14% Calm:1%



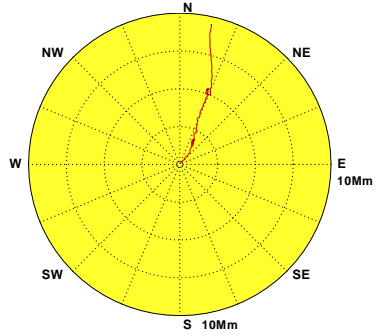
Wind of TCI0 at 2018/06 NO=720(100%)
MEAN=5.6m/s MAX=18.8m/s(NNE)
N-E:44% E-S:16% S-W:32% W-N:7% Calm:1%



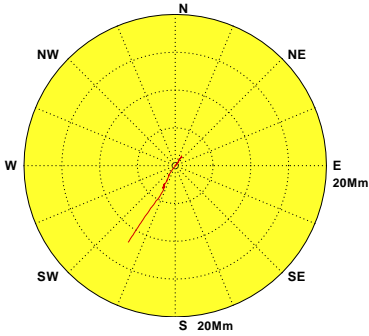
Wind of TCI0 at 2018/07 NO=744(100%)
MEAN=4.3m/s MAX=12.7m/s(SSW)
N-E:23% E-S:23% S-W:41% W-N:13% Calm:0%



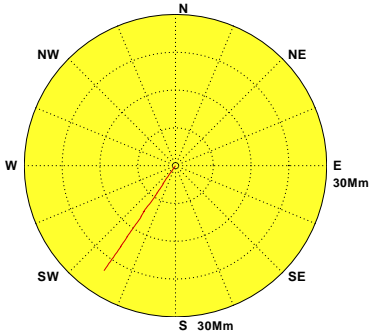
Wind of TCI0 at 2018/08 NO=744(100%)
MEAN=5.0m/s MAX=15.0m/s(S)
N-E:14% E-S:29% S-W:46% W-N:10% Calm:1%



Wind of TCI0 at 2018/09 NO=720(100%)
MEAN=6.4m/s MAX=18.0m/s(NE)
N-E:59% E-S:6% S-W:22% W-N:12% Calm:1%



Wind of TCI0 at 2018/10 NO=744(100%)
MEAN=9.5m/s MAX=18.5m/s(NE)
N-E:98% E-S:0% S-W:1% W-N:1% Calm:0%



Wind of TCI0 at 2018/11 NO=720(100%)
MEAN=7.5m/s MAX=19.6m/s(NNE)
N-E:94% E-S:2% S-W:1% W-N:3% Calm:0%

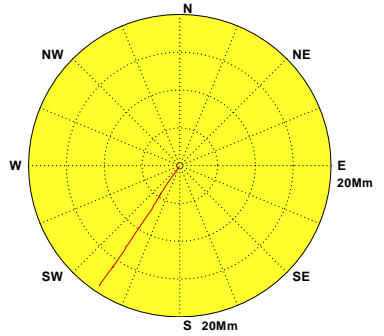


圖1.1.6 2018年中雲海域每月I站修補後觀測風力向量行進圖

W17CTCI0.1HA W181TCI0.1HA W182TCI0.1HA W183TCI0.1HA W184TCI0.1HA W185TCI0.1HA
W186TCI0.1HA W187TCI0.1HA W188TCI0.1HA W189TCI0.1HA W18ATCI0.1HA W18BTCI0.1HA

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1.2 2018 年中雲海域各測站修補前 風力統計量統計表

表1.2.1 2018年中雲海域 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	744(100%)	14.6	14.4/NNE	28.3/NNE	9.1	11.8	20.7	58.3	93.5	1.2	1.3	3.9	NNE/71.6%
2	2018/01	744(100%)	12.9	12.5/NNE	26.4/NNE	7.1	13.2	33.1	46.6	93.4	2.7	2.0	1.9	NNE/67.3%
3	2018/02	672(100%)	12.6	12.3/NNE	24.5/NNE	11.2	18.8	21.6	48.5	90.3	2.5	.9	6.3	NNE/59.4%
4	2018/03	744(100%)	8.3	7.2/NNE	24.5/NNE	25.4	31.0	21.4	22.2	71.4	8.3	9.3	11.0	NNE/34.9%
5	2018/04	720(100%)	6.0	3.7/NNE	26.6/NNE	42.5	29.9	15.3	12.4	48.1	8.1	25.3	18.6	NNE/24.4%
6	2018/05	744(100%)	6.1	1.1/WSW	19.3/NNE	21.4	53.4	19.6	5.6	26.2	2.3	62.9	8.6	SSW/25.1%
7	2018/06	720(100%)	7.5	1.9/NNE	23.7/NNE	17.9	41.8	29.3	11.0	45.4	7.6	40.3	6.7	NNE/30.1%
8	2018/07	744(100%)	5.3	1.7/SSW	19.8/NNE	36.6	37.8	23.1	2.6	17.2	18.4	45.8	18.5	SSW/18.1%
9	2018/08	744(100%)	5.2	3.1/SSW	16.2/SSW	30.6	48.8	19.6	.9	12.9	18.1	55.6	13.3	SSW/26.5%
10	2018/09	720(100%)	8.2	5.7/NNE	23.8/NNE	33.8	25.8	13.5	26.9	55.3	7.6	23.1	14.0	NNE/38.2%
11	2018/10	744(100%)	12.5	12.4/NNE	23.1/NNE	5.1	15.3	35.8	43.8	96.2	.8	.9	2.0	NNE/66.8%
12	2018/11	720(100%)	9.4	9.0/NNE	25.3/NNE	19.3	24.2	34.7	21.8	86.5	3.2	3.8	6.5	NNE/52.2%
13	2018/冬	2160(100%)	13.4	13.1/NNE	28.3/NNE	9.1	14.4	25.2	51.3	92.5	2.1	1.4	3.9	NNE/66.3%
14	2018/春	2208(100%)	6.8	3.3/NNE	26.6/NNE	29.6	38.2	18.8	13.4	48.6	6.2	32.6	12.7	NNE/24.6%
15	2018/夏	2208(100%)	6.0	1.0/SSW	23.7/NNE	28.5	42.8	24.0	4.8	25.0	14.8	47.3	12.9	SSW/20.5%
16	2018/秋	2184(100%)	10.1	9.1/NNE	25.3/NNE	19.2	21.7	28.1	31.0	79.5	3.8	9.2	7.5	NNE/52.6%
17	2018/年	8760(100%)	9.0	6.1/NNE	28.3/NNE	21.7	29.4	24.0	24.9	61.2	6.8	22.8	9.3	NNE/39.4%

1-2-1

表1.2.2 2018年中雲海域 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	738(99%)	11.3	11.2/NE	22.0/NE	8.0	19.9	34.8	37.3	97.0	1.6	1.1	.3	NNE/52.4%
2	2018/01	734(99%)	10.1	9.9/NE	19.7/ENE	4.4	23.6	53.1	18.9	96.6	1.6	1.1	.7	NE /62.8%
3	2018/02	663(99%)	9.8	9.7/NE	18.4/NE	10.3	29.0	32.7	28.1	96.7	1.1	.9	1.4	NE /80.5%
4	2018/03	728(98%)	6.5	6.0/NE	19.9/NE	26.9	37.6	27.1	8.4	83.7	7.0	6.0	3.3	NE /57.8%
5	2018/04	698(97%)	4.8	3.1/ENE	20.2/ENE	51.4	26.9	15.6	6.0	57.0	6.4	20.1	16.5	ENE/30.1%
6	2018/05	644(87%)	4.3	1.0/SW	13.1/NE	42.5	45.8	11.6	.0	24.5	3.7	55.0	16.8	W /15.5%
7	2018/06	690(96%)	5.6	1.3/ENE	18.8/NNE	32.8	41.2	23.9	2.2	44.9	16.1	31.9	7.1	NNE/31.7%
8	2018/07	732(98%)	4.2	1.7/SSW	12.7/SSW	41.1	51.5	7.4	.0	23.2	23.1	40.6	13.1	S /27.6%
9	2018/08	725(97%)	5.0	3.6/SSW	15.0/S	33.7	47.9	18.3	.1	14.1	28.6	47.3	10.1	S /41.1%
10	2018/09	705(98%)	6.4	4.6/NNE	18.0/NE	39.4	28.7	15.7	16.2	59.0	6.4	22.7	11.9	NNE/36.0%
11	2018/10	728(98%)	9.5	9.4/NE	18.5/NE	5.8	27.2	54.5	12.5	98.5	.0	.7	.8	NNE/52.5%
12	2018/11	709(99%)	7.6	7.4/NE	19.6/NNE	14.4	38.9	38.8	7.9	93.9	2.3	1.1	2.7	NNE/50.4%
13	2018/冬	2135(99%)	10.4	10.2/NE	22.0/NE	7.4	24.0	40.5	28.1	96.8	1.5	1.0	.7	NE /61.6%
14	2018/春	2070(94%)	5.2	2.8/NE	20.2/ENE	40.0	36.6	18.4	5.0	56.3	5.8	26.0	11.9	NE /27.7%
15	2018/夏	2147(97%)	5.0	1.5/S	18.8/NNE	35.9	46.9	16.4	.7	27.1	22.7	40.1	10.2	S /30.9%
16	2018/秋	2142(98%)	7.8	7.1/NNE	19.6/NNE	19.7	31.6	36.6	12.2	84.0	2.8	8.1	5.1	NNE/46.4%
17	2018/年	8494(97%)	7.1	4.7/NE	22.0/NE	25.7	34.8	28.0	11.5	66.1	8.2	18.8	6.9	NE /32.3%

1-2-2

表1.2.3 2018年中雲海域 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%)	6.4	6.2/N	15.1/N	21.8	42.2	35.5	.5	58.1	3.2	.5	38.2	N /77.2%
2	2018/01	744(100%)	5.6	5.3/N	16.0/N	21.1	59.5	19.1	.3	51.1	5.5	1.1	42.3	N /75.1%
3	2018/02	672(100%)	5.7	5.4/N	13.2/N	27.1	47.2	25.7	.0	56.1	3.3	.6	40.0	N /76.3%
4	2018/03	744(100%)	4.2	3.4/N	12.9/N	47.8	39.5	12.6	.0	42.6	14.0	4.4	39.0	N /44.1%
5	2018/04	720(100%)	3.4	1.9/NNW	12.5/N	56.3	38.2	5.6	.0	29.3	24.3	9.2	37.2	N /33.1%
6	2018/05	744(100%)	3.6	1.1/WSW	11.3/NNW	47.7	49.7	2.6	.0	16.4	29.2	34.9	19.5	N /18.1%
7	2018/06	720(100%)	4.0	1.1/NNW	13.7/NNW	43.3	50.6	6.1	.0	20.8	33.2	15.4	30.6	N /27.9%
8	2018/07	744(100%)	3.4	.5/SSW	13.4/NNW	53.0	44.8	2.3	.0	7.8	47.7	17.6	26.9	SE /24.9%
9	2018/08	744(100%)	3.1	1.1/S	9.1/SSE	56.7	42.3	.9	.0	8.1	56.0	18.1	17.7	SE /27.7%
10	2018/09	720(100%)	4.4	2.9/N	14.4/N	45.7	37.9	16.1	.3	36.3	20.6	11.1	32.1	N /43.1%
11	2018/10	744(100%)	5.6	5.4/N	13.3/N	20.0	59.4	20.6	.0	57.5	1.5	.1	40.9	N /77.2%
12	2018/11	720(100%)	4.2	3.9/N	12.4/N	39.9	50.6	9.6	.0	51.0	6.4	1.3	41.4	N /63.8%
13	2018/冬	2160(100%)	5.9	5.7/N	16.0/N	23.2	49.7	26.8	.3	55.0	4.0	.7	40.2	N /76.2%
14	2018/春	2208(100%)	3.7	1.7/NNW	12.9/N	50.5	42.5	6.9	.0	29.4	22.5	16.3	31.8	N /31.7%
15	2018/夏	2208(100%)	3.5	.2/SSW	13.7/NNW	51.1	45.8	3.1	.0	12.1	45.8	17.1	25.0	SE /23.8%
16	2018/秋	2184(100%)	4.7	4.1/N	14.4/N	35.0	49.4	15.5	.1	48.4	9.4	4.1	38.1	N /61.5%
17	2018/年	8760(100%)	4.4	2.8/N	16.0/N	40.1	46.8	13.0	.1	36.1	20.5	9.6	33.7	N /45.5%

1-2-3

表1.2.4 2018年中雲海域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%)	8.5	8.3/NNE	19.4/NNE	19.9	24.2	40.7	15.2	91.5	3.6	.9	3.9	NNE/75.7%
2	2018/01	744(100%)	7.1	6.9/NNE	17.6/NNE	18.4	39.1	38.2	4.3	88.6	5.6	1.9	3.9	NNE/72.3%
3	2018/02	672(100%)	7.3	7.1/NNE	17.0/NNE	24.3	27.2	45.2	3.3	89.3	3.6	.7	6.4	NNE/72.9%
4	2018/03	744(100%)	4.7	3.9/NNE	16.2/NNE	47.8	32.5	18.1	1.5	66.1	12.5	7.5	13.8	NNE/39.4%
5	2018/04	720(100%)	3.6	2.1/NNE	16.5/NNE	62.4	27.8	8.1	1.8	44.3	15.6	17.6	22.5	NNE/28.9%
6	2018/05	744(100%)	3.3	.6/WSW	13.4/NNE	54.7	41.9	3.4	.0	25.4	12.1	52.3	10.2	S /20.0%
7	2018/06	720(100%)	4.0	1.4/NNE	16.7/NNE	50.3	40.4	7.8	1.5	42.1	21.5	26.3	10.1	NNE/30.1%
8	2018/07	744(100%)	2.8	.5/SW	12.6/NNE	67.2	29.7	3.1	.0	15.5	34.3	29.0	21.2	S /21.2%
9	2018/08	744(100%)	2.4	1.0/SSW	7.5/N	76.3	23.7	.0	.0	12.8	40.2	30.8	16.3	S /25.9%
10	2018/09	720(100%)	4.7	3.3/NNE	15.4/NNE	54.6	22.4	20.6	2.5	49.7	14.4	18.9	16.9	NNE/34.0%
11	2018/10	744(100%)	6.5	6.4/NNE	15.3/NNE	19.5	44.9	34.4	1.2	94.5	1.9	.4	3.2	NNE/69.9%
12	2018/11	720(100%)	4.8	4.4/NNE	15.8/NNE	41.3	40.8	16.0	1.9	80.8	7.5	3.5	8.2	NNE/53.3%
13	2018/冬	2160(100%)	7.6	7.4/NNE	19.4/NNE	20.7	30.3	41.3	7.7	89.8	4.3	1.2	4.7	NNE/73.7%
14	2018/春	2208(100%)	3.9	1.9/NNE	16.5/NNE	54.9	34.1	9.9	1.1	45.3	13.4	25.9	15.4	NNE/28.0%
15	2018/夏	2208(100%)	3.1	.0/W	16.7/NNE	64.8	31.2	3.6	.5	23.2	32.1	28.7	15.9	S /21.8%
16	2018/秋	2184(100%)	5.3	4.7/NNE	15.8/NNE	38.2	36.1	23.8	1.9	75.2	7.9	7.5	9.4	NNE/52.6%
17	2018/年	8760(100%)	5.0	3.5/NNE	19.4/NNE	44.8	32.9	19.5	2.8	58.2	14.5	15.9	11.4	NNE/41.7%

1-2-4

1.3 2018 年中雲海域**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 Chung-Yun Seas of TCW0 at 2018

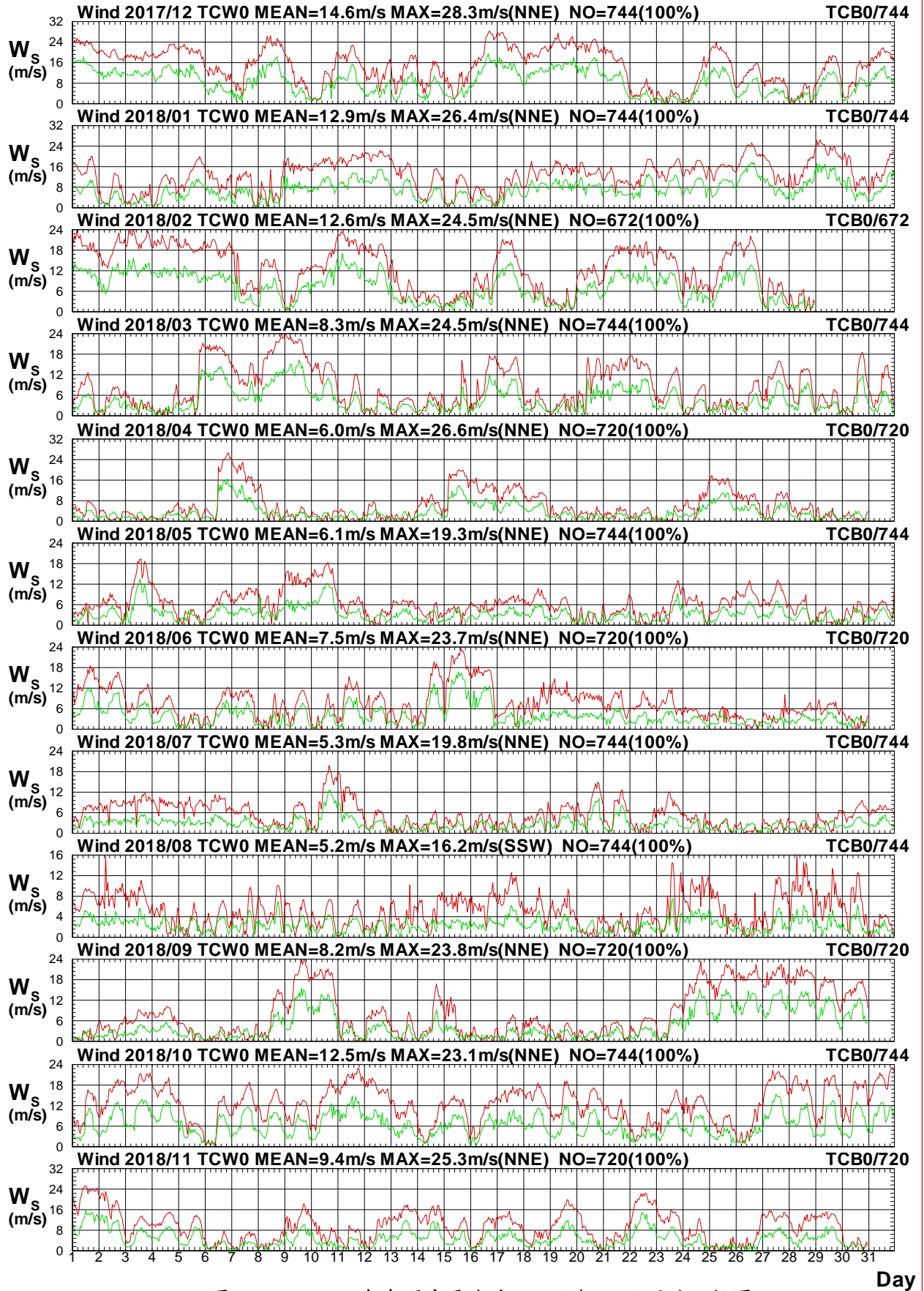


圖1.3.1a 2018年每月中雲海域 W 站與 B 站風速比較圖

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 W183TCW0.1HA W183TCB0.1H0 W184TCW0.1HA W184TCB0.1H0 W185TCW0.1HA W185TCB0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

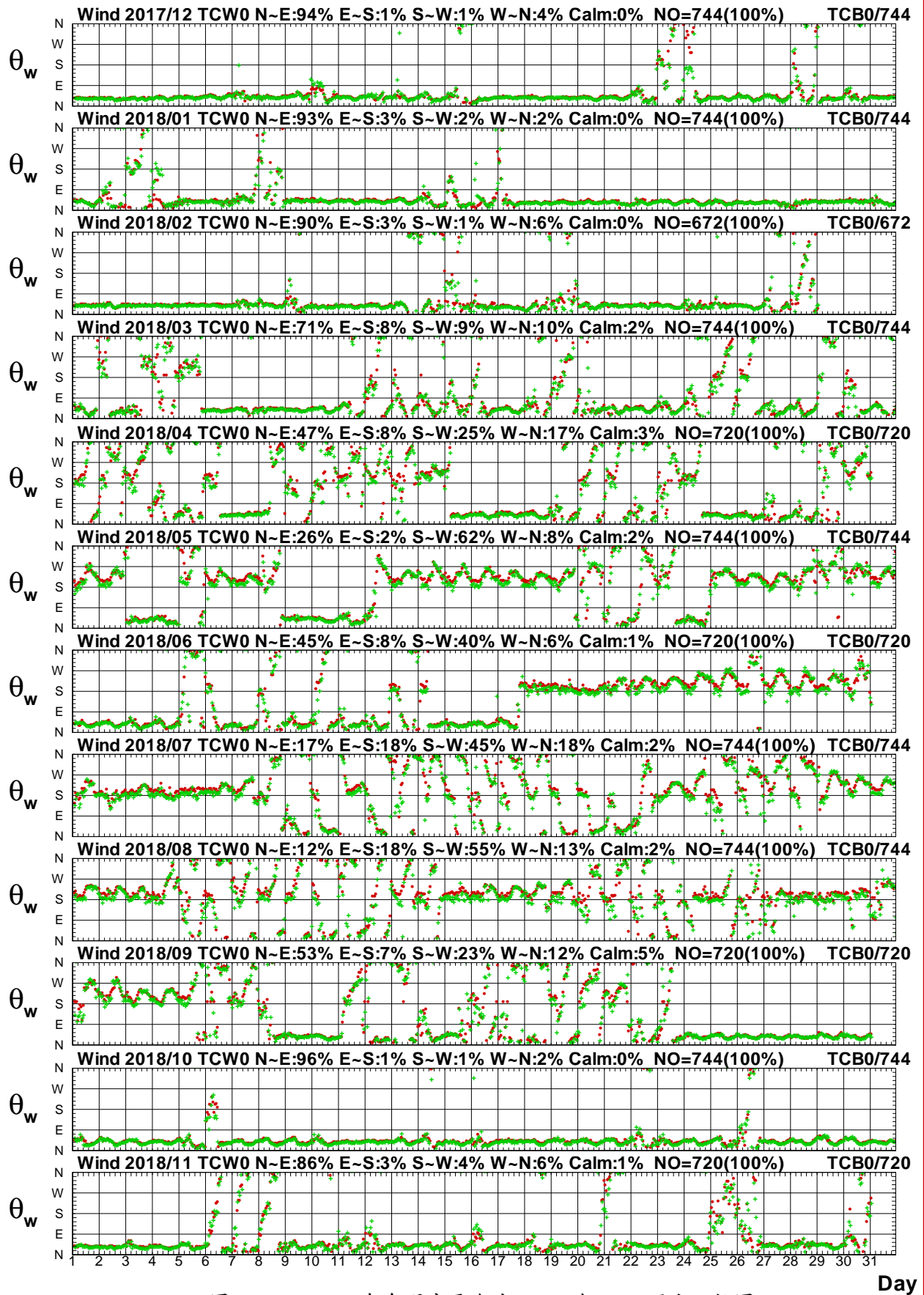


圖1.3.1b 2018年每月中雲海域 W 站與 B 站風向比較圖

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 W183TCW0.1HA W183TCB0.1H0 W184TCW0.1HA W184TCB0.1H0 W185TCW0.1HA W185TCB0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

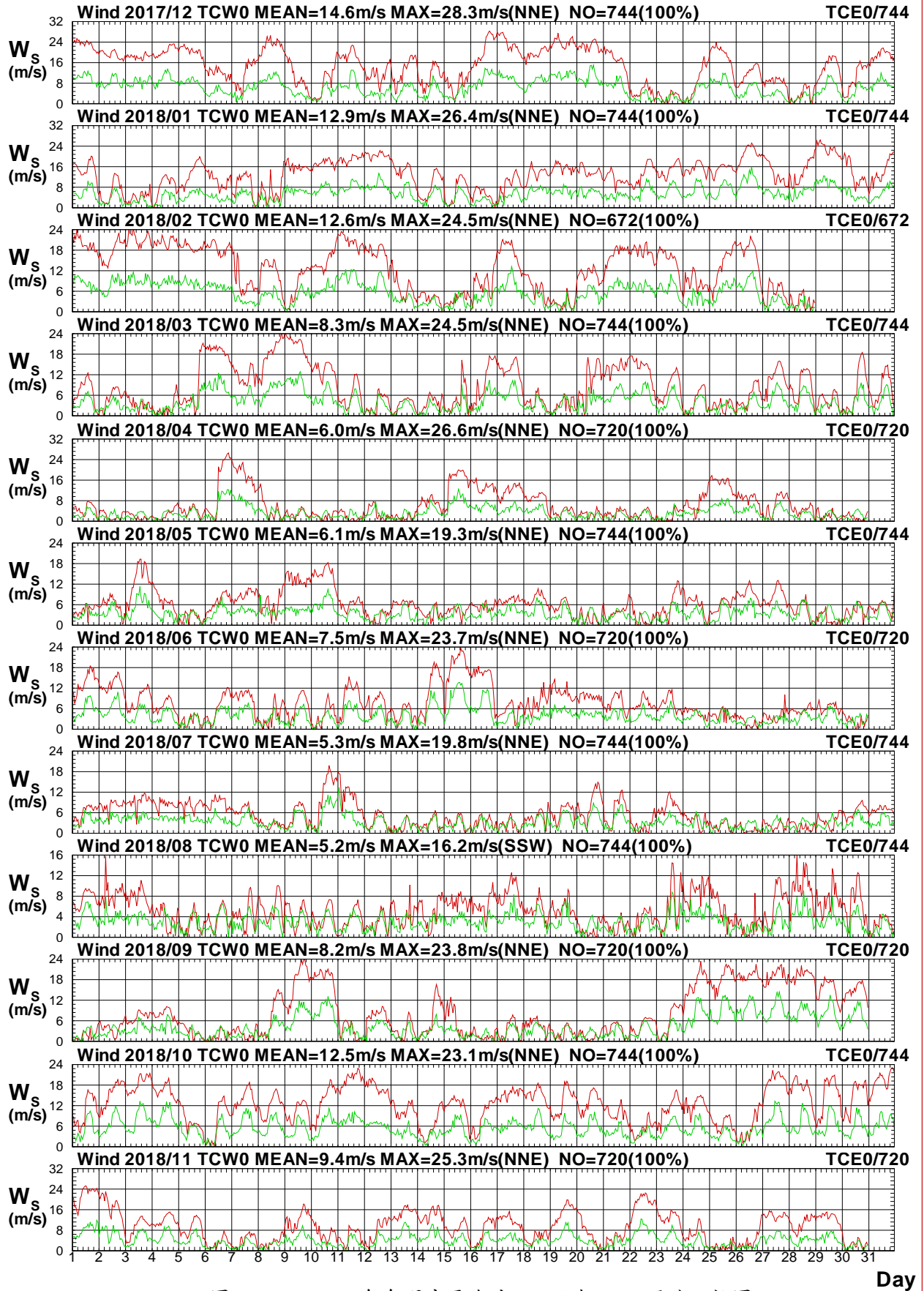


圖1.3.2a 2018年每月中雲海域 W 站與 E 站風速比較圖

W17TCW0.1HA W17CTCE0.1H0 W181TCW0.1HA W181TCE0.1H0 W182TCW0.1HA W182TCE0.1H0
 W183TCW0.1HA W183TCE0.1H0 W184TCW0.1HA W184TCE0.1H0 W185TCW0.1HA W185TCE0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

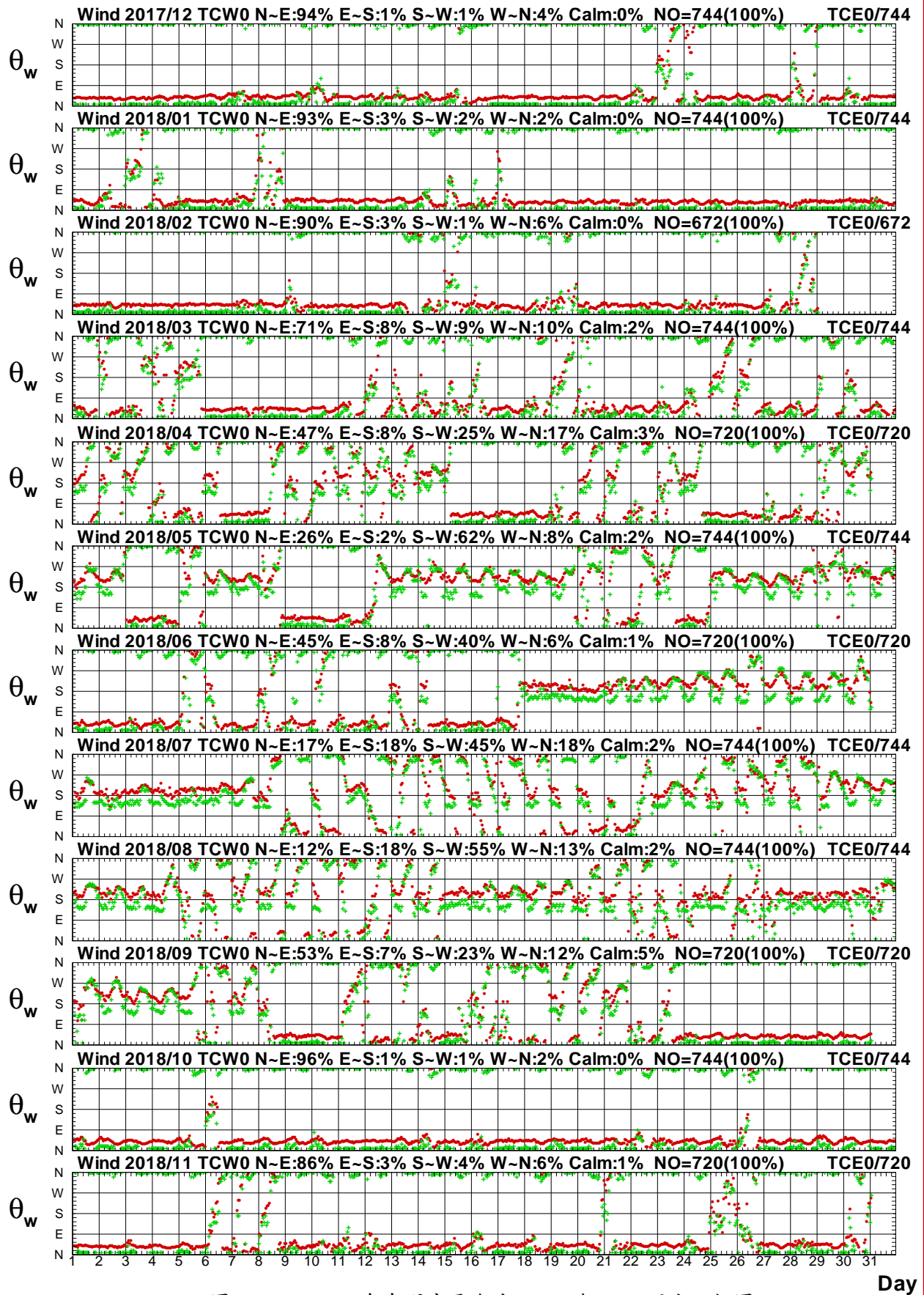


圖1.3.2b 2018年每月中雲海域 W 站與 E 站風向比較圖

W17TCW0.1HA W17CTCE0.1H0 W181TCW0.1HA W181TCE0.1H0 W182TCW0.1HA W182TCE0.1H0
 W183TCW0.1HA W183TCE0.1H0 W184TCW0.1HA W184TCE0.1H0 W185TCW0.1HA W185TCE0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

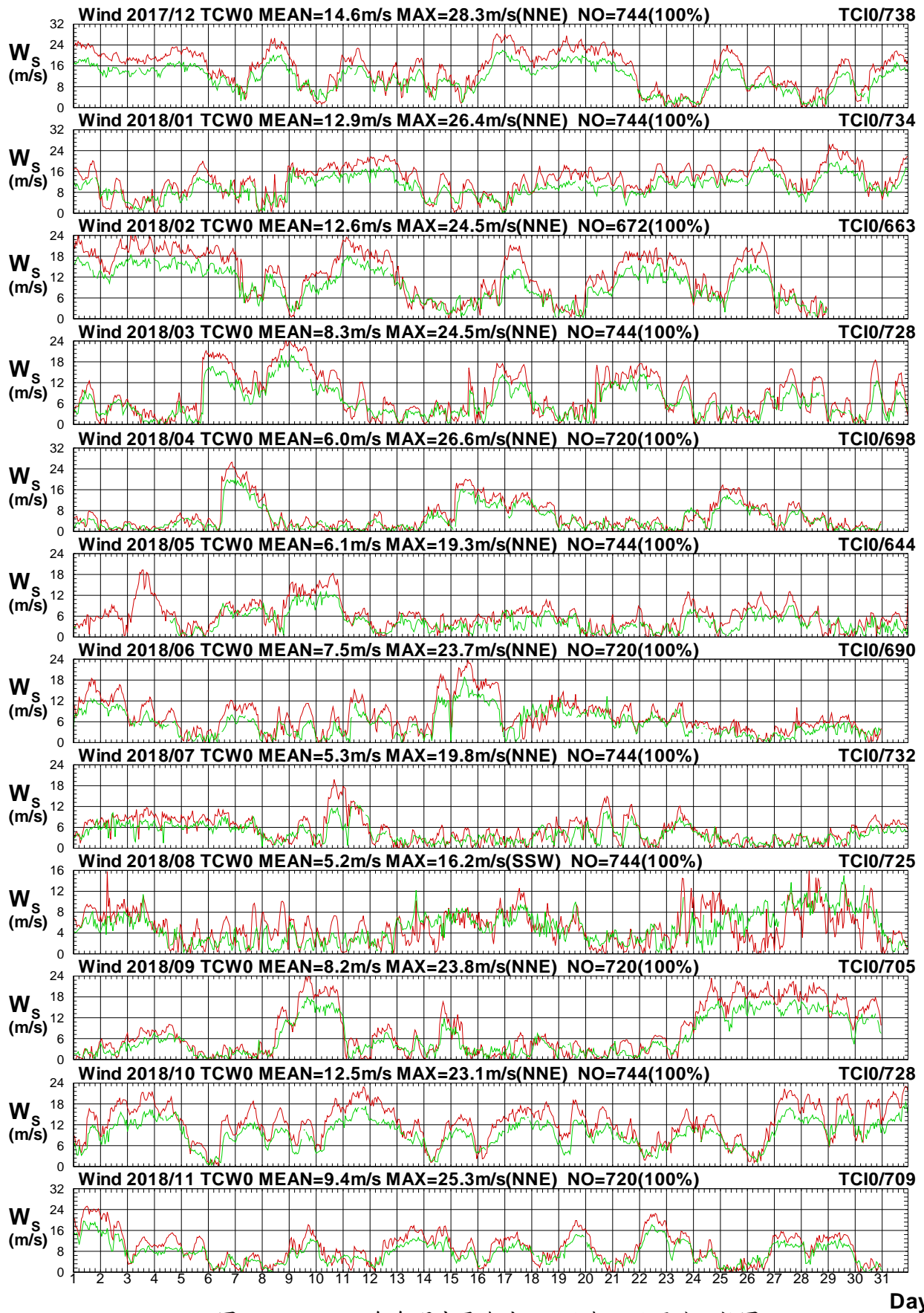


圖1.3.3a 2018年每月中雲海域 W 站與 I 站風速比較圖

W17TCW0.1HA W17TCI0.1H0 W181TCW0.1HA W181TCI0.1H0 W182TCW0.1HA W182TCI0.1H0
 W183TCW0.1HA W183TCI0.1H0 W184TCW0.1HA W184TCI0.1H0 W185TCW0.1HA W185TCI0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

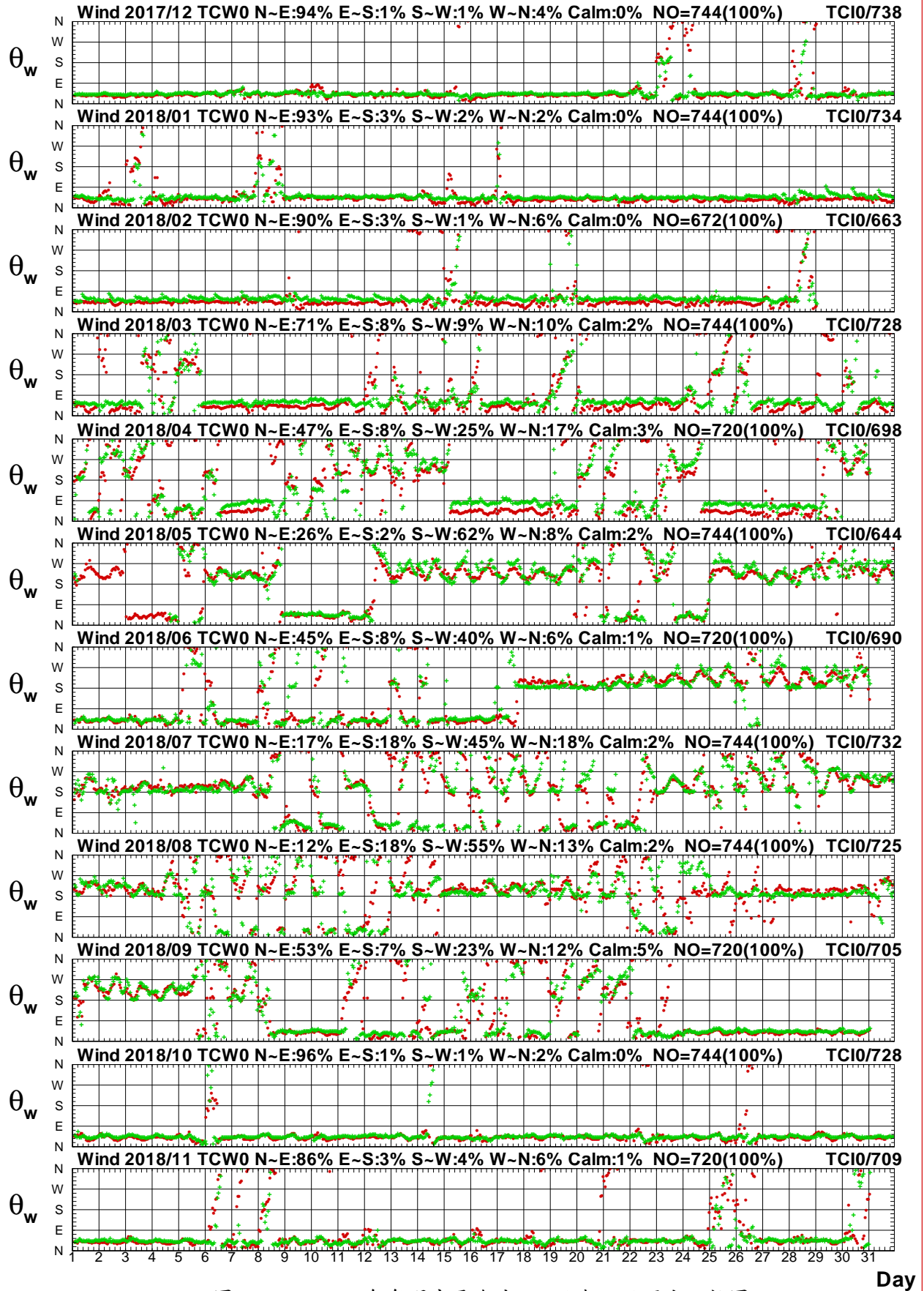


圖1.3.3b 2018年每月中雲海域 W 站與 I 站風向比較圖

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 W183TCW0.1HA W183TCI0.1H0 W184TCW0.1HA W184TCI0.1H0 W185TCW0.1HA W185TCI0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

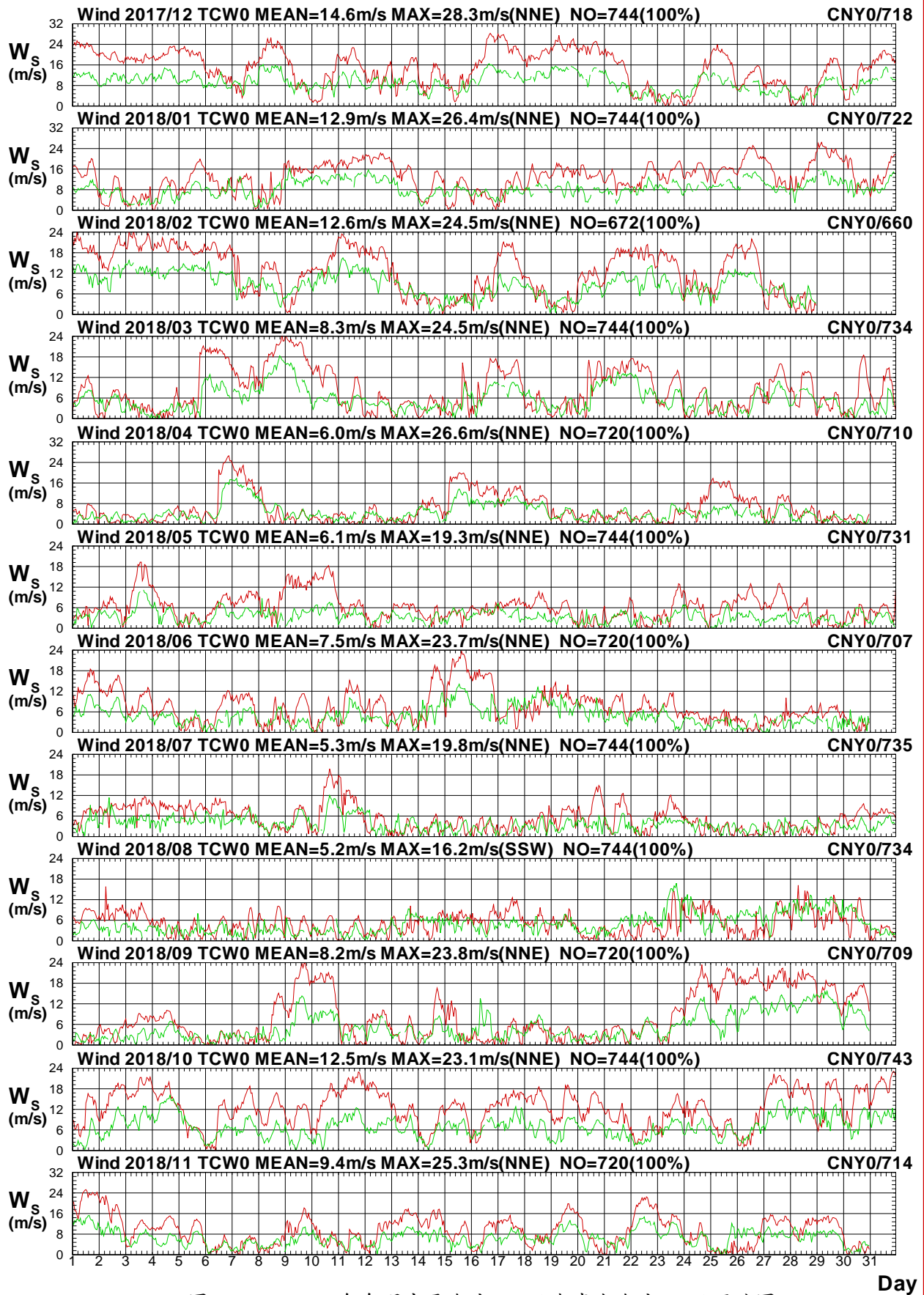


圖1.3.4a 2018年每月中雲海域 W 站與嘉南海域 Y 站風速圖

W17TCW0.1HA W17CCNY0.1H0 W181TCW0.1HA W181CNY0.1H0 W182TCW0.1HA W182CNY0.1H0
 W183TCW0.1HA W183CNY0.1H0 W184TCW0.1HA W184CNY0.1H0 W185TCW0.1HA W185CNY0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

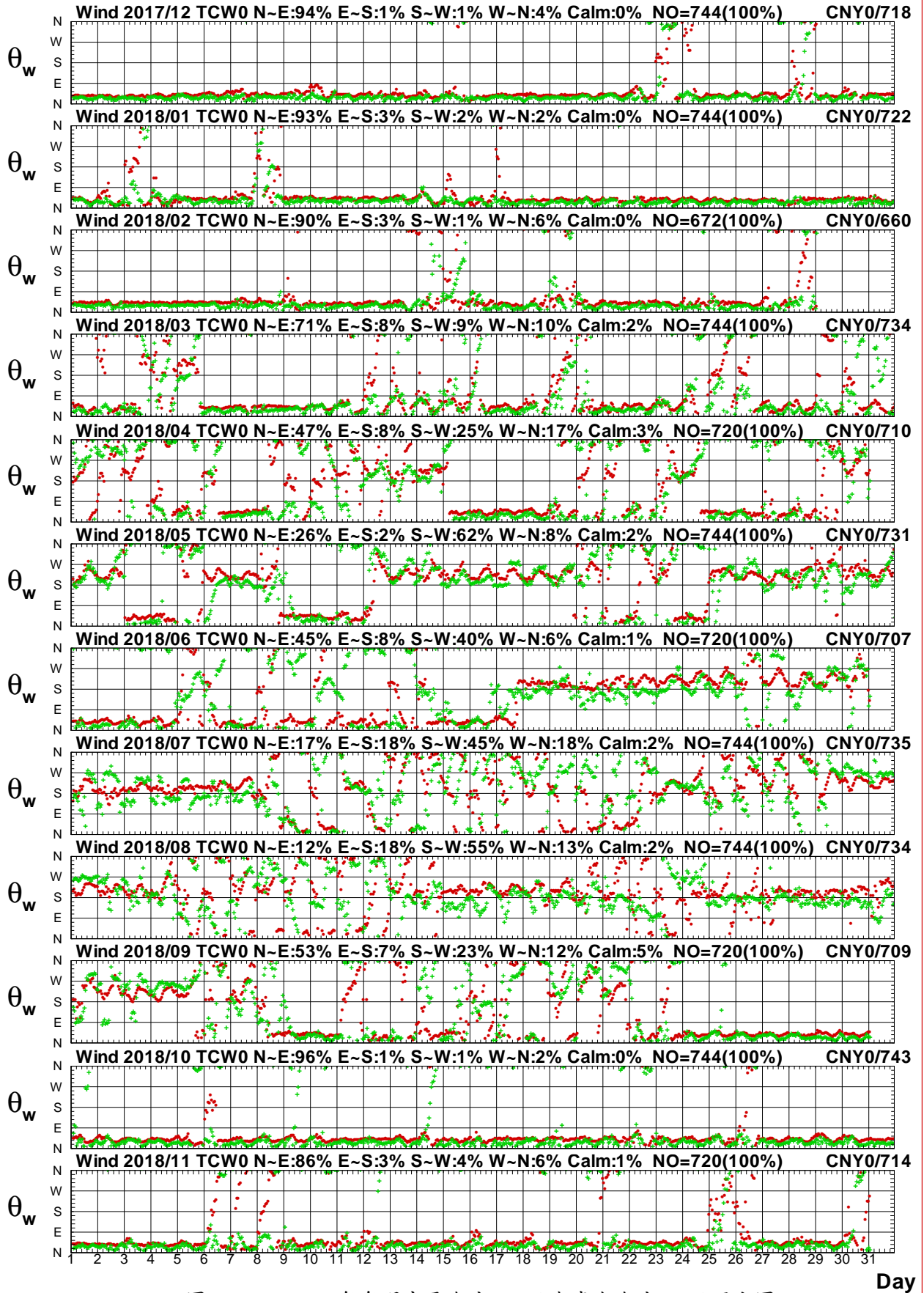


圖1.3.4b 2018年每月中雲海域 W 站與嘉南海域 Y 站風向圖

W17TCW0.1HA W17CCNY0.1H0 W181TCW0.1HA W181CNY0.1H0 W182TCW0.1HA W182CNY0.1H0
 W183TCW0.1HA W183CNY0.1H0 W184TCW0.1HA W184CNY0.1H0 W185TCW0.1HA W185CNY0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

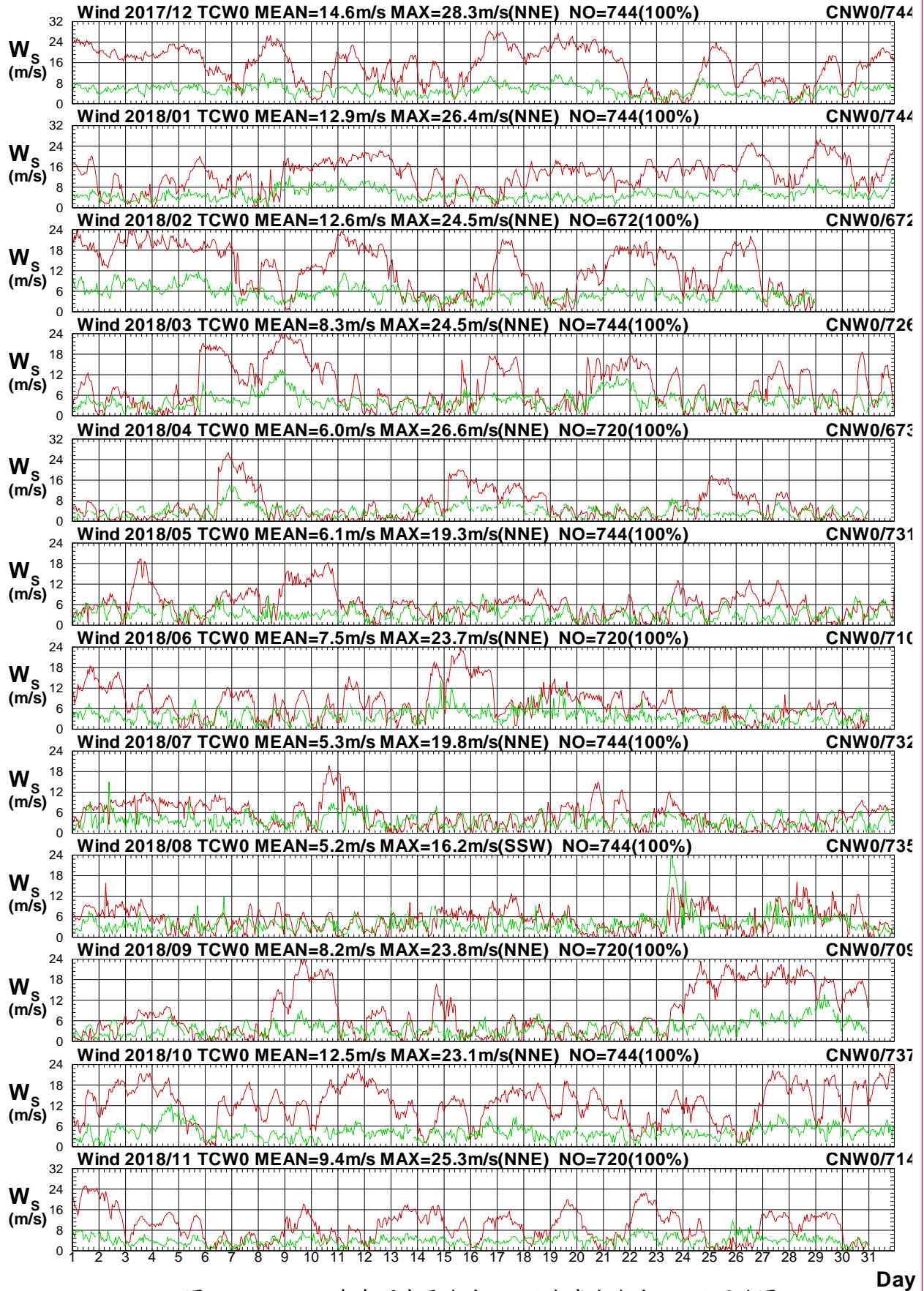


圖1.3.5a 2018年每月中雲海域 W 站與嘉南海域 W 站風速圖

W17TCW0.1HA W17CCNW0.1H0 W181TCW0.1HA W181CNW0.1H0 W182TCW0.1HA W182CNW0.1H0
 W183TCW0.1HA W183CNW0.1H0 W184TCW0.1HA W184CNW0.1H0 W185TCW0.1HA W185CNW0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

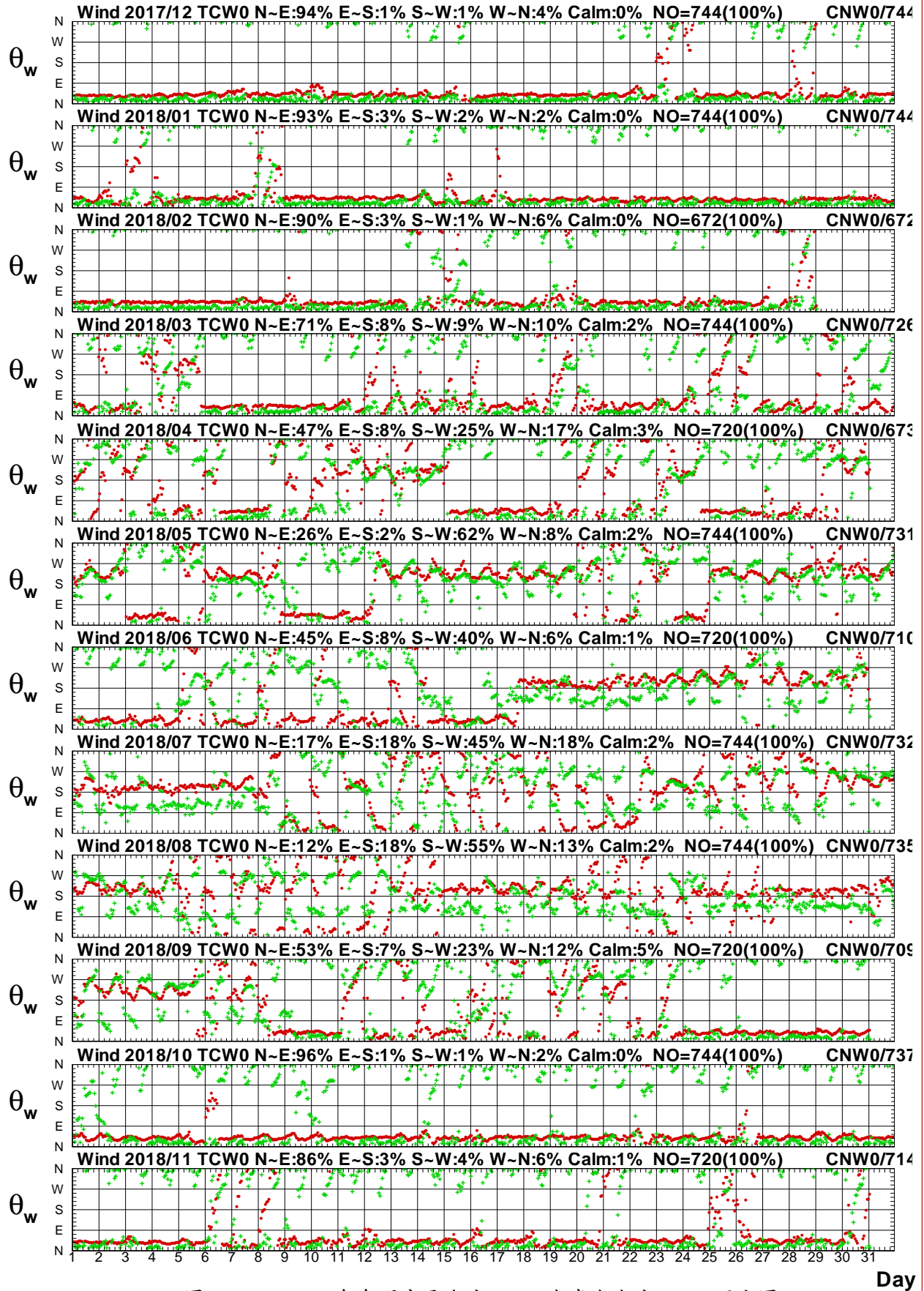


圖1.3.5b 2018年每月中雲海域 W 站與嘉南海域 W 站風向圖

Wind Speed in Chung-Yun Seas of TCW0 at 2018

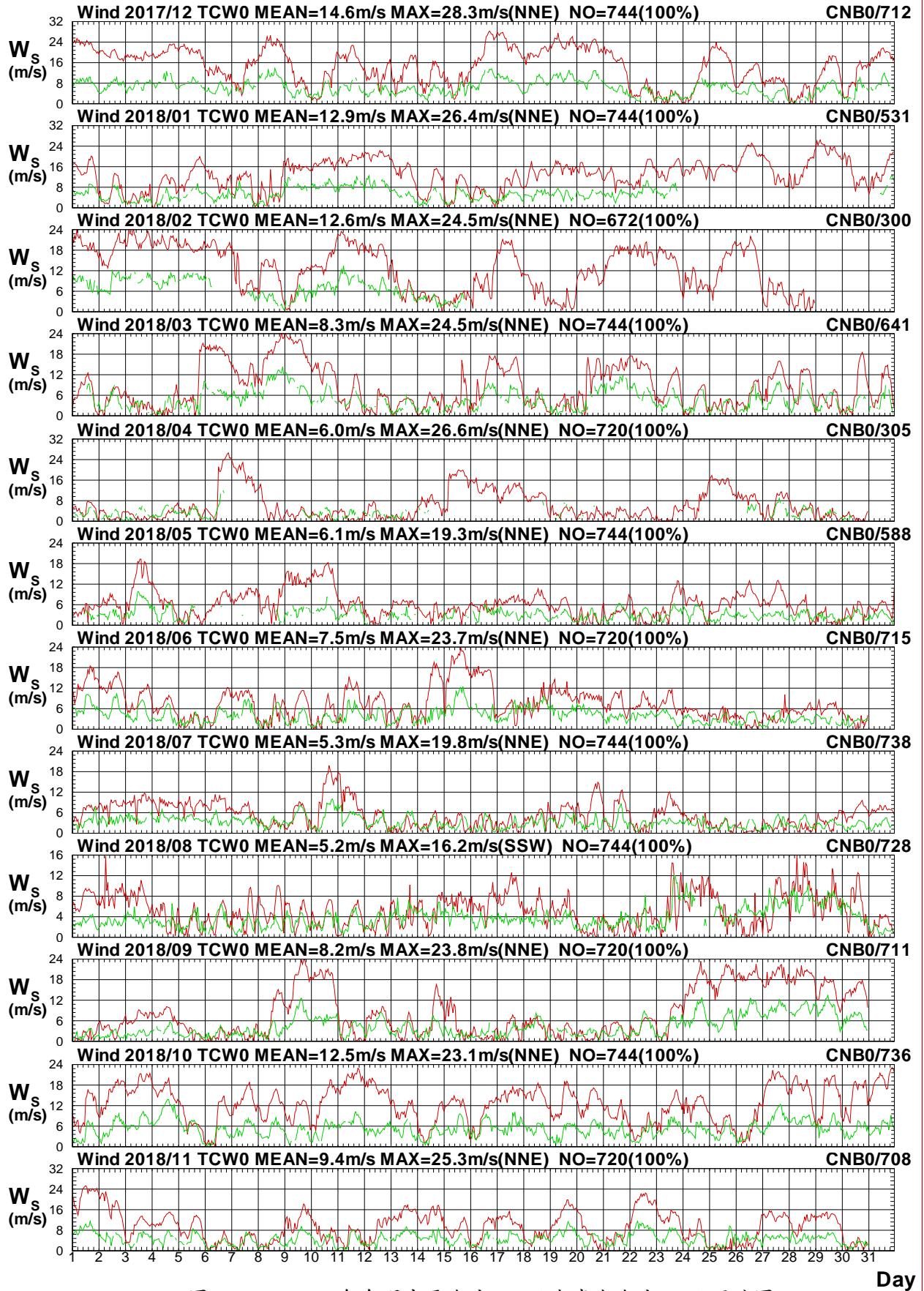


圖1.3.6a 2018年每月中雲海域 W 站與嘉南海域 B 站風速圖

W17TCW0.1HA W17CCNB0.1H0 W181TCW0.1HA W181CNB0.1H0 W182TCW0.1HA W182CNB0.1H0
 W183TCW0.1HA W183CNB0.1H0 W184TCW0.1HA W184CNB0.1H0 W185TCW0.1HA W185CNB0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

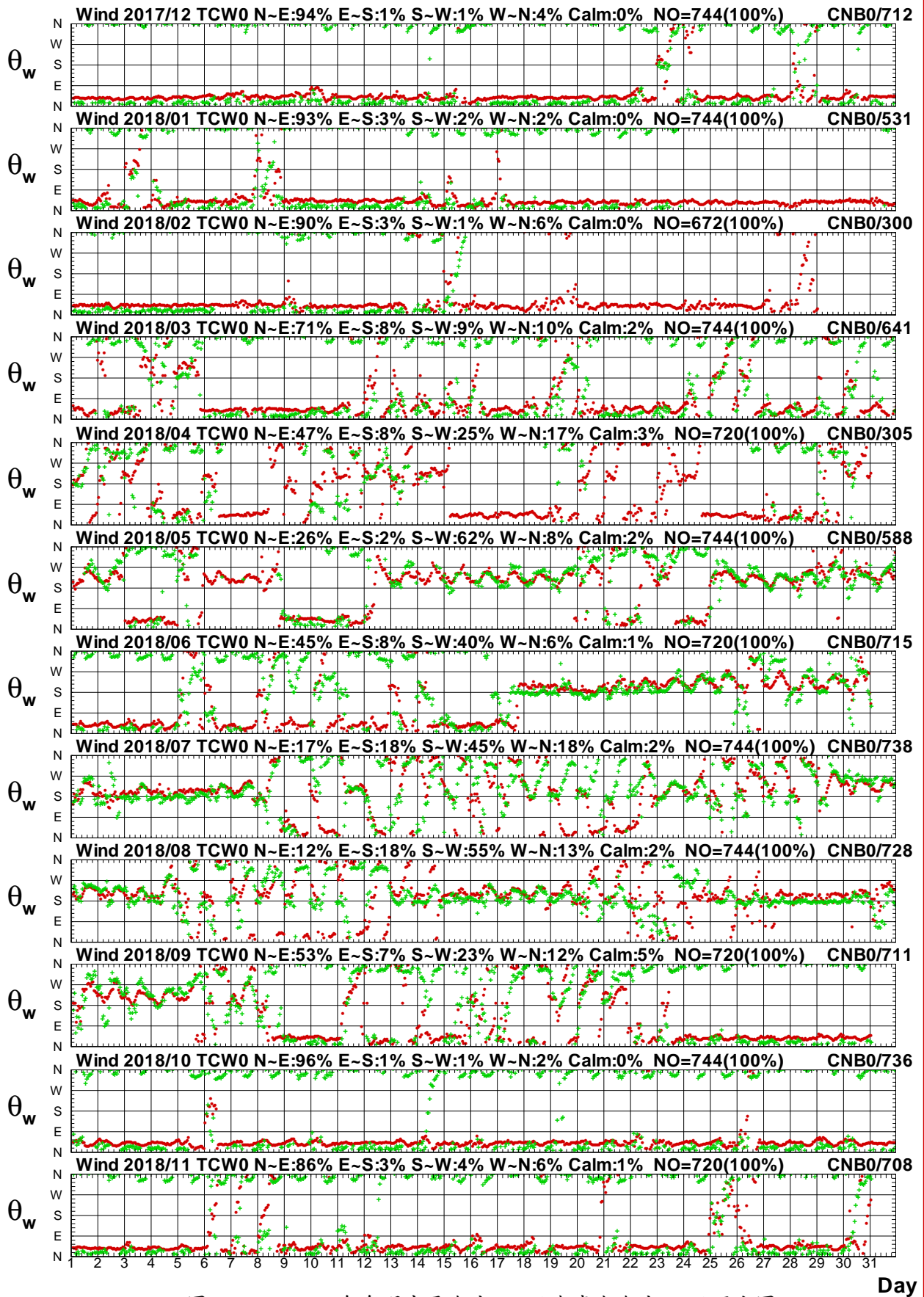


圖1.3.6b 2018年每月中雲海域 W 站與嘉南海域 B 站風向圖

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 W183TCW0.1HA W183CNB0.1H0 W184TCW0.1HA W184CNB0.1H0 W185TCW0.1HA W185CNB0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

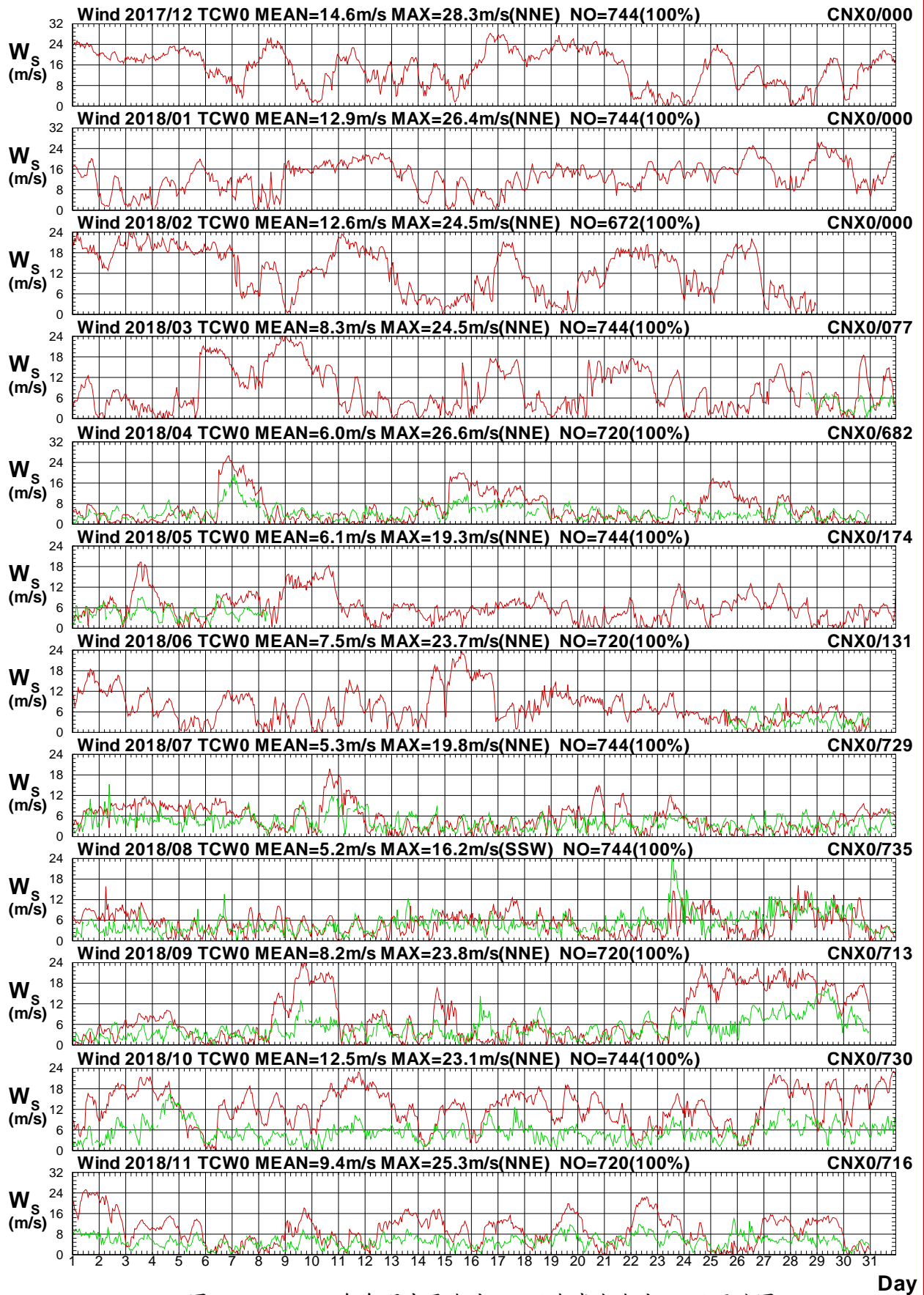


圖1.3.7a 2018年每月中雲海域 W 站與嘉南海域 X 站風速圖

W17TCW0.1HA W17CCNX0.1H0 W181TCW0.1HA W181CNX0.1H0 W182TCW0.1HA W182CNX0.1H0
 W183TCW0.1HA W183CNX0.1H0 W184TCW0.1HA W184CNX0.1H0 W185TCW0.1HA W185CNX0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

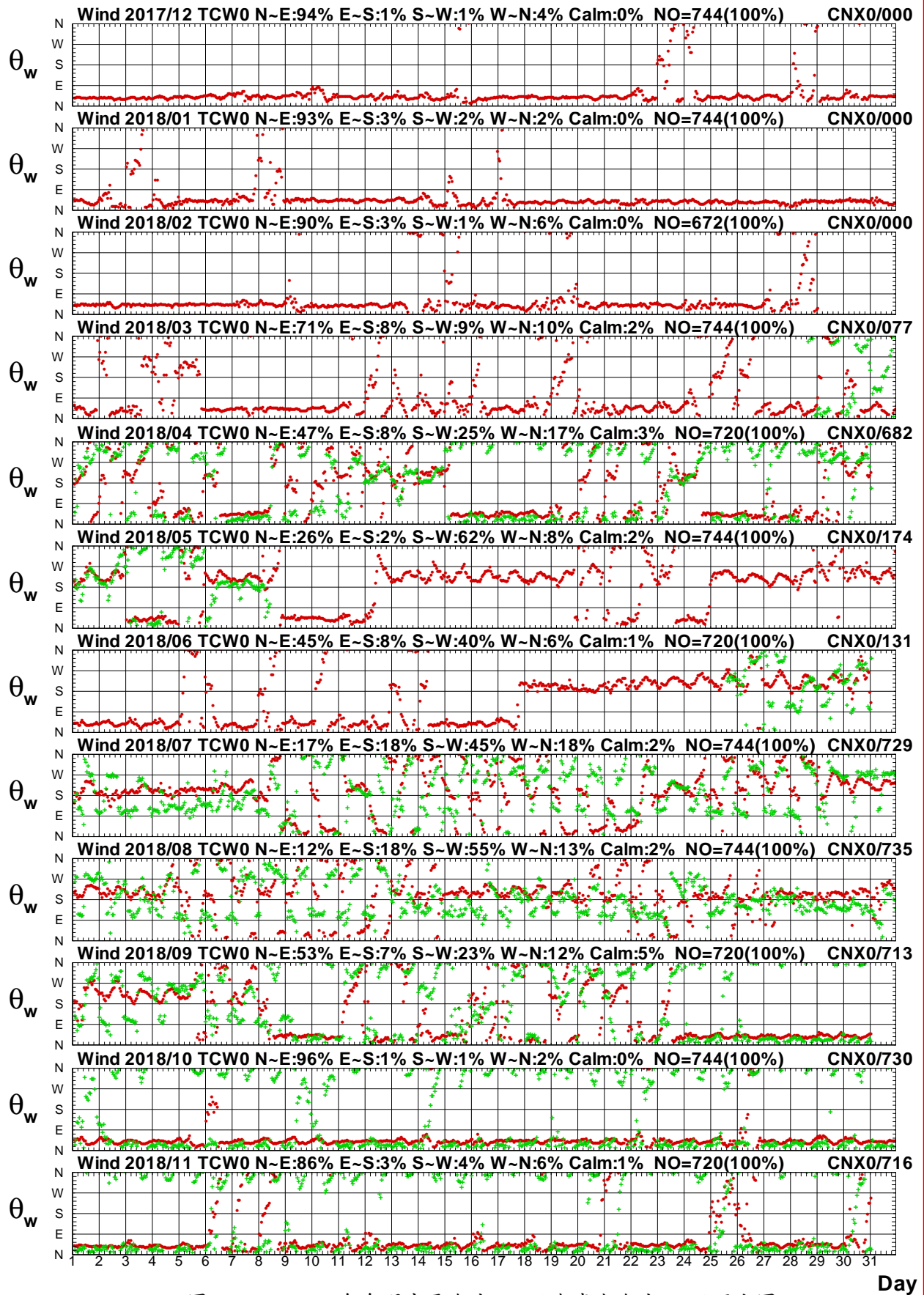


圖1.3.7b 2018年每月中雲海域 W 站與嘉南海域 X 站風向圖

W17TCW0.1HA W17CCNX0.1H0 W181TCW0.1HA W181CNX0.1H0 W182TCW0.1HA W182CNX0.1H0
 W183TCW0.1HA W183CNX0.1H0 W184TCW0.1HA W184CNX0.1H0 W185TCW0.1HA W185CNX0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

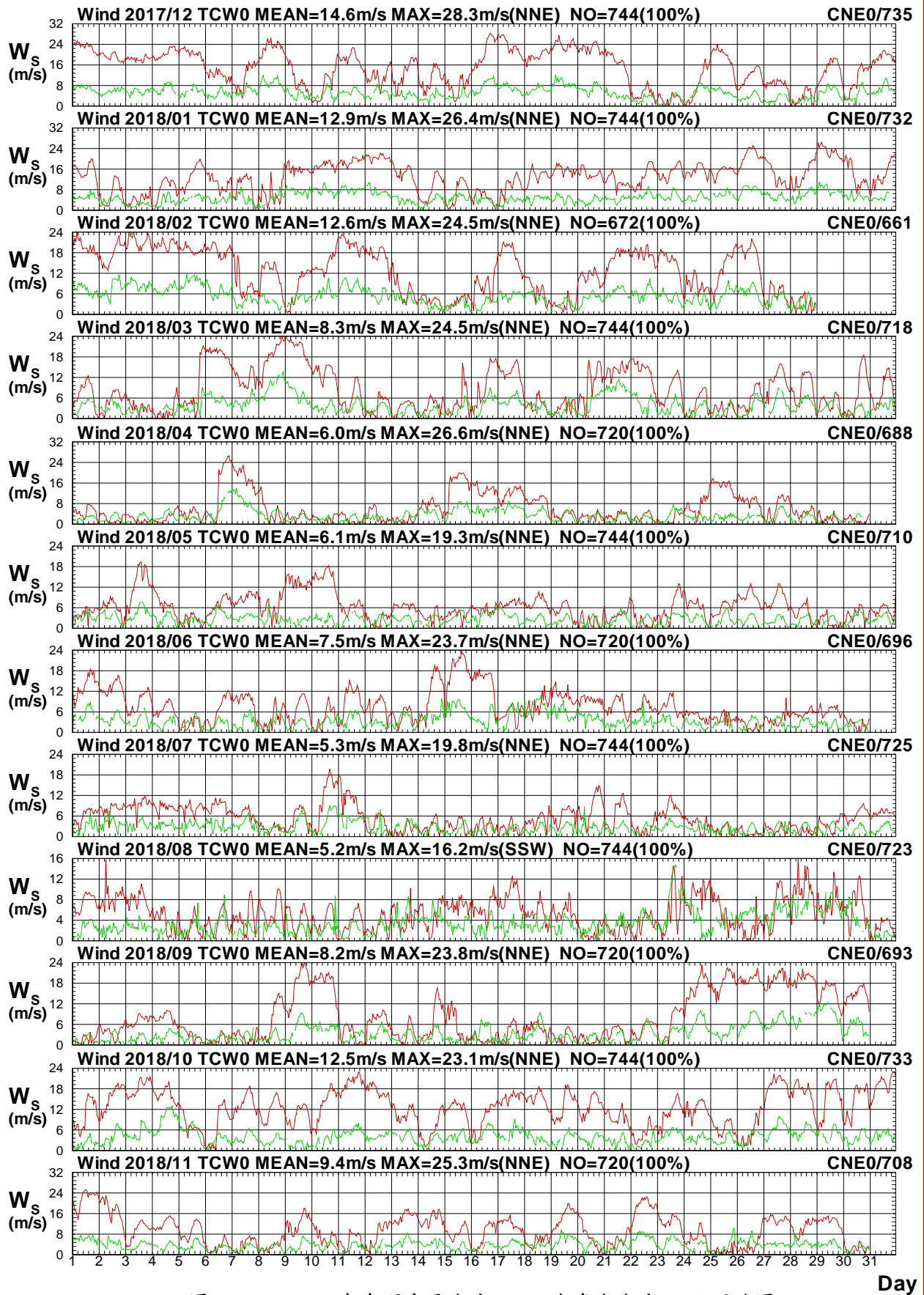


圖1.3.8a 2018年每月中雲海域 W 站與嘉南海域 E 站風速圖

W17TCW0.1HA W17CCNE0.1H0 W181TCW0.1HA W181CNE0.1H0 W182TCW0.1HA W182CNE0.1H0
 W183TCW0.1HA W183CNE0.1H0 W184TCW0.1HA W184CNE0.1H0 W185TCW0.1HA W185CNE0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

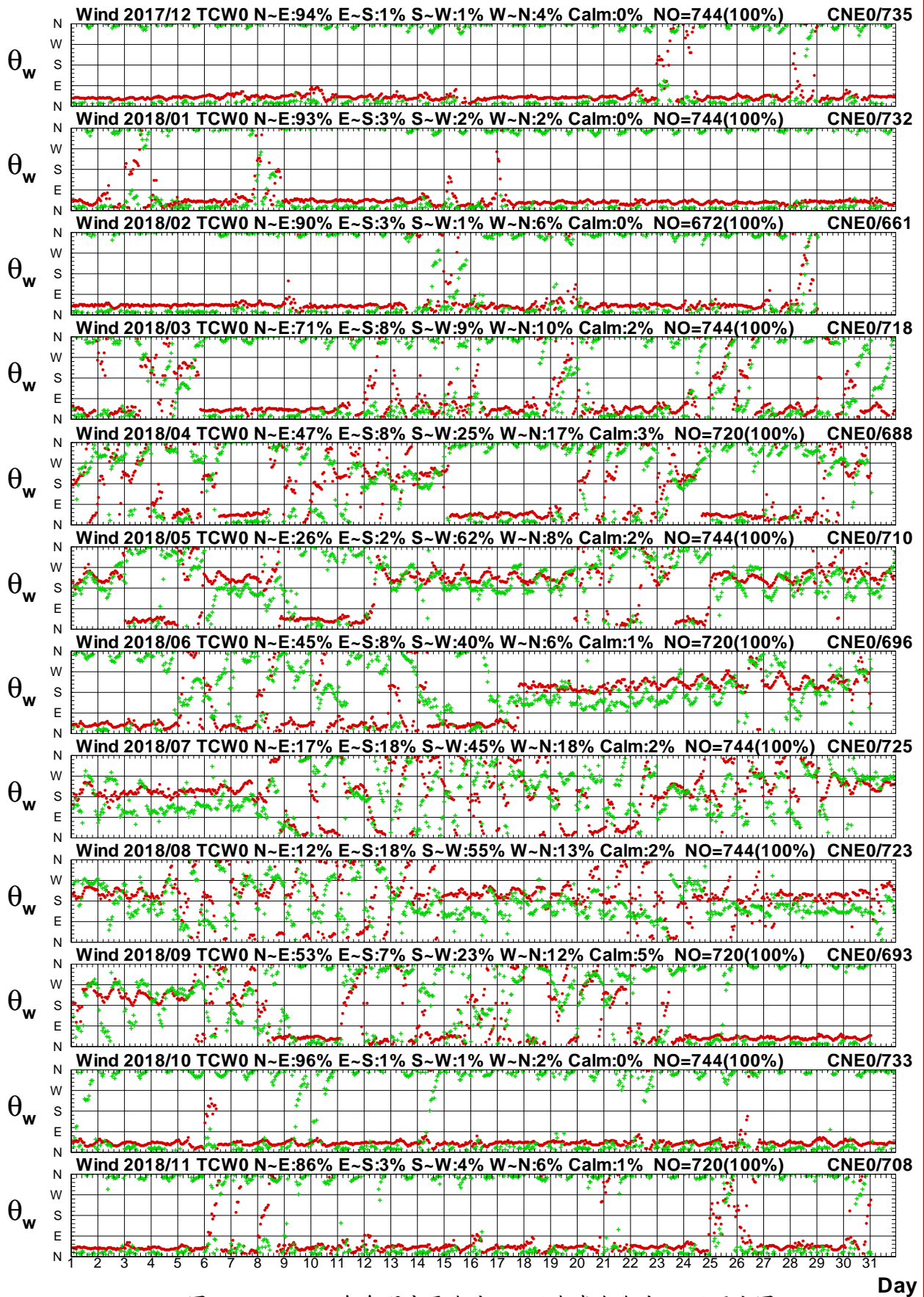


圖1.3.8b 2018年每月中雲海域 W 站與嘉南海域 E 站風向圖

W17TCW0.1HA W17CCNE0.1H0 W181TCW0.1HA W181CNE0.1H0 W182TCW0.1HA W182CNE0.1H0
 W183TCW0.1HA W183CNE0.1H0 W184TCW0.1HA W184CNE0.1H0 W185TCW0.1HA W185CNE0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

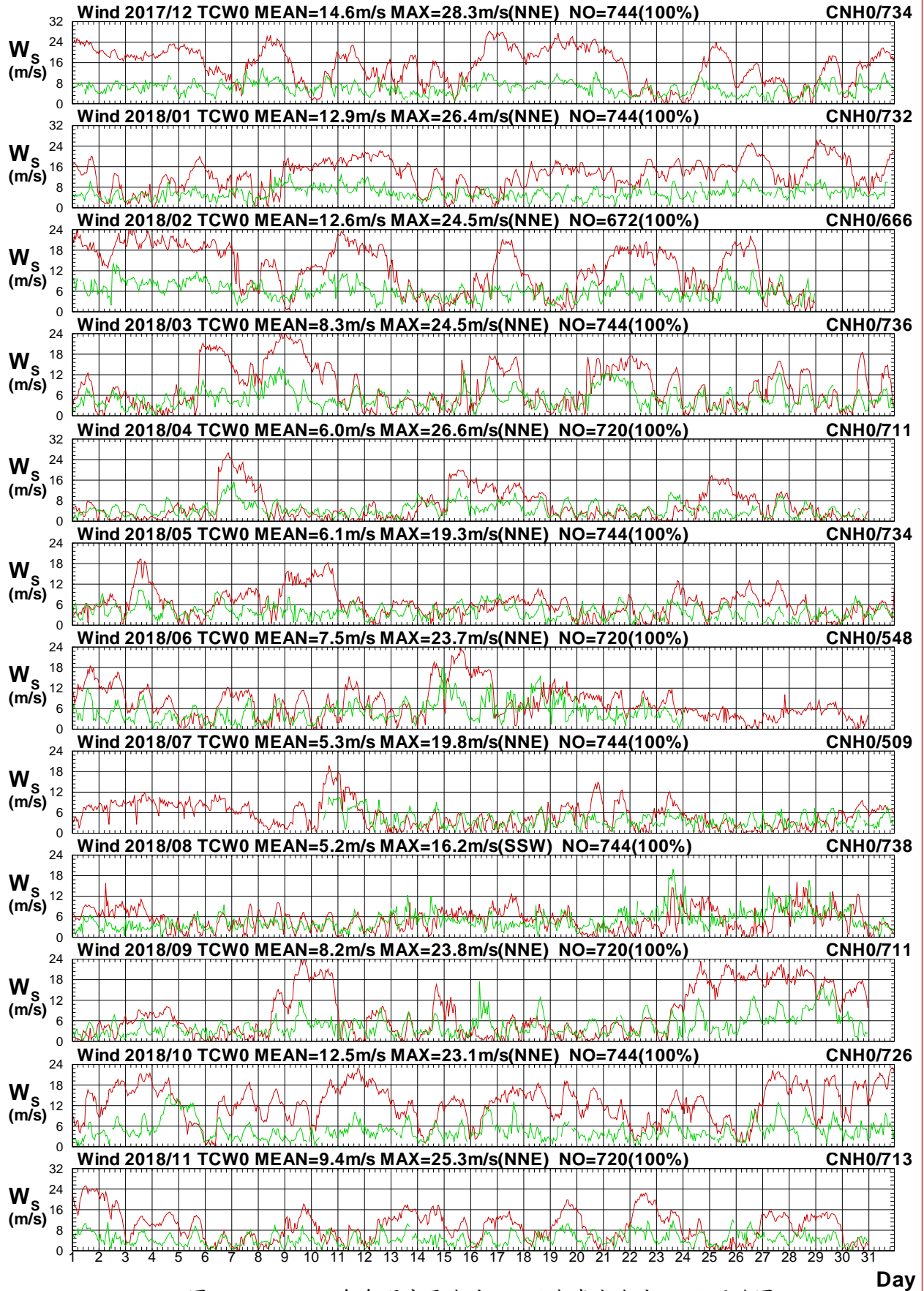


圖 1.3.9a 2018 年每月中雲海域 W 站與嘉南海域 H 站風速圖

W17TCW0.1HA W17CCNH0.1H0 W181TCW0.1HA W181CNH0.1H0 W182TCW0.1HA W182CNH0.1H0
 W183TCW0.1HA W183CNH0.1H0 W184TCW0.1HA W184CNH0.1H0 W185TCW0.1HA W185CNH0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

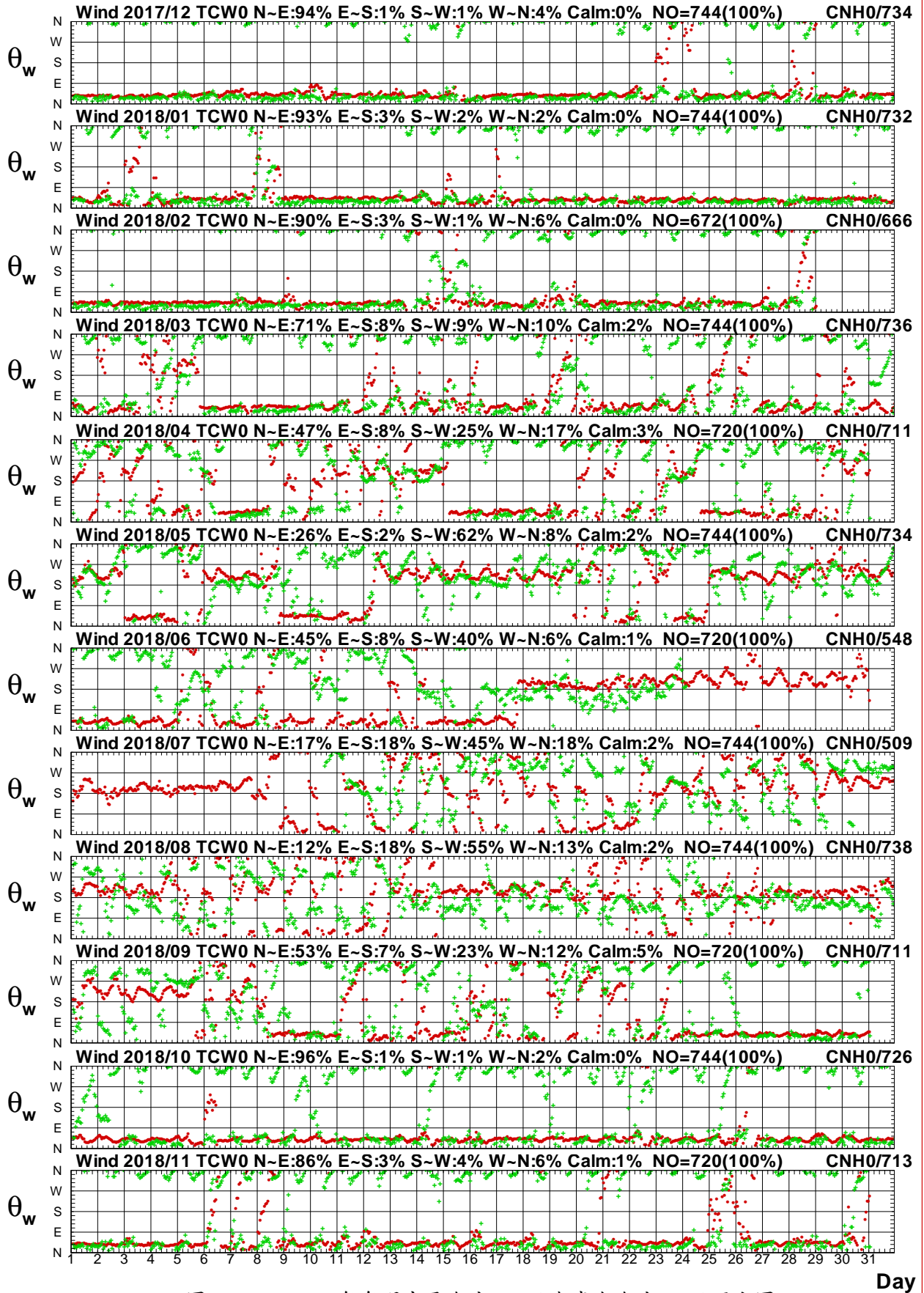


圖1.3.9b 2018年每月中雲海域 W 站與嘉南海域 H 站風向圖

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 W183TCW0.1HA W183CNH0.1H0 W184TCW0.1HA W184CNH0.1H0 W185TCW0.1HA W185CNH0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

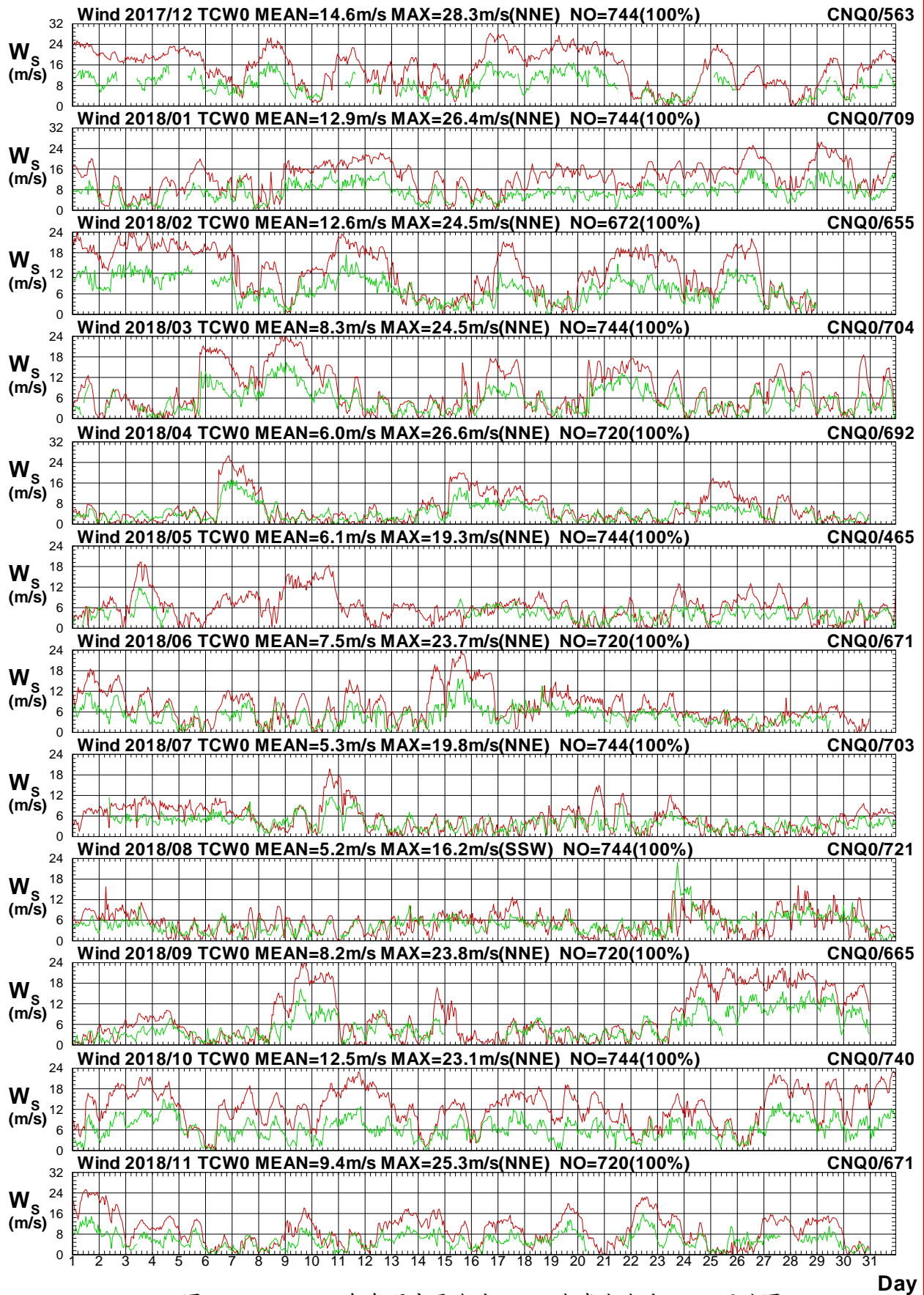


圖 1.3.10a 2018年每月中雲海域 W 站與嘉南海域 Q 站風速圖

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 W183TCW0.1HA W183CNQ0.1H0 W184TCW0.1HA W184CNQ0.1H0 W185TCW0.1HA W185CNQ0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

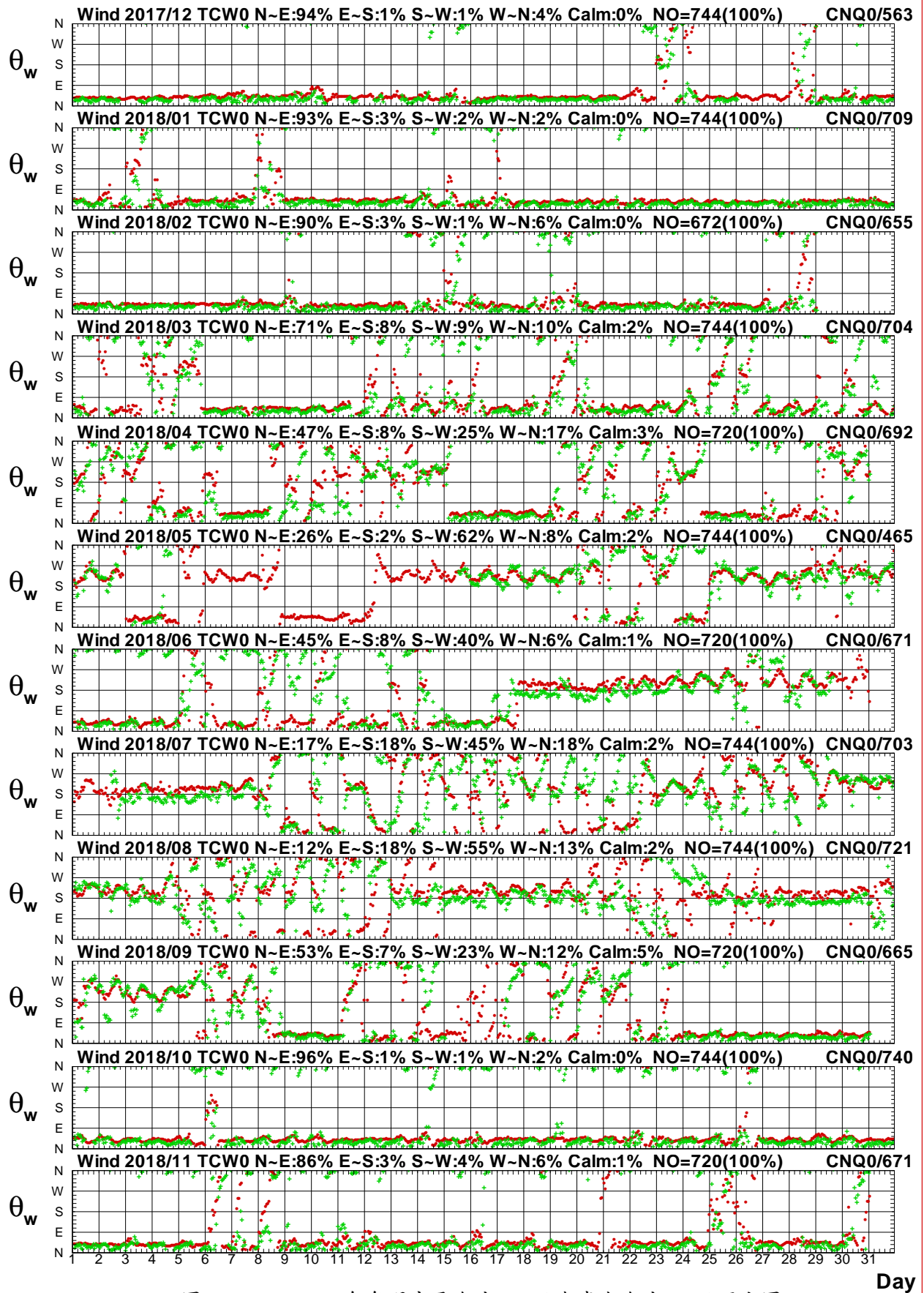


圖 1.3.10b 2018年每月中雲海域 W 站與嘉南海域 Q 站風向圖

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 W183TCW0.1HA W183CNQ0.1H0 W184TCW0.1HA W184CNQ0.1H0 W185TCW0.1HA W185CNQ0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

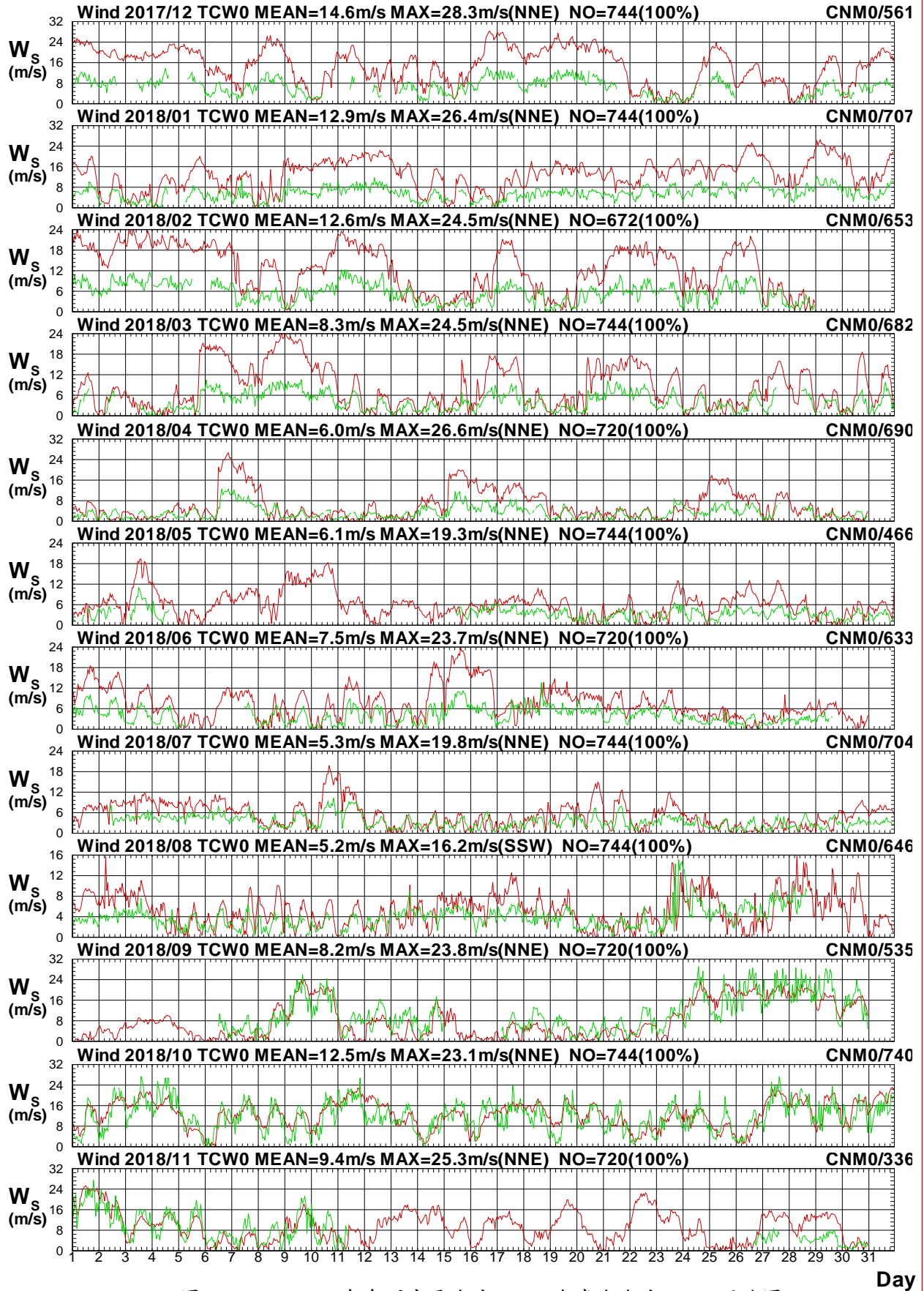


圖 1.3.11a 2018年每月中雲海域 W 站與嘉南海域 M 站風速圖

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 W183TCW0.1HA W183CNM0.1H0 W184TCW0.1HA W184CNM0.1H0 W185TCW0.1HA W185CNM0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

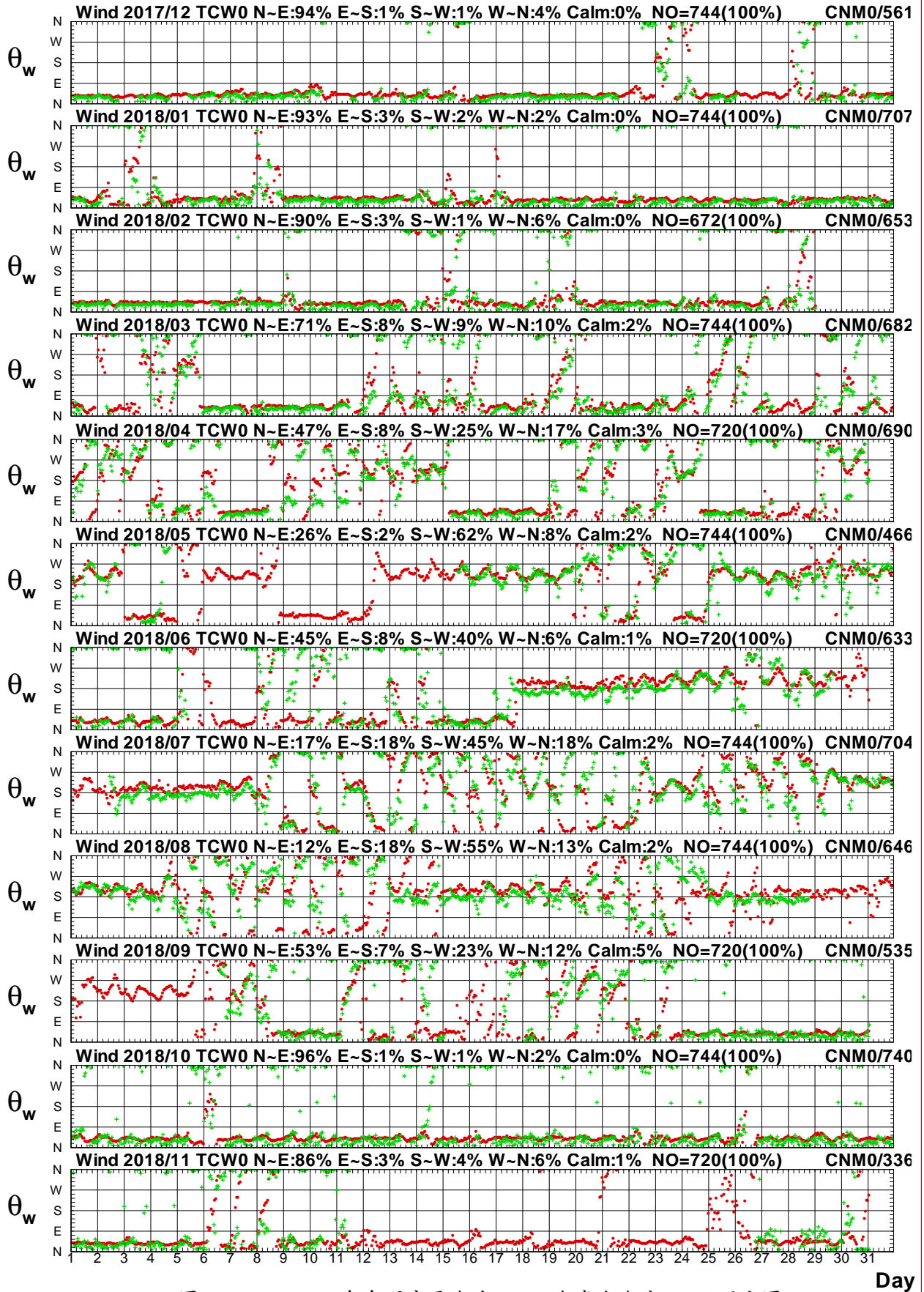


圖 1.3.11b 2018年每月中雲海域 W 站與嘉南海域 M 站風向圖

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 W183TCW0.1HA W183CNM0.1H0 W184TCW0.1HA W184CNM0.1H0 W185TCW0.1HA W185CNM0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

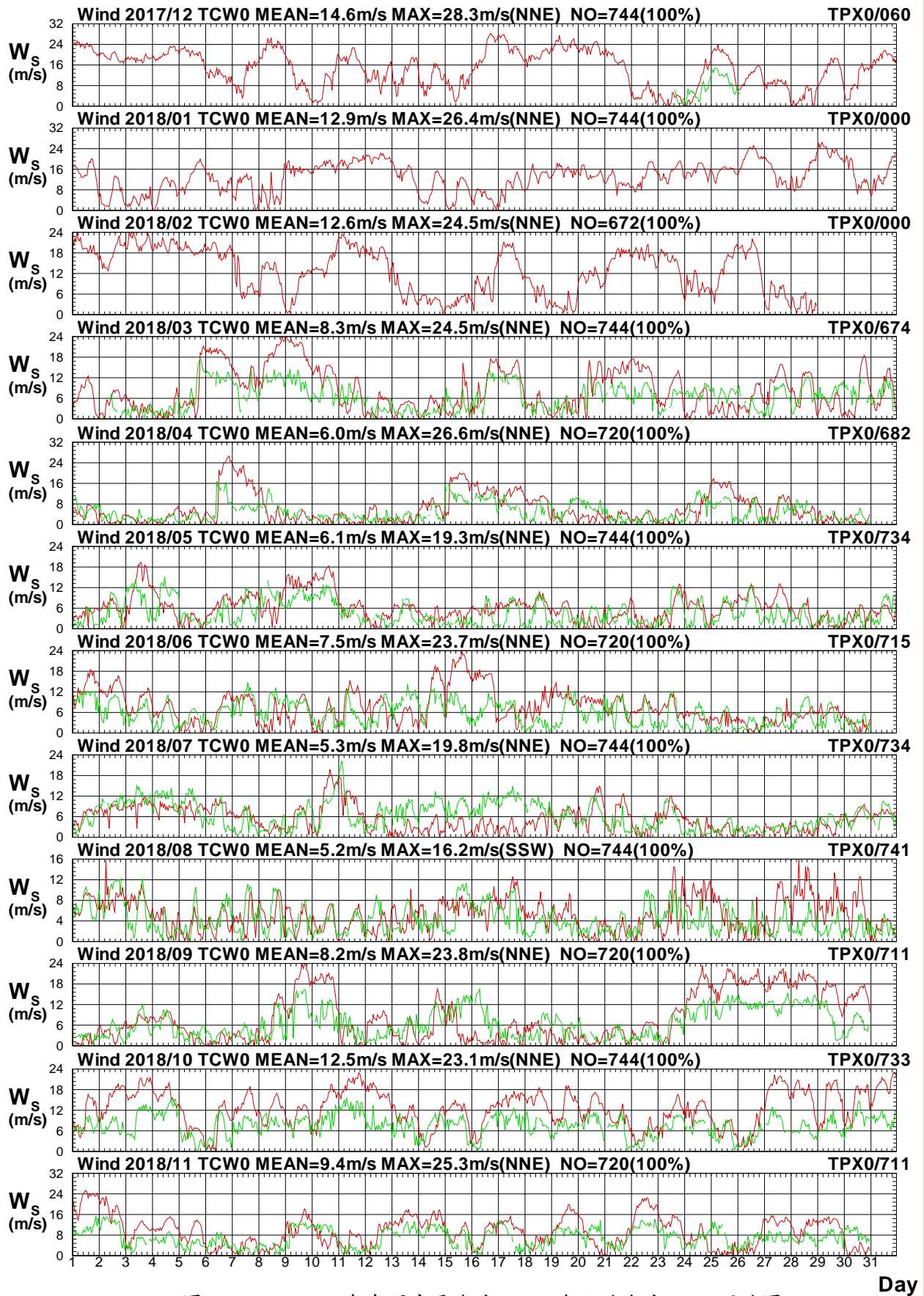


圖 1.3.12a 2018 年每月中雲海域 W 站與北苗海域 X 站風速圖

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 W183TCW0.1HA W183TPX0.1H0 W184TCW0.1HA W184TPX0.1H0 W185TCW0.1HA W185TPX0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

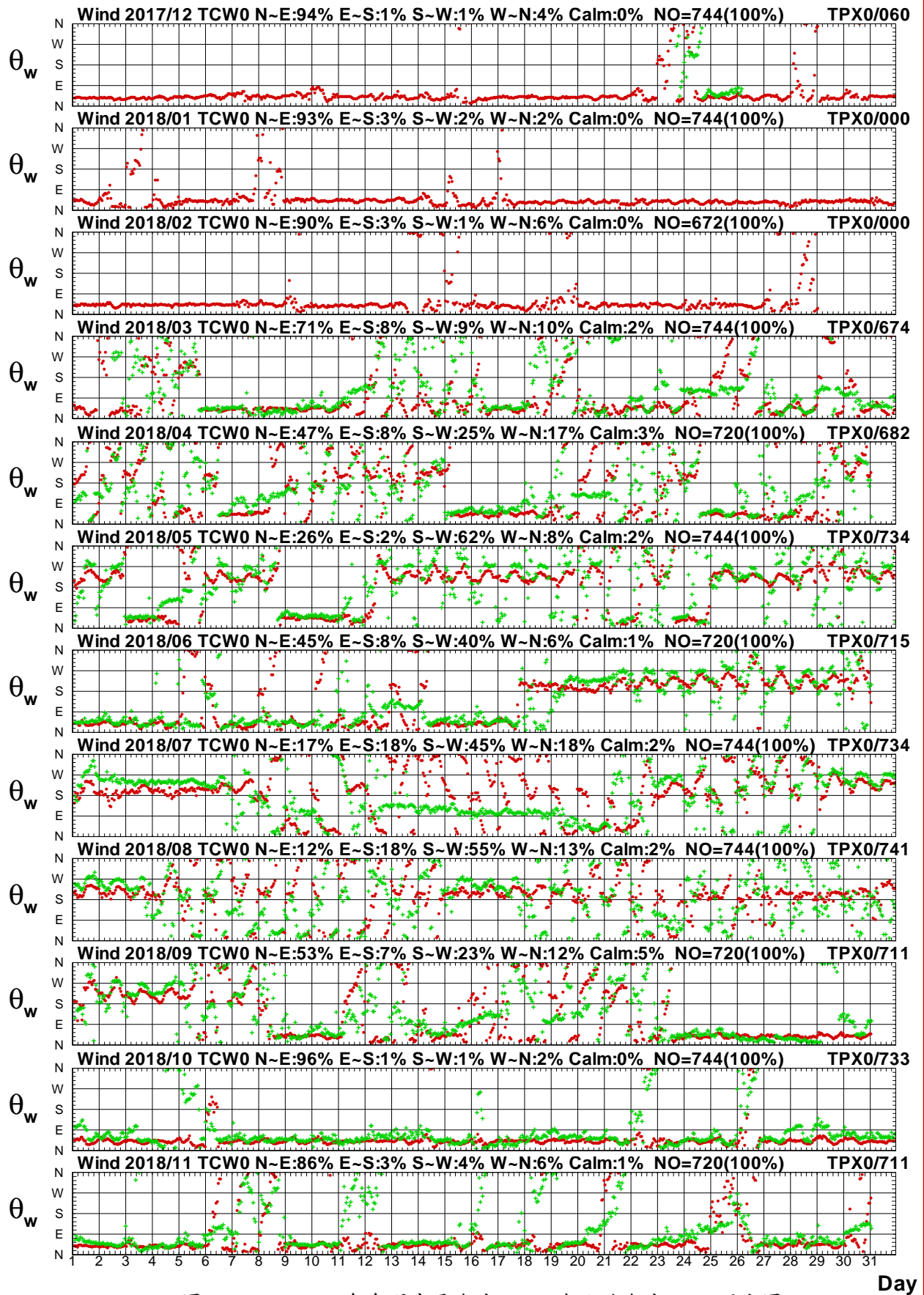


圖 1.3.12b 2018年每月中雲海域 W 站與北苗海域 X 站風向圖

W17TCW0.1HA W17CTPX0.1H0 W181TCW0.1HA W181TPX0.1H0 W182TCW0.1HA W182TPX0.1H0
 W183TCW0.1HA W183TPX0.1H0 W184TCW0.1HA W184TPX0.1H0 W185TCW0.1HA W185TPX0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

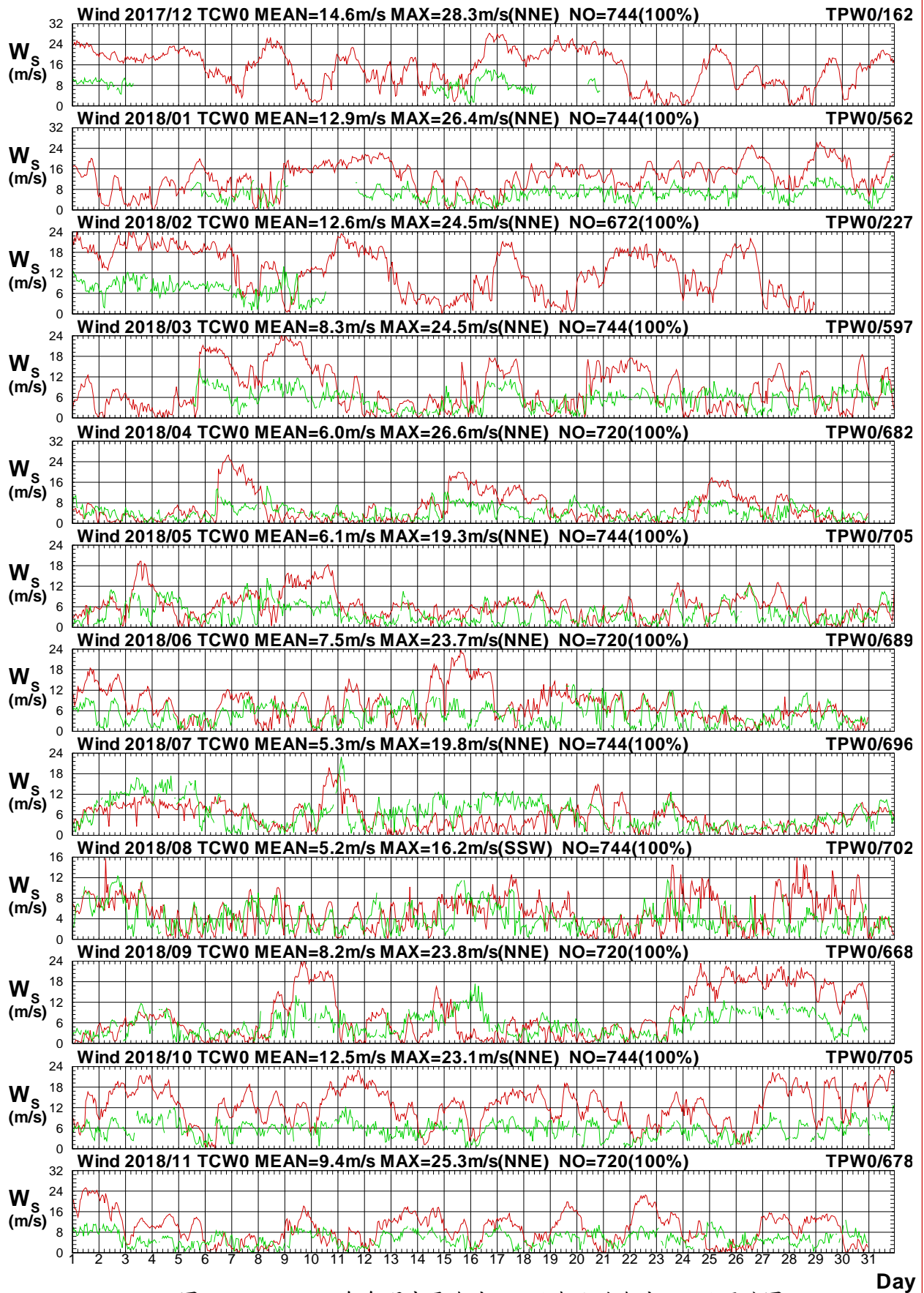


圖 1.3.13a 2018 年每月中雲海域 W 站與北苗海域 W 站風速圖

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 W183TCW0.1HA W183TPW0.1H0 W184TCW0.1HA W184TPW0.1H0 W185TCW0.1HA W185TPW0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

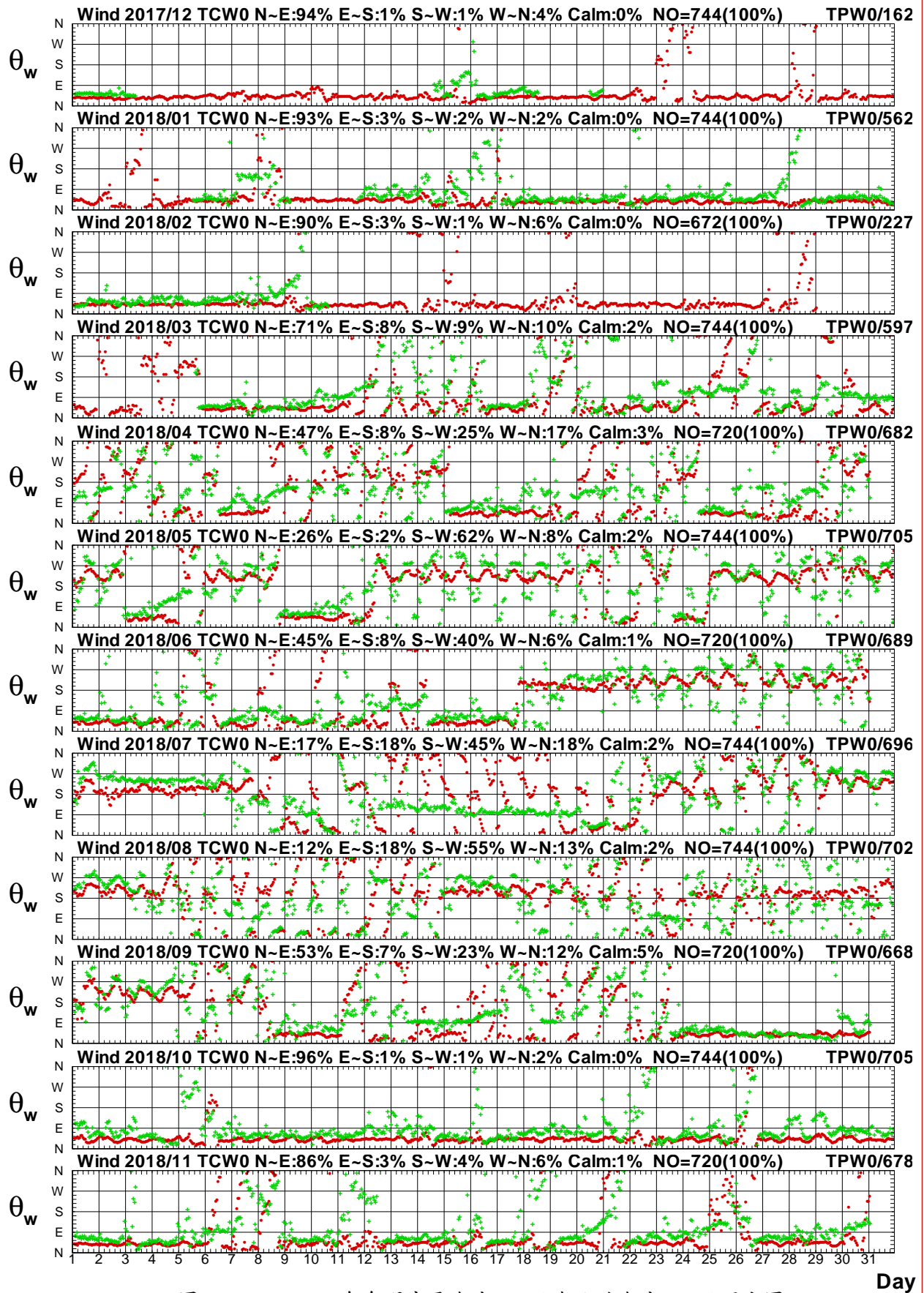


圖1.3.13b 2018年每月中雲海域 W 站與北苗海域 W 站風向圖

W17TCW0.1HA W17CTPW0.1H0 W181TCW0.1HA W181TPW0.1H0 W182TCW0.1HA W182TPW0.1H0
 W183TCW0.1HA W183TPW0.1H0 W184TCW0.1HA W184TPW0.1H0 W185TCW0.1HA W185TPW0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

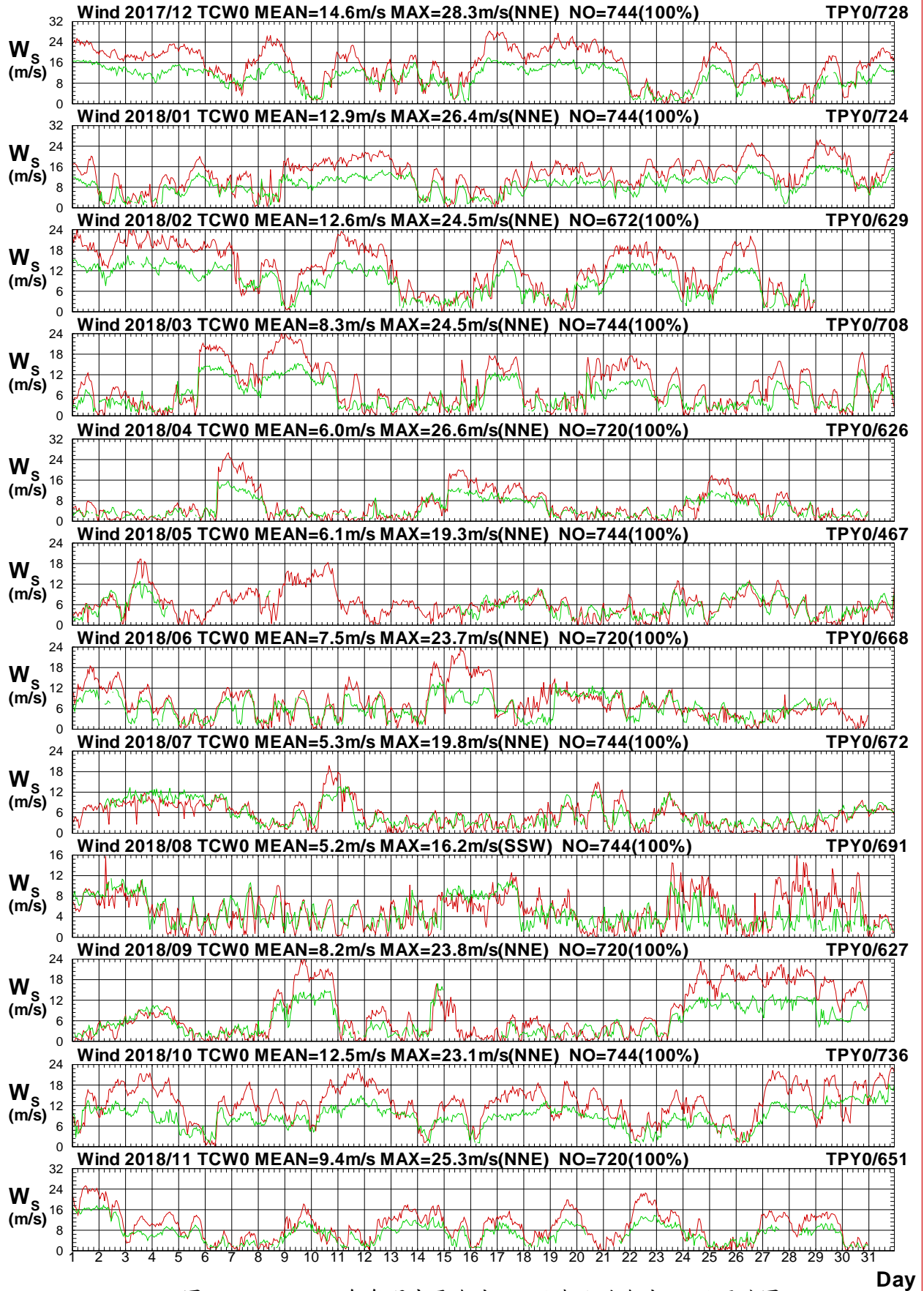


圖 1.3.14a 2018年每月中雲海域 W 站與北苗海域 Y 站風速圖

W17TCW0.1HA W17CTPY0.1H0 W181TCW0.1HA W181TPY0.1H0 W182TCW0.1HA W182TPY0.1H0
 W183TCW0.1HA W183TPY0.1H0 W184TCW0.1HA W184TPY0.1H0 W185TCW0.1HA W185TPY0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

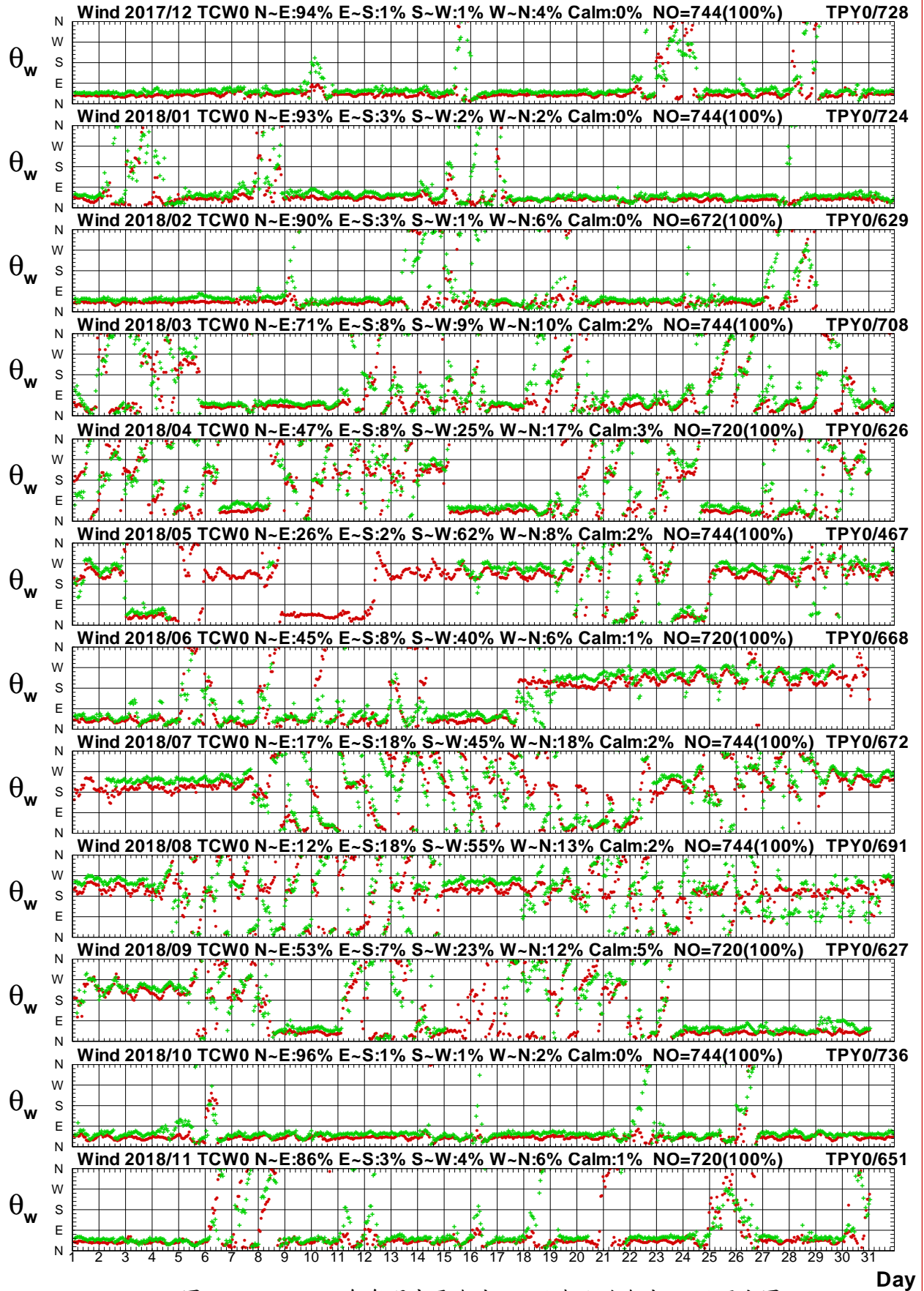


圖 1.3.14b 2018年每月中雲海域 W 站與北苗海域 Y 站風向圖

Wind Speed in Chung-Yun Seas of TCW0 at 2018

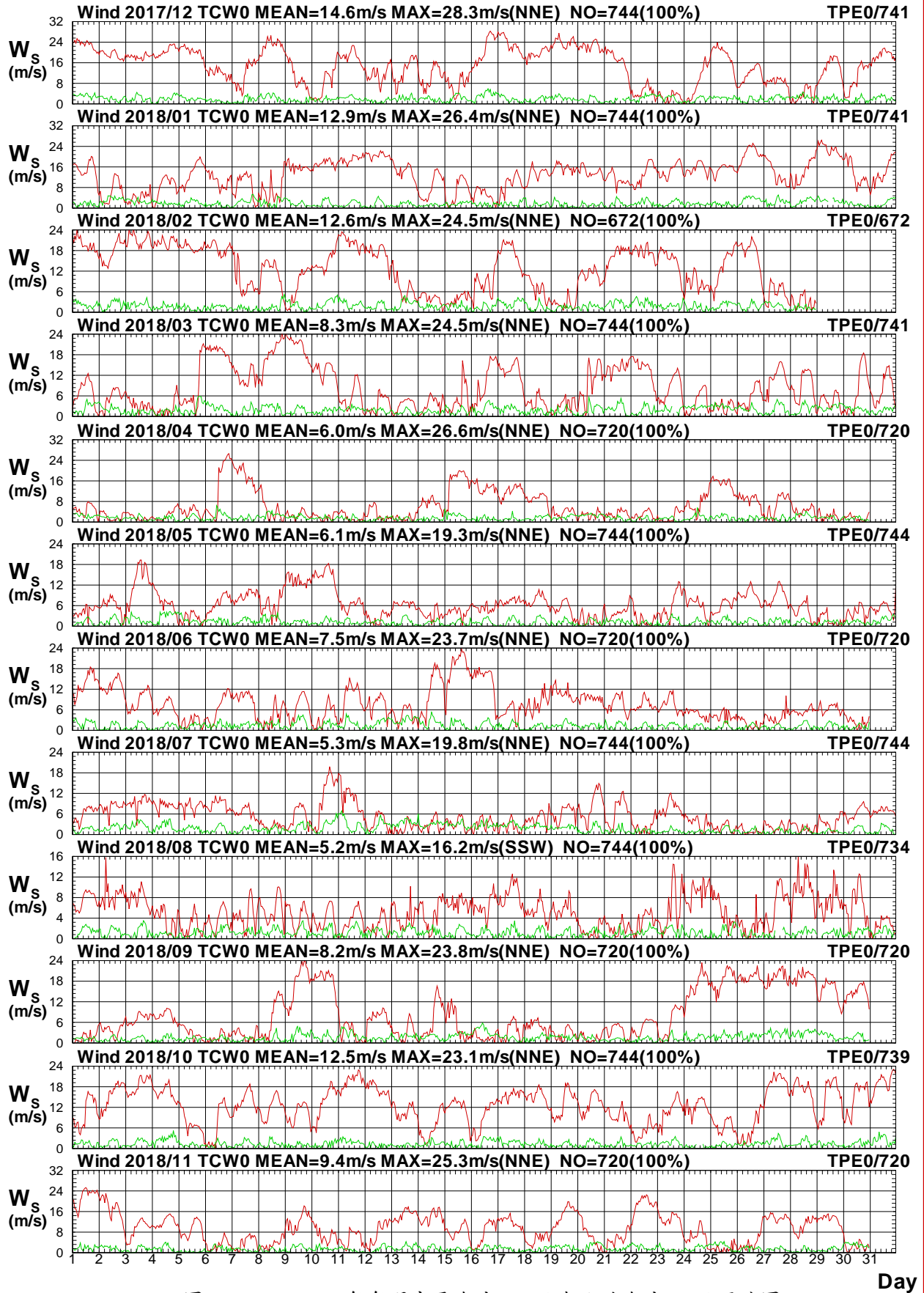


圖1.3.15a 2018年每月中雲海域 W 站與北苗海域 E 站風速圖

W17TCW0.1HA W17CTPE0.1H0 W181TCW0.1HA W181TPE0.1H0 W182TCW0.1HA W182TPE0.1H0
 W183TCW0.1HA W183TPE0.1H0 W184TCW0.1HA W184TPE0.1H0 W185TCW0.1HA W185TPE0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

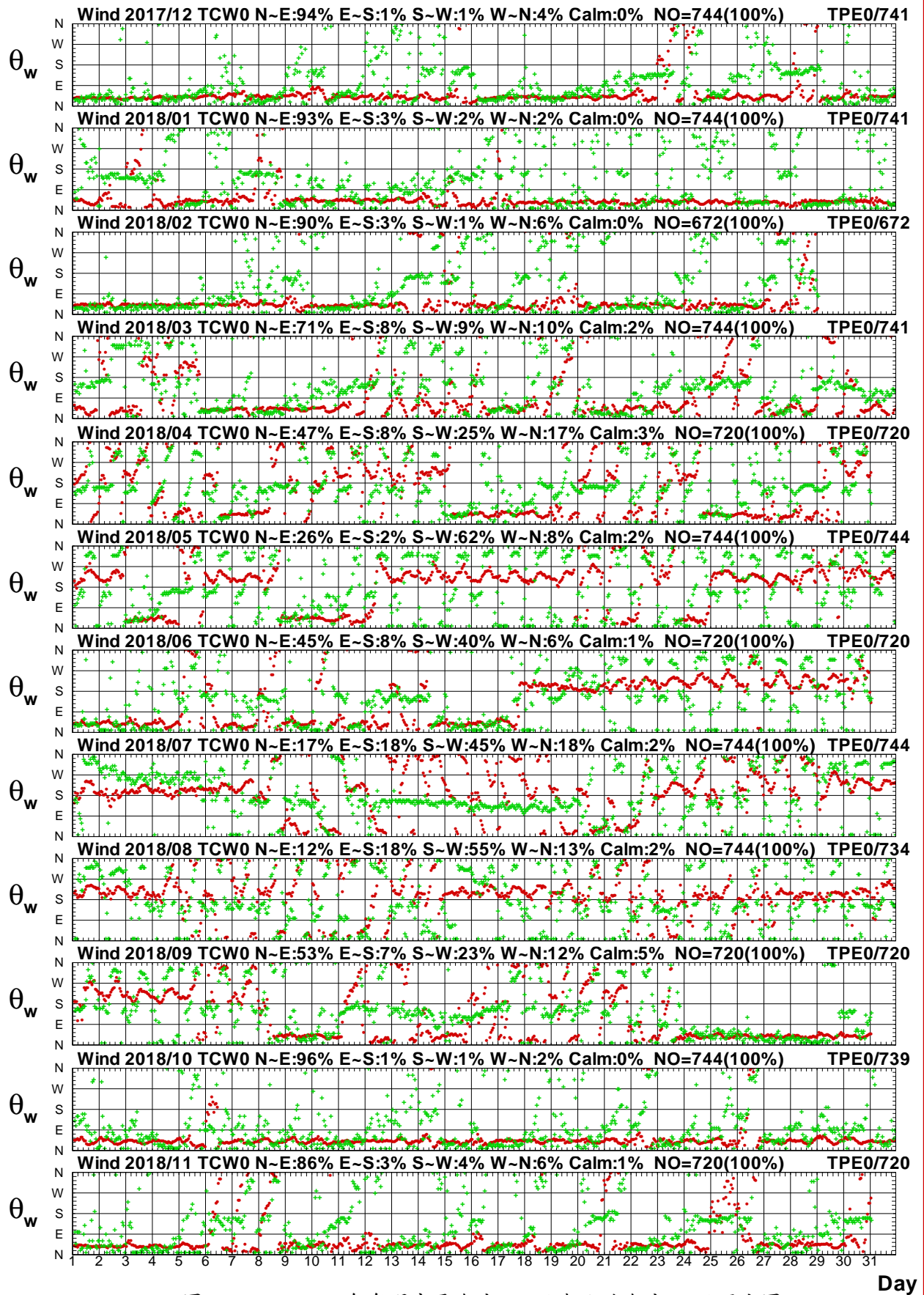


圖 1.3.15b 2018年每月中雲海域 W 站與北苗海域 E 站風向圖

W17TCW0.1HA W17CTPE0.1H0 W181TCW0.1HA W181TPE0.1H0 W182TCW0.1HA W182TPE0.1H0
 W183TCW0.1HA W183TPE0.1H0 W184TCW0.1HA W184TPE0.1H0 W185TCW0.1HA W185TPE0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

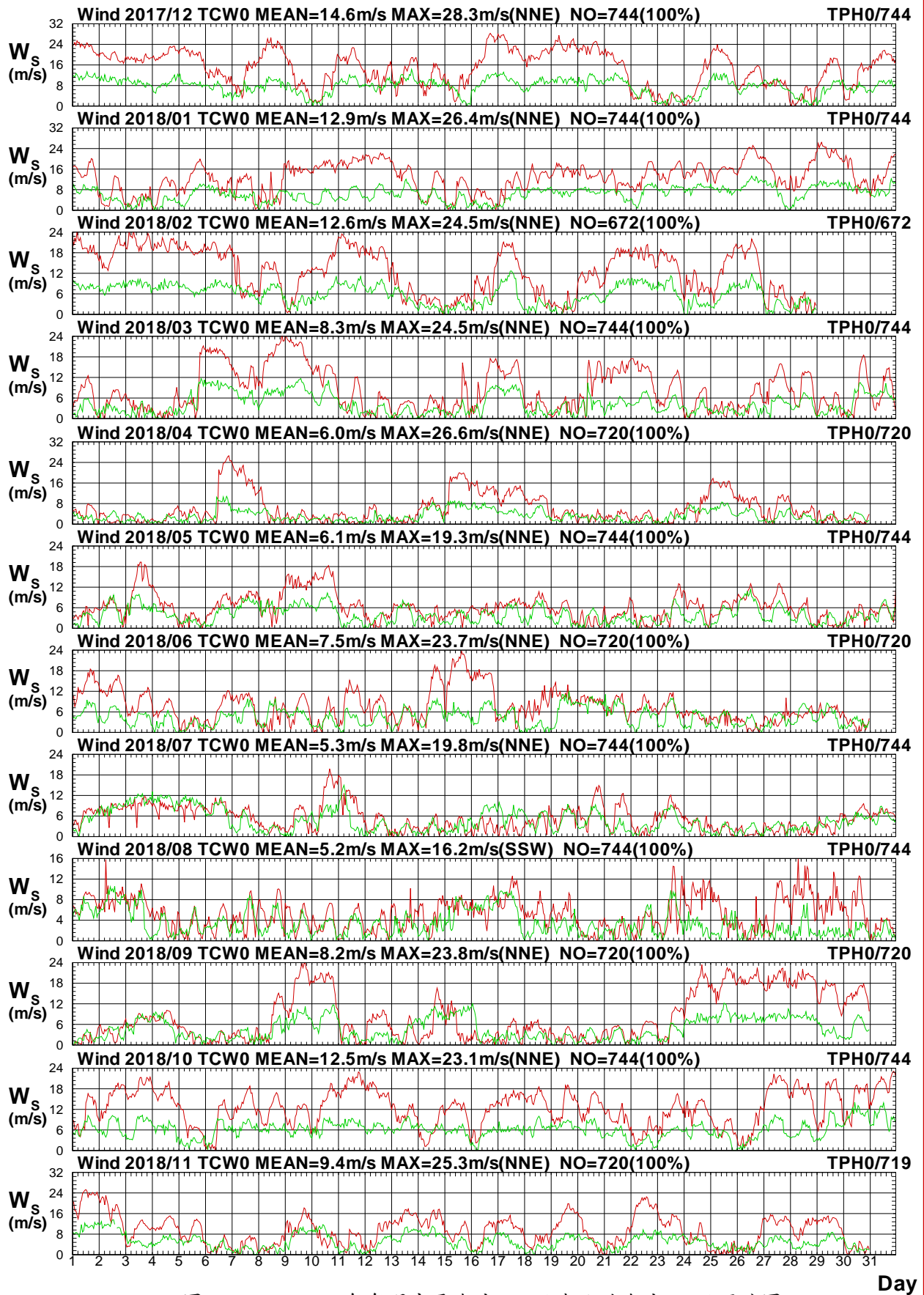


圖 1.3.16a 2018年每月中雲海域 W 站與北苗海域 H 站風速圖

W17TCW0.1HA W17CTPH0.1H0 W181TCW0.1HA W181TPH0.1H0 W182TCW0.1HA W182TPH0.1H0
 W183TCW0.1HA W183TPH0.1H0 W184TCW0.1HA W184TPH0.1H0 W185TCW0.1HA W185TPH0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

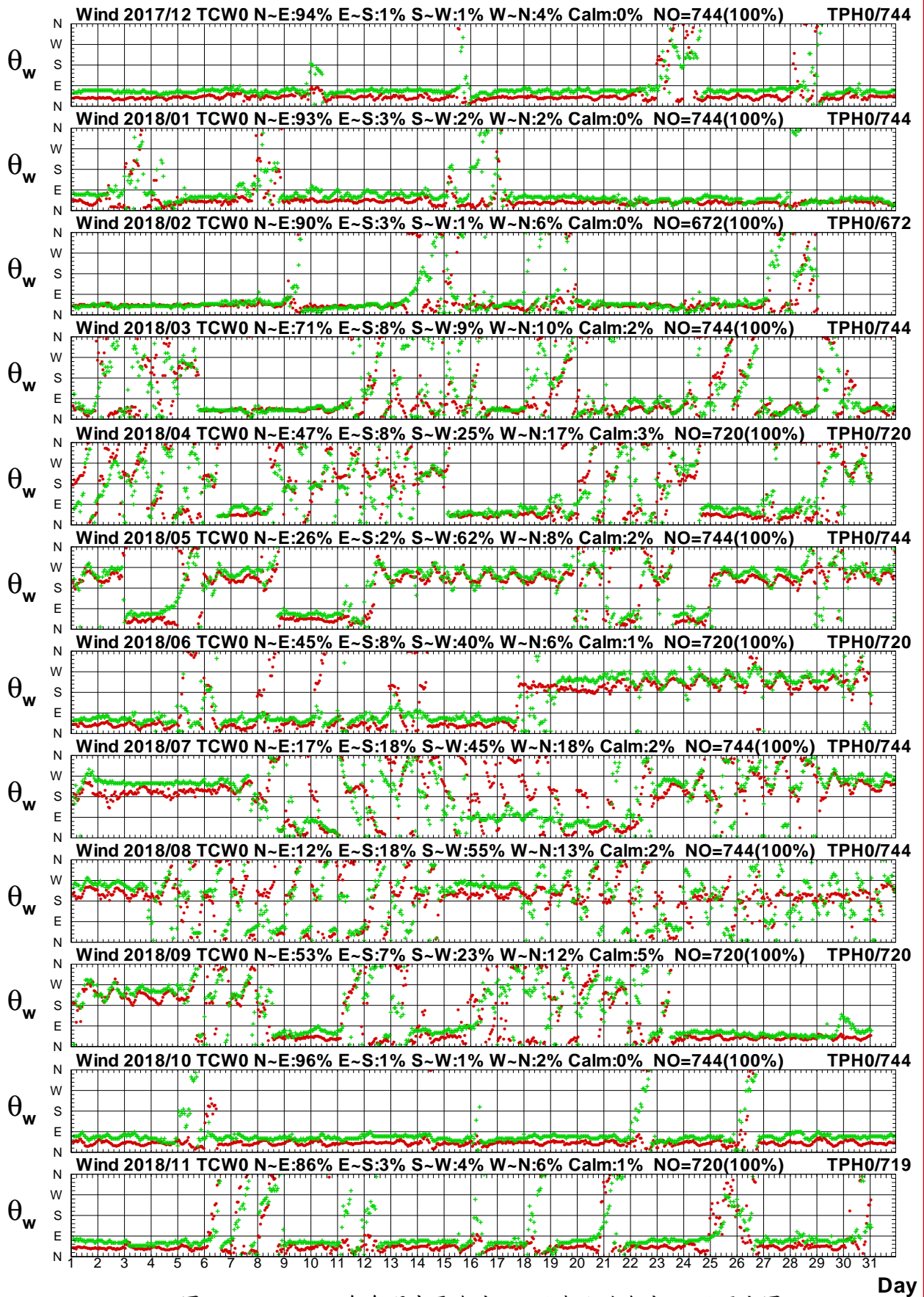


圖 1.3.16b 2018年每月中雲海域 W 站與北苗海域 H 站風向圖

W17TCW0.1HA W17CTPH0.1H0 W181TCW0.1HA W181TPH0.1H0 W182TCW0.1HA W182TPH0.1H0
 W183TCW0.1HA W183TPH0.1H0 W184TCW0.1HA W184TPH0.1H0 W185TCW0.1HA W185TPH0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

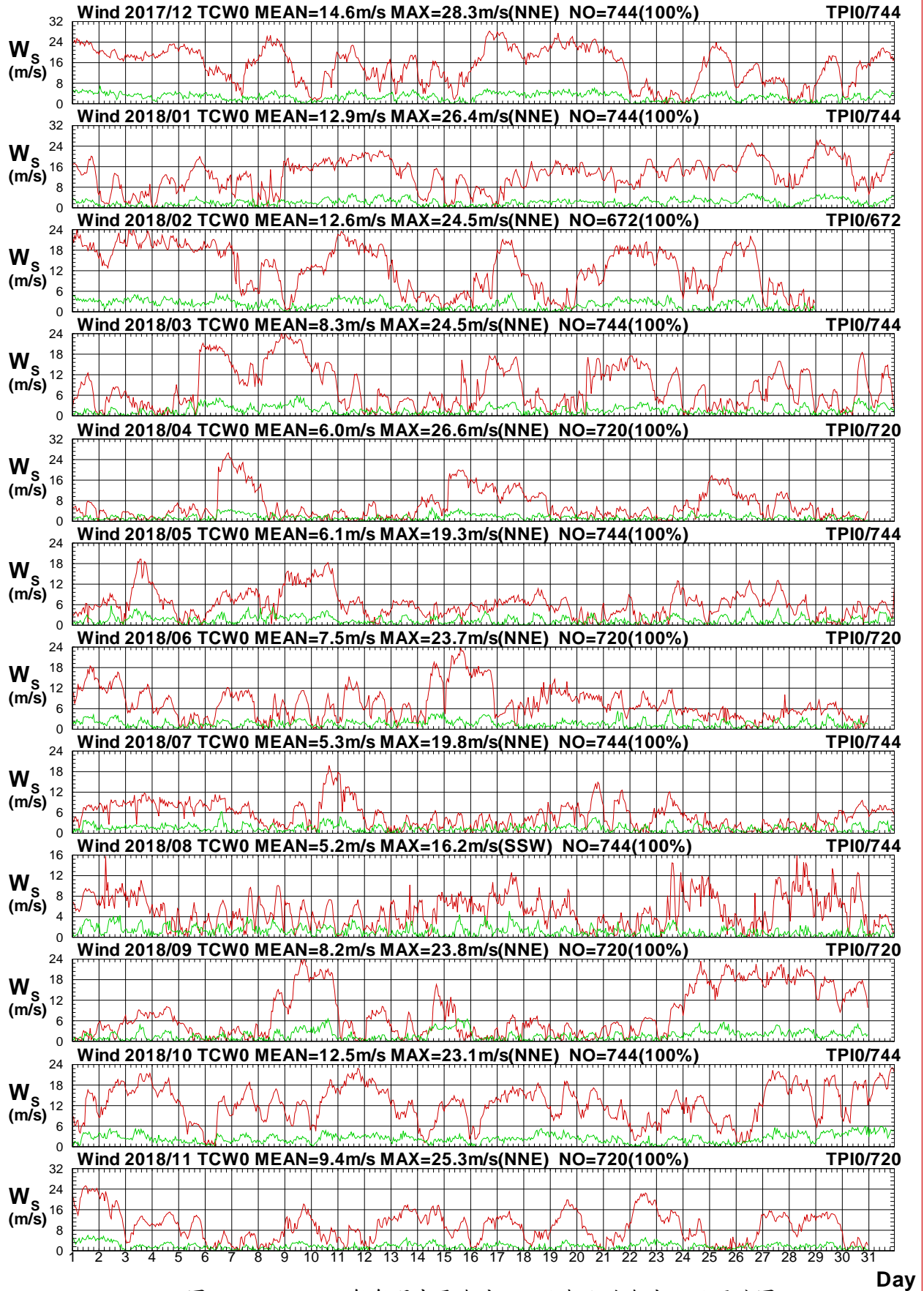


圖1.3.17a 2018年每月中雲海域 W 站與北苗海域 I 站風速圖

W17TCW0.1HA W17CTPI0.1H0 W181TCW0.1HA W181TPI0.1H0 W182TCW0.1HA W182TPI0.1H0
 W183TCW0.1HA W183TPI0.1H0 W184TCW0.1HA W184TPI0.1H0 W185TCW0.1HA W185TPI0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

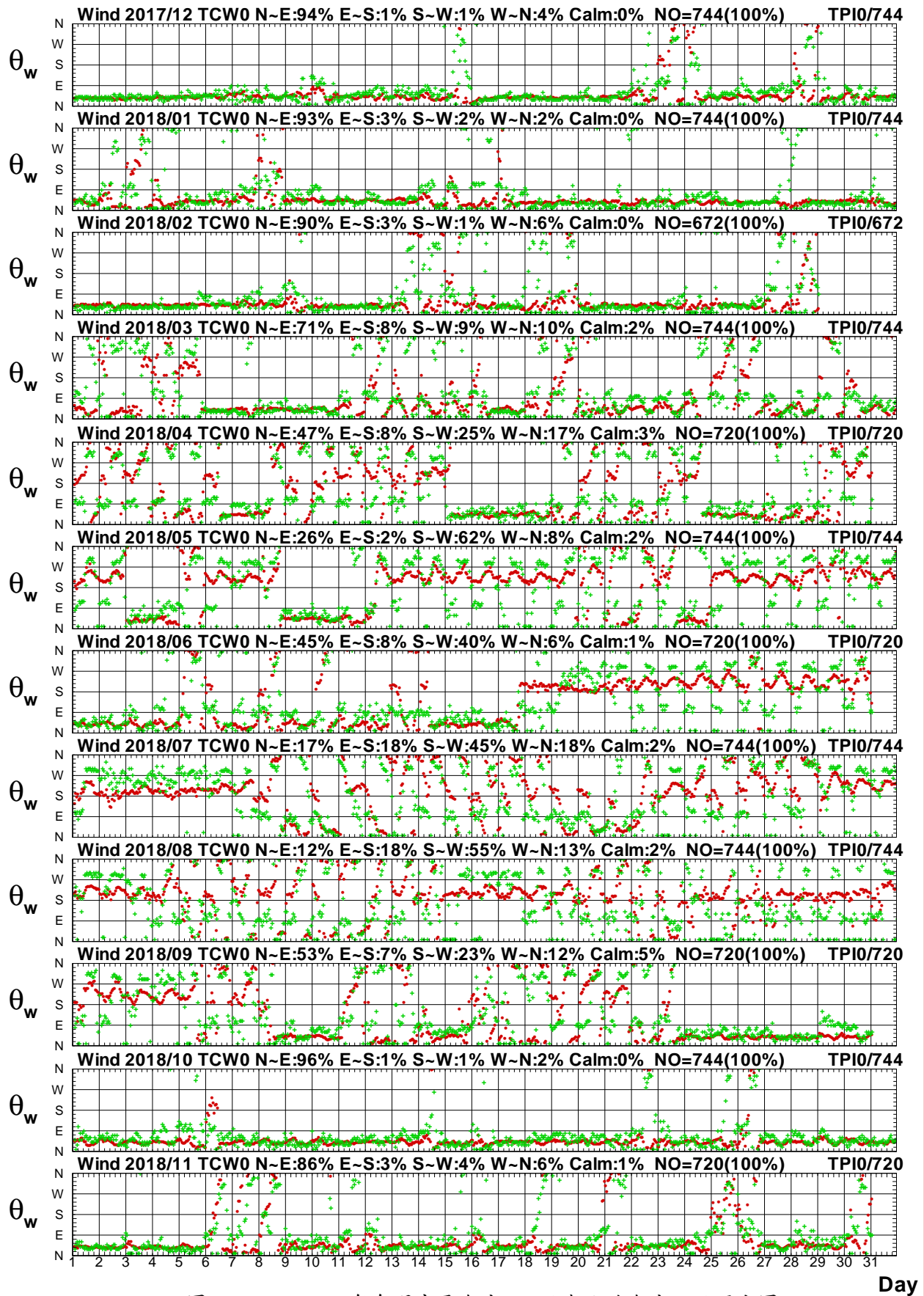


圖1.3.17b 2018年每月中雲海域 W 站與北苗海域 I 站風向圖

W17TCW0.1HA W17CTPI0.1H0 W181TCW0.1HA W181TPI0.1H0 W182TCW0.1HA W182TPI0.1H0
 W183TCW0.1HA W183TPI0.1H0 W184TCW0.1HA W184TPI0.1H0 W185TCW0.1HA W185TPI0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

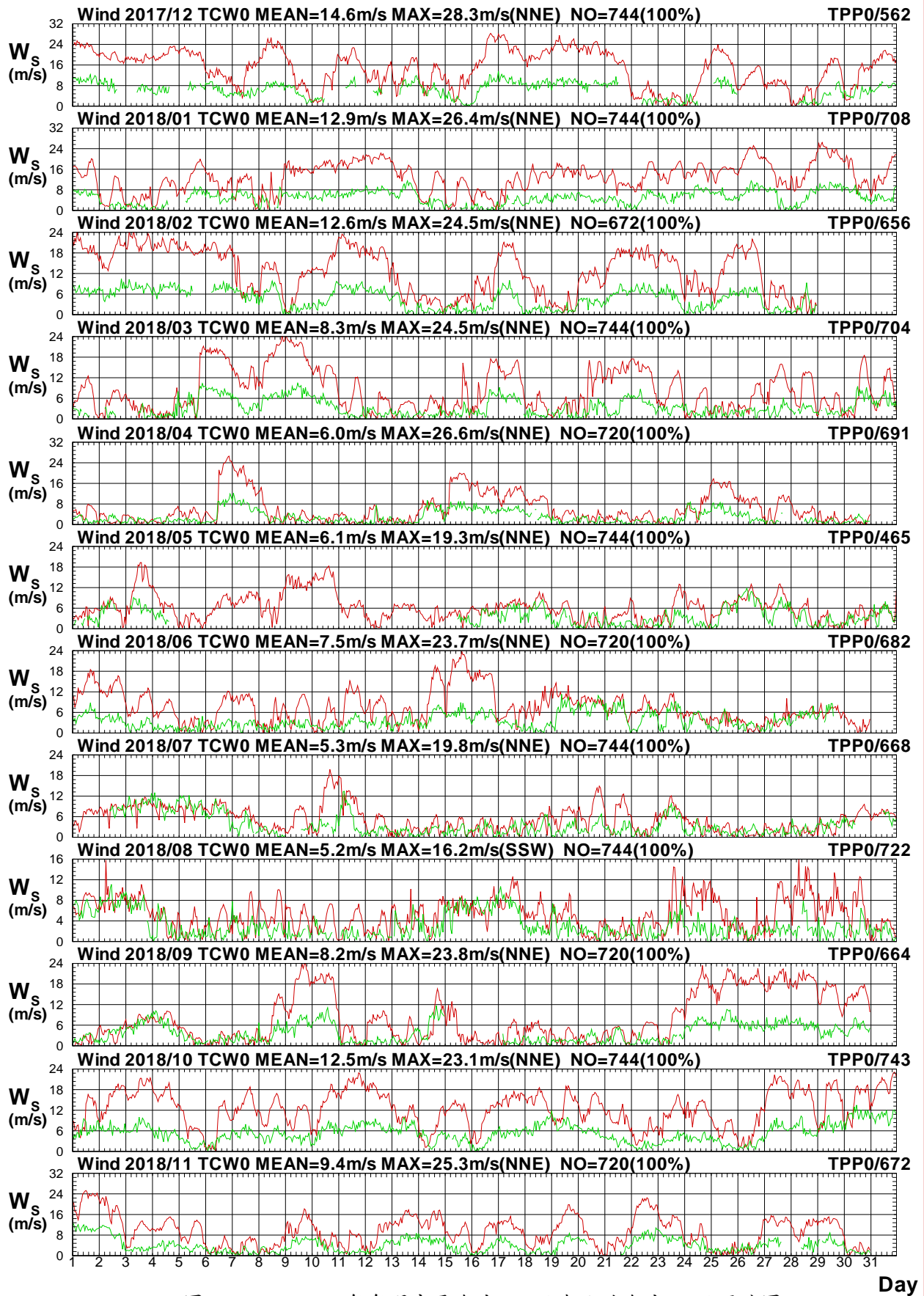


圖1.3.18a 2018年每月中雲海域 W 站與北苗海域 P 站風速圖

W17TCW0.1HA W17CTPP0.1H0 W181TCW0.1HA W181TPP0.1H0 W182TCW0.1HA W182TPP0.1H0
 W183TCW0.1HA W183TPP0.1H0 W184TCW0.1HA W184TPP0.1H0 W185TCW0.1HA W185TPP0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

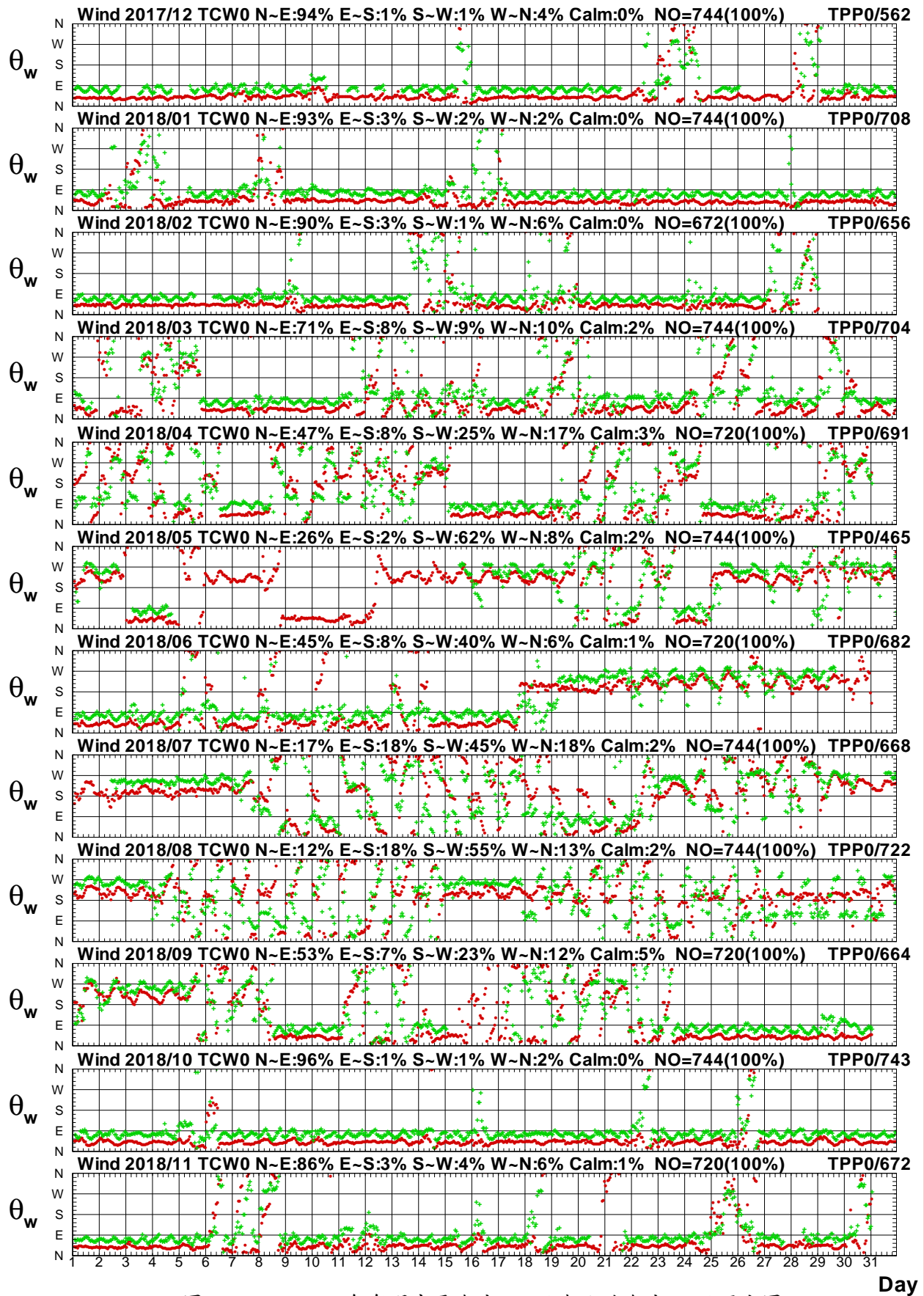


圖 1.3.18b 2018年每月中雲海域 W 站與北苗海域 P 站風向圖

W17TCW0.1HA W17CTPP0.1H0 W181TCW0.1HA W181TPP0.1H0 W182TCW0.1HA W182TPP0.1H0
 W183TCW0.1HA W183TPP0.1H0 W184TCW0.1HA W184TPP0.1H0 W185TCW0.1HA W185TPP0.1H0

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Wind Speed in Chung-Yun Seas of TCW0 at 2018

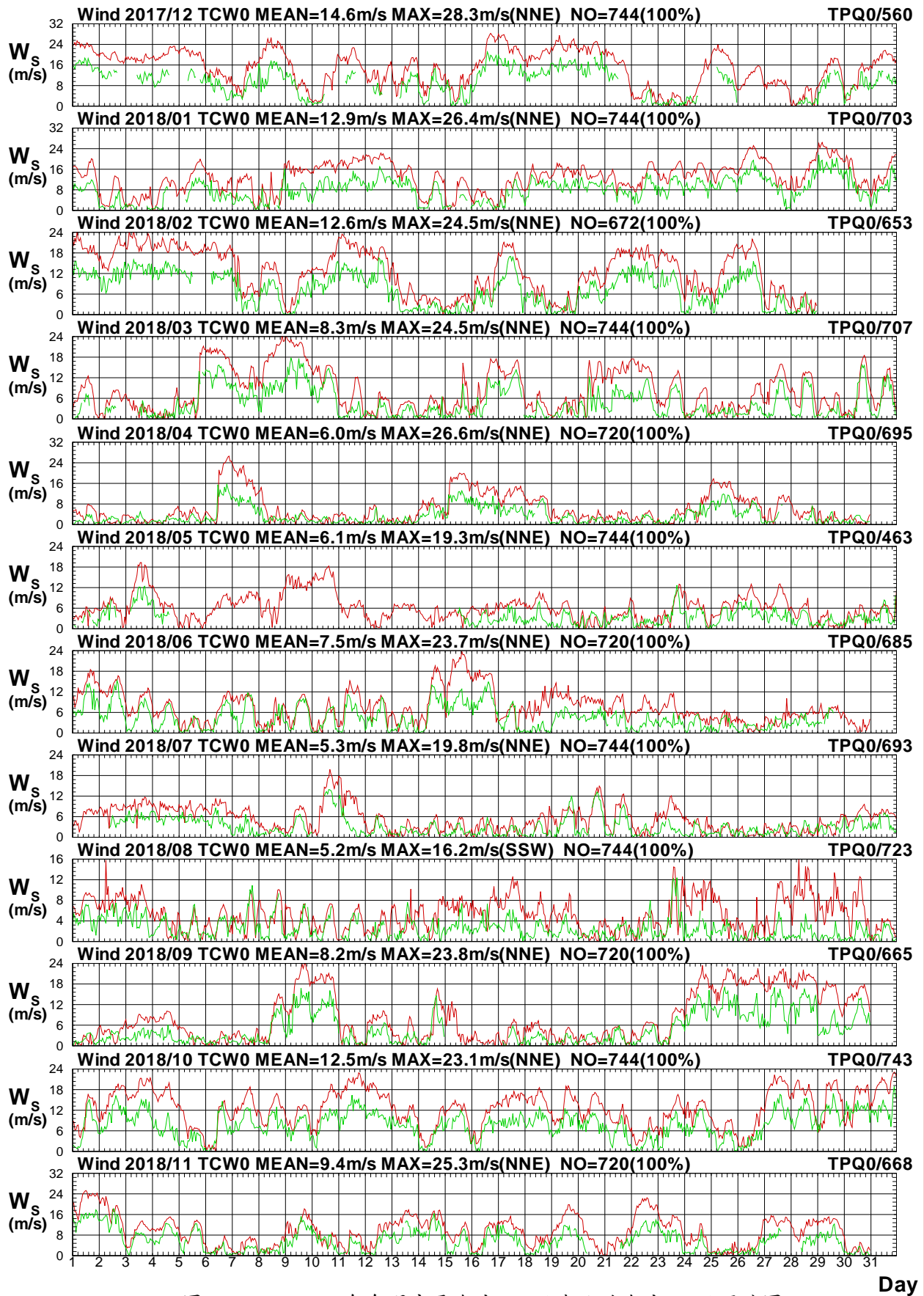


圖 1.3.19a 2018年每月中雲海域 W 站與北苗海域 Q 站風速圖

W17TCW0.1HA W17CTPQ0.1H0 W181TCW0.1HA W181TPQ0.1H0 W182TCW0.1HA W182TPQ0.1H0
 W183TCW0.1HA W183TPQ0.1H0 W184TCW0.1HA W184TPQ0.1H0 W185TCW0.1HA W185TPQ0.1H0

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Wind Direction in Chung-Yun Seas of TCW0 at 2018

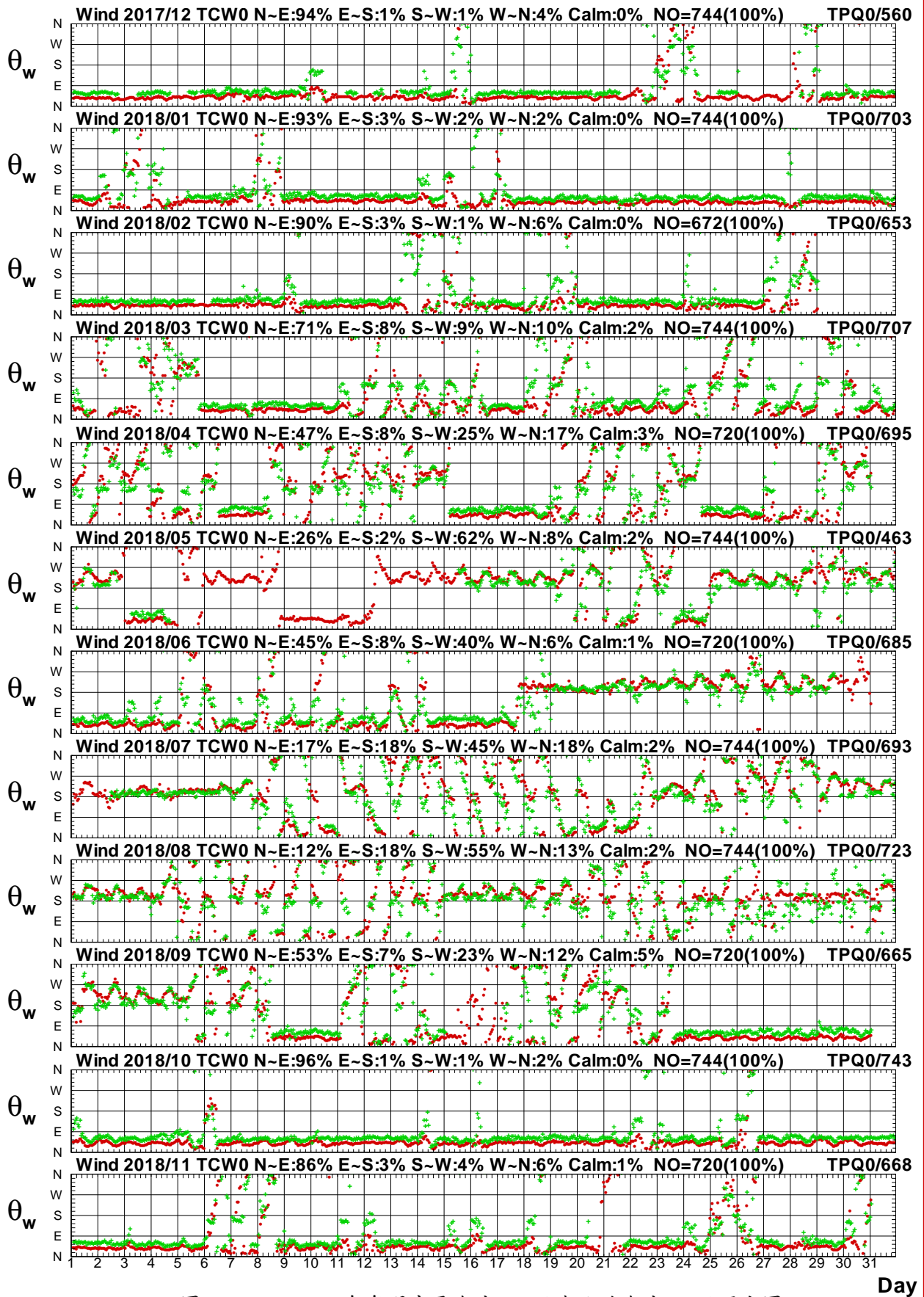


圖 1.3.19b 2018年每月中雲海域 W 站與北苗海域 Q 站風向圖

W17TCW0.1HA W17CTPQ0.1H0 W181TCW0.1HA W181TPQ0.1H0 W182TCW0.1HA W182TPQ0.1H0
 W183TCW0.1HA W183TPQ0.1H0 W184TCW0.1HA W184TPQ0.1H0 W185TCW0.1HA W185TPQ0.1H0

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1.4 2018年中雲海域風力**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 Chung-Yun Seas of TCI0 at 2018

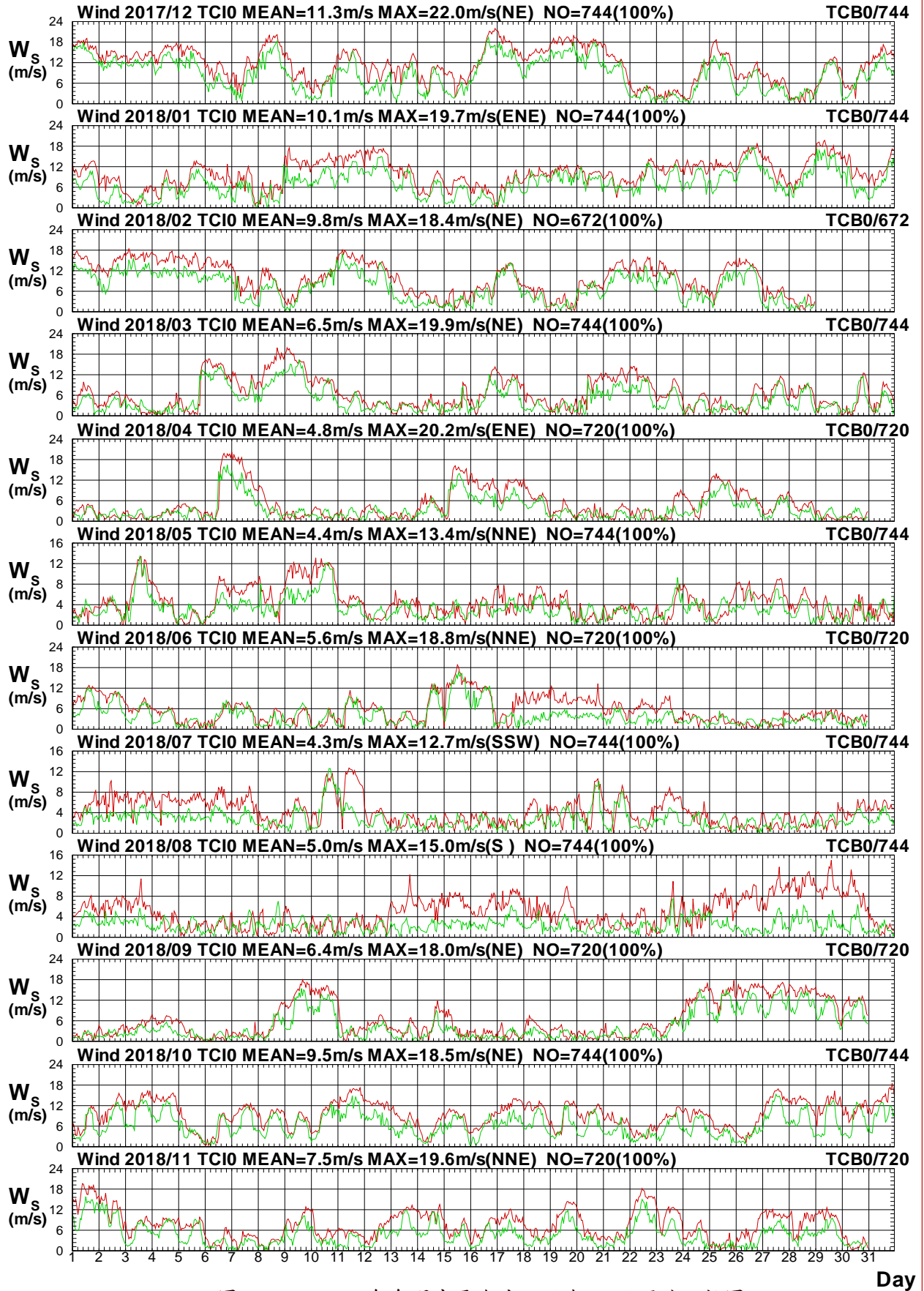


圖1.4.1a 2018年每月中雲海域 I 站與 B 站風速比較圖

Wind Direction in Chung-Yun Seas of TC10 at 2018

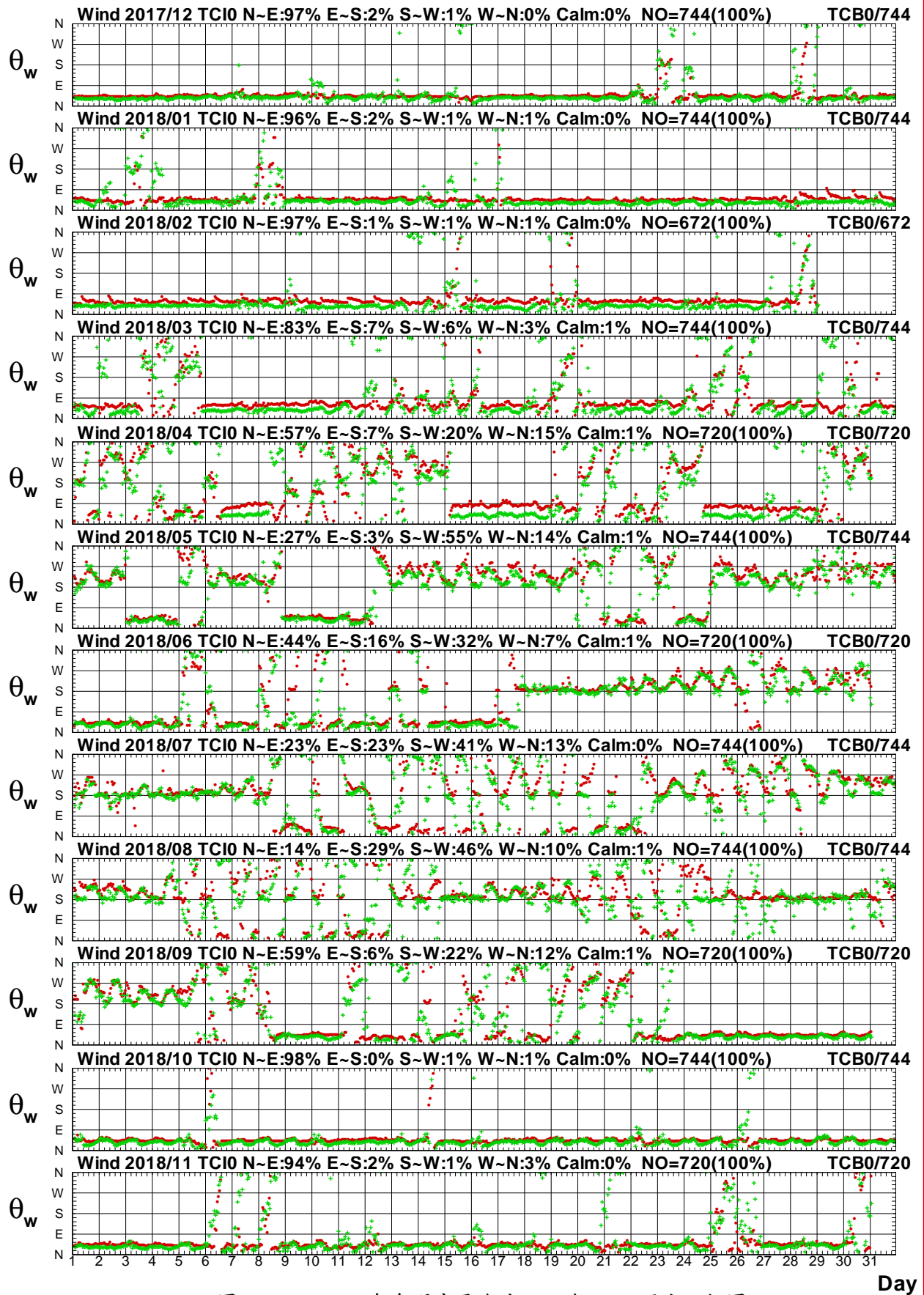


圖1.4.1b 2018年每月中雲海域 I 站與 B 站風向比較圖

W17CTC10.1HA W17CTCB0.1HO W181TC10.1HA W181TCB0.1HO W182TC10.1HA W182TCB0.1HO
 W183TC10.1HA W183TCB0.1HO W184TC10.1HA W184TCB0.1HO W185TC10.1HA W185TCB0.1HO

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Wind Speed in Chung-Yun Seas of TC10 at 2018

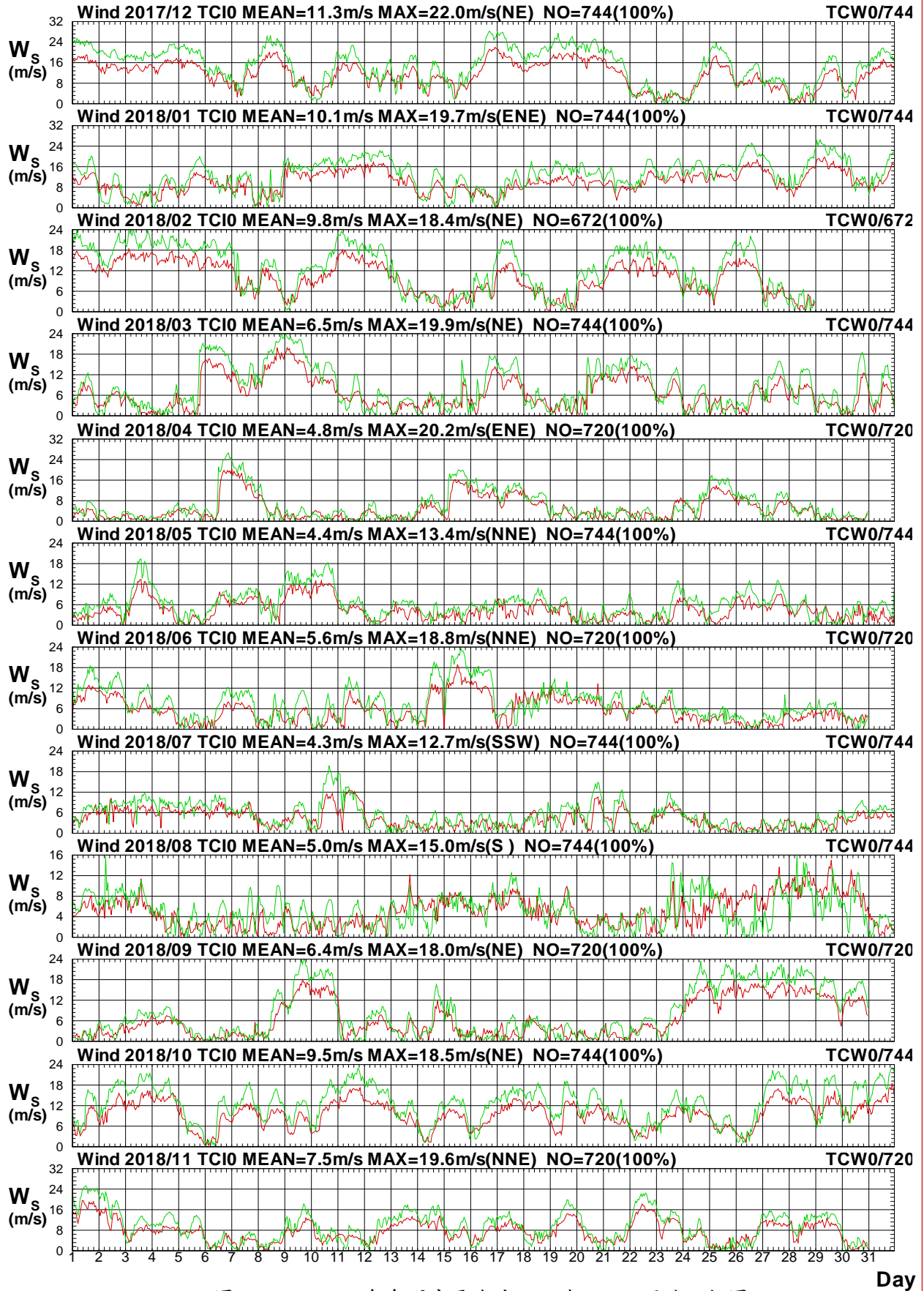


圖1.4.2a 2018年每月中雲海域 I 站與 W 站風速比較圖

W17TC10.1HA W17TCW0.1H0 W181TC10.1HA W181TCW0.1H0 W182TC10.1HA W182TCW0.1H0
 W183TC10.1HA W183TCW0.1H0 W184TC10.1HA W184TCW0.1H0 W185TC10.1HA W185TCW0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

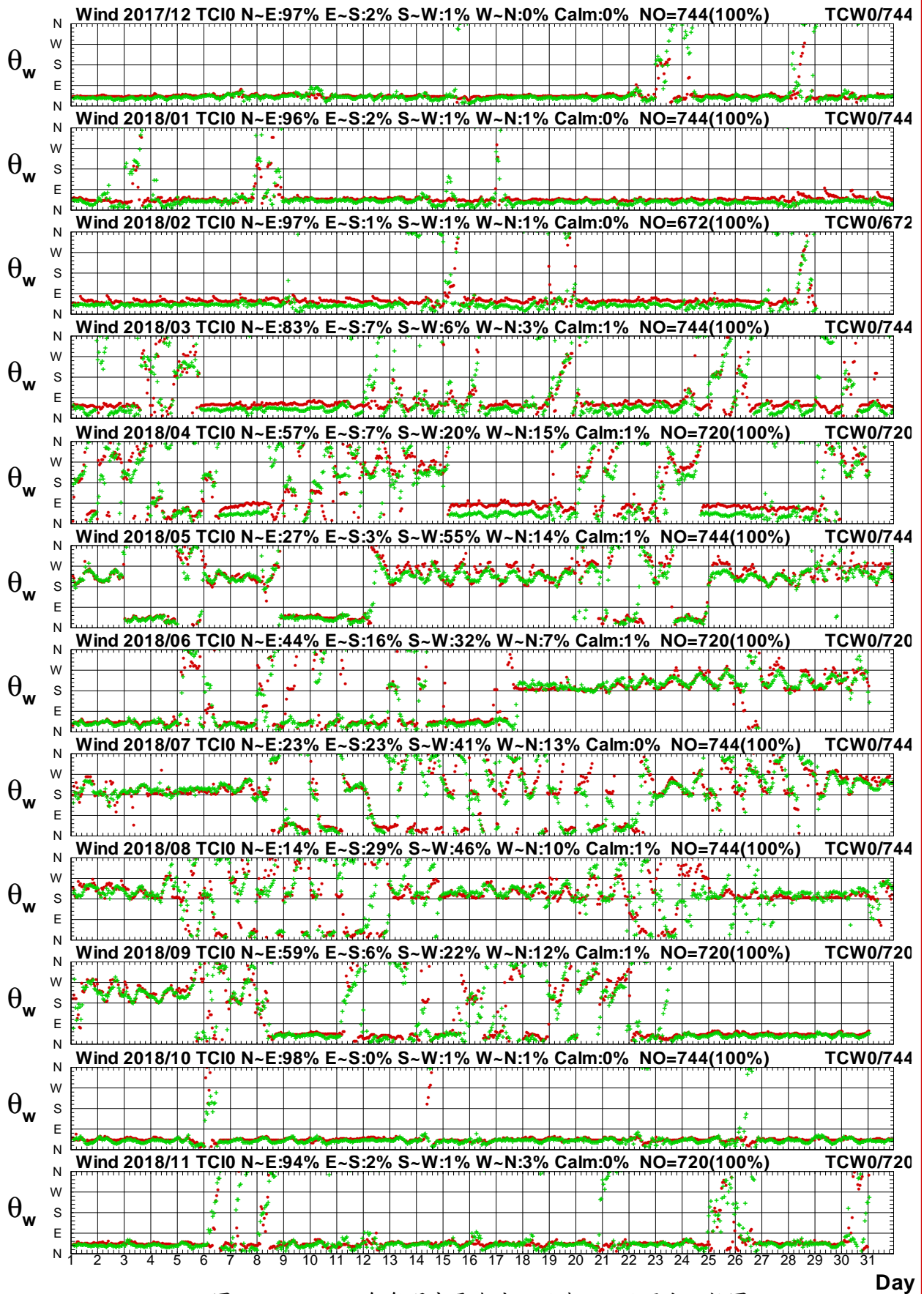


圖1.4.2b 2018年每月中雲海域 I 站與 W 站風向比較圖

W17TCI0.1HA W17TCW0.1H0 W181TCI0.1HA W181TCW0.1H0 W182TCI0.1HA W182TCW0.1H0
 W183TCI0.1HA W183TCW0.1H0 W184TCI0.1HA W184TCW0.1H0 W185TCI0.1HA W185TCW0.1H0

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Wind Speed in Chung-Yun Seas of TCI0 at 2018

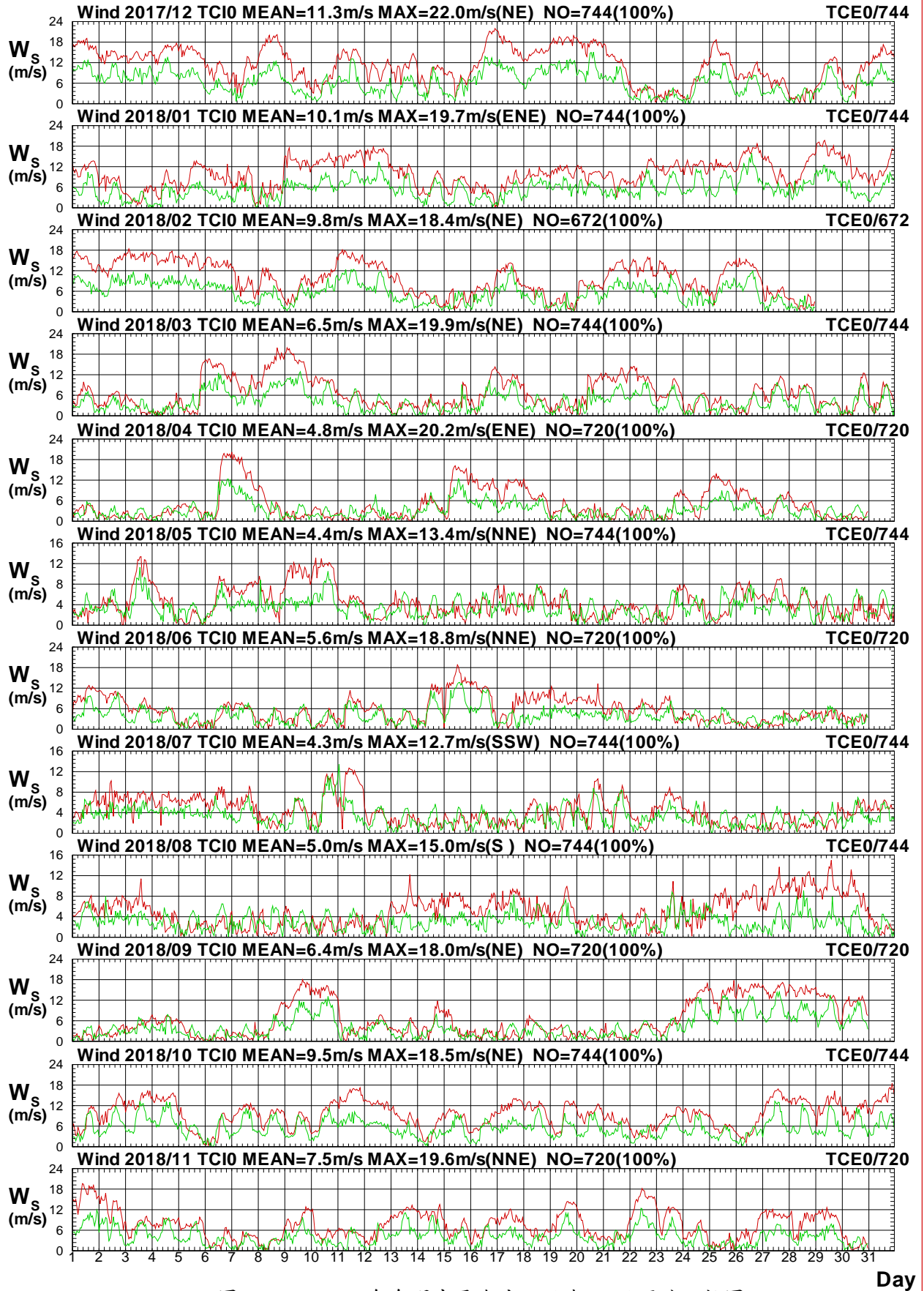


圖1.4.3a 2018年每月中雲海域 I 站與 E 站風速比較圖

W17TCI0.1HA W17CTCE0.1H0 W181TCI0.1HA W181TCE0.1H0 W182TCI0.1HA W182TCE0.1H0
 W183TCI0.1HA W183TCE0.1H0 W184TCI0.1HA W184TCE0.1H0 W185TCI0.1HA W185TCE0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

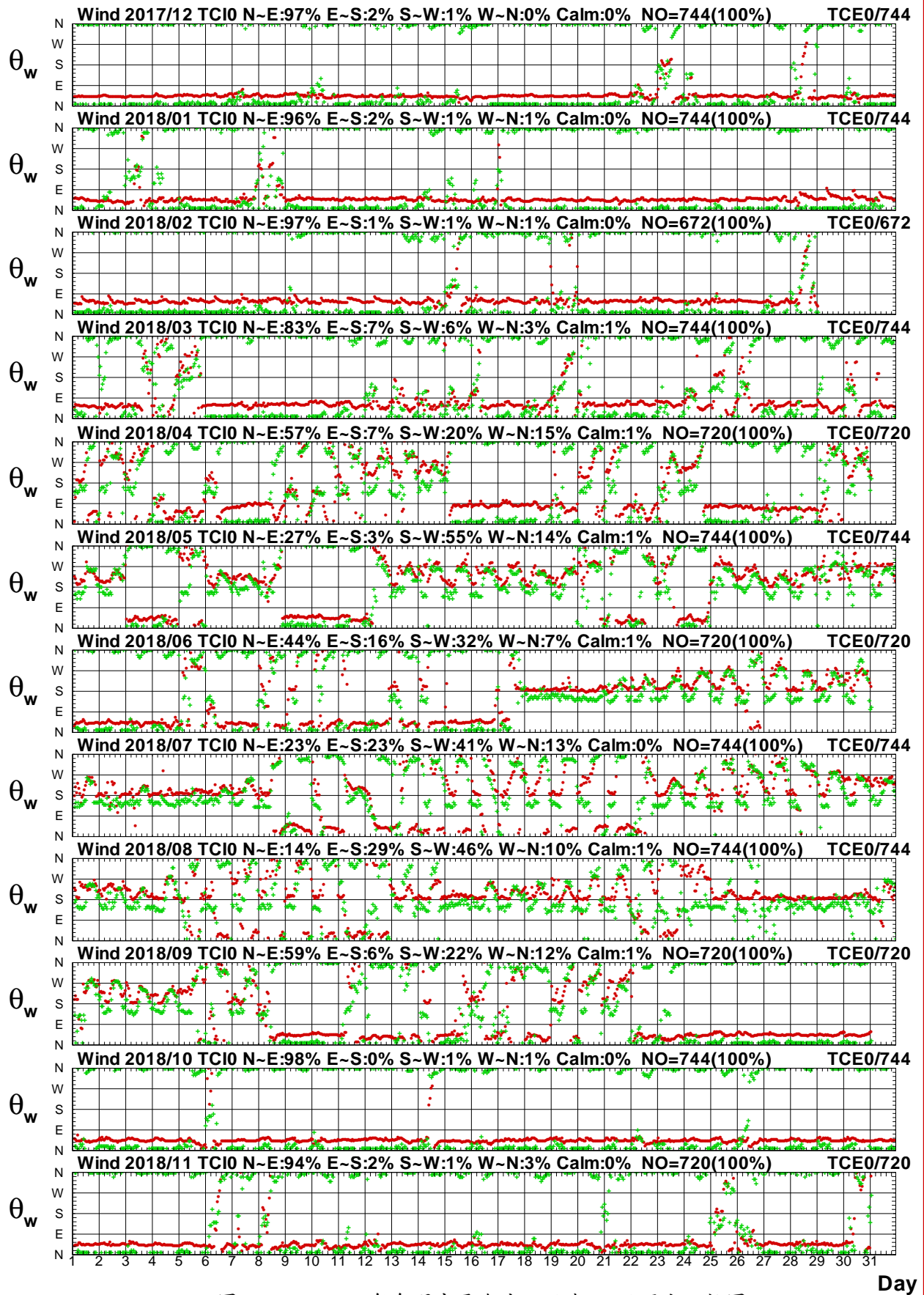


圖1.4.3b 2018年每月中雲海域 I 站與 E 站風向比較圖

W17CTCI0.1HA W17CTCE0.1H0 W181TCI0.1HA W181TCE0.1H0 W182TCI0.1HA W182TCE0.1H0
 W183TCI0.1HA W183TCE0.1H0 W184TCI0.1HA W184TCE0.1H0 W185TCI0.1HA W185TCE0.1H0

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Wind Speed in Chung-Yun Seas of TC10 at 2018

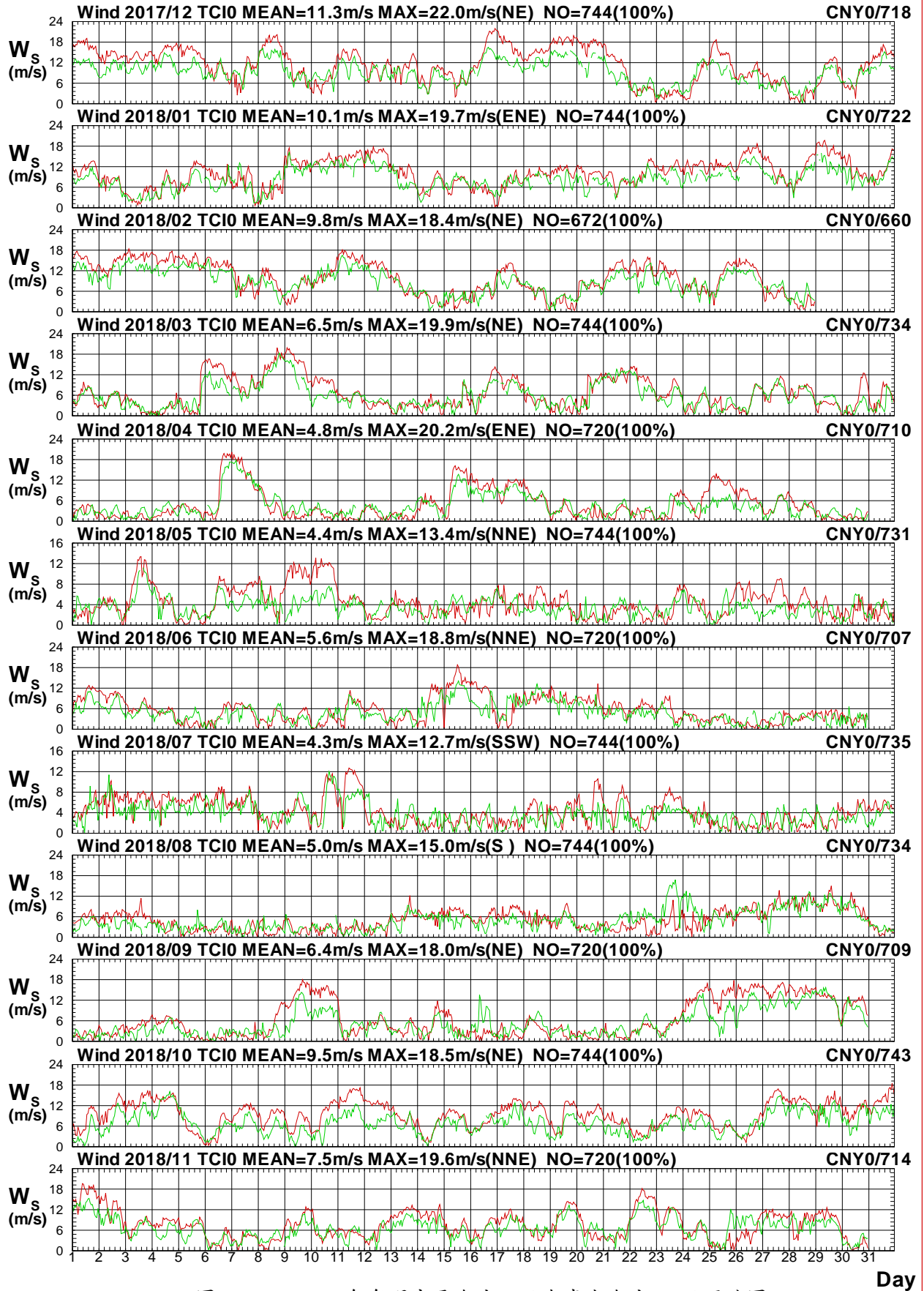


圖1.4.4a 2018年每月中雲海域 I 站與嘉南海域 Y 站風速圖

W17TC10.1HA W17CCNY0.1H0 W181TC10.1HA W181CNY0.1H0 W182TC10.1HA W182CNY0.1H0
 W183TC10.1HA W183CNY0.1H0 W184TC10.1HA W184CNY0.1H0 W185TC10.1HA W185CNY0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

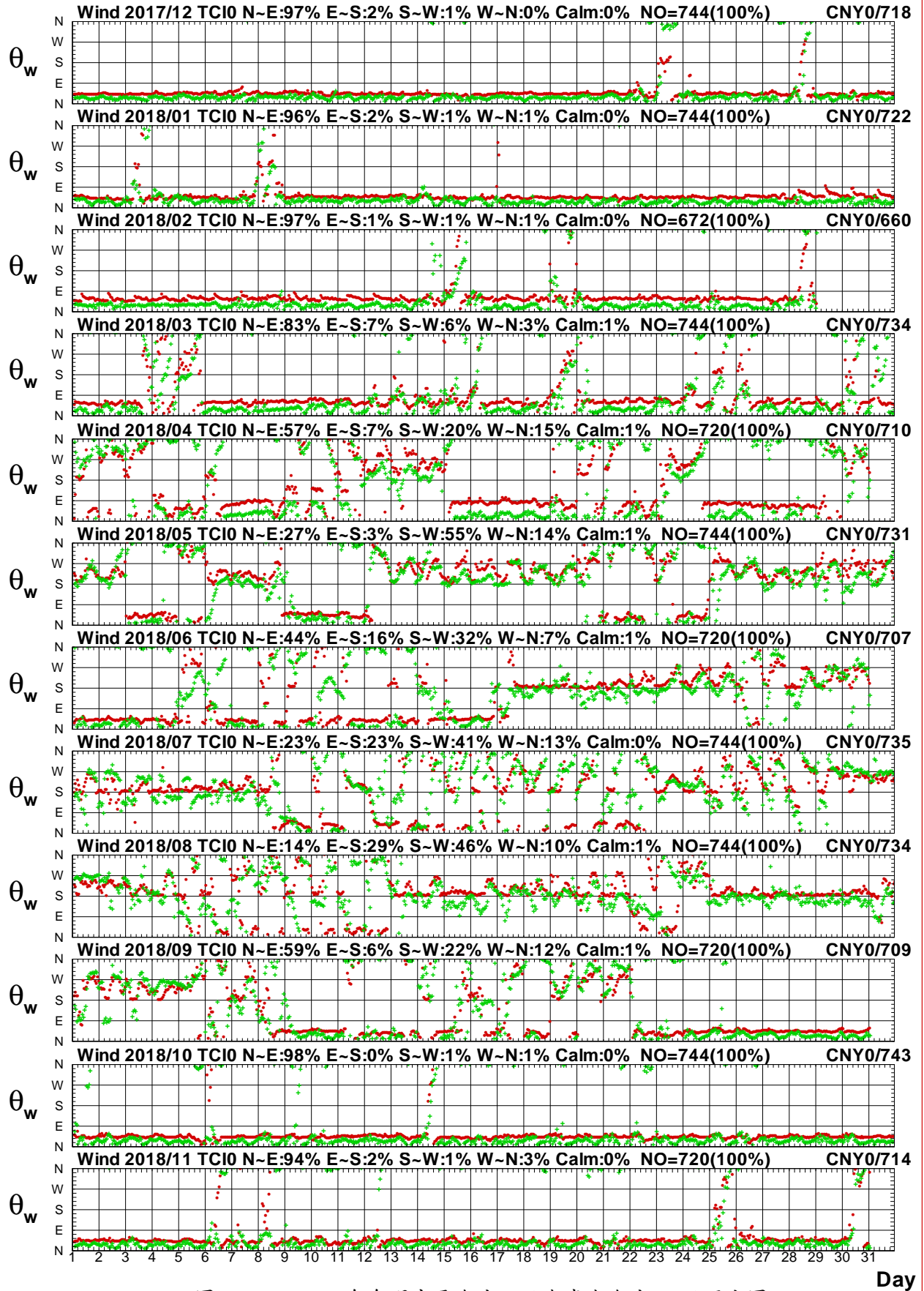


圖1.4.4b 2018年每月中雲海域 I 站與嘉南海域 Y 站風向圖

Wind Speed in Chung-Yun Seas of TCI0 at 2018

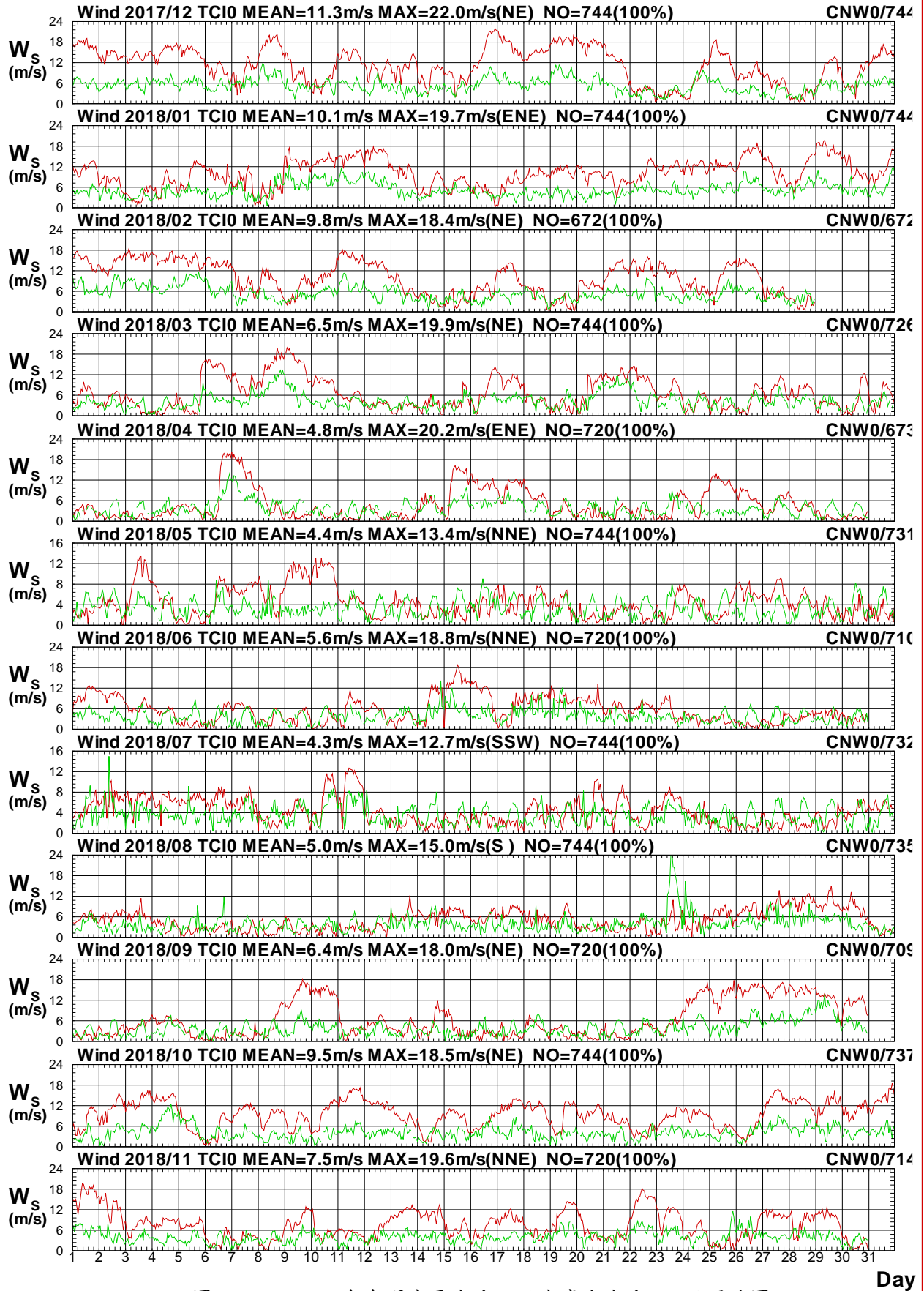


圖1.4.5a 2018年每月中雲海域 I 站與嘉南海域 W 站風速圖

W17TCI0.1HA W17CCNW0.1H0 W181TCI0.1HA W181CNW0.1H0 W182TCI0.1HA W182CNW0.1H0
 W183TCI0.1HA W183CNW0.1H0 W184TCI0.1HA W184CNW0.1H0 W185TCI0.1HA W185CNW0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

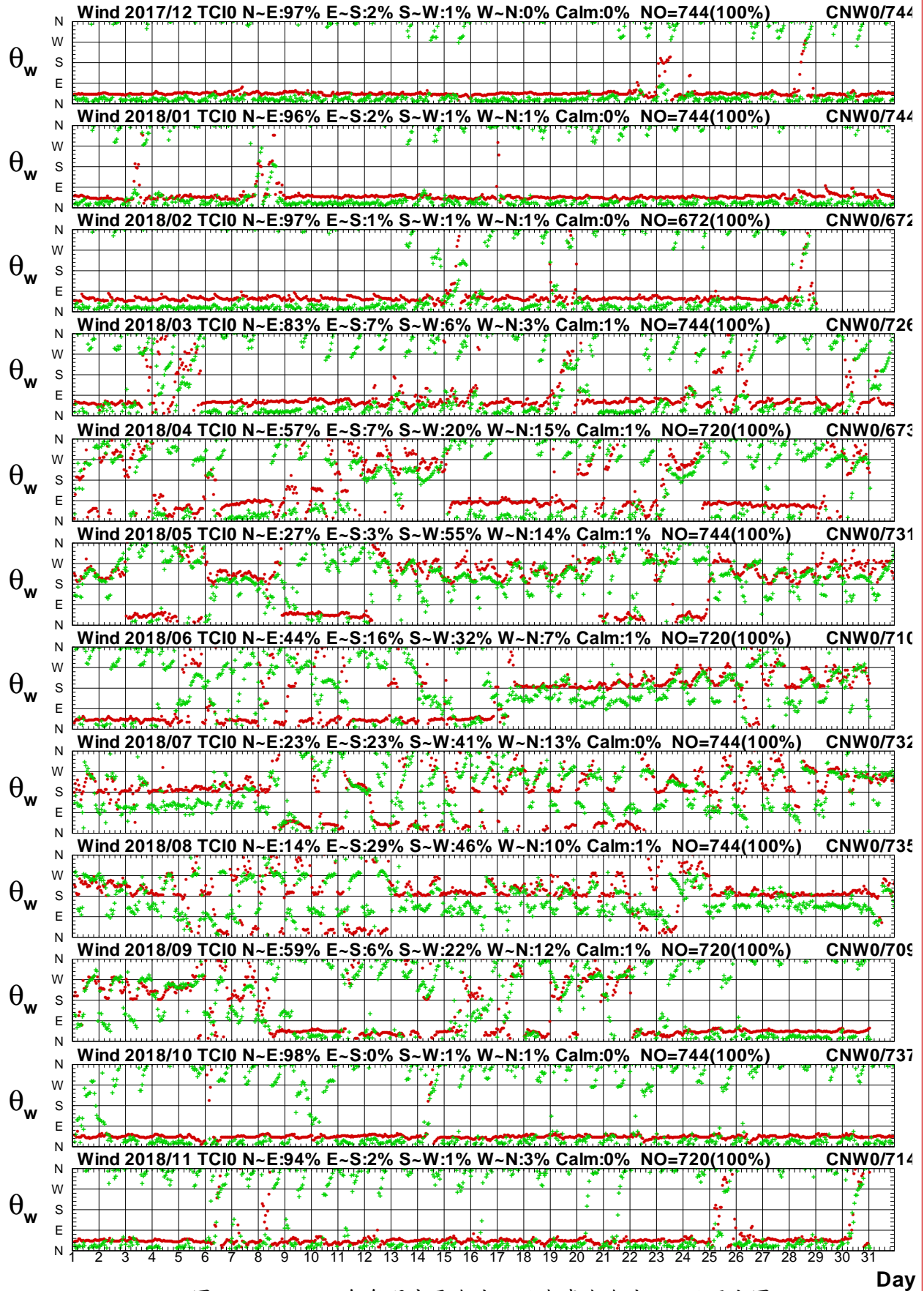


圖1.4.5b 2018年每月中雲海域 I 站與嘉南海域 W 站風向圖

W17TCI0.1HA W17CCNW0.1H0 W181TCI0.1HA W181CNW0.1H0 W182TCI0.1HA W182CNW0.1H0
 W183TCI0.1HA W183CNW0.1H0 W184TCI0.1HA W184CNW0.1H0 W185TCI0.1HA W185CNW0.1H0

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Wind Speed in Chung-Yun Seas of TCI0 at 2018

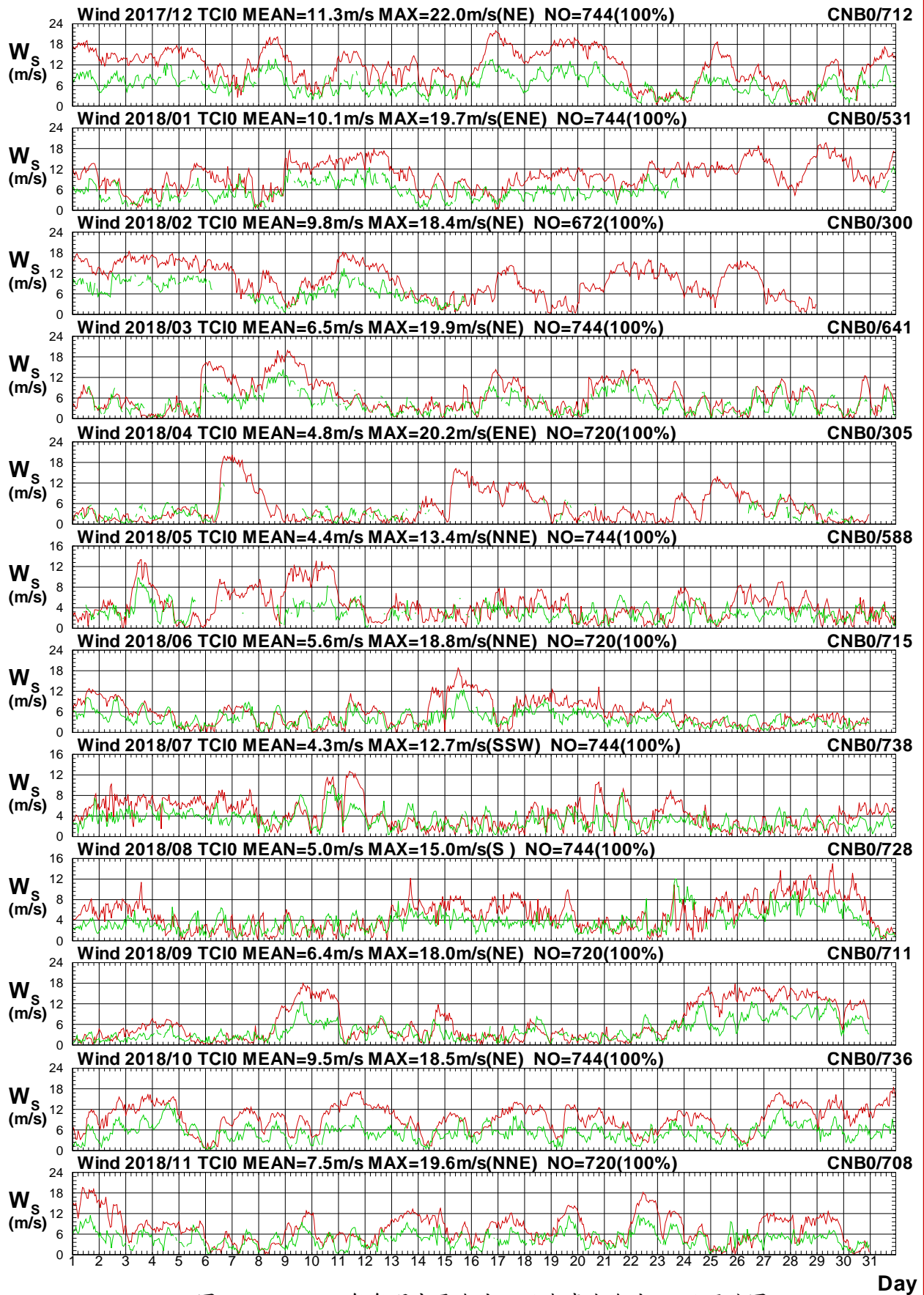


圖1.4.6a 2018年每月中雲海域 I 站與嘉南海域 B 站風速圖

W17TCI0.1HA W17CCNB0.1H0 W181TCI0.1HA W181CNB0.1H0 W182TCI0.1HA W182CNB0.1H0
W183TCI0.1HA W183CNB0.1H0 W184TCI0.1HA W184CNB0.1H0 W185TCI0.1HA W185CNB0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

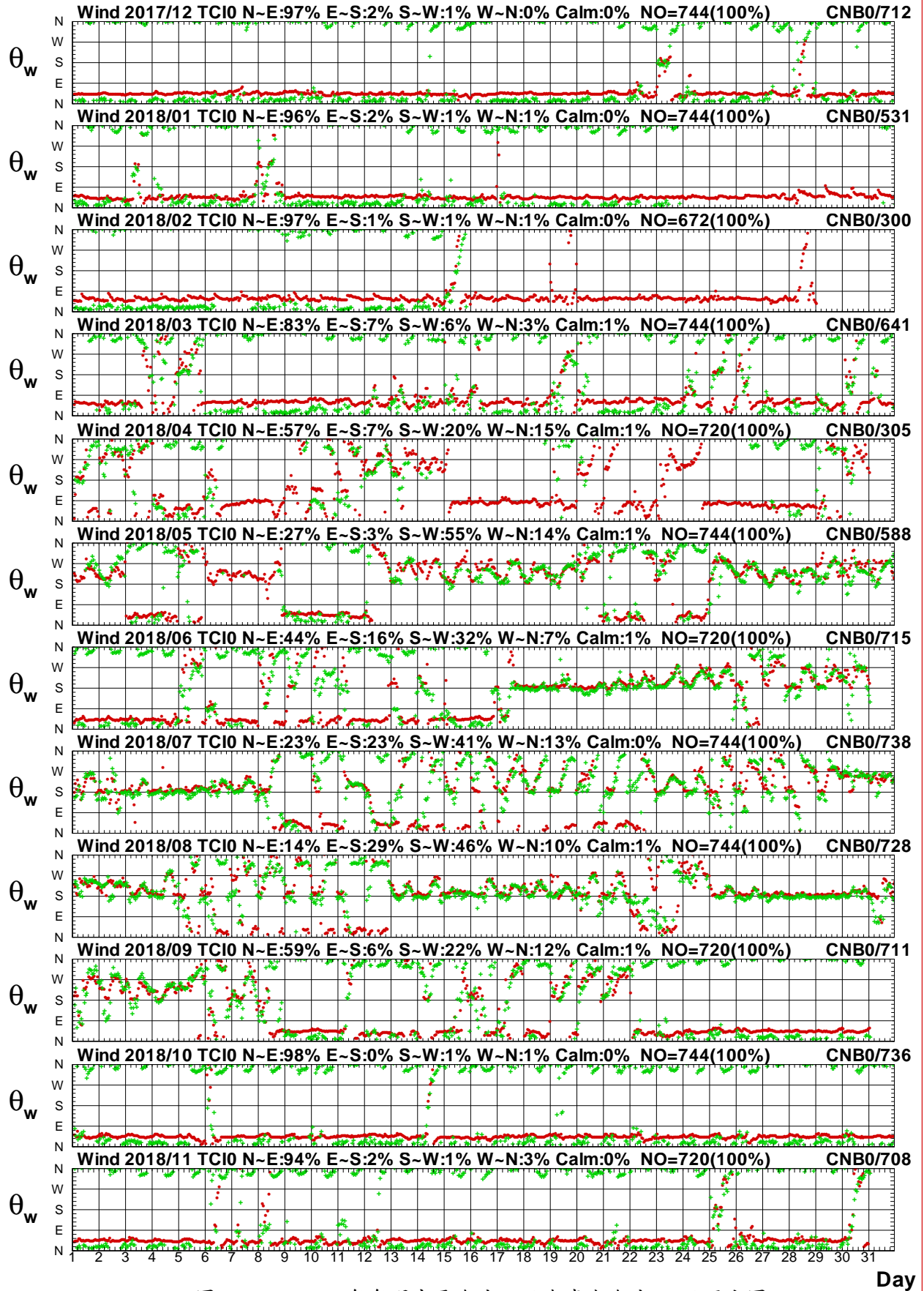


圖1.4.6b 2018年每月中雲海域 I 站與嘉南海域 B 站風向圖

W17TCI0.1HA W17CCNB0.1H0 W181TCI0.1HA W181CNB0.1H0 W182TCI0.1HA W182CNB0.1H0
 W183TCI0.1HA W183CNB0.1H0 W184TCI0.1HA W184CNB0.1H0 W185TCI0.1HA W185CNB0.1H0

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Wind Speed in Chung-Yun Seas of TCI0 at 2018

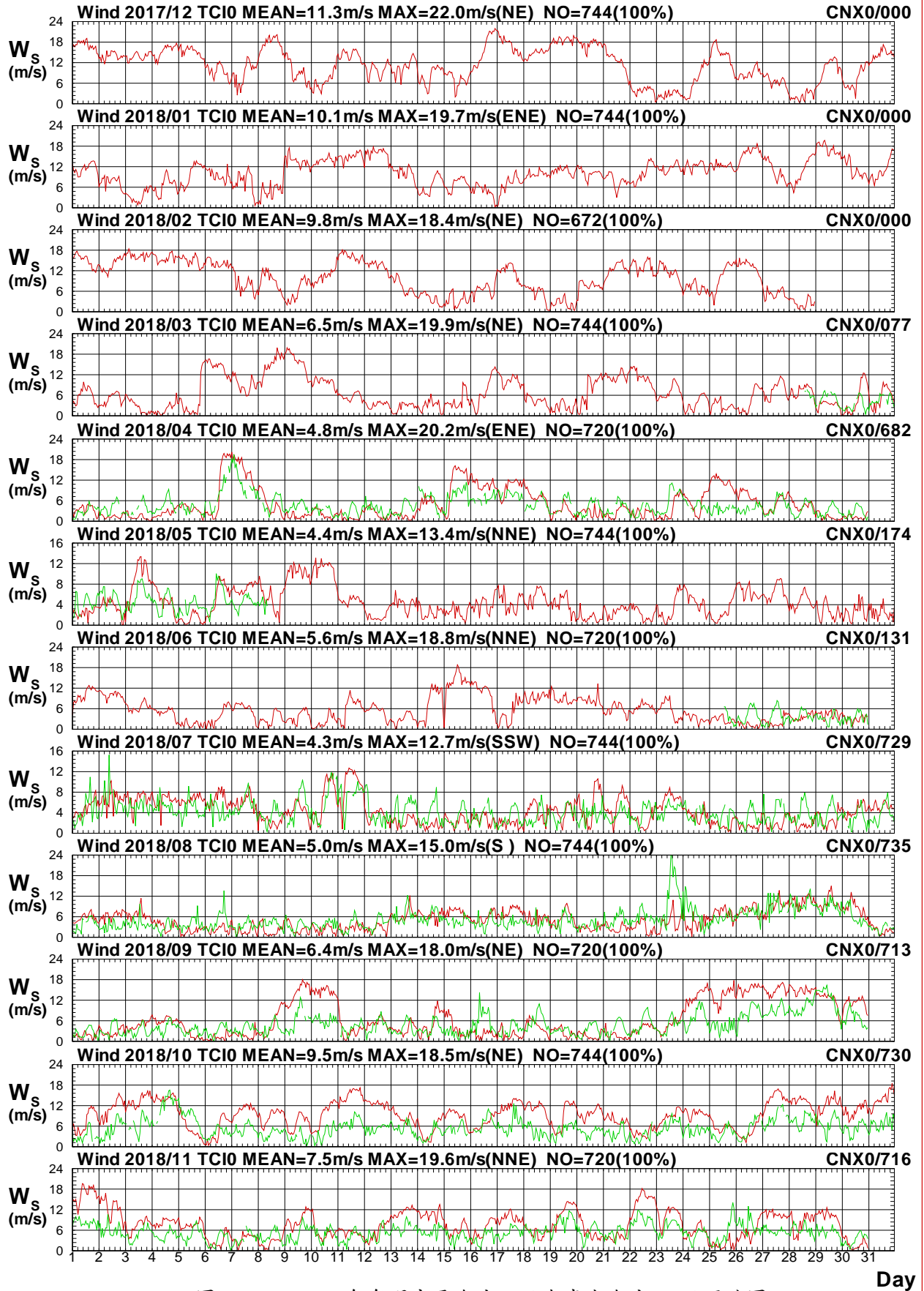


圖1.4.7a 2018年每月中雲海域 I 站與嘉南海域 X 站風速圖

W17TCI0.1HA W17CCNX0.1H0 W181TCI0.1HA W181CNX0.1H0 W182TCI0.1HA W182CNX0.1H0
 W183TCI0.1HA W183CNX0.1H0 W184TCI0.1HA W184CNX0.1H0 W185TCI0.1HA W185CNX0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

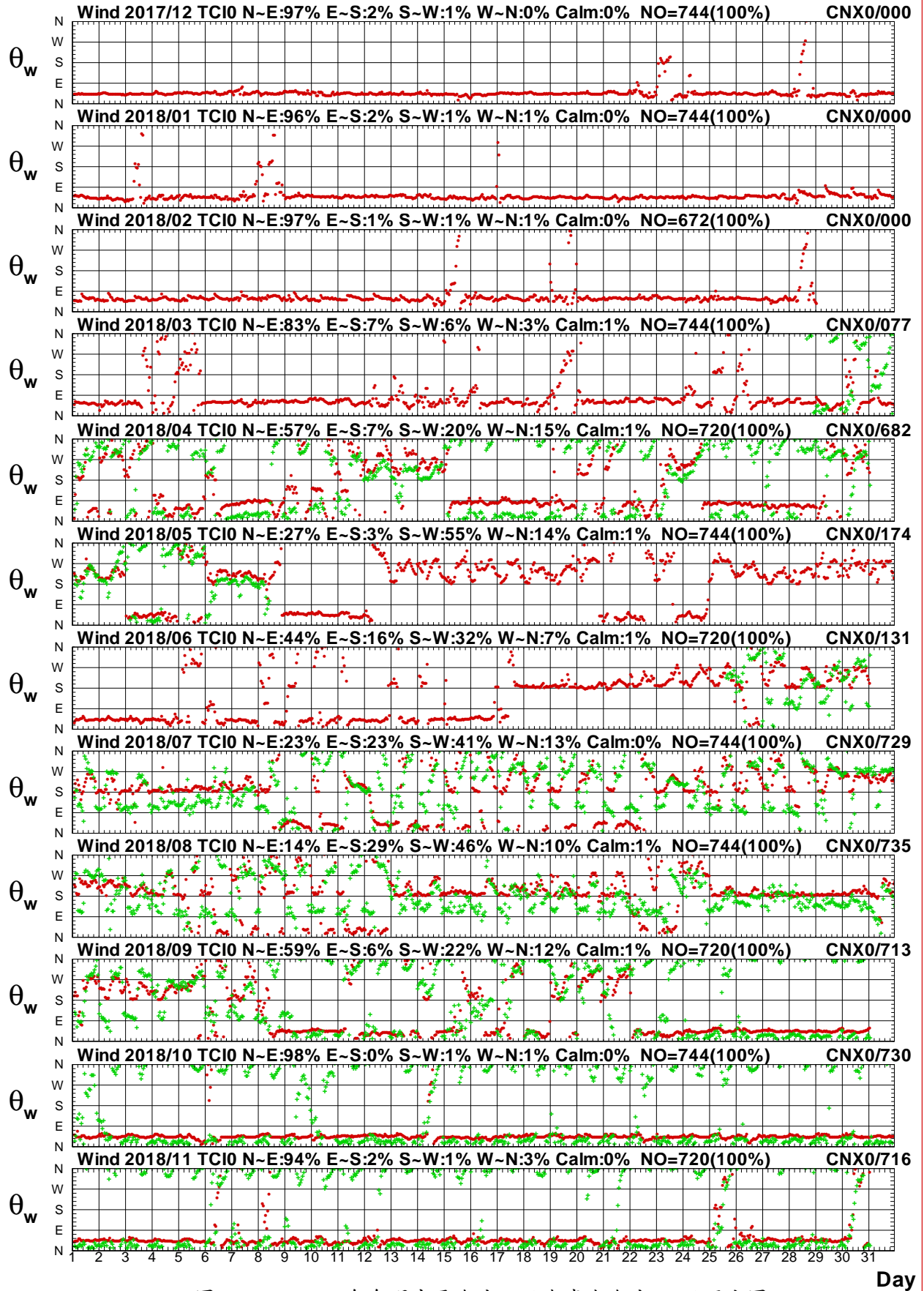


圖1.4.7b 2018年每月中雲海域 I 站與嘉南海域 X 站風向圖

W17TCI0.1HA W17CCNX0.1H0 W181TCI0.1HA W181CNX0.1H0 W182TCI0.1HA W182CNX0.1H0
 W183TCI0.1HA W183CNX0.1H0 W184TCI0.1HA W184CNX0.1H0 W185TCI0.1HA W185CNX0.1H0

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Wind Speed in Chung-Yun Seas of TC10 at 2018

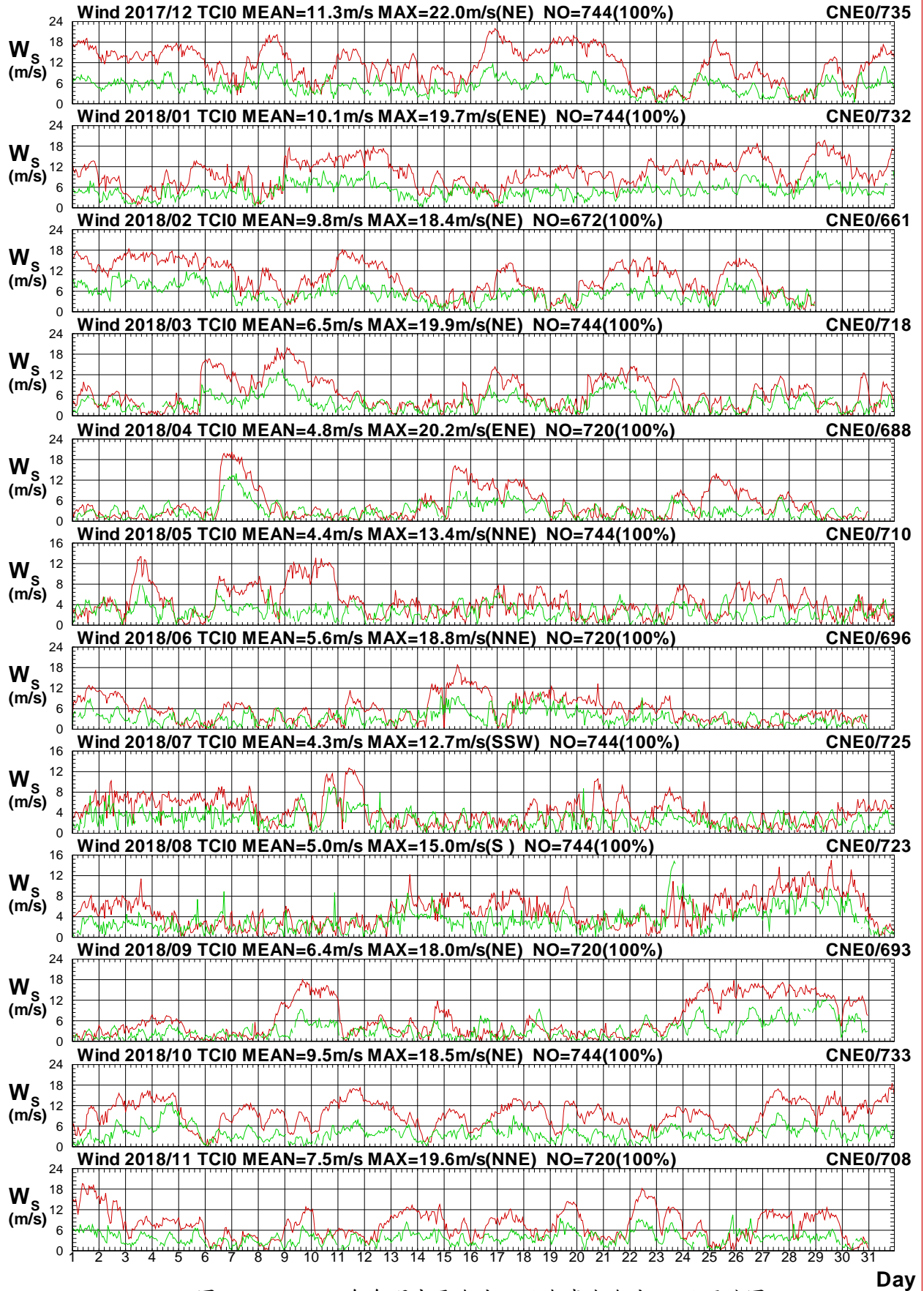


圖1.4.8a 2018年每月中雲海域 I 站與嘉南海域 E 站風速圖

W17TC10.1HA W17CCNE0.1H0 W181TC10.1HA W181CNE0.1H0 W182TC10.1HA W182CNE0.1H0
 W183TC10.1HA W183CNE0.1H0 W184TC10.1HA W184CNE0.1H0 W185TC10.1HA W185CNE0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

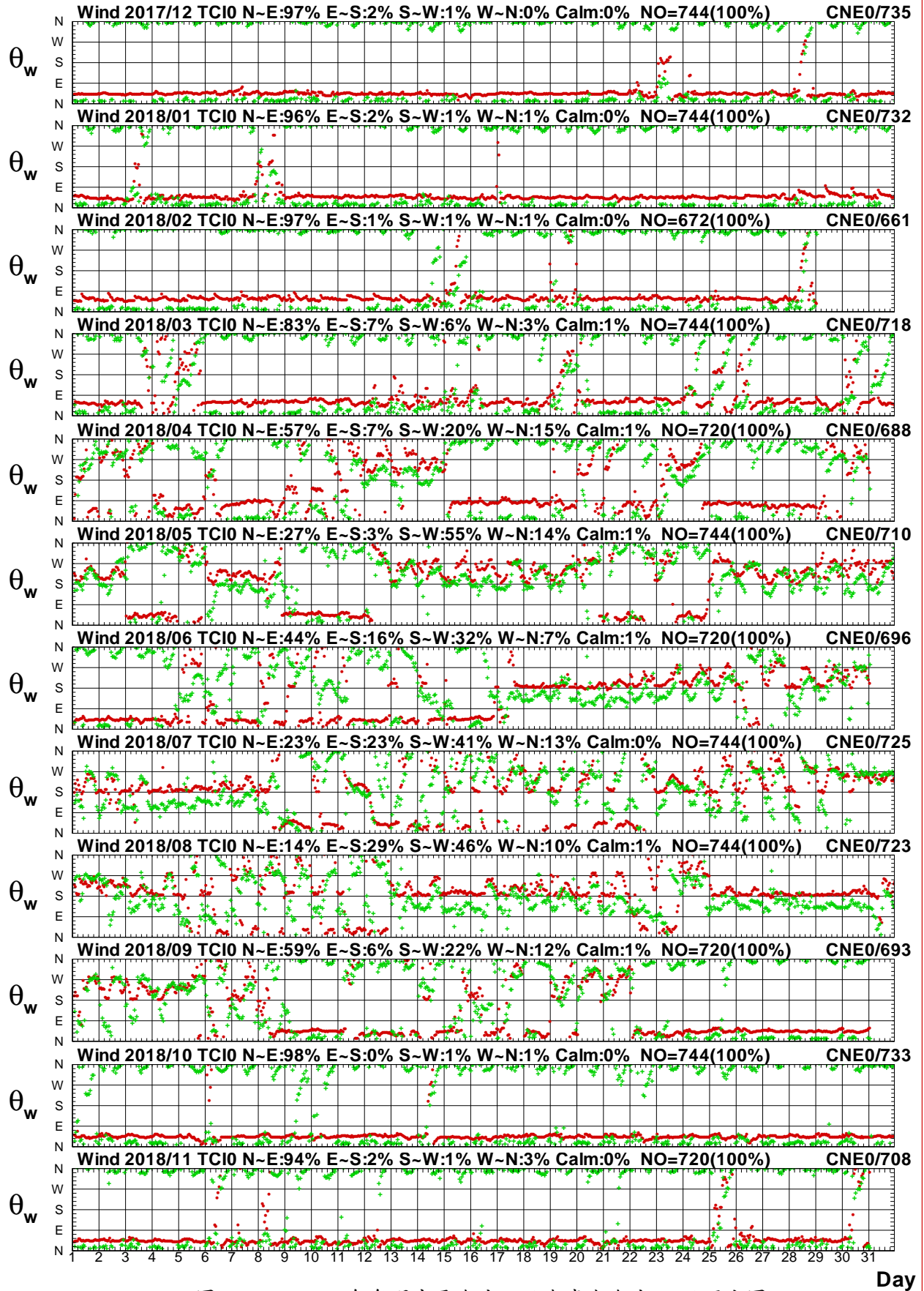


圖1.4.8b 2018年每月中雲海域 I 站與嘉南海域 E 站風向圖

W17TCI0.1HA W17CCNE0.1H0 W181TCI0.1HA W181CNE0.1H0 W182TCI0.1HA W182CNE0.1H0
 W183TCI0.1HA W183CNE0.1H0 W184TCI0.1HA W184CNE0.1H0 W185TCI0.1HA W185CNE0.1H0

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Wind Speed in Chung-Yun Seas of TC10 at 2018

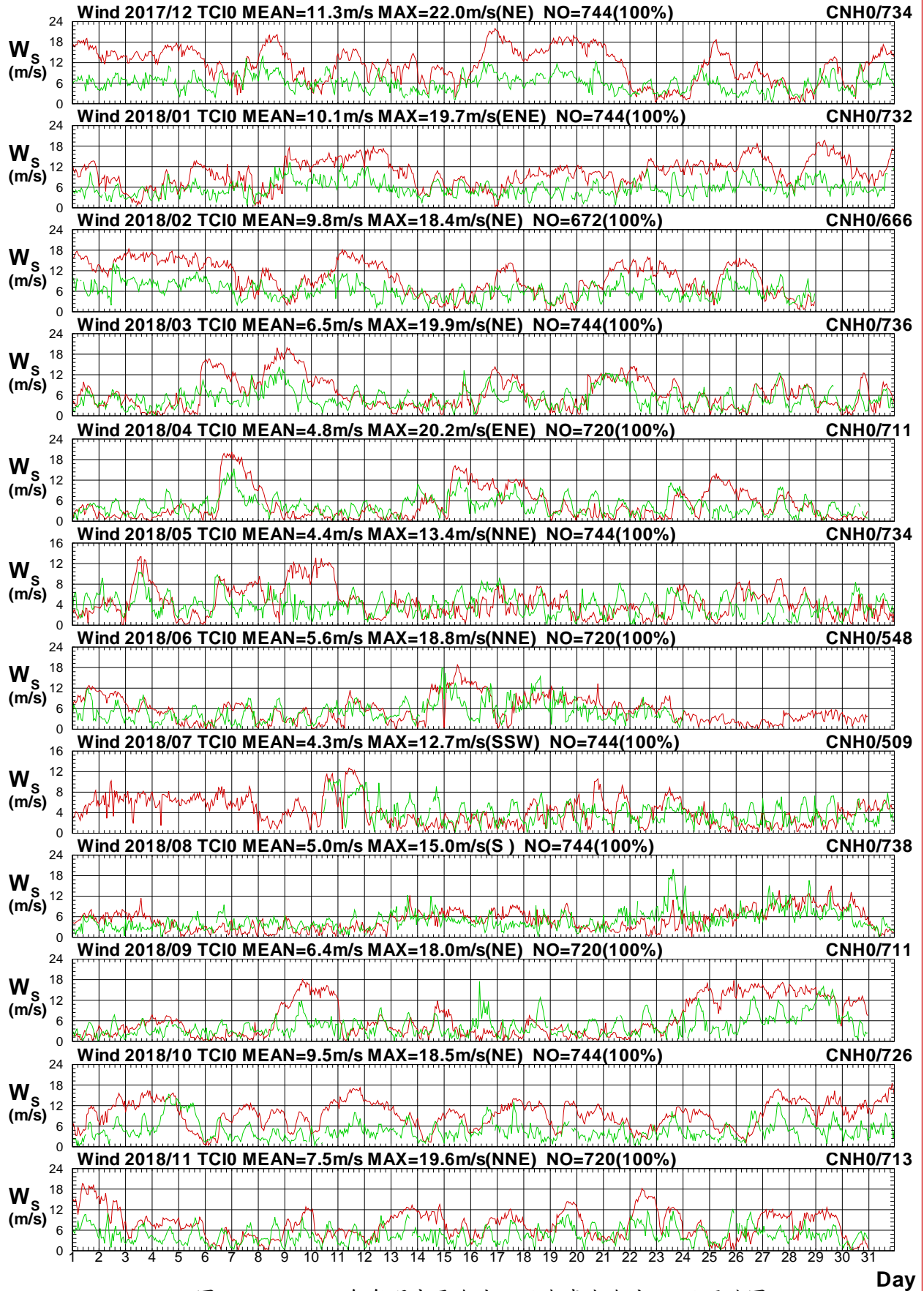


圖1.4.9a 2018年每月中雲海域 I 站與嘉南海域 H 站風速圖

W17TC10.1HA W17CCNH0.1H0 W181TC10.1HA W181CNH0.1H0 W182TC10.1HA W182CNH0.1H0
 W183TC10.1HA W183CNH0.1H0 W184TC10.1HA W184CNH0.1H0 W185TC10.1HA W185CNH0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

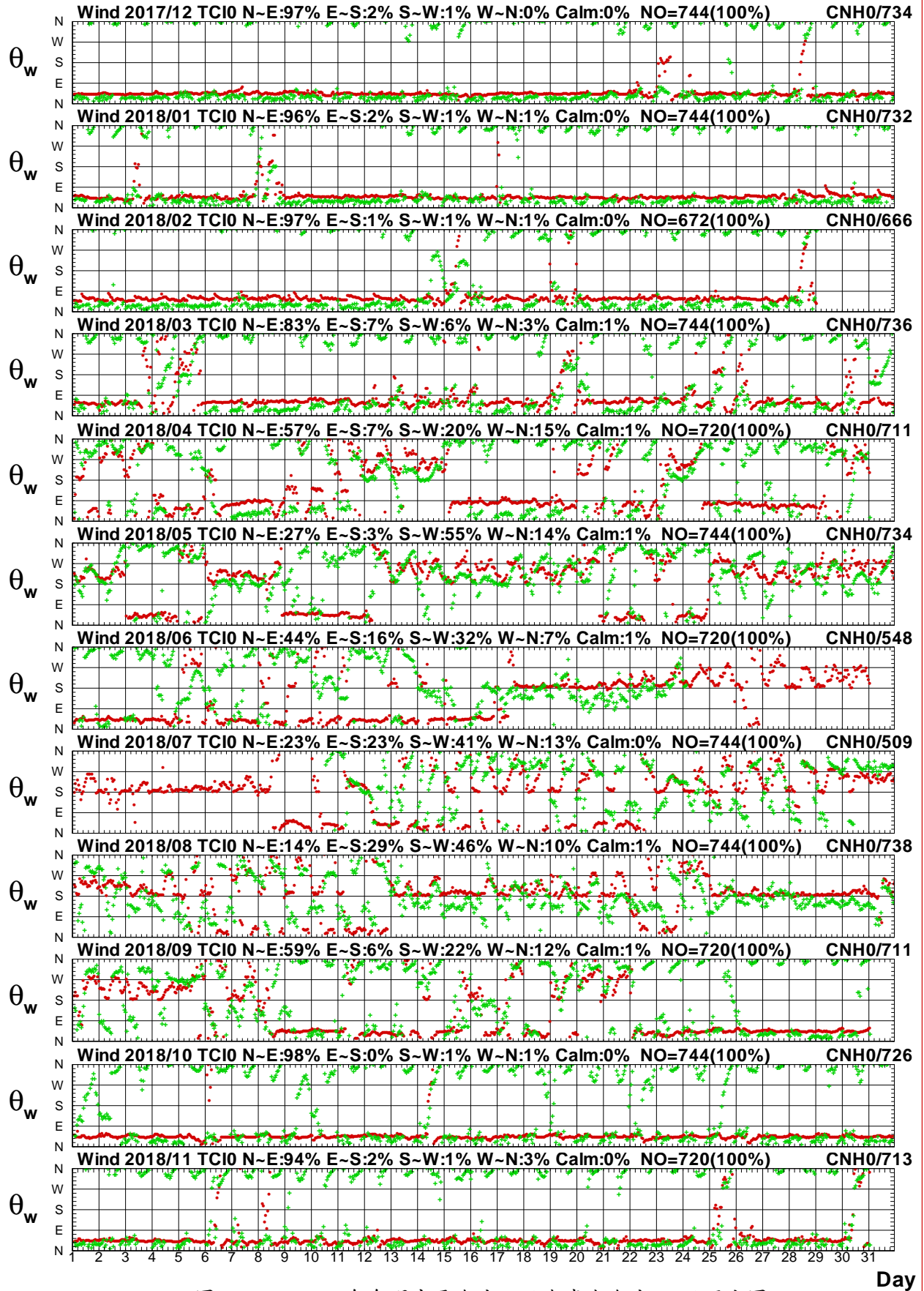


圖1.4.9b 2018年每月中雲海域 I 站與嘉南海域 H 站風向圖

W17TCI0.1HA W17CCNH0.1H0 W181TCI0.1HA W181CNH0.1H0 W182TCI0.1HA W182CNH0.1H0
 W183TCI0.1HA W183CNH0.1H0 W184TCI0.1HA W184CNH0.1H0 W185TCI0.1HA W185CNH0.1H0

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Wind Speed in Chung-Yun Seas of TCI0 at 2018

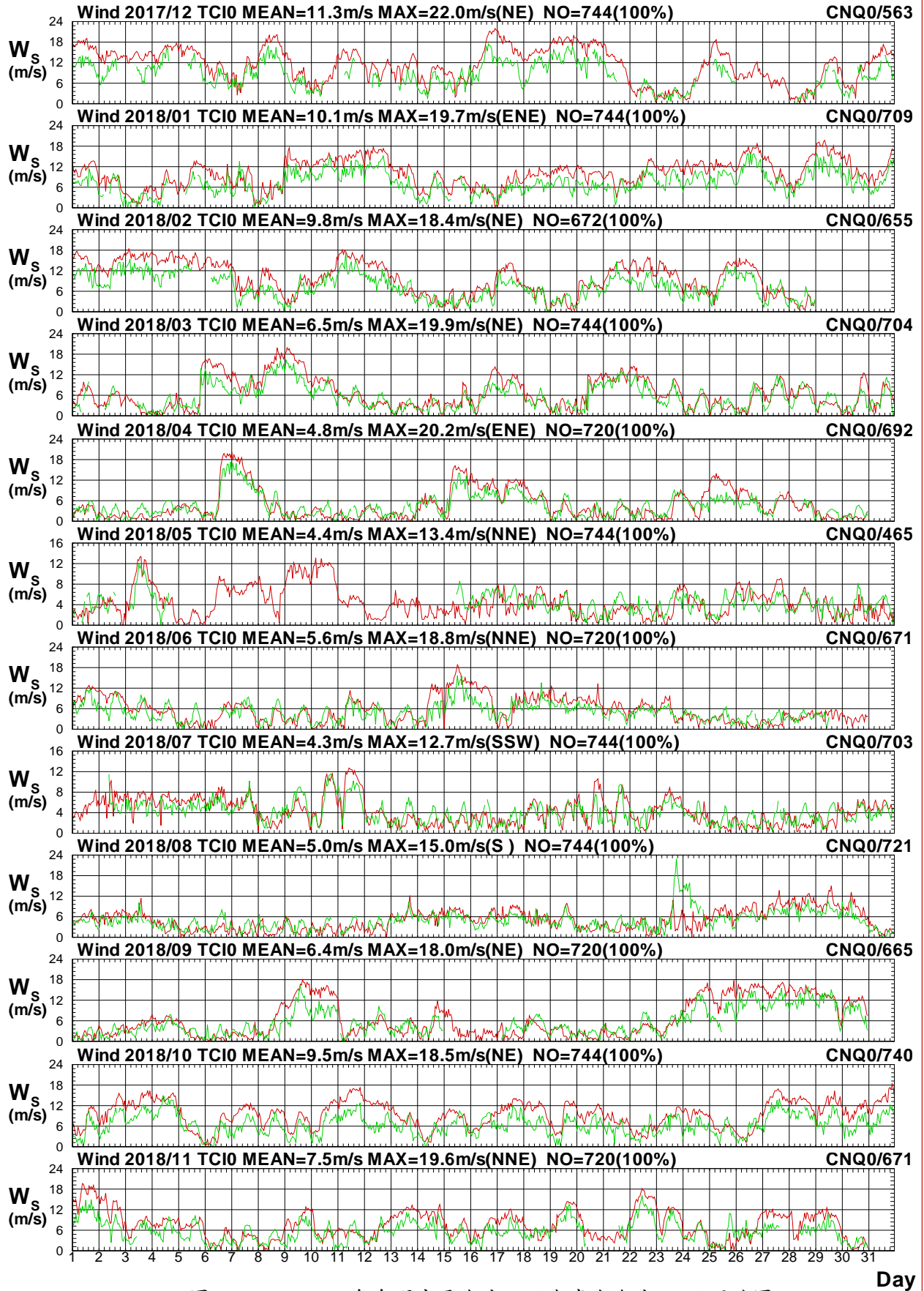


圖1.4.10a 2018年每月中雲海域 I 站與嘉南海域 Q 站風速圖

W17TCI0.1HA W17CCNQ0.1H0 W181TCI0.1HA W181CNQ0.1H0 W182TCI0.1HA W182CNQ0.1H0
 W183TCI0.1HA W183CNQ0.1H0 W184TCI0.1HA W184CNQ0.1H0 W185TCI0.1HA W185CNQ0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

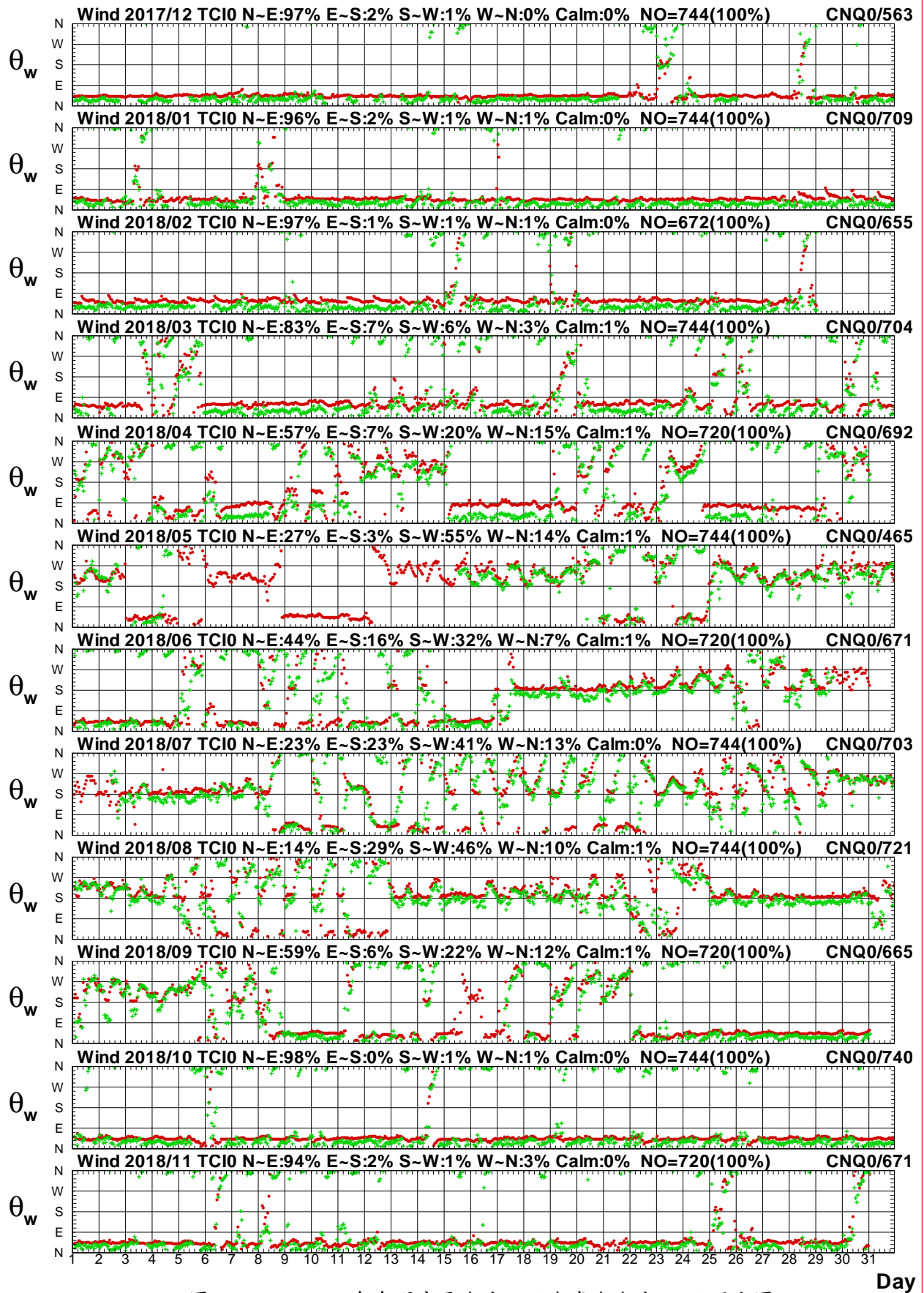


圖1.4.10b 2018年每月中雲海域 I 站與嘉南海域 Q 站風向圖

W17TCI0.1HA W17CCNQ0.1H0 W181TCI0.1HA W181CNQ0.1H0 W182TCI0.1HA W182CNQ0.1H0
 W183TCI0.1HA W183CNQ0.1H0 W184TCI0.1HA W184CNQ0.1H0 W185TCI0.1HA W185CNQ0.1H0

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Wind Speed in Chung-Yun Seas of TCI0 at 2018

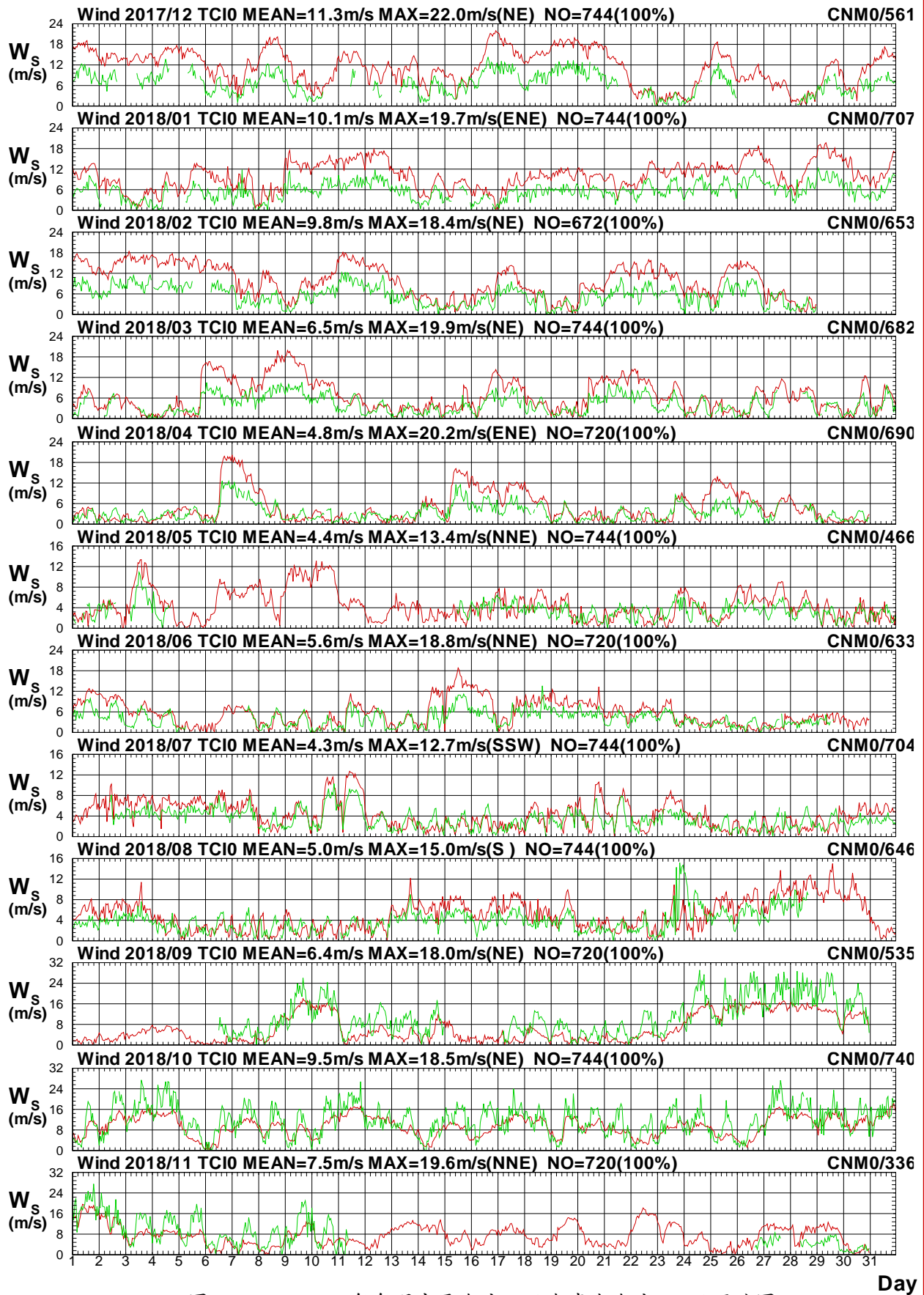


圖1.4.11a 2018年每月中雲海域 I 站與嘉南海域 M 站風速圖

W17TCI0.1HA W17CCNM0.1H0 W181TCI0.1HA W181CNM0.1H0 W182TCI0.1HA W182CNM0.1H0
 W183TCI0.1HA W183CNM0.1H0 W184TCI0.1HA W184CNM0.1H0 W185TCI0.1HA W185CNM0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

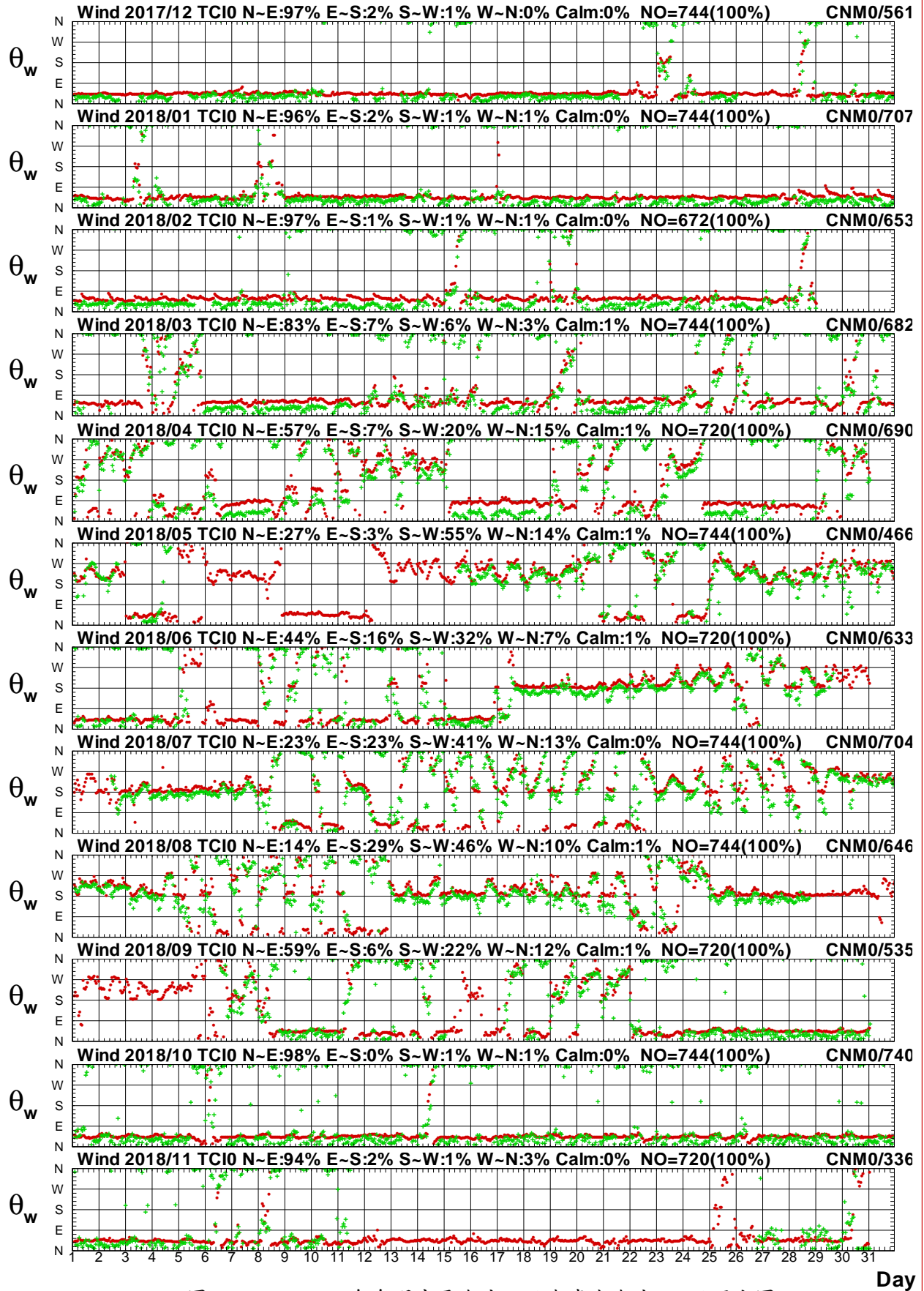


圖1.4.11b 2018年每月中雲海域 I 站與嘉南海域 M 站風向圖

W17TCI0.1HA W17CCNM0.1H0 W181TCI0.1HA W181CNM0.1H0 W182TCI0.1HA W182CNM0.1H0
 W183TCI0.1HA W183CNM0.1H0 W184TCI0.1HA W184CNM0.1H0 W185TCI0.1HA W185CNM0.1H0

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Wind Speed in Chung-Yun Seas of TC10 at 2018

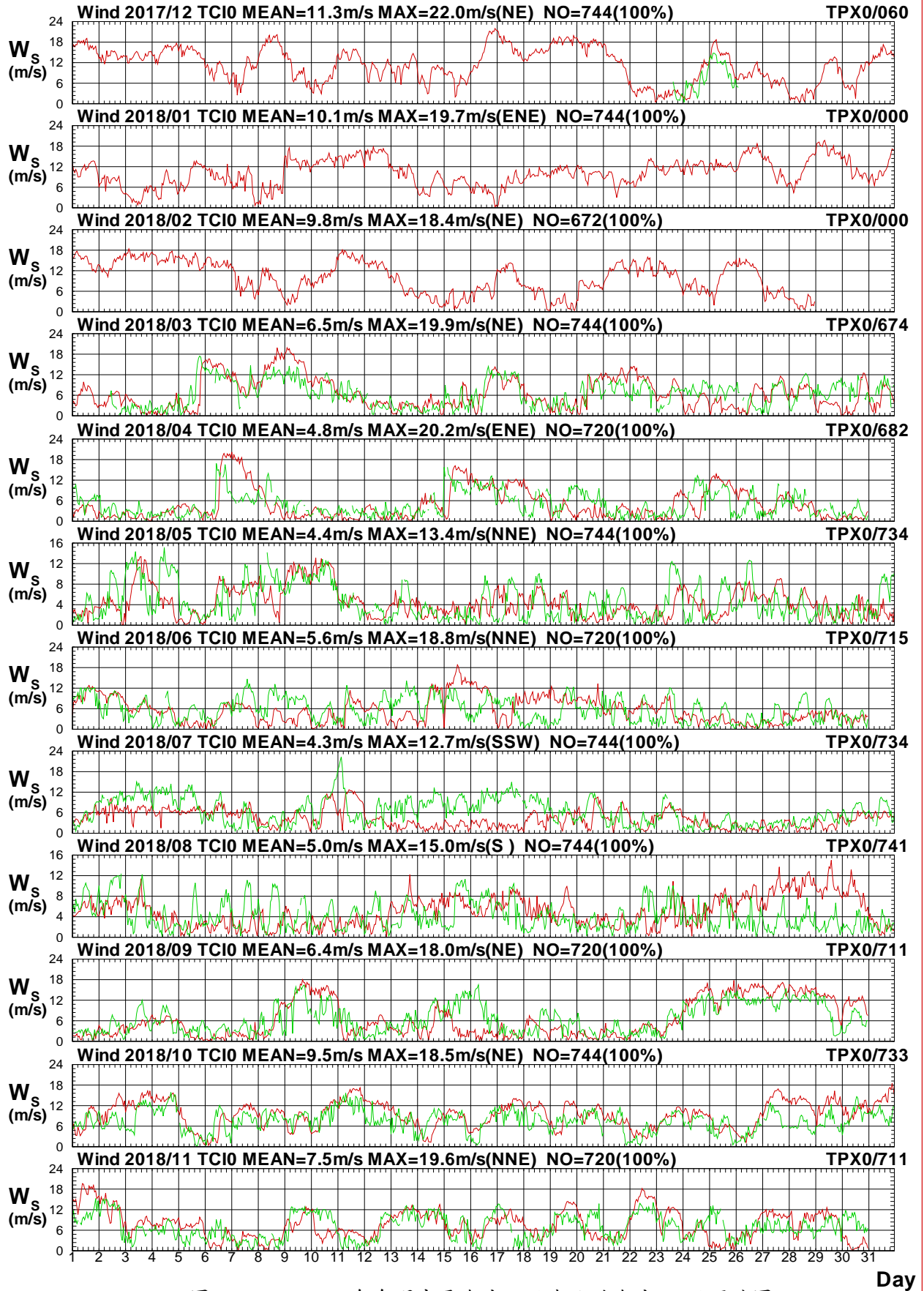


圖1.4.12a 2018年每月中雲海域 I 站與北苗海域 X 站風速圖

W17TC10.1HA W17CTPX0.1H0 W181TC10.1HA W181TPX0.1H0 W182TC10.1HA W182TPX0.1H0
 W183TC10.1HA W183TPX0.1H0 W184TC10.1HA W184TPX0.1H0 W185TC10.1HA W185TPX0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

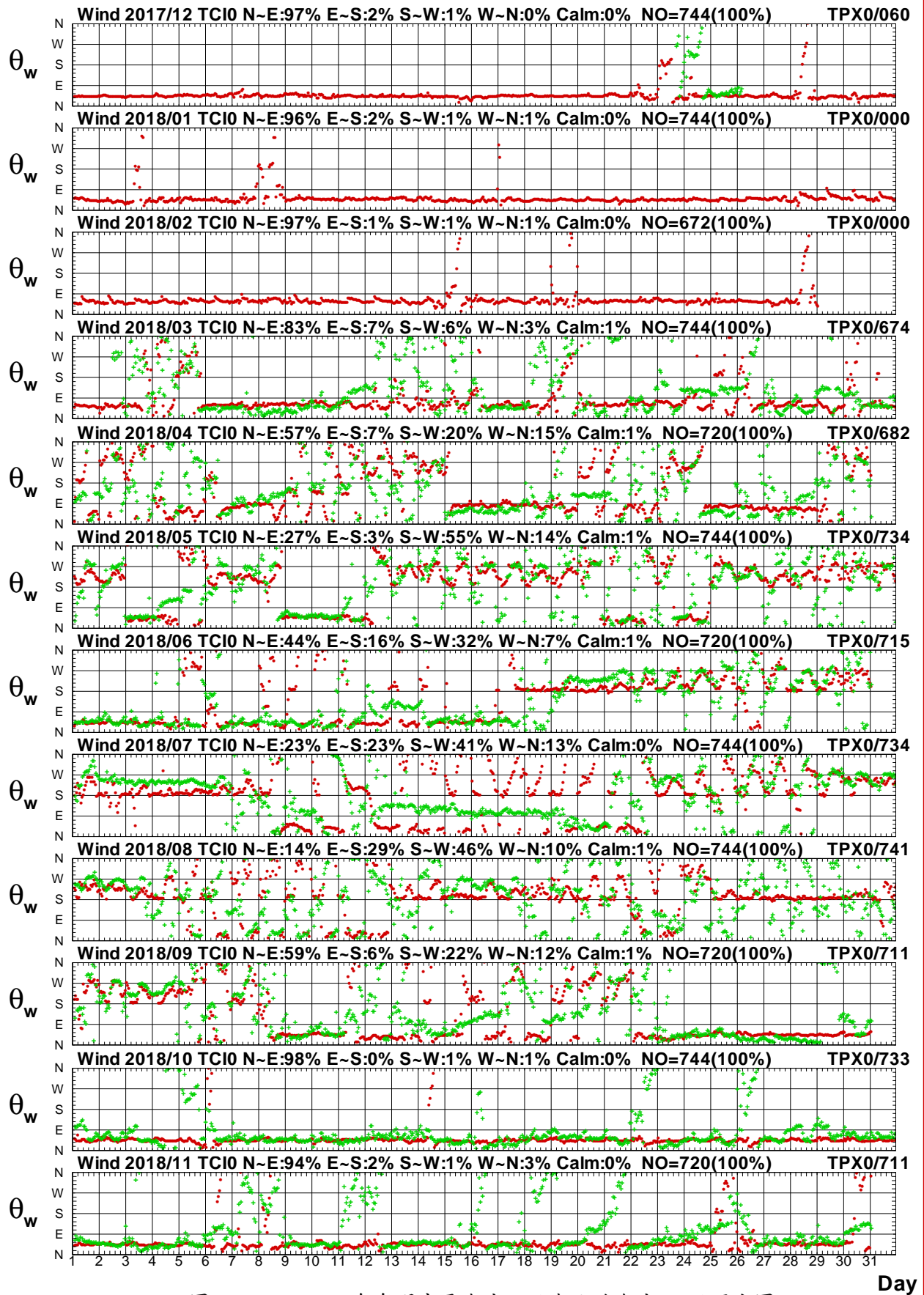


圖1.4.12b 2018年每月中雲海域 I 站與北苗海域 X 站風向圖

W17TCI0.1HA W17CTPX0.1H0 W181TCI0.1HA W181TPX0.1H0 W182TCI0.1HA W182TPX0.1H0
 W183TCI0.1HA W183TPX0.1H0 W184TCI0.1HA W184TPX0.1H0 W185TCI0.1HA W185TPX0.1H0

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Wind Speed in Chung-Yun Seas of TCI0 at 2018

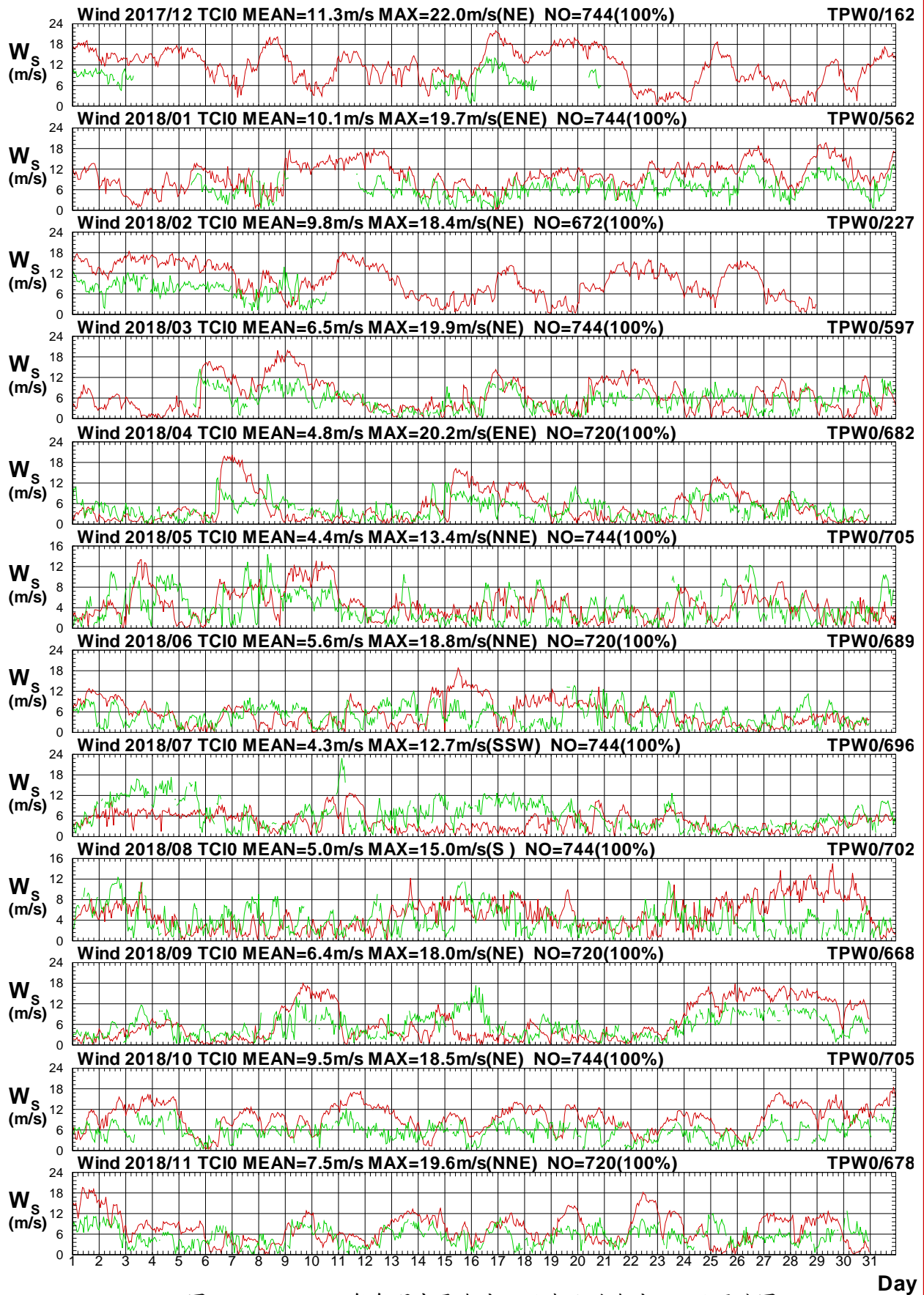


圖1.4.13a 2018年每月中雲海域 I 站與北苗海域 W 站風速圖

W17TCI0.1HA W17CTPW0.1H0 W181TCI0.1HA W181TPW0.1H0 W182TCI0.1HA W182TPW0.1H0
 W183TCI0.1HA W183TPW0.1H0 W184TCI0.1HA W184TPW0.1H0 W185TCI0.1HA W185TPW0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

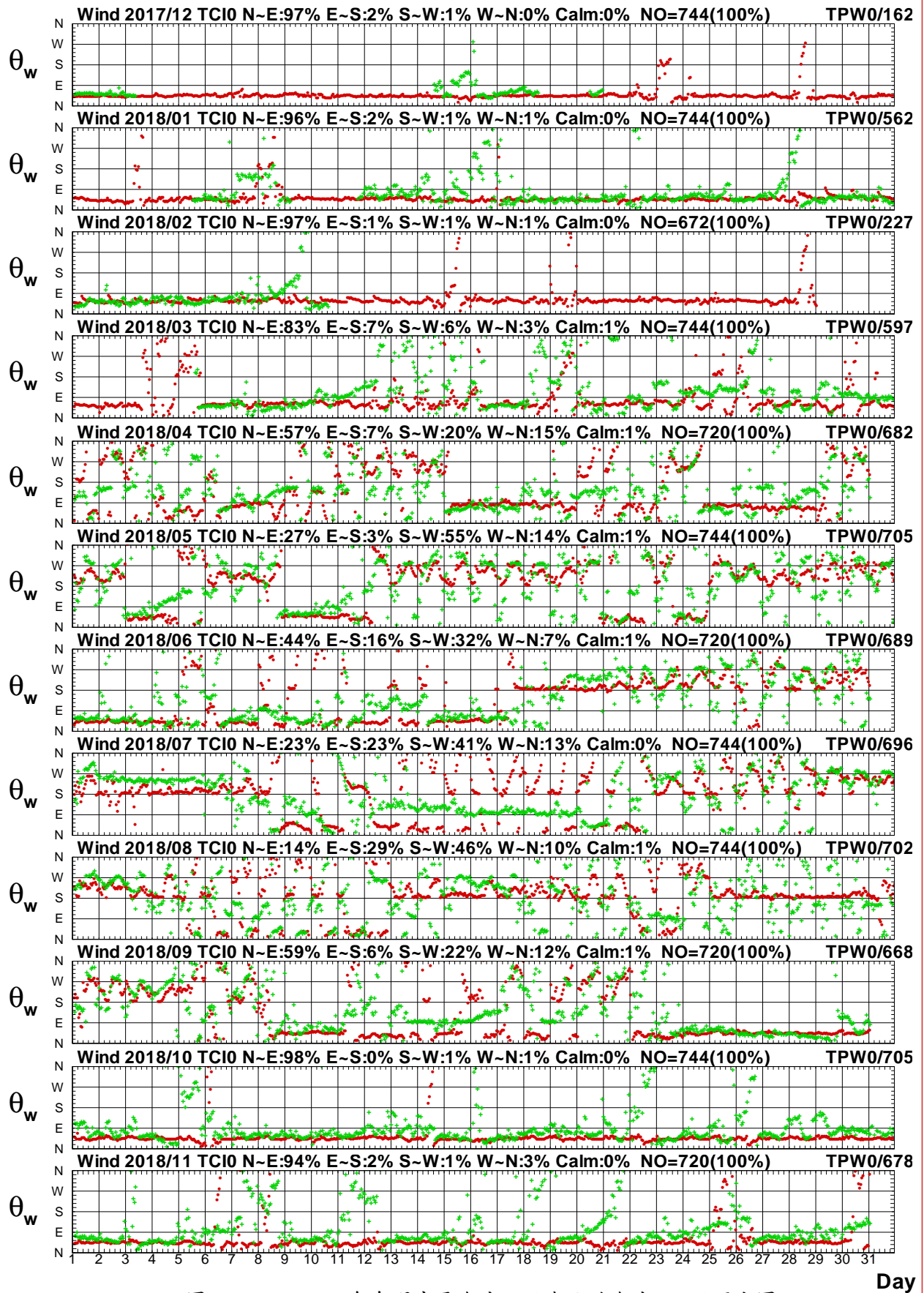


圖1.4.13b 2018年每月中雲海域 I 站與北苗海域 W 站風向圖

W17CTCI0.1HA W17CTPW0.1H0 W181TCI0.1HA W181TPW0.1H0 W182TCI0.1HA W182TPW0.1H0
 W183TCI0.1HA W183TPW0.1H0 W184TCI0.1HA W184TPW0.1H0 W185TCI0.1HA W185TPW0.1H0

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Wind Speed in Chung-Yun Seas of TC10 at 2018

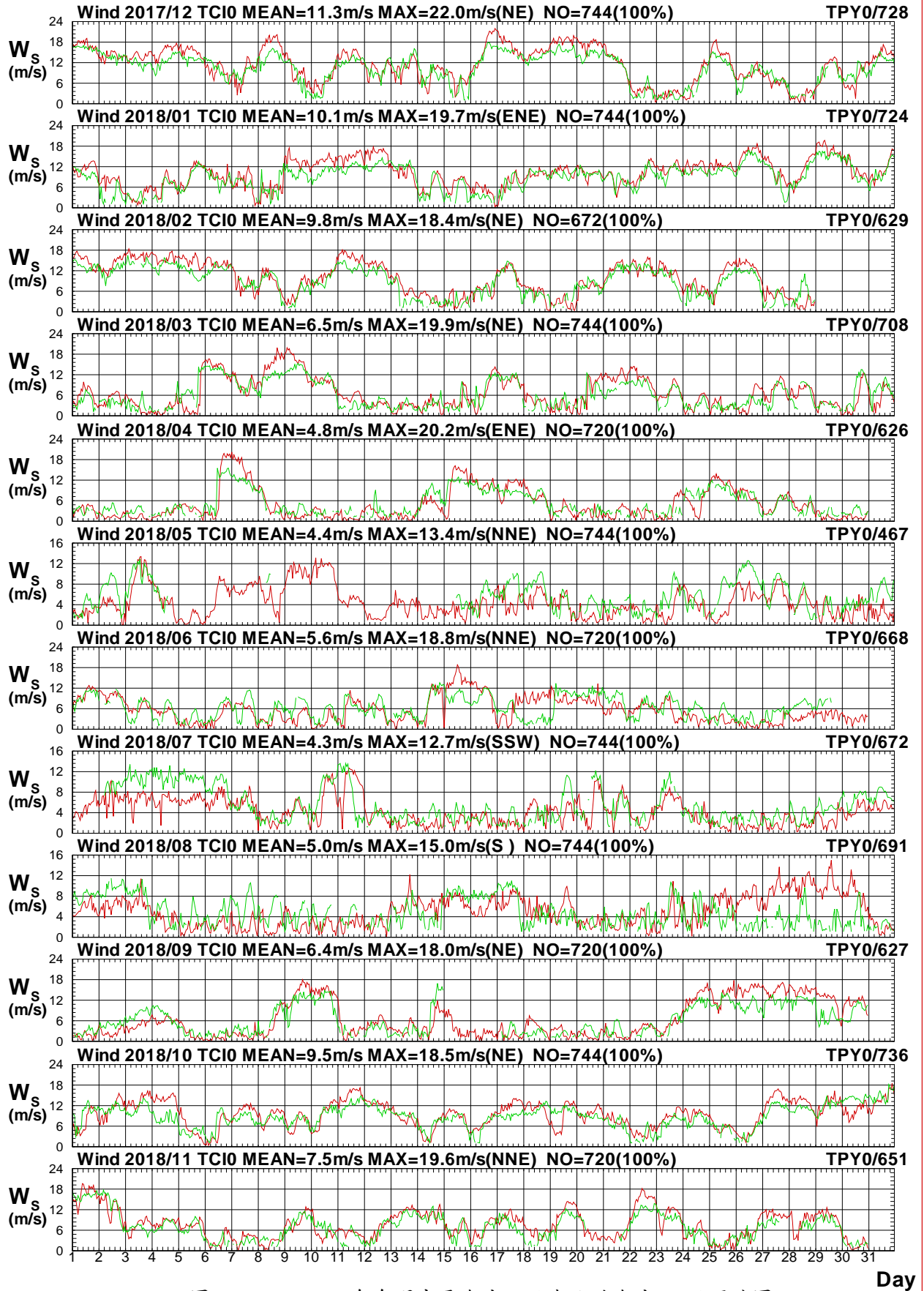


圖1.4.14a 2018年每月中雲海域 I 站與北苗海域 Y 站風速圖

W17TC10.1HA W17CTPY0.1H0 W181TC10.1HA W181TPY0.1H0 W182TC10.1HA W182TPY0.1H0
 W183TC10.1HA W183TPY0.1H0 W184TC10.1HA W184TPY0.1H0 W185TC10.1HA W185TPY0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

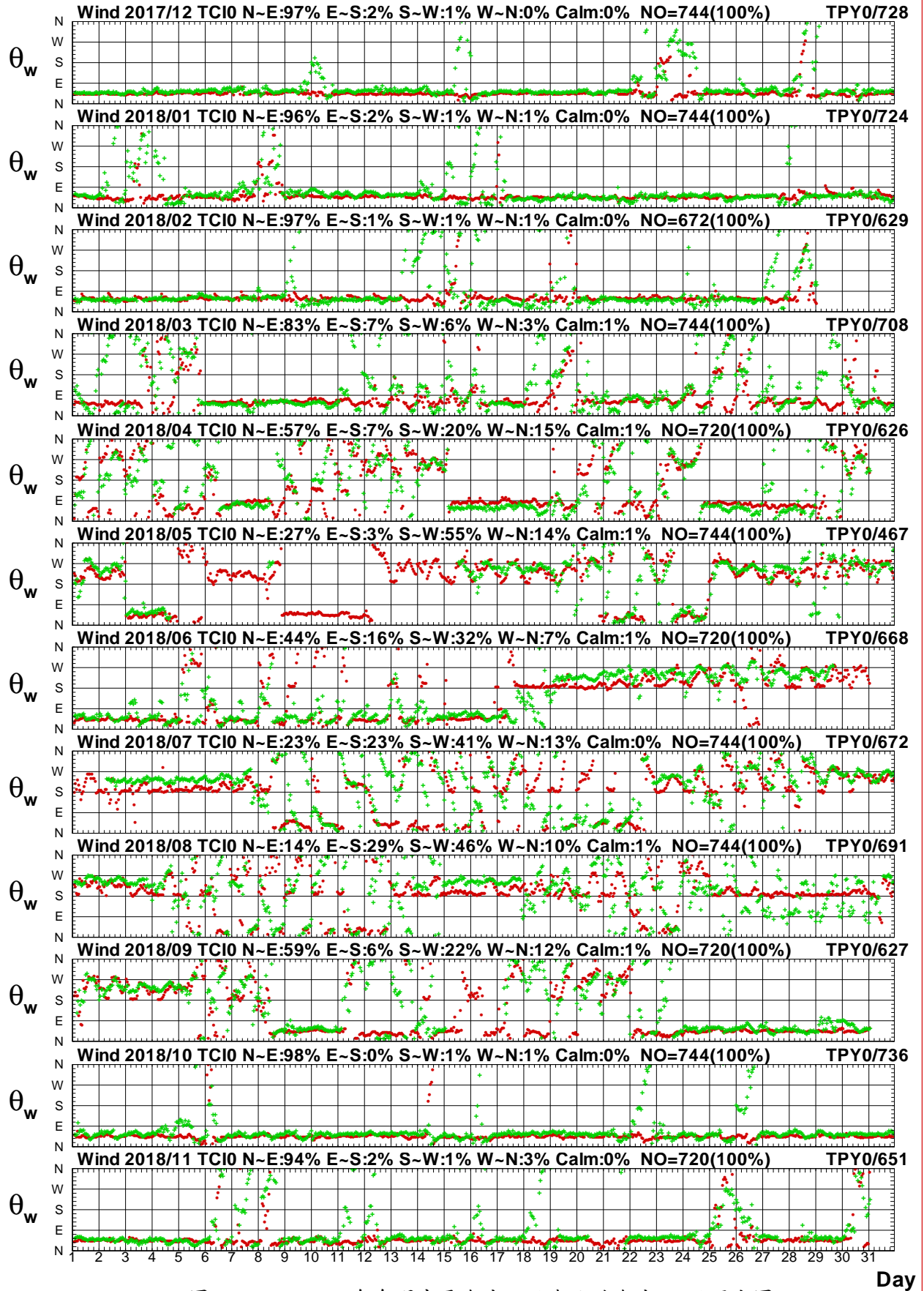


圖1.4.14b 2018年每月中雲海域 I 站與北苗海域 Y 站風向圖

W17CTCI0.1HA W17CTPY0.1H0 W181TCI0.1HA W181TPY0.1H0 W182TCI0.1HA W182TPY0.1H0
 W183TCI0.1HA W183TPY0.1H0 W184TCI0.1HA W184TPY0.1H0 W185TCI0.1HA W185TPY0.1H0

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Wind Speed in Chung-Yun Seas of TC10 at 2018

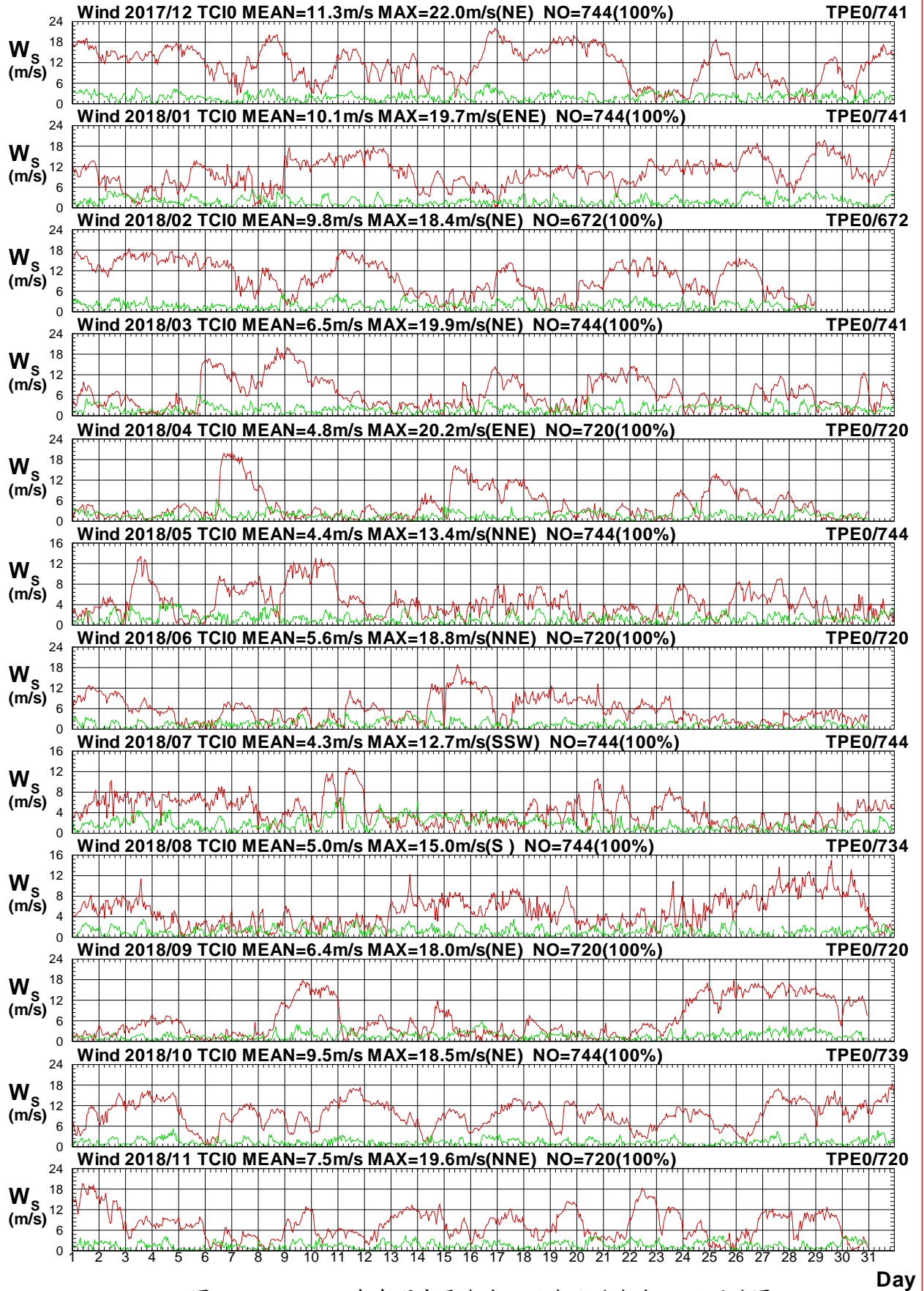


圖1.4.15a 2018年每月中雲海域 I 站與北苗海域 E 站風速圖

W17TC10.1HA W17CTPE0.1H0 W181TC10.1HA W181TPE0.1H0 W182TC10.1HA W182TPE0.1H0
 W183TC10.1HA W183TPE0.1H0 W184TC10.1HA W184TPE0.1H0 W185TC10.1HA W185TPE0.1H0

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Wind Direction in Chung-Yun Seas of TC10 at 2018

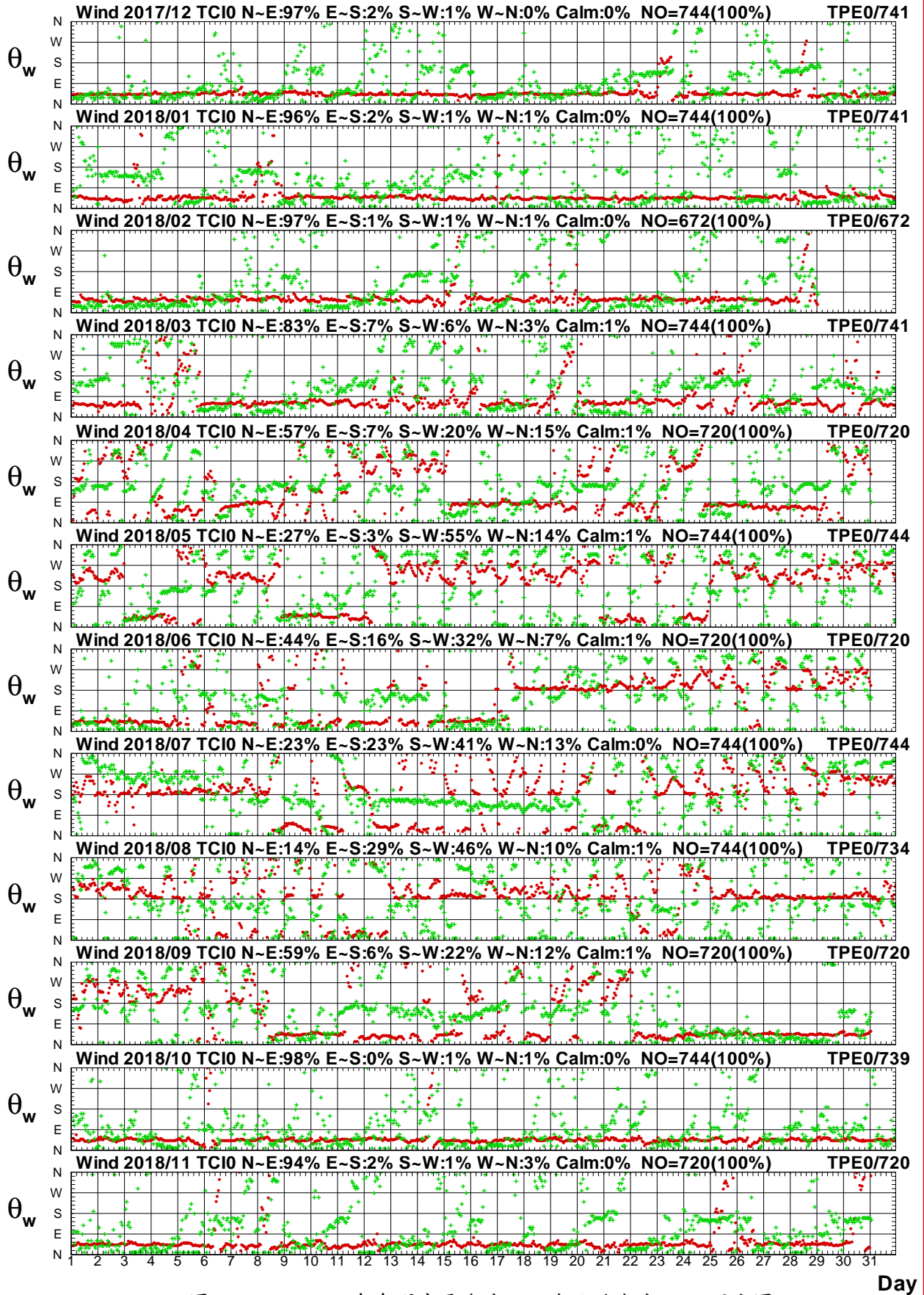


圖1.4.15b 2018年每月中雲海域 I 站與北苗海域 E 站風向圖

W17CTC10.1HA W17CTPE0.1H0 W181TC10.1HA W181TPE0.1H0 W182TC10.1HA W182TPE0.1H0
 W183TC10.1HA W183TPE0.1H0 W184TC10.1HA W184TPE0.1H0 W185TC10.1HA W185TPE0.1H0

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Wind Speed in Chung-Yun Seas of TC10 at 2018

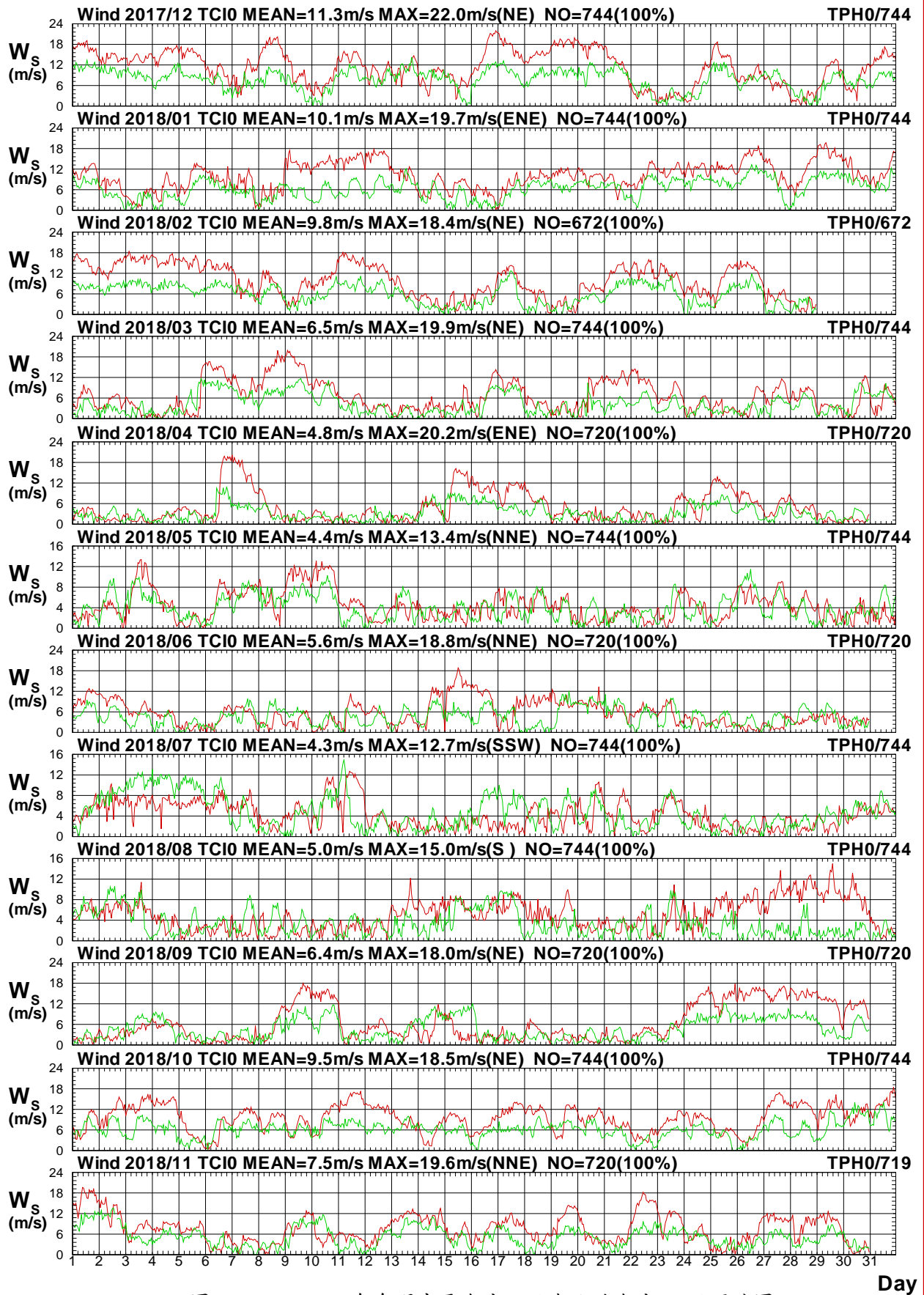


圖1.4.16a 2018年每月中雲海域 I 站與北苗海域 H 站風速圖

W17TC10.1HA W17CTPH0.1H0 W181TC10.1HA W181TPH0.1H0 W182TC10.1HA W182TPH0.1H0
 W183TC10.1HA W183TPH0.1H0 W184TC10.1HA W184TPH0.1H0 W185TC10.1HA W185TPH0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

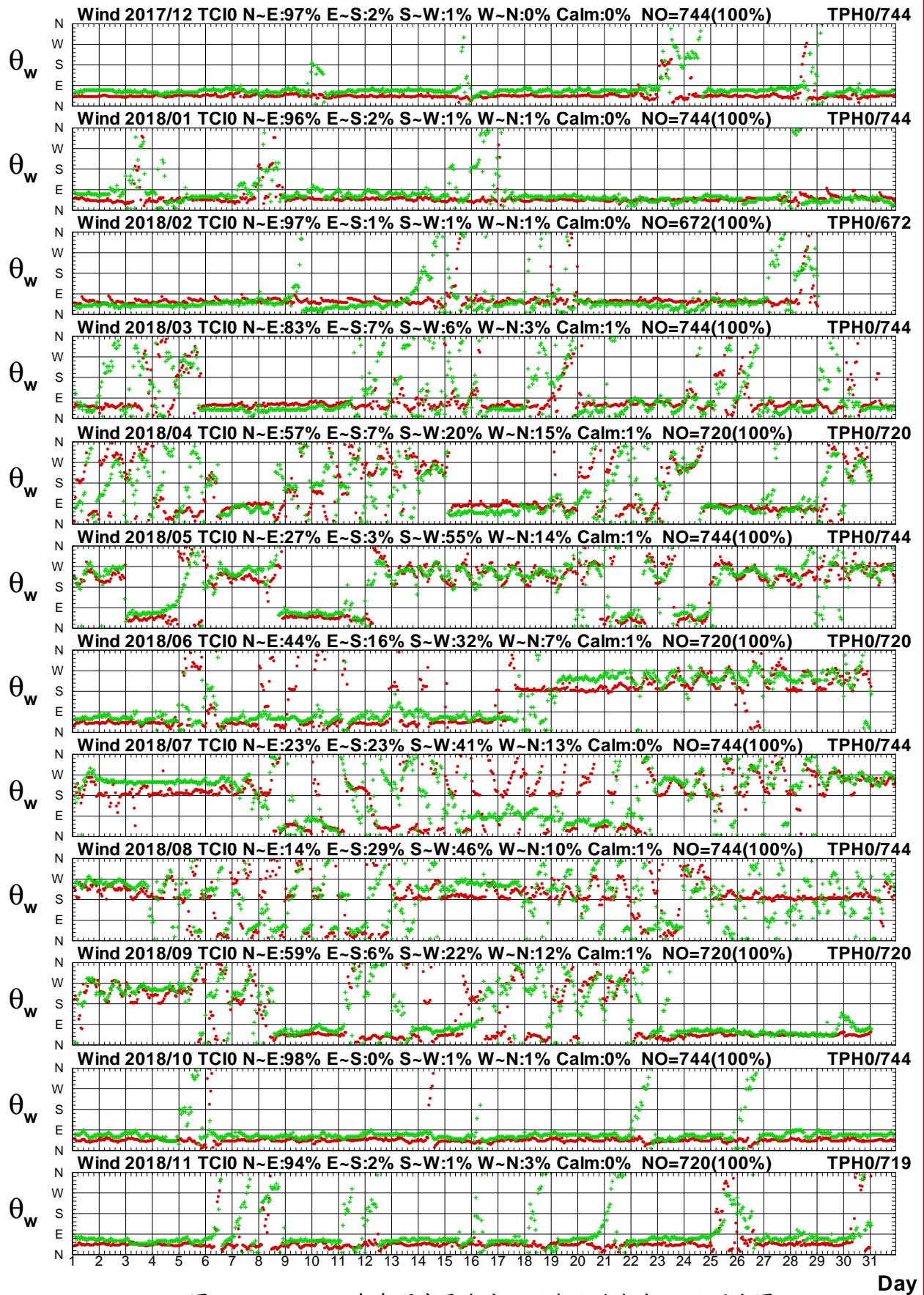


圖1.4.16b 2018年每月中雲海域 I 站與北苗海域 H 站風向圖

W17TCI0.1HA W17CTPH0.1H0 W181TCI0.1HA W181TPH0.1H0 W182TCI0.1HA W182TPH0.1H0
 W183TCI0.1HA W183TPH0.1H0 W184TCI0.1HA W184TPH0.1H0 W185TCI0.1HA W185TPH0.1H0

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Wind Speed in Chung-Yun Seas of TCI0 at 2018

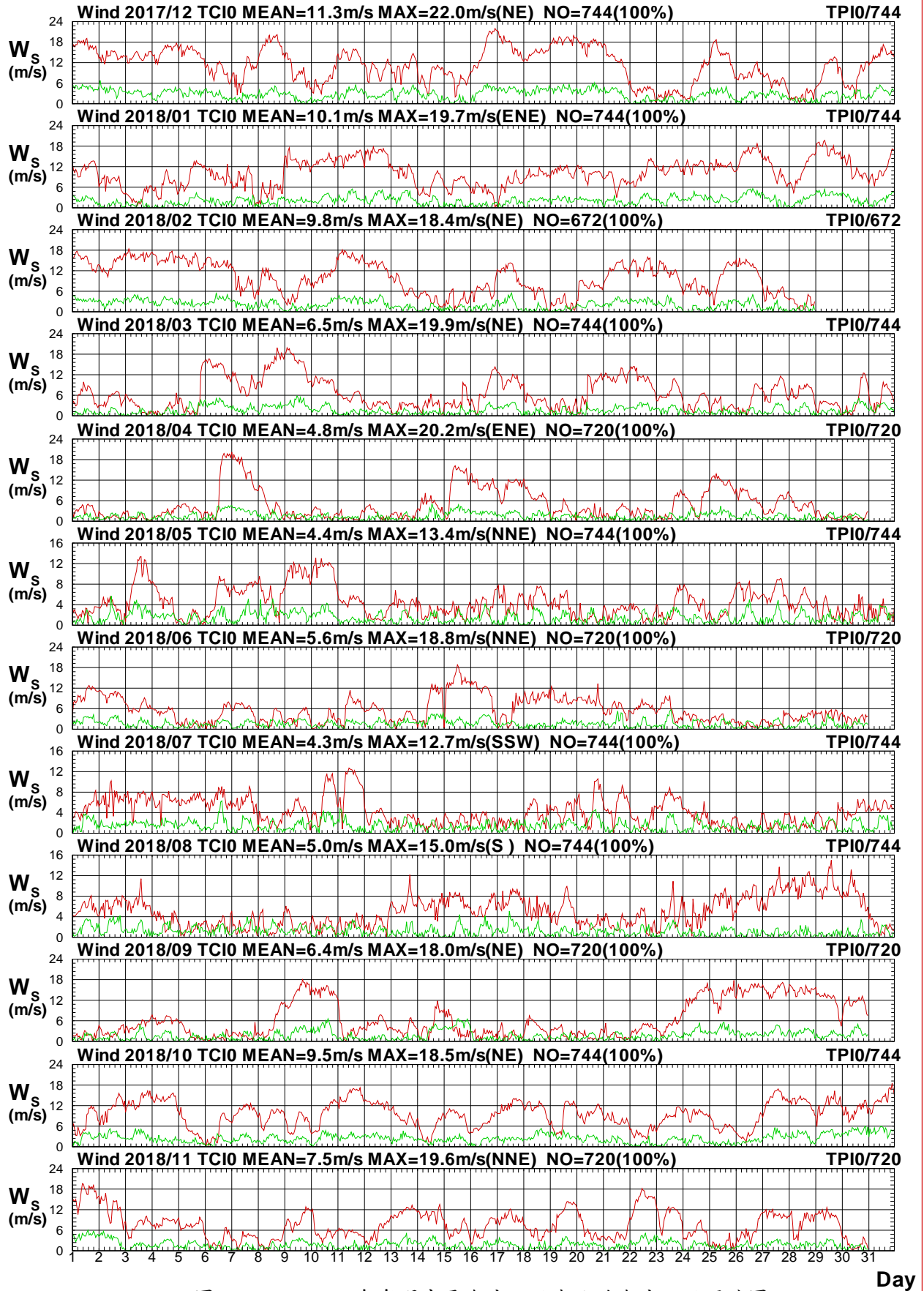


圖1.4.17a 2018年每月中雲海域 I 站與北苗海域 I 站風速圖

W17TCI0.1HA W17CTPI0.1H0 W181TCI0.1HA W181TPI0.1H0 W182TCI0.1HA W182TPI0.1H0
 W183TCI0.1HA W183TPI0.1H0 W184TCI0.1HA W184TPI0.1H0 W185TCI0.1HA W185TPI0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

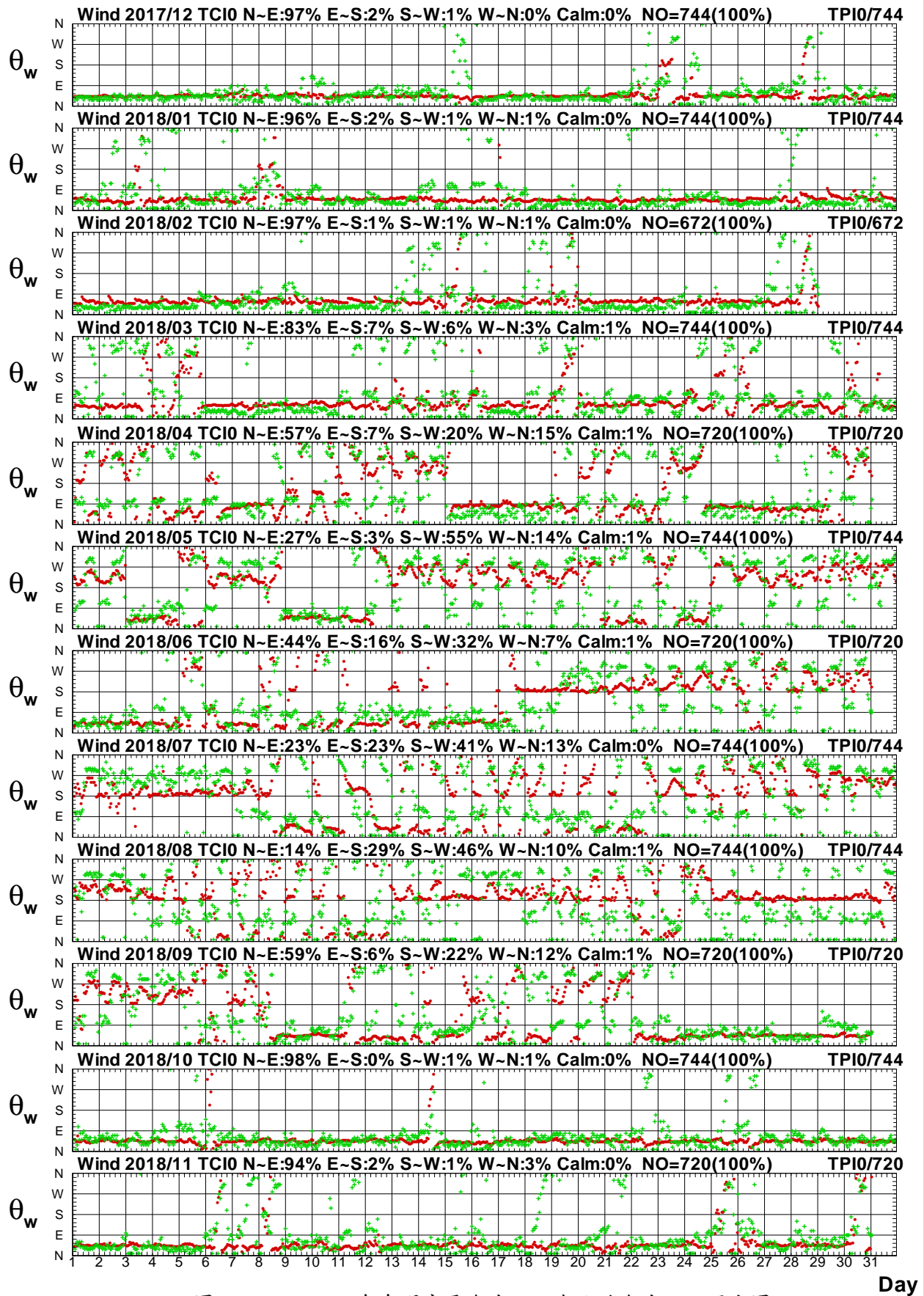


圖1.4.17b 2018年每月中雲海域 I 站與北苗海域 I 站風向圖

W17CTCI0.1HA W17CTPI0.1H0 W181TCI0.1HA W181TPI0.1H0 W182TCI0.1HA W182TPI0.1H0
 W183TCI0.1HA W183TPI0.1H0 W184TCI0.1HA W184TPI0.1H0 W185TCI0.1HA W185TPI0.1H0

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Wind Speed in Chung-Yun Seas of TCI0 at 2018

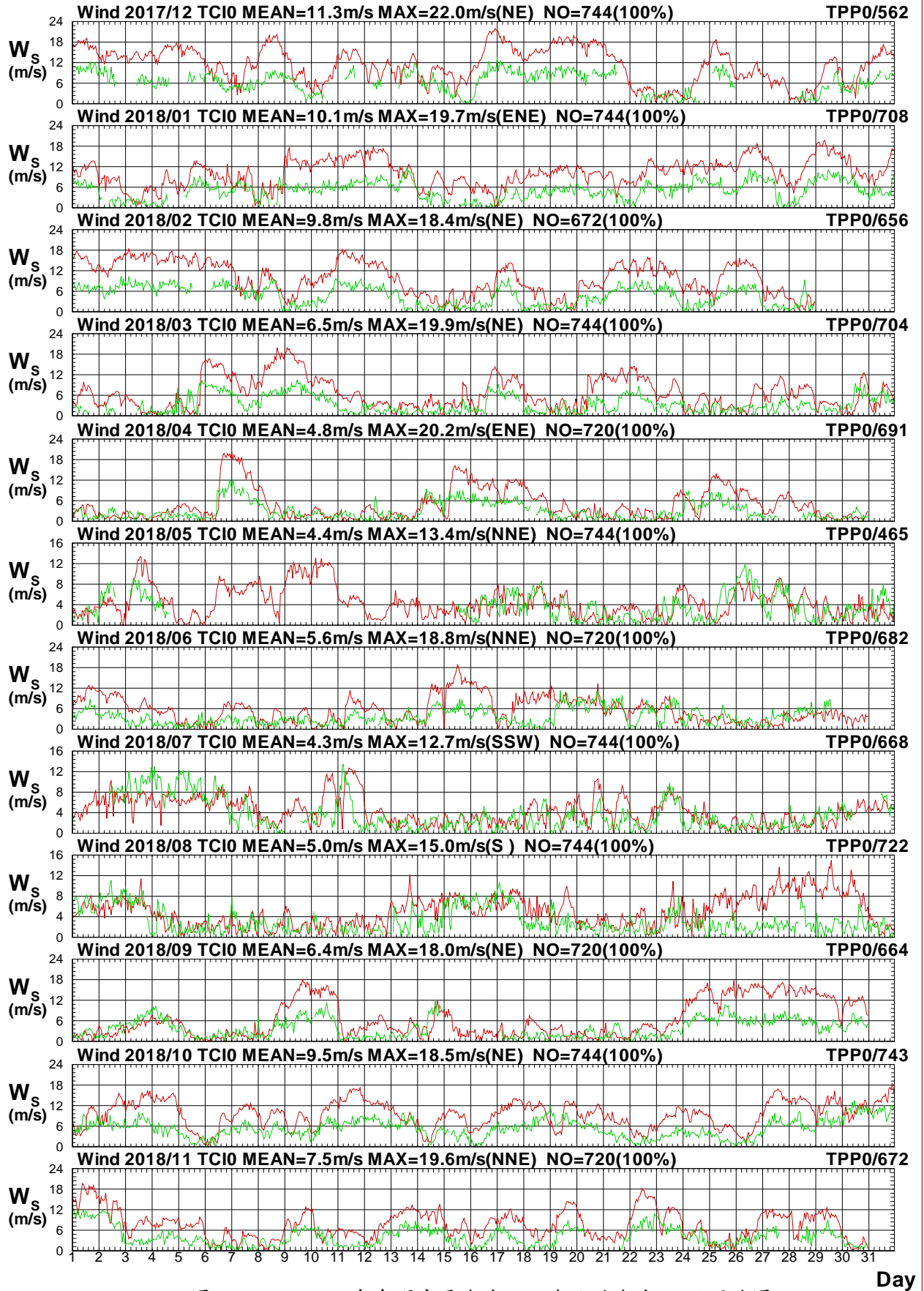


圖1.4.18a 2018年每月中雲海域 I 站與北苗海域 P 站風速圖

W17TCI0.1HA W17CTPP0.1H0 W181TCI0.1HA W181TPP0.1H0 W182TCI0.1HA W182TPP0.1H0
 W183TCI0.1HA W183TPP0.1H0 W184TCI0.1HA W184TPP0.1H0 W185TCI0.1HA W185TPP0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

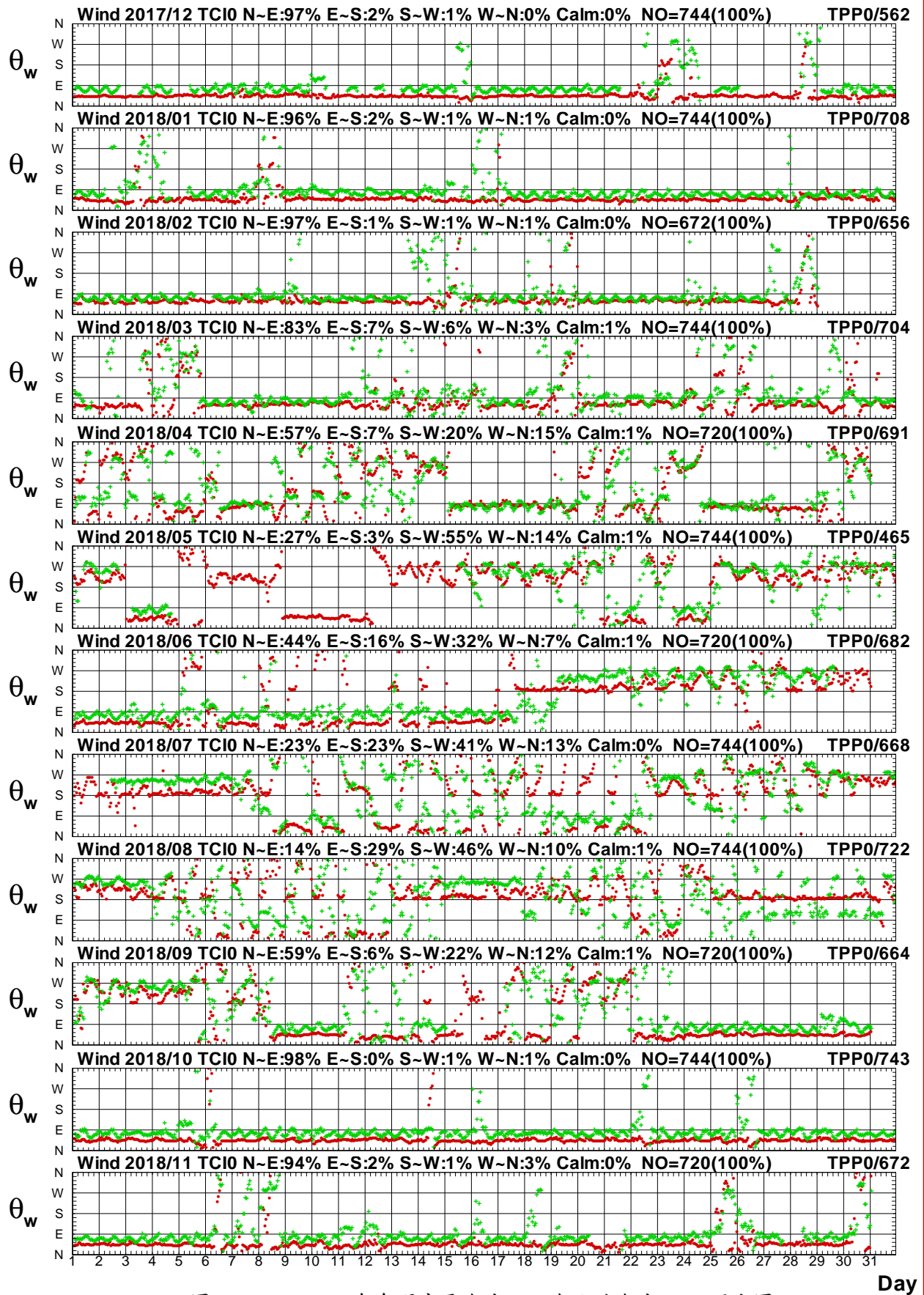


圖1.4.18b 2018年每月中雲海域 I 站與北苗海域 P 站風向圖

W17CTCI0.1HA W17CTPP0.1H0 W181TCI0.1HA W181TPP0.1H0 W182TCI0.1HA W182TPP0.1H0
 W183TCI0.1HA W183TPP0.1H0 W184TCI0.1HA W184TPP0.1H0 W185TCI0.1HA W185TPP0.1H0

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Wind Speed in Chung-Yun Seas of TCI0 at 2018

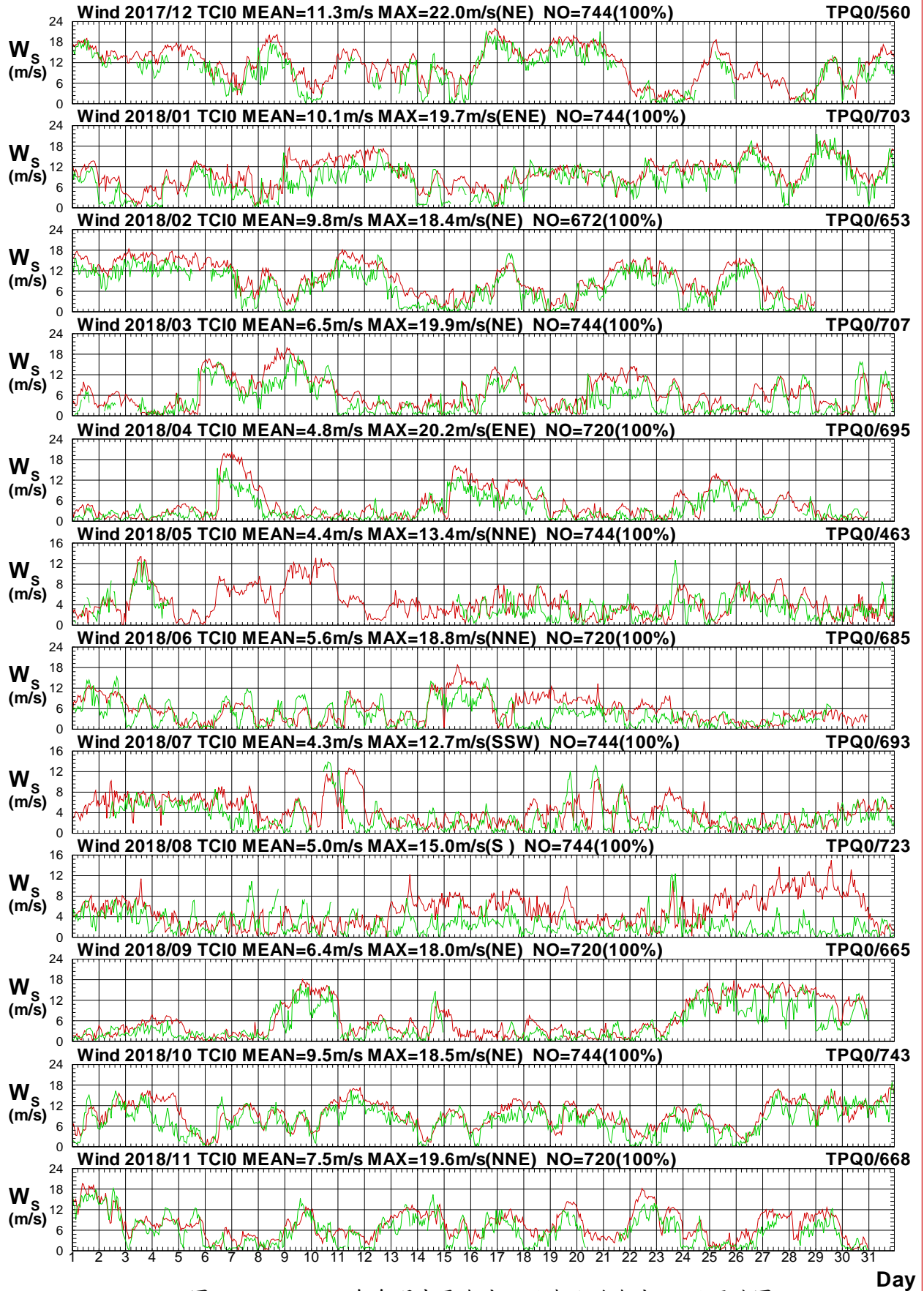


圖1.4.19a 2018年每月中雲海域 I 站與北苗海域 Q 站風速圖

W17TCI0.1HA W17CTPQ0.1H0 W181TCI0.1HA W181TPQ0.1H0 W182TCI0.1HA W182TPQ0.1H0
 W183TCI0.1HA W183TPQ0.1H0 W184TCI0.1HA W184TPQ0.1H0 W185TCI0.1HA W185TPQ0.1H0

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Wind Direction in Chung-Yun Seas of TCI0 at 2018

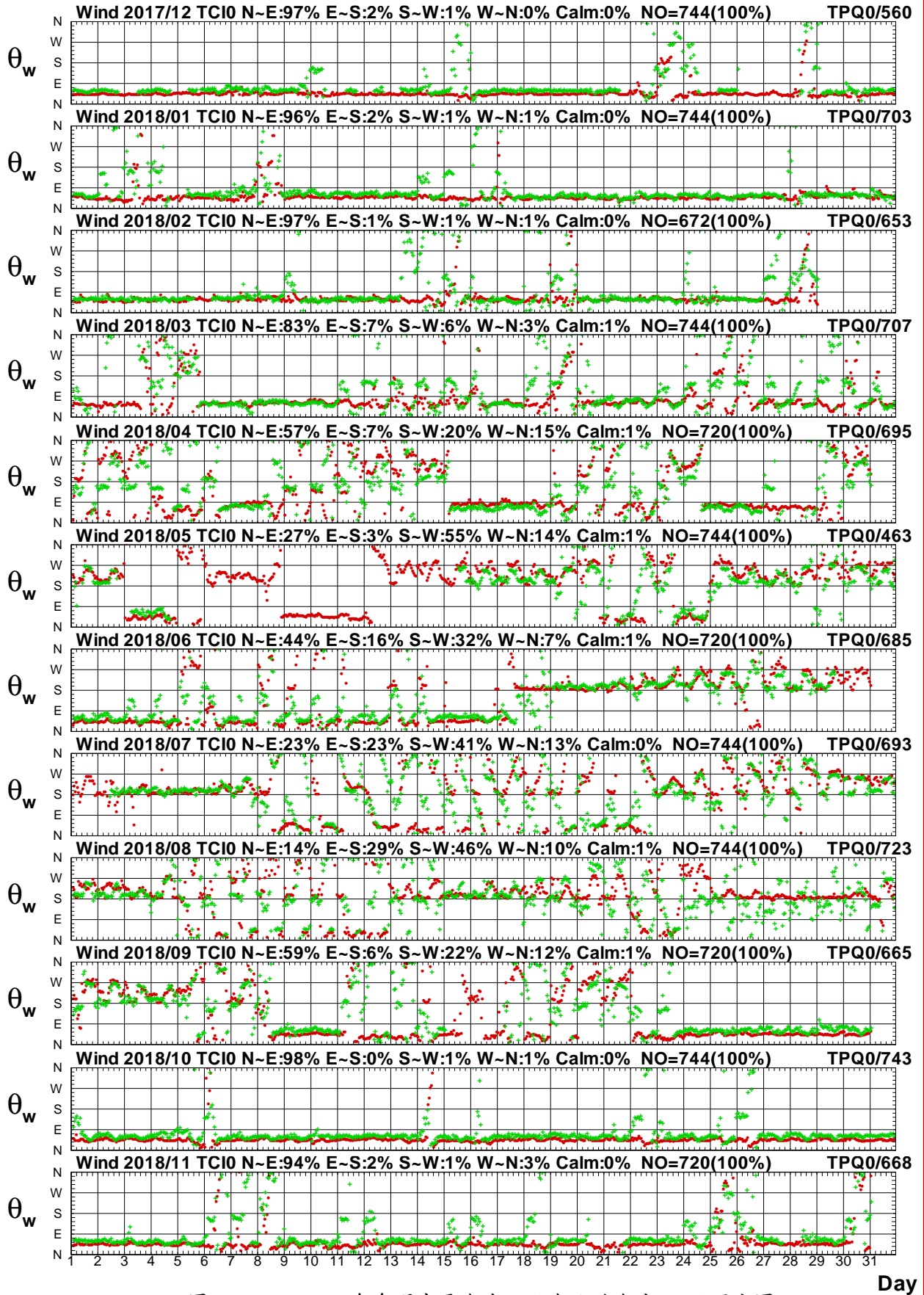


圖1.4.19b 2018年每月中雲海域 I 站與北苗海域 Q 站風向圖

W17CTCI0.1HA W17CTPQ0.1H0 W181TCI0.1HA W181TPQ0.1H0 W182TCI0.1HA W182TPQ0.1H0
 W183TCI0.1HA W183TPQ0.1H0 W184TCI0.1HA W184TPQ0.1H0 W185TCI0.1HA W185TPQ0.1H0

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Wind Speed in Chung-Yun Seas of TCY0 at 2018

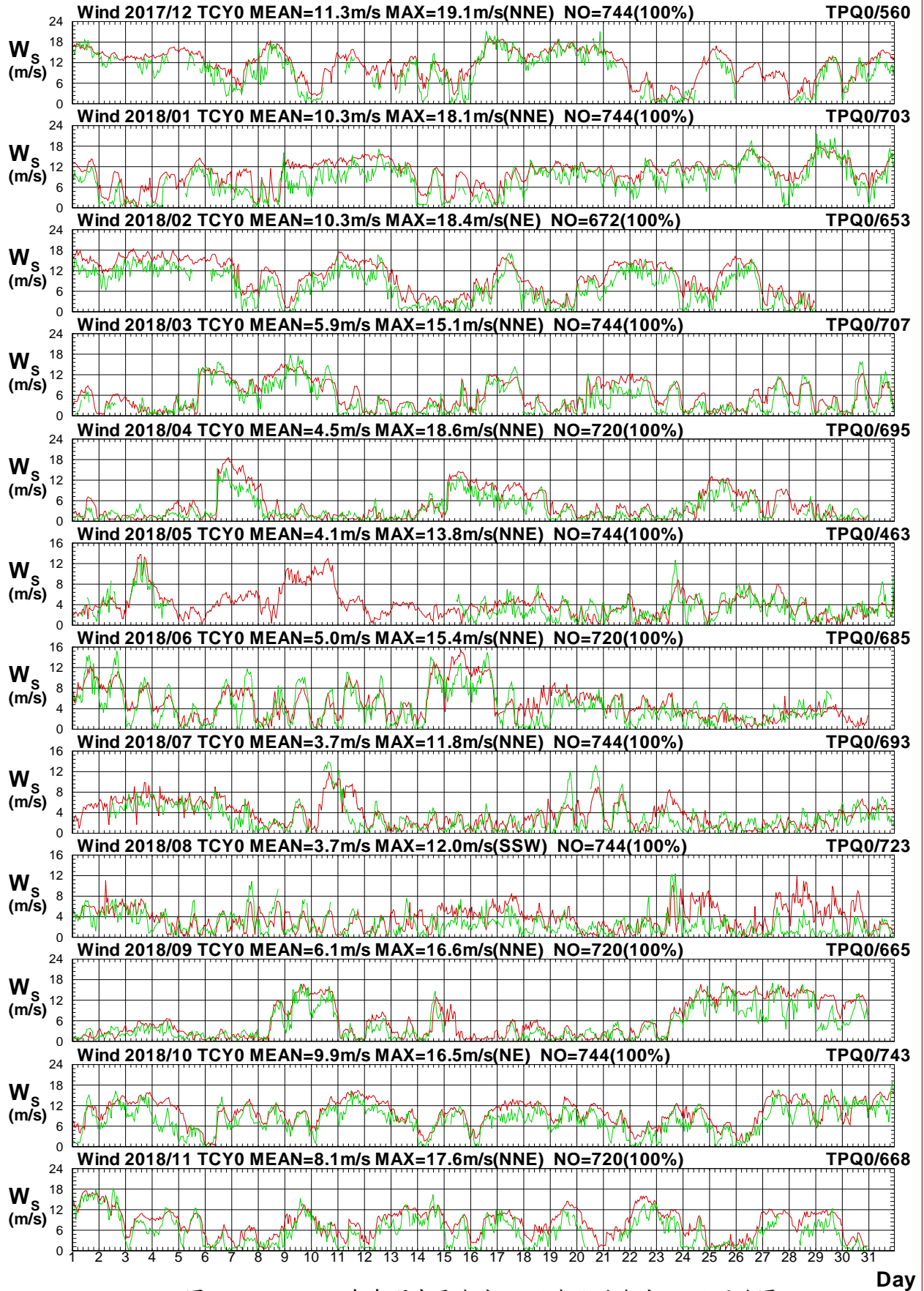


圖 1.4.20a 2018 年每月中雲海域 Y 站與北苗海域 Q 站風速圖

W17TCY0.1HA W17CTPQ0.1HO W181TCY0.1HA W181TPQ0.1HO W182TCY0.1HA W182TPQ0.1HO
 W183TCY0.1HA W183TPQ0.1HO W184TCY0.1HA W184TPQ0.1HO W185TCY0.1HA W185TPQ0.1HO

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Wind Direction in Chung-Yun Seas of TCY0 at 2018

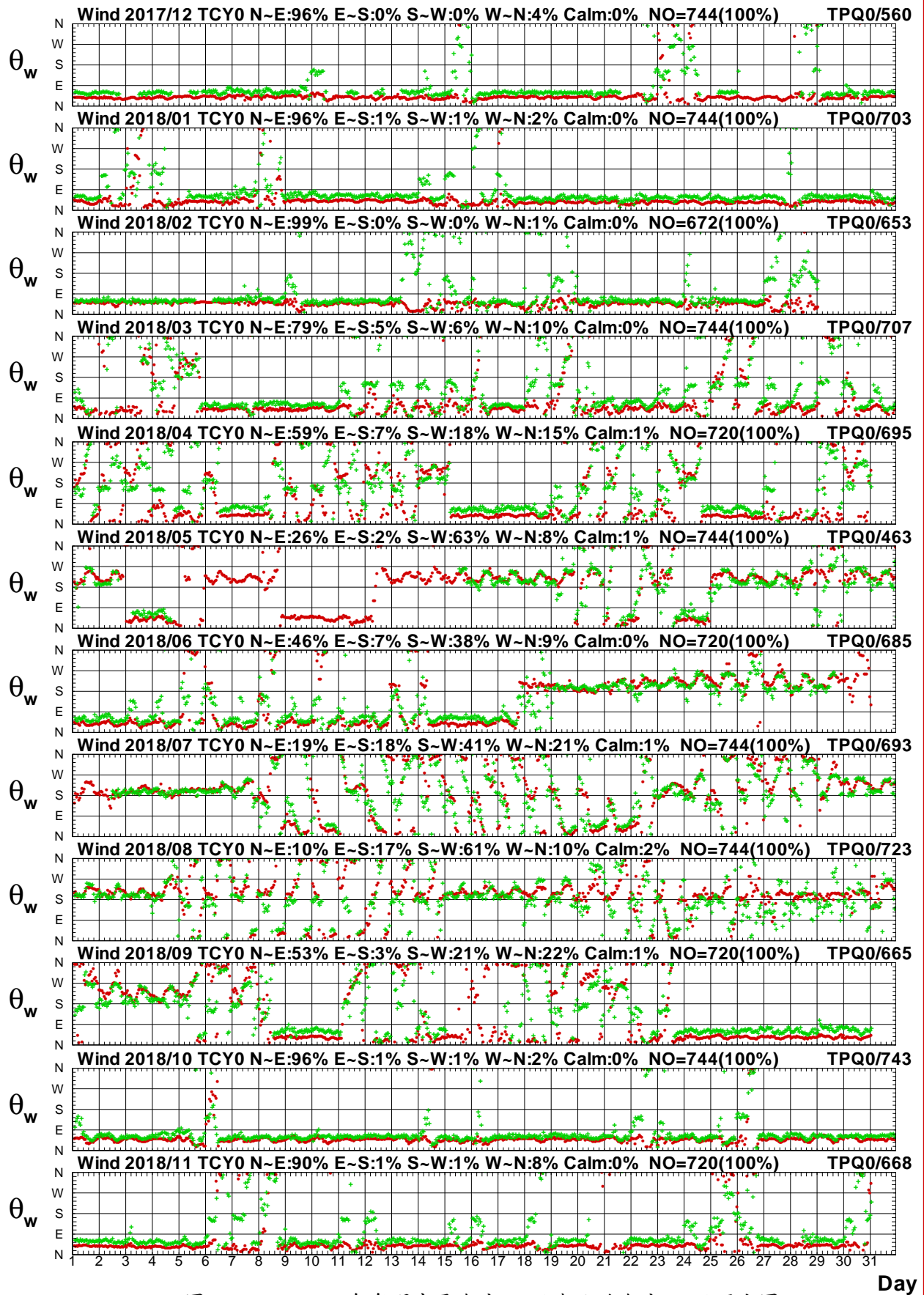


圖1.4.20b 2018年每月中雲海域 Y 站與北苗海域 Q 站風向圖

W17TCY0.1HA W17CTPQ0.1HO W181TCY0.1HA W181TPQ0.1HO W182TCY0.1HA W182TPQ0.1HO
W183TCY0.1HA W183TPQ0.1HO W184TCY0.1HA W184TPQ0.1HO W185TCY0.1HA W185TPQ0.1HO

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1.5 2018 年中雲海域風力各測站修補前 風力向量分佈圖

Distribution of Wind Vectors

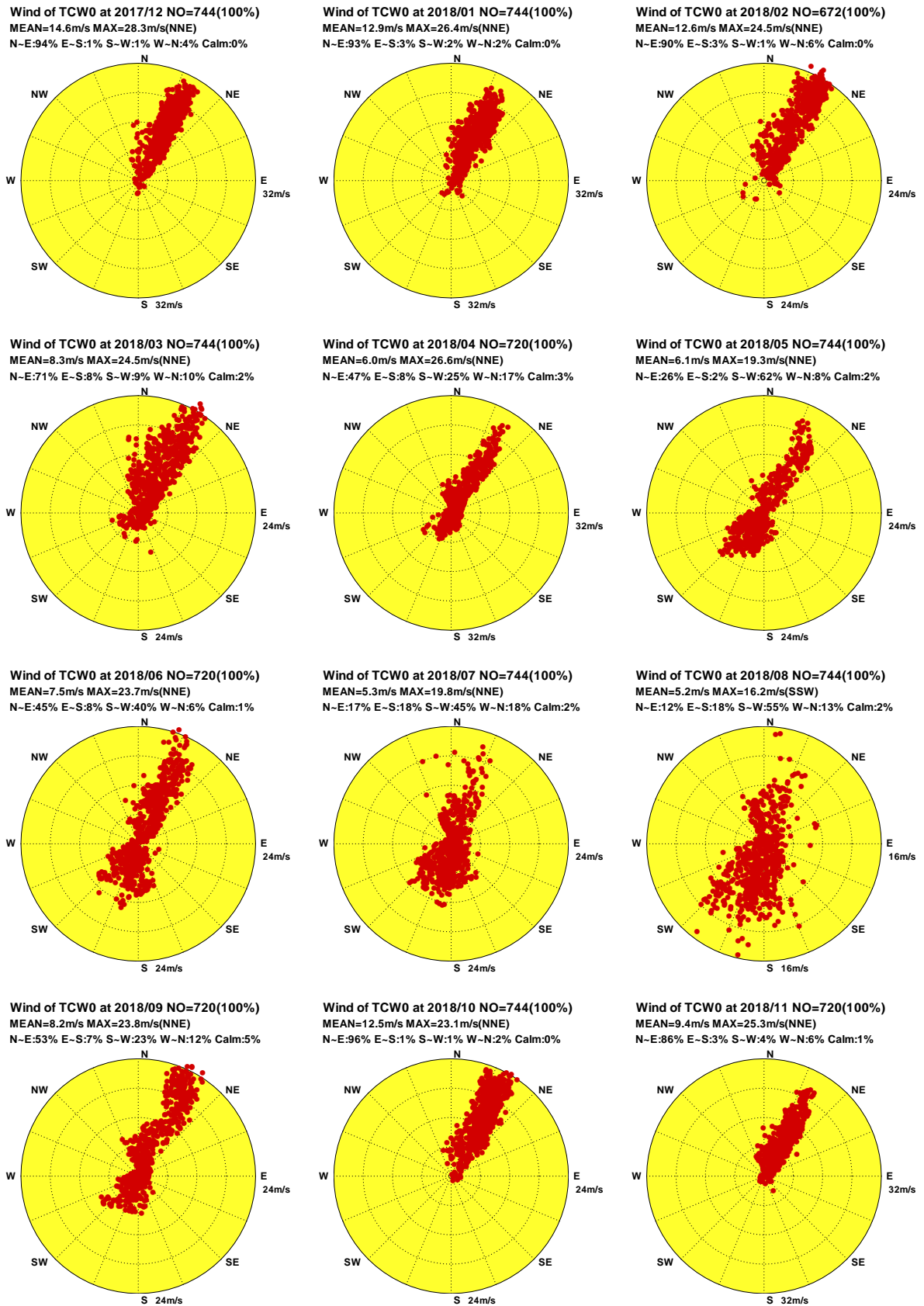


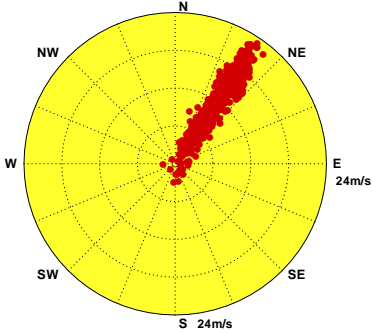
圖 1.5.1 2018 年中雲海域每月 W 站修補前觀測風力向量分佈圖

W17TCW0.1H0 W181TCW0.1H0 W182TCW0.1H0 W183TCW0.1H0 W184TCW0.1H0 W185TCW0.1H0
W186TCW0.1H0 W187TCW0.1H0 W188TCW0.1H0 W189TCW0.1H0 W18ATCW0.1H0 W18BTCW0.1H0

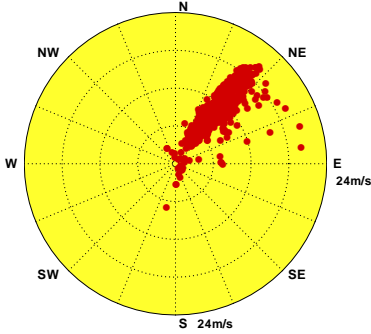
Institute of Harbor & Marine Technology

Distribution of Wind Vectors

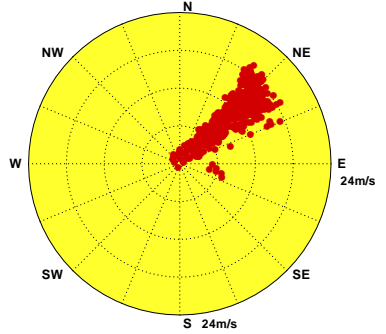
Wind of TC10 at 2017/12 NO=738(99%)
 MEAN=11.3m/s MAX=22.0m/s(NE)
 N-E:97% E-S:2% S-W:1% W-N:0% Calm:0%



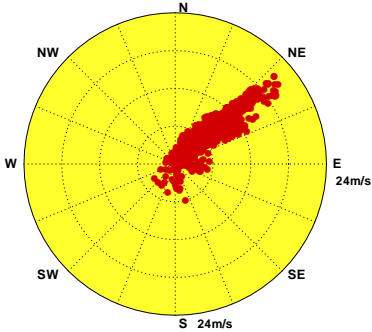
Wind of TC10 at 2018/01 NO=734(99%)
 MEAN=10.1m/s MAX=19.7m/s(ENE)
 N-E:96% E-S:2% S-W:1% W-N:1% Calm:0%



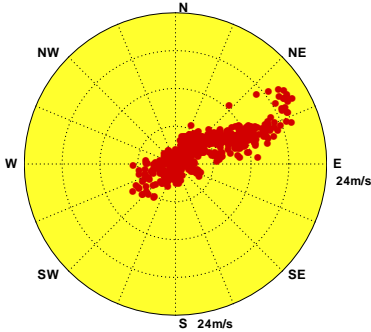
Wind of TC10 at 2018/02 NO=663(99%)
 MEAN=9.8m/s MAX=18.4m/s(NE)
 N-E:97% E-S:1% S-W:1% W-N:1% Calm:0%



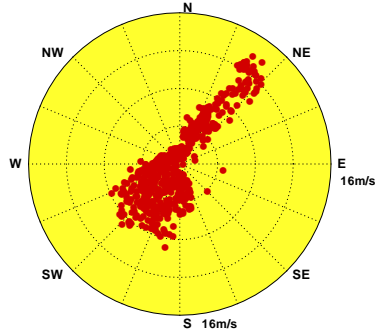
Wind of TC10 at 2018/03 NO=728(98%)
 MEAN=6.5m/s MAX=19.9m/s(NE)
 N-E:83% E-S:7% S-W:6% W-N:3% Calm:1%



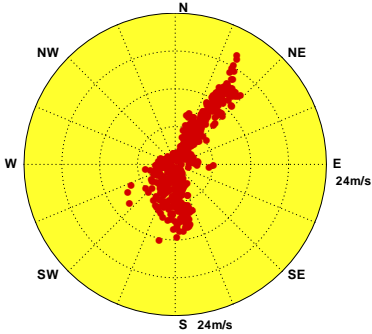
Wind of TC10 at 2018/04 NO=698(97%)
 MEAN=4.8m/s MAX=20.2m/s(ENE)
 N-E:58% E-S:6% S-W:20% W-N:15% Calm:1%



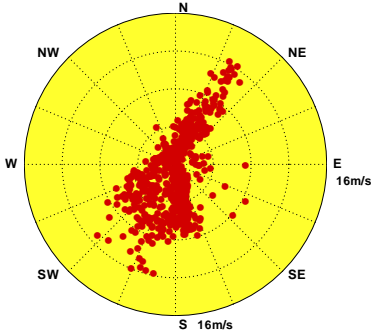
Wind of TC10 at 2018/05 NO=644(87%)
 MEAN=4.3m/s MAX=13.1m/s(NE)
 N-E:25% E-S:4% S-W:54% W-N:16% Calm:1%



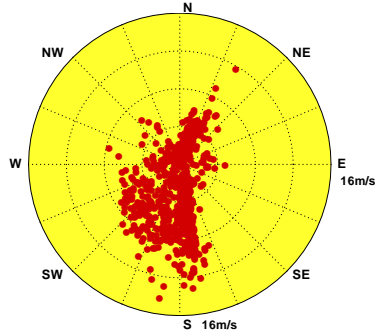
Wind of TC10 at 2018/06 NO=690(96%)
 MEAN=5.6m/s MAX=18.8m/s(NNE)
 N-E:44% E-S:16% S-W:32% W-N:7% Calm:1%



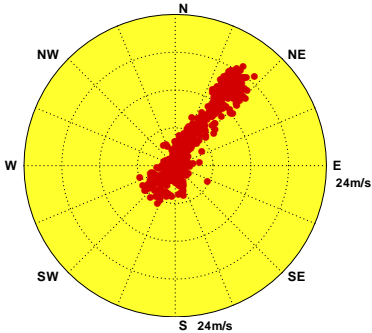
Wind of TC10 at 2018/07 NO=732(98%)
 MEAN=4.2m/s MAX=12.7m/s(SSW)
 N-E:23% E-S:23% S-W:41% W-N:13% Calm:0%



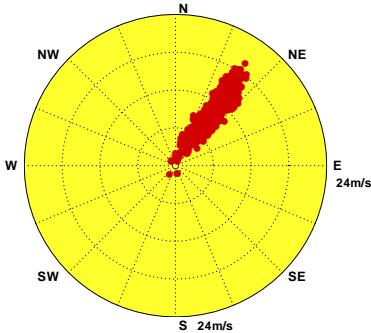
Wind of TC10 at 2018/08 NO=725(97%)
 MEAN=5.0m/s MAX=15.0m/s(S)
 N-E:14% E-S:28% S-W:47% W-N:10% Calm:1%



Wind of TC10 at 2018/09 NO=705(98%)
 MEAN=6.4m/s MAX=18.0m/s(NE)
 N-E:59% E-S:6% S-W:22% W-N:12% Calm:1%



Wind of TC10 at 2018/10 NO=728(98%)
 MEAN=9.5m/s MAX=18.5m/s(NE)
 N-E:98% E-S:0% S-W:1% W-N:1% Calm:0%



Wind of TC10 at 2018/11 NO=709(98%)
 MEAN=7.6m/s MAX=19.6m/s(NNE)
 N-E:94% E-S:2% S-W:1% W-N:3% Calm:0%

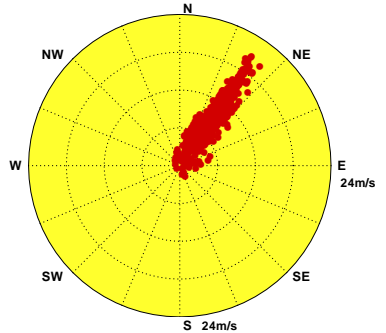


圖1.5.2 2018年中雲海域每月 I 站修補前觀測風力向量分佈圖

W17CTC10.1H0 W181TC10.1H0 W182TC10.1H0 W183TC10.1H0 W184TC10.1H0 W185TC10.1H0
 W186TC10.1H0 W187TC10.1H0 W188TC10.1H0 W189TC10.1H0 W18ATC10.1H0 W18BTC10.1H0

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Distribution of Wind Vectors

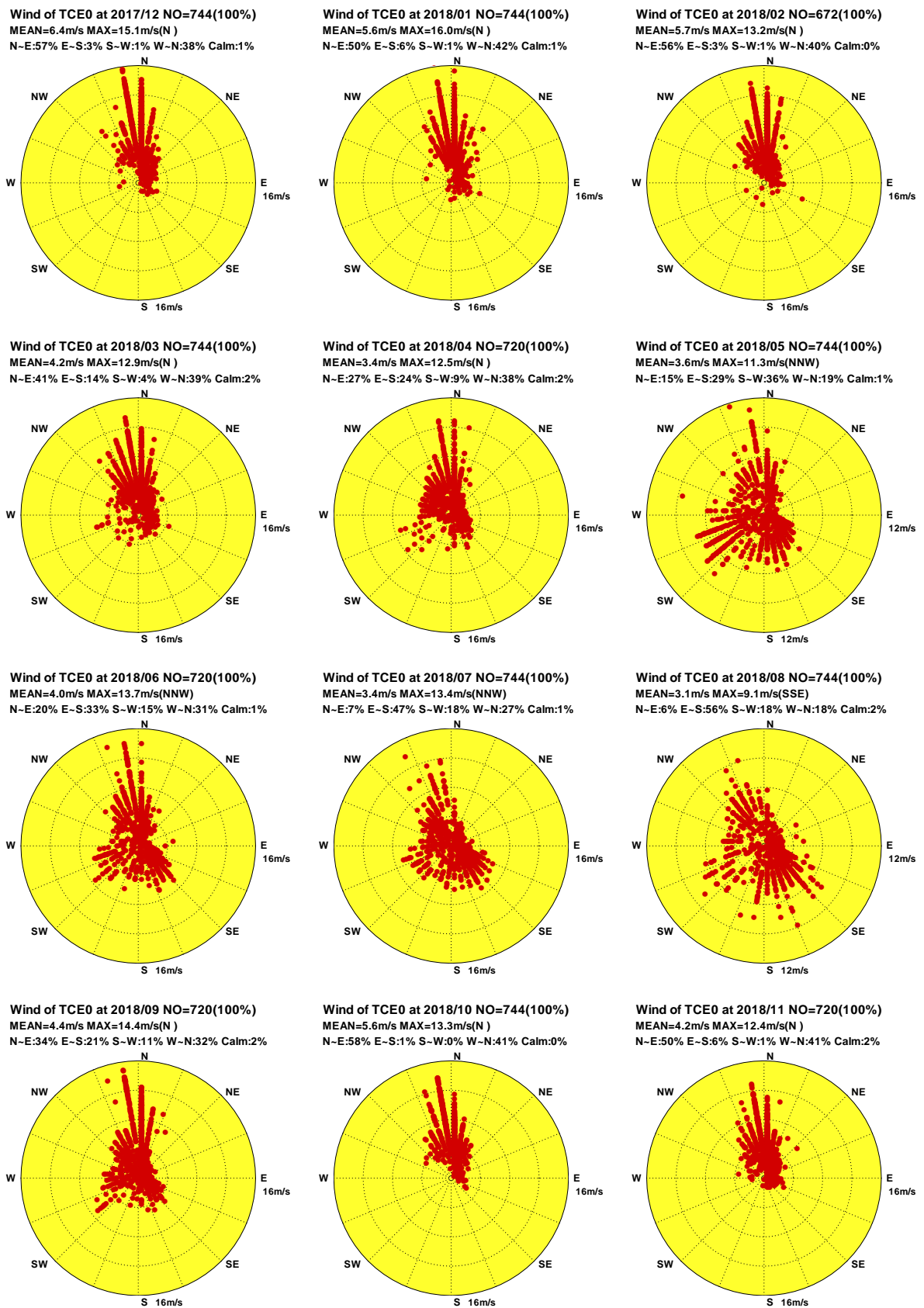


圖1.5.3 2018年中雲海域每月 E 站修補前觀測風力向量分佈圖

W17CTCE0.1H0 W181TCE0.1H0 W182TCE0.1H0 W183TCE0.1H0 W184TCE0.1H0 W185TCE0.1H0
 W186TCE0.1H0 W187TCE0.1H0 W188TCE0.1H0 W189TCE0.1H0 W18ATCE0.1H0 W18BTCE0.1H0

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Distribution of Wind Vectors

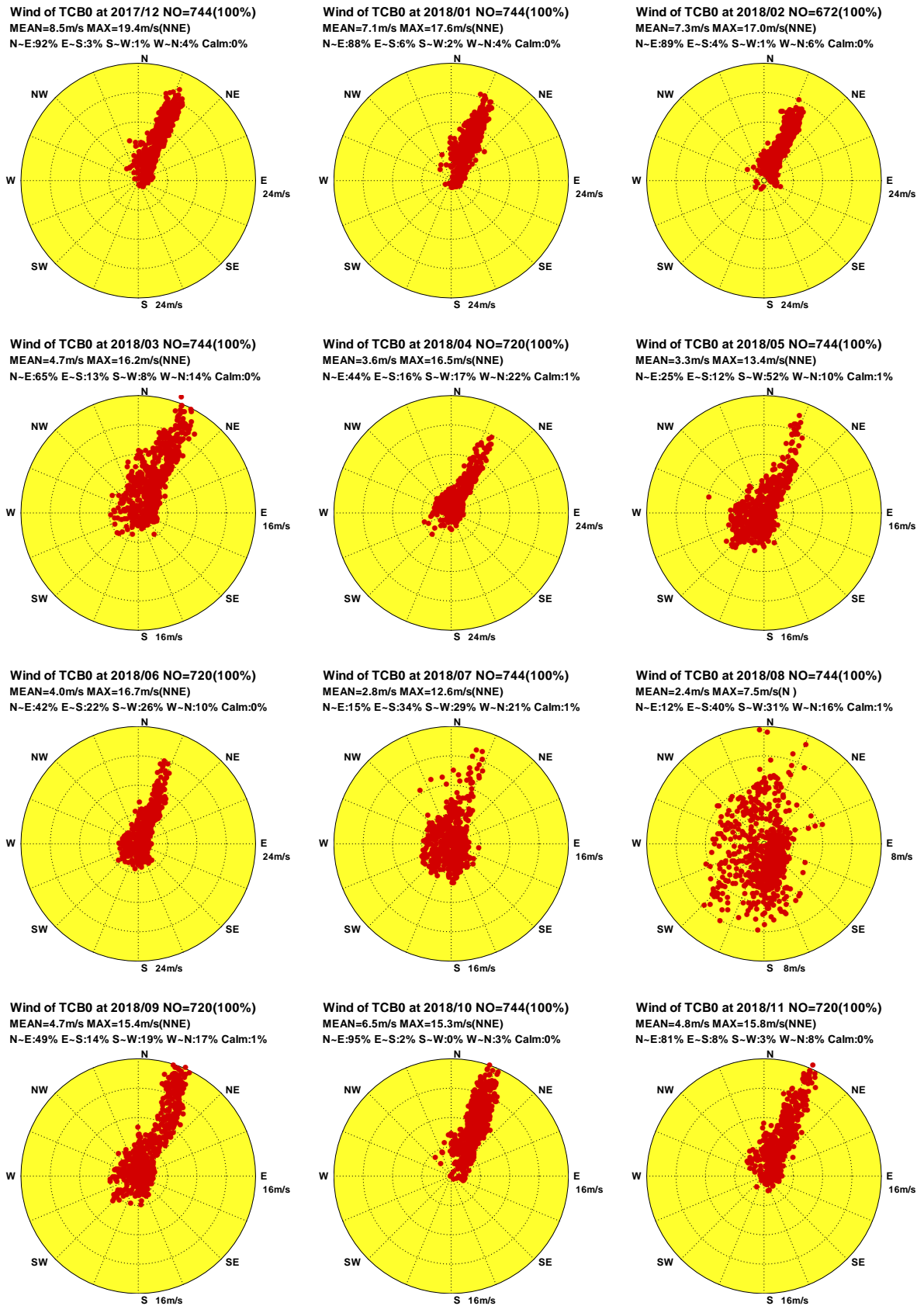


圖1.5.4 2018年中雲海域每月 B 站修補前觀測風力向量分佈圖

W17TCB0.1H0 W181TCB0.1H0 W182TCB0.1H0 W183TCB0.1H0 W184TCB0.1H0 W185TCB0.1H0
W186TCB0.1H0 W187TCB0.1H0 W188TCB0.1H0 W189TCB0.1H0 W18ATCB0.1H0 W18BTCB0.1H0

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1.6 2018 年中雲海域風力各測站修補前 風力向量行進圖

Progressive Vector Diagram of Wind

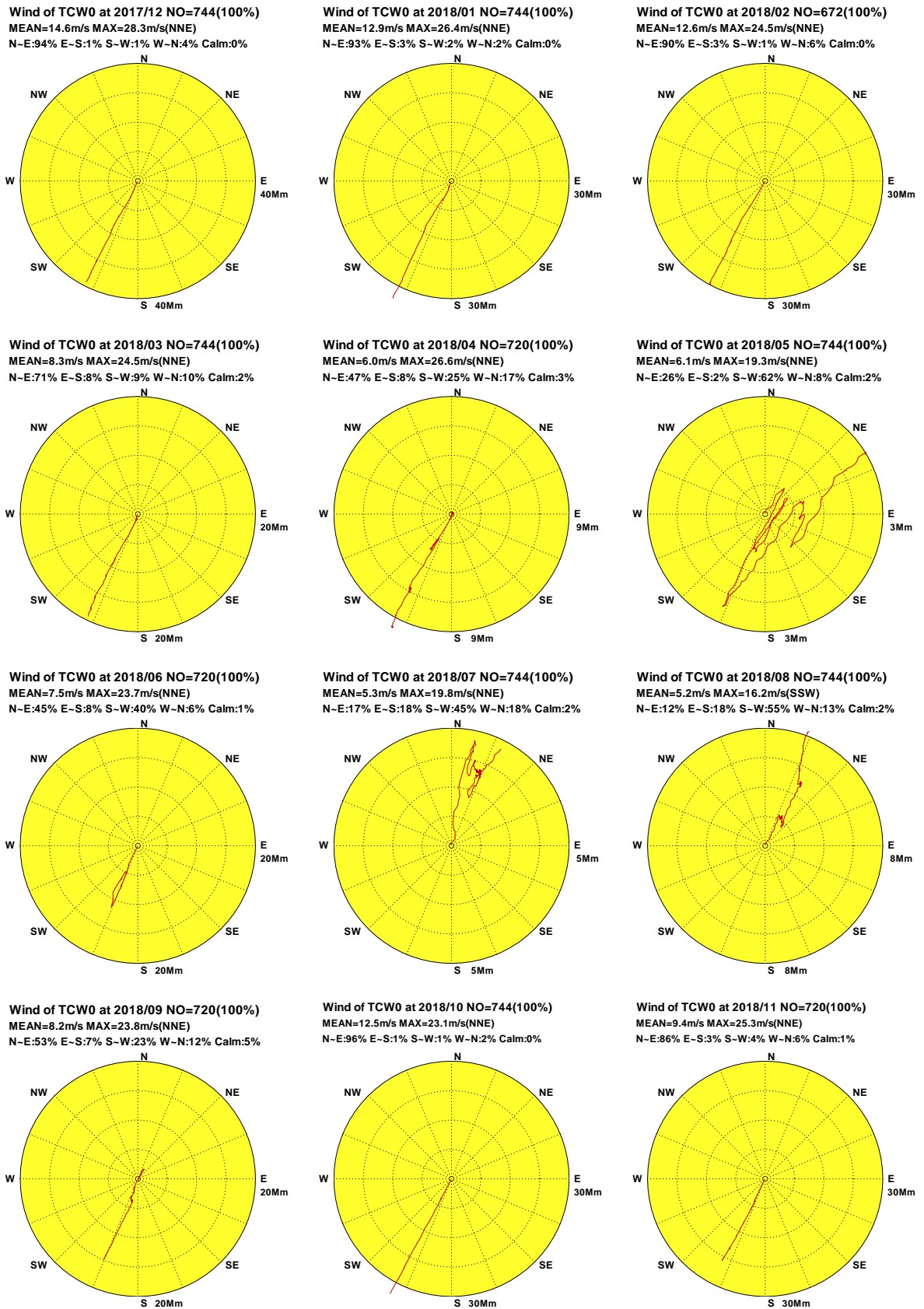


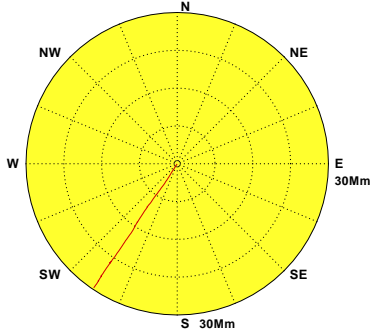
圖 1.6.1 2018 年中雲海域每月 W 站修補前觀測風力向量行進圖

W17TCW0.1H0 W181TCW0.1H0 W182TCW0.1H0 W183TCW0.1H0 W184TCW0.1H0 W185TCW0.1H0
W186TCW0.1H0 W187TCW0.1H0 W188TCW0.1H0 W189TCW0.1H0 W18ATCW0.1H0 W18BTCW0.1H0

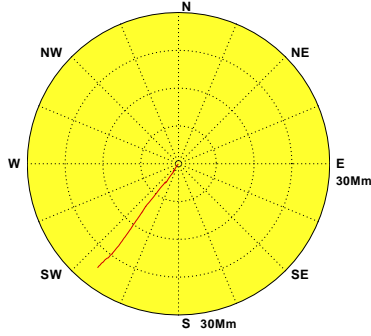
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Progressive Vector Diagram of Wind

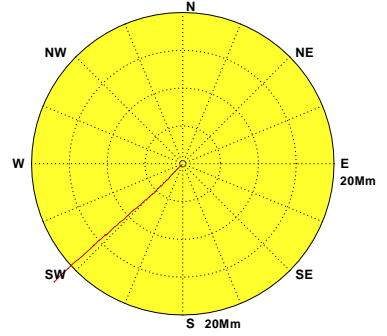
Wind of TCI0 at 2017/12 NO=738(99%)
MEAN=11.3m/s MAX=22.0m/s(NE)
N-E:97% E-S:2% S-W:1% W-N:0% Calm:0%



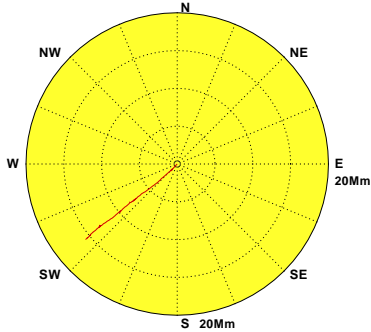
Wind of TCI0 at 2018/01 NO=734(99%)
MEAN=10.1m/s MAX=19.7m/s(ENE)
N-E:96% E-S:2% S-W:1% W-N:1% Calm:0%



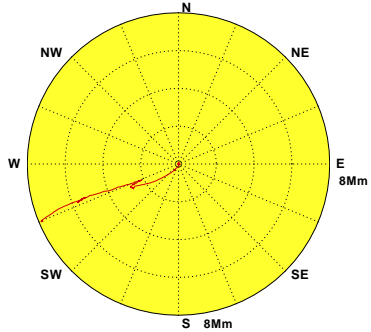
Wind of TCI0 at 2018/02 NO=663(99%)
MEAN=9.8m/s MAX=18.4m/s(NE)
N-E:97% E-S:1% S-W:1% W-N:1% Calm:0%



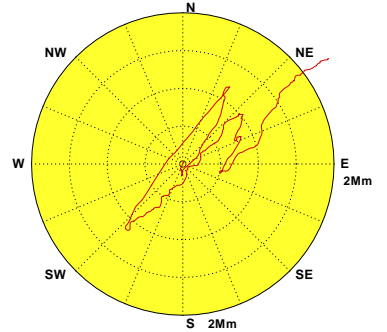
Wind of TCI0 at 2018/03 NO=728(98%)
MEAN=6.5m/s MAX=19.9m/s(NE)
N-E:83% E-S:7% S-W:6% W-N:3% Calm:1%



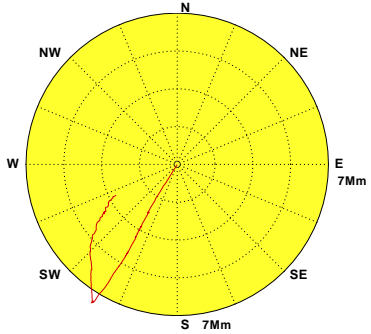
Wind of TCI0 at 2018/04 NO=698(97%)
MEAN=4.8m/s MAX=20.2m/s(ENE)
N-E:58% E-S:6% S-W:20% W-N:15% Calm:1%



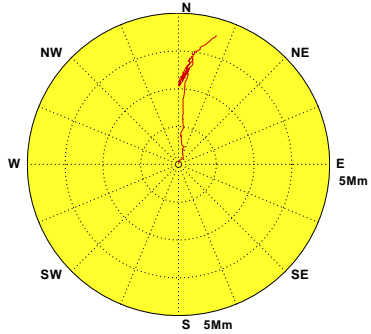
Wind of TCI0 at 2018/05 NO=644(87%)
MEAN=4.3m/s MAX=13.1m/s(NE)
N-E:25% E-S:4% S-W:54% W-N:16% Calm:1%



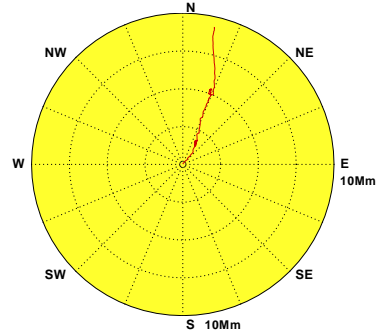
Wind of TCI0 at 2018/06 NO=690(96%)
MEAN=5.6m/s MAX=18.8m/s(NNE)
N-E:44% E-S:16% S-W:32% W-N:7% Calm:1%



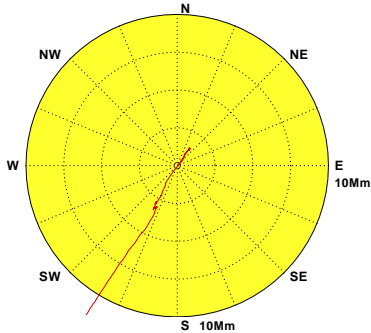
Wind of TCI0 at 2018/07 NO=732(98%)
MEAN=4.2m/s MAX=12.7m/s(SSW)
N-E:23% E-S:23% S-W:41% W-N:13% Calm:0%



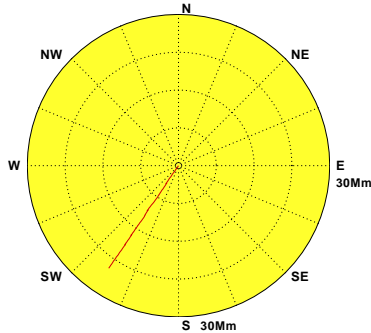
Wind of TCI0 at 2018/08 NO=725(97%)
MEAN=5.0m/s MAX=15.0m/s(S)
N-E:14% E-S:28% S-W:47% W-N:10% Calm:1%



Wind of TCI0 at 2018/09 NO=705(98%)
MEAN=6.4m/s MAX=18.0m/s(NE)
N-E:59% E-S:6% S-W:22% W-N:12% Calm:1%



Wind of TCI0 at 2018/10 NO=728(98%)
MEAN=9.5m/s MAX=18.5m/s(NE)
N-E:98% E-S:0% S-W:1% W-N:1% Calm:0%



Wind of TCI0 at 2018/11 NO=709(98%)
MEAN=7.6m/s MAX=19.6m/s(NNE)
N-E:94% E-S:2% S-W:1% W-N:3% Calm:0%

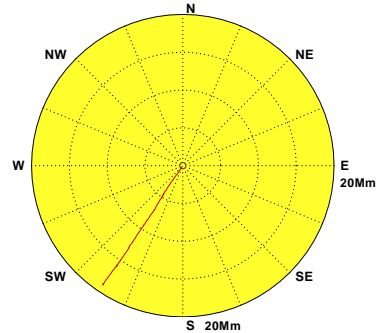


圖1.6.2 2018年中雲海域每月 I 站修補前觀測風力向量行進圖

W17TCI0.1H0 W181TCI0.1H0 W182TCI0.1H0 W183TCI0.1H0 W184TCI0.1H0 W185TCI0.1H0
W186TCI0.1H0 W187TCI0.1H0 W188TCI0.1H0 W189TCI0.1H0 W18ATCI0.1H0 W18BTCI0.1H0

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Progressive Vector Diagram of Wind

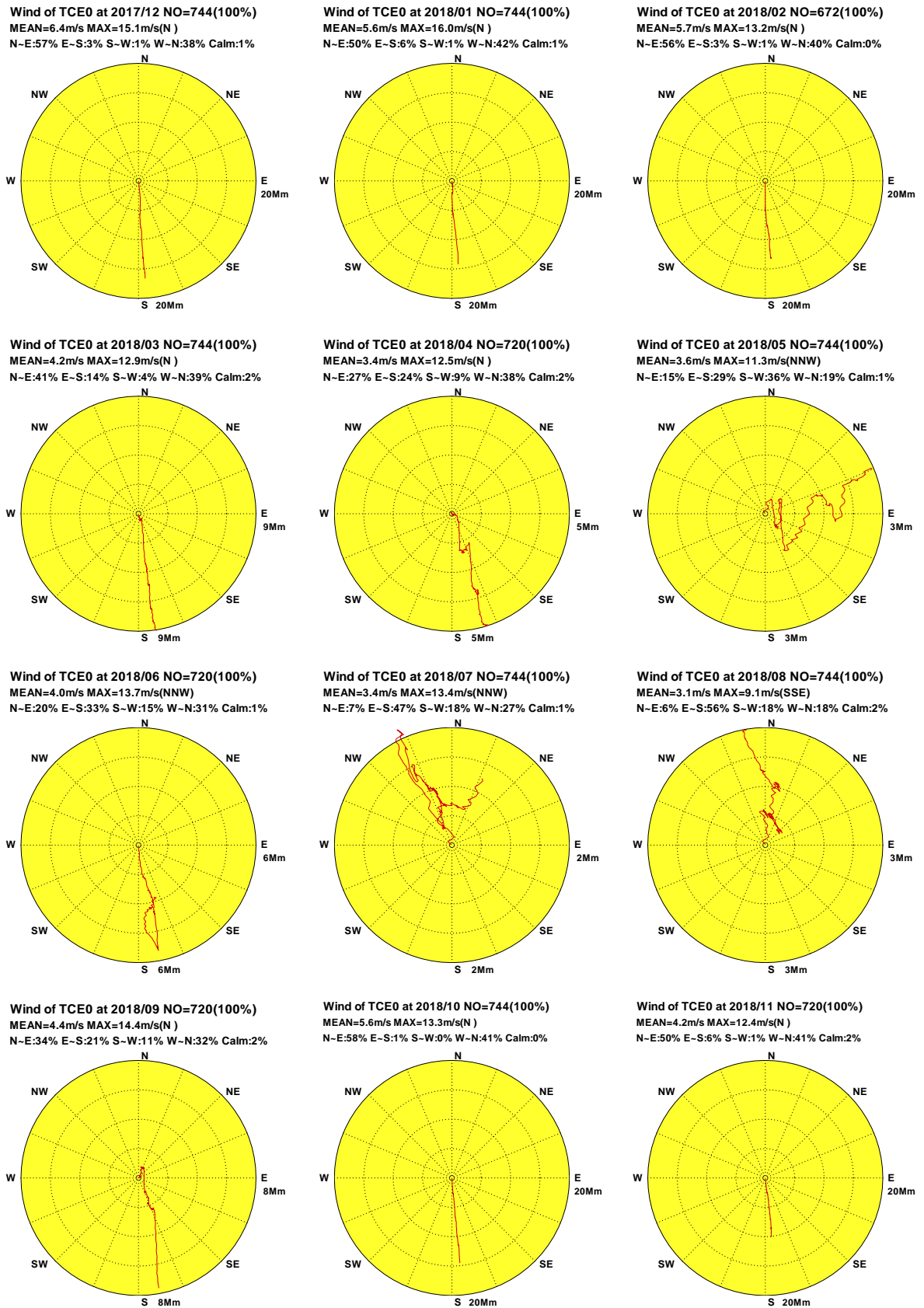


圖1.6.3 2018年中雲海域每月 E 站修補前觀測風力向量行進圖

W17CTCE0.1H0 W181TCE0.1H0 W182TCE0.1H0 W183TCE0.1H0 W184TCE0.1H0 W185TCE0.1H0
W186TCE0.1H0 W187TCE0.1H0 W188TCE0.1H0 W189TCE0.1H0 W18ATCE0.1H0 W18BTCE0.1H0

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Progressive Vector Diagram of Wind

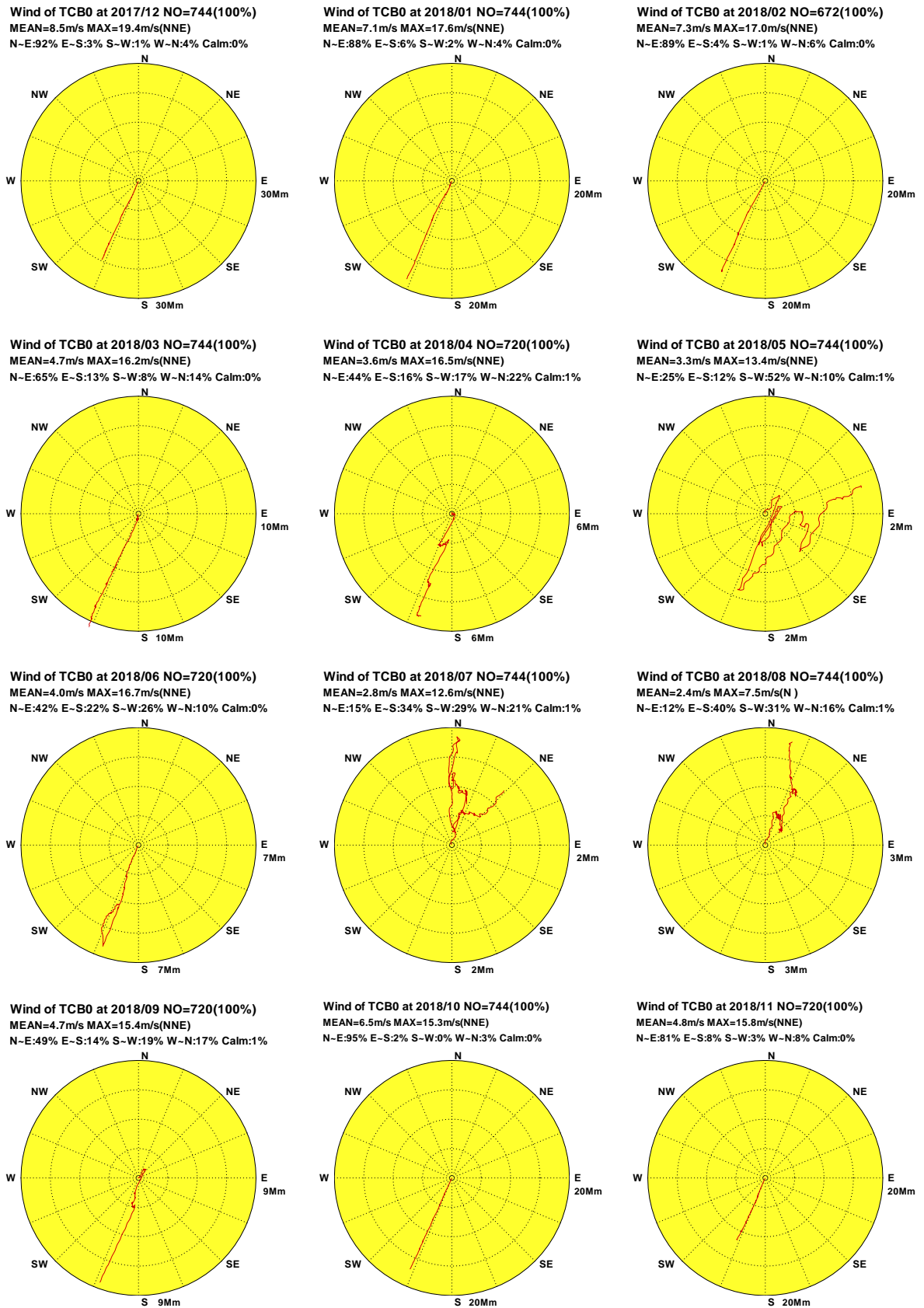


圖1.6.4 2018年中雲海域每月 B 站修補前觀測風力向量行進圖

W17TCB0.1H0 W181TCB0.1H0 W182TCB0.1H0 W183TCB0.1H0 W184TCB0.1H0 W185TCB0.1H0
W186TCB0.1H0 W187TCB0.1H0 W188TCB0.1H0 W189TCB0.1H0 W18ATCB0.1H0 W18BTCB0.1H0

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第二章 2018 年中雲海域觀測波浪資料年報

中雲海域波浪觀測包括測站 X 及測站 U 等 2 個測站(測站位置如第 O 章圖 VG1)。本年報取經檢核及補遺之 X 站資料作為主要測站 1，Y 站資料作為主要測站 2。

2.1 2018 年中雲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 年中雲海域**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 年中雲海域**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 年中雲海域**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 年中雲海域**各測站修補前**每月波高向量分佈圖。

表 2.1.1a 2018 年每月中雲海域修補前各測站觀測波浪資料紀錄表

海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域
年月/測站	X	Y	U	Z	R							
2017/12 月	58(7.8%)	*	195(26.2%)	*	*	*	*	*	*	*	*	*
2018/ 1 月	599(80.5%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 2 月	*	*	*	*	*	*	*	*	*	*	*	*
2018/ 3 月	*	*	*	*	*	*	*	*	*	*	*	*
2018/ 4 月	*	*	*	*	*	*	*	*	*	*	*	*
2018/ 5 月	*	*	*	*	*	*	*	*	*	*	*	*
2018/ 6 月	61(8.5%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 7 月	744(100%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 8 月	732(98.4%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 9 月	671(93.2%)	*	*	*	*	*	*	*	*	*	*	*
2018/10 月	740(99.5%)	*	*	*	*	*	*	*	*	*	*	*
2018/11 月	703(97.6%)	*	*	*	*	*	*	*	*	*	*	*
2018/冬季	657(30.4%)	*	195(9.0%)	*	*	*	*	*	*	*	*	*
2018/春季	*	*	*	*	*	*	*	*	*	*	*	*
2018/夏季	1537(69.6%)	*	*	*	*	*	*	*	*	*	*	*
2018/秋季	2114(96.8%)	*	*	*	*	*	*	*	*	*	*	*
2018/整年	4308(49.2%)	*	195(2.2%)	*	*	*	*	*	*	*	*	*
起始年月	2017/12	*	2017/12	*	*	*	*	*	*	*	*	*
結束年月	2018/11	*	2017/12	*	*	*	*	*	*	*	*	*

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表 2.1.1b 2018 年每月中雲海域修補後各測站波浪資料紀錄表

海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域
年月/測站	X	Y										
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年中雲海域主要測站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%	3.62	8.3/11.1/NNE	8.0	12.0	.0	.5	33.2	66.3	.4	48.0	49.2	2.4	100%	95.3	.0	.0	4.7	NNE/53%
2018/01	100%	2.11	4.7/ 8.8/N	7.3	10.0	.1	14.8	77.2	7.9	9.7	63.3	26.6	.4	100%	38.2	.0	.0	61.8	N /77%
2018/02	100%	1.99	4.4/10.4/NNE	7.2	10.4	1.6	27.5	59.2	11.6	7.7	74.3	17.9	.1	100%	97.8	.0	.6	1.6	NNE/56%
2018/03	100%	1.40	3.7/ 8.5/NNE	6.8	9.0	.5	62.0	35.1	2.4	9.4	80.1	10.5	.0	100%	95.2	.3	.0	4.6	NNE/57%
2018/04	100%	1.61	7.0/11.3/NNE	6.5	11.3	.0	62.2	29.4	8.3	22.2	72.2	5.1	.4	100%	91.4	.0	.0	8.6	NNE/60%
2018/05	100%	.84	2.1/ 6.9/N	5.0	7.9	13.8	78.9	7.3	.0	73.4	26.6	.0	.0	100%	31.0	.1	3.8	65.1	N /38%
2018/06	100%	.88	2.4/ 8.4/NNE	6.0	9.2	19.6	71.4	9.0	.0	37.5	61.1	1.4	.0	100%	32.4	.0	5.1	62.5	N /42%
2018/07	100%	.76	2.3/ 7.8/NNE	6.2	11.1	25.5	67.7	6.7	.0	36.8	52.6	10.1	.5	100%	37.8	.0	3.6	58.6	NNE/24%
2018/08	100%	.70	15.5/ 6.1/WNW	6.4	32.7	39.0	55.9	1.1	4.0	50.3	23.5	21.1	5.1	100%	21.0	5.8	12.1	61.2	NNW/17%
2018/09	100%	1.59	6.7/ 4.9/S	6.9	15.5	21.1	28.8	42.5	7.6	31.4	42.8	21.1	4.7	100%	63.9	2.9	2.9	30.3	NNE/48%
2018/10	100%	1.91	3.5/ 8.3/NNE	7.1	12.2	.0	25.8	70.3	3.9	15.2	66.8	14.0	4.0	100%	99.7	.0	.0	.3	NNE/85%
2018/11	100%	1.69	3.7/ 8.9/NNE	6.8	9.7	.6	40.1	54.2	5.1	19.3	63.8	16.9	.0	100%	97.8	.0	.0	2.2	NNE/84%
2018/冬	100%	2.59	8.3/11.1/NNE	7.5	12.0	.6	13.8	56.4	29.2	5.9	61.4	31.7	1.0	100%	76.4	.0	.2	23.4	N /55%
2018/春	100%	1.28	7.0/11.3/NNE	6.1	11.3	4.8	67.8	23.9	3.5	35.1	59.5	5.2	.1	100%	72.3	.1	1.3	26.3	NNE/41%
2018/夏	100%	.78	15.5/ 6.1/WNW	6.2	32.7	28.1	64.9	5.6	1.4	41.6	45.6	11.0	1.9	100%	30.3	1.9	7.0	60.7	N /21%
2018/秋	100%	1.73	6.7/ 4.9/S	6.9	15.5	7.1	31.5	55.8	5.5	21.9	57.9	17.3	2.9	100%	87.3	1.0	1.0	10.8	NNE/72%
2018/年	100%	1.59	15.5/ 6.1/WNW	6.7	32.7	10.2	44.7	35.3	9.8	26.2	56.1	16.2	1.5	100%	66.5	.8	2.4	30.4	NNE/42%

表2.1.3 2018年中雲海域主要測站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 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	最大	<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%	5.70	14.1/ 9.1/NNE	6.4	9.9	.0	.0	6.6	93.4	29.3	67.9	2.8	.0	100%	100.0	.0	.0	.0	NNE/56%
2018/01	100%	2.61	6.3/ 6.6/SSW	5.7	7.4	.9	9.9	59.1	30.0	63.2	36.8	.0	.0	100%	61.6	.0	38.2	.3	NNE/58%
2018/02	100%	2.76	7.1/ 8.5/NNE	5.6	8.5	6.5	16.8	33.0	43.6	67.7	32.1	.1	.0	100%	98.2	.0	.1	1.6	NNE/69%
2018/03	100%	1.23	3.3/ 6.2/NNE	5.2	6.6	7.1	63.2	29.4	.3	92.7	7.3	.0	.0	100%	95.4	.0	2.6	2.0	NNE/57%
2018/04	100%	1.62	8.3/ 6.2/NNE	4.8	6.2	1.7	60.6	24.9	12.9	99.6	.4	.0	.0	100%	91.4	.0	4.3	4.3	NNE/62%
2018/05	100%	.83	2.4/ 4.5/N	3.9	4.5	22.4	67.3	10.2	.0	100.0	.0	.0	.0	100%	15.1	.0	14.9	70.0	N /45%
2018/06	100%	.85	2.6/ 5.4/NNE	4.3	5.8	30.8	58.8	10.4	.0	100.0	.0	.0	.0	100%	32.4	.0	35.7	31.9	NW /23%
2018/07	100%	.64	2.0/ 4.9/NNE	4.3	5.8	41.3	54.8	3.9	.0	100.0	.0	.0	.0	100%	37.8	.0	50.1	12.1	WSW/33%
2018/08	100%	.58	14.1/ 4.2/SW	4.7	23.4	31.9	39.2	.9	3.9	95.7	.7	.9	2.7	100%	21.0	10.2	58.3	10.5	SW /20%
2018/09	100%	1.60	7.1/ 4.1/WSW	5.0	8.2	24.2	25.7	41.1	9.0	93.8	6.1	.1	.0	100%	63.9	.0	31.8	4.3	NNE/48%
2018/10	100%	2.72	5.5/ 6.6/NNE	5.9	8.7	1.2	10.9	46.5	41.4	53.0	44.0	3.1	.0	100%	100.0	.0	.0	.0	NNE/61%
2018/11	100%	2.27	5.7/ 6.7/NNE	5.6	7.1	2.9	23.2	52.6	21.3	71.4	28.6	.0	.0	100%	100.0	.0	.0	.0	NNE/80%
2018/冬	100%	3.72	14.1/ 9.1/NNE	5.9	9.9	2.4	8.7	32.9	56.1	52.9	46.1	1.0	.0	100%	86.2	.0	13.2	.6	NNE/61%
2018/春	100%	1.22	8.3/ 6.2/NNE	4.6	6.6	10.5	63.7	21.5	4.3	97.4	2.6	.0	.0	100%	67.0	.0	7.3	25.7	NNE/40%
2018/夏	100%	.69	14.1/ 4.2/SW	4.4	23.4	34.7	50.9	5.0	1.3	98.6	.2	.3	.9	100%	30.3	3.4	48.2	18.0	WSW/22%
2018/秋	100%	2.20	7.1/ 4.1/WSW	5.5	8.7	9.3	19.8	46.7	24.1	72.5	26.4	1.1	.0	100%	88.1	.0	10.5	1.4	NNE/63%
2018/年	100%	1.95	14.1/ 4.2/SW	5.1	23.4	14.3	36.0	26.4	21.2	80.5	18.7	.6	.2	100%	67.8	.9	19.9	11.5	NNE/45%

Wave H_s in Chung-Yun Seas of TCX0 at 2018

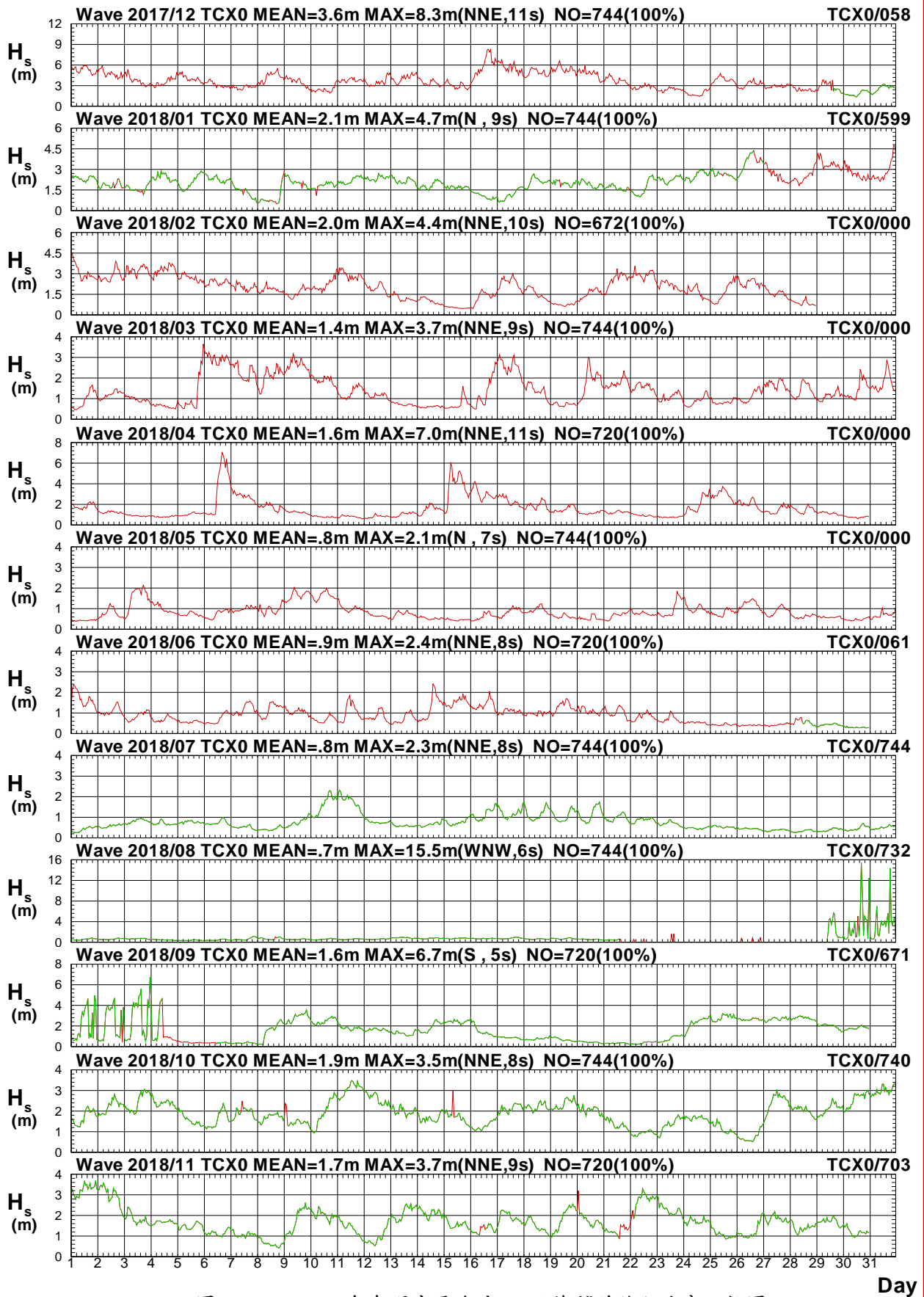


圖2.1.1a 2018年每月中雲海域 X 站修補前後之波高比較圖

V17CTCX0.1HA V17CTCX0.1HO V181TCX0.1HA V181TCX0.1HO V182TCX0.1HA V182TCX0.1HO
 V183TCX0.1HA V183TCX0.1HO V184TCX0.1HA V184TCX0.1HO V185TCX0.1HA V185TCX0.1HO

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Wave T_p in Chung-Yun Seas of TCX0 at 2018

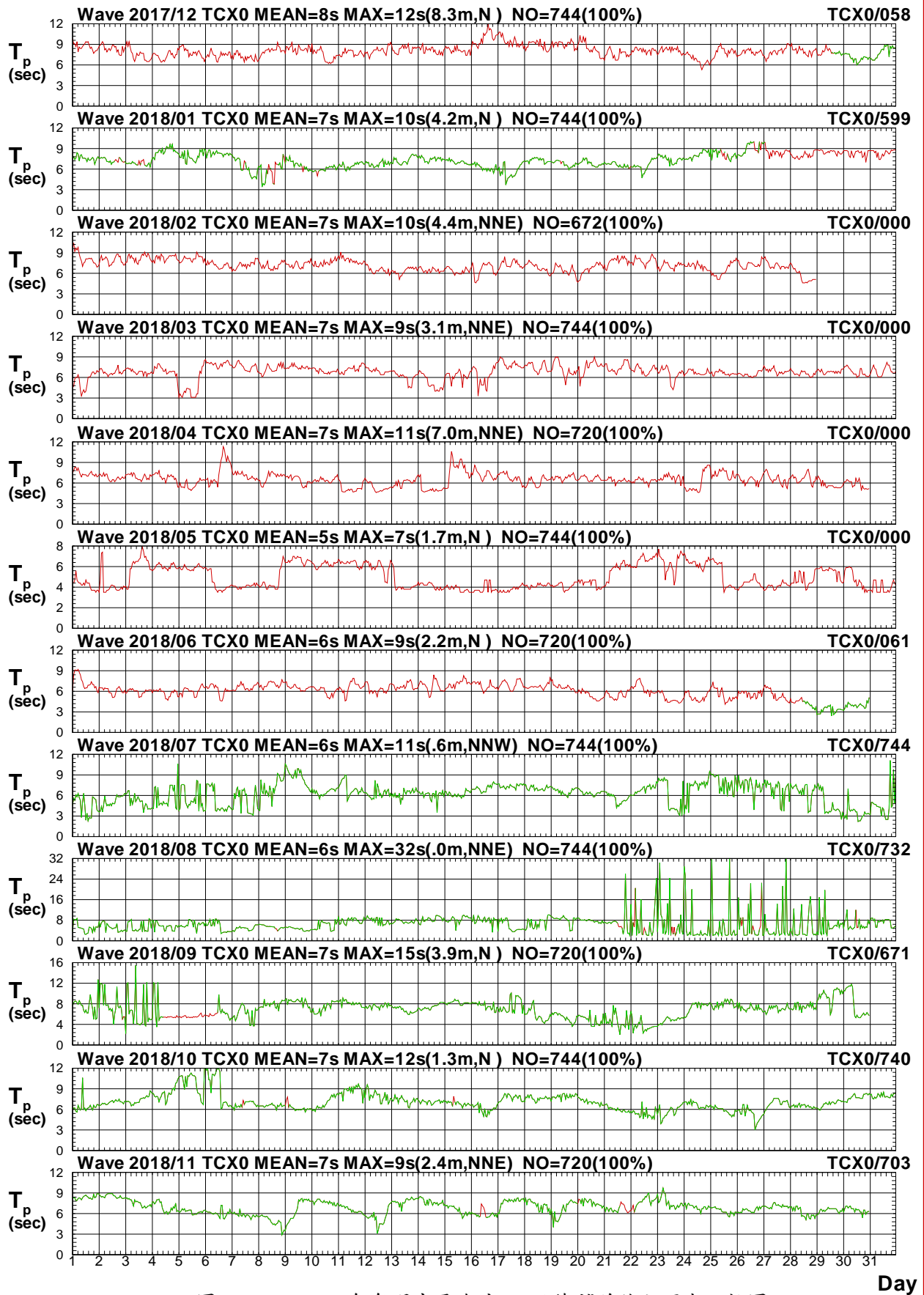


圖2.1.1b 2018年每月中雲海域 X 站修補前後之週期比較圖

V17CTCX0.1HA V17CTCX0.1HO V181TCX0.1HA V181TCX0.1HO V182TCX0.1HA V182TCX0.1HO
 V183TCX0.1HA V183TCX0.1HO V184TCX0.1HA V184TCX0.1HO V185TCX0.1HA V185TCX0.1HO

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Wave Direction in Chung-Yun Seas of TCX0 at 2018

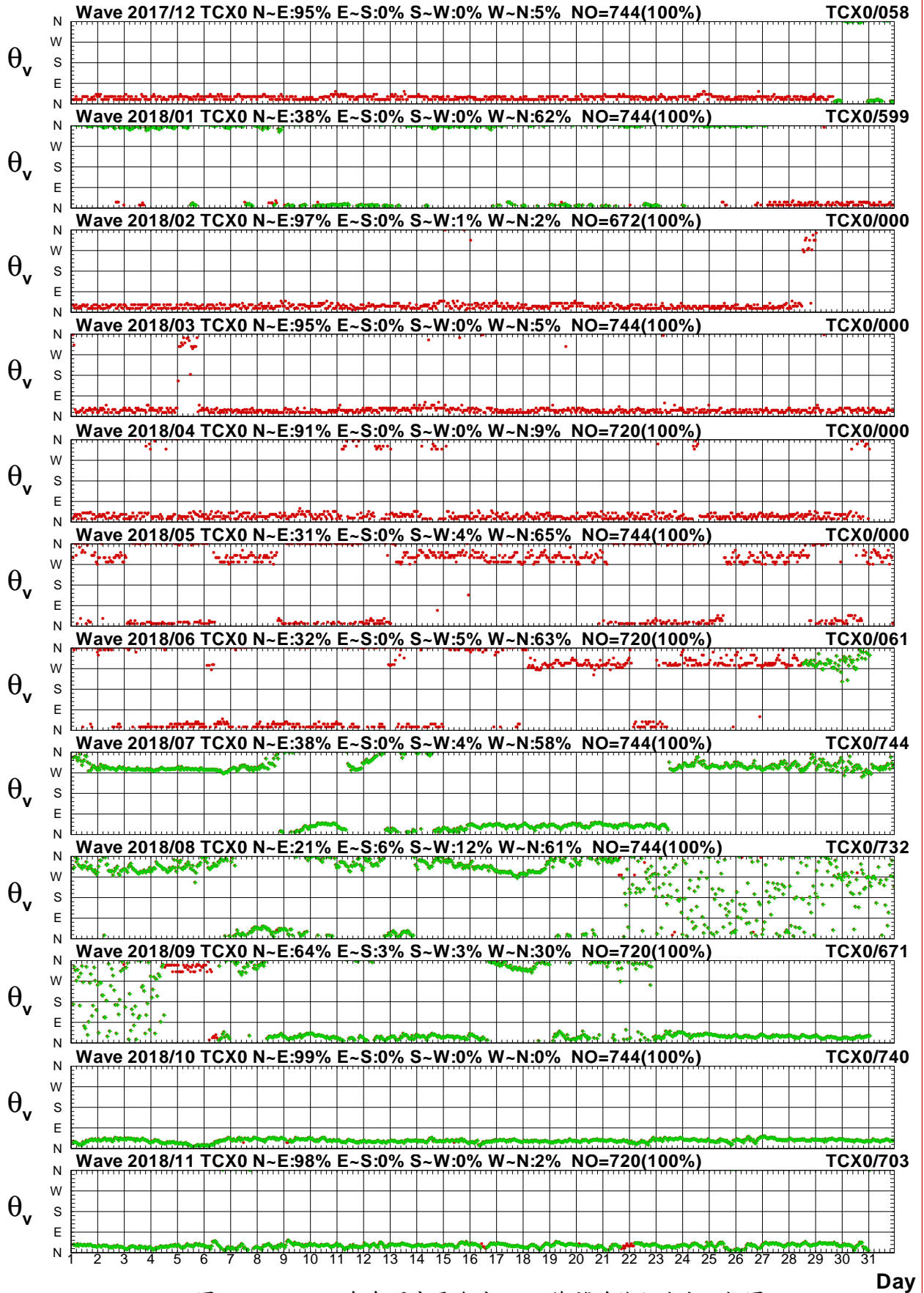


圖2.1.1c 2018年每月中雲海域 X 站修補前後之波向比較圖

V17CTCX0.1HA V17CTCX0.1HO V181TCX0.1HA V181TCX0.1HO V182TCX0.1HA V182TCX0.1HO
 V183TCX0.1HA V183TCX0.1HO V184TCX0.1HA V184TCX0.1HO V185TCX0.1HA V185TCX0.1HO

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Wave H_s in Chung-Yun Seas of TCY0 at 2018

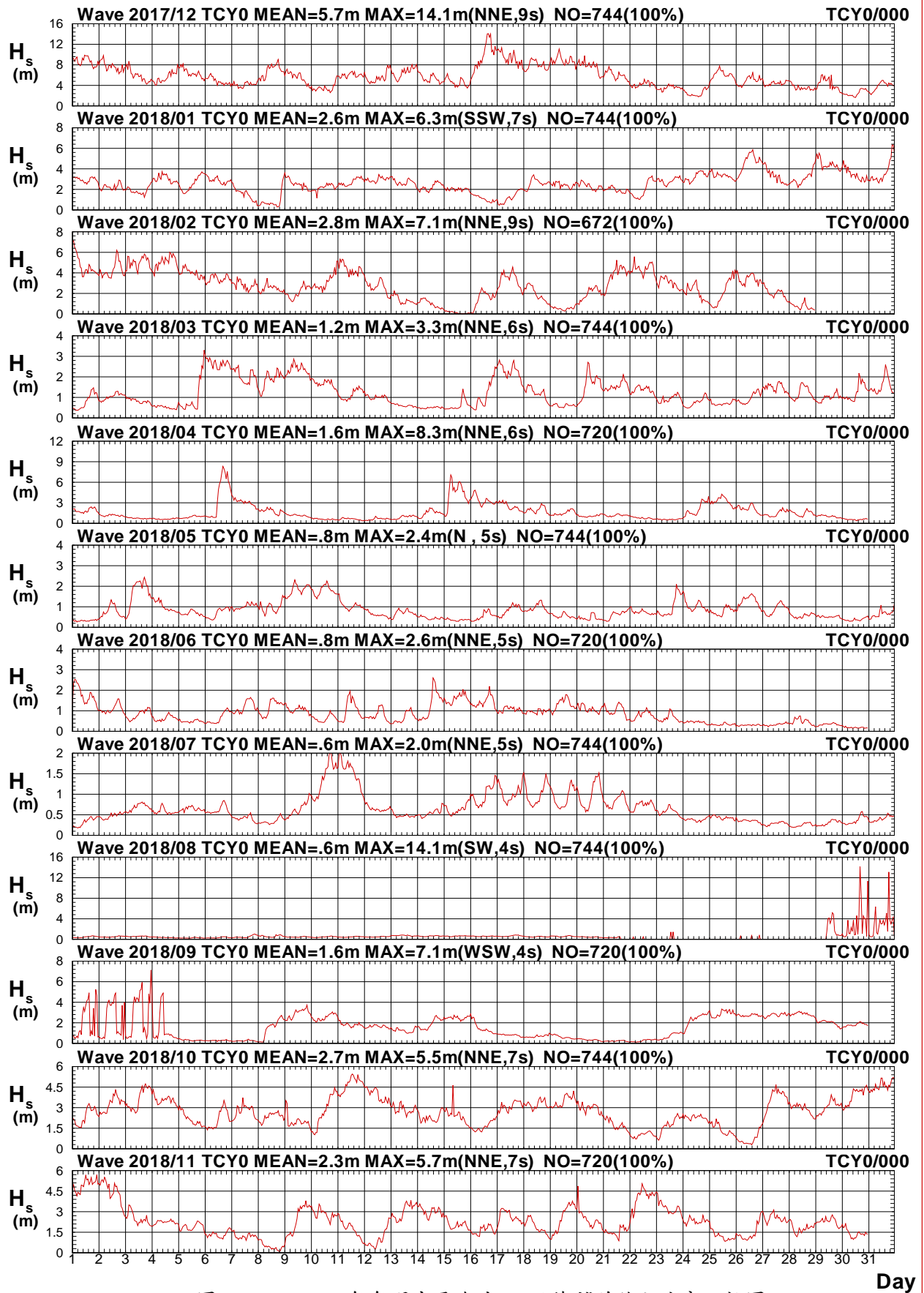


圖2.1.2a 2018年每月中雲海域 Y 站修補前後之波高比較圖

V17CTCY0.1HA V17CTCY0.1HO V181TCY0.1HA V181TCY0.1HO V182TCY0.1HA V182TCY0.1HO
 V183TCY0.1HA V183TCY0.1HO V184TCY0.1HA V184TCY0.1HO V185TCY0.1HA V185TCY0.1HO

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Wave T_p in Chung-Yun Seas of TCY0 at 2018

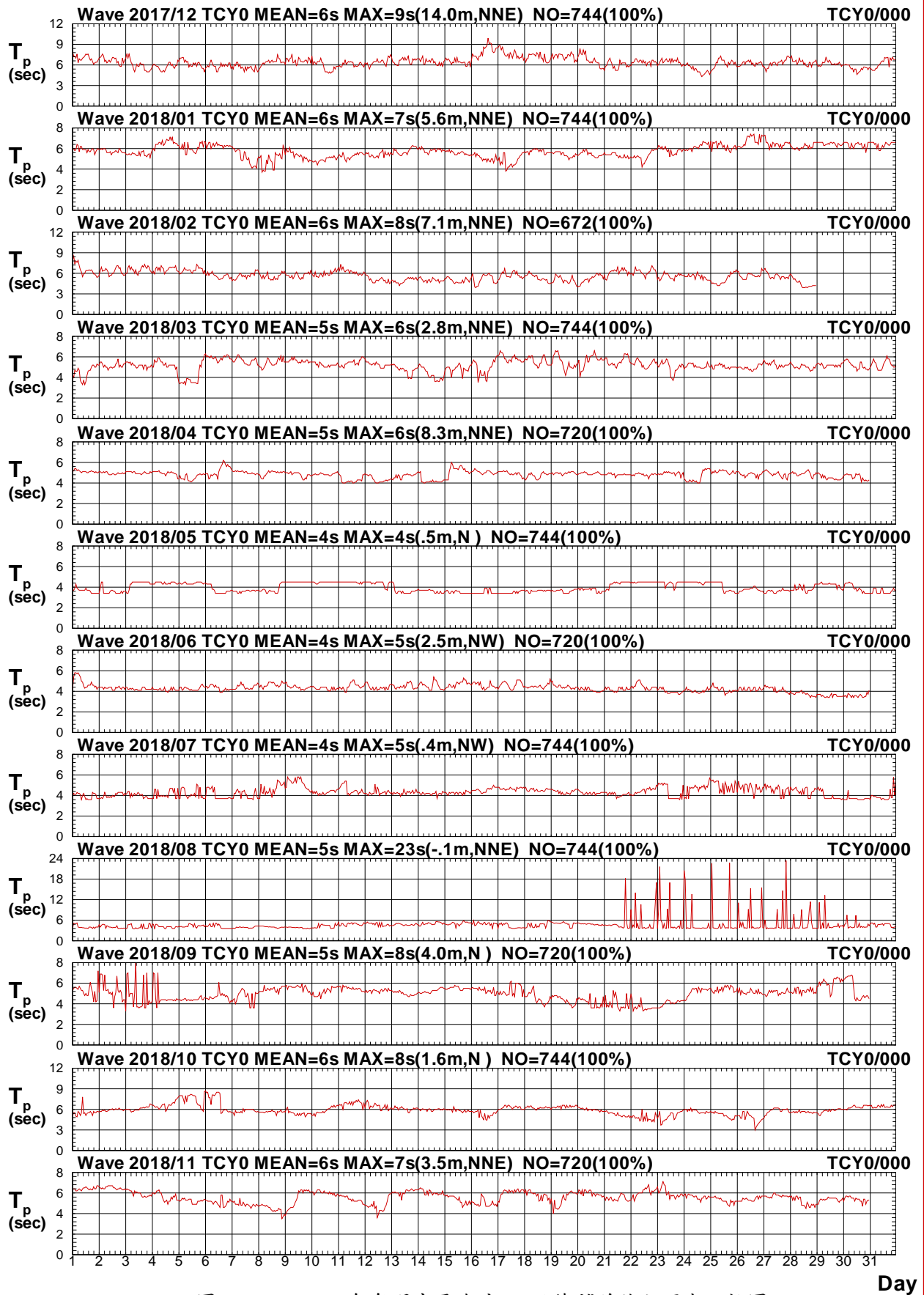


圖2.1.2b 2018年每月中雲海域 Y 站修補前後之週期比較圖

V17CTCY0.1HA V17CTCY0.1HO V181TCY0.1HA V181TCY0.1HO V182TCY0.1HA V182TCY0.1HO
 V183TCY0.1HA V183TCY0.1HO V184TCY0.1HA V184TCY0.1HO V185TCY0.1HA V185TCY0.1HO

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Wave Direction in Chung-Yun Seas of TCY0 at 2018

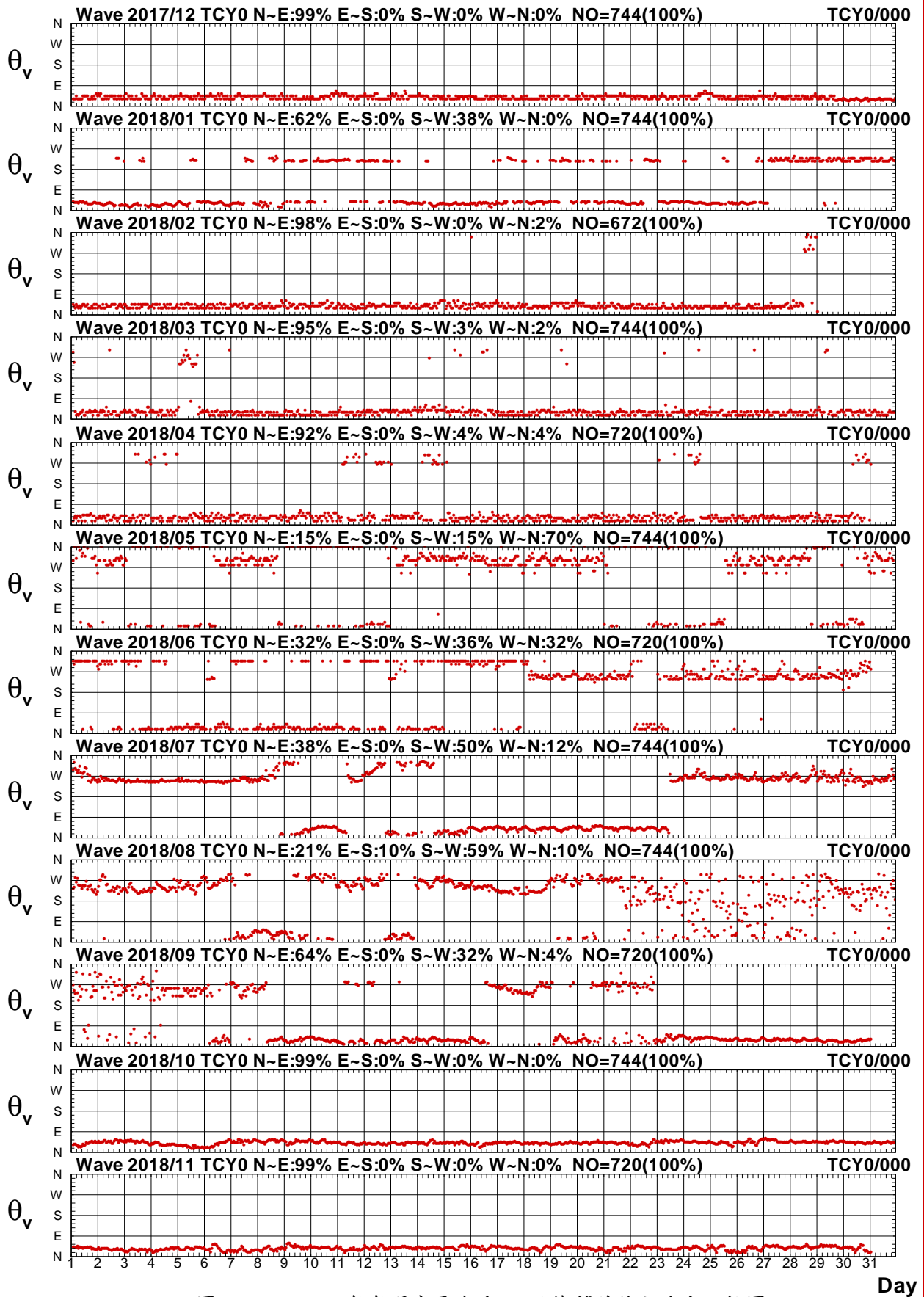


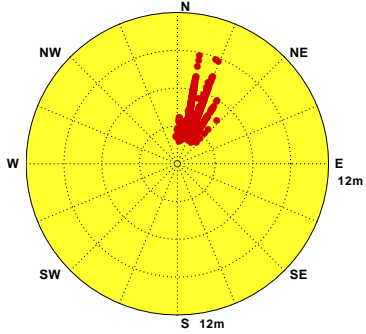
圖2.1.2c 2018年每月中雲海域 Y 站修補前後之波向比較圖

V17CTCY0.1HA V17CTCY0.1HO V181TCY0.1HA V181TCY0.1HO V182TCY0.1HA V182TCY0.1HO
 V183TCY0.1HA V183TCY0.1HO V184TCY0.1HA V184TCY0.1HO V185TCY0.1HA V185TCY0.1HO

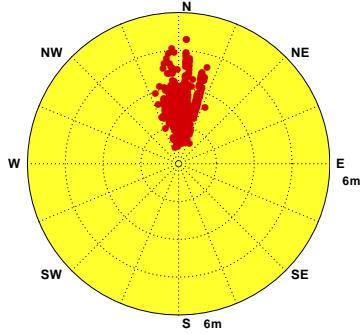
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Distribution of H_s Vectors

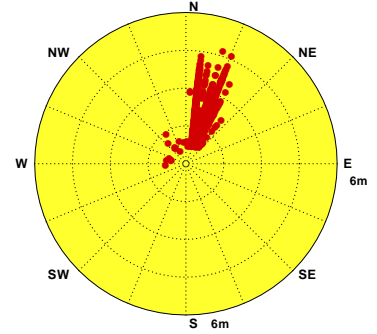
Wave of TCX0 at 2017/12 NO=744(100%)
 Hs : MEAN=3.6m MAX=8.3m(NNE,11s)
 N-E:95% E-S:0% S-W:0% W-N:5%



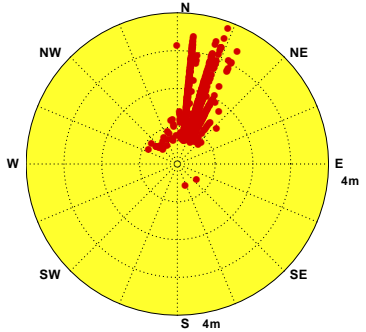
Wave of TCX0 at 2018/01 NO=744(100%)
 Hs : MEAN=2.1m MAX=4.7m(N, 9s)
 N-E:38% E-S:0% S-W:0% W-N:62%



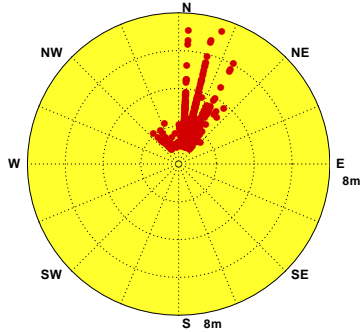
Wave of TCX0 at 2018/02 NO=672(100%)
 Hs : MEAN=2.0m MAX=4.4m(NNE,10s)
 N-E:97% E-S:0% S-W:1% W-N:2%



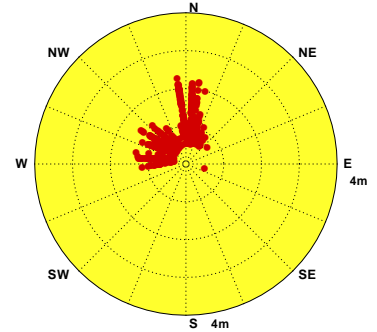
Wave of TCX0 at 2018/03 NO=744(100%)
 Hs : MEAN=1.4m MAX=3.7m(NNE,9s)
 N-E:95% E-S:0% S-W:0% W-N:5%



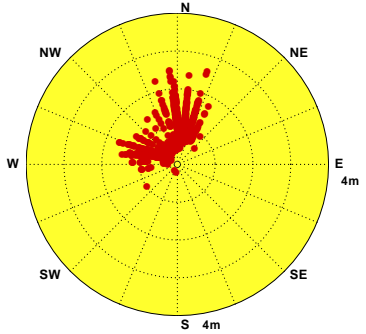
Wave of TCX0 at 2018/04 NO=720(100%)
 Hs : MEAN=1.6m MAX=7.0m(NNE,11s)
 N-E:91% E-S:0% S-W:0% W-N:9%



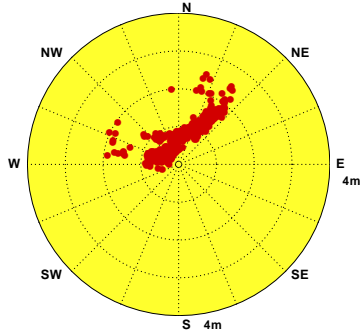
Wave of TCX0 at 2018/05 NO=744(100%)
 Hs : MEAN=.8m MAX=2.1m(N, 7s)
 N-E:31% E-S:0% S-W:4% W-N:65%



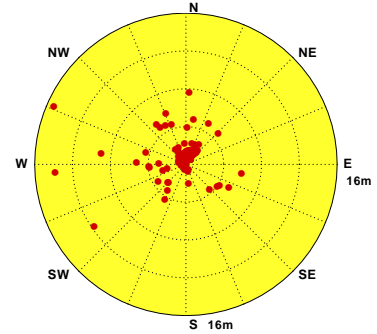
Wave of TCX0 at 2018/06 NO=720(100%)
 Hs : MEAN=.9m MAX=2.4m(NNE,8s)
 N-E:32% E-S:0% S-W:5% W-N:63%



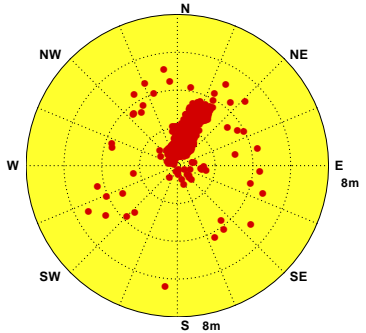
Wave of TCX0 at 2018/07 NO=744(100%)
 Hs : MEAN=.8m MAX=2.3m(NNE,8s)
 N-E:38% E-S:0% S-W:4% W-N:58%



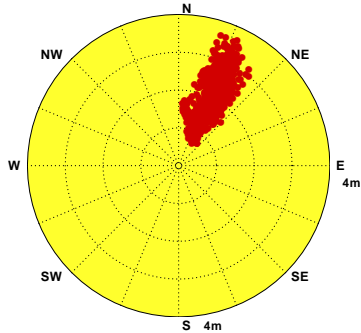
Wave of TCX0 at 2018/08 NO=744(100%)
 Hs : MEAN=.7m MAX=15.5m(WNW,6s)
 N-E:21% E-S:6% S-W:12% W-N:61%



Wave of TCX0 at 2018/09 NO=720(100%)
 Hs : MEAN=1.6m MAX=6.7m(S, 5s)
 N-E:64% E-S:3% S-W:3% W-N:30%



Wave of TCX0 at 2018/10 NO=744(100%)
 Hs : MEAN=1.9m MAX=3.5m(NNE,8s)
 N-E:99% E-S:0% S-W:0% W-N:0%



Wave of TCX0 at 2018/11 NO=720(100%)
 Hs : MEAN=1.7m MAX=3.7m(NNE,9s)
 N-E:98% E-S:0% S-W:0% W-N:2%

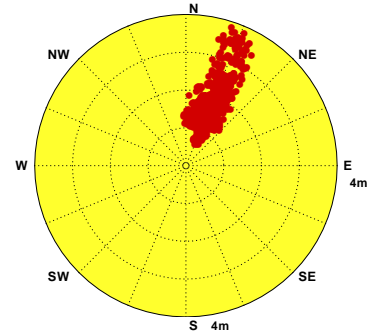


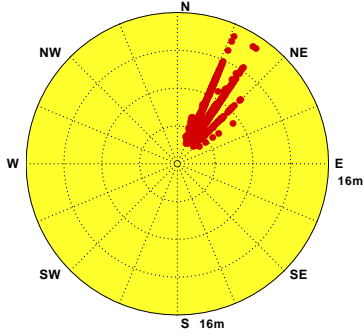
圖2.1.3 2018年中雲海域每月 X 站修補後觀測波高向量分佈圖

V17CTCX0.1HA V181TCX0.1HA V182TCX0.1HA V183TCX0.1HA V184TCX0.1HA V185TCX0.1HA
 V186TCX0.1HA V187TCX0.1HA V188TCX0.1HA V189TCX0.1HA V18ATCX0.1HA V18BTCX0.1HA

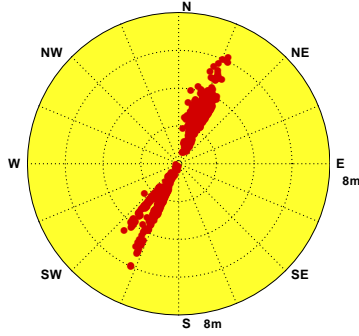
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Distribution of H_s Vectors

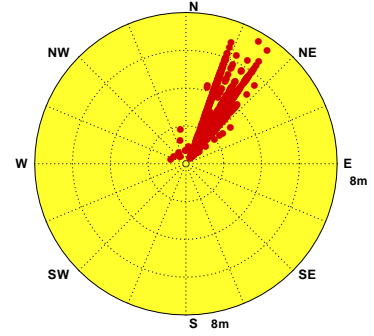
Wave of TCY0 at 2017/12 NO=744(100%)
Hs : MEAN=5.7m MAX=14.1m(NNE,9s)
N-E:99% E-S:0% S-W:0% W-N:0%



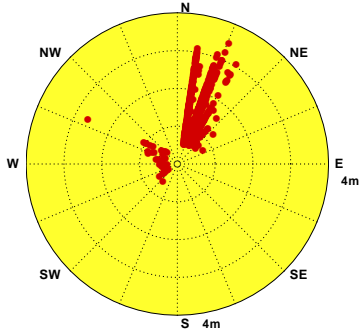
Wave of TCY0 at 2018/01 NO=744(100%)
Hs : MEAN=2.6m MAX=6.3m(SSW,7s)
N-E:62% E-S:0% S-W:38% W-N:0%



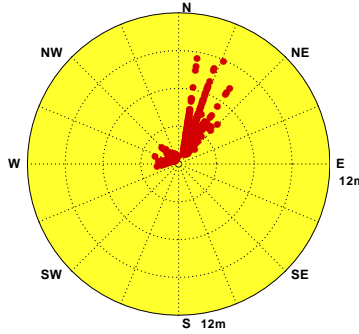
Wave of TCY0 at 2018/02 NO=672(100%)
Hs : MEAN=2.8m MAX=7.1m(NNE,9s)
N-E:98% E-S:0% S-W:0% W-N:2%



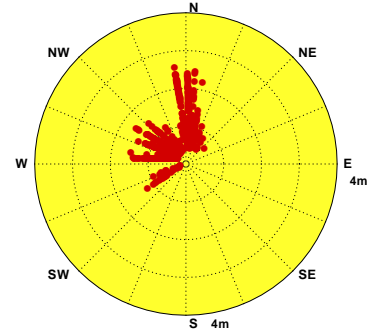
Wave of TCY0 at 2018/03 NO=744(100%)
Hs : MEAN=1.2m MAX=3.3m(NNE,6s)
N-E:95% E-S:0% S-W:3% W-N:2%



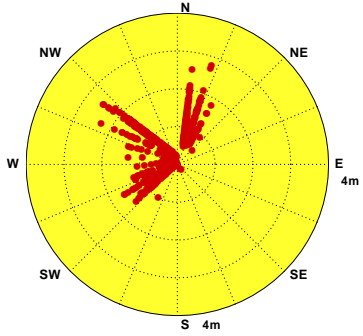
Wave of TCY0 at 2018/04 NO=720(100%)
Hs : MEAN=1.6m MAX=8.3m(NNE,6s)
N-E:92% E-S:0% S-W:4% W-N:4%



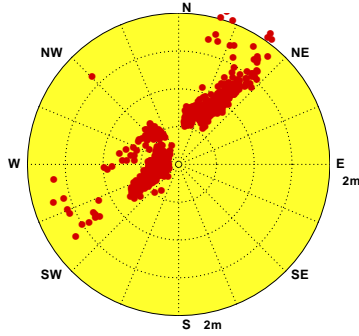
Wave of TCY0 at 2018/05 NO=744(100%)
Hs : MEAN=.8m MAX=2.4m(N, 5s)
N-E:15% E-S:0% S-W:15% W-N:70%



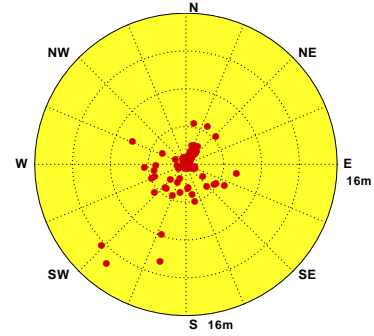
Wave of TCY0 at 2018/06 NO=720(100%)
Hs : MEAN=.8m MAX=2.6m(NNE,5s)
N-E:32% E-S:0% S-W:36% W-N:32%



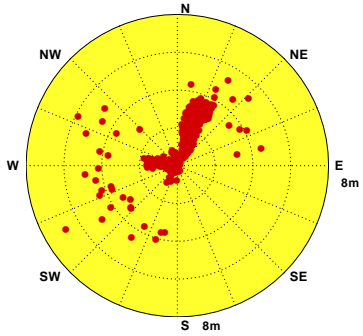
Wave of TCY0 at 2018/07 NO=744(100%)
Hs : MEAN=.6m MAX=2.0m(NNE,5s)
N-E:38% E-S:0% S-W:50% W-N:12%



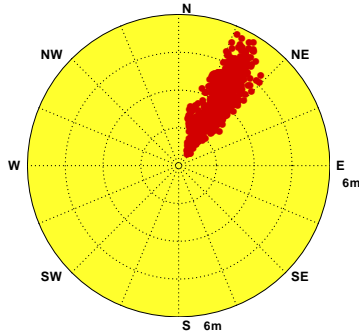
Wave of TCY0 at 2018/08 NO=744(100%)
Hs : MEAN=.6m MAX=14.1m(SW,4s)
N-E:21% E-S:10% S-W:59% W-N:10%



Wave of TCY0 at 2018/09 NO=720(100%)
Hs : MEAN=1.6m MAX=7.1m(WSW,4s)
N-E:64% E-S:0% S-W:32% W-N:4%



Wave of TCY0 at 2018/10 NO=744(100%)
Hs : MEAN=2.7m MAX=5.5m(NNE,7s)
N-E:99% E-S:0% S-W:0% W-N:0%



Wave of TCY0 at 2018/11 NO=720(100%)
Hs : MEAN=2.3m MAX=5.7m(NNE,7s)
N-E:99% E-S:0% S-W:0% W-N:0%

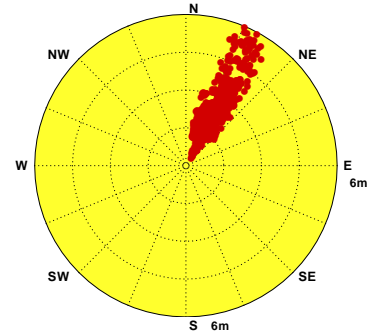


圖2.1.4 2018年中雲海域每月 Y 站修補後觀測波高向量分佈圖

V17CTCY0.1HA V181TCY0.1HA V182TCY0.1HA V183TCY0.1HA V184TCY0.1HA V185TCY0.1HA
V186TCY0.1HA V187TCY0.1HA V188TCY0.1HA V189TCY0.1HA V18ATCY0.1HA V18BTCY0.1HA

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2.2 2018年中雲海域各測站修補前 波浪統計量統計表

表2.2.1 2018年中雲海域 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	H_s	H_s 最大	T_p	T_p	小波	小浪	中浪	大浪	T_p	T_p	T_p	T_p	波向	波向	波向	波向	波向	主波向
年、月	蒐集率	平均 (m)	(波高/週期/波向) (m/s/來向)	平均 (s)	最大 (s)	<0.5m (%)	~1.5m (%)	~3m (%)	>3m (%)	<6s (%)	6~8s (%)	8~10s (%)	>10s (%)	蒐集率	N~E (%)	E~S (%)	S~W (%)	W~N (%)	(百分比) 來向/%
2017/12	8%	2.23	3.2/ 8.2/N	7.5	8.9	.0	5.2	89.7	5.2	.0	75.9	24.1	.0	8%	43.1	.0	.0	56.9	N /97%
2018/01	81%	1.99	4.4/10.0/N	7.1	10.0	.2	16.5	80.5	2.8	11.4	70.5	17.7	.5	81%	23.9	.0	.0	76.1	N /81%
2018/02	0																		
2018/03	0																		
2018/04	0																		
2018/05	0																		
2018/06	9%	.39	.6/ 4.5/W	3.7	5.1	86.9	13.1	.0	.0	100.0	.0	.0	.0	9%	.0	.0	21.3	78.7	WNW/38%
2018/07	100%	.76	2.3/ 7.8/NNE	6.2	11.1	25.5	67.7	6.7	.0	36.8	52.6	10.1	.5	100%	37.8	.0	3.6	58.6	NNE/24%
2018/08	98%	.70	15.5/ 6.1/WNW	6.4	32.7	39.6	55.5	.8	4.1	49.5	23.9	21.4	5.2	98%	20.8	5.9	11.9	61.5	WNW/16%
2018/09	93%	1.67	6.7/ 4.9/S	6.9	15.5	17.6	28.6	45.6	8.2	27.1	45.2	22.7	5.1	93%	67.7	3.1	3.1	26.1	NNE/51%
2018/10	100%	1.91	3.5/ 8.3/NNE	7.1	12.2	.0	25.9	70.3	3.8	15.3	66.6	14.1	4.1	100%	99.7	.0	.0	.3	NNE/85%
2018/11	98%	1.69	3.7/ 8.9/NNE	6.8	9.7	.6	39.7	54.6	5.1	19.8	63.0	17.2	.0	98%	97.7	.0	.0	2.3	NNE/84%
2018/冬	30%	2.01	4.4/10.0/N	7.1	10.0	.2	15.5	81.3	3.0	10.4	70.9	18.3	.5	30%	25.6	.0	.0	74.4	N /82%
2018/春	0																		
2018/夏	70%	.72	15.5/ 6.1/WNW	6.2	32.7	34.7	59.7	3.6	2.0	45.3	36.8	15.1	2.7	70%	28.2	2.8	8.3	60.8	WNW/21%
2018/秋	97%	1.76	6.7/ 4.9/S	7.0	15.5	5.8	31.4	57.2	5.6	20.5	58.6	17.8	3.0	97%	88.9	1.0	1.0	9.1	NNE/74%
2018/年	49%	1.43	15.5/ 6.1/WNW	6.7	32.7	15.2	39.1	41.8	3.9	27.8	52.7	16.9	2.5	49%	57.6	1.5	3.4	37.5	NNE/42%

2-2-1

表2.2.2 2018年中雲海域 U 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	26%	3.46	7.1/ 8.5/NNE	6.3	8.5	.0	3.6	31.8	64.6	29.2	69.7	1.0	.0	26%	100.0	.0	.0	.0	NNE/72%
2018/01	0																		
2018/02	0																		
2018/03	0																		
2018/04	0																		
2018/05	0																		
2018/06	0																		
2018/07	0																		
2018/08	0																		
2018/09	0																		
2018/10	0																		
2018/11	0																		
2018/冬	9%	3.46	7.1/ 8.5/NNE	6.3	8.5	.0	3.6	31.8	64.6	29.2	69.7	1.0	.0	9%	100.0	.0	.0	.0	NNE/72%
2018/春	0																		
2018/夏	0																		
2018/秋	0																		
2018/年	2%	3.46	7.1/ 8.5/NNE	6.3	8.5	.0	3.6	31.8	64.6	29.2	69.7	1.0	.0	2%	100.0	.0	.0	.0	NNE/72%

2-2-2

2.3 2018 年中雲海域**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 Tai-Chung Harbor of TCX0 at 2018

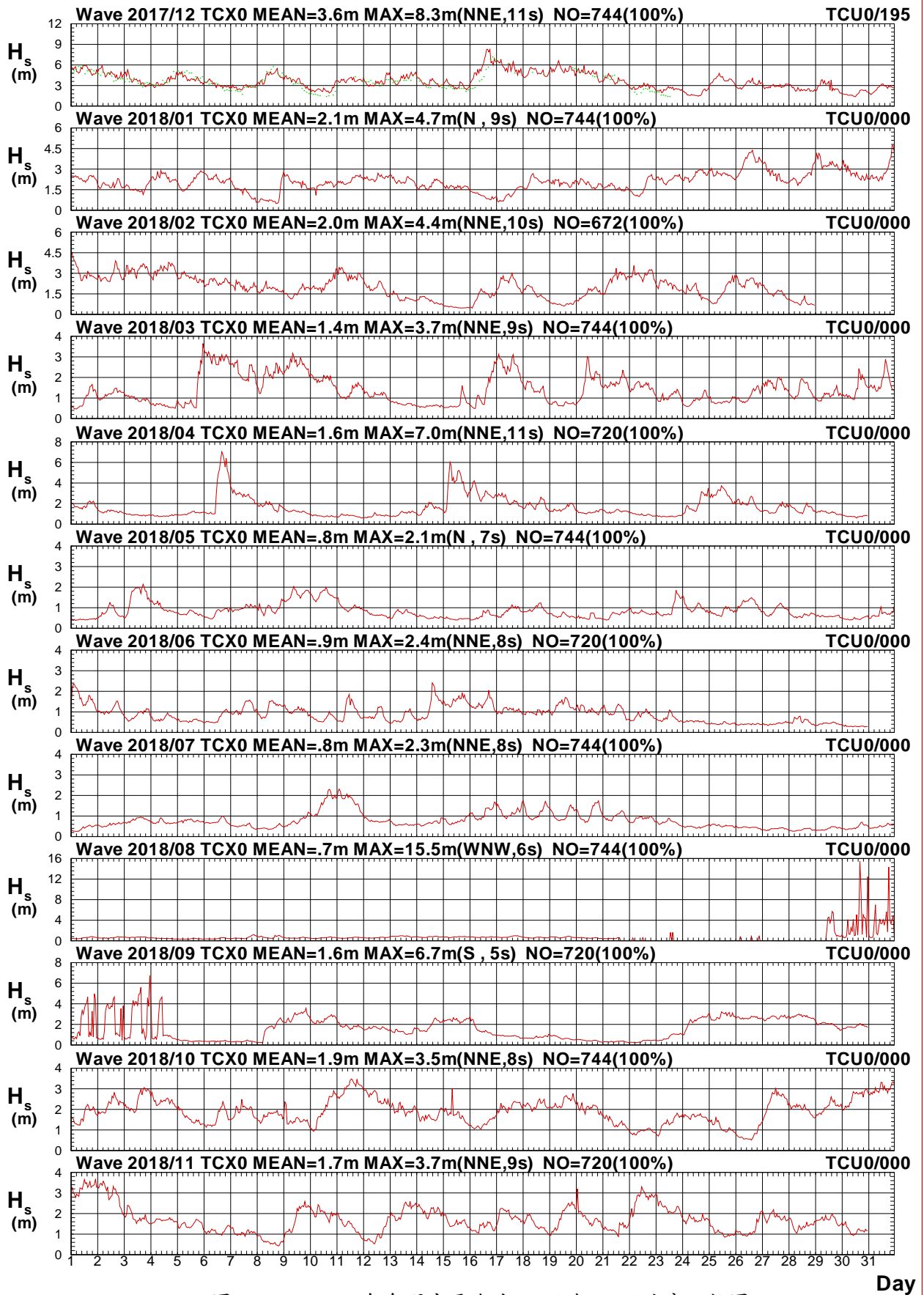


圖2.3.1a 2018年每月中雲海域 X 站與 U 站波高比較圖

V17CTCX0.1HA V17CTCU0.1H0 V181TCX0.1HA V181TCU0.1H0 V182TCX0.1HA V182TCU0.1H0
 V183TCX0.1HA V183TCU0.1H0 V184TCX0.1HA V184TCU0.1H0 V185TCX0.1HA V185TCU0.1H0

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Wave T_p in Tai-Chung Harbor of TCX0 at 2018

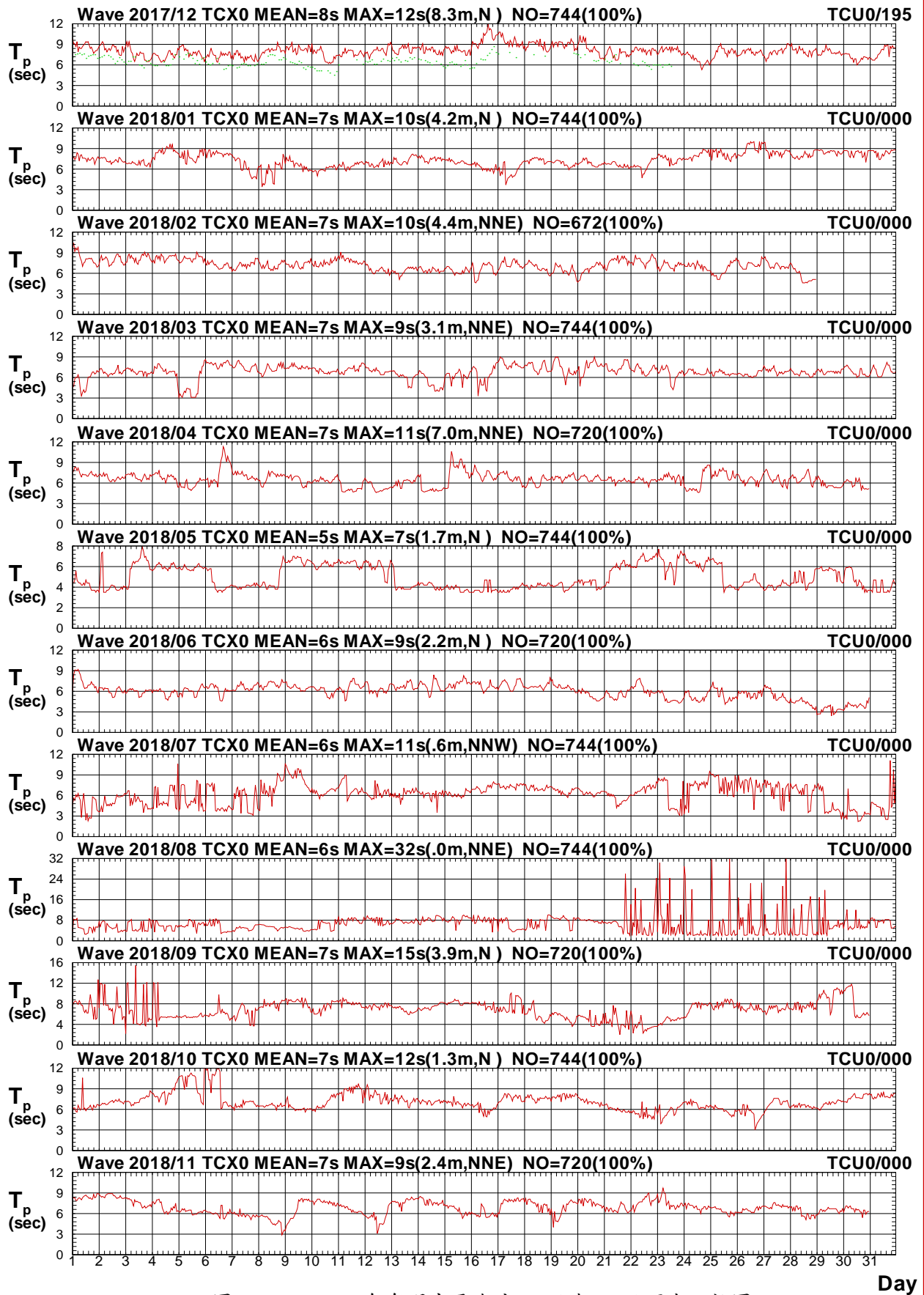


圖2.3.1b 2018年每月中雲海域 X 站與 U 站週期比較圖

V17CTCX0.1HA V17CTCU0.1H0 V181TCX0.1HA V181TCU0.1H0 V182TCX0.1HA V182TCU0.1H0
 V183TCX0.1HA V183TCU0.1H0 V184TCX0.1HA V184TCU0.1H0 V185TCX0.1HA V185TCU0.1H0

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Wave Direction in Tai-Chung Harbor of TCX0 at 2018

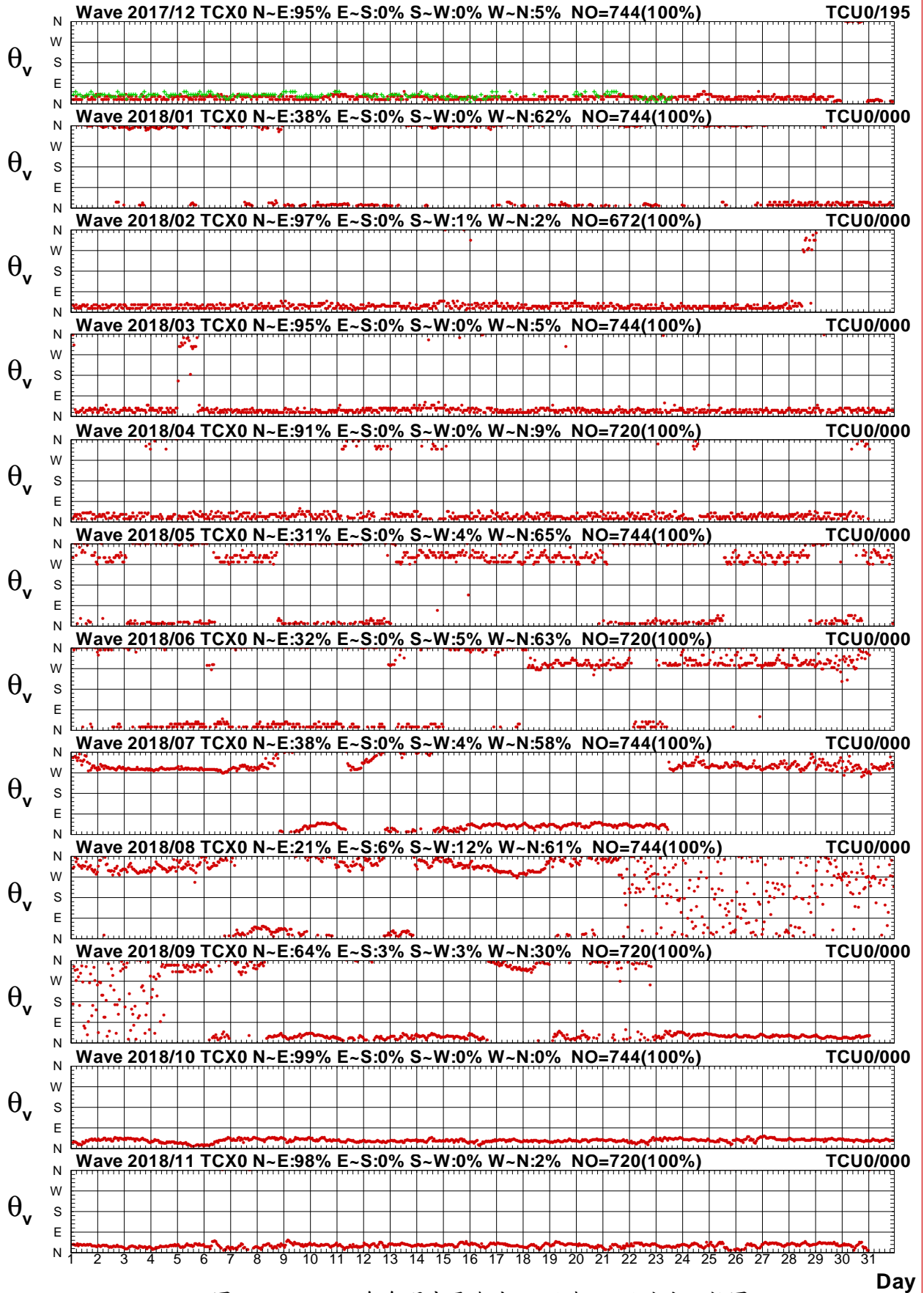


圖2.3.1c 2018年每月中雲海域 X 站與 U 站波向比較圖

V17CTCX0.1HA V17CTCU0.1H0 V181TCX0.1HA V181TCU0.1H0 V182TCX0.1HA V182TCU0.1H0
 V183TCX0.1HA V183TCU0.1H0 V184TCX0.1HA V184TCU0.1H0 V185TCX0.1HA V185TCU0.1H0

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Wave H_s in Tai-Chung Harbor of TCX0 at 2018

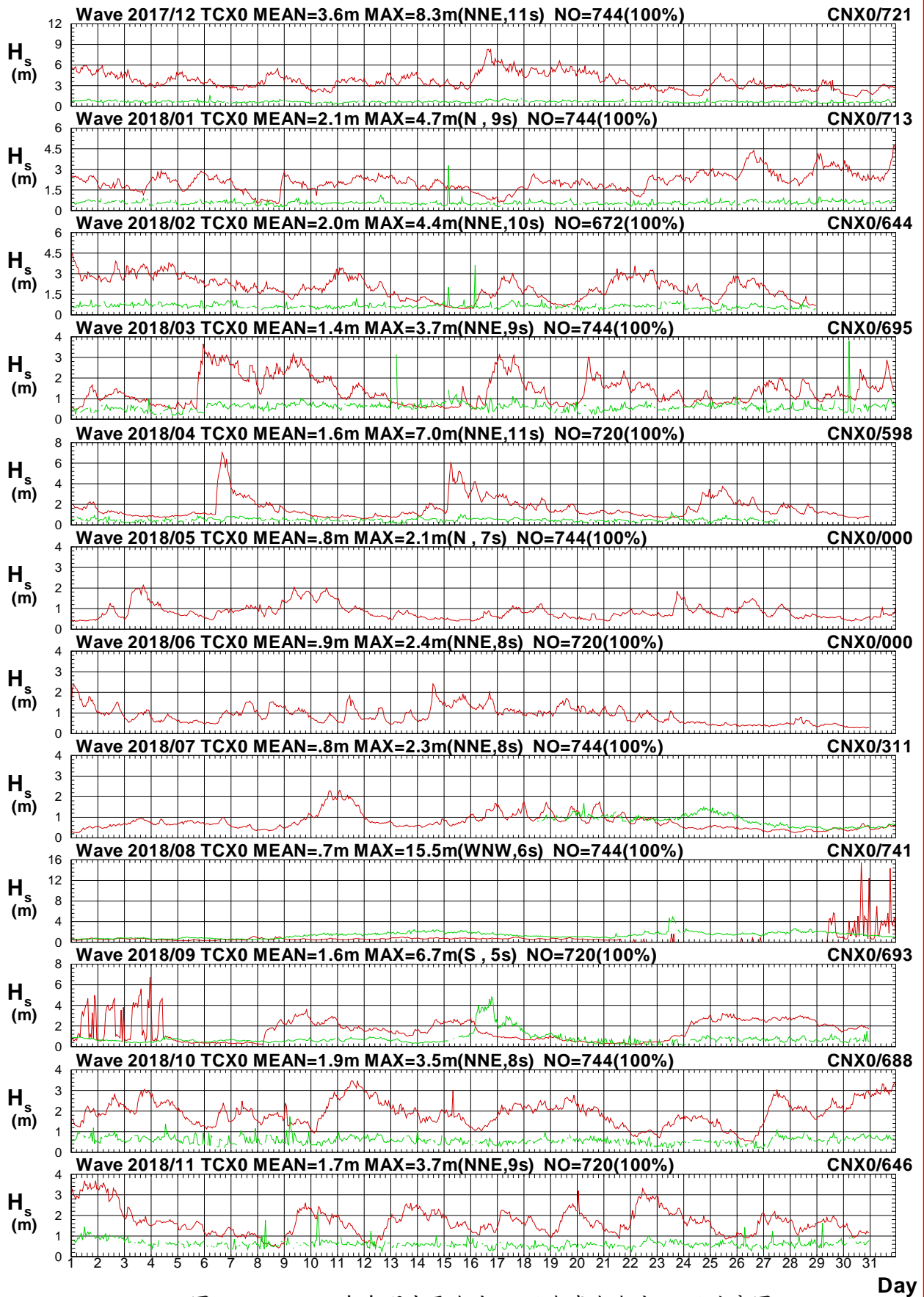


圖2.3.2a 2018年每月中雲海域 X 站與嘉南海域 X 站波高圖

V17CTCX0.1HA V17CCNX0.1HO V181TCX0.1HA V181CNX0.1HO V182TCX0.1HA V182CNX0.1HO
 V183TCX0.1HA V183CNX0.1HO V184TCX0.1HA V184CNX0.1HO V185TCX0.1HA V185CNX0.1HO

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Wave T_p in Tai-Chung Harbor of TCX0 at 2018

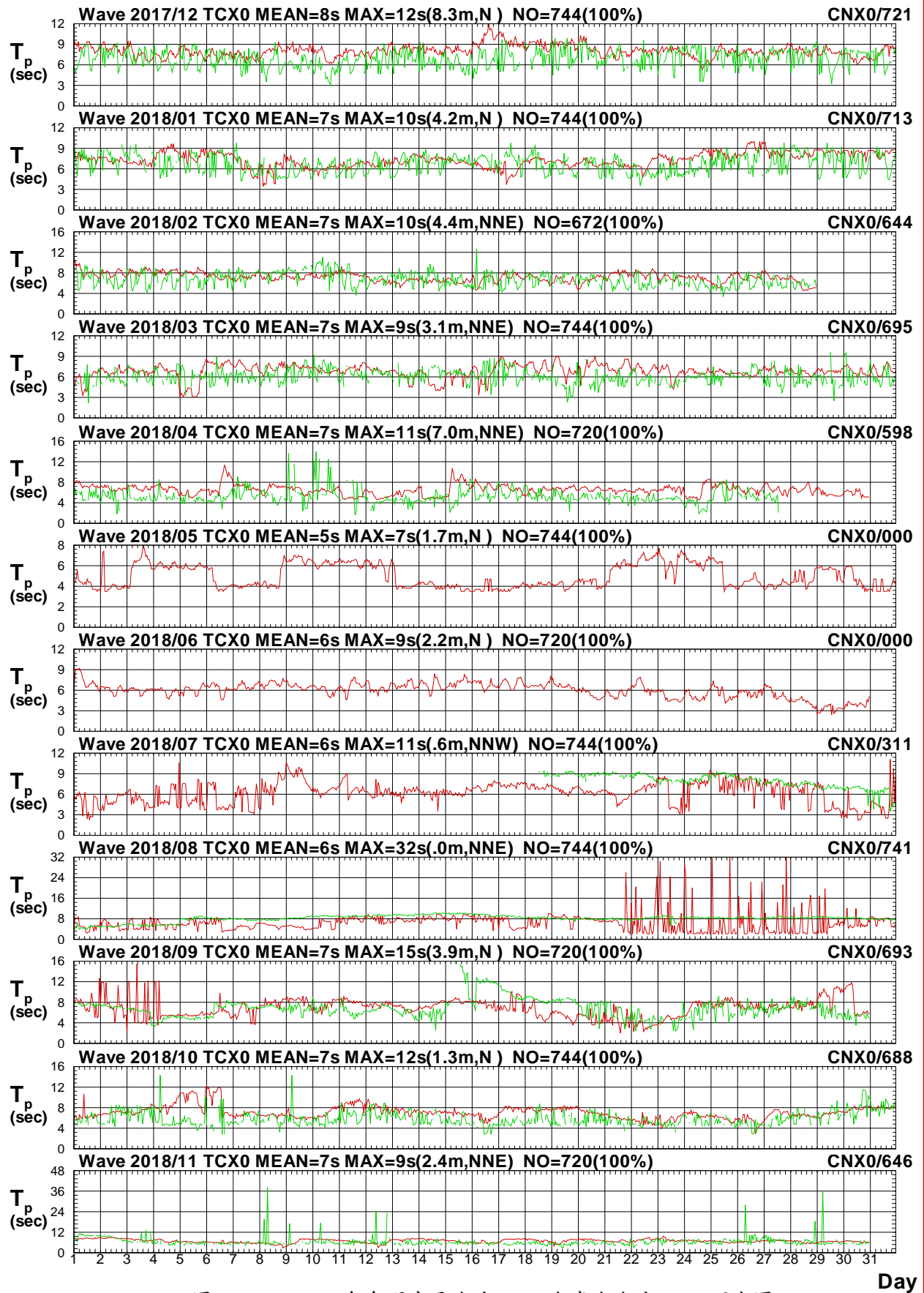


圖2.3.2b 2018年每月中雲海域 X 站與嘉南海域 X 站週期圖

V17CTCX0.1HA V17CCNX0.1H0 V181TCX0.1HA V181CNX0.1H0 V182TCX0.1HA V182CNX0.1H0
 V183TCX0.1HA V183CNX0.1H0 V184TCX0.1HA V184CNX0.1H0 V185TCX0.1HA V185CNX0.1H0

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Wave Direction in Tai-Chung Harbor of TCX0 at 2018

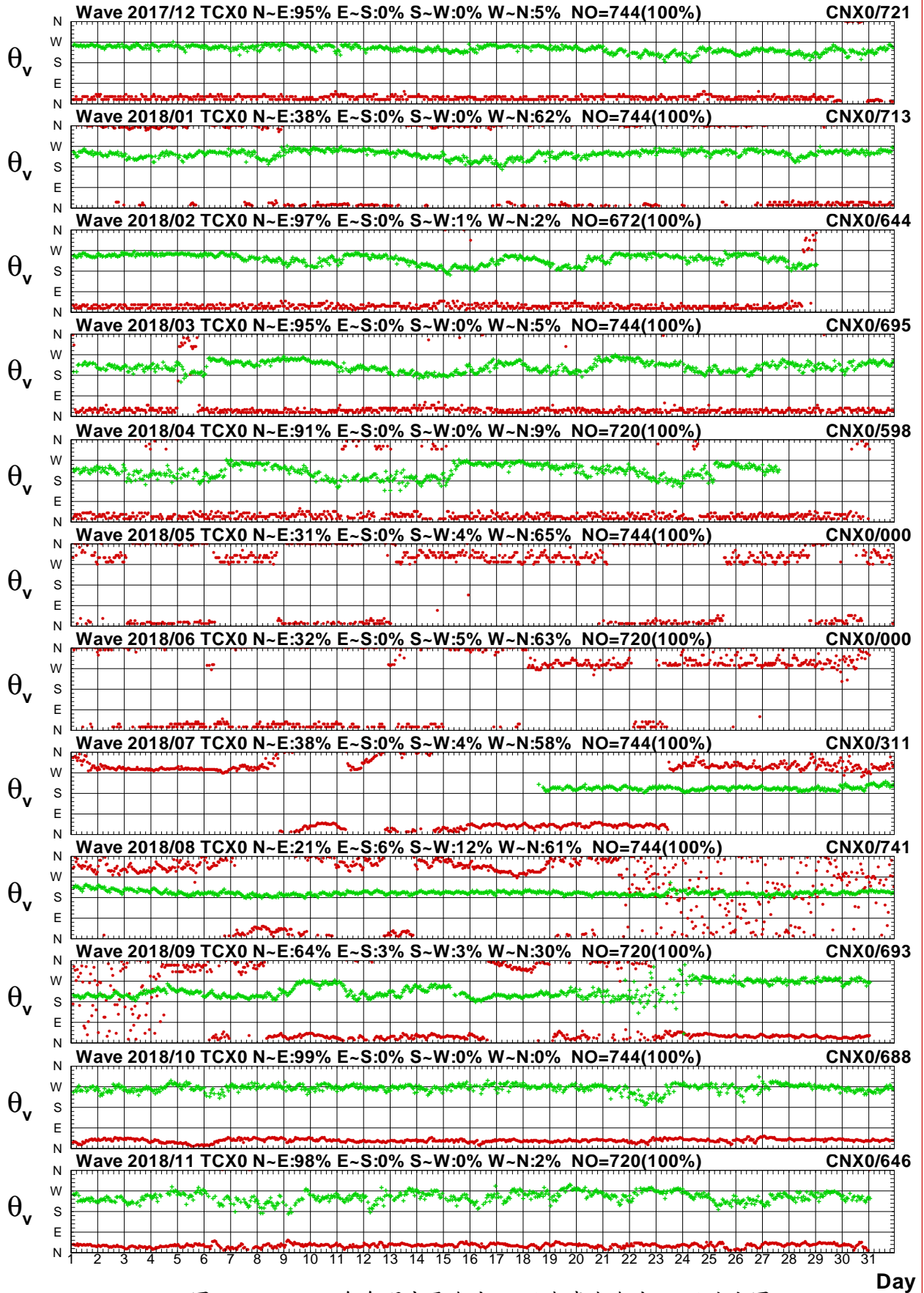


圖2.3.2c 2018年每月中雲海域 X 站與嘉南海域 X 站波向圖

V17CTCX0.1HA V17CCNX0.1H0 V181TCX0.1HA V181CNX0.1H0 V182TCX0.1HA V182CNX0.1H0
 V183TCX0.1HA V183CNX0.1H0 V184TCX0.1HA V184CNX0.1H0 V185TCX0.1HA V185CNX0.1H0

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Wave H_s in Tai-Chung Harbor of TCX0 at 2018

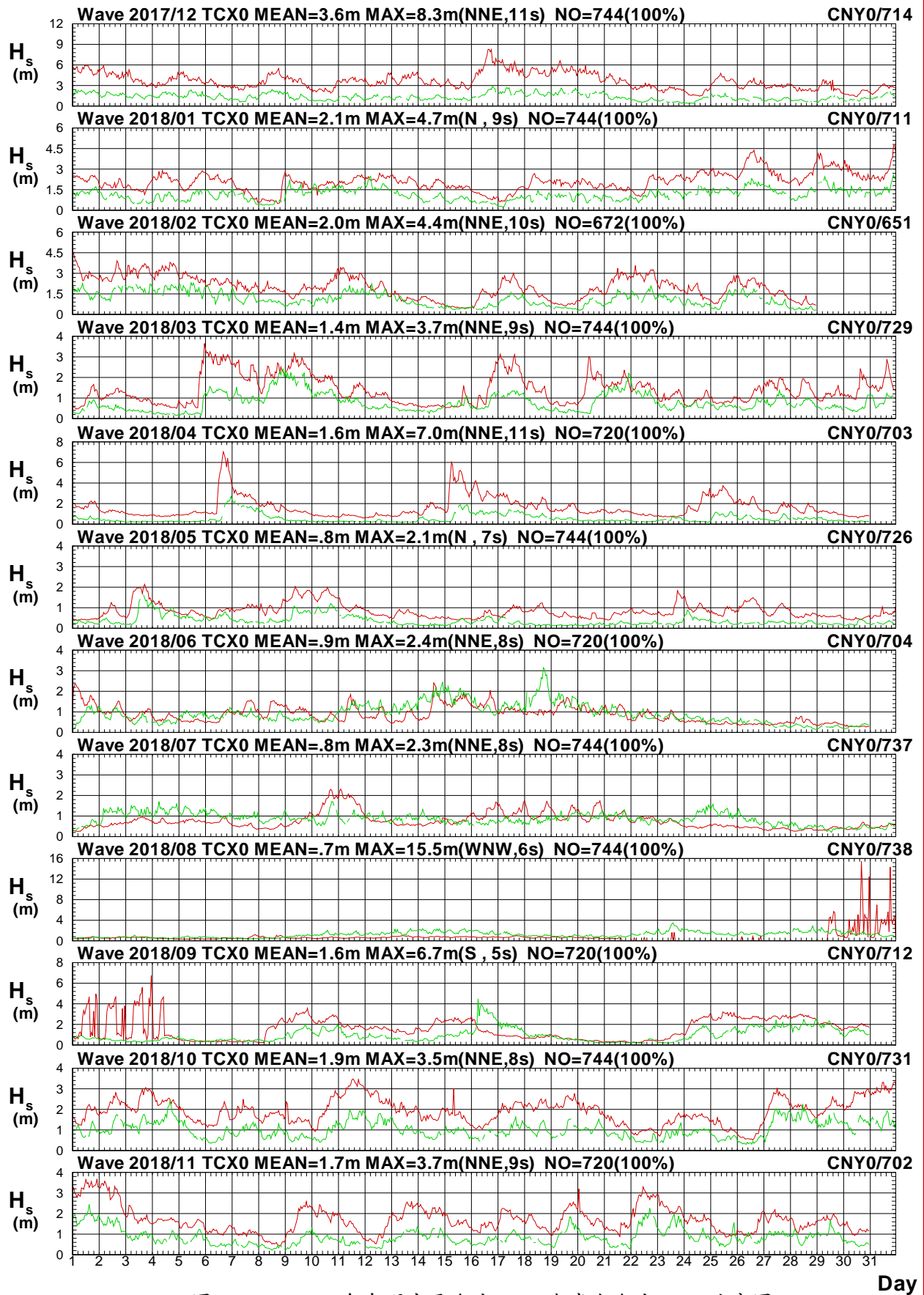


圖2.3.3a 2018年每月中雲海域 X 站與嘉南海域 Y 站波高圖

V17CTCX0.1HA V17CCNY0.1H0 V181TCX0.1HA V181CNY0.1H0 V182TCX0.1HA V182CNY0.1H0
 V183TCX0.1HA V183CNY0.1H0 V184TCX0.1HA V184CNY0.1H0 V185TCX0.1HA V185CNY0.1H0

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Wave T_p in Tai-Chung Harbor of TCX0 at 2018

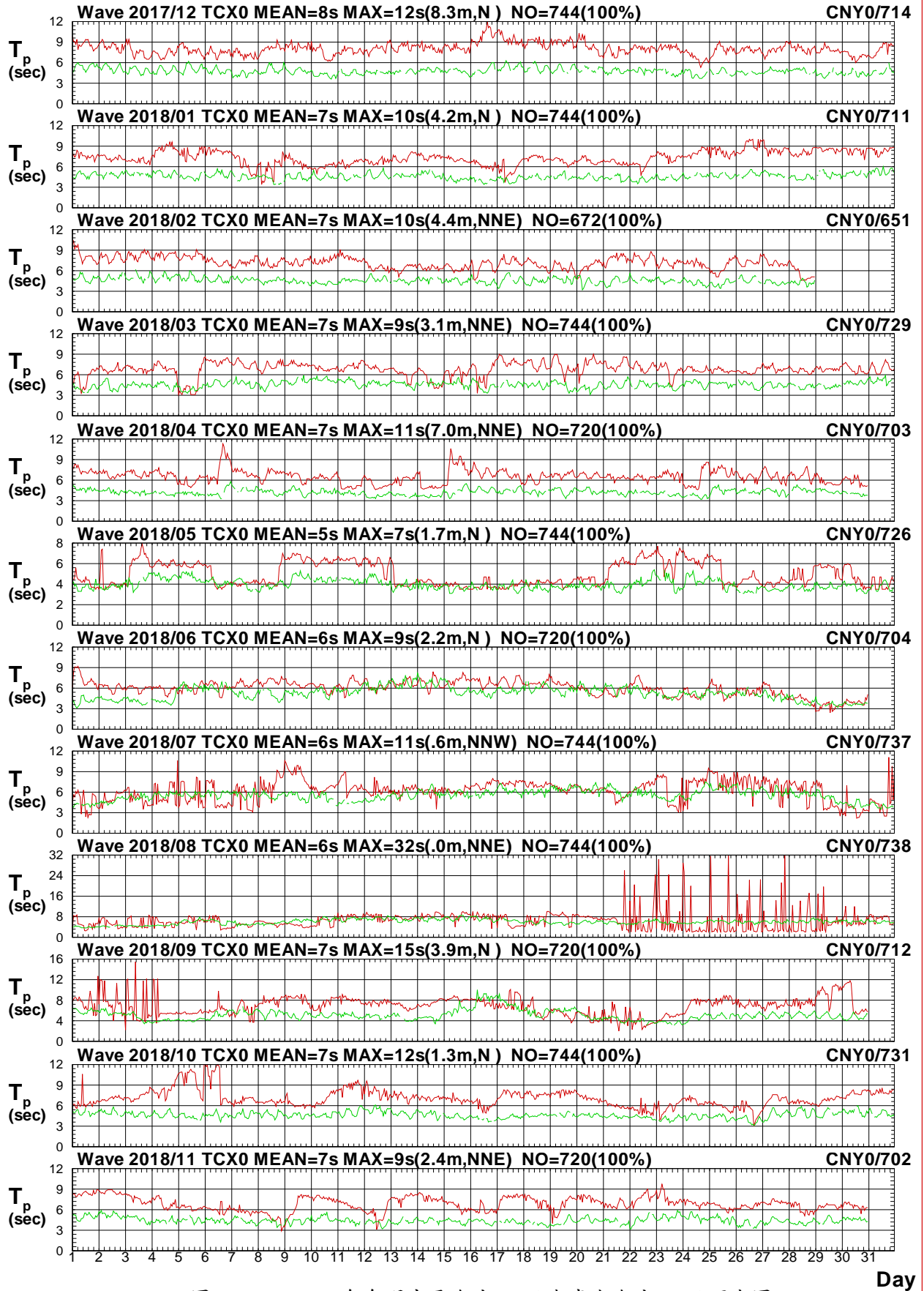


圖2.3.3b 2018年每月中雲海域 X 站與嘉南海域 Y 站週期圖

V17CTCX0.1HA V17CCNY0.1HO V181TCX0.1HA V181CNY0.1HO V182TCX0.1HA V182CNY0.1HO
 V183TCX0.1HA V183CNY0.1HO V184TCX0.1HA V184CNY0.1HO V185TCX0.1HA V185CNY0.1HO

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Wave Direction in Tai-Chung Harbor of TCX0 at 2018

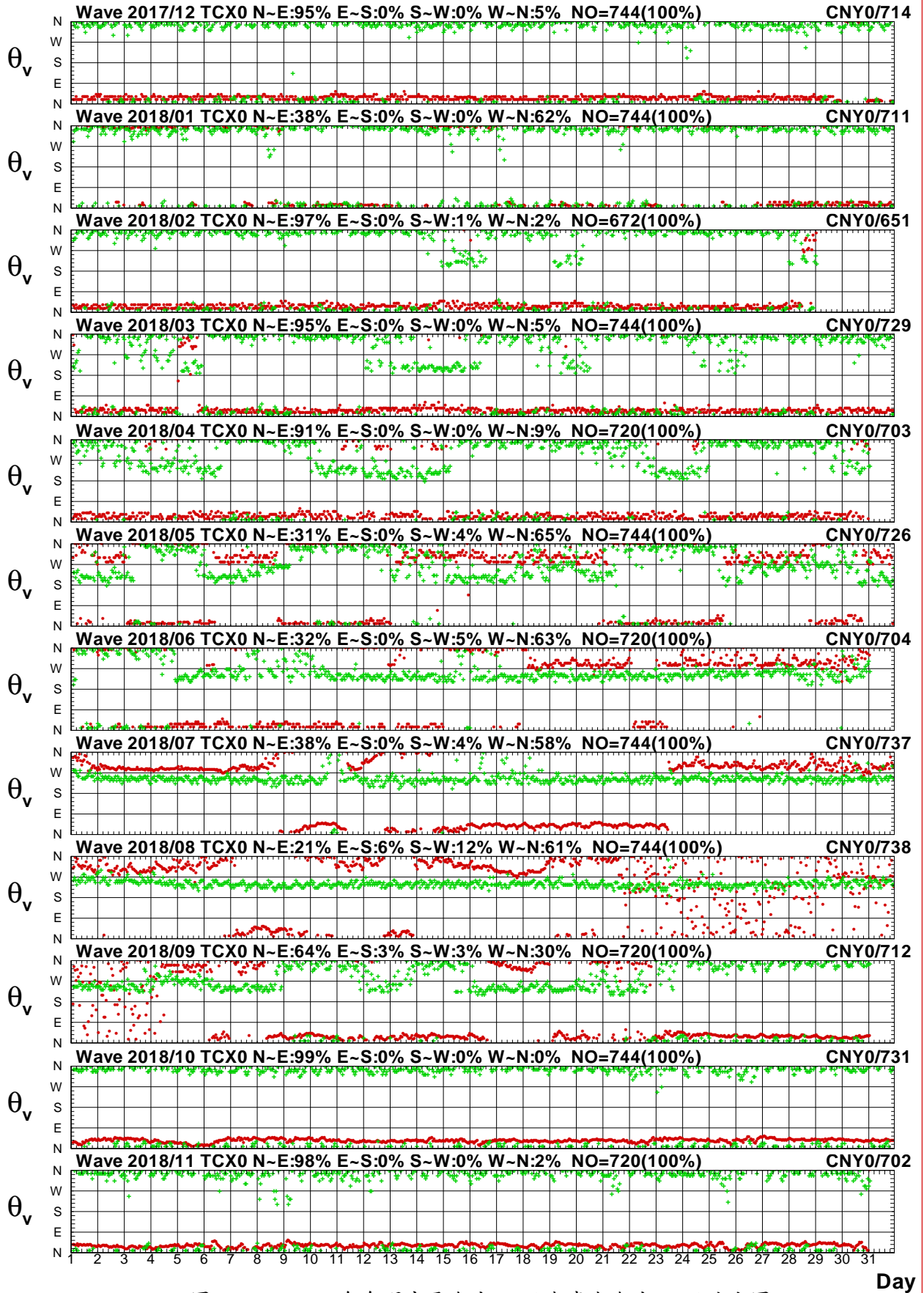


圖2.3.3c 2018年每月中雲海域 X 站與嘉南海域 Y 站波向圖

V17CTCX0.1HA V17CCNY0.1H0 V181TCX0.1HA V181CNY0.1H0 V182TCX0.1HA V182CNY0.1H0
 V183TCX0.1HA V183CNY0.1H0 V184TCX0.1HA V184CNY0.1H0 V185TCX0.1HA V185CNY0.1H0

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Wave H_s in Tai-Chung Harbor of TCX0 at 2018

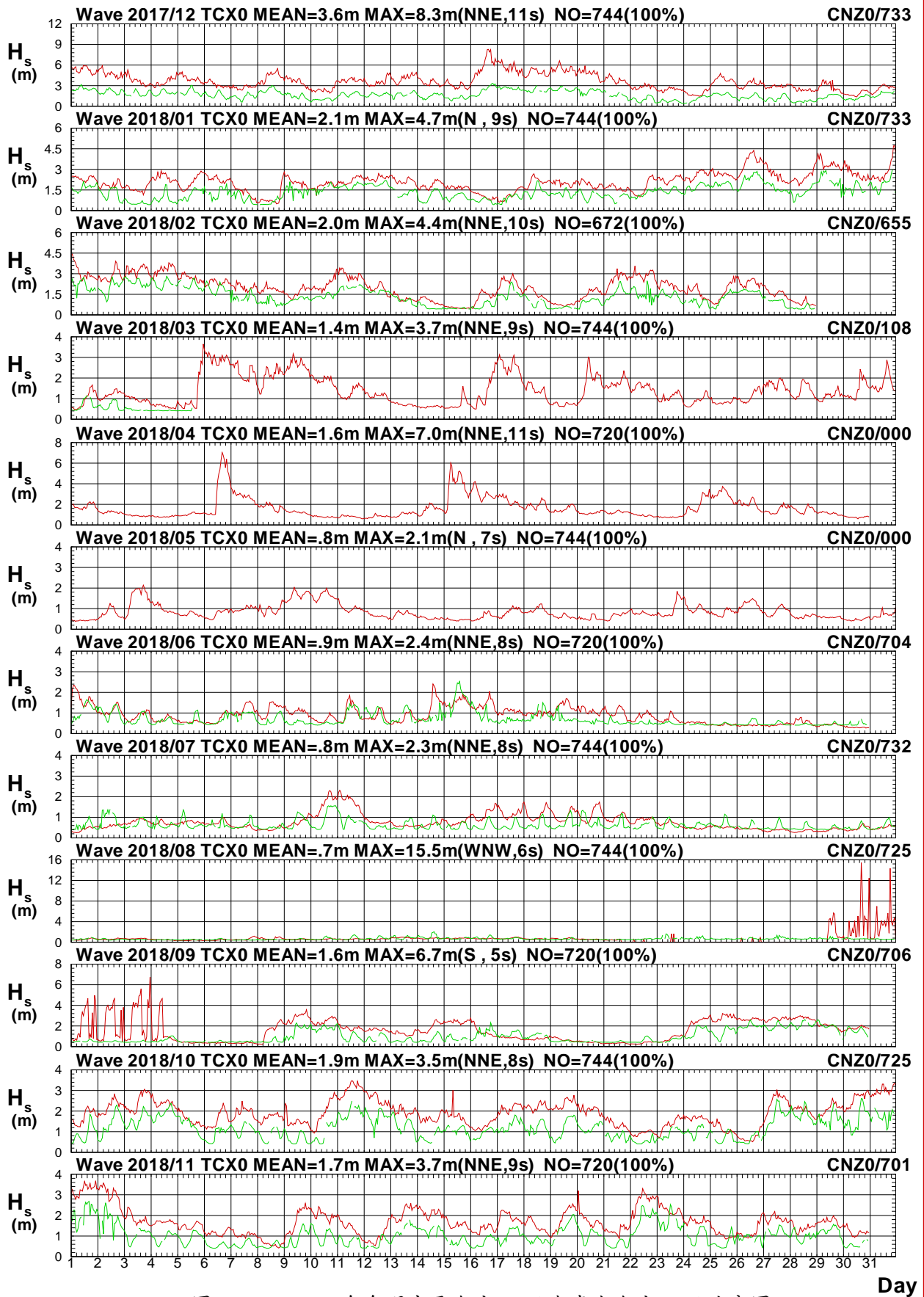


圖2.3.4a 2018年每月中雲海域 X 站與嘉南海域 Z 站波高圖

V17CTCX0.1HA V17CCNZ0.1H0 V181TCX0.1HA V181CNZ0.1H0 V182TCX0.1HA V182CNZ0.1H0
 V183TCX0.1HA V183CNZ0.1H0 V184TCX0.1HA V184CNZ0.1H0 V185TCX0.1HA V185CNZ0.1H0

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Wave T_p in Tai-Chung Harbor of TCX0 at 2018

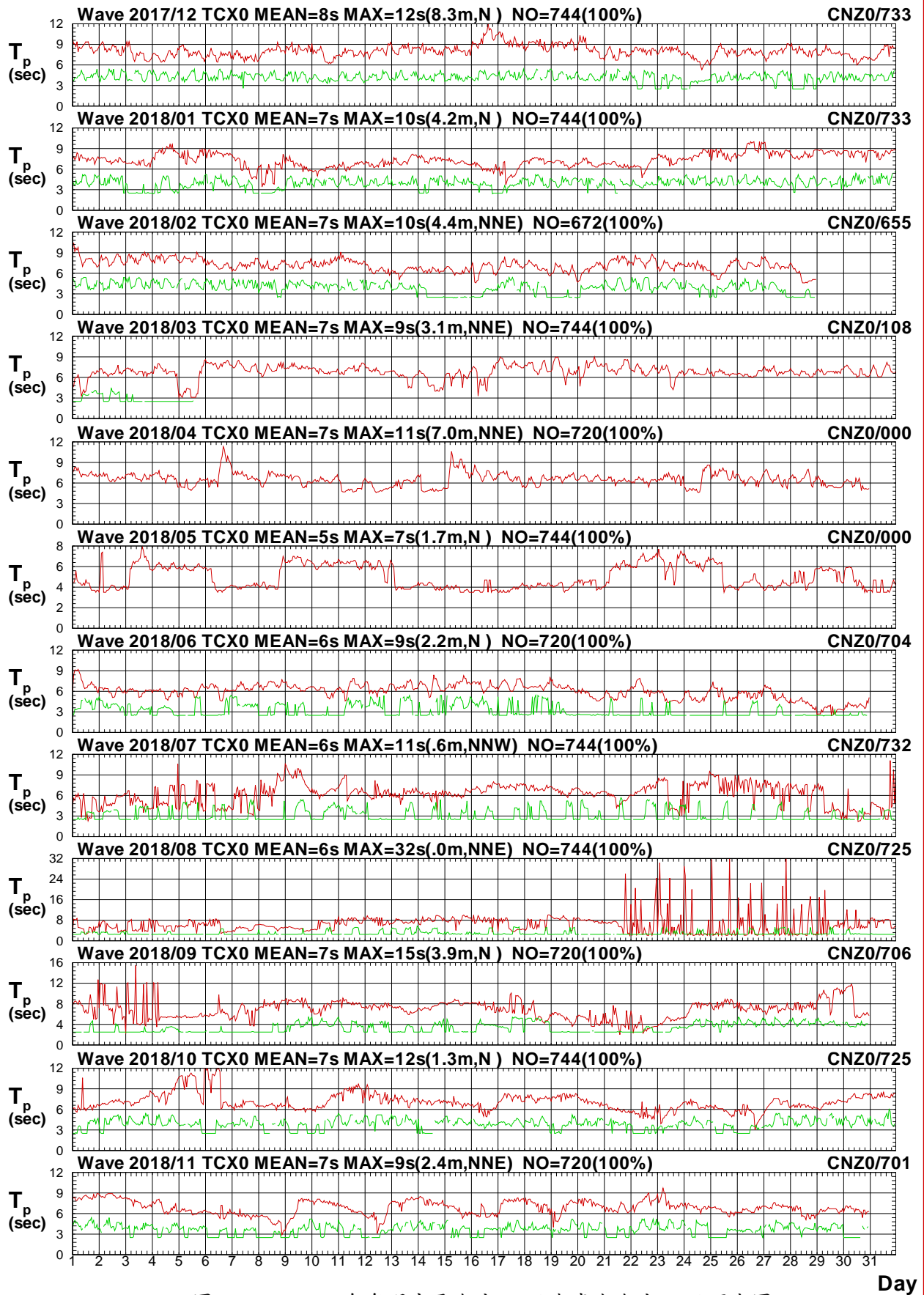


圖2.3.4b 2018年每月中雲海域 X 站與嘉南海域 Z 站週期圖

V17CTCX0.1HA V17CCNZ0.1HO V181TCX0.1HA V181CNZ0.1HO V182TCX0.1HA V182CNZ0.1HO
 V183TCX0.1HA V183CNZ0.1HO V184TCX0.1HA V184CNZ0.1HO V185TCX0.1HA V185CNZ0.1HO

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Wave Direction in Tai-Chung Harbor of TCX0 at 2018

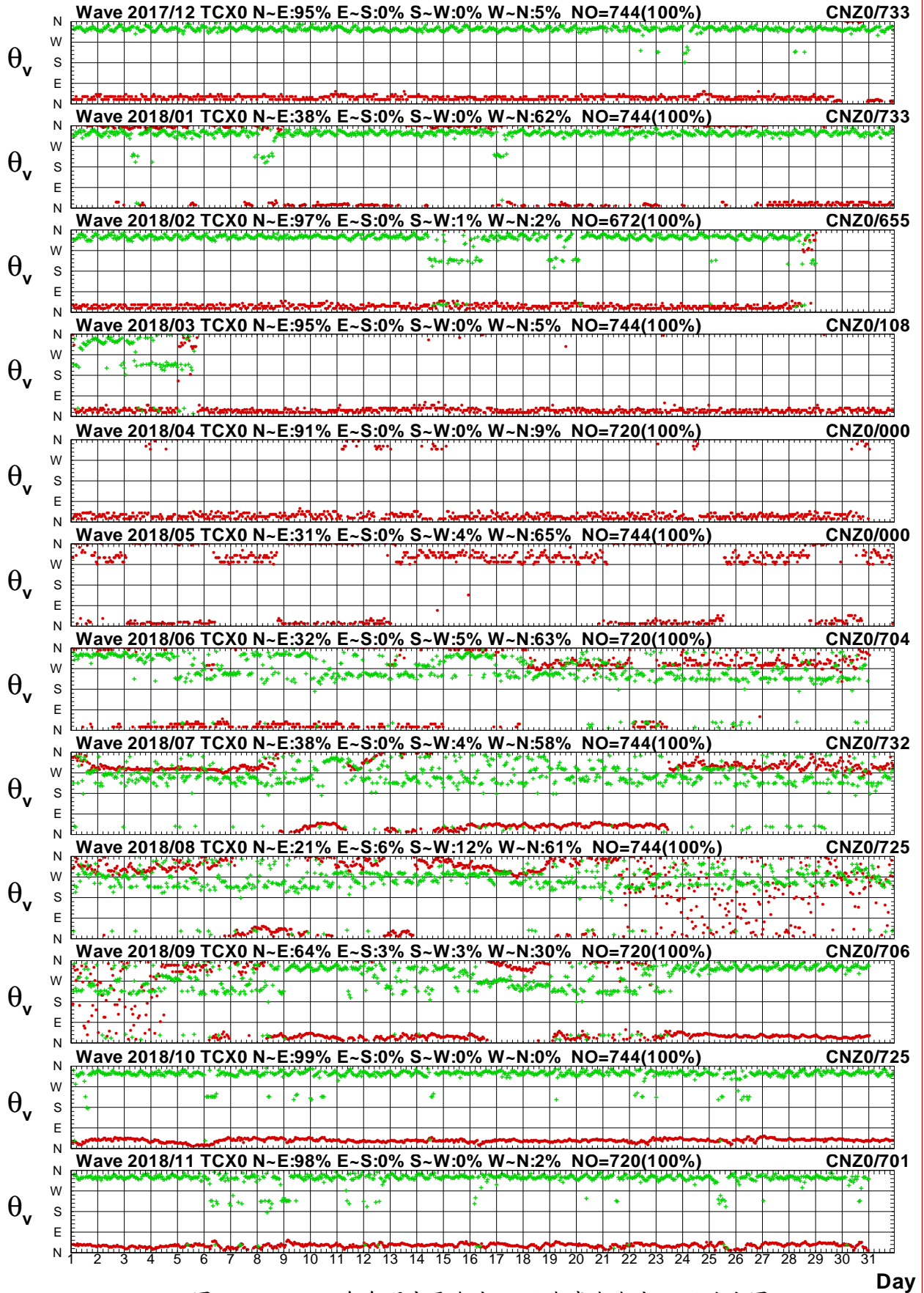


圖2.3.4c 2018年每月中雲海域 X 站與嘉南海域 Z 站波向圖

V17CTCX0.1HA V17CCNZ0.1H0 V181TCX0.1HA V181CNZ0.1H0 V182TCX0.1HA V182CNZ0.1H0
 V183TCX0.1HA V183CNZ0.1H0 V184TCX0.1HA V184CNZ0.1H0 V185TCX0.1HA V185CNZ0.1H0

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Wave H_s in Tai-Chung Harbor of TCX0 at 2018

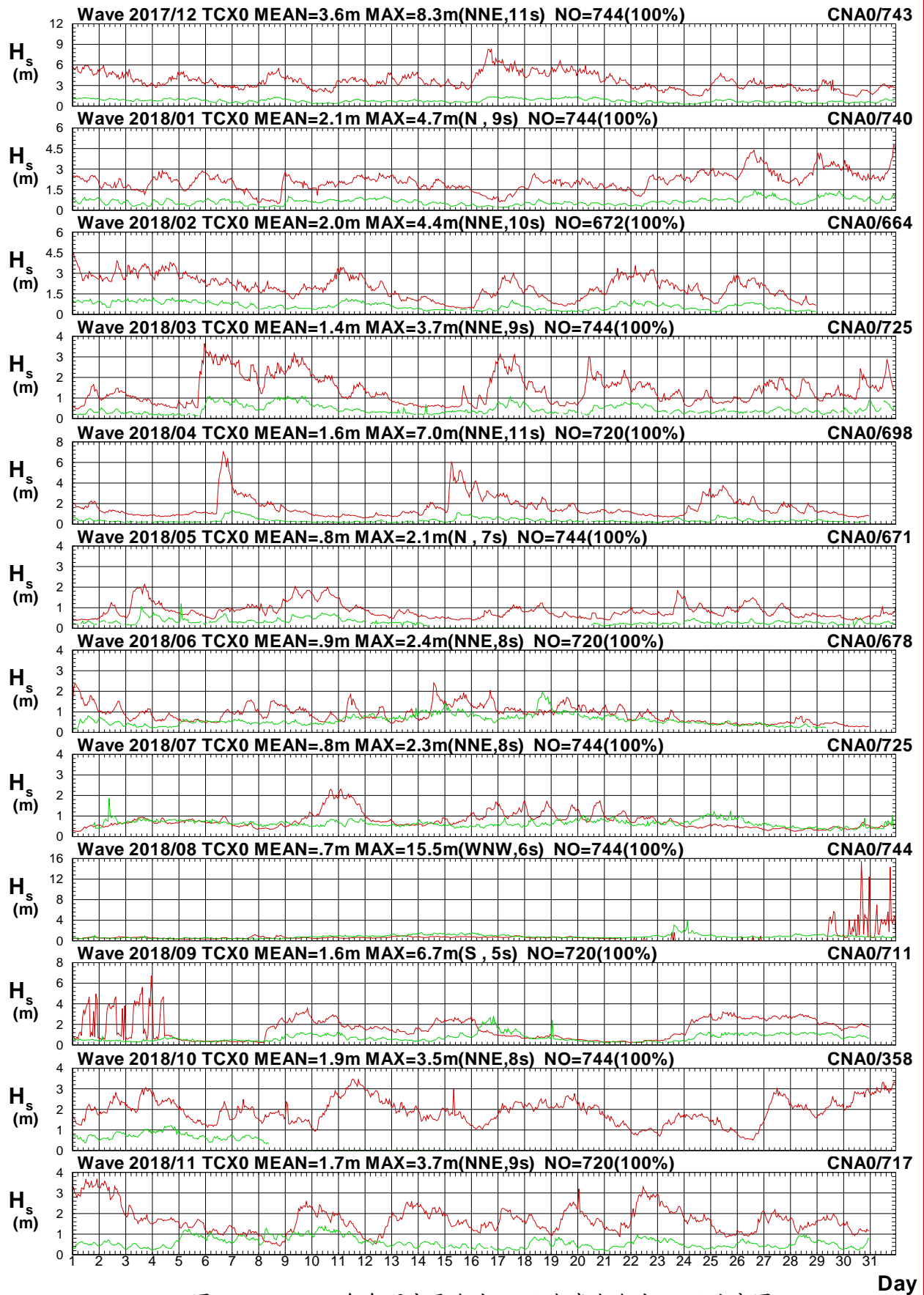


圖2.3.5a 2018年每月中雲海域 X 站與嘉南海域 A 站波高圖

V17CTCX0.1HA V17CCNA0.1H0 V181TCX0.1HA V181CNA0.1H0 V182TCX0.1HA V182CNA0.1H0
 V183TCX0.1HA V183CNA0.1H0 V184TCX0.1HA V184CNA0.1H0 V185TCX0.1HA V185CNA0.1H0

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Wave T_p in Tai-Chung Harbor of TCX0 at 2018

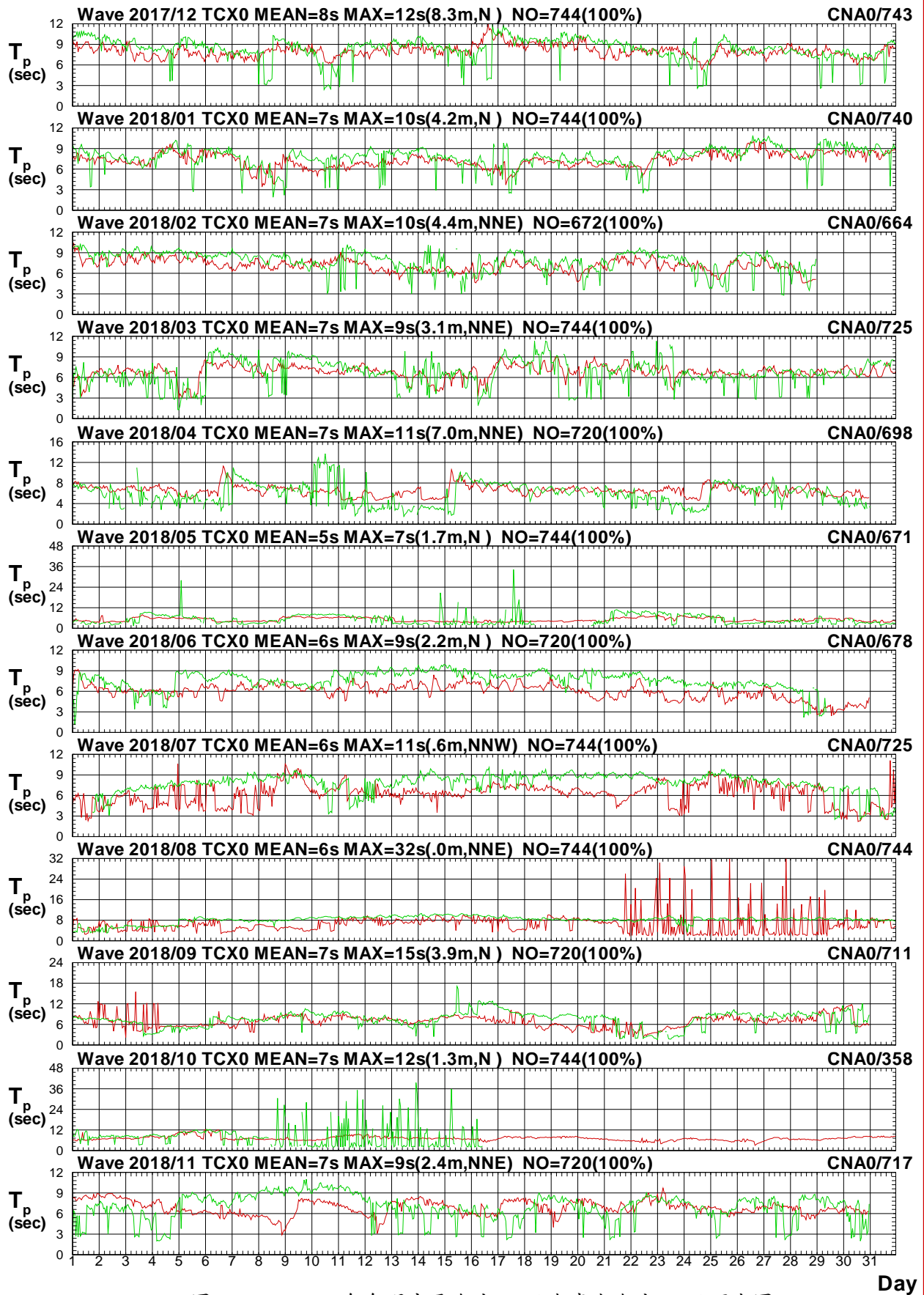


圖2.3.5b 2018年每月中雲海域 X 站與嘉南海域 A 站週期圖

V17CTCX0.1HA V17CCNA0.1H0 V181TCX0.1HA V181CNA0.1H0 V182TCX0.1HA V182CNA0.1H0
 V183TCX0.1HA V183CNA0.1H0 V184TCX0.1HA V184CNA0.1H0 V185TCX0.1HA V185CNA0.1H0

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Wave Direction in Tai-Chung Harbor of TCX0 at 2018

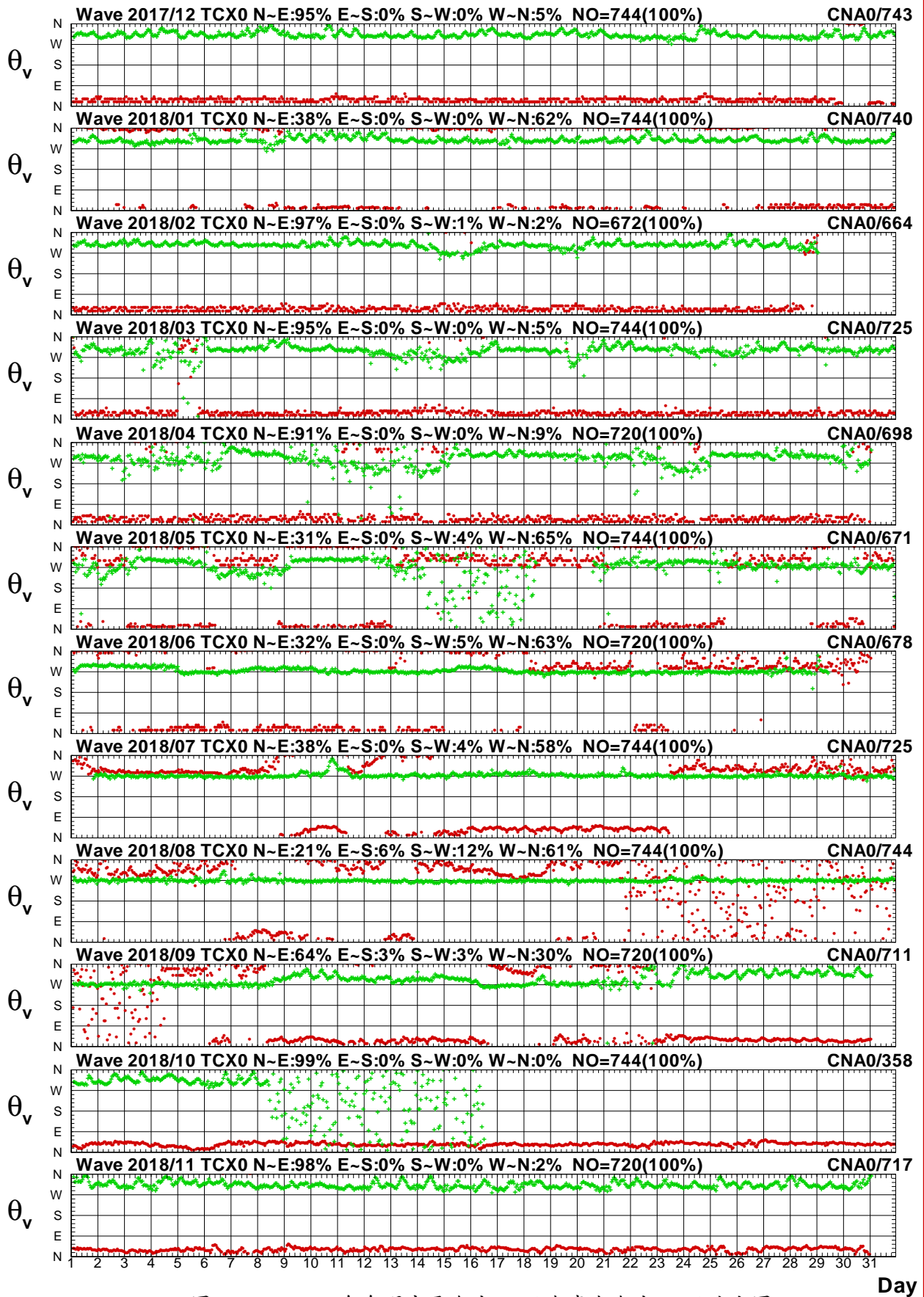


圖2.3.5c 2018年每月中雲海域 X 站與嘉南海域 A 站波向圖

V17CTCX0.1HA V17CCNA0.1H0 V181TCX0.1HA V181CNA0.1H0 V182TCX0.1HA V182CNA0.1H0
 V183TCX0.1HA V183CNA0.1H0 V184TCX0.1HA V184CNA0.1H0 V185TCX0.1HA V185CNA0.1H0

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Wave H_s in Tai-Chung Harbor of TCX0 at 2018

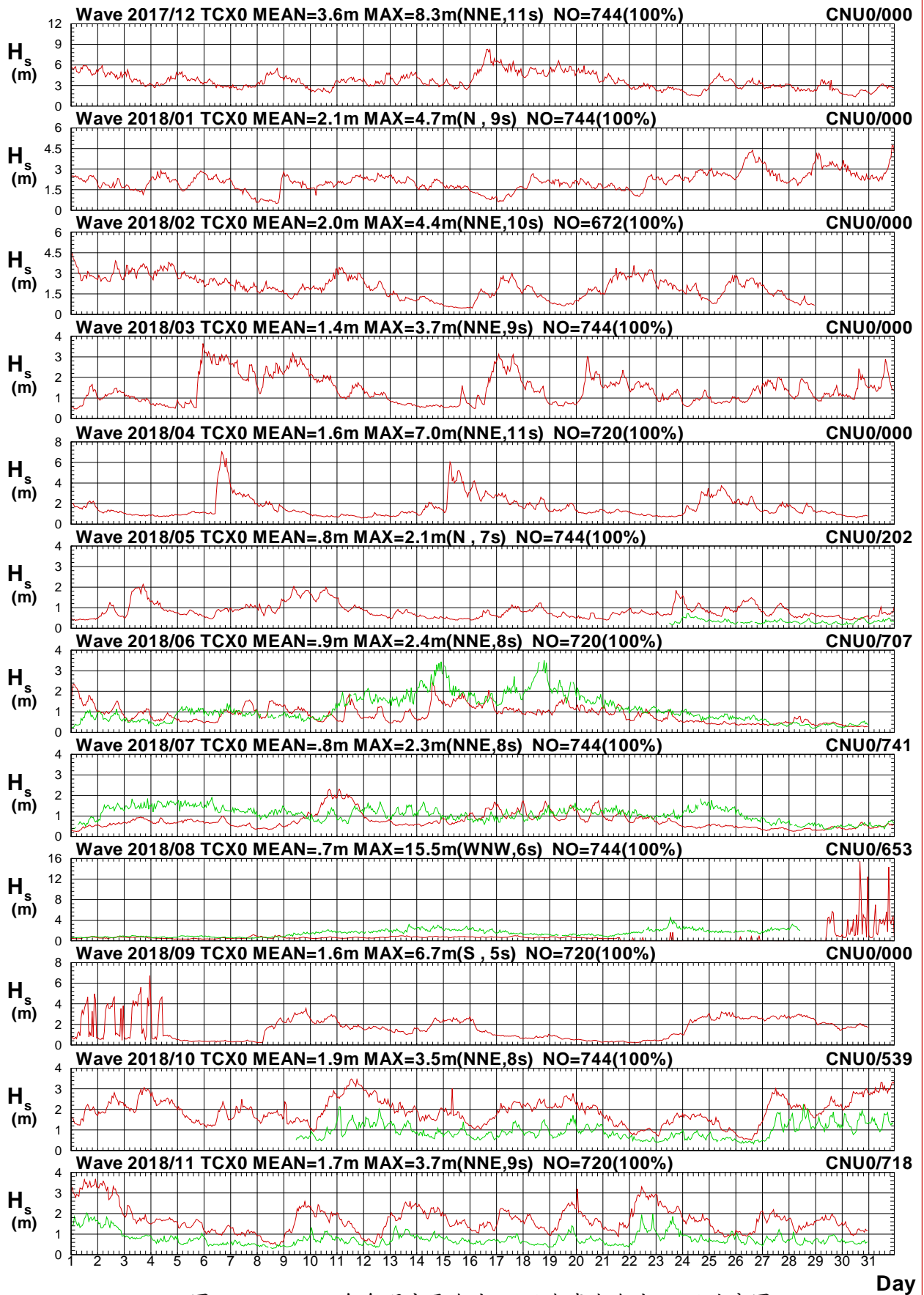


圖2.3.6a 2018年每月中雲海域 X 站與嘉南海域 U 站波高圖

V17CTCX0.1HA V17CCNU0.1H0 V181TCX0.1HA V181CNU0.1H0 V182TCX0.1HA V182CNU0.1H0
 V183TCX0.1HA V183CNU0.1H0 V184TCX0.1HA V184CNU0.1H0 V185TCX0.1HA V185CNU0.1H0

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Wave T_p in Tai-Chung Harbor of TCX0 at 2018

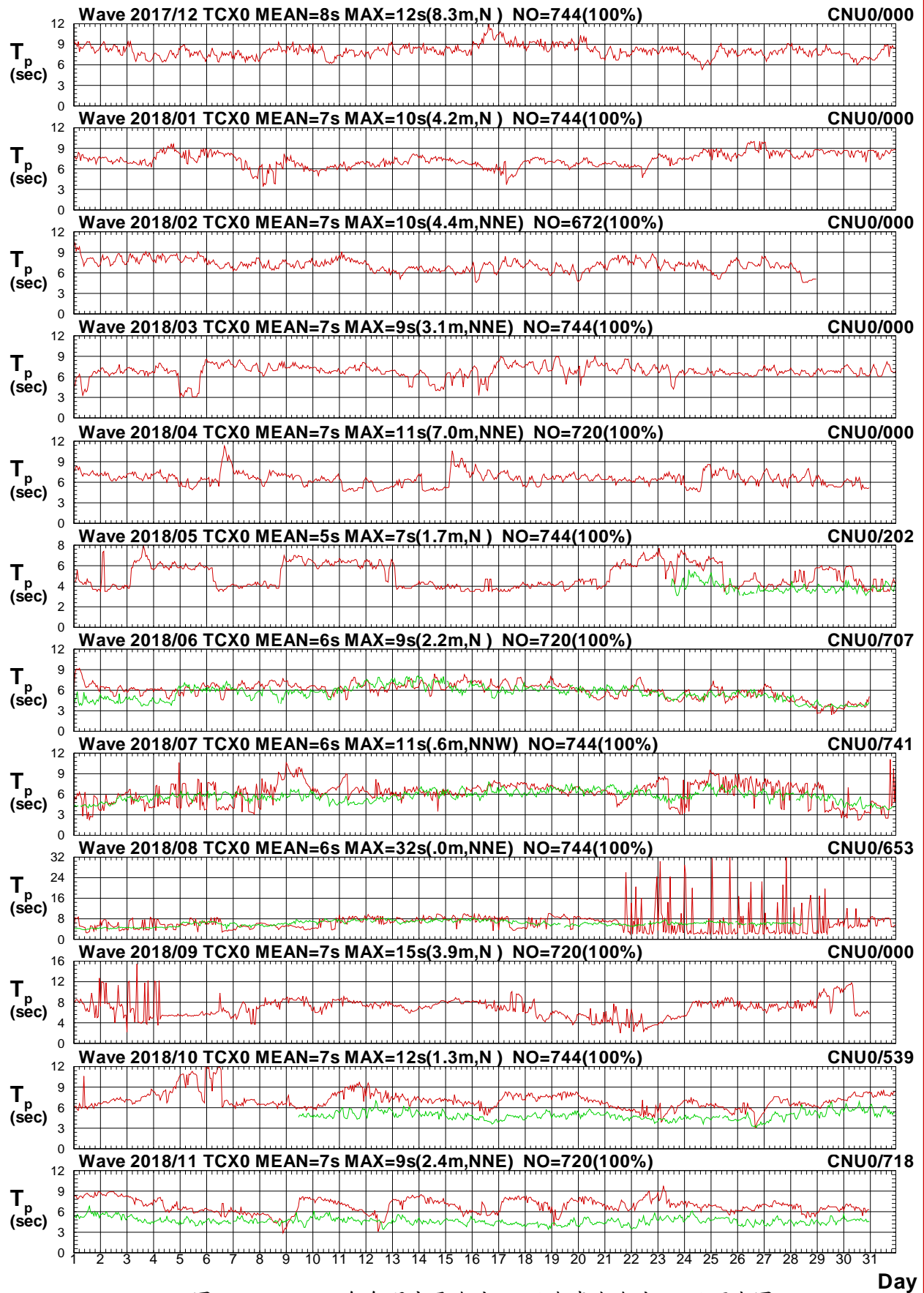


圖2.3.6b 2018年每月中雲海域 X 站與嘉南海域 U 站週期圖

V17CTCX0.1HA V17CCNU0.1H0 V181TCX0.1HA V181CNU0.1H0 V182TCX0.1HA V182CNU0.1H0
 V183TCX0.1HA V183CNU0.1H0 V184TCX0.1HA V184CNU0.1H0 V185TCX0.1HA V185CNU0.1H0

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Wave Direction in Tai-Chung Harbor of TCX0 at 2018

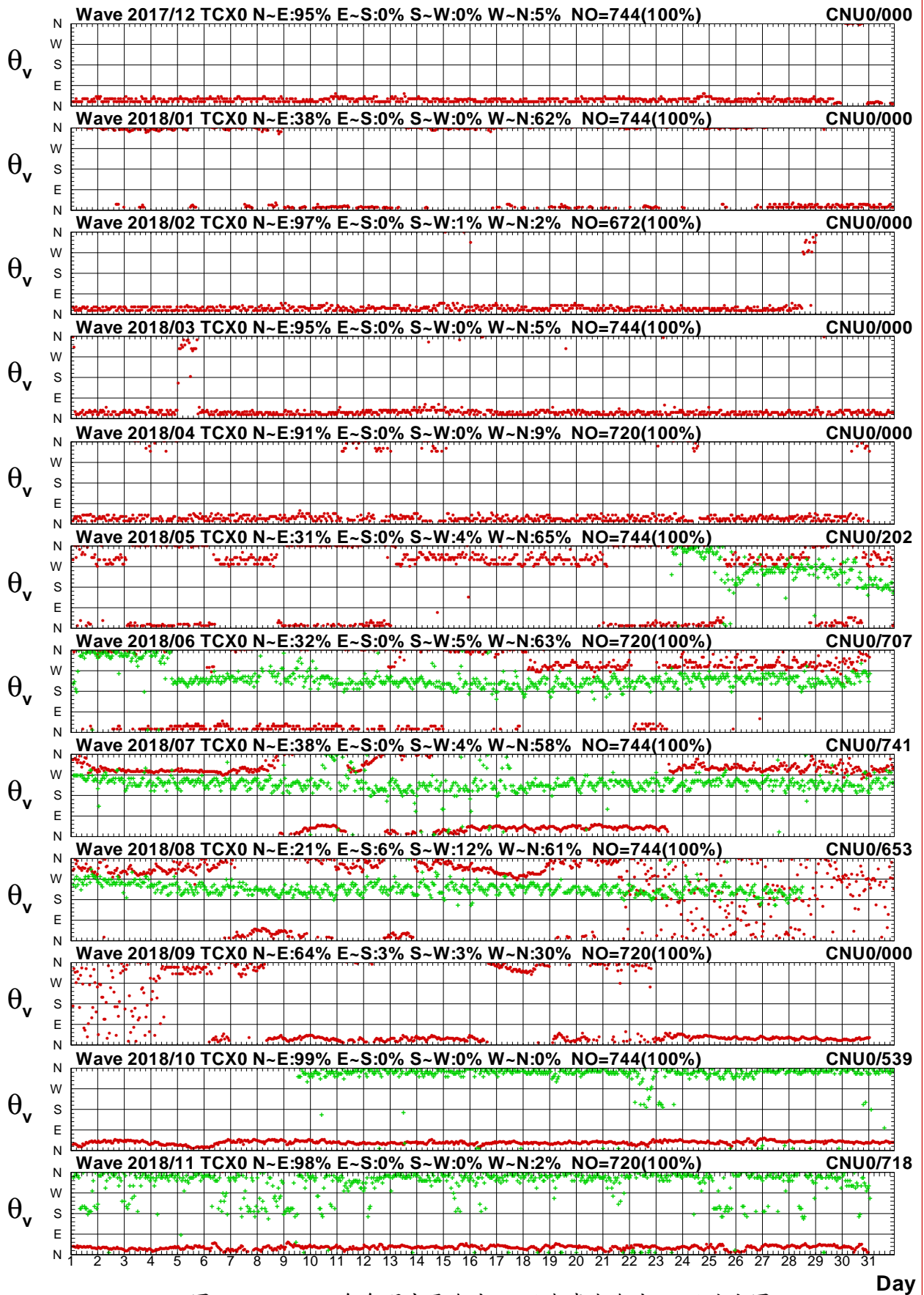


圖2.3.6c 2018年每月中雲海域 X 站與嘉南海域 U 站波向圖

V17CTCX0.1HA V17CCNU0.1H0 V181TCX0.1HA V181CNU0.1H0 V182TCX0.1HA V182CNU0.1H0
 V183TCX0.1HA V183CNU0.1H0 V184TCX0.1HA V184CNU0.1H0 V185TCX0.1HA V185CNU0.1H0

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Wave H_s in Tai-Chung Harbor of TCX0 at 2018

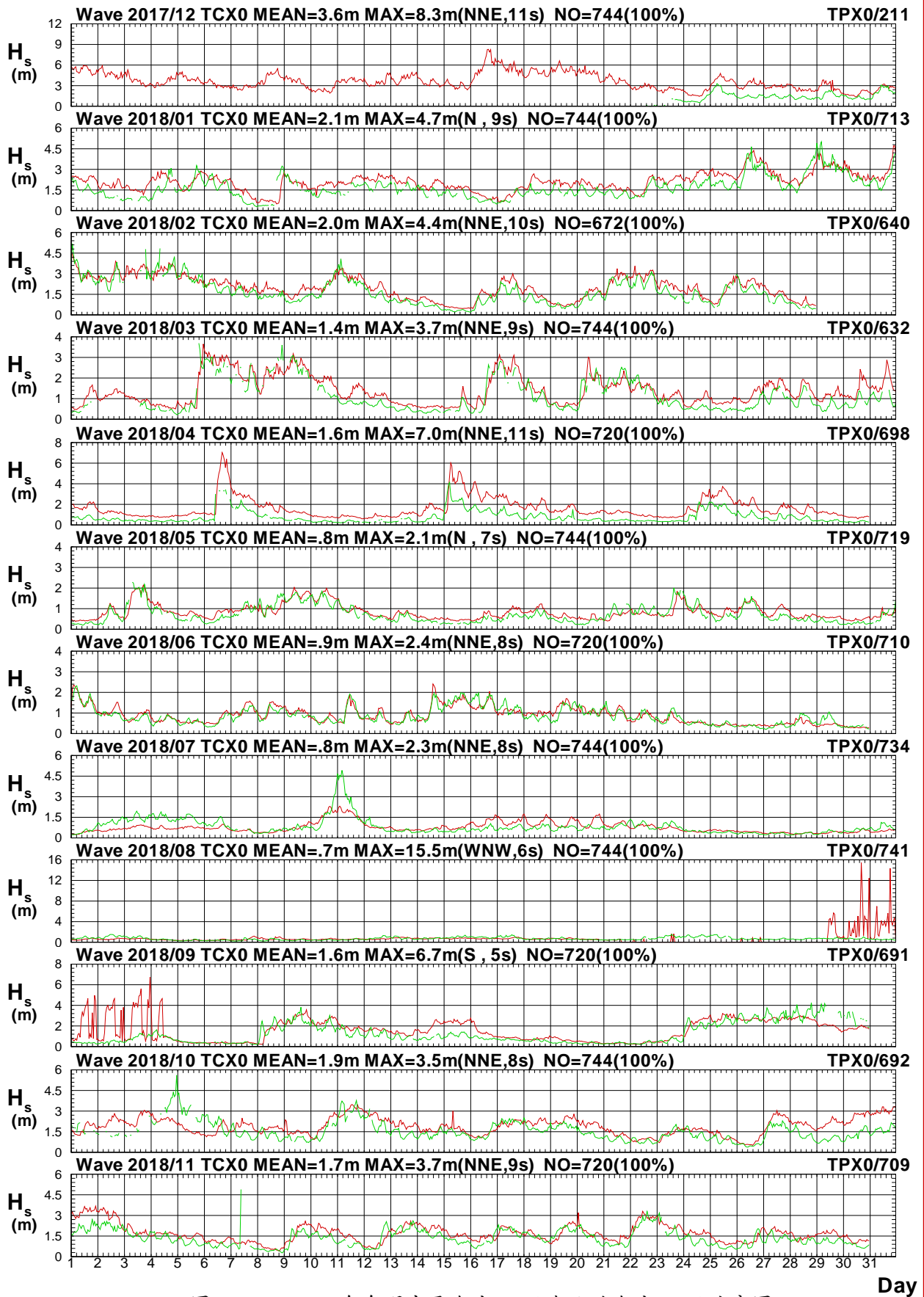


圖2.3.7a 2018年每月中雲海域 X 站與北苗海域 X 站波高圖

V17CTCX0.1HA V17CTPX0.1HO V181TCX0.1HA V181TPX0.1HO V182TCX0.1HA V182TPX0.1HO
 V183TCX0.1HA V183TPX0.1HO V184TCX0.1HA V184TPX0.1HO V185TCX0.1HA V185TPX0.1HO

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Wave T_p in Tai-Chung Harbor of TCX0 at 2018

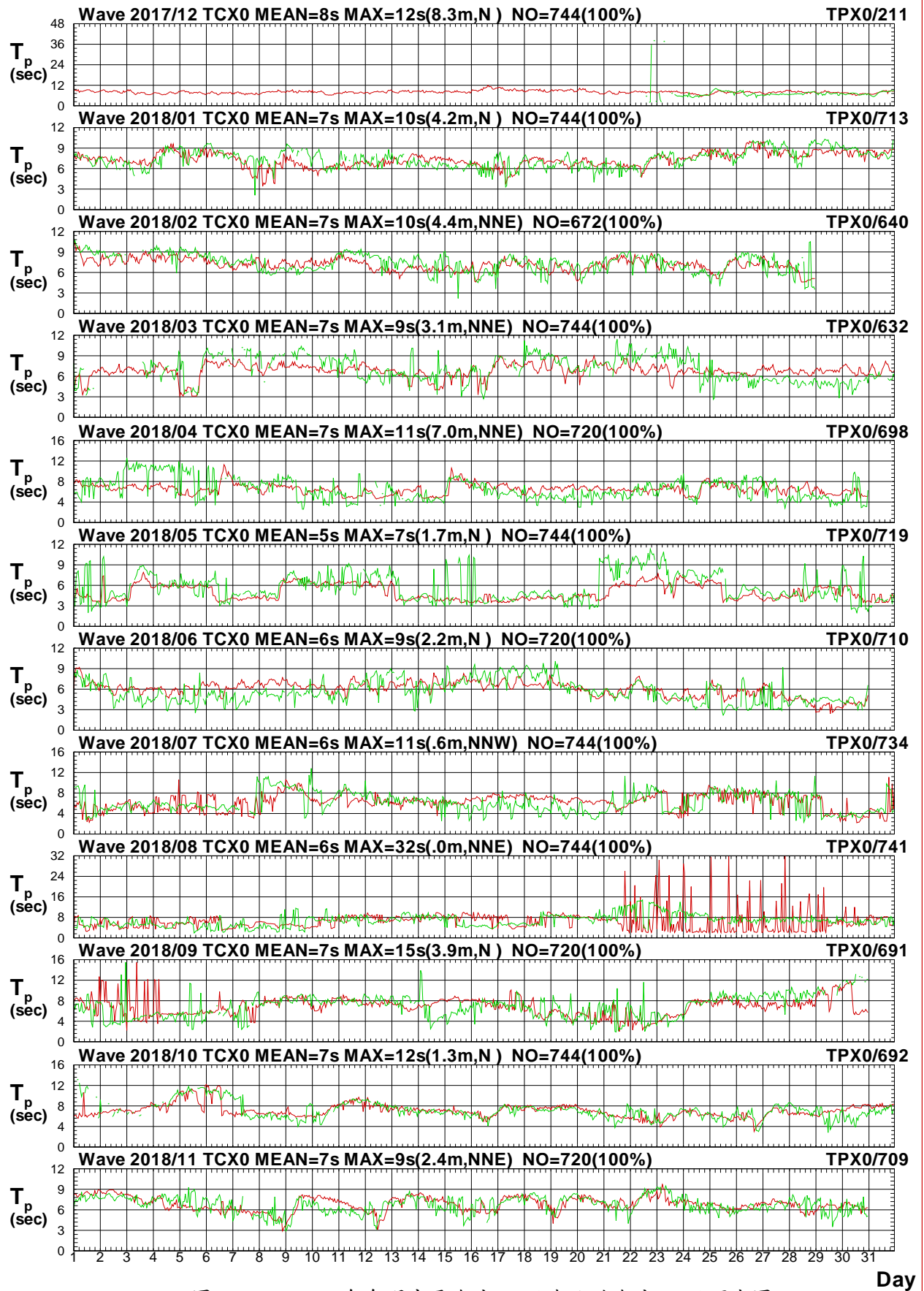


圖2.3.7b 2018年每月中雲海域 X 站與北苗海域 X 站週期圖

V17CTCX0.1HA V17CTPX0.1H0 V181TCX0.1HA V181TPX0.1H0 V182TCX0.1HA V182TPX0.1H0
 V183TCX0.1HA V183TPX0.1H0 V184TCX0.1HA V184TPX0.1H0 V185TCX0.1HA V185TPX0.1H0

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Wave Direction in Tai-Chung Harbor of TCX0 at 2018

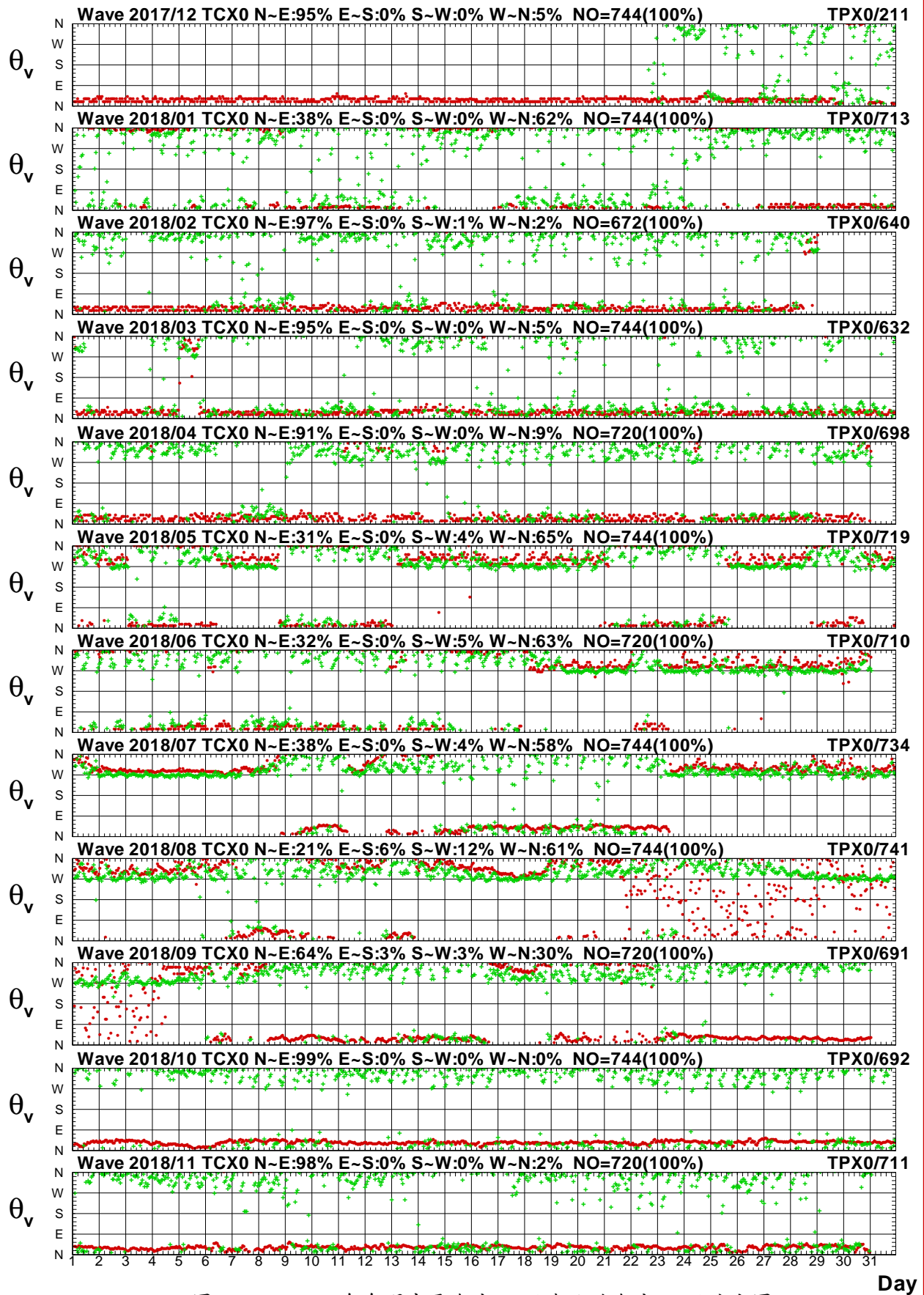


圖2.3.7c 2018年每月中雲海域 X 站與北苗海域 X 站波向圖

V17CTCX0.1HA V17CTPX0.1H0 V181TCX0.1HA V181TPX0.1H0 V182TCX0.1HA V182TPX0.1H0
 V183TCX0.1HA V183TPX0.1H0 V184TCX0.1HA V184TPX0.1H0 V185TCX0.1HA V185TPX0.1H0

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Wave H_s in Tai-Chung Harbor of TCX0 at 2018

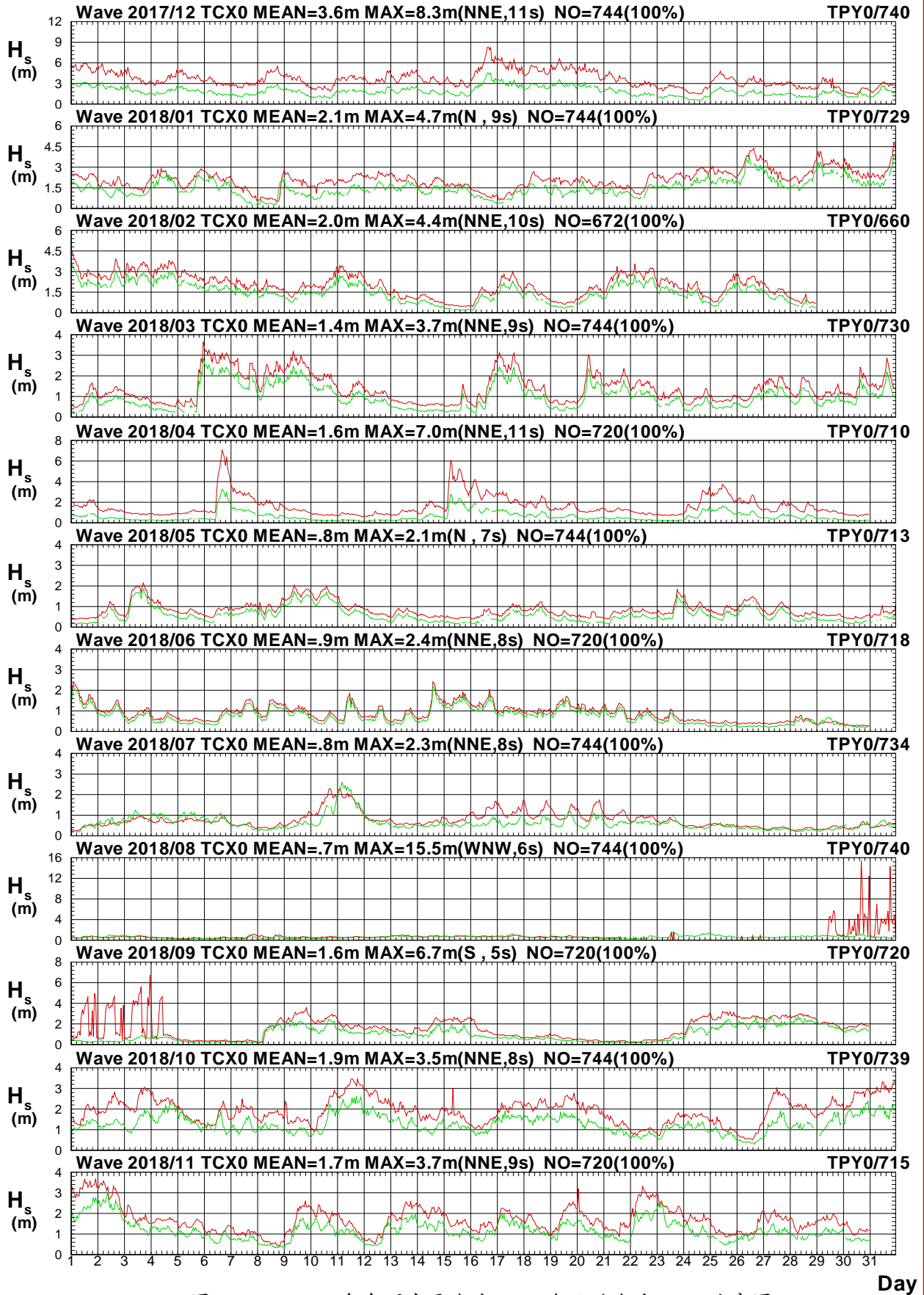


圖2.3.8a 2018年每月中雲海域 X 站與北苗海域 Y 站波高圖

V17CTCX0.1HA V17CTPY0.1HO V181TCX0.1HA V181TPY0.1HO V182TCX0.1HA V182TPY0.1HO
 V183TCX0.1HA V183TPY0.1HO V184TCX0.1HA V184TPY0.1HO V185TCX0.1HA V185TPY0.1HO

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Wave T_p in Tai-Chung Harbor of TCX0 at 2018

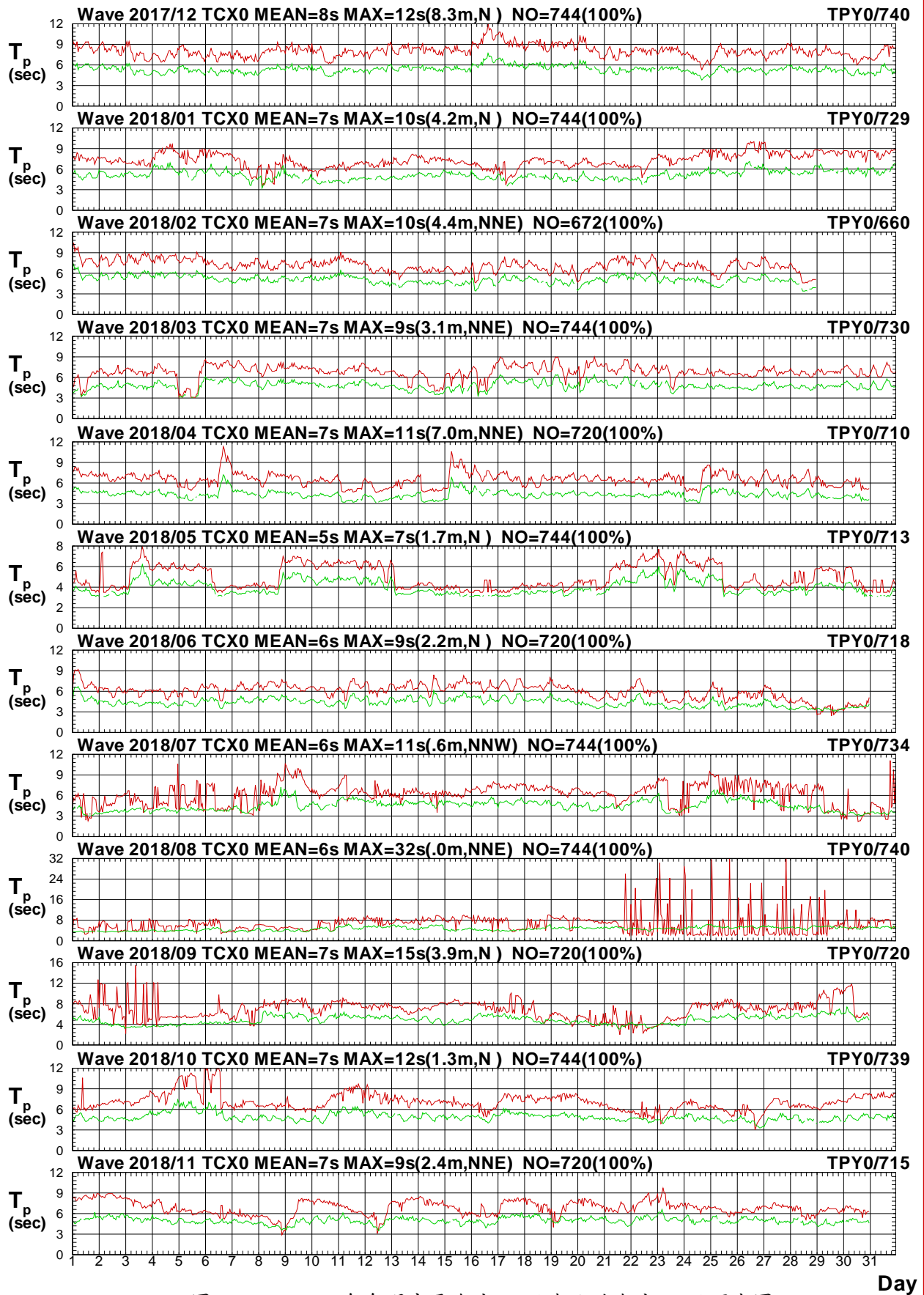


圖2.3.8b 2018年每月中雲海域 X 站與北苗海域 Y 站週期圖

V17CTCX0.1HA V17CTPY0.1HO V181TCX0.1HA V181TPY0.1HO V182TCX0.1HA V182TPY0.1HO
 V183TCX0.1HA V183TPY0.1HO V184TCX0.1HA V184TPY0.1HO V185TCX0.1HA V185TPY0.1HO

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Wave Direction in Tai-Chung Harbor of TCX0 at 2018

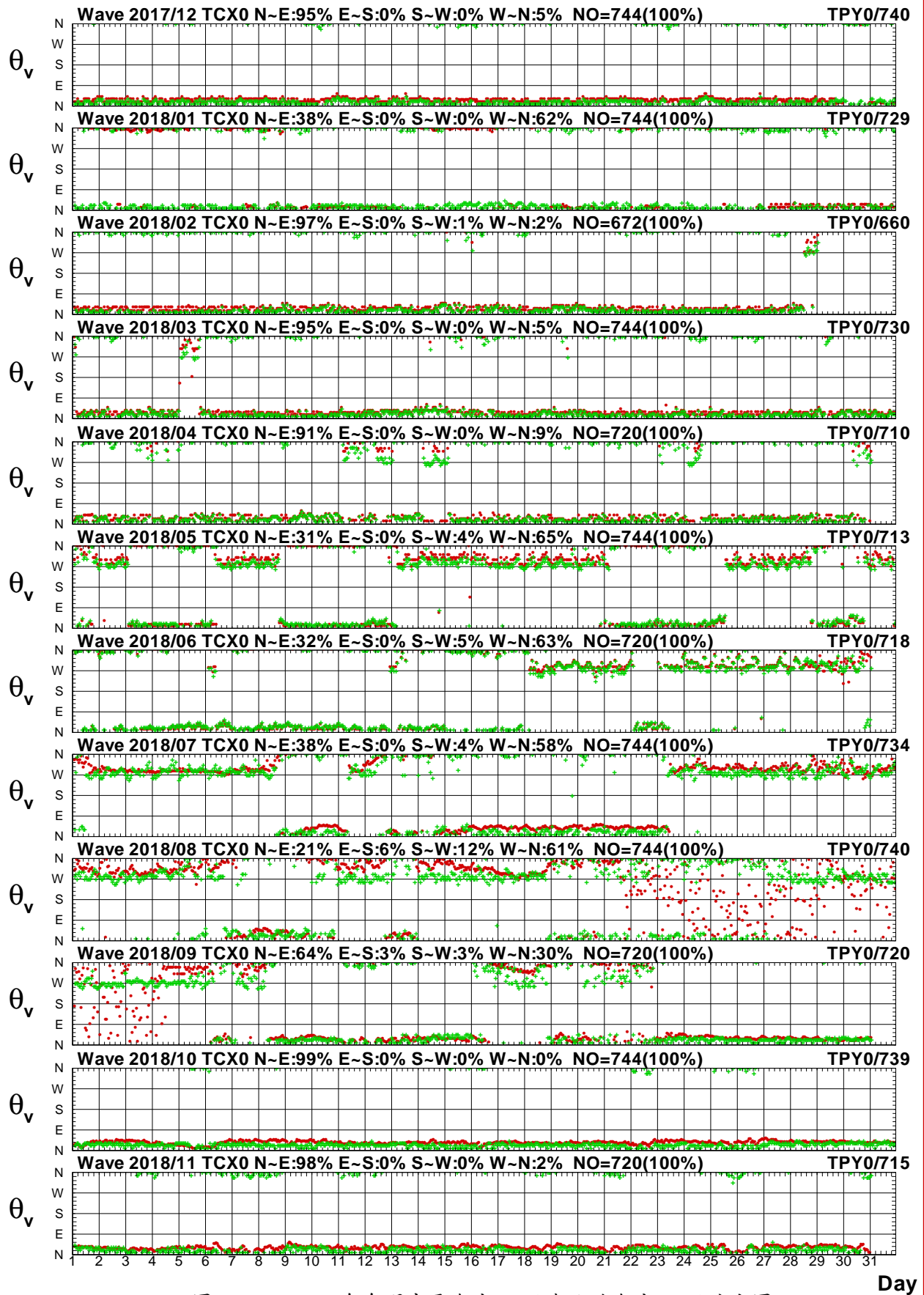


圖2.3.8c 2018年每月中雲海域 X 站與北苗海域 Y 站波向圖

V17CTCX0.1HA V17CTPY0.1H0 V181TCX0.1HA V181TPY0.1H0 V182TCX0.1HA V182TPY0.1H0
 V183TCX0.1HA V183TPY0.1H0 V184TCX0.1HA V184TPY0.1H0 V185TCX0.1HA V185TPY0.1H0

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Wave H_s in Tai-Chung Harbor of TCY0 at 2018

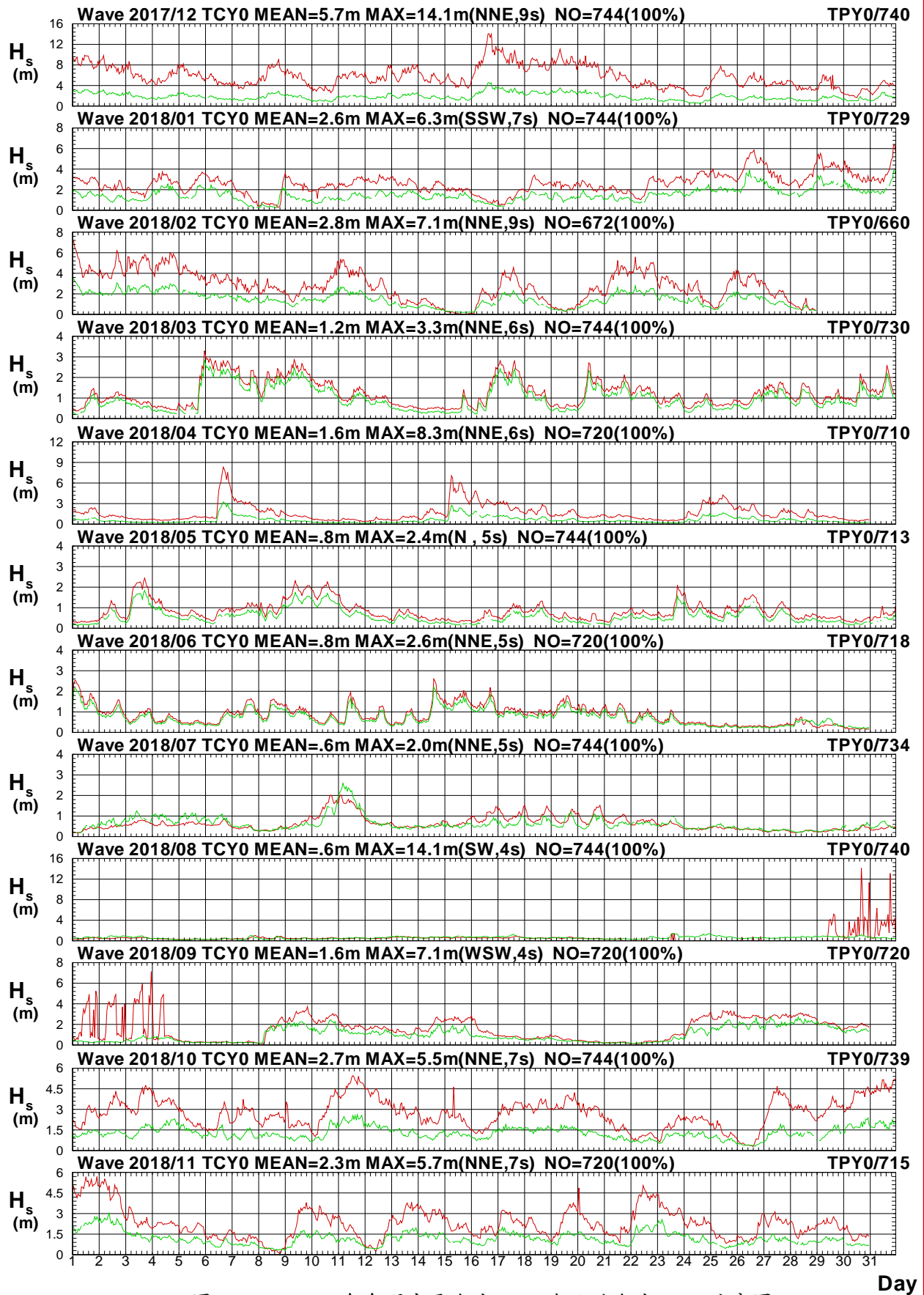


圖2.3.9a 2018年每月中雲海域 Y 站與北苗海域 Y 站波高圖

V17CTCY0.1HA V17CTPY0.1HO V181TCY0.1HA V181TPY0.1HO V182TCY0.1HA V182TPY0.1HO
 V183TCY0.1HA V183TPY0.1HO V184TCY0.1HA V184TPY0.1HO V185TCY0.1HA V185TPY0.1HO

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Wave T_p in Tai-Chung Harbor of TCY0 at 2018

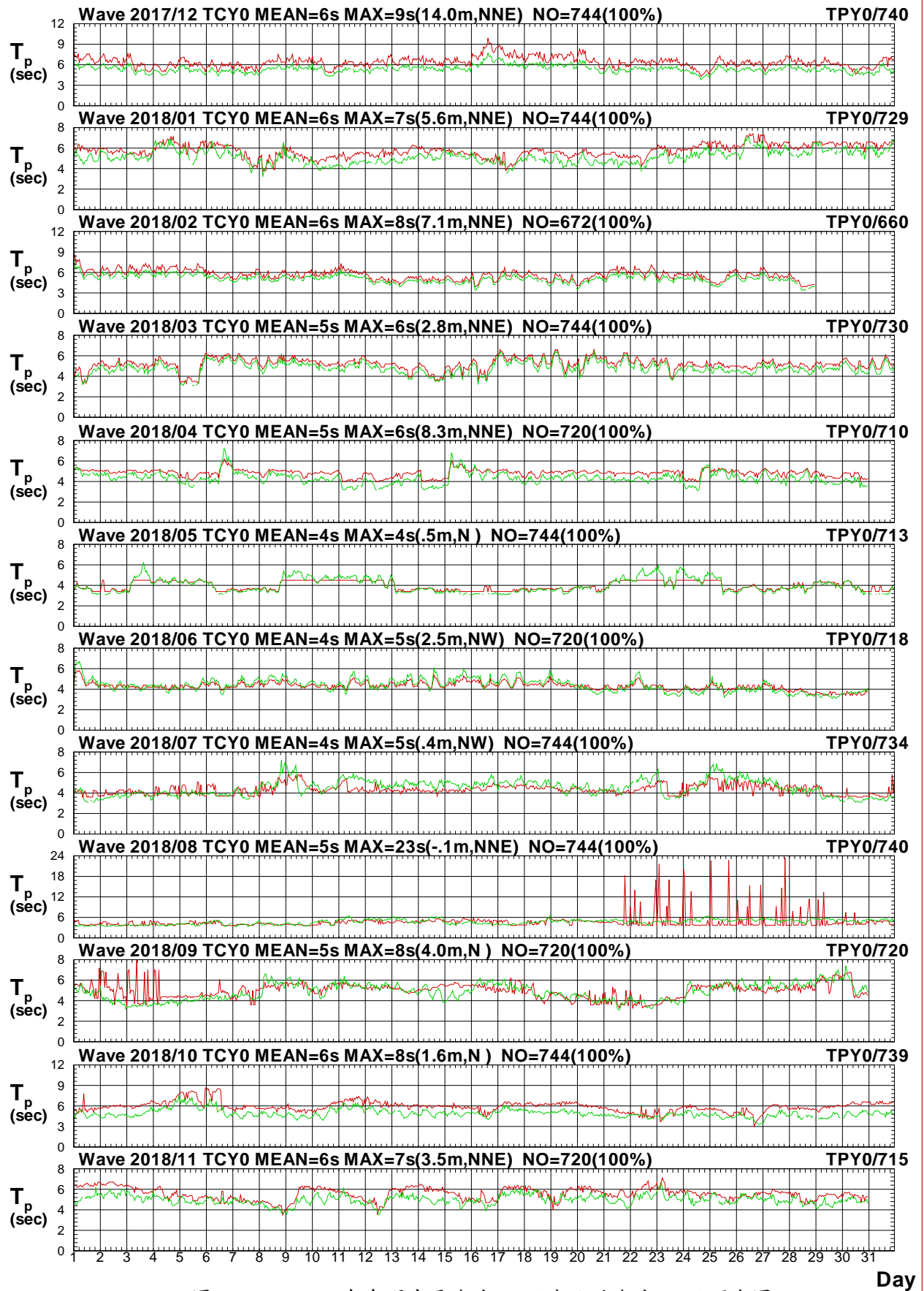


圖2.3.9b 2018年每月中雲海域 Y 站與北苗海域 Y 站週期圖

V17CTCY0.1HA V17CTPY0.1HO V181TCY0.1HA V181TPY0.1HO V182TCY0.1HA V182TPY0.1HO
 V183TCY0.1HA V183TPY0.1HO V184TCY0.1HA V184TPY0.1HO V185TCY0.1HA V185TPY0.1HO

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Wave Direction in Tai-Chung Harbor of TCY0 at 2018

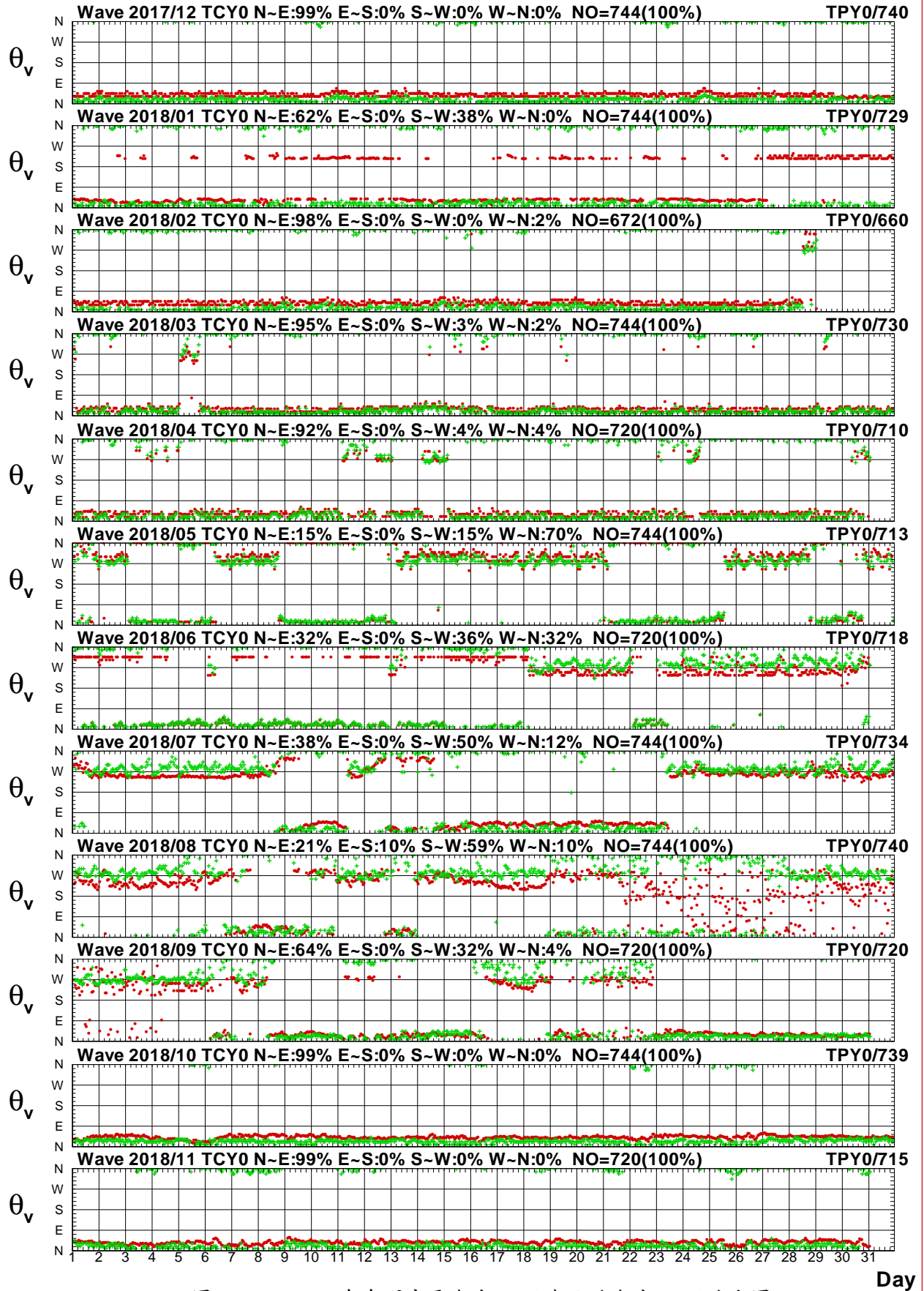


圖2.3.9c 2018年每月中雲海域 Y 站與北苗海域 Y 站波向圖

V17CTCY0.1HA V17CTPY0.1HO V181TCY0.1HA V181TPY0.1HO V182TCY0.1HA V182TPY0.1HO
 V183TCY0.1HA V183TPY0.1HO V184TCY0.1HA V184TPY0.1HO V185TCY0.1HA V185TPY0.1HO

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2.4 2018年中雲海域波浪**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 Tai-Chung Harbor of TCY0 at 2018

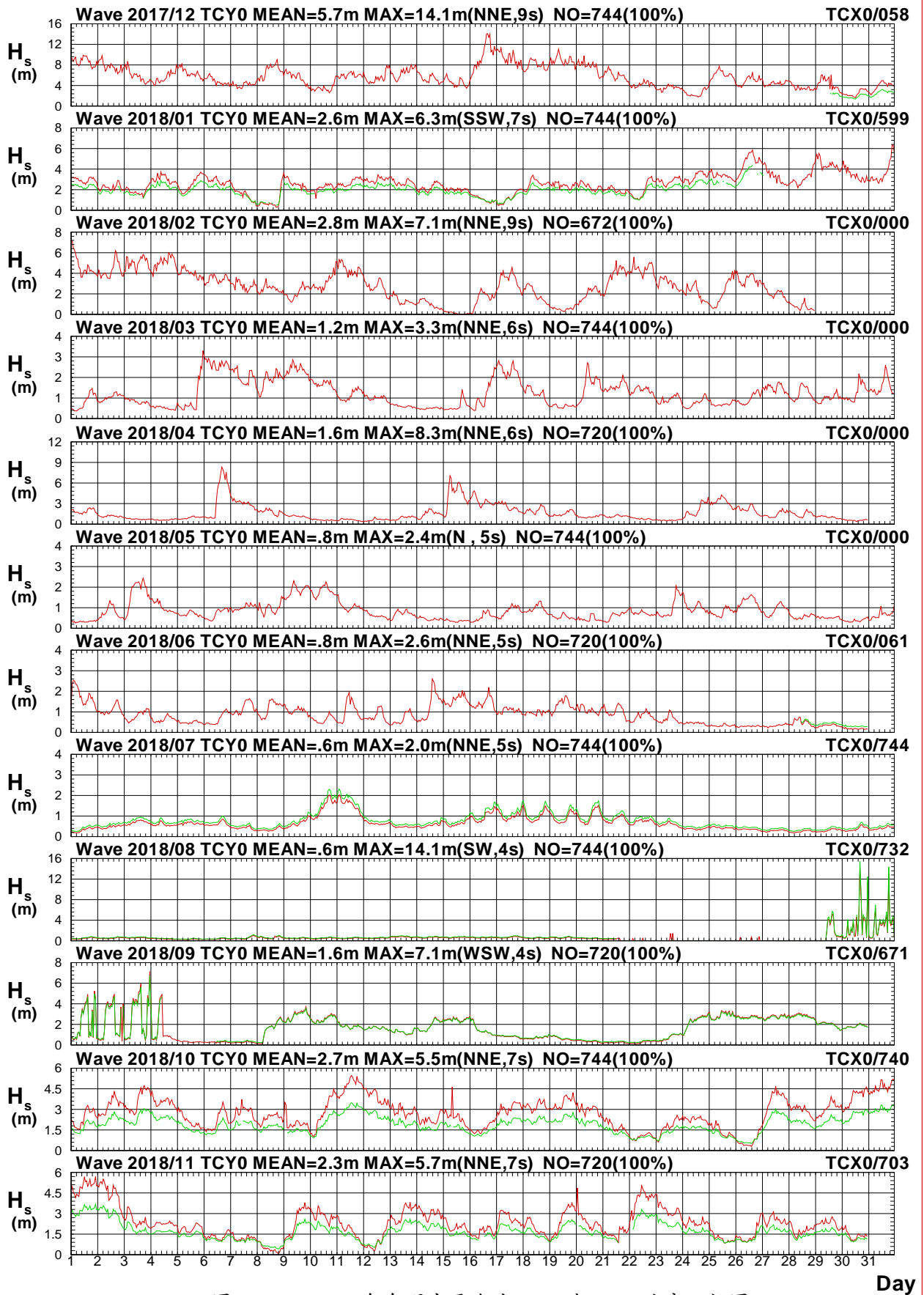


圖2.4.1a 2018年每月中雲海域 Y 站與 X 站波高比較圖

V17CTCY0.1HA V17CTCX0.1H0 V181TCY0.1HA V181TCX0.1H0 V182TCY0.1HA V182TCX0.1H0
 V183TCY0.1HA V183TCX0.1H0 V184TCY0.1HA V184TCX0.1H0 V185TCY0.1HA V185TCX0.1H0

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Wave T_p in Tai-Chung Harbor of TCY0 at 2018

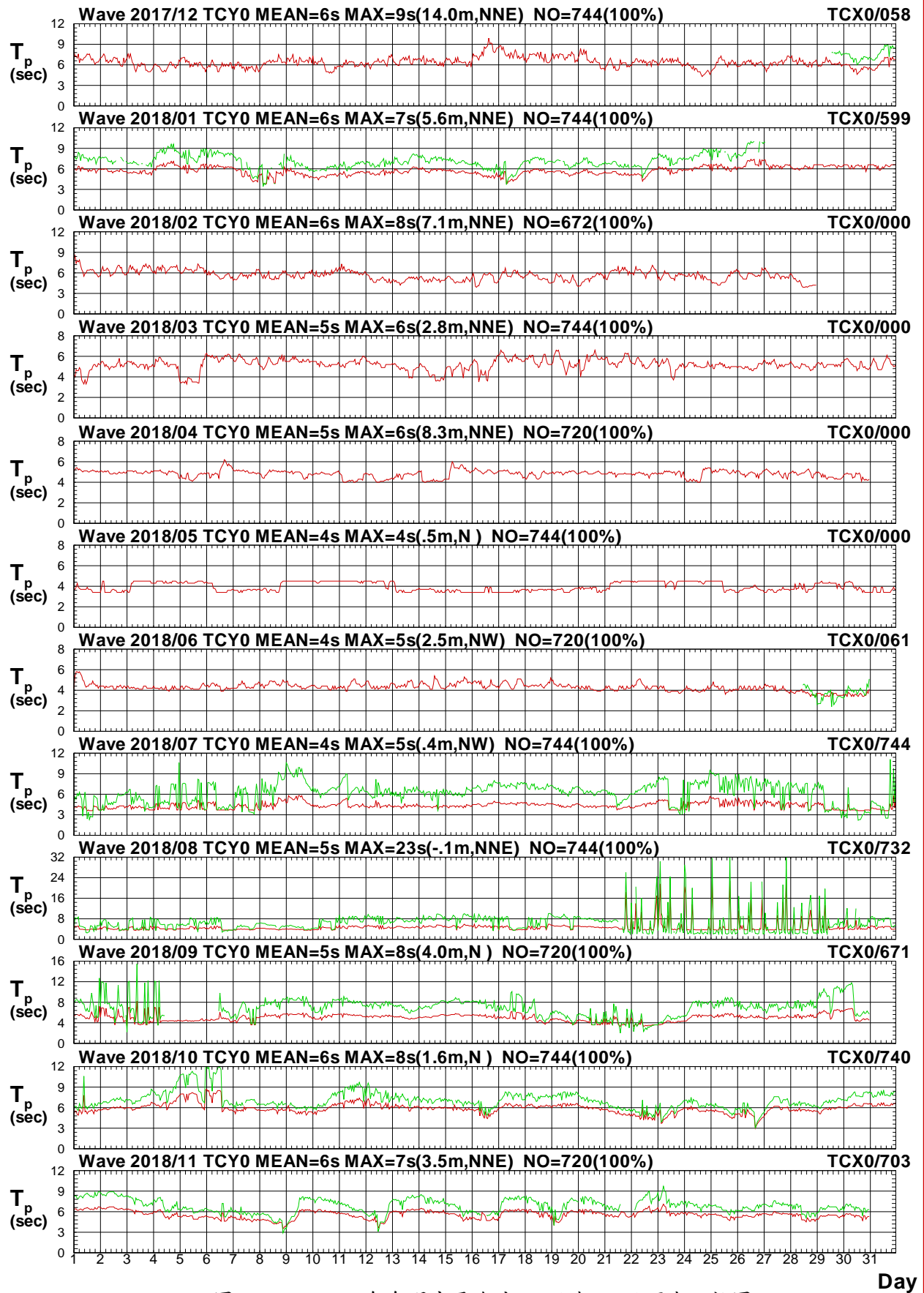


圖2.4.1b 2018年每月中雲海域 Y 站與 X 站週期比較圖

V17CTCY0.1HA V17CTCX0.1H0 V181TCY0.1HA V181TCX0.1H0 V182TCY0.1HA V182TCX0.1H0
 V183TCY0.1HA V183TCX0.1H0 V184TCY0.1HA V184TCX0.1H0 V185TCY0.1HA V185TCX0.1H0

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Wave Direction in Tai-Chung Harbor of TCY0 at 2018

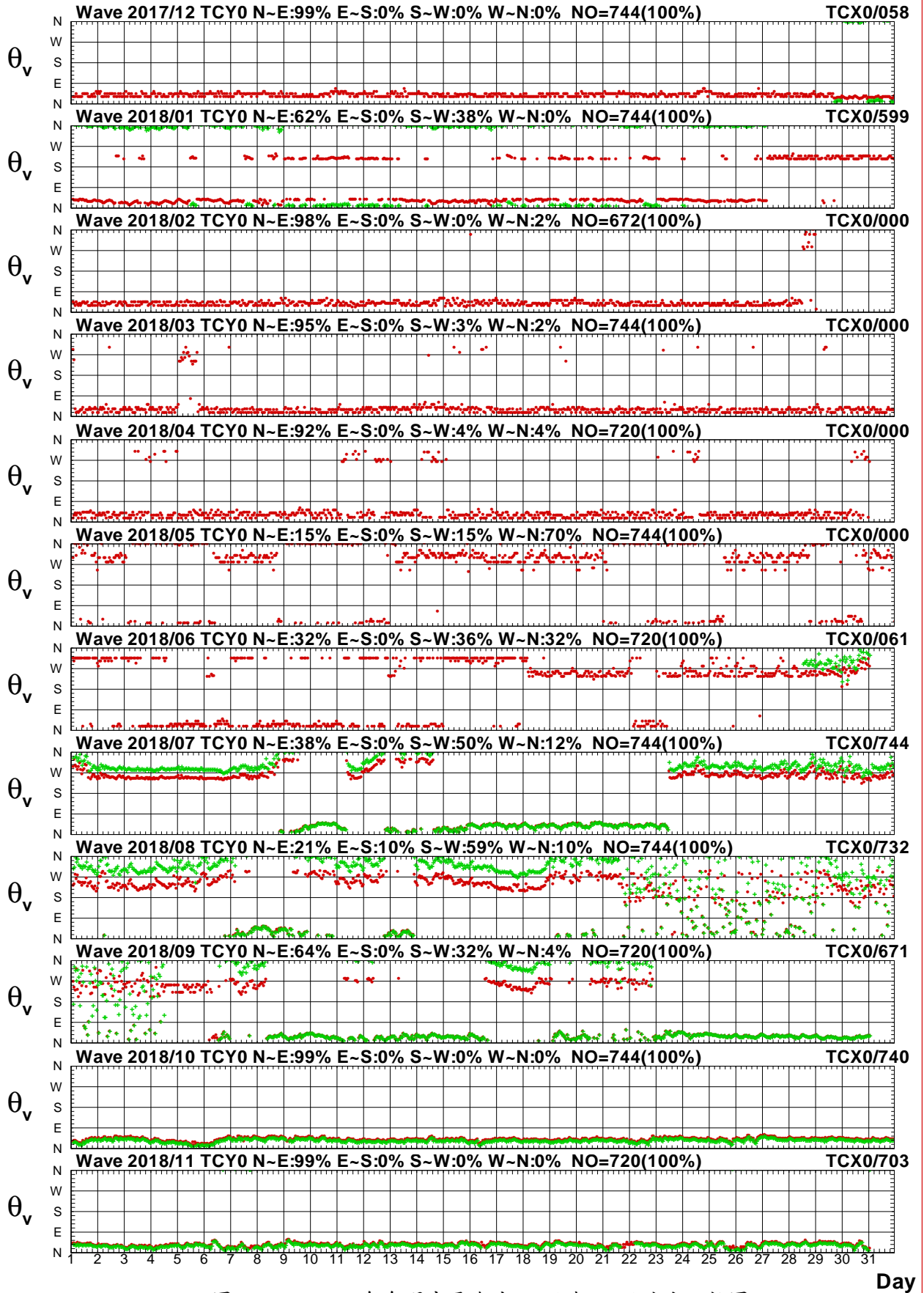


圖2.4.1c 2018年每月中雲海域 Y 站與 X 站波向比較圖

V17CTCY0.1HA V17CTCX0.1HO V181TCY0.1HA V181TCX0.1HO V182TCY0.1HA V182TCX0.1HO
 V183TCY0.1HA V183TCX0.1HO V184TCY0.1HA V184TCX0.1HO V185TCY0.1HA V185TCX0.1HO

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Wave H_s in Tai-Chung Harbor of TCY0 at 2018

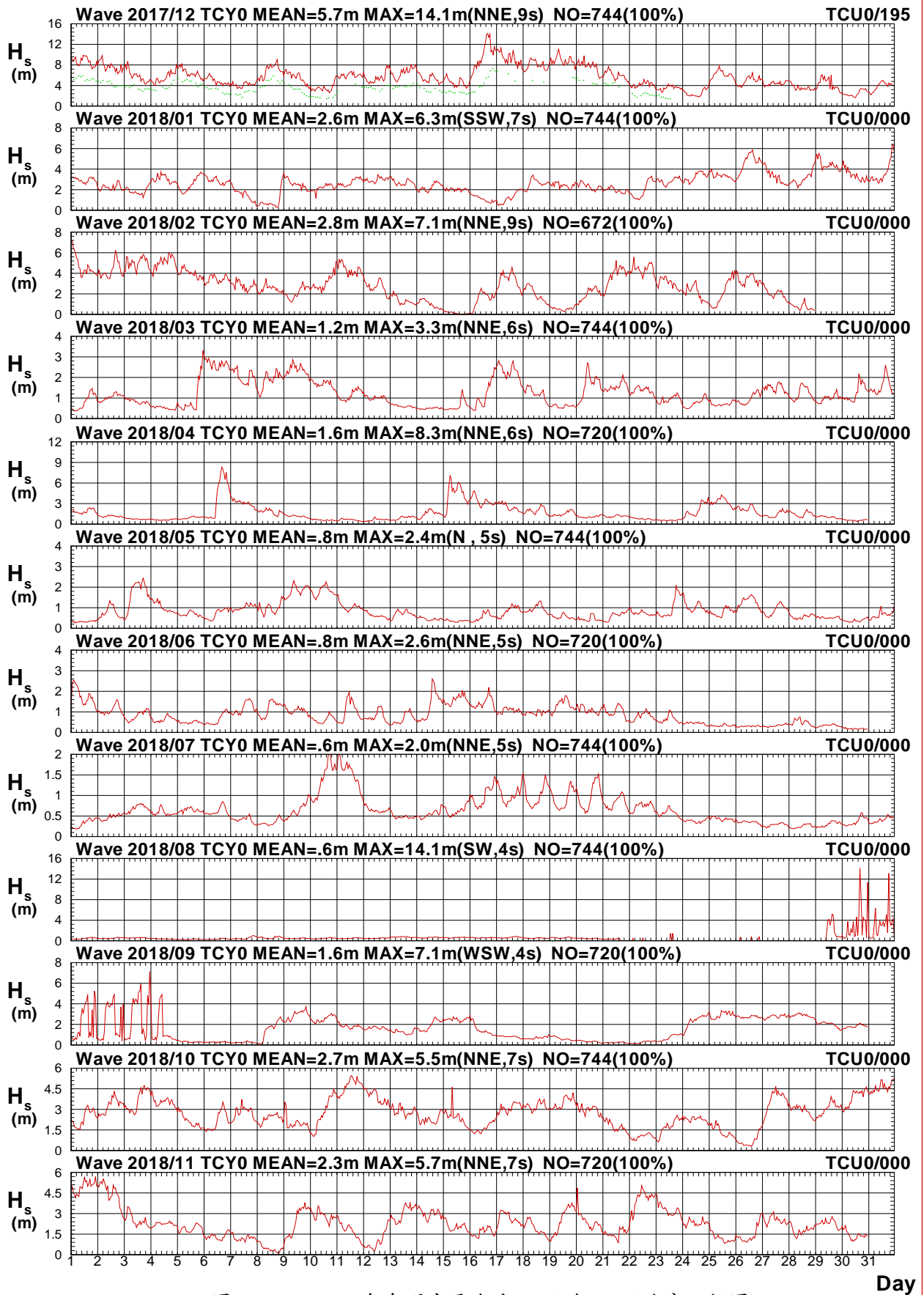


圖2.4.2a 2018年每月中雲海域 Y 站與 U 站波高比較圖

V17CTCY0.1HA V17CTCU0.1H0 V181TCY0.1HA V181TCU0.1H0 V182TCY0.1HA V182TCU0.1H0
 V183TCY0.1HA V183TCU0.1H0 V184TCY0.1HA V184TCU0.1H0 V185TCY0.1HA V185TCU0.1H0

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Wave T_p in Tai-Chung Harbor of TCY0 at 2018

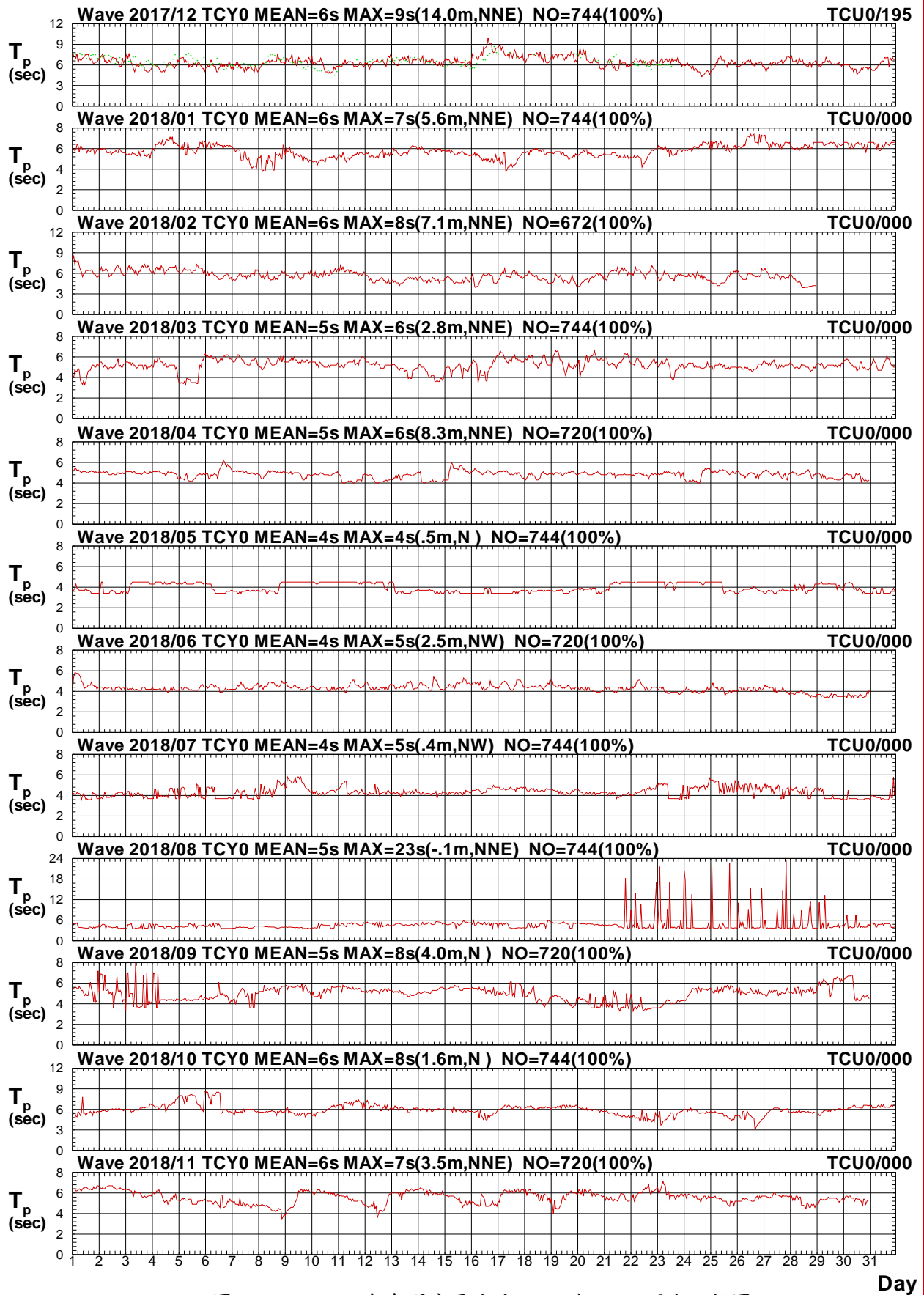


圖2.4.2b 2018年每月中雲海域 Y 站與 U 站週期比較圖

V17CTCY0.1HA V17CTCU0.1H0 V181TCY0.1HA V181TCU0.1H0 V182TCY0.1HA V182TCU0.1H0
 V183TCY0.1HA V183TCU0.1H0 V184TCY0.1HA V184TCU0.1H0 V185TCY0.1HA V185TCU0.1H0

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Wave Direction in Tai-Chung Harbor of TCY0 at 2018

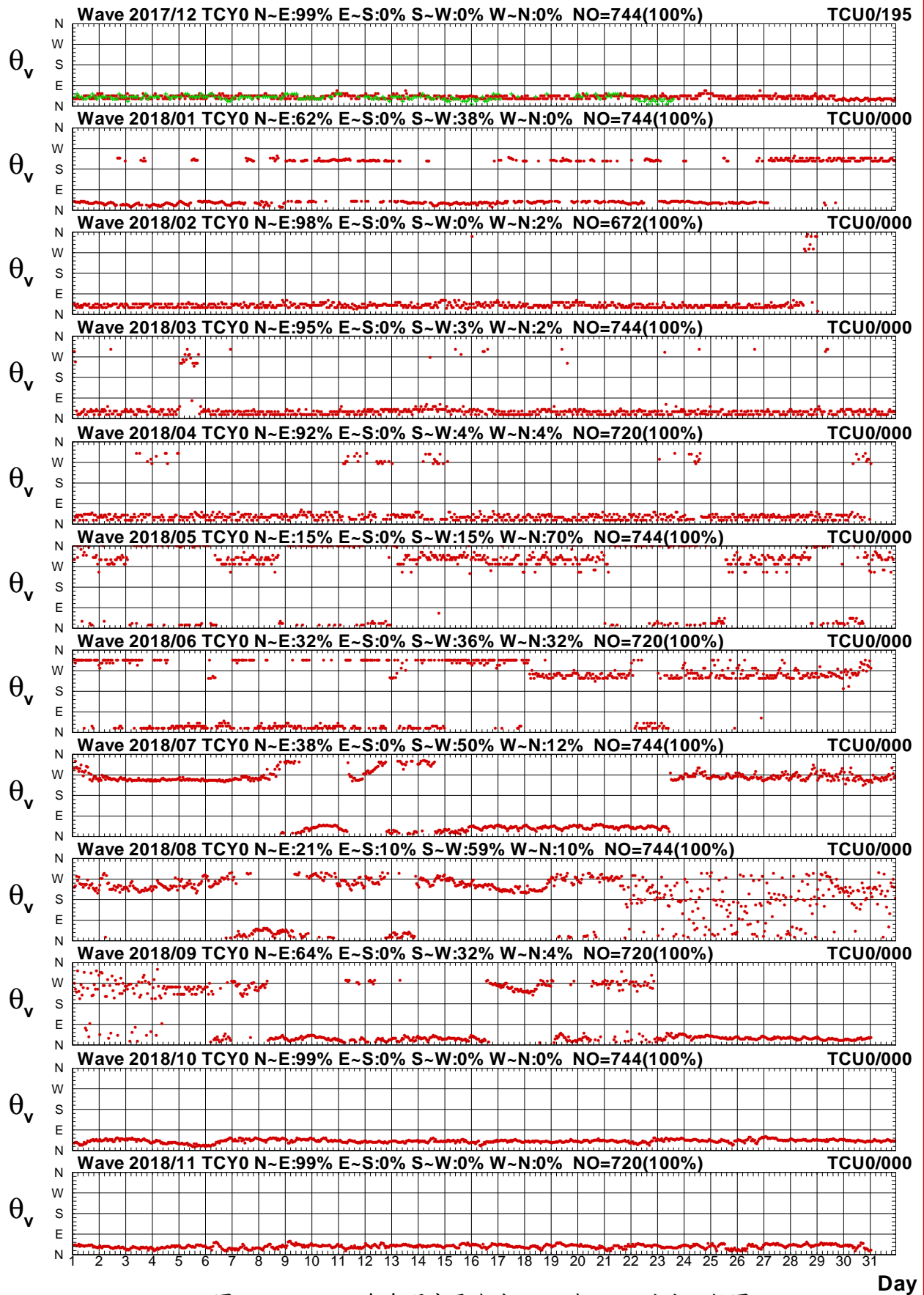


圖2.4.2c 2018年每月中雲海域 Y 站與 U 站波向比較圖

V17CTCY0.1HA V17CTCU0.1H0 V181TCY0.1HA V181TCU0.1H0 V182TCY0.1HA V182TCU0.1H0
 V183TCY0.1HA V183TCU0.1H0 V184TCY0.1HA V184TCU0.1H0 V185TCY0.1HA V185TCU0.1H0

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Wave H_s in Tai-Chung Harbor of TCY0 at 2018

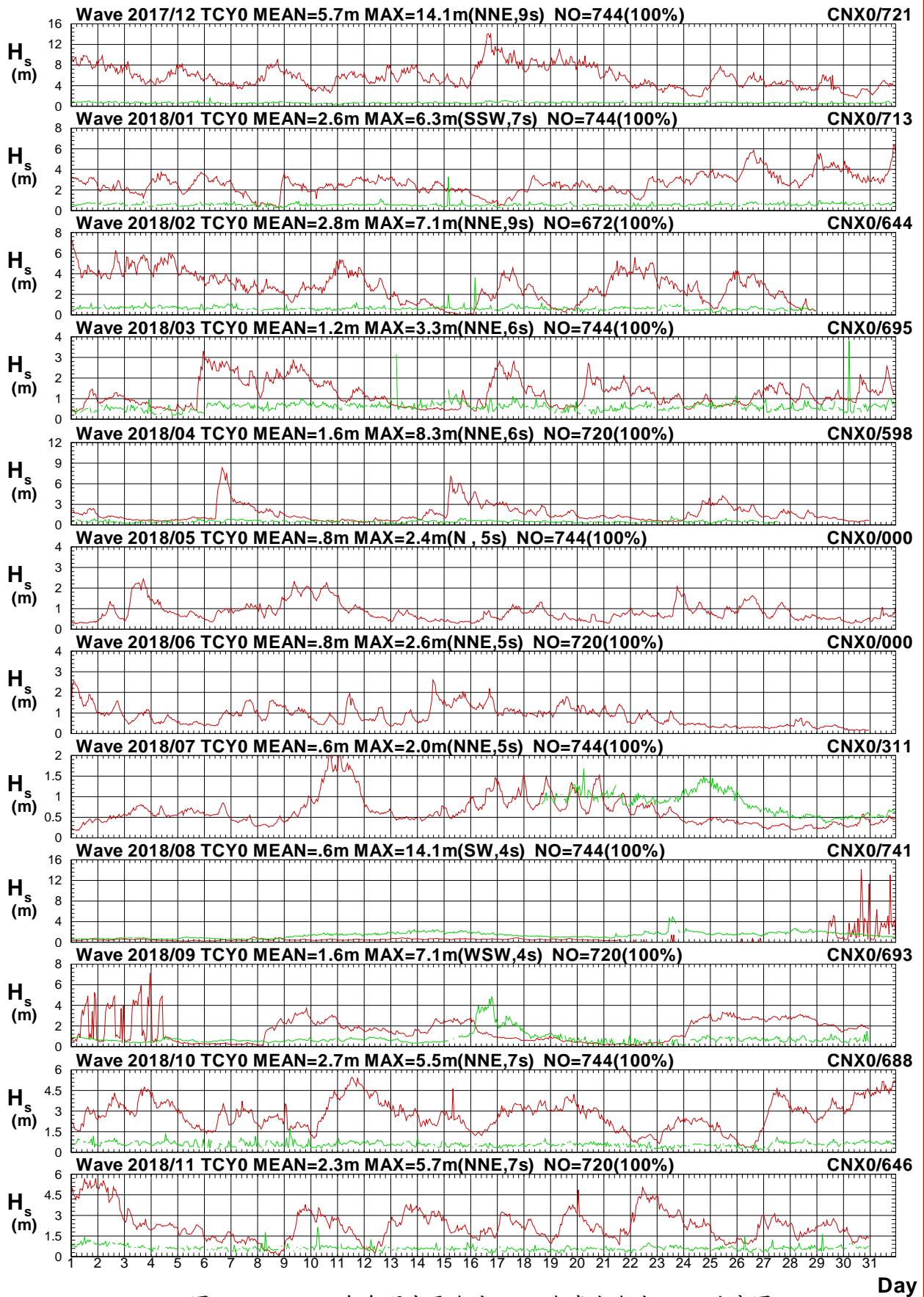


圖2.4.3a 2018年每月中雲海域 Y 站與嘉南海域 X 站波高圖

V17CTCY0.1HA V17CCNX0.1H0 V181TCY0.1HA V181CNX0.1H0 V182TCY0.1HA V182CNX0.1H0
 V183TCY0.1HA V183CNX0.1H0 V184TCY0.1HA V184CNX0.1H0 V185TCY0.1HA V185CNX0.1H0

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Wave T_p in Tai-Chung Harbor of TCY0 at 2018

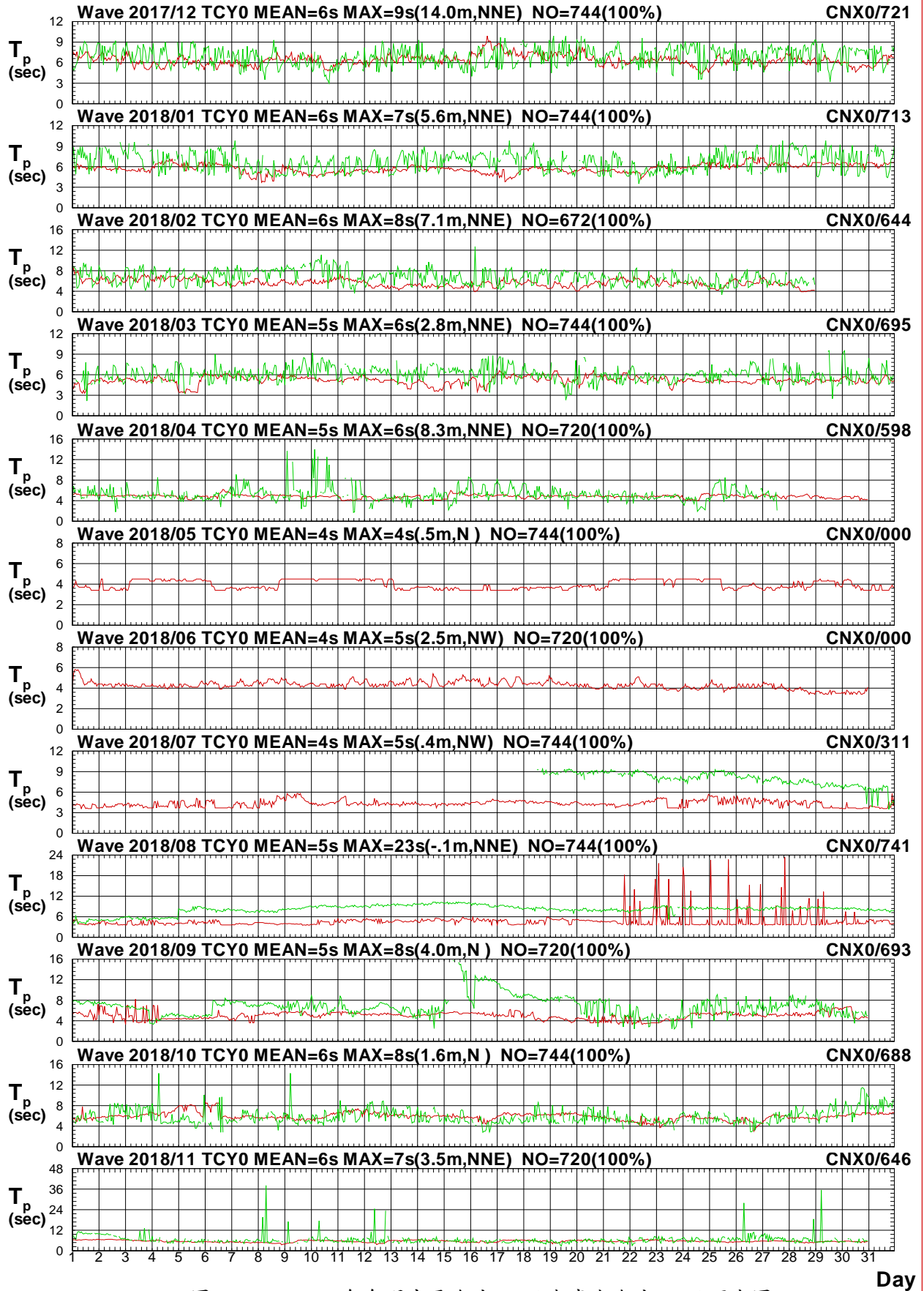


圖2.4.3b 2018年每月中雲海域 Y 站與嘉南海域 X 站週期圖

V17CTCY0.1HA V17CCNX0.1H0 V181TCY0.1HA V181CNX0.1H0 V182TCY0.1HA V182CNX0.1H0
 V183TCY0.1HA V183CNX0.1H0 V184TCY0.1HA V184CNX0.1H0 V185TCY0.1HA V185CNX0.1H0

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Wave Direction in Tai-Chung Harbor of TCY0 at 2018

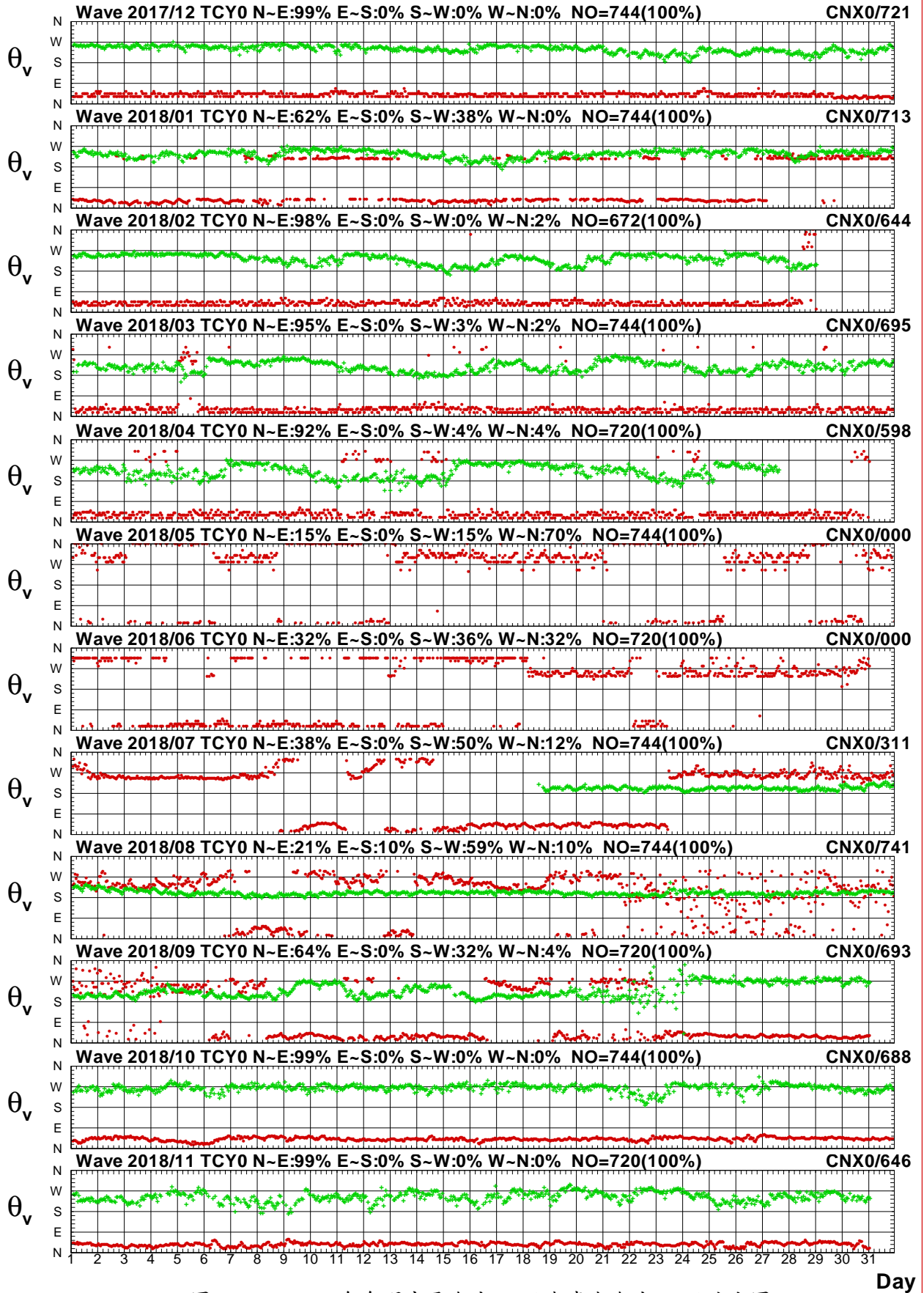


圖2.4.3c 2018年每月中雲海域 Y 站與嘉南海域 X 站波向圖

V17CTCY0.1HA V17CCNX0.1HO V181TCY0.1HA V181CNX0.1HO V182TCY0.1HA V182CNX0.1HO
 V183TCY0.1HA V183CNX0.1HO V184TCY0.1HA V184CNX0.1HO V185TCY0.1HA V185CNX0.1HO

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Wave H_s in Tai-Chung Harbor of TCY0 at 2018

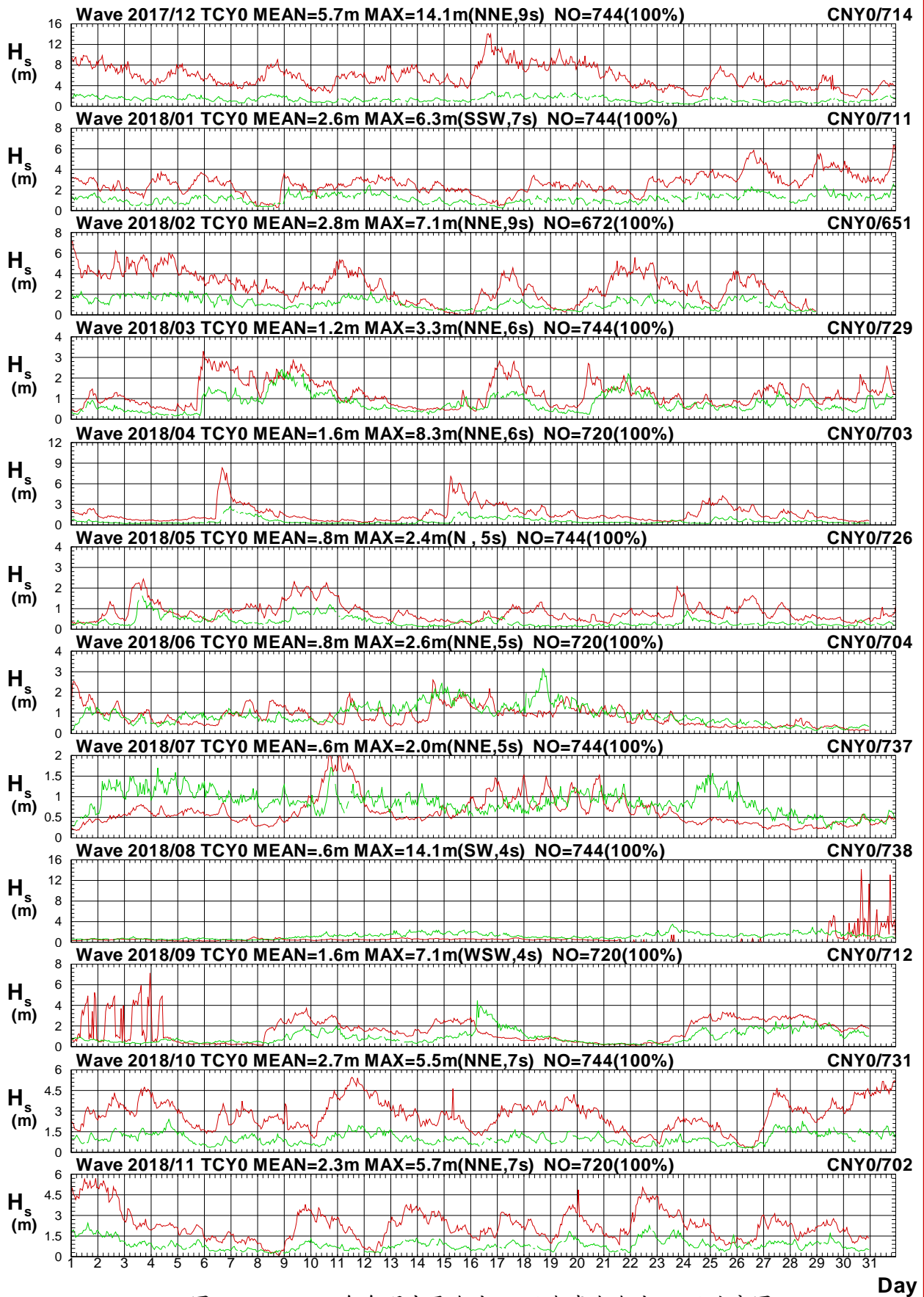


圖2.4.4a 2018年每月中雲海域 Y 站與嘉南海域 Y 站波高圖

V17CTCY0.1HA V17CCNY0.1H0 V181TCY0.1HA V181CNY0.1H0 V182TCY0.1HA V182CNY0.1H0
 V183TCY0.1HA V183CNY0.1H0 V184TCY0.1HA V184CNY0.1H0 V185TCY0.1HA V185CNY0.1H0

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Wave T_p in Tai-Chung Harbor of TCY0 at 2018

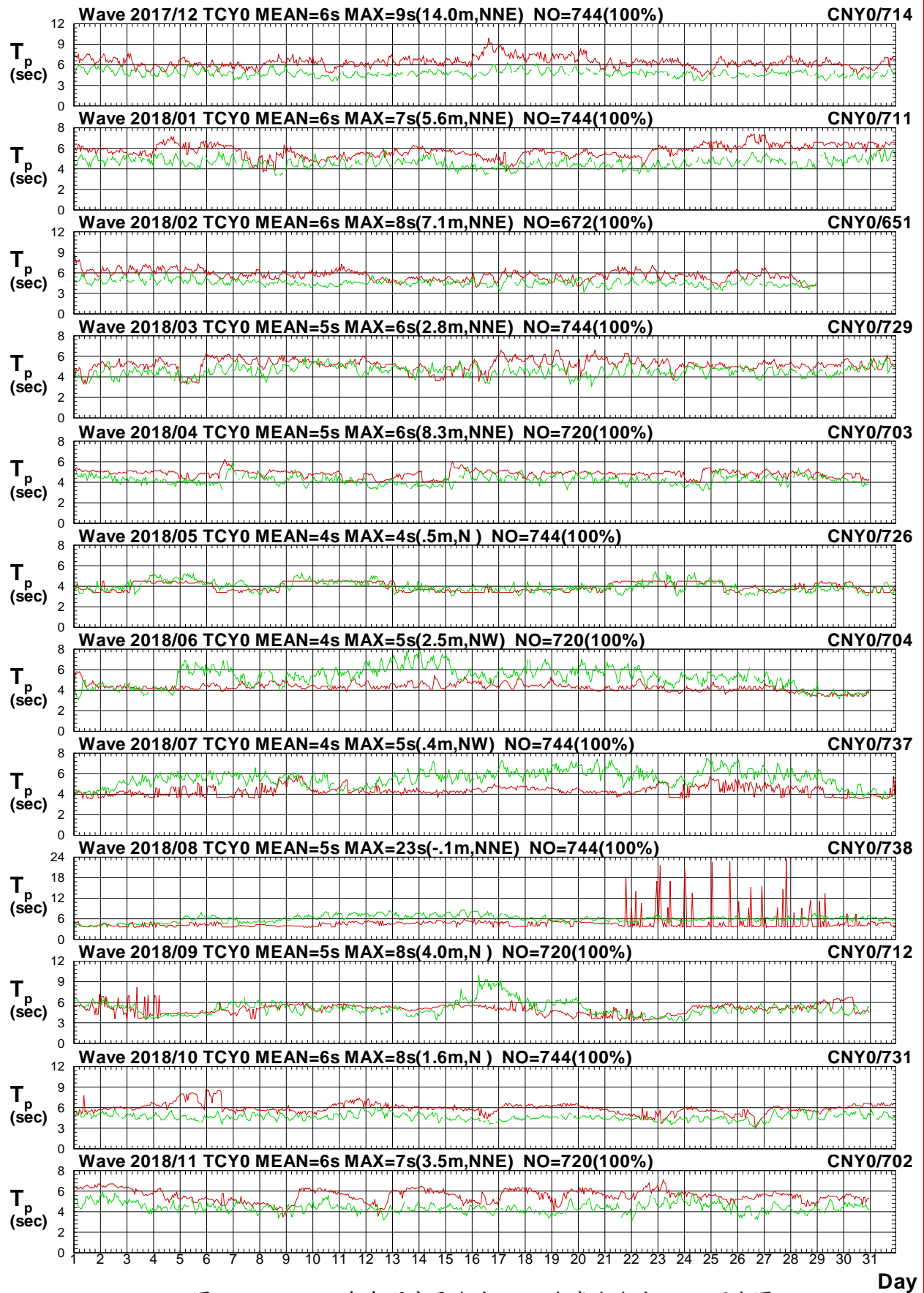


圖2.4.4b 2018年每月中雲海域 Y 站與嘉南海域 Y 站週期圖

V17CTCY0.1HA V17CCNY0.1H0 V181TCY0.1HA V181CNY0.1H0 V182TCY0.1HA V182CNY0.1H0
 V183TCY0.1HA V183CNY0.1H0 V184TCY0.1HA V184CNY0.1H0 V185TCY0.1HA V185CNY0.1H0

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Wave Direction in Tai-Chung Harbor of TCY0 at 2018

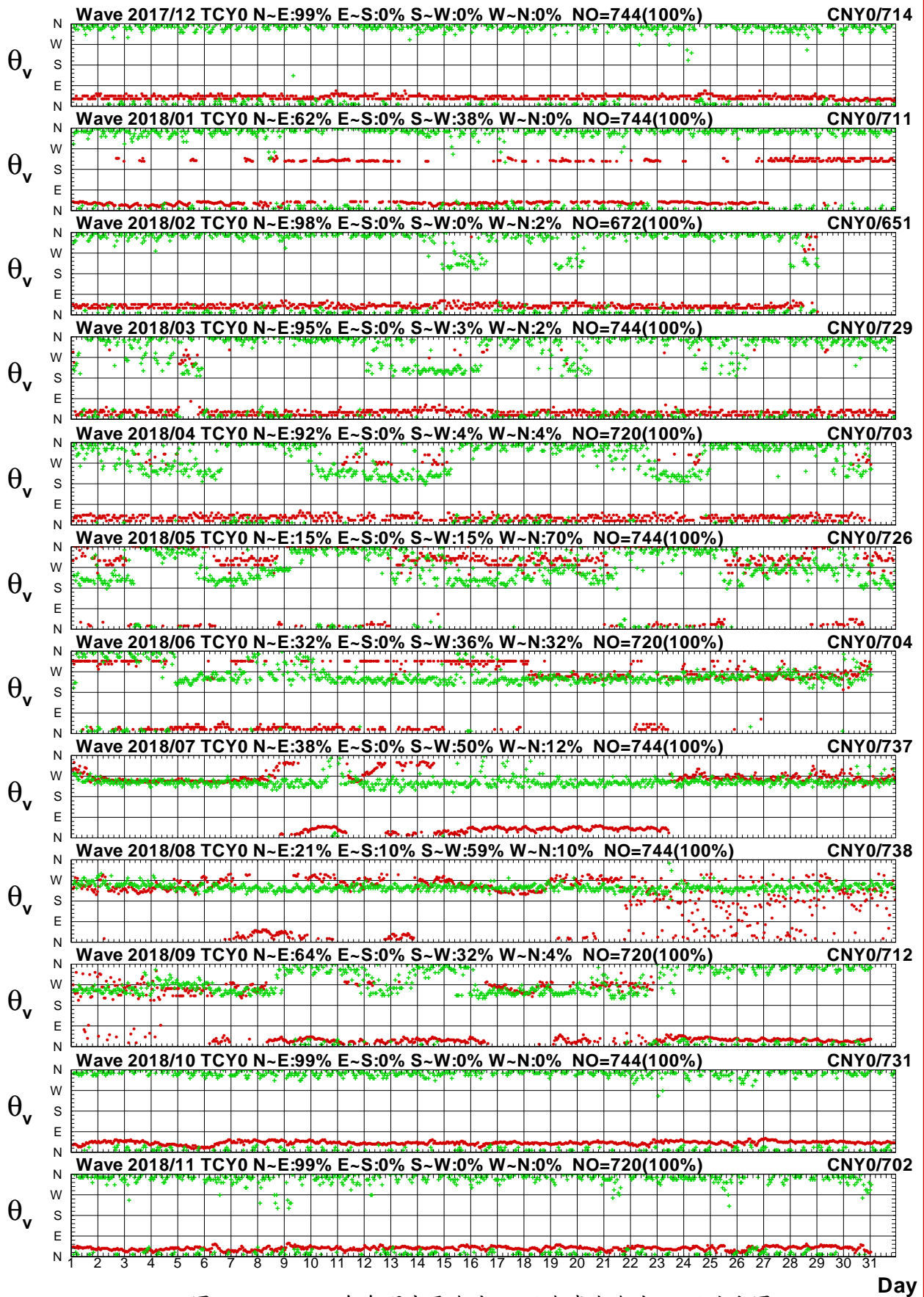


圖2.4.4c 2018年每月中雲海域 Y 站與嘉南海域 Y 站波向圖

V17CTCY0.1HA V17CCNY0.1HO V181TCY0.1HA V181CNY0.1HO V182TCY0.1HA V182CNY0.1HO
 V183TCY0.1HA V183CNY0.1HO V184TCY0.1HA V184CNY0.1HO V185TCY0.1HA V185CNY0.1HO

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Wave H_s in Tai-Chung Harbor of TCY0 at 2018

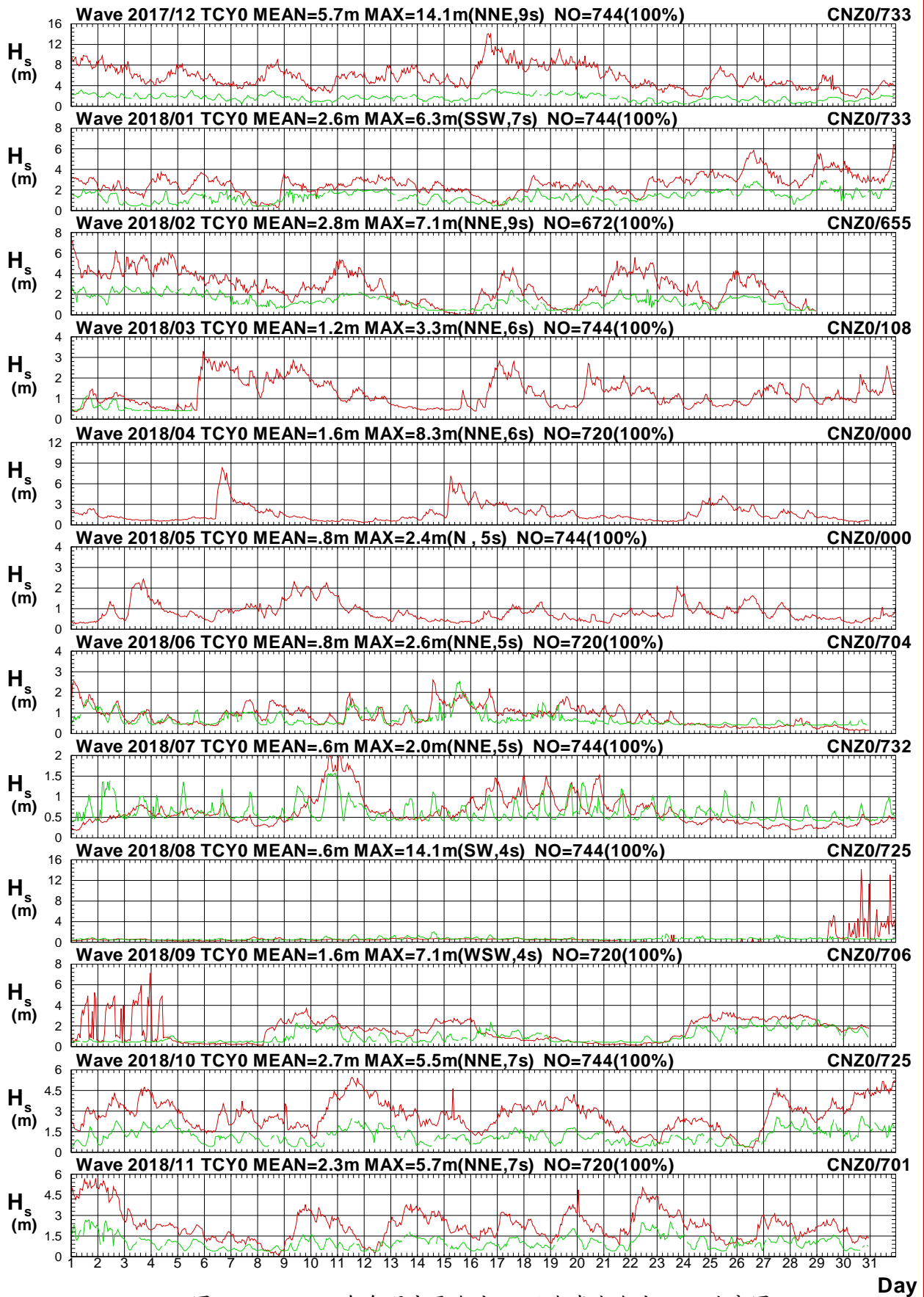


圖2.4.5a 2018年每月中雲海域 Y 站與嘉南海域 Z 站波高圖

V17CTCY0.1HA V17CCNZ0.1HO V181TCY0.1HA V181CNZ0.1HO V182TCY0.1HA V182CNZ0.1HO
 V183TCY0.1HA V183CNZ0.1HO V184TCY0.1HA V184CNZ0.1HO V185TCY0.1HA V185CNZ0.1HO

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Wave T_p in Tai-Chung Harbor of TCY0 at 2018

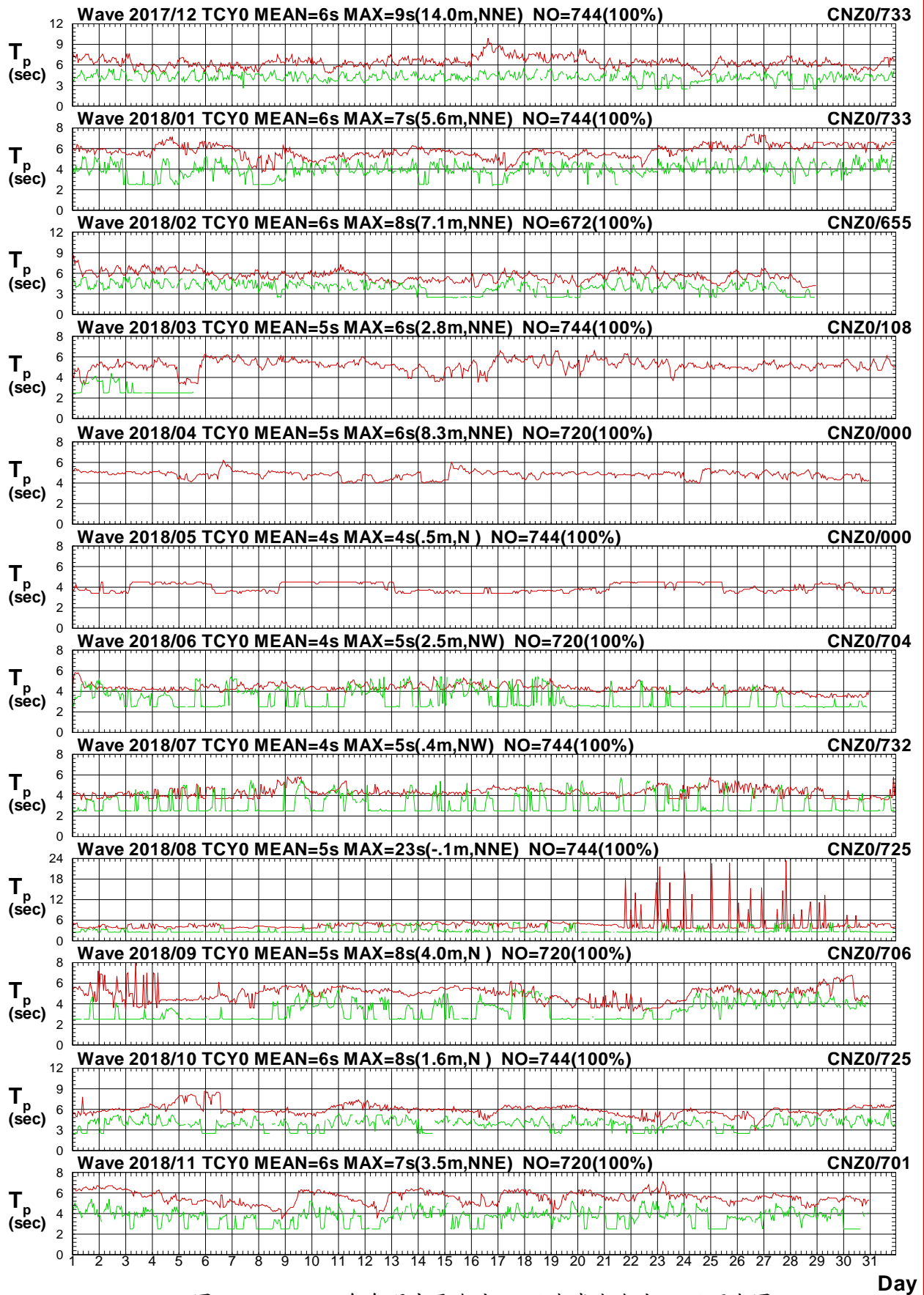


圖2.4.5b 2018年每月中雲海域 Y 站與嘉南海域 Z 站週期圖

V17CTCY0.1HA V17CCNZ0.1H0 V181TCY0.1HA V181CNZ0.1H0 V182TCY0.1HA V182CNZ0.1H0
 V183TCY0.1HA V183CNZ0.1H0 V184TCY0.1HA V184CNZ0.1H0 V185TCY0.1HA V185CNZ0.1H0

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Wave Direction in Tai-Chung Harbor of TCY0 at 2018

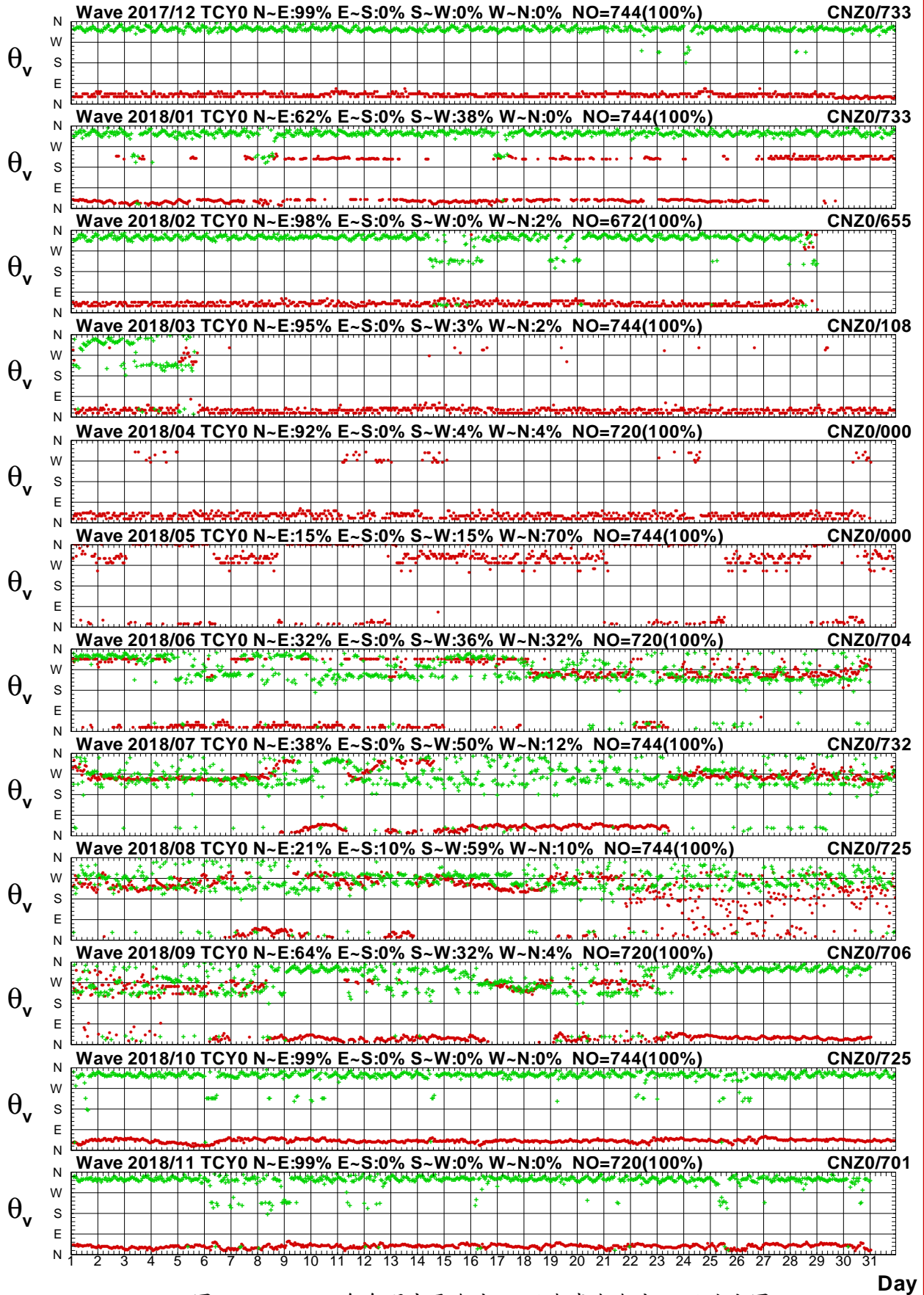


圖2.4.5c 2018年每月中雲海域 Y 站與嘉南海域 Z 站波向圖

V17CTCY0.1HA V17CCNZ0.1H0 V181TCY0.1HA V181CNZ0.1H0 V182TCY0.1HA V182CNZ0.1H0
 V183TCY0.1HA V183CNZ0.1H0 V184TCY0.1HA V184CNZ0.1H0 V185TCY0.1HA V185CNZ0.1H0

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Wave H_s in Tai-Chung Harbor of TCY0 at 2018

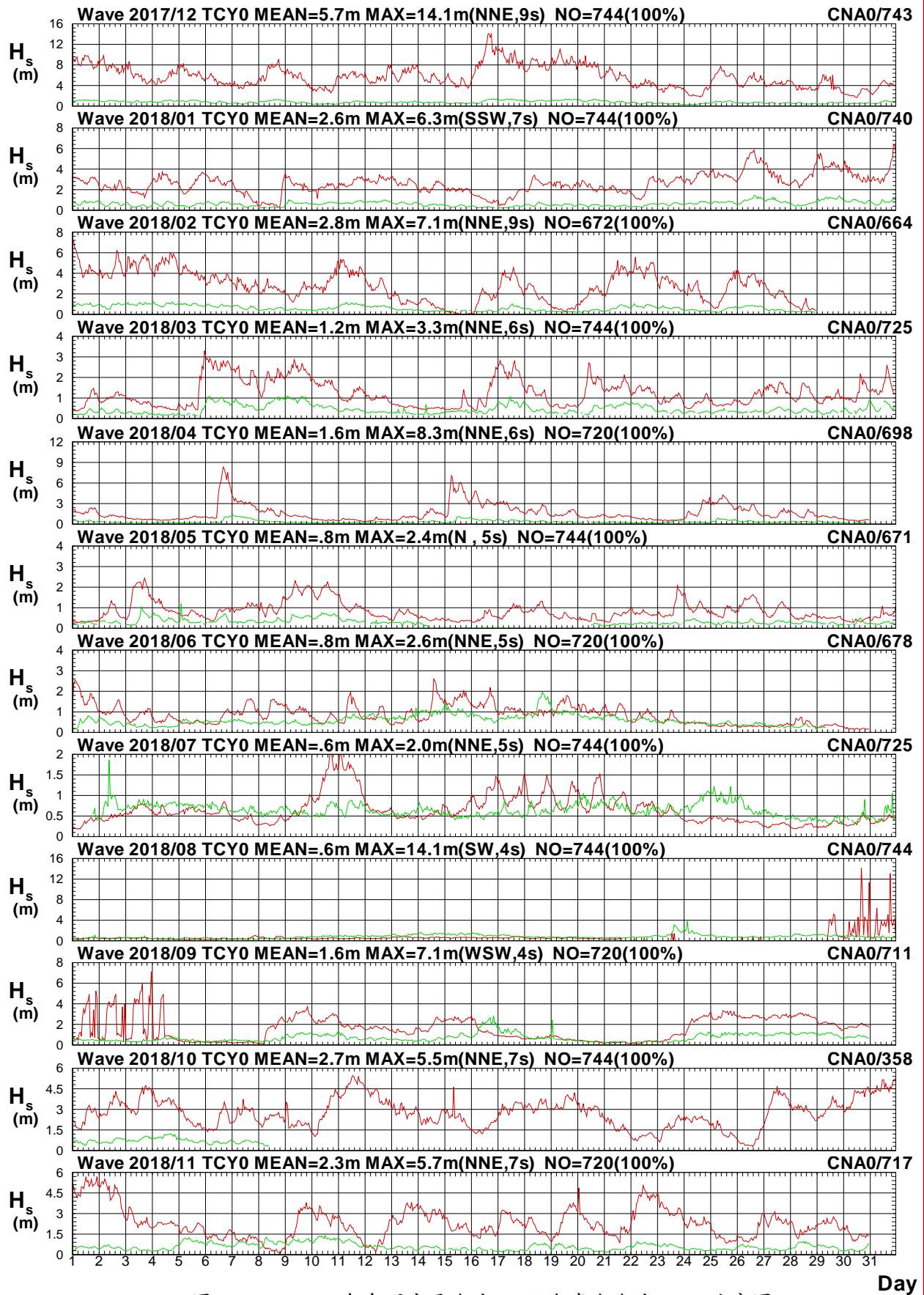


圖2.4.6a 2018年每月中雲海域 Y 站與嘉南海域 A 站波高圖

V17CTCY0.1HA V17CCNA0.1H0 V181TCY0.1HA V181CNA0.1H0 V182TCY0.1HA V182CNA0.1H0
 V183TCY0.1HA V183CNA0.1H0 V184TCY0.1HA V184CNA0.1H0 V185TCY0.1HA V185CNA0.1H0

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Wave T_p in Tai-Chung Harbor of TCY0 at 2018

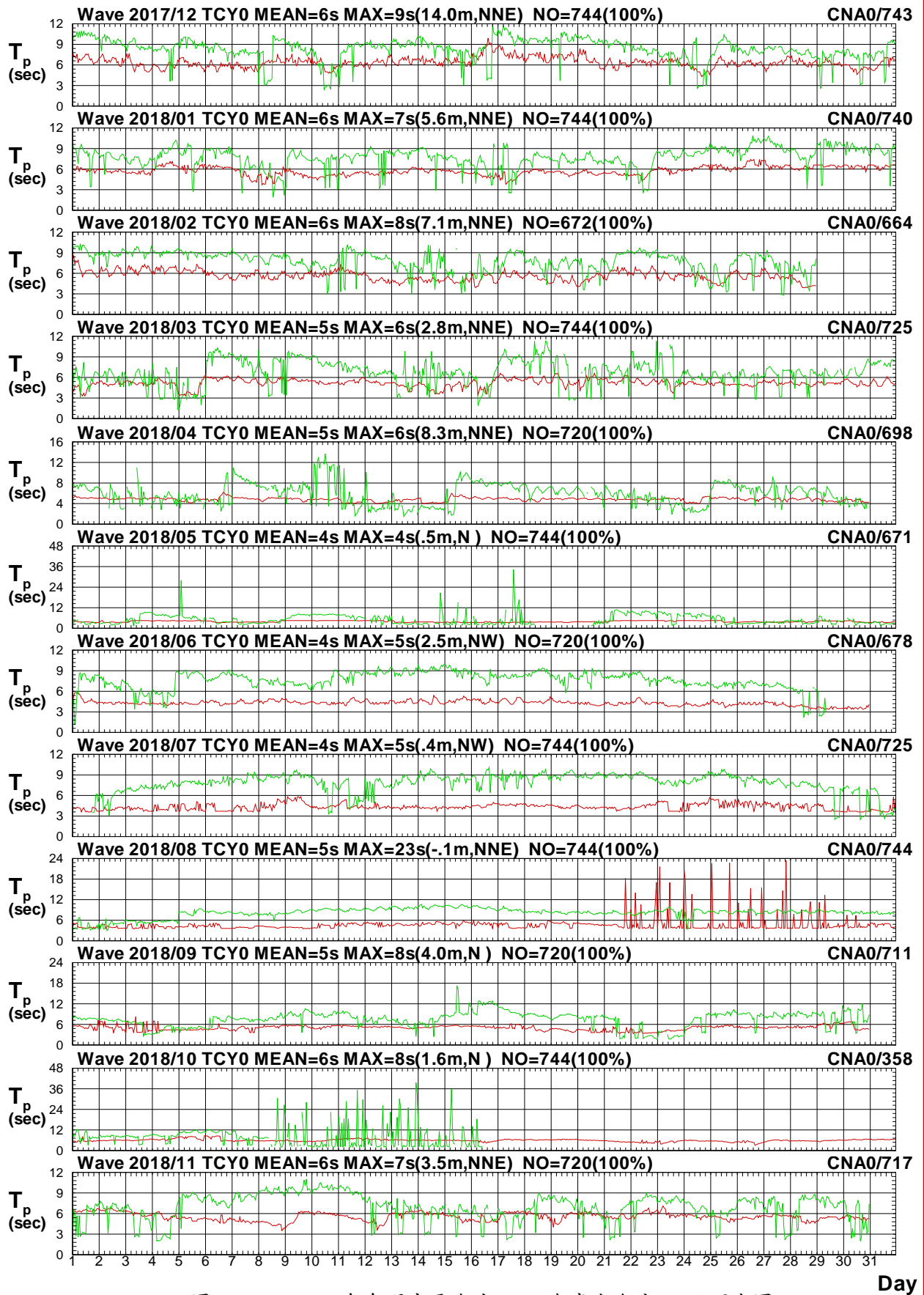


圖2.4.6b 2018年每月中雲海域 Y 站與嘉南海域 A 站週期圖

V17CTCY0.1HA V17CCNA0.1H0 V181TCY0.1HA V181CNA0.1H0 V182TCY0.1HA V182CNA0.1H0
 V183TCY0.1HA V183CNA0.1H0 V184TCY0.1HA V184CNA0.1H0 V185TCY0.1HA V185CNA0.1H0

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Wave Direction in Tai-Chung Harbor of TCY0 at 2018

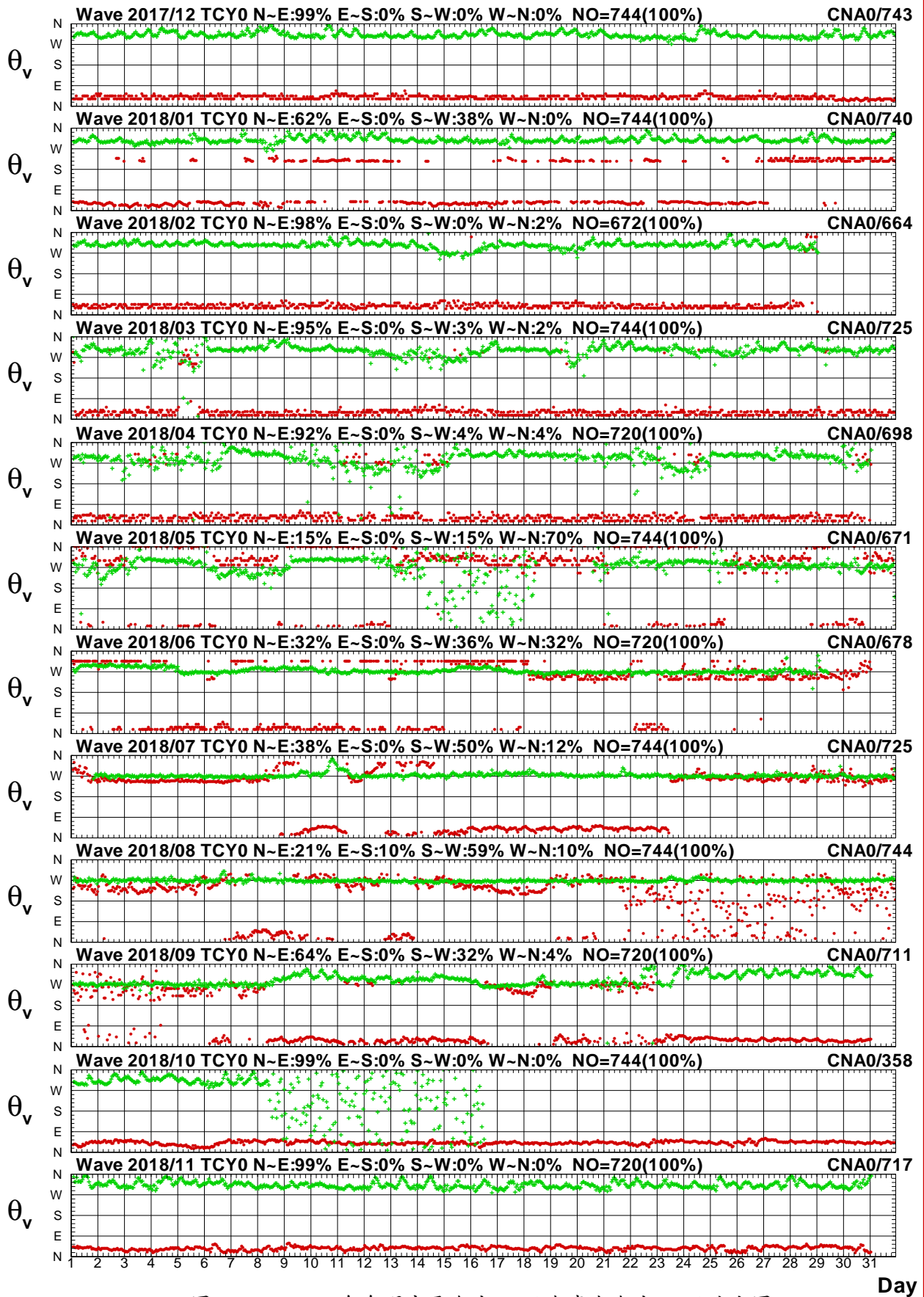


圖2.4.6c 2018年每月中雲海域 Y 站與嘉南海域 A 站波向圖

V17CTCY0.1HA V17CCNA0.1H0 V181TCY0.1HA V181CNA0.1H0 V182TCY0.1HA V182CNA0.1H0
 V183TCY0.1HA V183CNA0.1H0 V184TCY0.1HA V184CNA0.1H0 V185TCY0.1HA V185CNA0.1H0

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Wave H_s in Tai-Chung Harbor of TCY0 at 2018

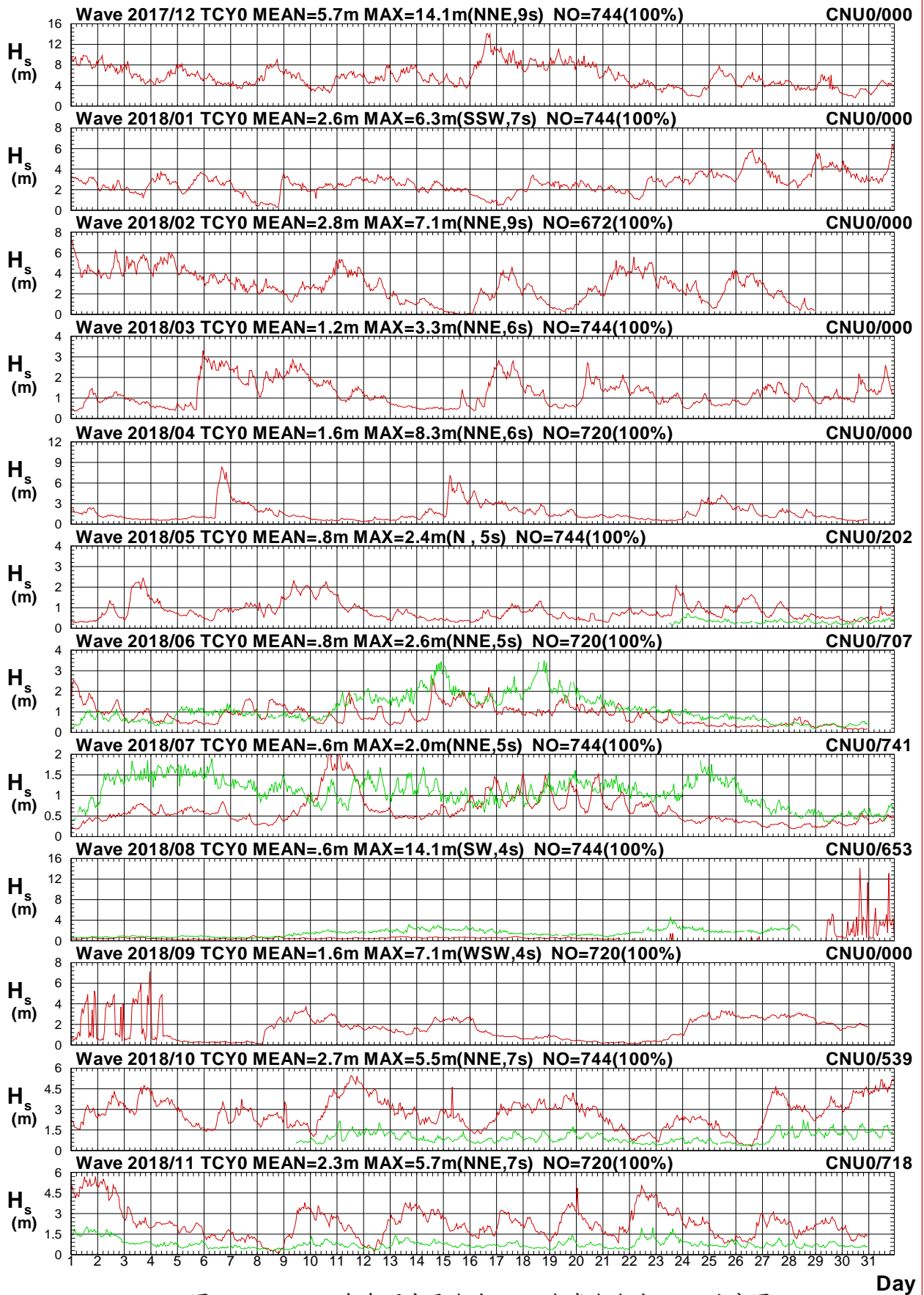


圖2.4.7a 2018年每月中雲海域 Y 站與嘉南海域 U 站波高圖

V17CTCY0.1HA V17CCNU0.1H0 V181TCY0.1HA V181CNU0.1H0 V182TCY0.1HA V182CNU0.1H0
 V183TCY0.1HA V183CNU0.1H0 V184TCY0.1HA V184CNU0.1H0 V185TCY0.1HA V185CNU0.1H0

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Wave T_p in Tai-Chung Harbor of TCY0 at 2018

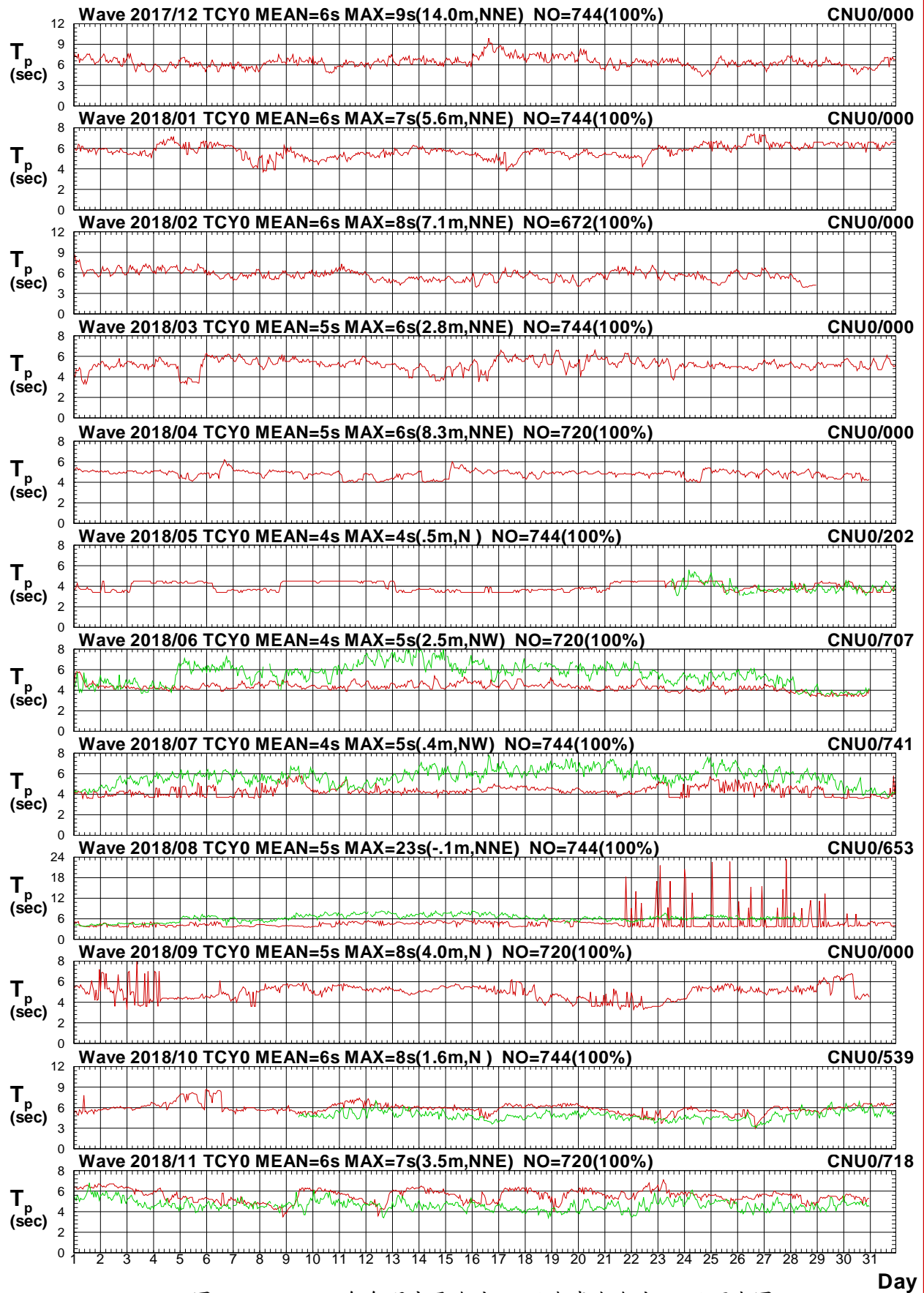


圖2.4.7b 2018年每月中雲海域 Y 站與嘉南海域 U 站週期圖

V17CTCY0.1HA V17CCNU0.1H0 V181TCY0.1HA V181CNU0.1H0 V182TCY0.1HA V182CNU0.1H0
 V183TCY0.1HA V183CNU0.1H0 V184TCY0.1HA V184CNU0.1H0 V185TCY0.1HA V185CNU0.1H0

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Wave Direction in Tai-Chung Harbor of TCY0 at 2018

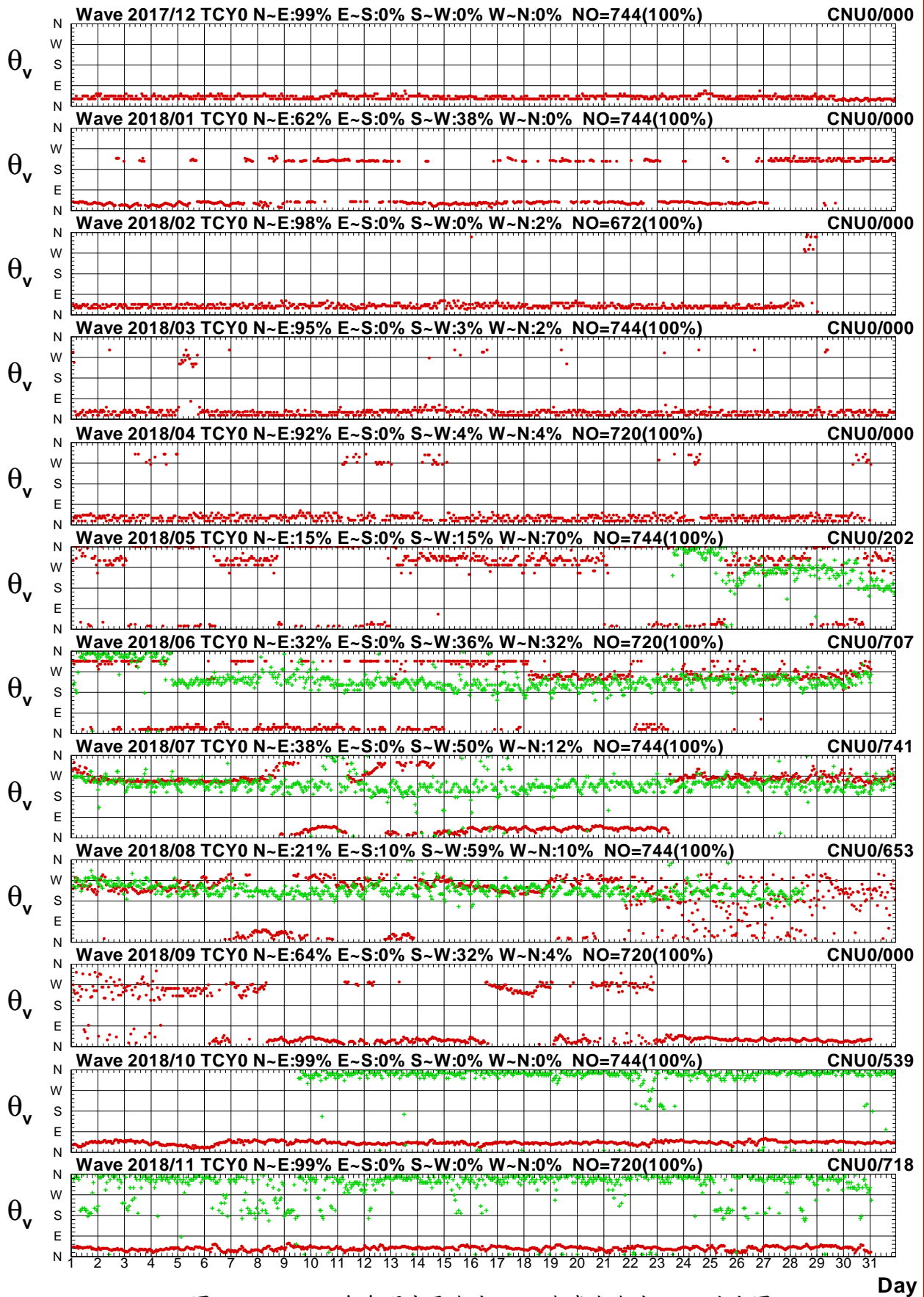


圖2.4.7c 2018年每月中雲海域 Y 站與嘉南海域 U 站波向圖

V17CTCY0.1HA V17CCNU0.1H0 V181TCY0.1HA V181CNU0.1H0 V182TCY0.1HA V182CNU0.1H0
 V183TCY0.1HA V183CNU0.1H0 V184TCY0.1HA V184CNU0.1H0 V185TCY0.1HA V185CNU0.1H0

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Wave H_s in Tai-Chung Harbor of TCY0 at 2018

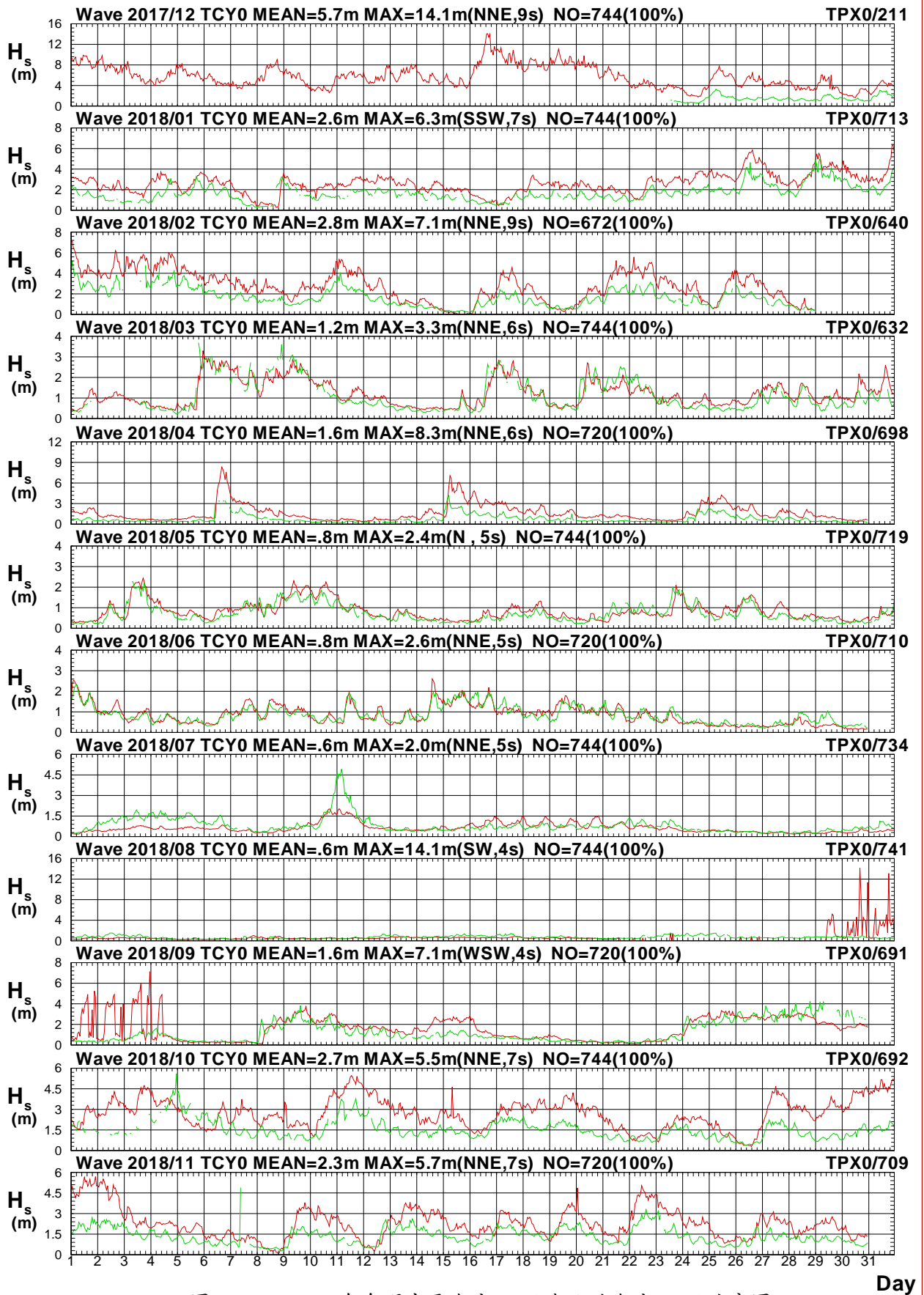


圖2.4.8a 2018年每月中雲海域 Y 站與北苗海域 X 站波高圖

V17CTCY0.1HA V17CTPX0.1HO V181TCY0.1HA V181TPX0.1HO V182TCY0.1HA V182TPX0.1HO
 V183TCY0.1HA V183TPX0.1HO V184TCY0.1HA V184TPX0.1HO V185TCY0.1HA V185TPX0.1HO

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Wave T_p in Tai-Chung Harbor of TCY0 at 2018

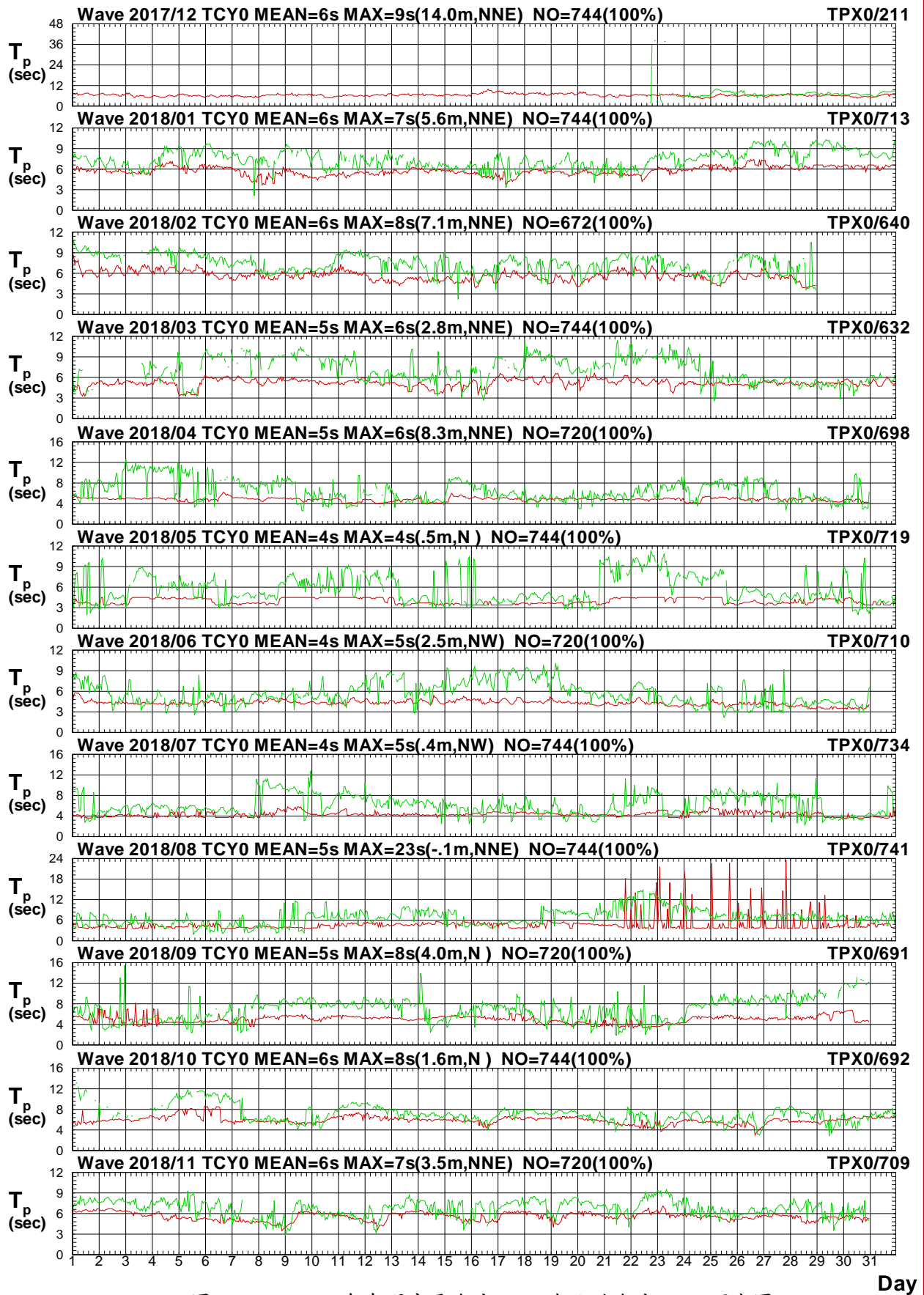


圖2.4.8b 2018年每月中雲海域 Y 站與北苗海域 X 站週期圖

V17CTCY0.1HA V17CTPX0.1H0 V181TCY0.1HA V181TPX0.1H0 V182TCY0.1HA V182TPX0.1H0
 V183TCY0.1HA V183TPX0.1H0 V184TCY0.1HA V184TPX0.1H0 V185TCY0.1HA V185TPX0.1H0

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Wave Direction in Tai-Chung Harbor of TCY0 at 2018

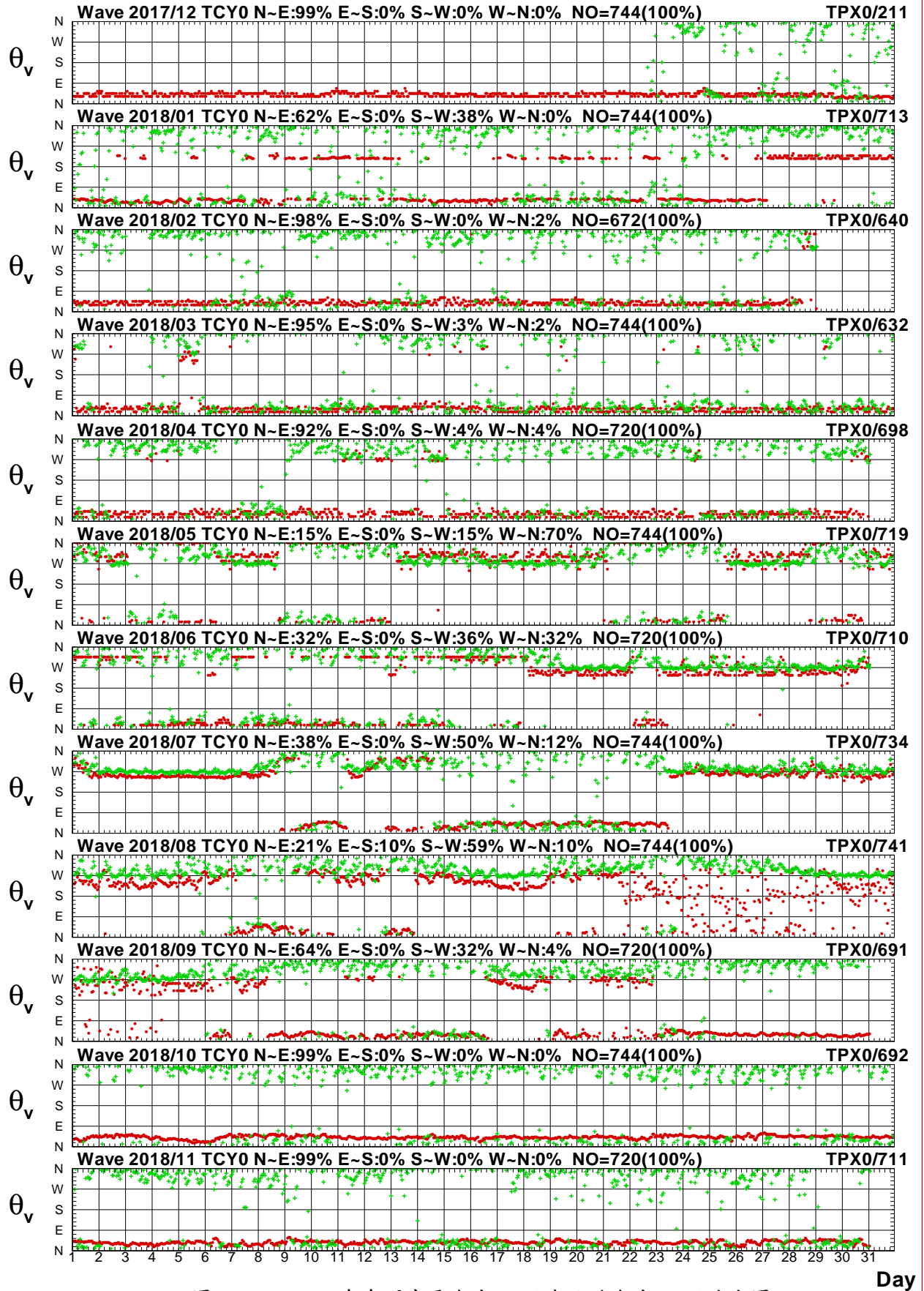


圖2.4.8c 2018年每月中雲海域 Y 站與北苗海域 X 站波向圖

V17CTCY0.1HA V17CTPX0.1HO V181TCY0.1HA V181TPX0.1HO V182TCY0.1HA V182TPX0.1HO
 V183TCY0.1HA V183TPX0.1HO V184TCY0.1HA V184TPX0.1HO V185TCY0.1HA V185TPX0.1HO

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Wave H_s in Tai-Chung Harbor of TCY0 at 2018

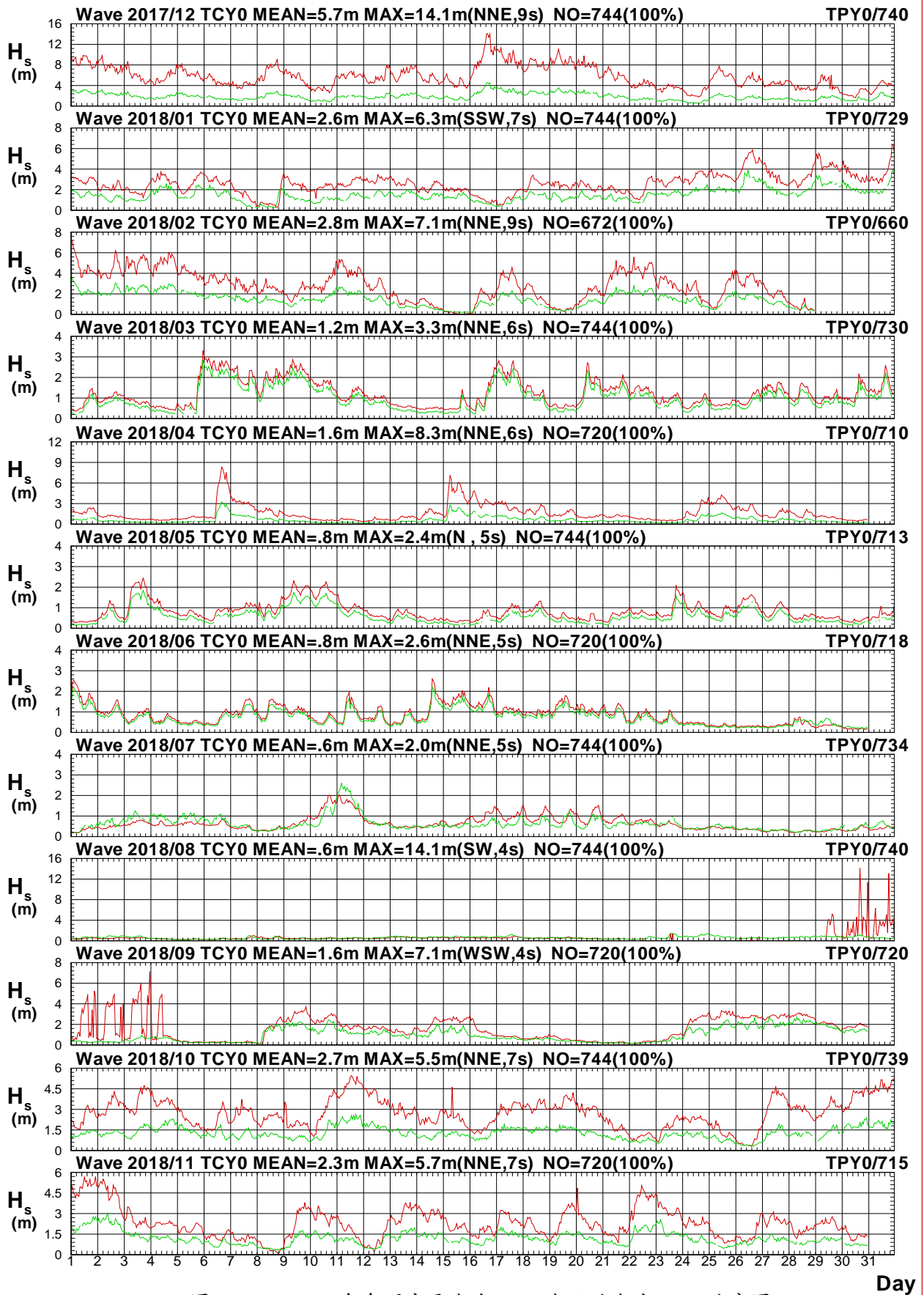


圖2.4.9a 2018年每月中雲海域 Y 站與北苗海域 Y 站波高圖

V17CTCY0.1HA V17CTPY0.1HO V181TCY0.1HA V181TPY0.1HO V182TCY0.1HA V182TPY0.1HO
 V183TCY0.1HA V183TPY0.1HO V184TCY0.1HA V184TPY0.1HO V185TCY0.1HA V185TPY0.1HO

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Wave T_p in Tai-Chung Harbor of TCY0 at 2018

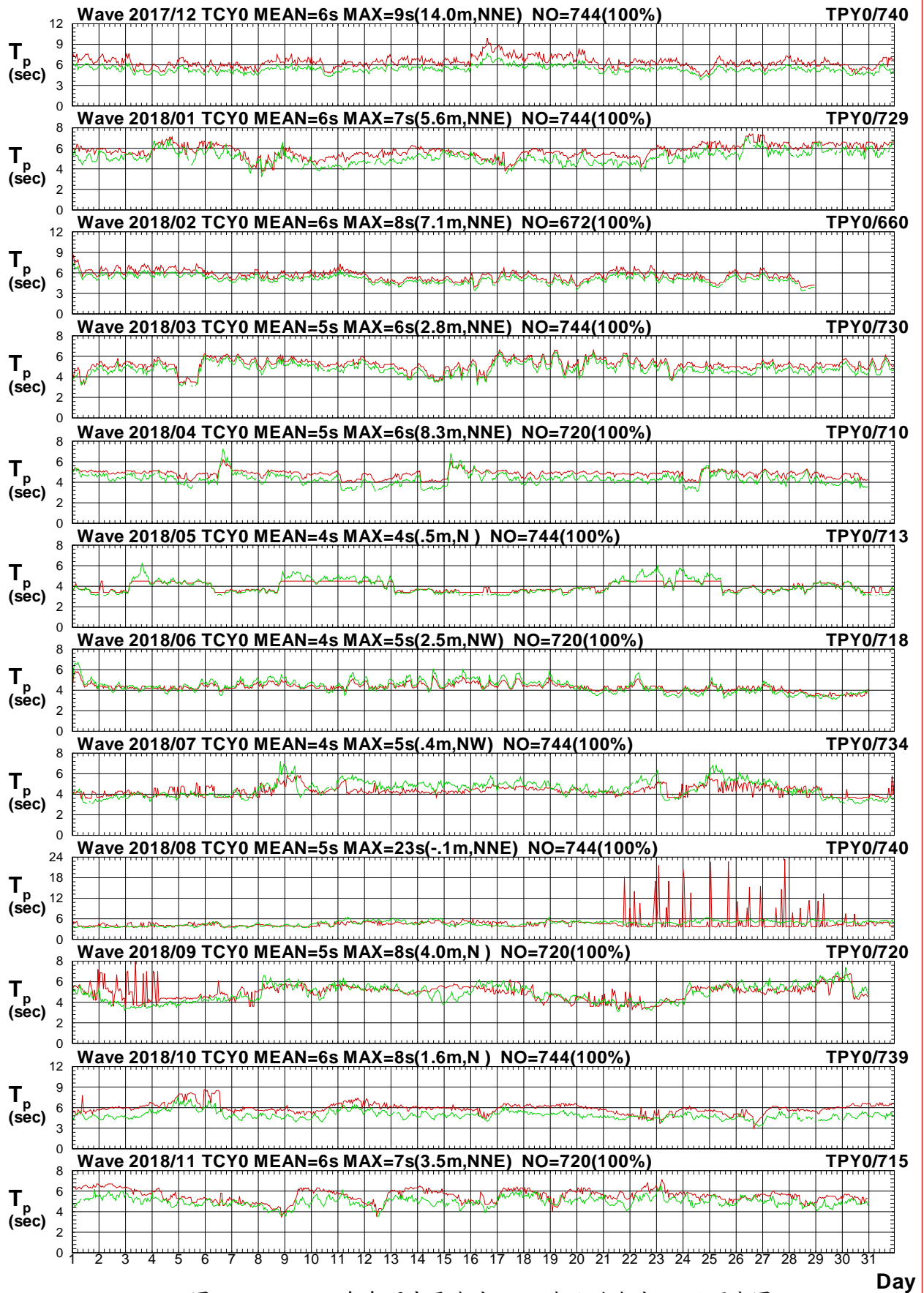


圖2.4.9b 2018年每月中雲海域 Y 站與北苗海域 Y 站週期圖

V17CTCY0.1HA V17CTPY0.1HO V181TCY0.1HA V181TPY0.1HO V182TCY0.1HA V182TPY0.1HO
 V183TCY0.1HA V183TPY0.1HO V184TCY0.1HA V184TPY0.1HO V185TCY0.1HA V185TPY0.1HO

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Wave Direction in Tai-Chung Harbor of TCY0 at 2018

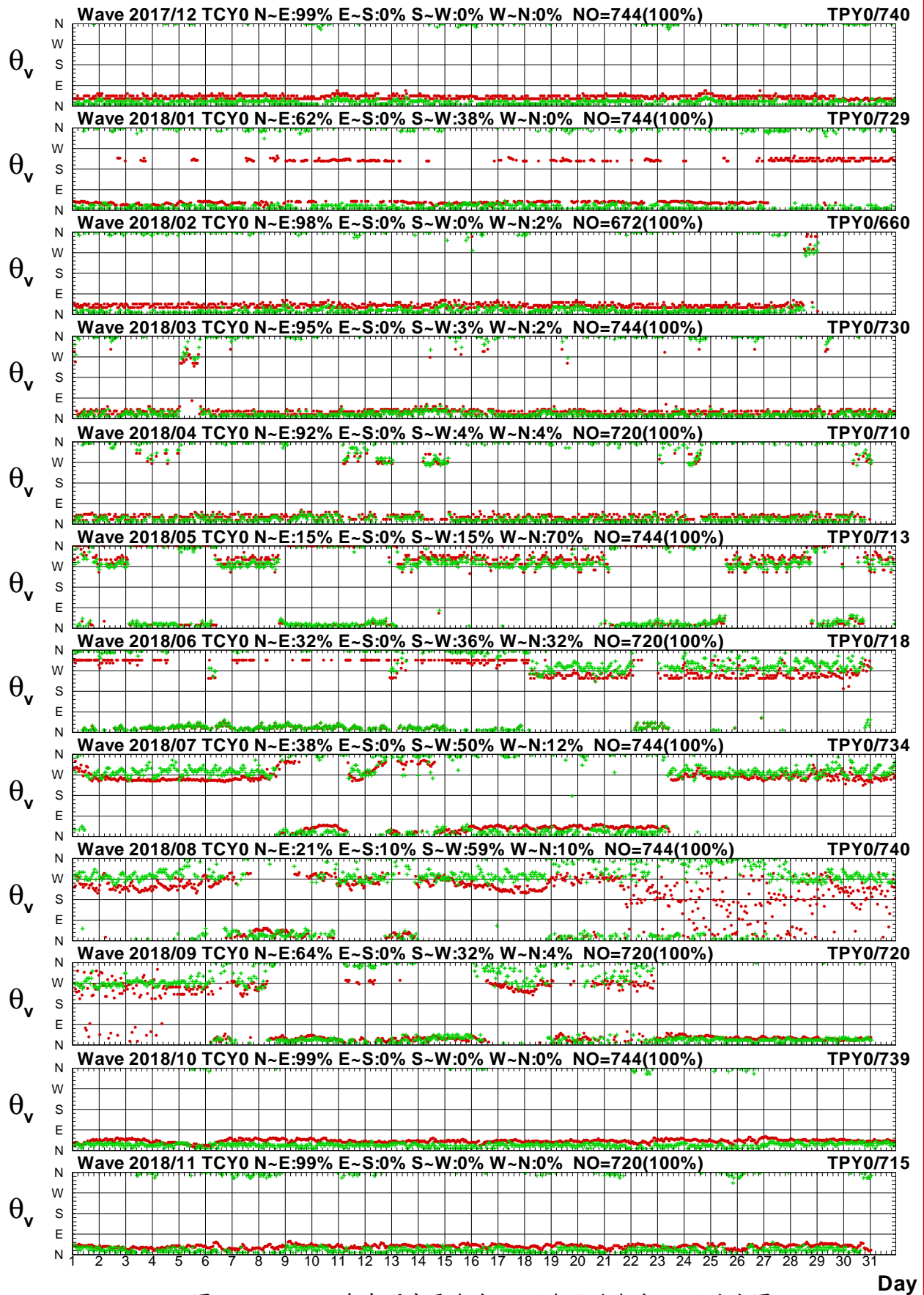


圖2.4.9c 2018年每月中雲海域 Y 站與北苗海域 Y 站波向圖

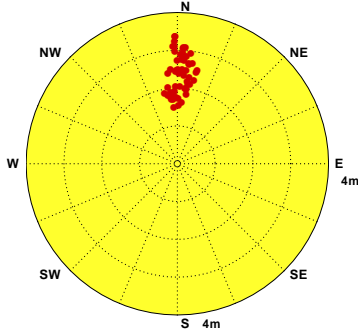
V17CTCY0.1HA V17CTPY0.1HO V181TCY0.1HA V181TPY0.1HO V182TCY0.1HA V182TPY0.1HO
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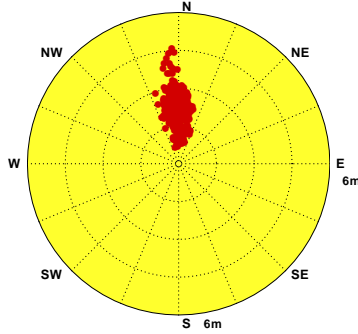
2.5 2018 年中雲海域波浪各測站修補前 波浪向量分佈圖

Distribution of H_s Vectors

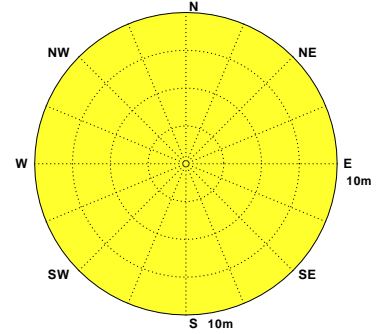
Wave of TCX0 at 2017/12 NO=58(8%)
 Hs : MEAN=2.2m MAX=3.2m(N, 8s)
 N-E:43% E-S:0% S-W:0% W-N:57%



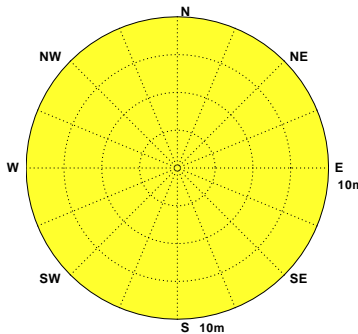
Wave of TCX0 at 2018/01 NO=599(81%)
 Hs : MEAN=2.0m MAX=4.4m(N, 10s)
 N-E:24% E-S:0% S-W:0% W-N:76%



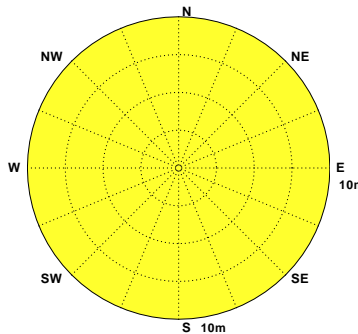
Wave of TCX0 at 2018/02



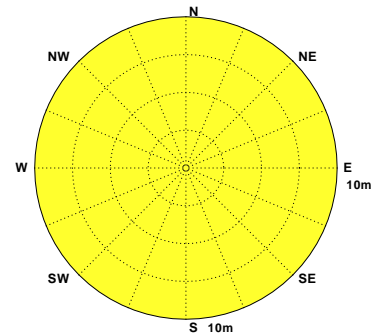
Wave of TCX0 at 2018/03



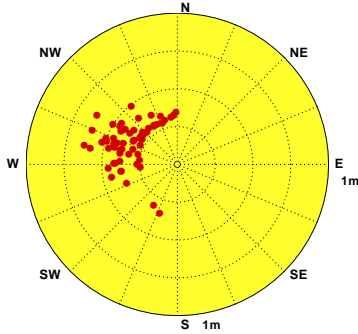
Wave of TCX0 at 2018/04



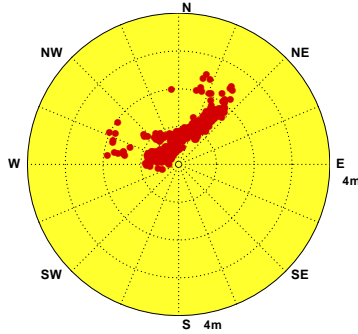
Wave of TCX0 at 2018/05



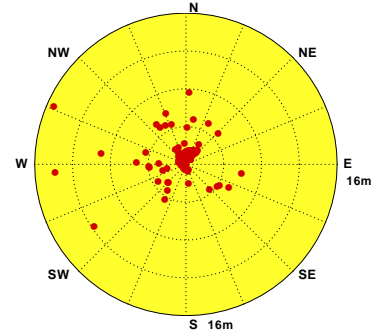
Wave of TCX0 at 2018/06 NO=61(8%)
 Hs : MEAN=.4m MAX=.6m(W, 5s)
 N-E:0% E-S:0% S-W:21% W-N:79%



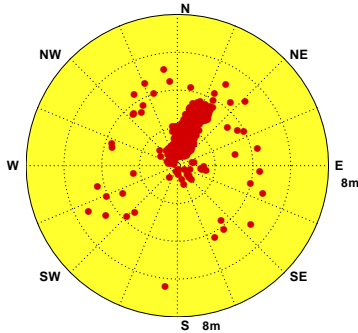
Wave of TCX0 at 2018/07 NO=744(100%)
 Hs : MEAN=.8m MAX=2.3m(NNE,8s)
 N-E:38% E-S:0% S-W:4% W-N:58%



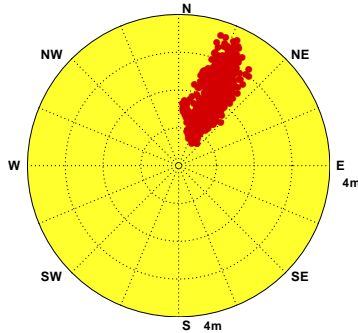
Wave of TCX0 at 2018/08 NO=732(98%)
 Hs : MEAN=.7m MAX=15.5m(WNW,6s)
 N-E:21% E-S:6% S-W:12% W-N:61%



Wave of TCX0 at 2018/09 NO=671(93%)
 Hs : MEAN=1.7m MAX=6.7m(S, 5s)
 N-E:68% E-S:3% S-W:3% W-N:26%



Wave of TCX0 at 2018/10 NO=740(99%)
 Hs : MEAN=1.9m MAX=3.5m(NNE,8s)
 N-E:99% E-S:0% S-W:0% W-N:0%



Wave of TCX0 at 2018/11 NO=703(98%)
 Hs : MEAN=1.7m MAX=3.7m(NNE,9s)
 N-E:98% E-S:0% S-W:0% W-N:2%

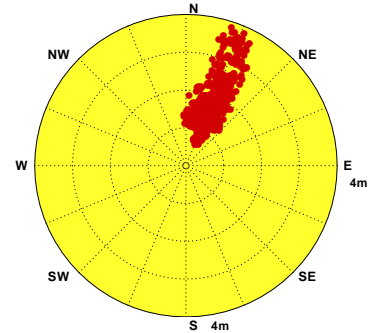


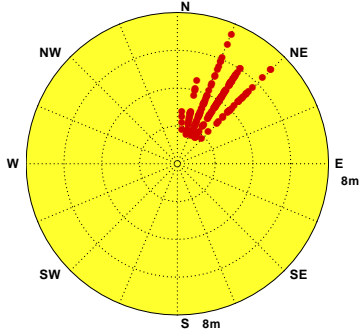
圖2.5.1 2018年中雲海域每月 X 站修補前觀測波高向量分佈圖

V17CTCX0.1H0 V181TCX0.1H0 V182TCX0.1H0 V183TCX0.1H0 V184TCX0.1H0 V185TCX0.1H0
 V186TCX0.1H0 V187TCX0.1H0 V188TCX0.1H0 V189TCX0.1H0 V18ATCX0.1H0 V18BTCX0.1H0

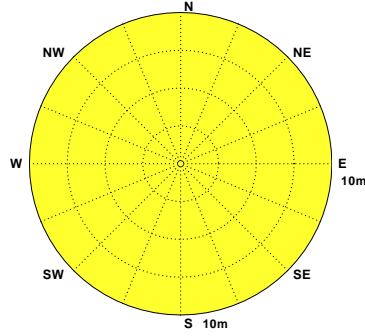
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Distribution of H_s Vectors

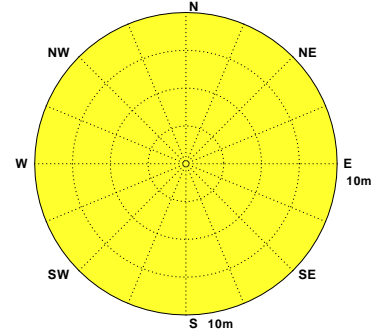
Wave of TCU0 at 2017/12 NO=195(26%)
 H_s : MEAN=3.5m MAX=7.1m(NNE,9s)
 N-E:99% E-S:0% S-W:0% W-N:0%



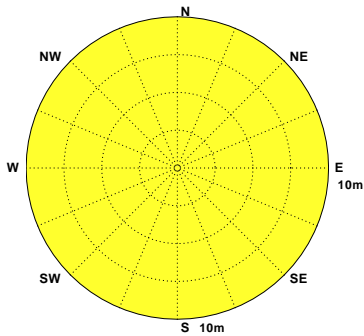
Wave of TCU0 at 2018/01



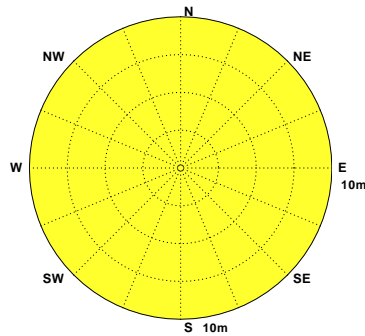
Wave of TCU0 at 2018/02



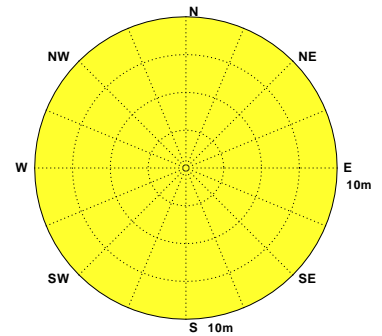
Wave of TCU0 at 2018/03



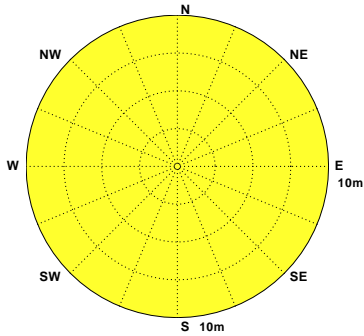
Wave of TCU0 at 2018/04



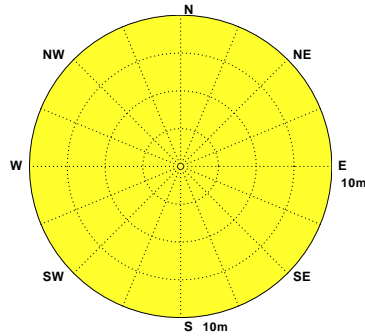
Wave of TCU0 at 2018/05



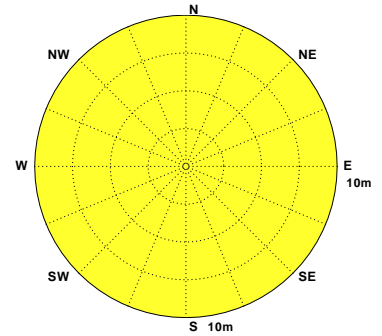
Wave of TCU0 at 2018/06



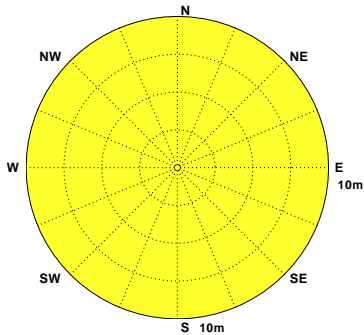
Wave of TCU0 at 2018/07



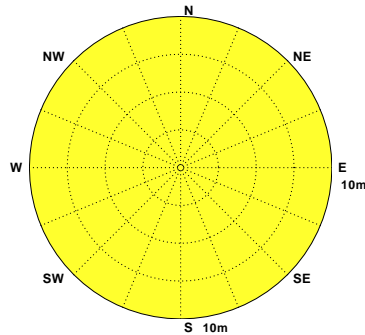
Wave of TCU0 at 2018/08



Wave of TCU0 at 2018/09



Wave of TCU0 at 2018/10



Wave of TCU0 at 2018/11

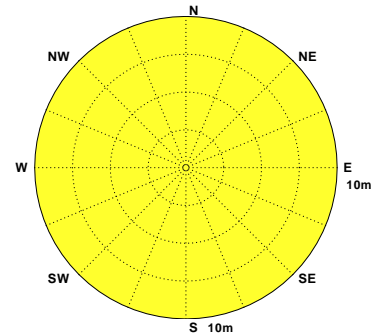


圖2.5.2 2018年中雲海域每月U站修補前觀測波高向量分佈圖

V17CTCU0.1H0 V181TCU0.1H0 V182TCU0.1H0 V183TCU0.1H0 V184TCU0.1H0 V185TCU0.1H0
 V186TCU0.1H0 V187TCU0.1H0 V188TCU0.1H0 V189TCU0.1H0 V18ATCU0.1H0 V18BTCU0.1H0

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第三章 2018 年中雲海域觀測潮汐資料年報

中雲海域潮汐之觀測包括測站 **T**、測站 **J**、測站 **X**、測站 **K** 及測站 **P** 等 5 個測站(測站位置如第 O 章圖 TN1)。測站 **T** 與其他 4 個測站特性皆相近。本年報取經檢核及補遺之測站 **T** 資料作為**主要測站 1**，測站 **J** 資料作為**主要測站 2**，測站 **P** 資料作為**主要測站 3**。

3.1 2018 年中雲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 年中雲海域**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 年中雲海域**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 年中雲海域**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 年中雲海域**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 年每月中雲海域修補前各測站觀測潮汐資料紀錄表

海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域
年月/測站	T	J	P	X	K							
2017/12 月	744(100%)	744(100%)	561(75.4%)	58(7.8%)	*	*	*	*	*	*	*	*
2018/ 1 月	744(100%)	734(98.7%)	708(95.2%)	599(80.5%)	*	*	*	*	*	*	*	*
2018/ 2 月	672(100%)	672(100%)	649(96.6%)	*	*	*	*	*	*	*	*	*
2018/ 3 月	744(100%)	744(100%)	684(91.9%)	*	*	*	*	*	*	*	*	*
2018/ 4 月	720(100%)	717(99.6%)	671(93.2%)	*	*	*	*	*	*	*	*	*
2018/ 5 月	744(100%)	721(96.9%)	465(62.5%)	*	*	*	*	*	*	*	*	*
2018/ 6 月	720(100%)	689(95.7%)	667(92.6%)	61(8.5%)	*	*	*	*	*	*	*	*
2018/ 7 月	744(100%)	711(95.6%)	706(94.9%)	744(100%)	*	*	*	*	*	*	*	*
2018/ 8 月	744(100%)	744(100%)	723(97.2%)	553(74.3%)	*	*	*	*	*	*	*	*
2018/ 9 月	720(100%)	720(100%)	666(92.5%)	671(93.2%)	*	*	*	*	*	*	*	*
2018/10 月	744(100%)	716(96.2%)	742(99.7%)	740(99.5%)	*	*	*	*	*	*	*	*
2018/11 月	720(100%)	673(93.5%)	669(92.9%)	703(97.6%)	*	*	*	*	*	*	*	*
2018/冬季	2160(100%)	2150(99.5%)	1918(88.8%)	657(30.4%)	*	*	*	*	*	*	*	*
2018/春季	2208(100%)	2182(98.8%)	1820(82.4%)	*	*	*	*	*	*	*	*	*
2018/夏季	2208(100%)	2144(97.1%)	2096(94.9%)	1358(61.5%)	*	*	*	*	*	*	*	*
2018/秋季	2184(100%)	2109(96.6%)	2077(95.1%)	2114(96.8%)	*	*	*	*	*	*	*	*
2018/整年	8760(100%)	8585(98.0%)	7911(90.3%)	4129(47.1%)	*	*	*	*	*	*	*	*
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 3.1.1b 2018年每月中雲海域修補後各測站潮汐資料紀錄表

海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域
年月/測站	T	J	P									
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年中雲海域主要測站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	394	518	467	506	12.4	13.0	13.0	13.0	59	0	275	-260	744(100%)
2	2018/01	T	392	513	470	502	12.4	13.0	13.0	13.0	59	0	288	-262	744(100%)
3	2018/02	T	387	508	466	495	12.4	13.0	13.0	13.0	53	0	257	-259	672(100%)
4	2018/03	T	395	502	476	492	12.4	13.0	13.0	13.0	59	0	267	-267	744(100%)
5	2018/04	T	383	509	463	490	12.4	13.0	13.0	13.0	57	0	243	-270	720(100%)
6	2018/05	T	377	498	446	486	12.4	13.0	13.0	13.0	59	0	236	-263	744(100%)
7	2018/06	T	378	537	454	513	12.4	13.0	13.0	13.0	57	0	263	-277	720(100%)
8	2018/07	T	386	536	464	523	12.4	13.0	13.0	13.0	59	0	257	-280	744(100%)
9	2018/08	T	397	566	484	543	12.4	14.0	13.1	13.2	59	0	278	-288	744(100%)
10	2018/09	T	401	539	490	526	12.4	13.0	13.0	13.0	57	0	264	-286	720(100%)
11	2018/10	T	401	515	485	510	12.4	13.0	13.0	13.0	59	0	267	-285	744(100%)
12	2018/11	T	395	515	479	505	12.4	14.0	13.1	13.2	57	0	253	-278	720(100%)
13	2018/冬	T	391	518	467	499	12.4	13.0	13.0	13.0	171	0	288	-262	2160(100%)
14	2018/春	T	385	509	463	489	12.4	13.0	13.0	13.0	175	0	267	-270	2208(100%)
15	2018/夏	T	387	566	468	524	12.4	14.0	13.0	13.1	175	0	278	-288	2208(100%)
16	2018/秋	T	399	539	485	512	12.4	14.0	13.0	13.1	173	0	267	-286	2184(100%)
17	2018/年	T	390	566	471	507	12.4	14.0	13.0	13.0	694	0	288	-288	8760(100%)

表3.1.3 2018年中雲海域主要測站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	J	281	394	338	383	12.4	13.0	13.0	13.0	59	0	208	-213	744(100%)
2	2018/01	J	282	401	344	389	12.4	13.0	13.0	13.0	59	0	210	-217	744(100%)
3	2018/02	J	278	394	337	366	12.4	13.0	13.0	13.0	53	0	196	-212	672(100%)
4	2018/03	J	280	373	337	361	12.4	13.0	13.0	13.0	59	0	192	-205	744(100%)
5	2018/04	J	269	355	324	345	12.4	13.0	13.0	13.0	57	0	179	-185	720(100%)
6	2018/05	J	266	363	319	351	12.4	13.0	13.0	13.0	59	0	172	-202	744(100%)
7	2018/06	J	269	421	332	397	12.4	13.0	13.0	13.0	57	0	222	-214	720(100%)
8	2018/07	J	273	399	335	394	12.4	14.0	13.1	13.2	59	0	201	-212	744(100%)
9	2018/08	J	277	409	339	393	12.4	14.0	13.2	13.6	59	0	206	-209	744(100%)
10	2018/09	J	282	396	346	379	12.4	14.0	13.1	13.4	57	0	197	-208	720(100%)
11	2018/10	J	285	363	345	361	12.4	14.0	13.1	13.4	59	0	196	-201	744(100%)
12	2018/11	J	284	404	352	383	12.4	14.0	13.1	13.4	57	0	191	-228	720(100%)
13	2018/冬	J	280	401	339	378	12.4	13.0	13.0	13.0	171	0	210	-217	2160(100%)
14	2018/春	J	272	373	328	351	12.4	13.0	13.0	13.0	175	0	192	-205	2208(100%)
15	2018/夏	J	273	421	335	392	12.4	14.0	13.1	13.2	175	0	222	-214	2208(100%)
16	2018/秋	J	284	404	348	374	12.4	14.0	13.1	13.4	173	0	197	-228	2184(100%)
17	2018/年	J	277	421	338	375	12.4	14.0	13.0	13.1	694	0	222	-228	8760(100%)

表3.1.4 2018年中雲海域主要測站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	P	345	483	398	457	13.1	25.0	15.6	20.4	56	0	301	-277	744(100%)
2	2018/01	P	333	453	377	408	12.6	25.0	14.3	16.2	58	0	262	-205	744(100%)
3	2018/02	P	322	468	370	401	13.2	25.0	15.9	21.8	47	0	245	-244	672(100%)
4	2018/03	P	336	471	390	429	12.8	24.0	14.3	18.0	57	0	280	-226	744(100%)
5	2018/04	P	316	529	391	439	14.8	27.0	19.9	26.0	42	0	342	-317	720(100%)
6	2018/05	P	299	450	377	430	14.4	27.0	19.7	25.5	43	0	215	-252	744(100%)
7	2018/06	P	272	332	317	330	16.0	25.0	23.6	25.0	34	0	226	-231	720(100%)
8	2018/07	P	285	413	333	356	14.4	26.0	18.5	25.0	51	0	226	-232	744(100%)
9	2018/08	P	292	521	348	415	14.5	25.0	18.9	25.0	48	0	399	-183	744(100%)
10	2018/09	P	285	462	346	398	14.6	26.0	19.4	25.3	46	0	237	-258	720(100%)
11	2018/10	P	283	336	321	333	17.0	25.0	24.8	25.0	30	0	227	-110	744(100%)
12	2018/11	P	291	435	352	424	16.4	26.0	25.1	26.0	25	0	220	-282	720(100%)
13	2018/冬	P	334	483	382	423	12.9	25.0	15.1	18.6	161	0	302	-277	2160(100%)
14	2018/春	P	319	529	390	431	13.9	27.0	17.6	25.3	142	0	342	-317	2208(100%)
15	2018/夏	P	284	521	335	373	14.8	26.0	19.9	25.1	133	0	399	-232	2208(100%)
16	2018/秋	P	286	462	340	386	15.8	26.0	22.8	25.3	101	0	237	-282	2184(100%)
17	2018/年	P	308	529	371	414	14.2	27.0	18.4	25.2	537	0	399	-317	8760(100%)

Tidal Level in Tai-Chung Harbor of TCT0 at 2018 ¹ ○ 8 ● 15 ● 22 ●

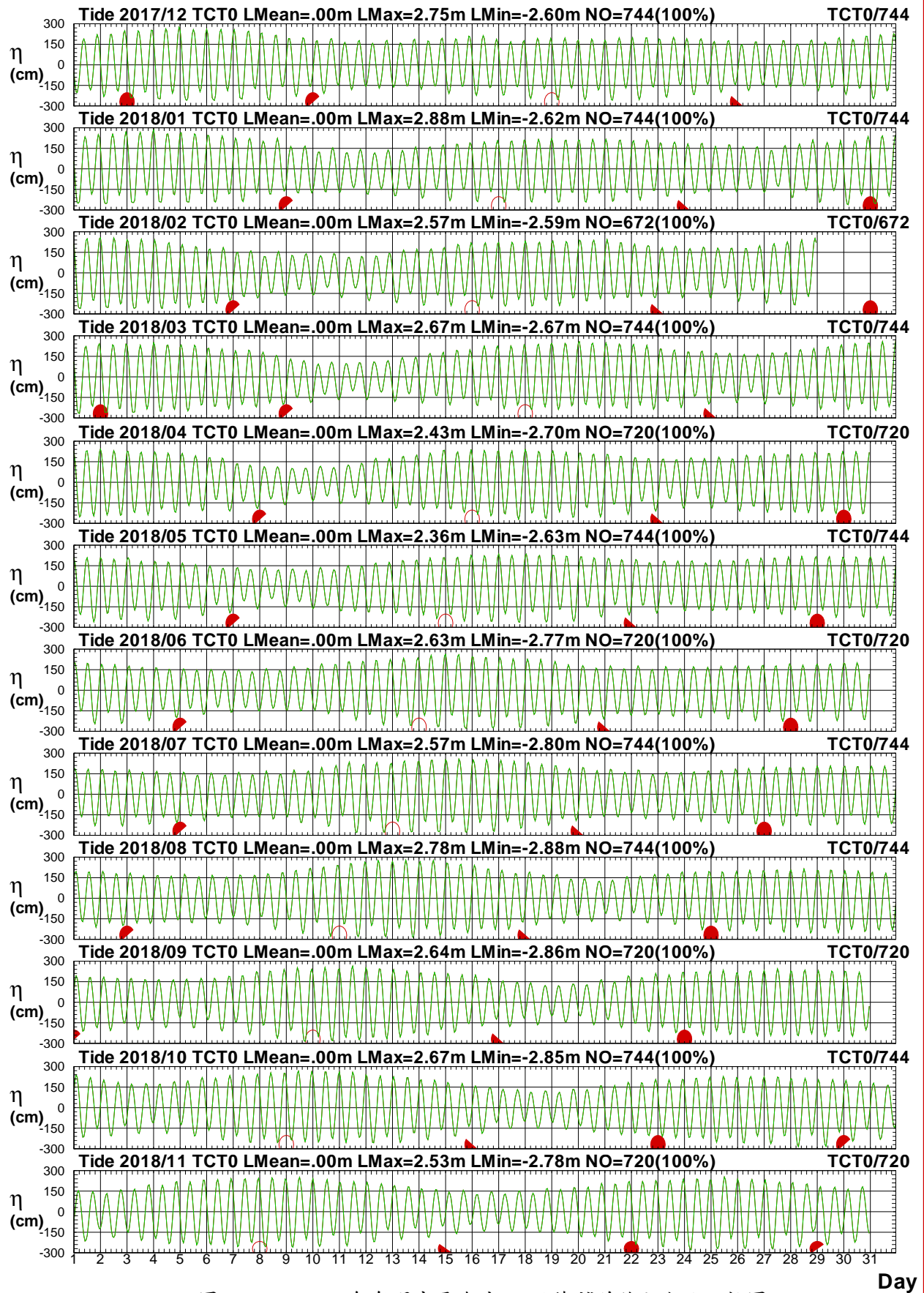


圖3.1.49 2018年每月中雲海域 T 站修補前後之潮位比較圖

T17TCT0.1HA T17TCT0.1H0 T181TCT0.1HA T181TCT0.1H0 T182TCT0.1HA T182TCT0.1H0
 T183TCT0.1HA T183TCT0.1H0 T184TCT0.1HA T184TCT0.1H0 T185TCT0.1HA T185TCT0.1H0

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Tidal Level in Tai-Chung Harbor of TCT0 at 2018 ¹ ○ 8 ● 15 ● 22 ●

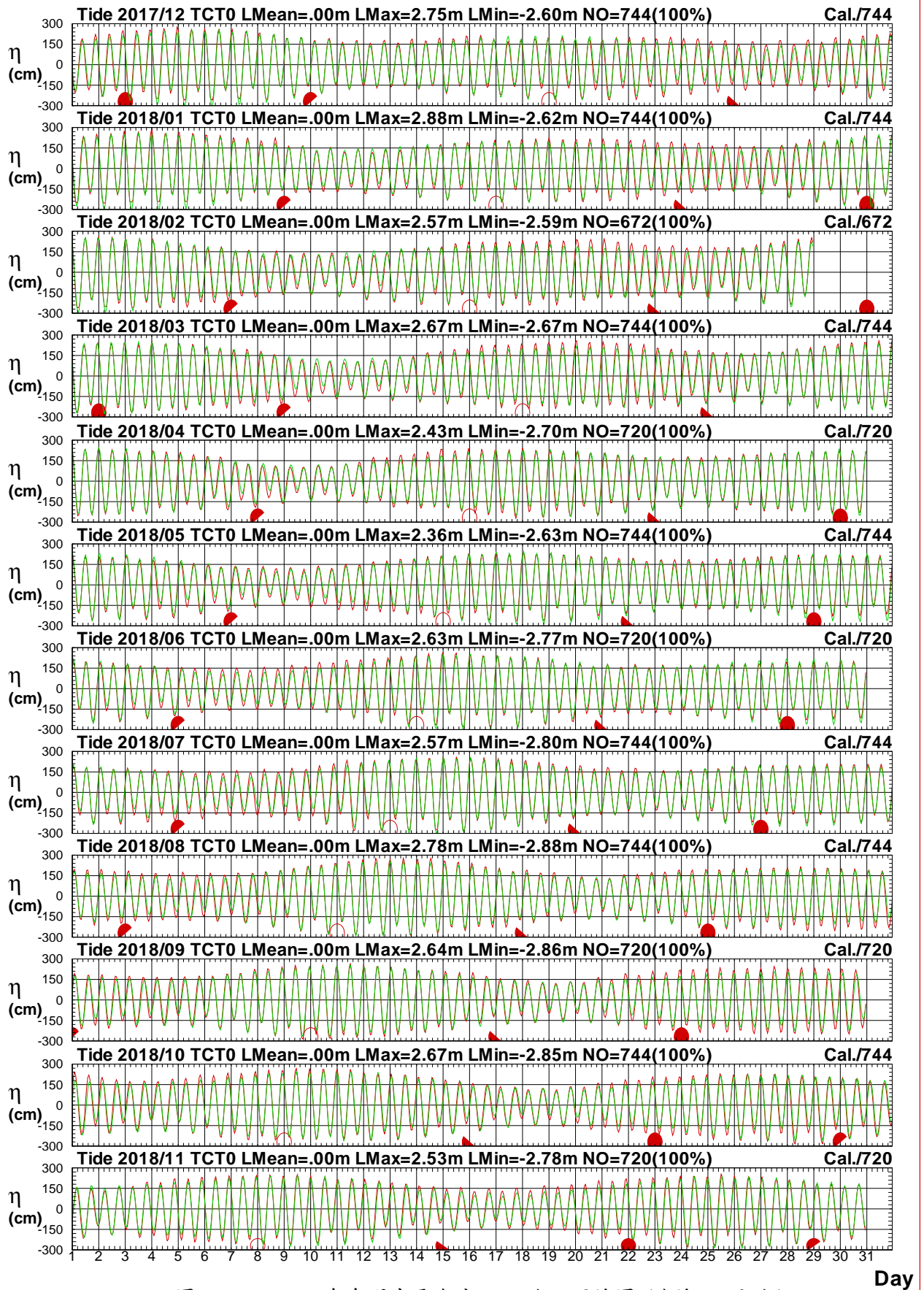


圖3.1.50 2018年每月中雲海域 T 站潮位歷線圖 (綠線: 天文潮)

T17CTCT0.1HA T17CTCT0.1HC T181TCT0.1HA T181TCT0.1HC T182TCT0.1HA T182TCT0.1HC
 T183TCT0.1HA T183TCT0.1HC T184TCT0.1HA T184TCT0.1HC T185TCT0.1HA T185TCT0.1HC

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Tidal Level in Tai-Chung Harbor of TCJ0 at 2018 ¹ ○ ⁸ ● ¹⁵ ● ²² ●

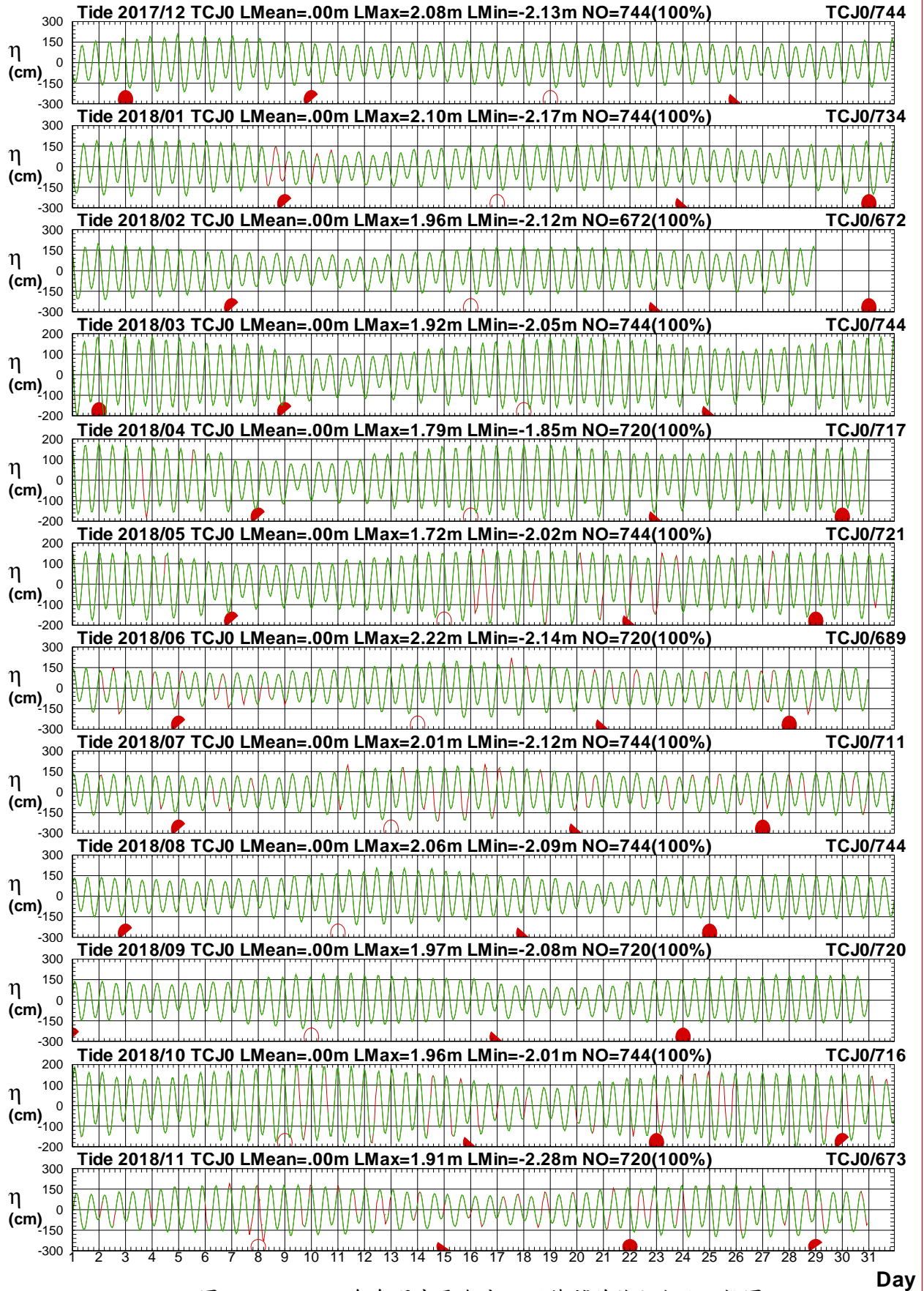


圖3.1.51 2018年每月中雲海域J站修補前後之潮位比較圖

T17CTCJ0.1HA T17CTCJ0.1H0 T181TCJ0.1HA T181TCJ0.1H0 T182TCJ0.1HA T182TCJ0.1H0
 T183TCJ0.1HA T183TCJ0.1H0 T184TCJ0.1HA T184TCJ0.1H0 T185TCJ0.1HA T185TCJ0.1H0

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Tidal Level in Tai-Chung Harbor of TCJ0 at 2018 1 ○ 8 ● 15 ● 22 ●

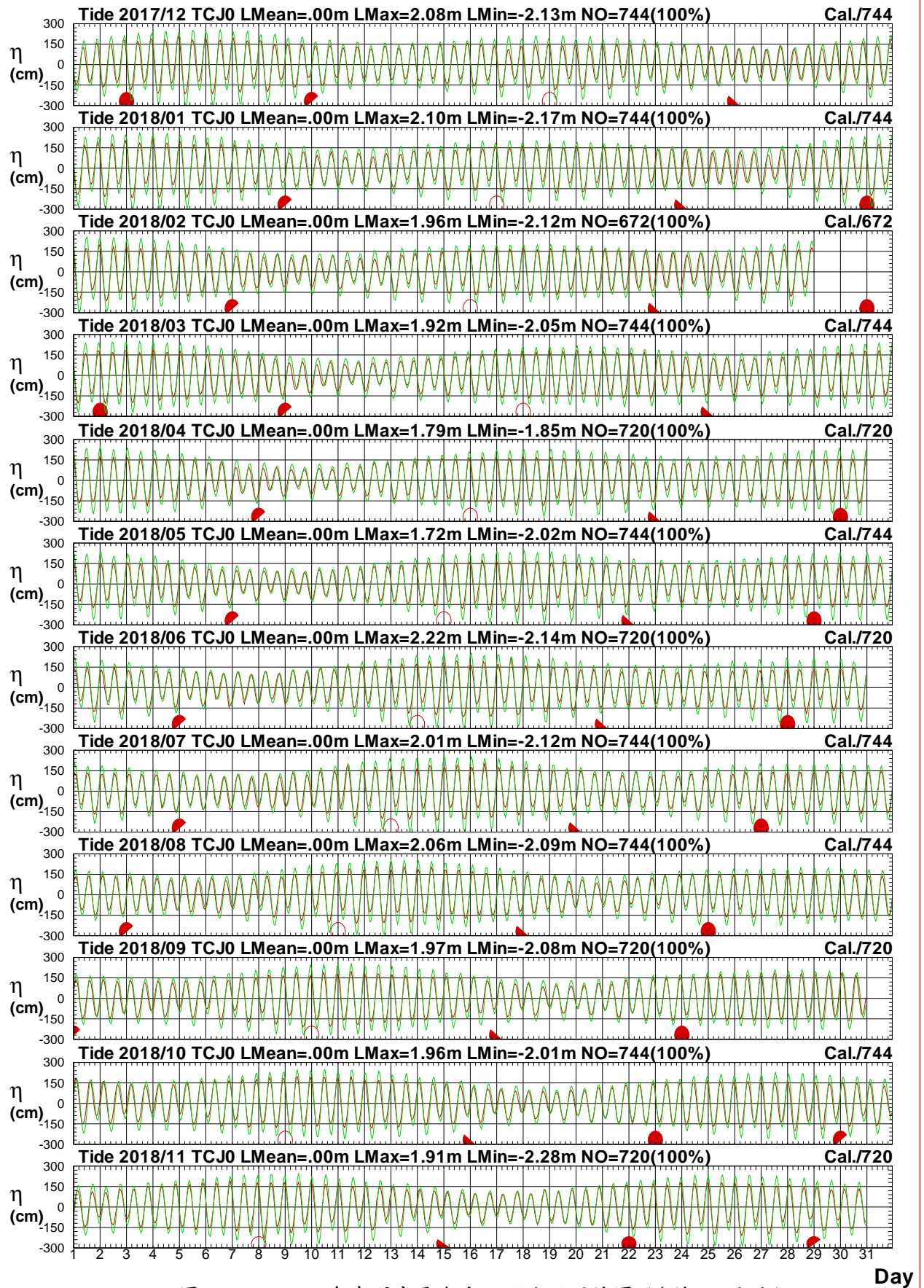


圖3.1.52 2018年每月中雲海域J站潮位歷線圖 (綠線: 天文潮)

T17CTCJ0.1HA T17CTCT0.1HC T181TCJ0.1HA T181TCT0.1HC T182TCJ0.1HA T182TCT0.1HC
 T183TCJ0.1HA T183TCT0.1HC T184TCJ0.1HA T184TCT0.1HC T185TCJ0.1HA T185TCT0.1HC

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Tidal Level in Tai-Chung Harbor of TCP0 at 2018 ¹ ○ 8 ● 15 ● 22 ●

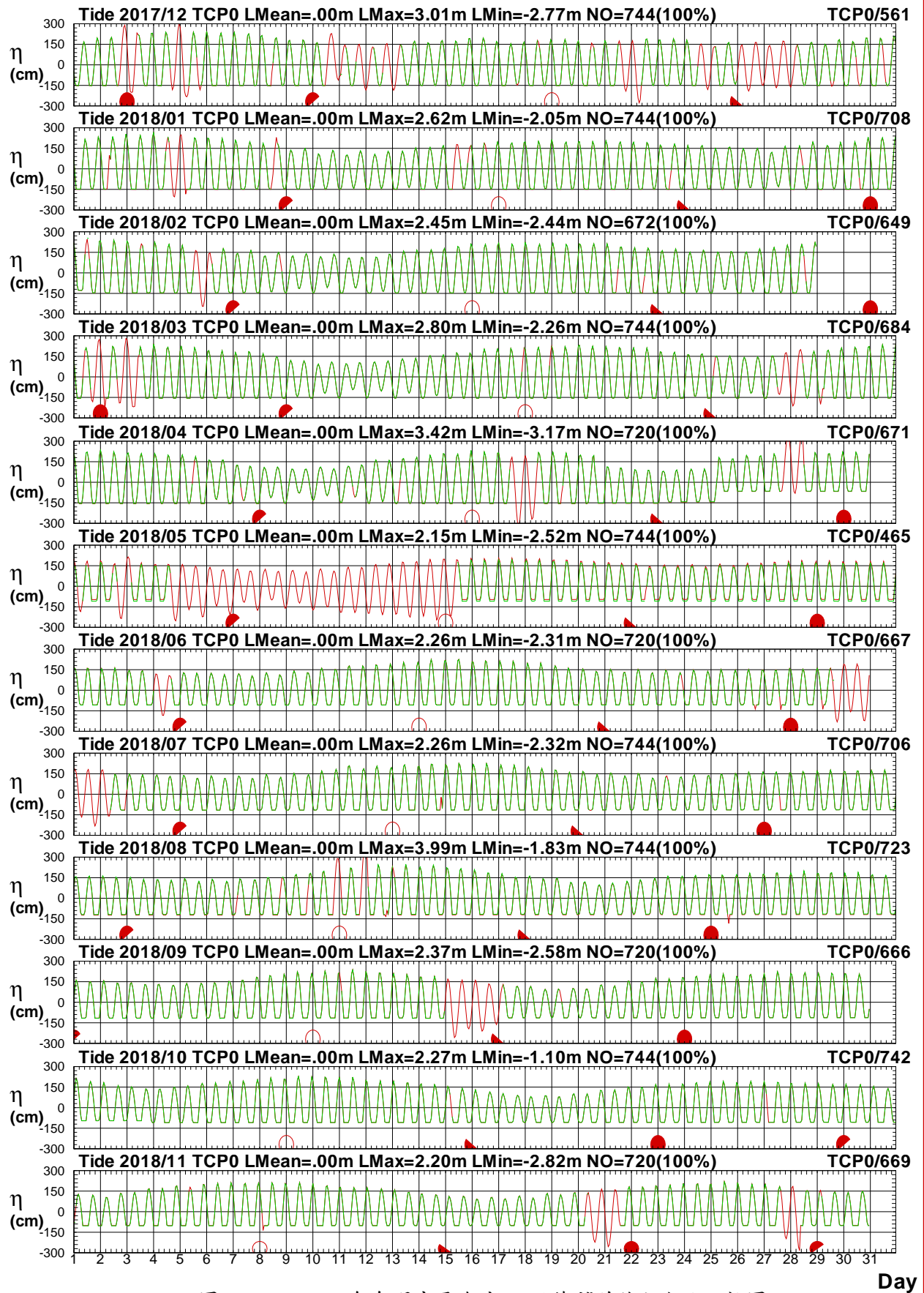


圖3.1.53 2018年每月中雲海域 P 站修補前後之潮位比較圖

T17CTCP0.1HA T17CTCP0.1H0 T181TCP0.1HA T181TCP0.1H0 T182TCP0.1HA T182TCP0.1H0
T183TCP0.1HA T183TCP0.1H0 T184TCP0.1HA T184TCP0.1H0 T185TCP0.1HA T185TCP0.1H0

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Tidal Level in Tai-Chung Harbor of TCP0 at 2018 ¹ ○ 8 ● 15 ● 22 ●

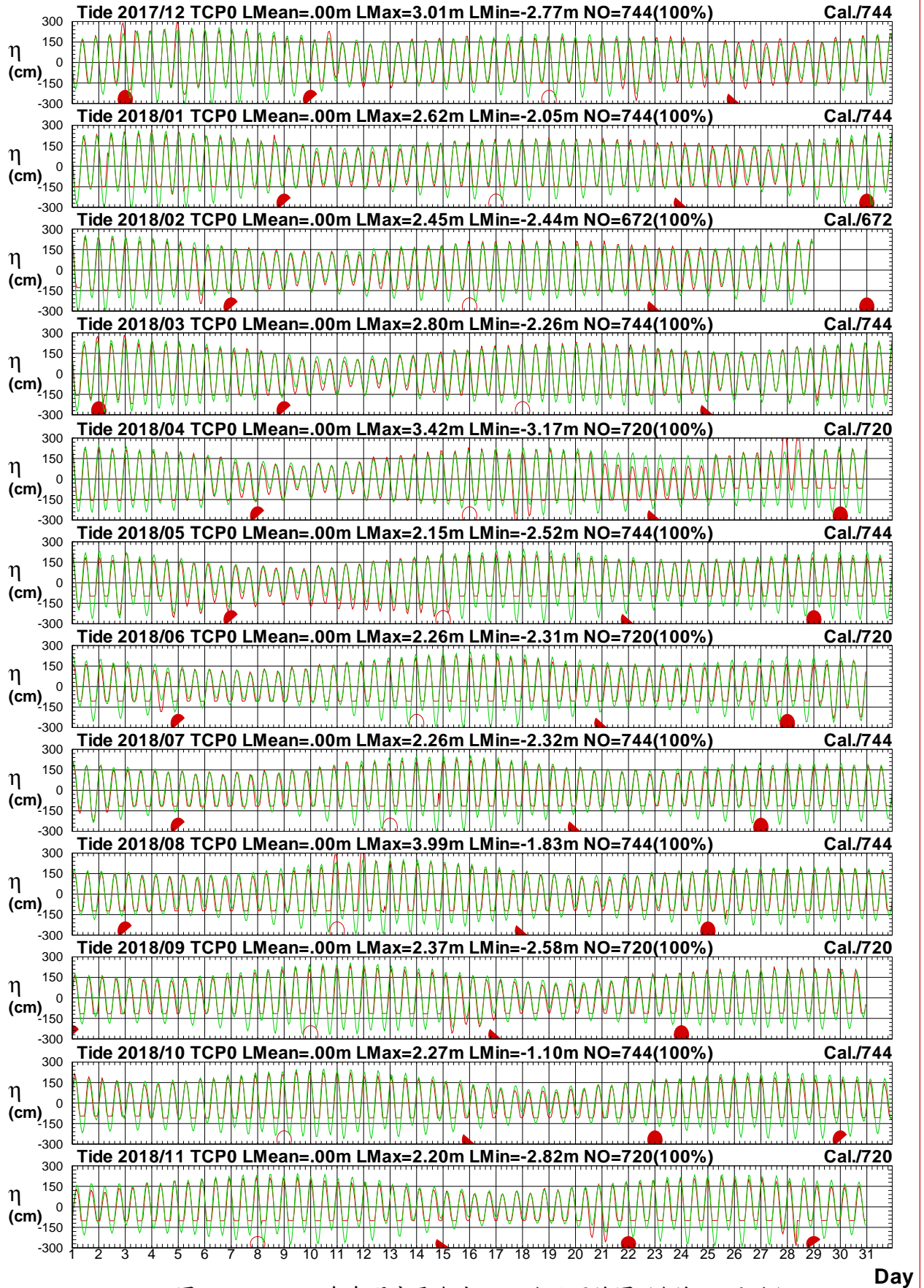


圖3.1.54 2018年每月中雲海域 P 站潮位歷線圖 (綠線: 天文潮)

T17CTCP0.1HA T17CTCT0.1HC T181TCP0.1HA T181TCT0.1HC T182TCP0.1HA T182TCT0.1HC
 T183TCP0.1HA T183TCT0.1HC T184TCP0.1HA T184TCT0.1HC T185TCP0.1HA T185TCT0.1HC

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3.2 2018年中雲海域各測站修補前 潮汐統計量統計表

表3.2.1 2018年中雲海域 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	394	518	467	506	12.4	13.0	13.0	13.0	59	0	275	-260	744(100%)
2	2018/01	T	392	513	470	502	12.4	13.0	13.0	13.0	59	0	288	-262	744(100%)
3	2018/02	T	387	508	466	495	12.4	13.0	13.0	13.0	53	0	257	-259	672(100%)
4	2018/03	T	395	502	476	492	12.4	13.0	13.0	13.0	59	0	267	-267	744(100%)
5	2018/04	T	383	509	463	490	12.4	13.0	13.0	13.0	57	0	243	-270	720(100%)
6	2018/05	T	377	498	446	486	12.4	13.0	13.0	13.0	59	0	236	-263	744(100%)
7	2018/06	T	378	537	454	513	12.4	13.0	13.0	13.0	57	0	263	-277	720(100%)
8	2018/07	T	386	536	464	523	12.4	13.0	13.0	13.0	59	0	257	-280	744(100%)
9	2018/08	T	397	566	484	543	12.4	14.0	13.1	13.2	59	0	278	-288	744(100%)
10	2018/09	T	401	539	490	526	12.4	13.0	13.0	13.0	57	0	264	-286	720(100%)
11	2018/10	T	401	515	485	510	12.4	13.0	13.0	13.0	59	0	267	-285	744(100%)
12	2018/11	T	395	515	479	505	12.4	14.0	13.1	13.2	57	0	253	-278	720(100%)
13	2018/冬	T	391	518	467	499	12.4	13.0	13.0	13.0	171	0	288	-262	2160(100%)
14	2018/春	T	385	509	463	489	12.4	13.0	13.0	13.0	175	0	267	-270	2208(100%)
15	2018/夏	T	387	566	468	524	12.4	14.0	13.0	13.1	175	0	278	-288	2208(100%)
16	2018/秋	T	399	539	485	512	12.4	14.0	13.0	13.1	173	0	267	-286	2184(100%)
17	2018/年	T	390	566	471	507	12.4	14.0	13.0	13.0	694	0	288	-288	8760(100%)

表3.2.2 2018年中雲海域 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	281	394	338	383	12.4	13.0	13.0	13.0	59	0	208	-213	744(100%)
2	2018/01	J	283	401	351	390	12.4	13.0	13.0	13.0	53	0	210	-217	734(99%)
3	2018/02	J	278	394	337	366	12.4	13.0	13.0	13.0	53	0	196	-212	672(100%)
4	2018/03	J	280	373	337	361	12.4	13.0	13.0	13.0	59	0	192	-205	744(100%)
5	2018/04	J	268	355	323	343	12.9	24.0	14.2	17.4	55	0	179	-186	717(100%)
6	2018/05	J	257	363	307	346	14.2	26.0	18.1	25.3	49	0	166	-202	721(97%)
7	2018/06	J	270	407	333	394	14.8	26.0	20.0	25.5	42	0	197	-214	689(96%)
8	2018/07	J	269	393	328	381	16.0	25.0	22.9	25.0	39	0	190	-212	711(96%)
9	2018/08	J	277	409	339	393	12.4	14.0	13.2	13.6	59	0	206	-209	744(100%)
10	2018/09	J	282	396	346	379	12.4	14.0	13.1	13.4	57	0	197	-208	720(100%)
11	2018/10	J	282	366	346	362	14.1	25.0	17.9	25.0	46	0	196	-201	716(96%)
12	2018/11	J	283	376	339	369	15.3	25.0	21.1	25.0	39	0	183	-209	673(94%)
13	2018/冬	J	281	401	341	380	12.4	13.0	13.0	13.0	165	0	210	-217	2150(100%)
14	2018/春	J	269	373	326	349	13.1	26.0	14.9	19.5	163	0	192	-205	2182(99%)
15	2018/夏	J	273	409	335	386	14.1	26.0	18.0	25.1	140	0	206	-214	2144(97%)
16	2018/秋	J	282	396	344	368	13.8	25.0	16.9	24.9	142	0	197	-209	2109(97%)
17	2018/年	J	276	409	337	371	13.3	26.0	15.5	21.5	610	0	210	-217	8585(98%)

表3.2.3 2018年中雲海域 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	345	396	377	394	15.0	25.0	20.5	25.0	24	0	245	-153	561(75%)
2	2018/01	P	326	402	366	390	13.4	25.0	16.6	24.8	49	0	264	-149	708(95%)
3	2018/02	P	317	378	361	370	13.3	25.0	16.1	21.8	44	0	246	-147	649(97%)
4	2018/03	P	324	392	374	385	14.0	25.0	17.8	25.0	47	0	243	-156	684(92%)
5	2018/04	P	319	390	375	385	14.8	27.0	20.5	26.0	34	0	235	-155	671(93%)
6	2018/05	P	278	303	300	303	16.2	25.0	24.6	25.0	17	0	194	-110	465(63%)
7	2018/06	P	272	333	316	329	14.8	25.0	20.1	25.0	31	0	224	-110	667(93%)
8	2018/07	P	273	341	324	337	15.3	25.0	21.2	25.0	43	0	225	-116	706(95%)
9	2018/08	P	282	367	325	359	14.8	25.0	20.1	25.0	47	0	249	-119	723(97%)
10	2018/09	P	276	352	322	345	15.3	26.0	21.3	25.3	39	0	236	-118	666(93%)
11	2018/10	P	283	336	321	333	17.0	25.0	24.8	25.0	30	0	227	-110	742(100%)
12	2018/11	P	282	314	311	314	16.6	26.0	25.2	26.0	18	0	218	-104	669(93%)
13	2018/冬	P	327	402	366	387	13.7	25.0	17.2	24.5	117	0	264	-153	1918(89%)
14	2018/春	P	314	392	372	383	14.7	27.0	20.0	25.3	98	0	242	-157	1820(82%)
15	2018/夏	P	276	367	322	344	15.0	25.0	20.3	25.0	121	0	249	-119	2096(95%)
16	2018/秋	P	279	352	320	338	16.1	26.0	23.7	25.4	87	0	236	-118	2077(95%)
17	2018/年	P	300	402	353	377	14.8	27.0	20.0	25.1	423	0	264	-157	7911(90%)

3-2-3

表3.2.4 2018年中雲海域 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	406	463	463	0	12.3	13.0	13.0	.0	4	0	225	-260	58(8%)
2	2018/01	X	398	578	485	548	13.3	25.0	15.8	22.0	40	0	276	-303	599(81%)
3	2018/02	X													
4	2018/03	X													
5	2018/04	X													
6	2018/05	X													
7	2018/06	X	387	433	433	0	12.3	13.0	13.0	.0	4	0	206	-236	61(9%)
8	2018/07	X	388	556	471	540	12.4	13.0	13.0	13.0	59	0	256	-305	744(100%)
9	2018/08	X	400	567	503	557	12.7	24.0	13.9	16.0	41	0	339	-807	553(74%)
10	2018/09	X	390	536	487	521	12.6	26.0	13.8	15.6	51	0	330	-721	671(93%)
11	2018/10	X	395	511	479	506	12.9	25.0	14.3	18.0	57	0	258	-267	740(100%)
12	2018/11	X	393	533	481	515	12.9	26.0	14.4	18.2	55	0	252	-281	703(98%)
13	2018/冬	X	398	578	483	548	13.2	25.0	15.6	22.0	44	0	276	-303	657(30%)
14	2018/春	X													
15	2018/夏	X	393	567	482	545	12.5	24.0	13.4	14.2	104	0	339	-806	1358(62%)
16	2018/秋	X	393	536	483	513	12.8	26.0	14.2	17.0	163	0	330	-721	2114(97%)
17	2018/年	X	394	578	483	528	12.8	26.0	14.1	16.6	311	0	339	-806	4129(47%)

3-2-4

3.3 2018年中雲海域**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 Chung-Yun Seas of TCT0 at 2018

1 ○ 8 ● 15 ● 22 ●

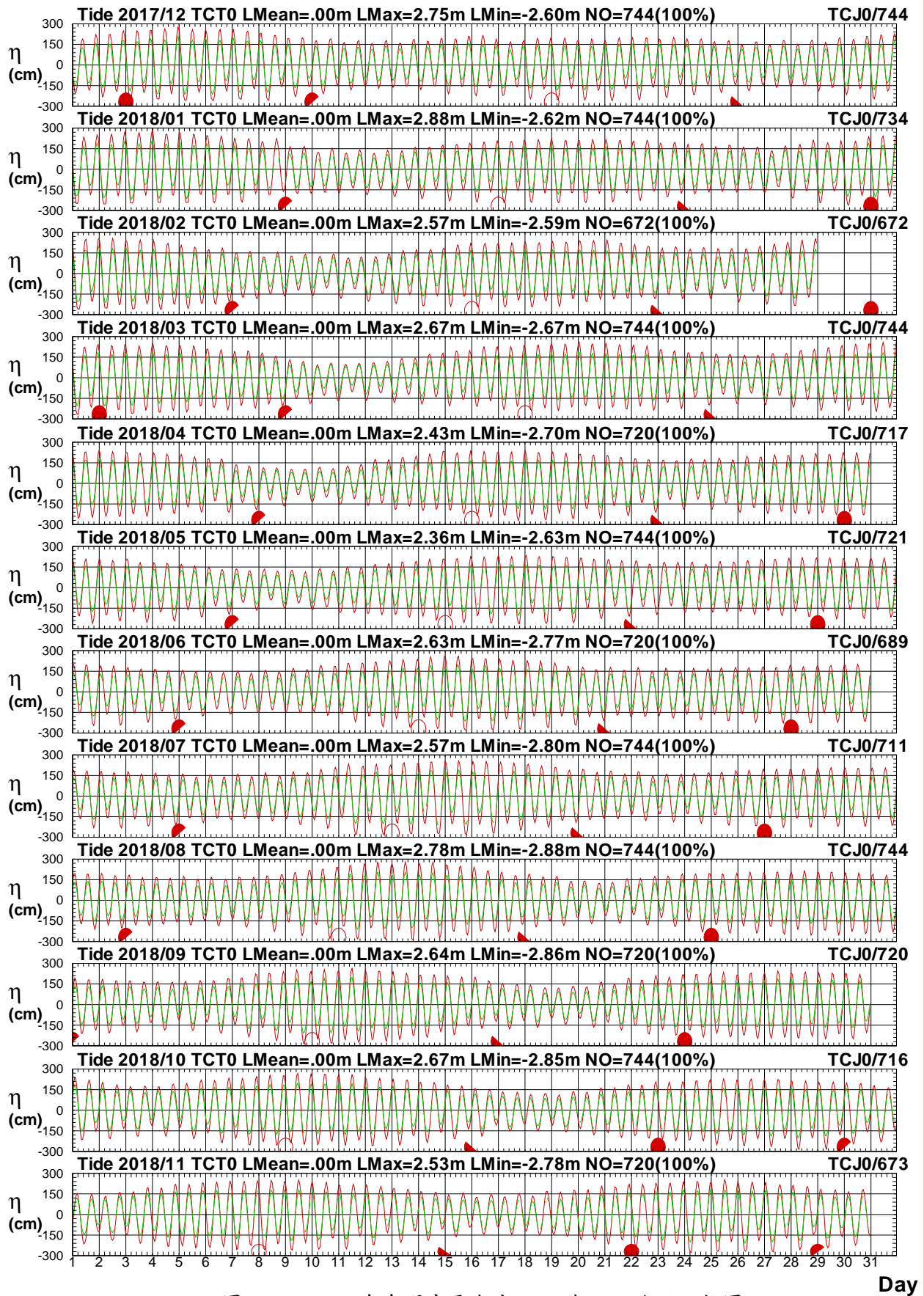


圖3.3.1 2018年每月中雲海域 T 站與 J 站潮位比較圖

T17CTCT0.1HA T17CTCJ0.1H0 T181TCT0.1HA T181TCJ0.1H0 T182TCT0.1HA T182TCJ0.1H0
 T183TCT0.1HA T183TCJ0.1H0 T184TCT0.1HA T184TCJ0.1H0 T185TCT0.1HA T185TCJ0.1H0

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Tidal Level in Chung-Yun Seas of TCT0 at 2018

1 ○ 8 ● 15 ● 22 ●

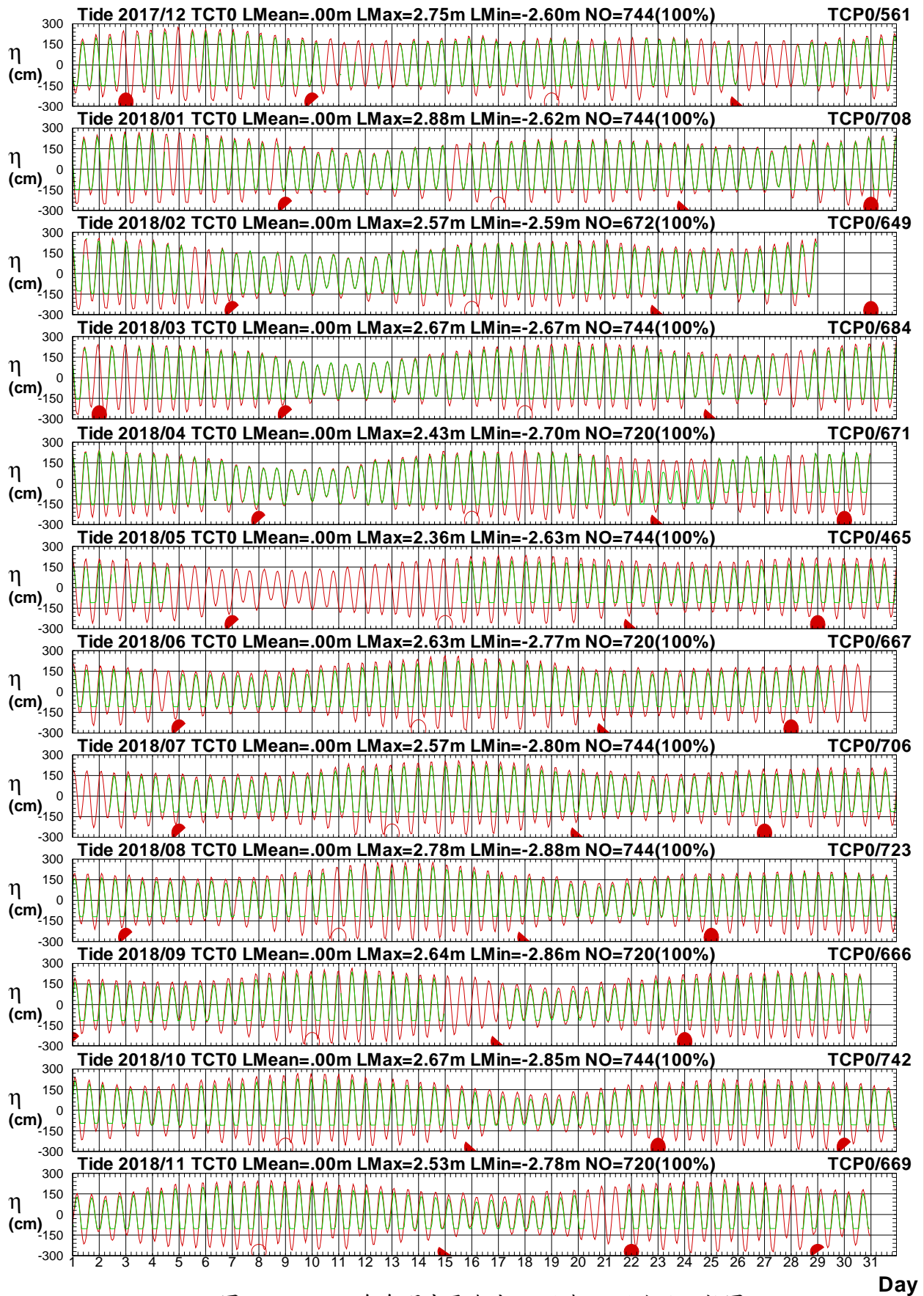


圖3.3.2 2018年每月中雲海域 T 站與 P 站潮位比較圖

T17TCT0.1HA T17TCP0.1H0 T181TCT0.1HA T181TCP0.1H0 T182TCT0.1HA T182TCP0.1H0
 T183TCT0.1HA T183TCP0.1H0 T184TCT0.1HA T184TCP0.1H0 T185TCT0.1HA T185TCP0.1H0

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Tidal Level in Chung-Yun Seas of TCT0 at 2018

1 ○ 8 ● 15 ● 22 ●

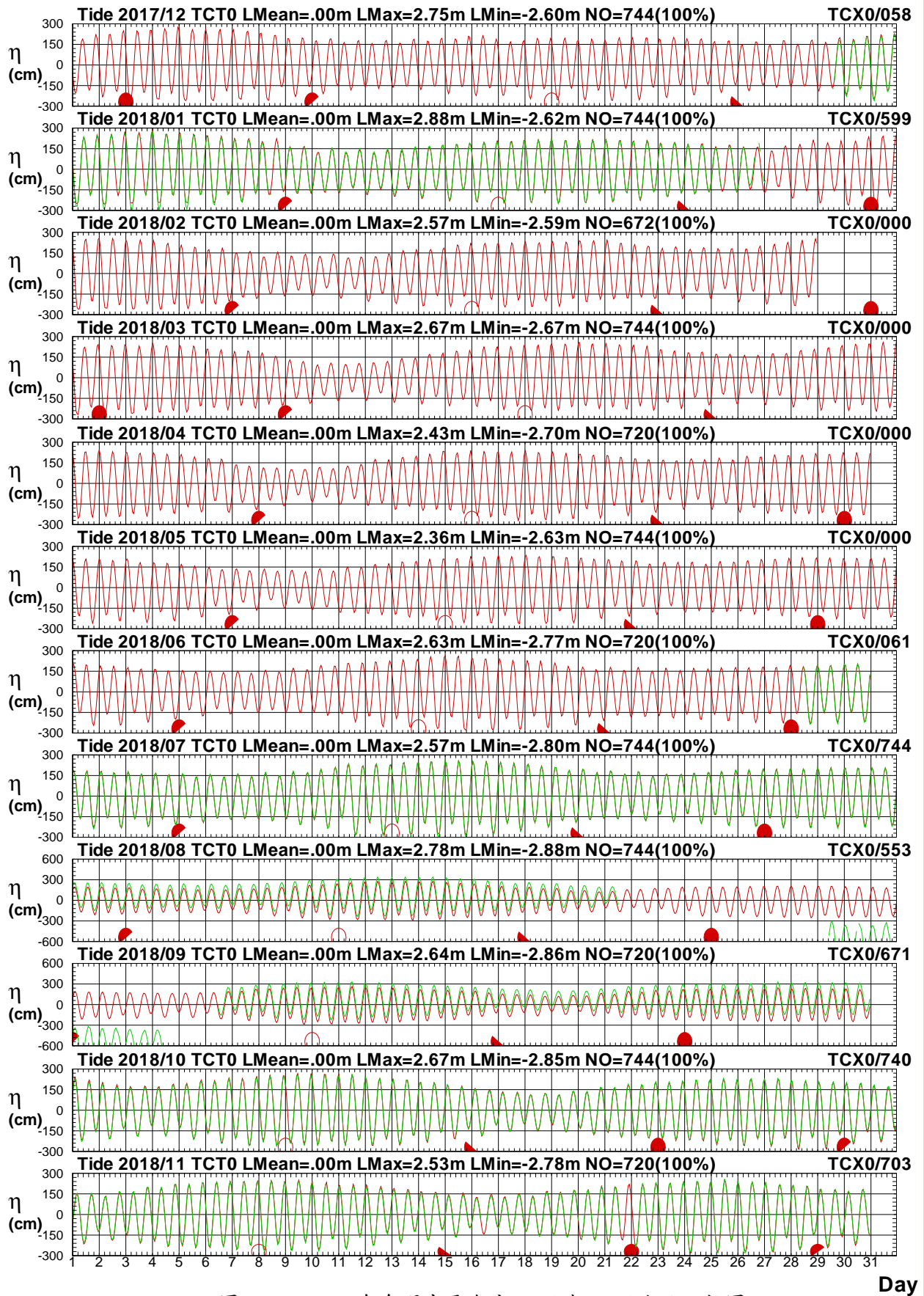


圖3.3.3 2018年每月中雲海域 T 站與 X 站潮位比較圖

T17CTCT0.1HA T17CTCX0.1H0 T181TCT0.1HA T181TCX0.1H0 T182TCT0.1HA T182TCX0.1H0
 T183TCT0.1HA T183TCX0.1H0 T184TCT0.1HA T184TCX0.1H0 T185TCT0.1HA T185TCX0.1H0

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3.4 2018年中雲海域**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 Chung-Yun Seas of TCJ0 at 2018

1 ○ 8 ● 15 ● 22 ●

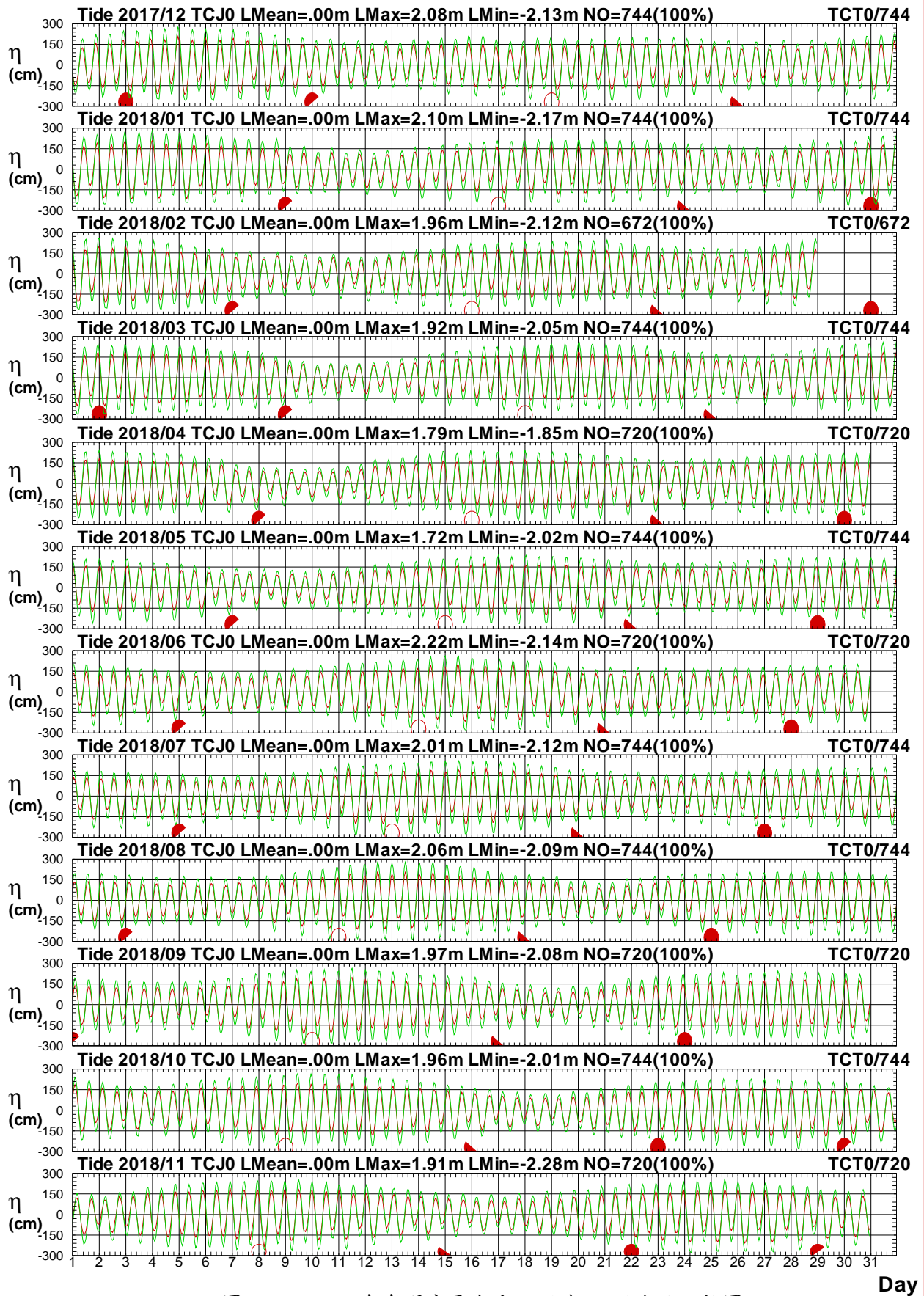


圖3.4.1 2018年每月中雲海域J站與T站潮位比較圖

T17CTCJ0.1HA T17CTCT0.1H0 T181TCJ0.1HA T181TCT0.1H0 T182TCJ0.1HA T182TCT0.1H0
 T183TCJ0.1HA T183TCT0.1H0 T184TCJ0.1HA T184TCT0.1H0 T185TCJ0.1HA T185TCT0.1H0

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Tidal Level in Chung-Yun Seas of TCJ0 at 2018

1 ○ 8 ● 15 ● 22 ●

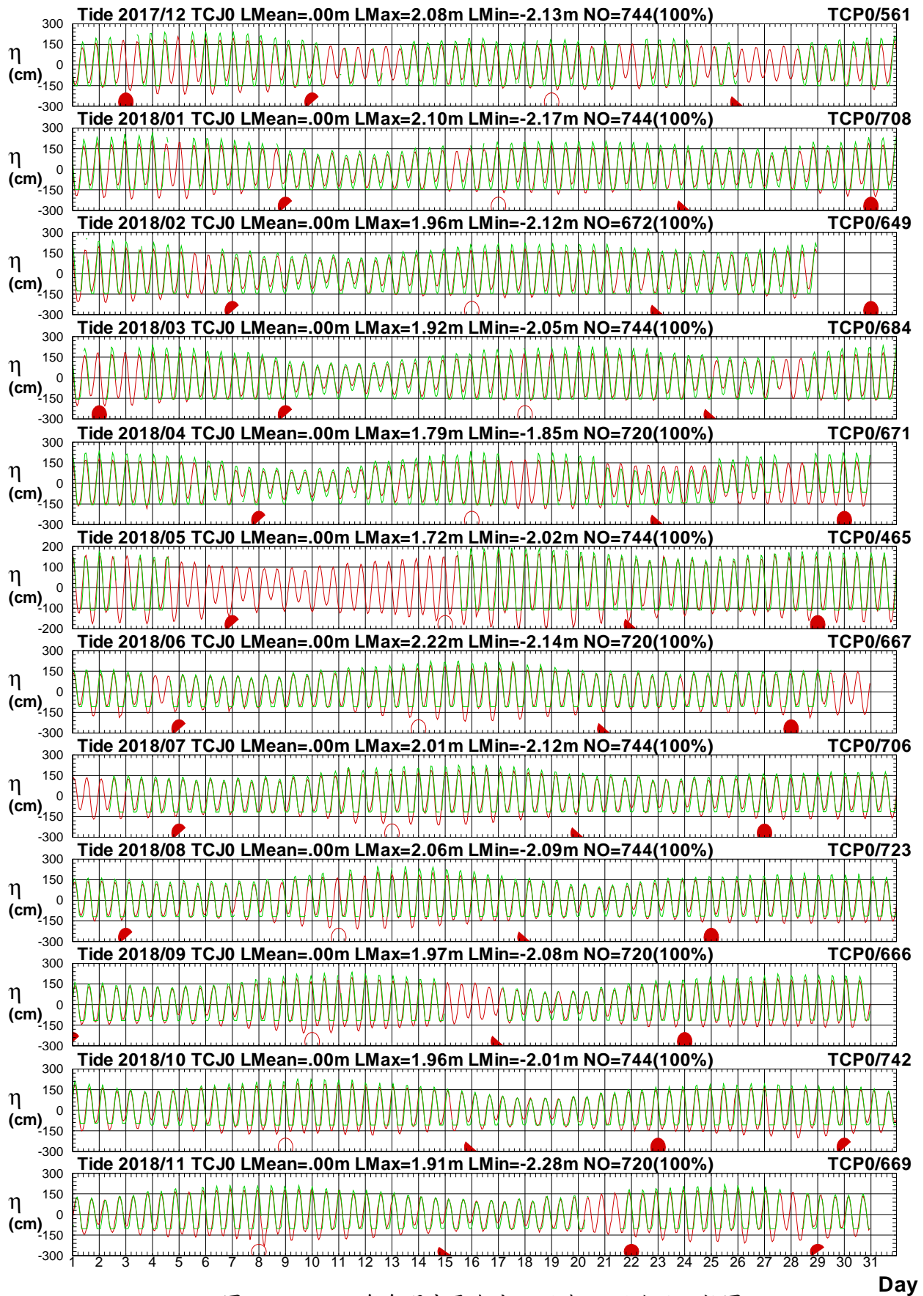


圖3.4.2 2018年每月中雲海域 J 站與 P 站潮位比較圖

T17CTCJ0.1HA T17CTCP0.1H0 T181TCJ0.1HA T181TCP0.1H0 T182TCJ0.1HA T182TCP0.1H0
 T183TCJ0.1HA T183TCP0.1H0 T184TCJ0.1HA T184TCP0.1H0 T185TCJ0.1HA T185TCP0.1H0

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Tidal Level in Chung-Yun Seas of TCJ0 at 2018

1 ○ 8 ● 15 ● 22 ●

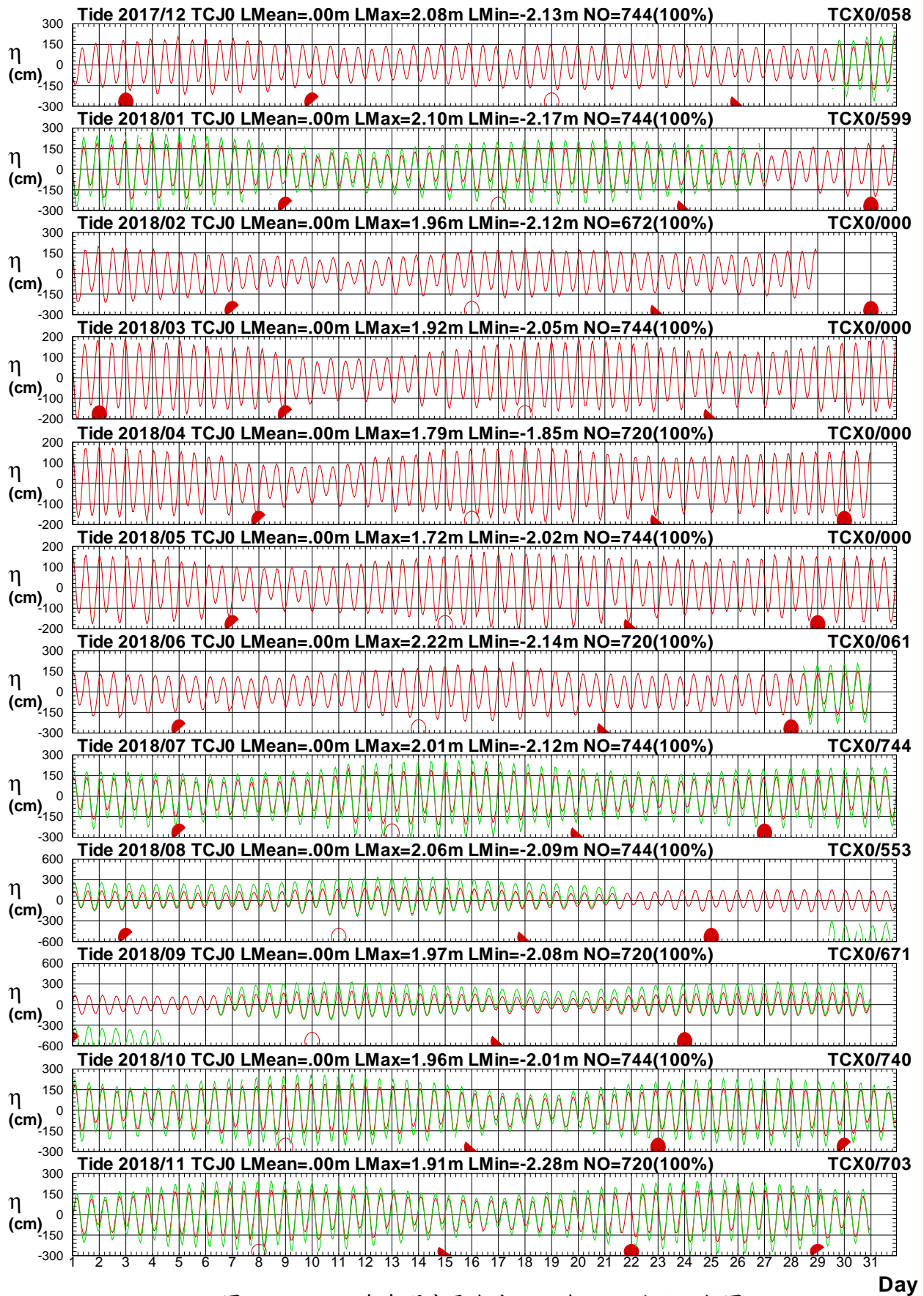


圖3.4.3 2018年每月中雲海域 J 站與 X 站潮位比較圖

T17CTCJ0.1HA T17CTCX0.1H0 T181TCJ0.1HA T181TCX0.1H0 T182TCJ0.1HA T182TCX0.1H0
 T183TCJ0.1HA T183TCX0.1H0 T184TCJ0.1HA T184TCX0.1H0 T185TCJ0.1HA T185TCX0.1H0

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3.5 2018年中雲海域**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 Chung-Yun Seas of TCP0 at 2018

1 ○ 8 ● 15 ● 22 ●

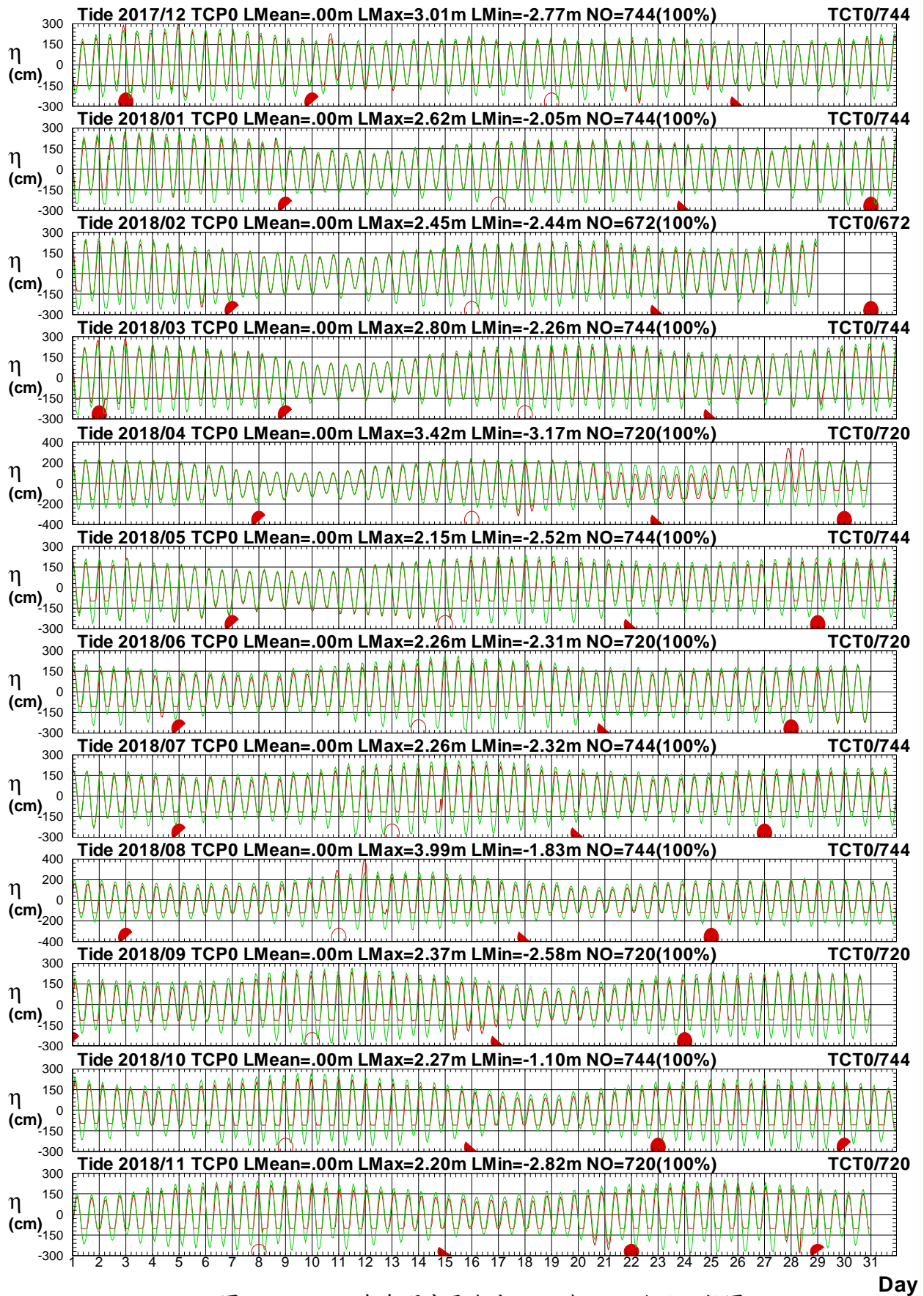


圖3.5.1 2018年每月中雲海域 P 站與 T 站潮位比較圖

T17CTCP0.1HA T17CTCT0.1H0 T181TCP0.1HA T181TCT0.1H0 T182TCP0.1HA T182TCT0.1H0
T183TCP0.1HA T183TCT0.1H0 T184TCP0.1HA T184TCT0.1H0 T185TCP0.1HA T185TCT0.1H0

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Tidal Level in Chung-Yun Seas of TCP0 at 2018

1 ○ 8 ● 15 ● 22 ●

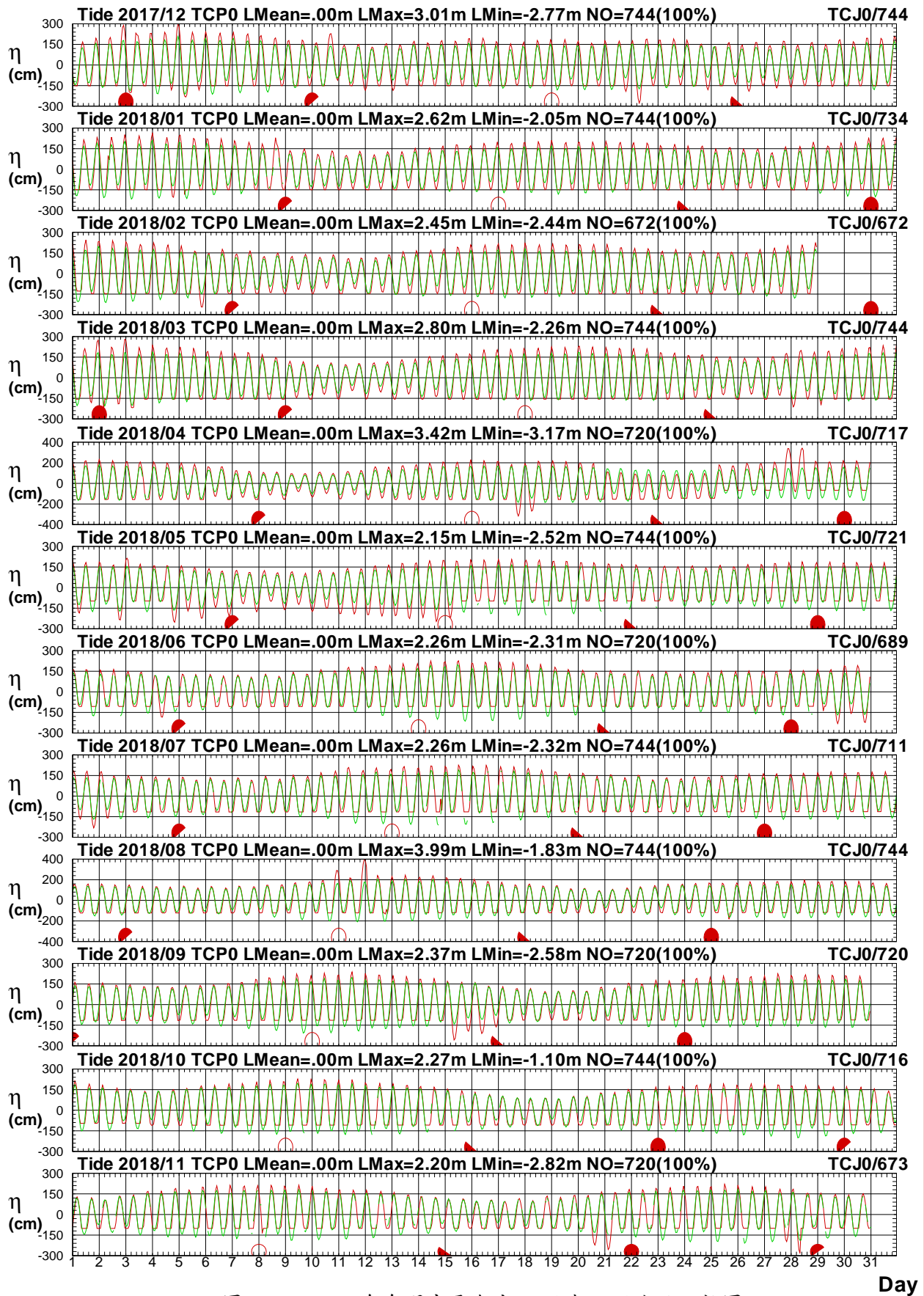


圖3.5.2 2018年每月中雲海域 P 站與 J 站潮位比較圖

T17CTCP0.1HA T17CTCJ0.1H0 T181TCP0.1HA T181TCJ0.1H0 T182TCP0.1HA T182TCJ0.1H0
T183TCP0.1HA T183TCJ0.1H0 T184TCP0.1HA T184TCJ0.1H0 T185TCP0.1HA T185TCJ0.1H0

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Tidal Level in Chung-Yun Seas of TCP0 at 2018

1 ○ 8 ● 15 ● 22 ●

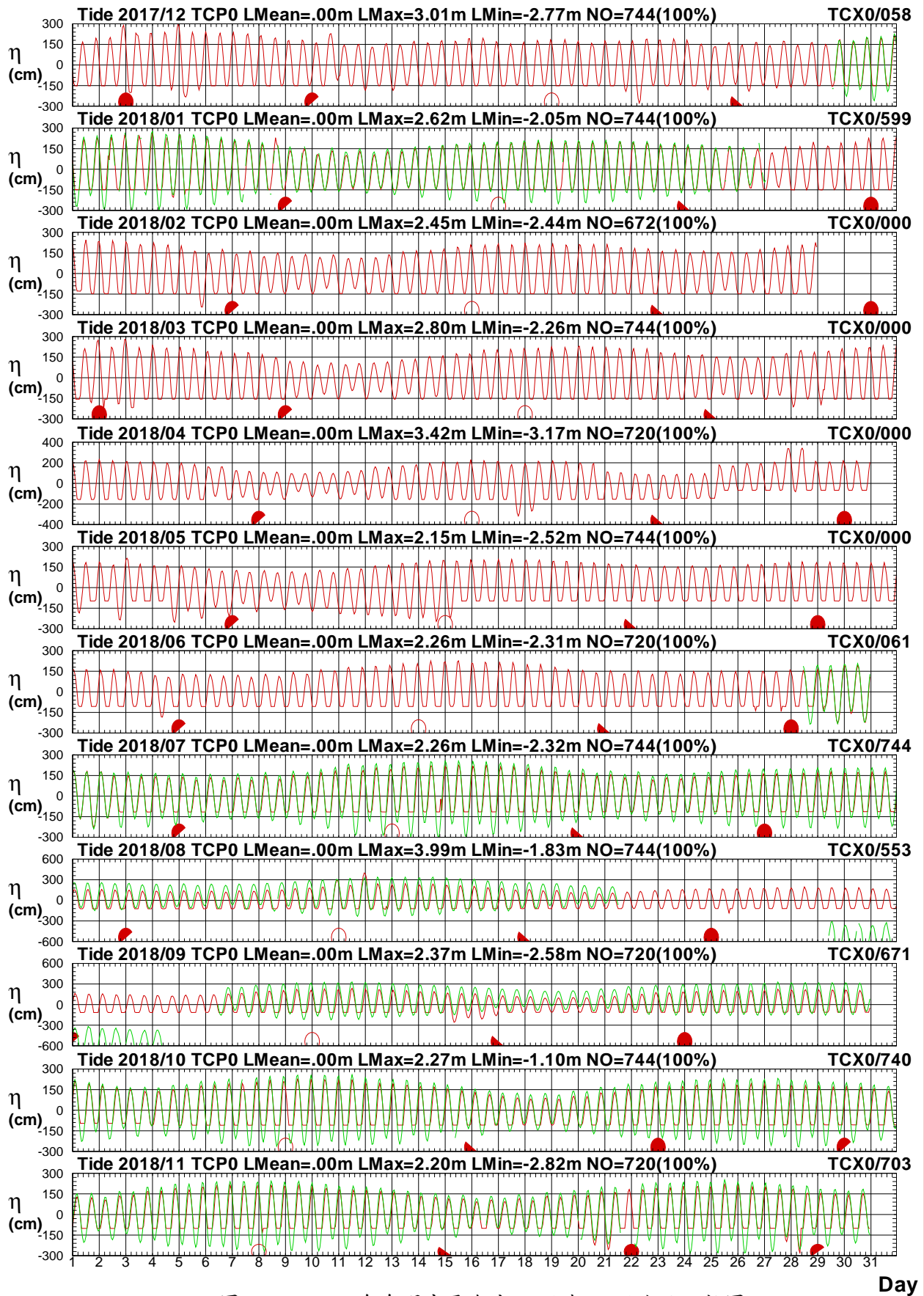


圖3.5.3 2018年每月中雲海域 P 站與 X 站潮位比較圖

T17CTCP0.1HA T17CTCX0.1H0 T181TCP0.1HA T181TCX0.1H0 T182TCP0.1HA T182TCX0.1H0
T183TCP0.1HA T183TCX0.1H0 T184TCP0.1HA T184TCX0.1H0 T185TCP0.1HA T185TCX0.1H0

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第四章 2018 年中雲海域觀測海流資料年報

中雲海域海流之觀測包括測站 X 及測站 U 等 2 個測站(測站位置如第 O 章圖 CG1)。

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 年中雲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年每月臺中海域各測站觀測海流資料紀錄表

海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域
年月/測站	X	Y	R	Z	U							
2017/12月	58(7.8%)	*	*	*	135(18.1%)	*	*	*	*	*	*	*
2018/ 1月	599(80.5%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 2月	*	*	*	*	*	*	*	*	*	*	*	*
2018/ 3月	*	*	*	*	*	*	*	*	*	*	*	*
2018/ 4月	*	*	*	*	*	*	*	*	*	*	*	*
2018/ 5月	*	*	*	*	*	*	*	*	*	*	*	*
2018/ 6月	61(8.5%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 7月	744(100%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 8月	733(98.5%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 9月	671(93.2%)	*	*	*	*	*	*	*	*	*	*	*
2018/10月	740(99.5%)	*	*	*	*	*	*	*	*	*	*	*
2018/11月	703(97.6%)	*	*	*	*	*	*	*	*	*	*	*
2018/冬季	657(30.4%)	*	*	*	135(6.3%)	*	*	*	*	*	*	*
2018/春季	*	*	*	*	*	*	*	*	*	*	*	*
2018/夏季	1538(69.7%)	*	*	*	*	*	*	*	*	*	*	*
2018/秋季	2114(96.8%)	*	*	*	*	*	*	*	*	*	*	*
2018/整年	4309(49.2%)	*	*	*	135(1.5%)	*	*	*	*	*	*	*
起始年月	2017/12	*	*	*	2017/12	*	*	*	*	*	*	*
結束年月	2018/11	*	*	*	2017/12	*	*	*	*	*	*	*

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表4.1.1b 2018年每月臺中海域計算潮流各測站資料紀錄表

海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域	中雲海域
年月/測站	X	Y	R	Z	U							
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	*	*	*	*	*	*	*

4-14

4.2 2018 年中雲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年中雲海域 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	58(8%)	45.6	41.3/WSW	89.9/WSW	29.3	32.8	37.9	.0	.0	.0	81.0	19.0	WSW/41.4%
2	2018/01	599(81%)	40.1	31.3/W	122.8/WSW	30.9	40.4	27.5	1.2	9.5	.2	60.6	29.7	WSW/34.9%
3	2018/02													
4	2018/03													
5	2018/04													
6	2018/05													
7	2018/06	61(9%)	48.1	43.9/NNE	88.5/N	14.8	44.3	41.0	.0	85.2	.0	.0	14.8	NE /34.4%
8	2018/07	744(100%)	29.8	24.9/NNE	83.6/NNW	45.7	41.4	12.9	.0	59.3	2.3	3.6	34.8	NNE/27.7%
9	2018/08	733(99%)	32.6	16.1/NW	126.0/SW	46.7	36.4	15.8	1.1	38.3	8.0	18.0	35.6	N /26.3%
10	2018/09	671(93%)	43.1	16.7/NW	105.9/ENE	24.4	36.1	39.3	.1	32.3	6.7	36.4	24.6	WSW/26.1%
11	2018/10	740(100%)	34.1	28.7/WSW	88.8/WSW	34.3	51.1	14.6	.0	5.8	1.4	70.0	22.8	WSW/46.8%
12	2018/11	703(98%)	29.7	19.7/WSW	98.6/WSW	51.1	36.6	12.4	.0	14.8	8.0	59.3	17.9	WSW/35.0%
13	2018/冬	657(30%)	40.6	32.1/W	122.8/WSW	30.7	39.7	28.5	1.1	8.7	.2	62.4	28.8	WSW/35.5%
14	2018/春													
15	2018/夏	1538(70%)	31.8	19.5/N	126.0/SW	44.9	39.1	15.4	.5	50.3	4.9	10.3	34.4	N /25.4%
16	2018/秋	2114(97%)	35.5	20.3/W	105.9/ENE	36.8	41.5	21.7	.0	17.2	5.3	55.8	21.8	WSW/36.3%
17	2018/年	4309(49%)	35.0	16.1/WNW	126.0/SW	38.8	40.4	20.5	.4	27.7	4.4	40.6	27.3	WSW/24.6%

4-2-1

表4.2.1b 2018年中雲海域 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%)	17.6	16.2/WNW	25.5/W	100.0	.0	.0	.0	.0	.0	20.8	79.2	WNW/30.2%
2	2018/01	744(100%)	17.5	16.1/WNW	25.8/WSW	99.9	.1	.0	.0	.0	.0	18.4	81.6	WNW/31.5%
3	2018/02	672(100%)	17.1	16.1/WNW	26.5/WSW	98.5	1.5	.0	.0	.0	.0	13.8	86.2	WNW/42.9%
4	2018/03	744(100%)	16.8	16.1/WNW	26.8/WSW	98.4	1.6	.0	.0	.0	.0	10.6	89.4	WNW/53.2%
5	2018/04	720(100%)	17.0	16.1/WNW	26.7/W	98.8	1.3	.0	.0	.0	.0	16.9	83.1	WNW/38.6%
6	2018/05	744(100%)	17.5	16.1/WNW	26.3/W	99.3	.7	.0	.0	.0	.0	22.3	77.7	W /30.9%
7	2018/06	720(100%)	17.6	16.1/WNW	25.8/W	99.9	.1	.0	.0	.0	.0	21.7	78.3	W /29.6%
8	2018/07	744(100%)	17.4	16.1/WNW	25.9/WSW	99.7	.3	.0	.0	.0	.0	17.9	82.1	WNW/33.2%
9	2018/08	744(100%)	17.0	16.1/WNW	26.5/WSW	98.8	1.2	.0	.0	.0	.0	12.5	87.5	WNW/45.2%
10	2018/09	720(100%)	16.9	16.1/WNW	26.6/W	97.8	2.2	.0	.0	.0	.0	12.9	87.1	WNW/48.5%
11	2018/10	744(100%)	17.1	16.2/WNW	26.4/W	98.4	1.6	.0	.0	.0	.0	18.4	81.6	WNW/36.6%
12	2018/11	720(100%)	17.4	16.2/WNW	26.1/W	99.4	.6	.0	.0	.0	.0	22.5	77.5	W /32.1%
13	2018/冬	2160(100%)	17.4	16.1/WNW	26.5/WSW	99.5	.5	.0	.0	.0	.0	17.8	82.2	WNW/34.6%
14	2018/春	2208(100%)	17.1	16.1/WNW	26.8/WSW	98.8	1.2	.0	.0	.0	.0	16.6	83.4	WNW/40.9%
15	2018/夏	2208(100%)	17.4	16.1/WNW	26.5/WSW	99.5	.5	.0	.0	.0	.0	17.3	82.7	WNW/36.1%
16	2018/秋	2184(100%)	17.1	16.2/WNW	26.6/W	98.5	1.5	.0	.0	.0	.0	17.9	82.1	WNW/38.8%
17	2018/年	8760(100%)	17.3	16.1/WNW	26.8/WSW	99.1	.9	.0	.0	.0	.0	17.4	82.6	WNW/37.6%

4-2-2

表4.2.1c 2018年中雲海域 X 站殘流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12	58(8%)	36.4	29.9/SW	82.2/SW	34.5	36.2	29.3	.0	12.1	6.9	74.1	6.9	SW /39.7%
2	2018/01	599(81%)	32.8	18.6/WSW	104.9/WSW	40.7	41.4	17.5	.3	24.4	6.8	60.8	8.0	SW /24.0%
3	2018/02													
4	2018/03													
5	2018/04													
6	2018/05													
7	2018/06	61(9%)	52.6	47.9/NE	88.0/ENE	6.6	37.7	55.7	.0	91.8	1.6	.0	6.6	ENE/39.3%
8	2018/07	744(100%)	33.1	27.8/NE	88.5/ENE	37.1	47.8	15.1	.0	78.8	13.2	2.4	5.6	NE /33.6%
9	2018/08	733(99%)	33.2	9.4/NE	122.6/SW	39.6	47.3	12.7	.4	57.7	16.9	16.1	9.3	NE /26.5%
10	2018/09	671(93%)	41.6	4.5/NNE	120.6/ENE	21.6	48.3	29.7	.4	42.3	16.1	34.7	6.9	WSW/19.1%
11	2018/10	740(100%)	27.0	17.9/SW	78.7/SW	52.0	39.3	8.6	.0	13.8	13.1	64.9	8.2	SW /29.2%
12	2018/11	703(98%)	27.7	12.2/SSW	88.9/WSW	51.5	39.4	9.1	.0	20.2	25.6	50.5	3.7	SW /21.2%
13	2018/冬	657(30%)	33.1	19.5/WSW	104.9/WSW	40.2	40.9	18.6	.3	23.3	6.8	61.9	7.9	SW /25.4%
14	2018/春													
15	2018/夏	1538(70%)	33.9	19.8/NE	122.6/SW	37.1	47.2	15.5	.2	69.2	14.5	8.8	7.4	NE /30.2%
16	2018/秋	2114(97%)	31.9	8.7/SW	120.6/ENE	42.2	42.2	15.5	.1	25.0	18.2	50.5	6.3	SW /20.7%
17	2018/年	4309(49%)	32.8	.0/SSW	122.6/SW	40.1	43.8	16.0	.2	40.5	15.2	37.4	6.9	NE /15.3%

4-2-3

表 4.2.2a 2018年中雲海域 U 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	135(18%)	55.4	33.5/SSW	158.0/SW	22.2	34.8	30.4	12.6	23.7	7.4	65.2	3.7	SW /39.3%
2	2018/01													
3	2018/02													
4	2018/03													
5	2018/04													
6	2018/05													
7	2018/06													
8	2018/07													
9	2018/08													
10	2018/09													
11	2018/10													
12	2018/11													
13	2018/冬	135(6%)	55.4	33.5/SSW	158.0/SW	22.2	34.8	30.4	12.6	23.7	7.4	65.2	3.7	SW /39.3%
14	2018/春													
15	2018/夏													
16	2018/秋													
17	2018/年	135(2%)	55.4	33.5/SSW	158.0/SW	22.2	34.8	30.4	12.6	23.7	7.4	65.2	3.7	SW /39.3%

4-2-4

表4.2.2b 2018年中雲海域 U 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%)	33.6	33.6/SSW	58.1/SW	28.6	68.1	3.2	.0	.0	.0	100.0	.0	SSW/89.4%
2	2018/01	744(100%)	33.7	33.6/SSW	65.2/SSW	27.6	64.9	7.5	.0	.0	.0	100.0	.0	SSW/79.6%
3	2018/02	672(100%)	33.8	33.6/SSW	68.9/SW	29.6	57.9	12.5	.0	.0	.7	99.3	.0	SSW/61.8%
4	2018/03	744(100%)	33.9	33.6/SSW	69.0/SW	32.3	53.1	14.7	.0	.0	1.1	98.9	.0	SSW/59.3%
5	2018/04	720(100%)	33.8	33.6/SSW	65.6/SW	30.1	57.4	12.5	.0	.0	.0	100.0	.0	SSW/62.9%
6	2018/05	744(100%)	33.7	33.6/SSW	61.4/SW	29.2	63.2	7.7	.0	.0	.0	100.0	.0	SSW/76.5%
7	2018/06	720(100%)	33.7	33.6/SSW	54.7/SSW	25.1	73.2	1.7	.0	.0	.0	100.0	.0	SSW/91.5%
8	2018/07	744(100%)	33.7	33.6/SSW	60.5/SSW	25.7	66.8	7.5	.0	.0	.0	100.0	.0	SSW/77.3%
9	2018/08	744(100%)	33.8	33.6/SSW	67.4/SSW	29.4	58.5	12.1	.0	.0	.0	100.0	.0	SSW/64.8%
10	2018/09	720(100%)	33.9	33.6/SSW	70.4/SW	30.8	55.0	14.2	.0	.0	.7	99.3	.0	SSW/58.9%
11	2018/10	744(100%)	33.9	33.6/SSW	68.9/SW	29.8	58.6	11.6	.0	.0	1.1	98.9	.0	SSW/61.3%
12	2018/11	720(100%)	33.7	33.6/SSW	63.2/SW	29.2	62.4	8.5	.0	.0	.0	100.0	.0	SSW/75.4%
13	2018/冬	2160(100%)	33.7	33.6/SSW	68.9/SW	28.6	63.8	7.6	.0	.0	.2	99.8	.0	SSW/77.4%
14	2018/春	2208(100%)	33.8	33.6/SSW	69.0/SW	30.5	57.9	11.6	.0	.0	.4	99.6	.0	SSW/66.3%
15	2018/夏	2208(100%)	33.7	33.6/SSW	67.4/SSW	26.8	66.1	7.2	.0	.0	.0	100.0	.0	SSW/77.7%
16	2018/秋	2184(100%)	33.8	33.6/SSW	70.4/SW	29.9	58.7	11.4	.0	.0	.6	99.4	.0	SSW/65.2%
17	2018/年	8760(100%)	33.8	33.6/SSW	70.4/SW	28.9	61.6	9.4	.0	.0	.3	99.7	.0	SSW/71.6%

4-2-5

表4.2.2c 2018年中雲海域 U 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	135(18%)	40.5	1.6/NE	126.3/NE	39.3	27.4	29.6	3.7	39.3	10.4	41.5	8.9	SW /24.4%
2	2018/01													
3	2018/02													
4	2018/03													
5	2018/04													
6	2018/05													
7	2018/06													
8	2018/07													
9	2018/08													
10	2018/09													
11	2018/10													
12	2018/11													
13	2018/冬	135(6%)	40.5	1.6/NE	126.3/NE	39.3	27.4	29.6	3.7	39.3	10.4	41.5	8.9	SW /24.4%
14	2018/春													
15	2018/夏													
16	2018/秋													
17	2018/年	135(2%)	40.5	1.6/NE	126.3/NE	39.3	27.4	29.6	3.7	39.3	10.4	41.5	8.9	SW /24.4%

4-2-6

4.3 2018 年中雲海域各測站觀測海流與 計算潮流(殘流)歷線比較圖

Current Speed in Tai-Chung Harbor of TCX0 at 2018

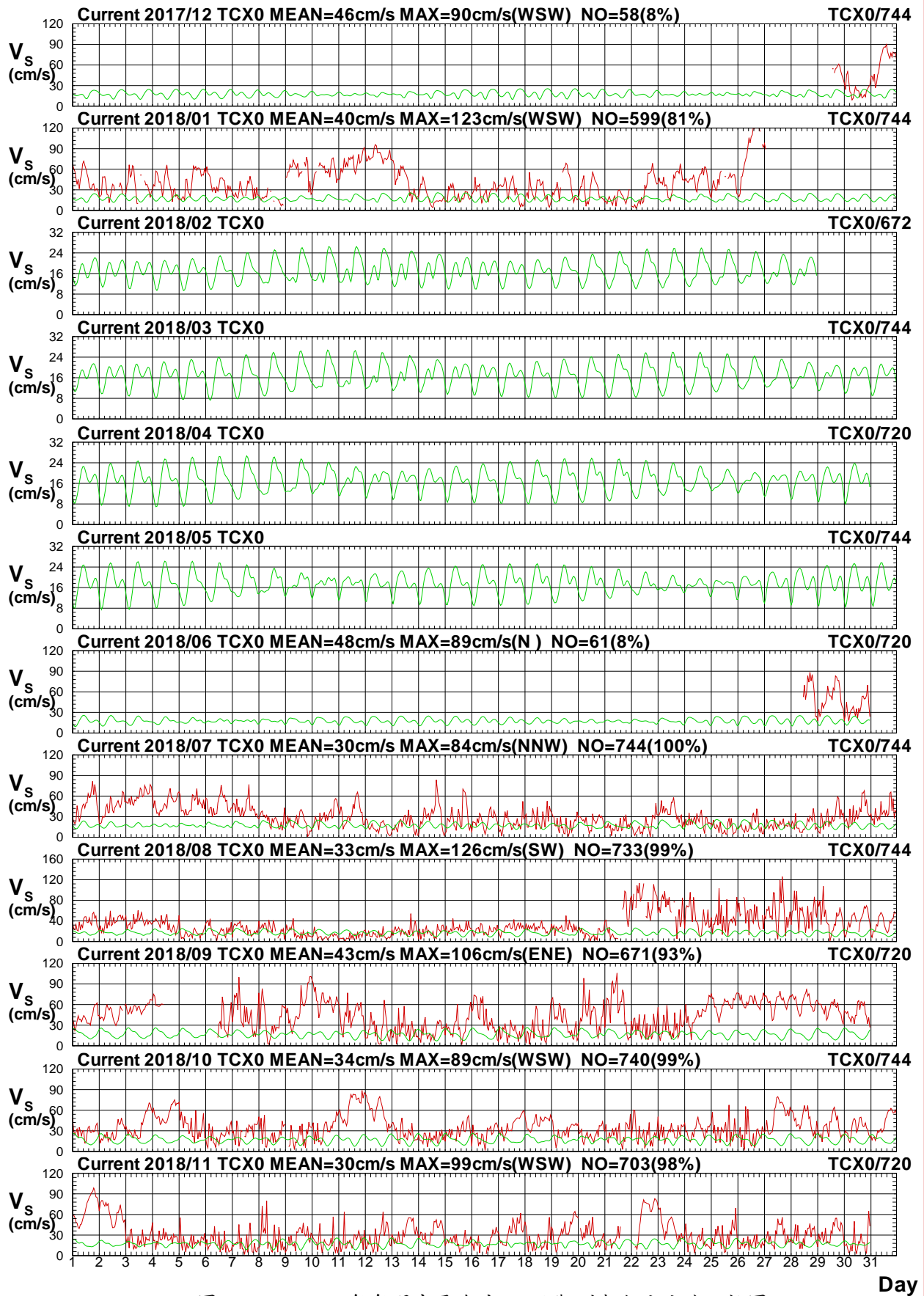


圖4.3.1a 2018年每月中雲海域 X 站觀測與潮流流速比較圖

C17CTCX0.1H0 C17CTCX0.1HD C181TCX0.1H0 C181TCX0.1HD C182TCX0.1H0 C182TCX0.1HD
 C183TCX0.1H0 C183TCX0.1HD C184TCX0.1H0 C184TCX0.1HD C185TCX0.1H0 C185TCX0.1HD

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Current Direction in Tai-Chung Harbor of TCX0 at 2018

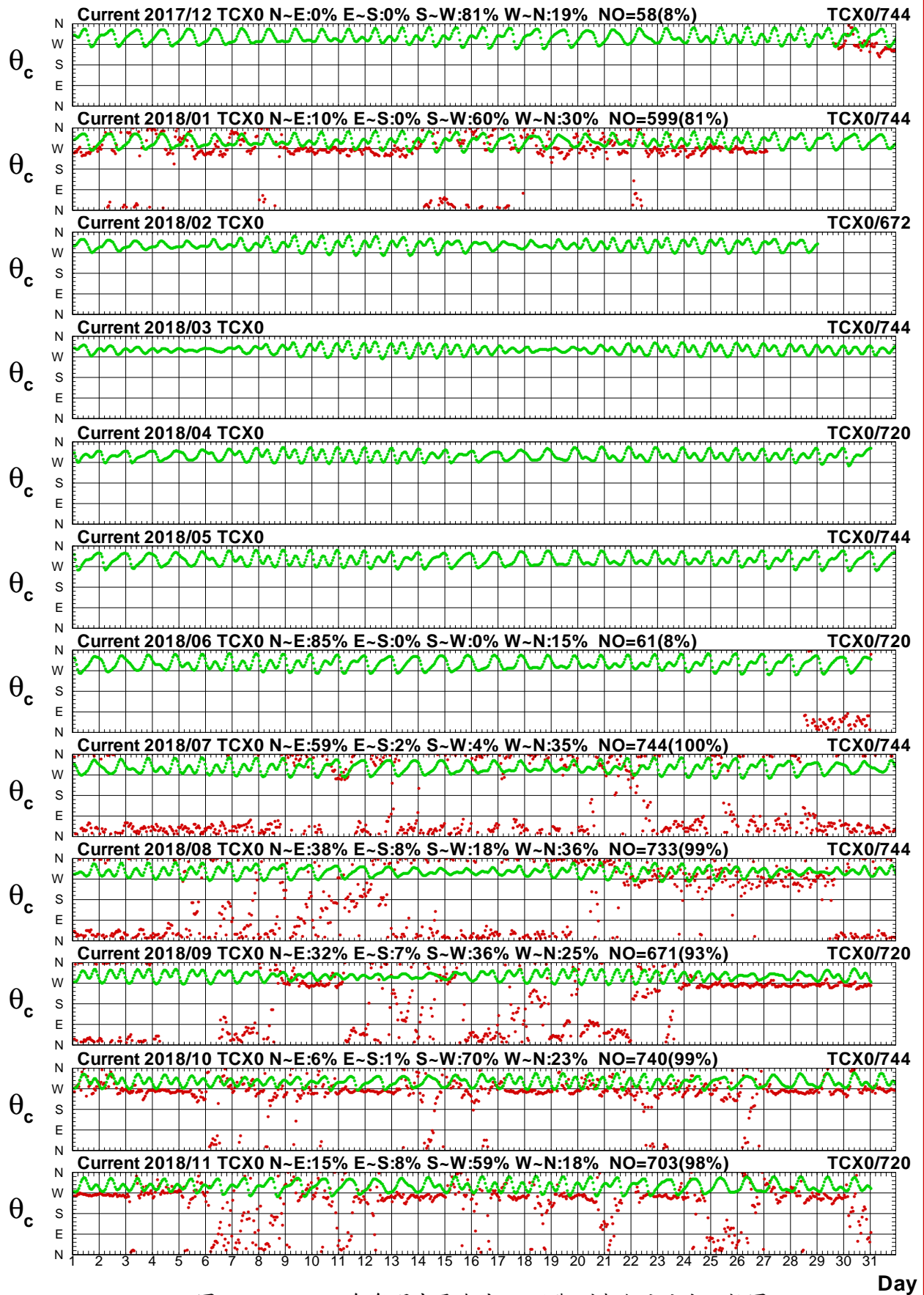


圖4.3.1b 2018年每月中雲海域 X 站觀測與潮流流向比較圖

C17CTCX0.1H0 C17CTCX0.1HD C181TCX0.1H0 C181TCX0.1HD C182TCX0.1H0 C182TCX0.1HD
 C183TCX0.1H0 C183TCX0.1HD C184TCX0.1H0 C184TCX0.1HD C185TCX0.1H0 C185TCX0.1HD

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Current Speed in Tai-Chung Harbor of TCX0 at 2018

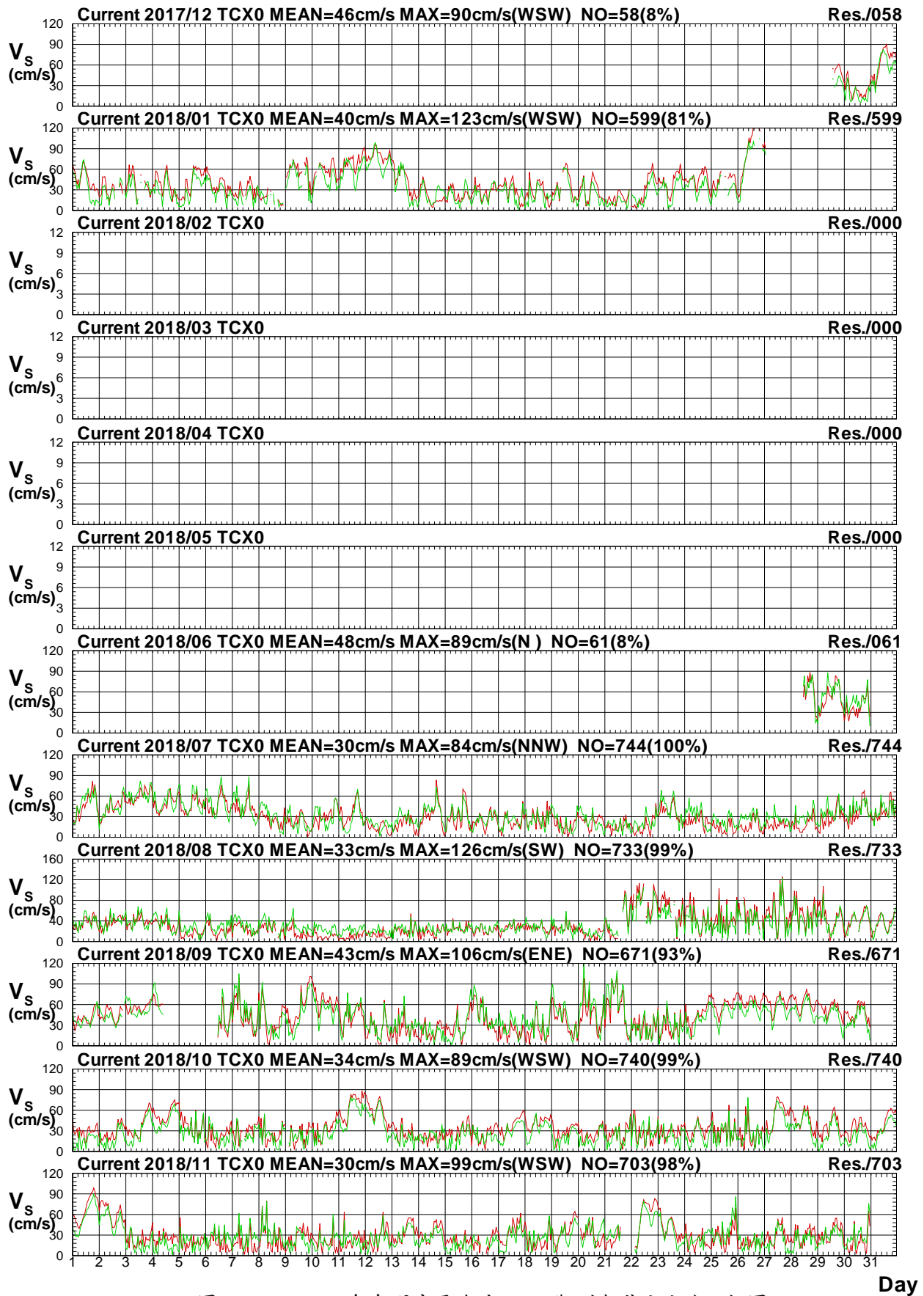


圖4.3.2a 2018年每月中雲海域 X 站觀測與殘流流速比較圖

C17CTCX0.1H0 C17CTCX0.1HR C181TCX0.1H0 C181TCX0.1HR C182TCX0.1H0 C182TCX0.1HR
 C183TCX0.1H0 C183TCX0.1HR C184TCX0.1H0 C184TCX0.1HR C185TCX0.1H0 C185TCX0.1HR

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Current Direction in Tai-Chung Harbor of TCX0 at 2018

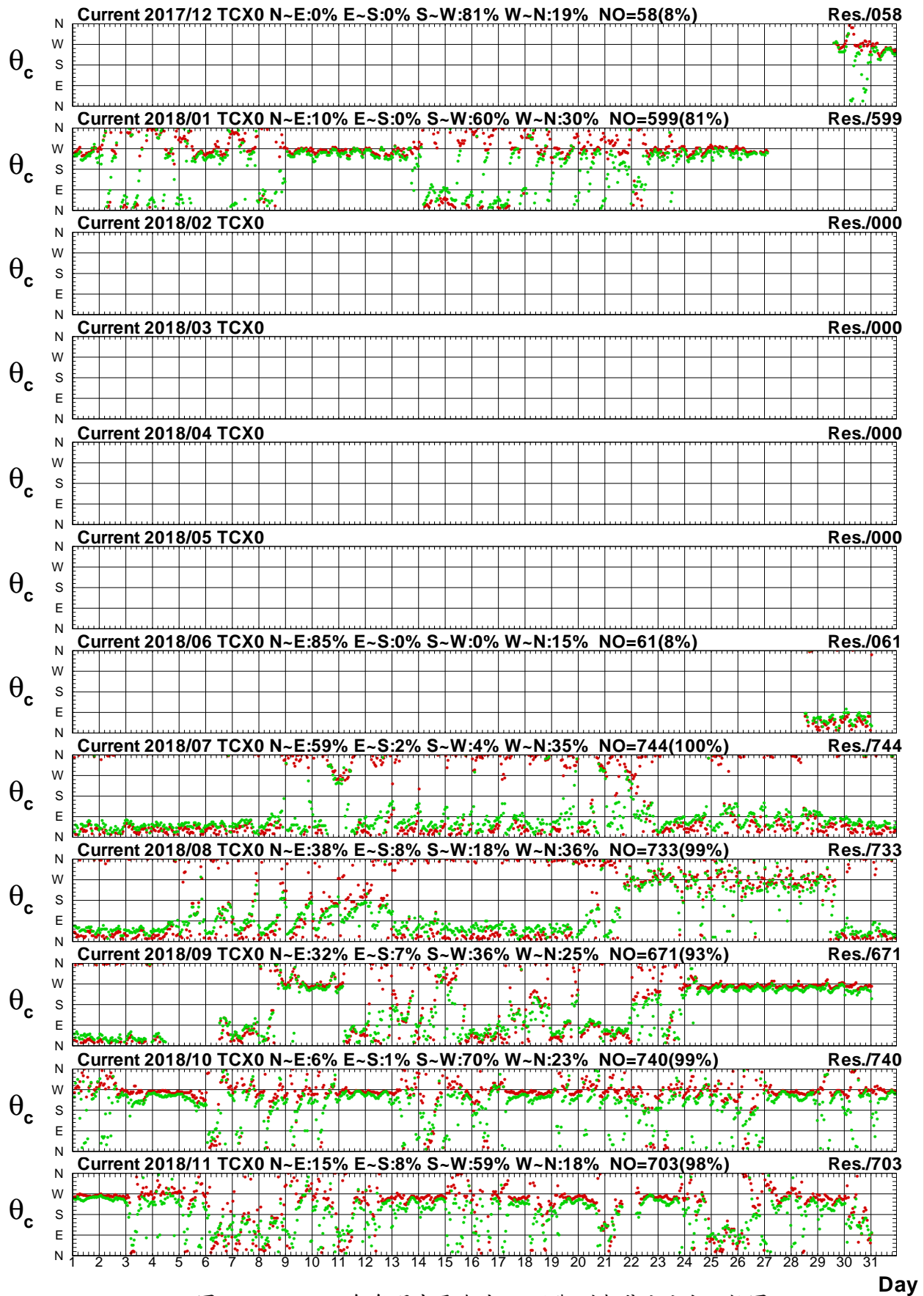


圖4.3.2b 2018年每月中雲海域 X 站觀測與殘流流向比較圖

C17CTCX0.1H0 C17CTCX0.1HR C181TCX0.1H0 C181TCX0.1HR C182TCX0.1H0 C182TCX0.1HR
 C183TCX0.1H0 C183TCX0.1HR C184TCX0.1H0 C184TCX0.1HR C185TCX0.1H0 C185TCX0.1HR

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Current Speed in Tai-Chung Harbor of TCU0 at 2018

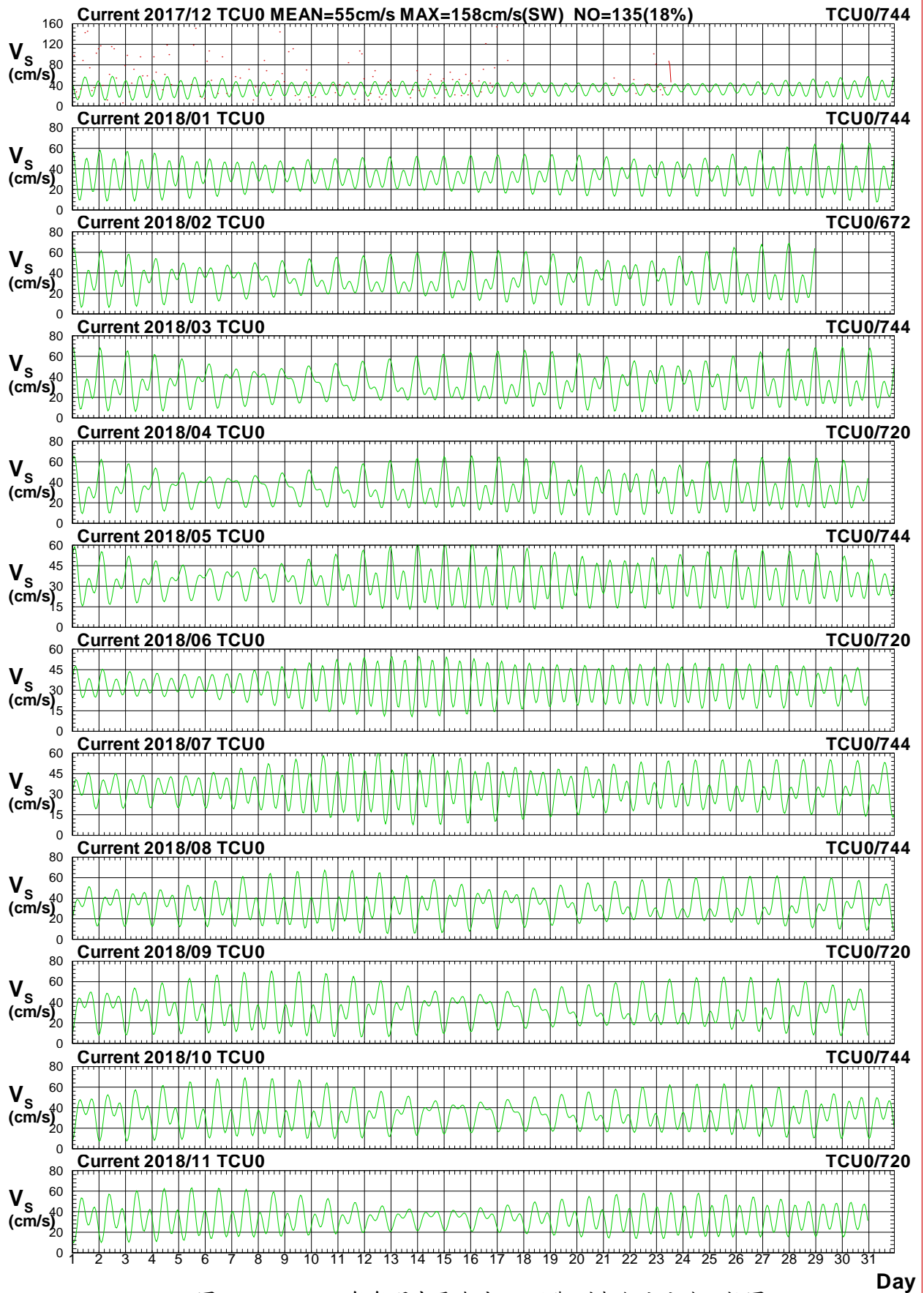


圖4.3.3a 2018年每月中雲海域 U 站觀測與潮流流速比較圖

C17CTCU0.1H0 C17CTCU0.1HD C181TCU0.1H0 C181TCU0.1HD C182TCU0.1H0 C182TCU0.1HD
 C183TCU0.1H0 C183TCU0.1HD C184TCU0.1H0 C184TCU0.1HD C185TCU0.1H0 C185TCU0.1HD

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Current Direction in Tai-Chung Harbor of TCU0 at 2018

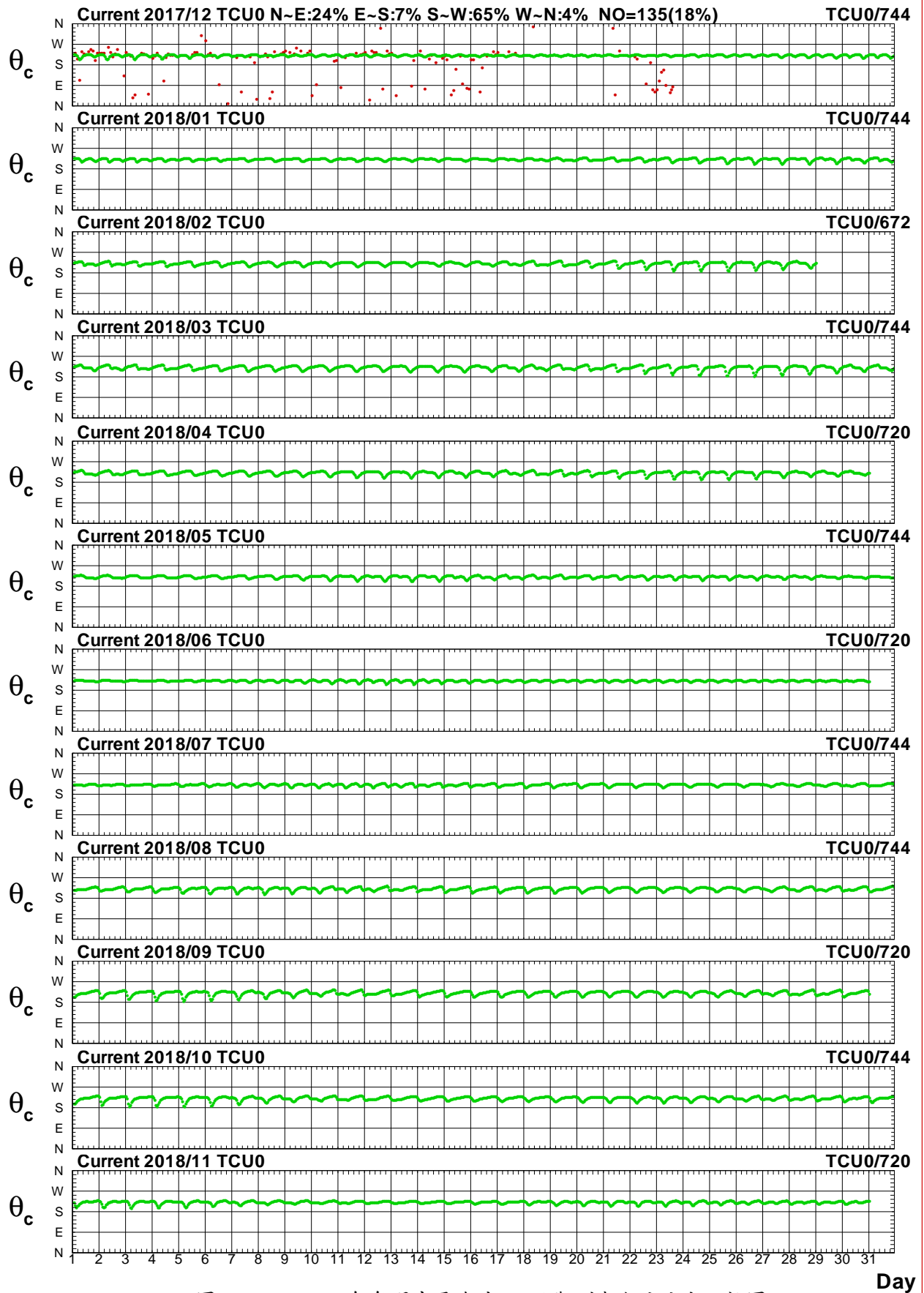


圖4.3.3b 2018年每月中雲海域 U 站觀測與潮流流向比較圖

C17CTCU0.1H0 C17CTCU0.1HD C181TCU0.1H0 C181TCU0.1HD C182TCU0.1H0 C182TCU0.1HD
 C183TCU0.1H0 C183TCU0.1HD C184TCU0.1H0 C184TCU0.1HD C185TCU0.1H0 C185TCU0.1HD

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Current Speed in Tai-Chung Harbor of TCU0 at 2018

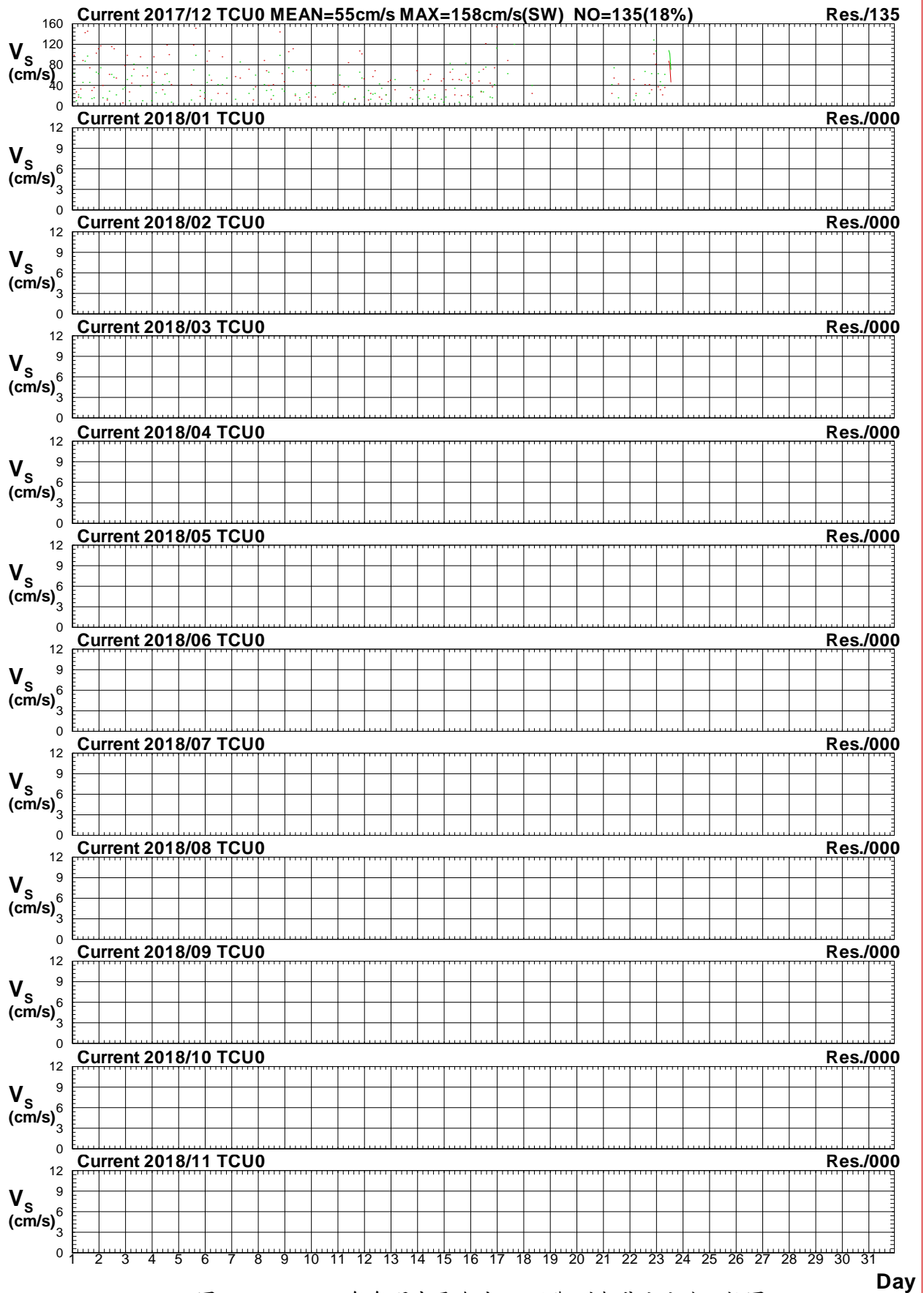


圖4.3.4a 2018年每月中雲海域 U 站觀測與殘流流速比較圖

C17CTCU0.1H0 C17CTCU0.1HR C181TCU0.1H0 C181TCU0.1HR C182TCU0.1H0 C182TCU0.1HR
 C183TCU0.1H0 C183TCU0.1HR C184TCU0.1H0 C184TCU0.1HR C185TCU0.1H0 C185TCU0.1HR

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Current Direction in Tai-Chung Harbor of TCU0 at 2018

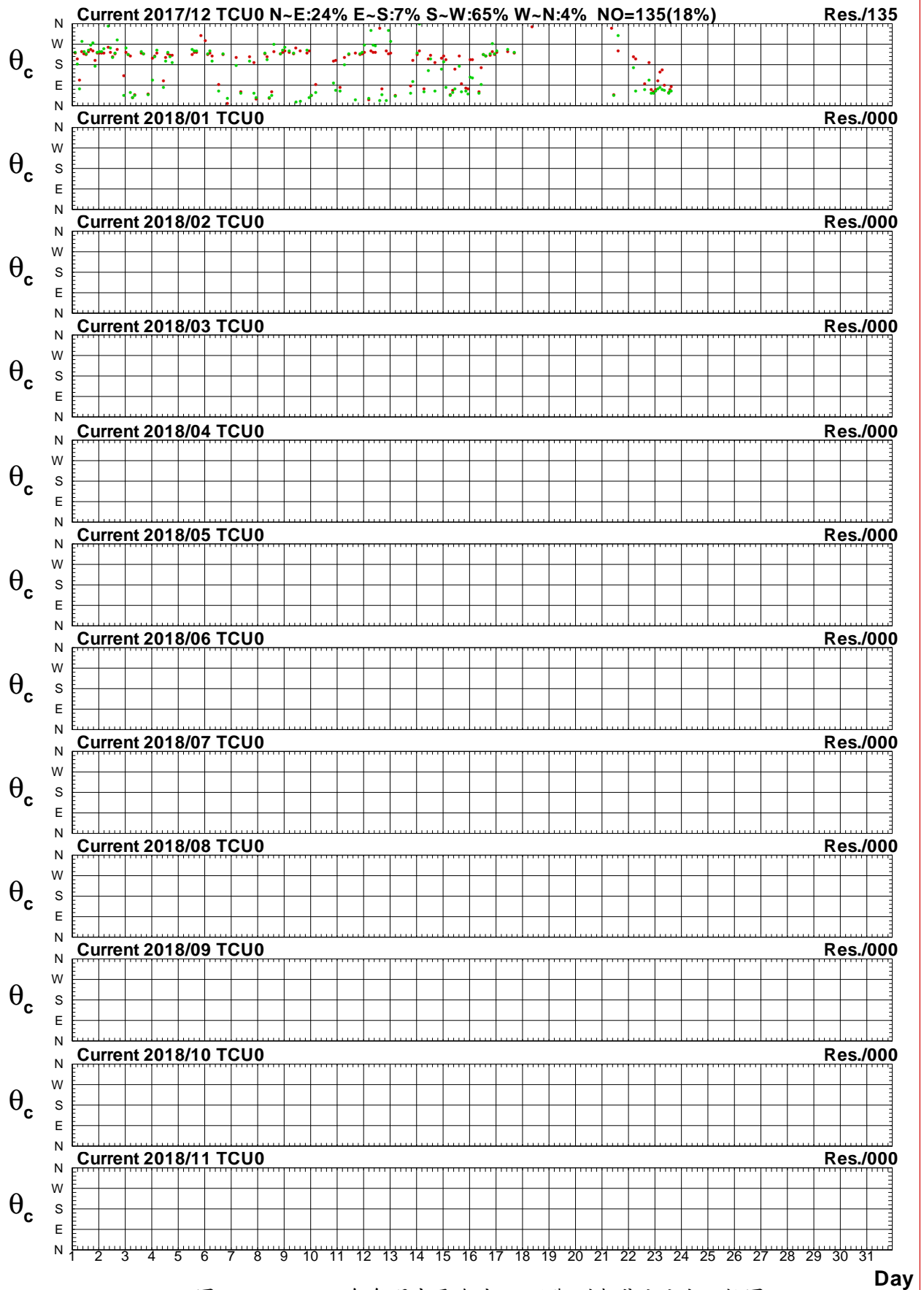


圖4.3.4b 2018年每月中雲海域 U 站觀測與殘流流向比較圖

C17CTCU0.1H0 C17CTCU0.1HR C181TCU0.1H0 C181TCU0.1HR C182TCU0.1H0 C182TCU0.1HR
 C183TCU0.1H0 C183TCU0.1HR C184TCU0.1H0 C184TCU0.1HR C185TCU0.1H0 C185TCU0.1HR

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4.4 2018年中雲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

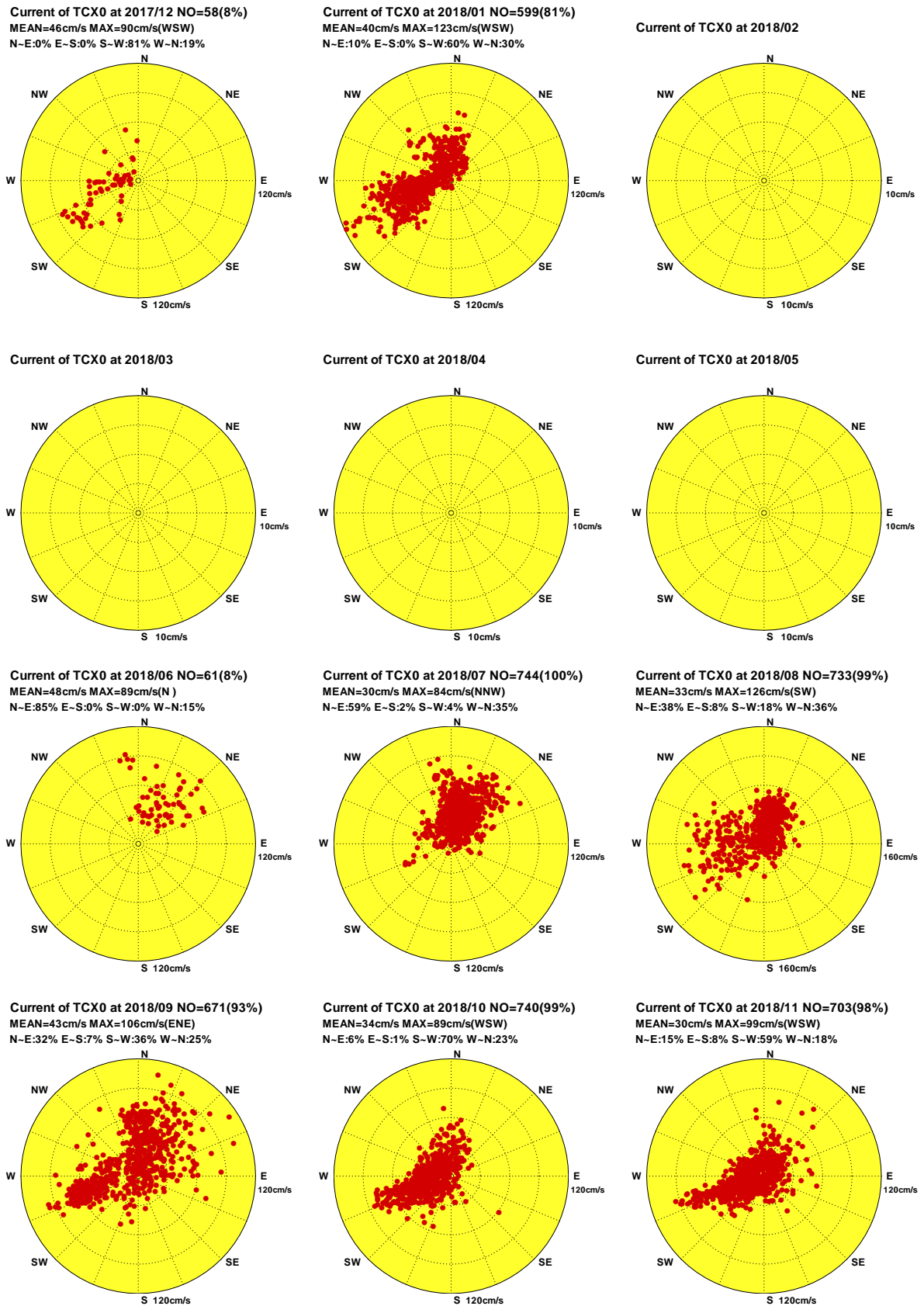


圖4.4.1a 2018年中雲海域每月測站 X 觀測海流向量分佈圖

C17CTCX0.1H0 C181TCX0.1H0 C182TCX0.1H0 C183TCX0.1H0 C184TCX0.1H0 C185TCX0.1H0
 C186TCX0.1H0 C187TCX0.1H0 C188TCX0.1H0 C189TCX0.1H0 C18ATCX0.1H0 C18BTCX0.1H0

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Distribution of Current Vectors

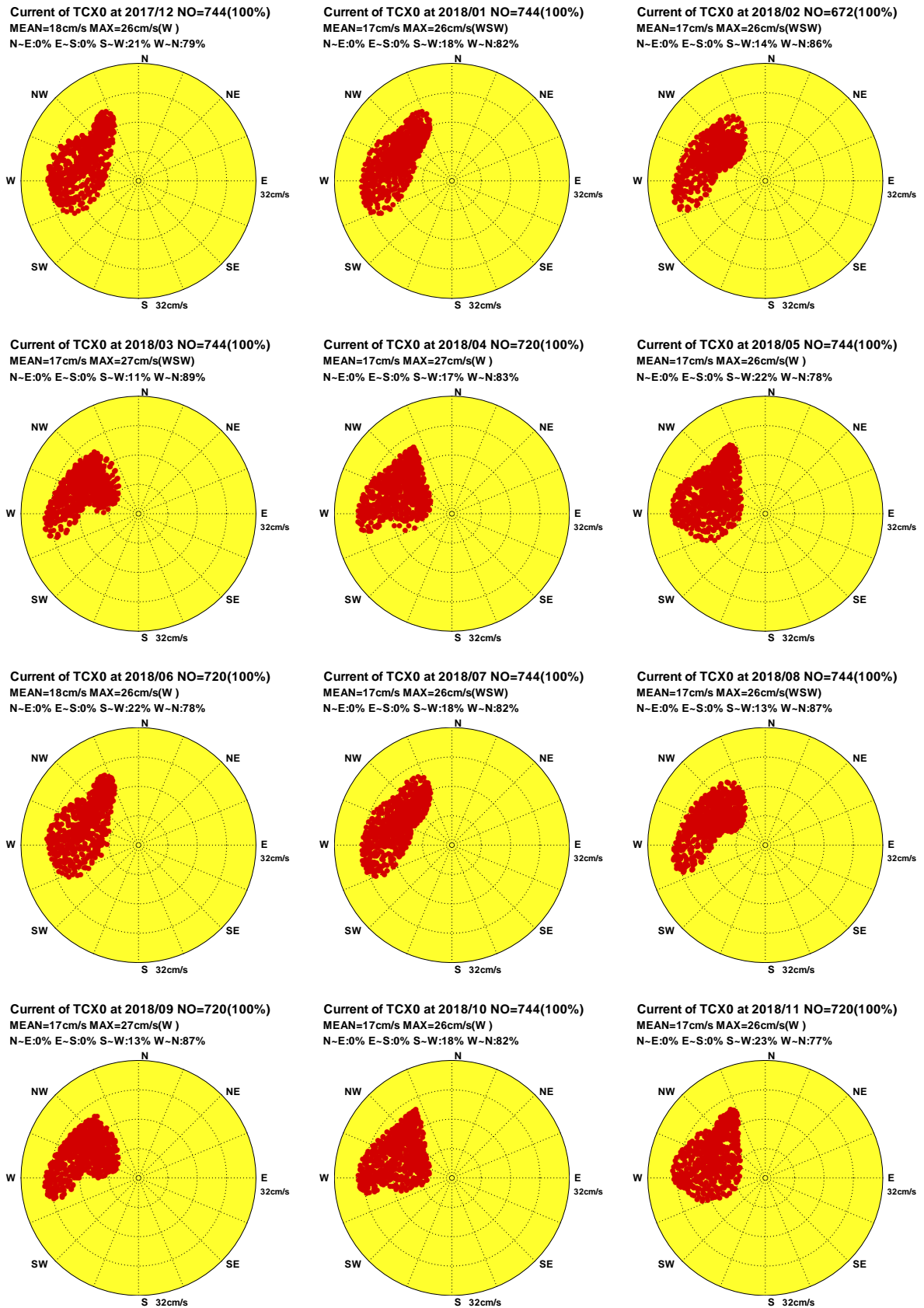


圖4.4.1b 2018年中雲海域每月測站 X 計算潮流向量分佈圖

C17CTCX0.1HD C181TCX0.1HD C182TCX0.1HD C183TCX0.1HD C184TCX0.1HD C185TCX0.1HD
 C186TCX0.1HD C187TCX0.1HD C188TCX0.1HD C189TCX0.1HD C18ATCX0.1HD C18BTCX0.1HD

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Distribution of Current Vectors

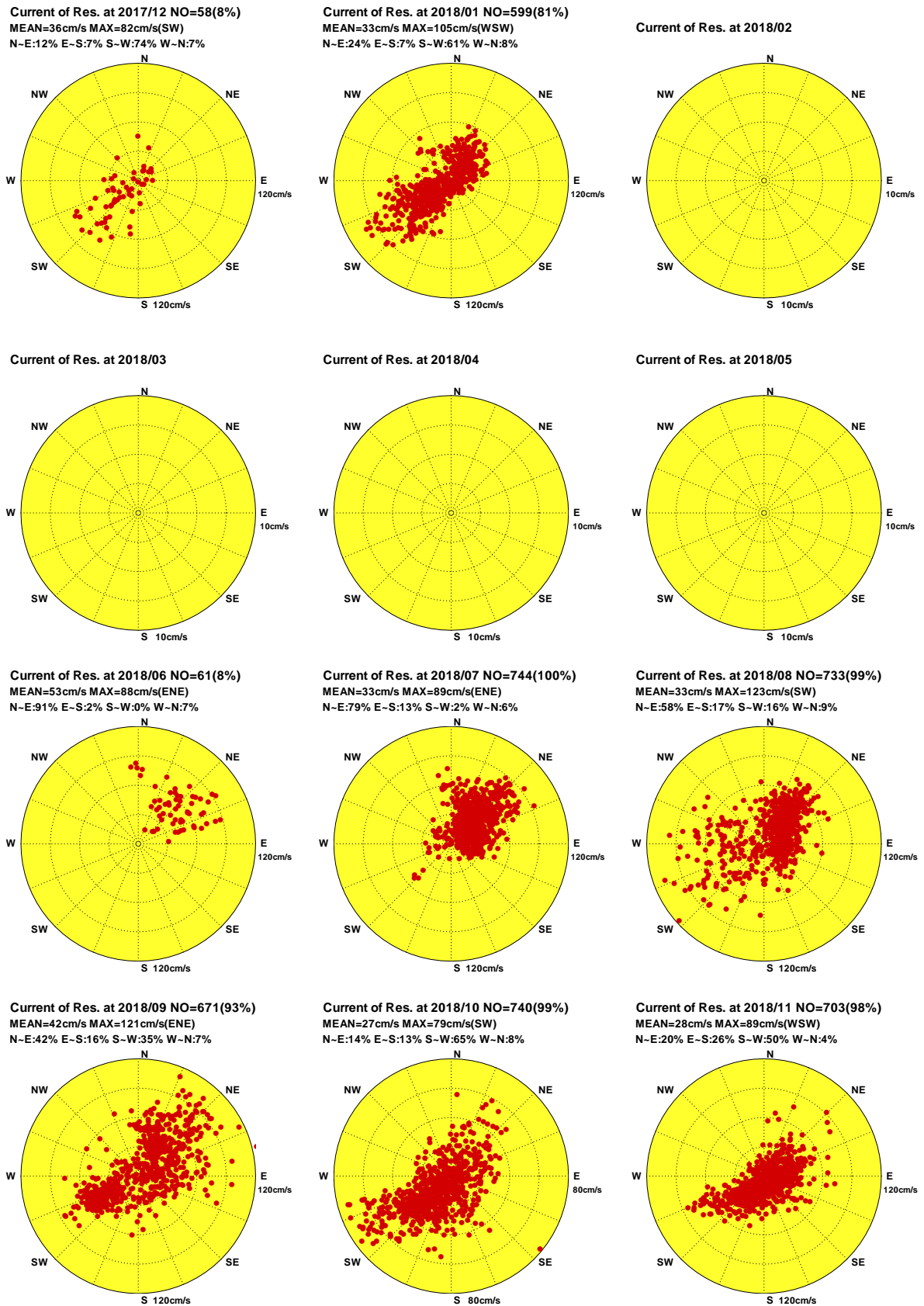


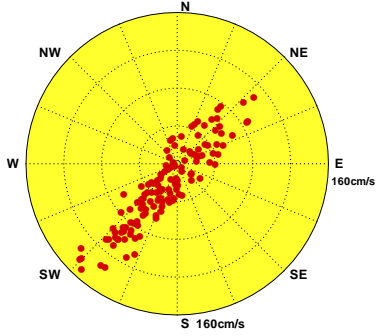
圖4.4.1c 2018年中雲海域每月測站 X 計算殘流向量分佈圖

C17CTCX0.1HR C181TCX0.1HR C182TCX0.1HR C183TCX0.1HR C184TCX0.1HR C185TCX0.1HR
 C186TCX0.1HR C187TCX0.1HR C188TCX0.1HR C189TCX0.1HR C18ATCX0.1HR C18BTCX0.1HR

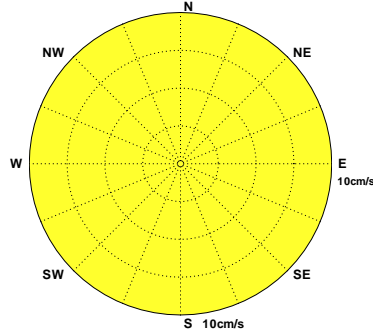
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Distribution of Current Vectors

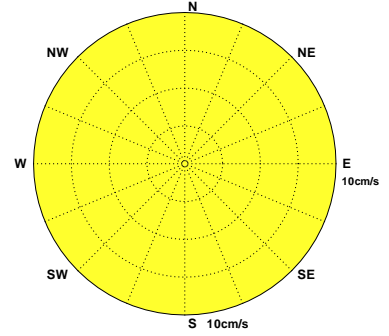
Current of TCU0 at 2017/12 NO=135(18%)
 MEAN=55cm/s MAX=158cm/s(SW)
 N-E:24% E-S:7% S-W:65% W-N:4%



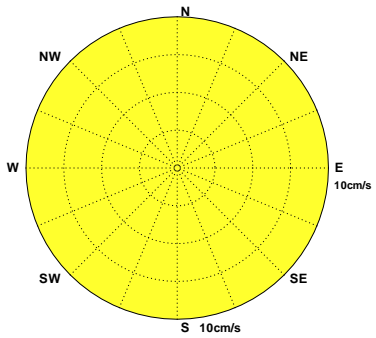
Current of TCU0 at 2018/01



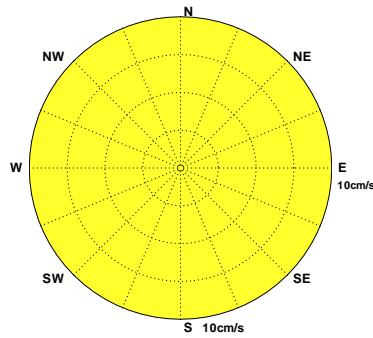
Current of TCU0 at 2018/02



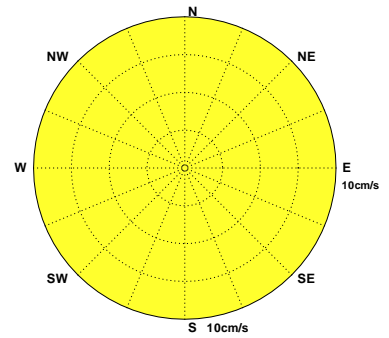
Current of TCU0 at 2018/03



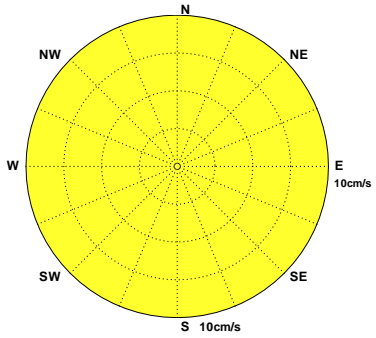
Current of TCU0 at 2018/04



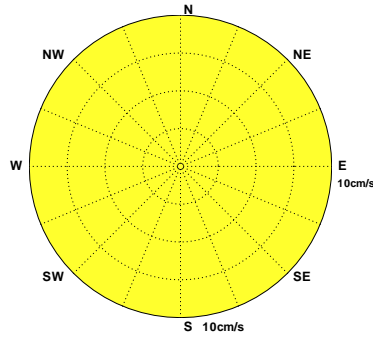
Current of TCU0 at 2018/05



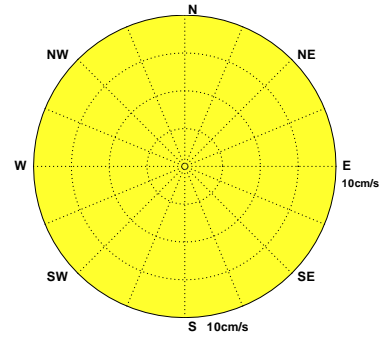
Current of TCU0 at 2018/06



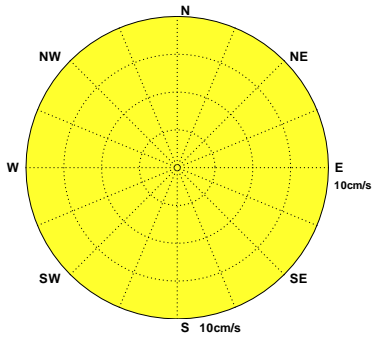
Current of TCU0 at 2018/07



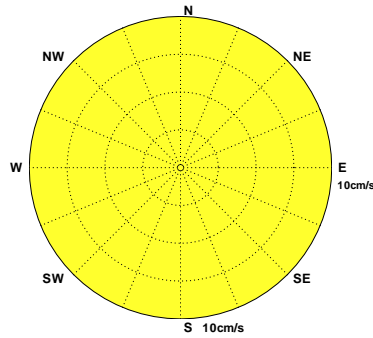
Current of TCU0 at 2018/08



Current of TCU0 at 2018/09



Current of TCU0 at 2018/10



Current of TCU0 at 2018/11

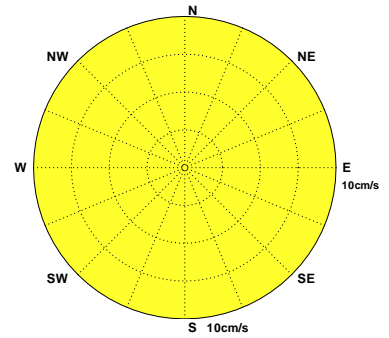


圖4.4.2a 2018年中雲海域每月測站 U 觀測海流向量分佈圖

C17CTCU0.1H0 C181TCU0.1H0 C182TCU0.1H0 C183TCU0.1H0 C184TCU0.1H0 C185TCU0.1H0
 C186TCU0.1H0 C187TCU0.1H0 C188TCU0.1H0 C189TCU0.1H0 C18ATCU0.1H0 C18BTCU0.1H0

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Distribution of Current Vectors

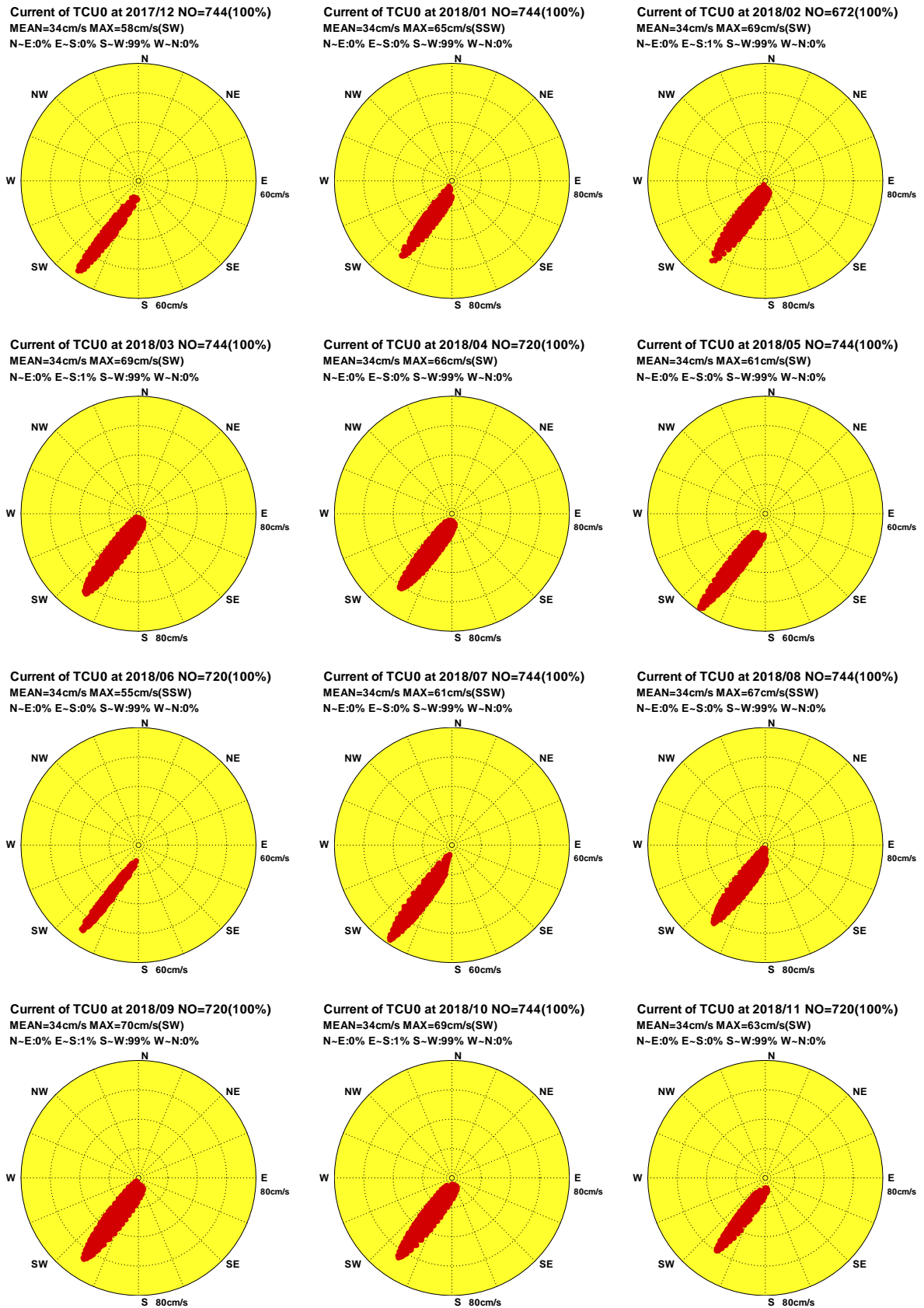


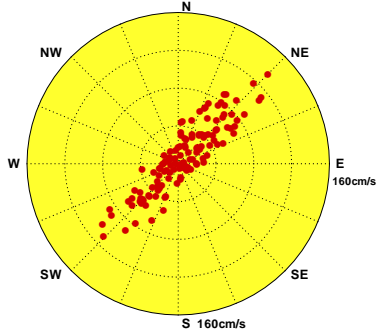
圖4.4.2b 2018年中雲海域每月測站 U 計算潮流向量分佈圖

C17CTCU0.1HD C181TCU0.1HD C182TCU0.1HD C183TCU0.1HD C184TCU0.1HD C185TCU0.1HD
 C186TCU0.1HD C187TCU0.1HD C188TCU0.1HD C189TCU0.1HD C18ATCU0.1HD C18BTCU0.1HD

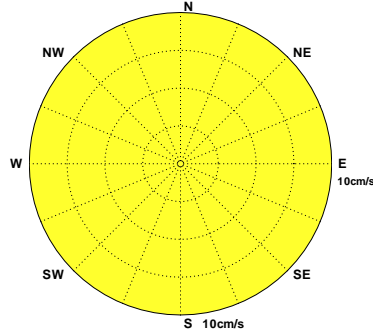
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Distribution of Current Vectors

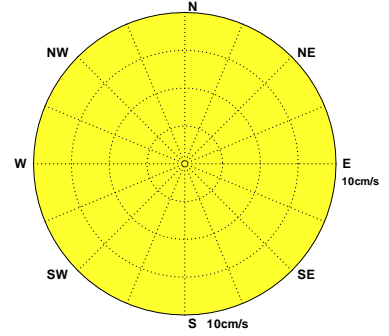
Current of Res. at 2017/12 NO=135(18%)
 MEAN=41 cm/s MAX=126cm/s(NE)
 N-E:39% E-S:10% S-W:42% W-N:9%



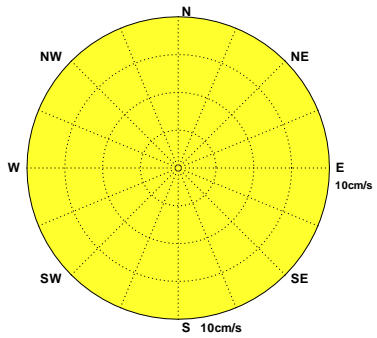
Current of Res. at 2018/01



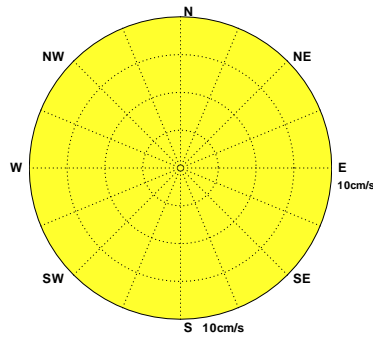
Current of Res. at 2018/02



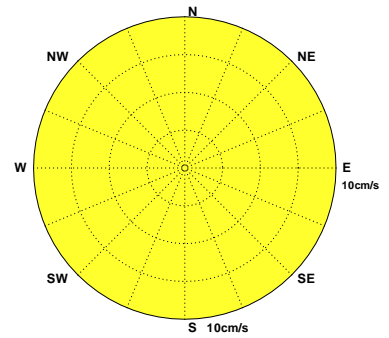
Current of Res. at 2018/03



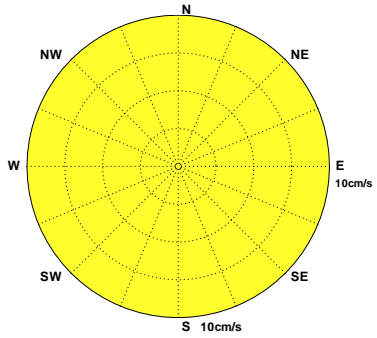
Current of Res. at 2018/04



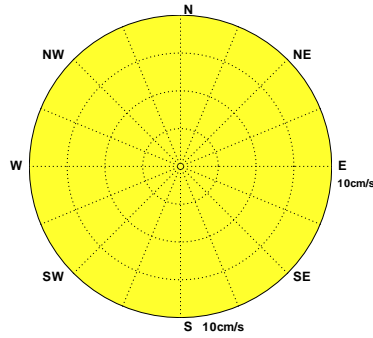
Current of Res. at 2018/05



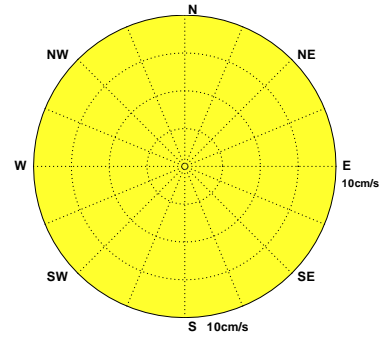
Current of Res. at 2018/06



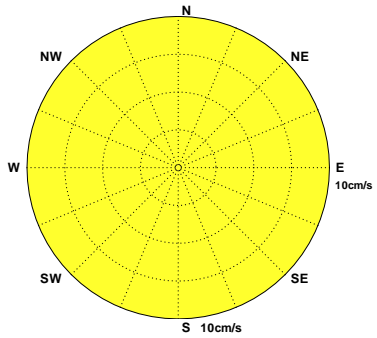
Current of Res. at 2018/07



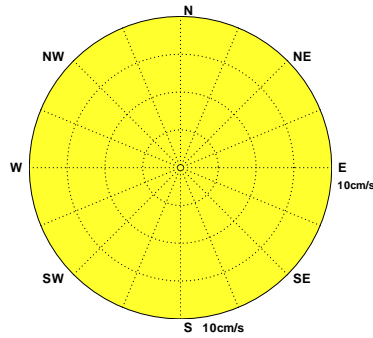
Current of Res. at 2018/08



Current of Res. at 2018/09



Current of Res. at 2018/10



Current of Res. at 2018/11

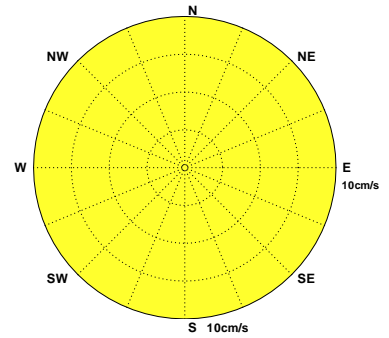


圖4.4.2c 2018年中雲海域每月測站 U 計算殘流向量分佈圖

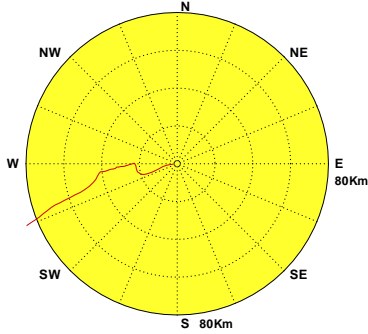
C17CTCU0.1HR C181TCU0.1HR C182TCU0.1HR C183TCU0.1HR C184TCU0.1HR C185TCU0.1HR
 C186TCU0.1HR C187TCU0.1HR C188TCU0.1HR C189TCU0.1HR C18ATCU0.1HR C18BTCU0.1HR

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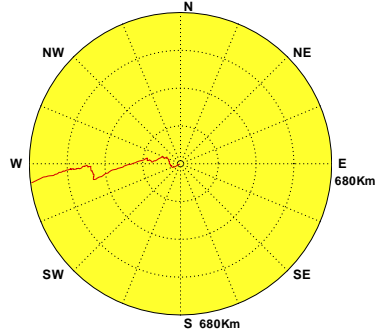
4.5 2018年中雲海域各測站觀測海流與 計算潮流(殘流)向量行進圖

Progressive Vector Diagram of Current

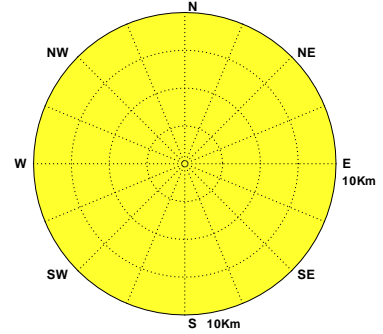
Current of TCX0 at 2017/12 NO=58(8%)
 MEAN=46cm/s MAX=90cm/s(WSW)
 N-E:0% E-S:0% S-W:81% W-N:19%



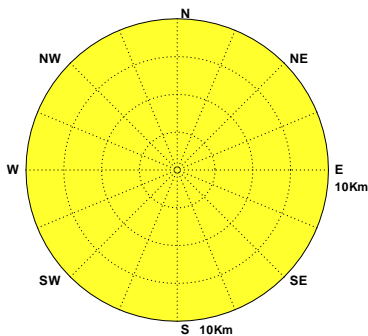
Current of TCX0 at 2018/01 NO=599(81%)
 MEAN=40cm/s MAX=123cm/s(WSW)
 N-E:10% E-S:0% S-W:60% W-N:30%



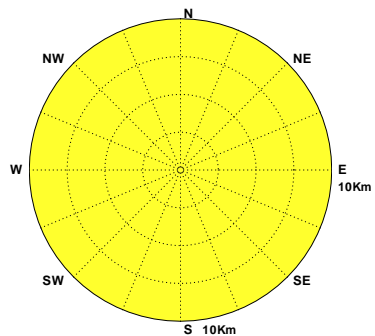
Current of TCX0 at 2018/02



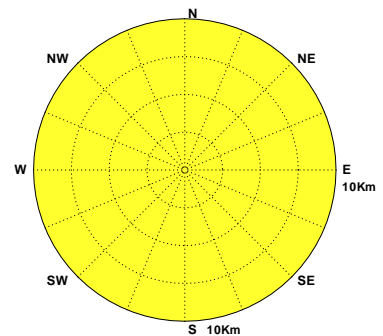
Current of TCX0 at 2018/03



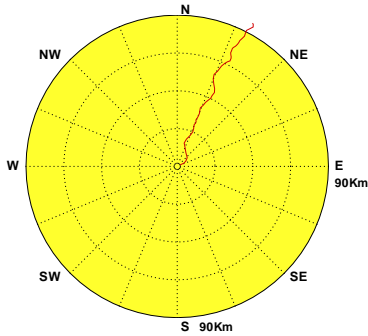
Current of TCX0 at 2018/04



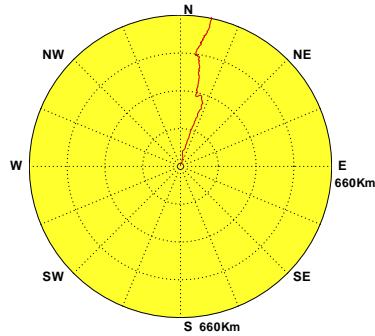
Current of TCX0 at 2018/05



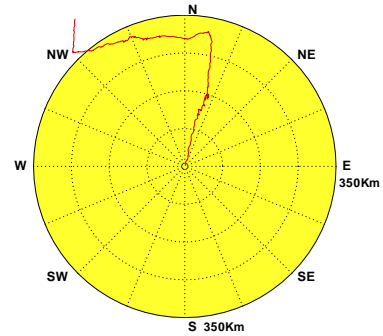
Current of TCX0 at 2018/06 NO=61(8%)
 MEAN=48cm/s MAX=89cm/s(N)
 N-E:85% E-S:0% S-W:0% W-N:15%



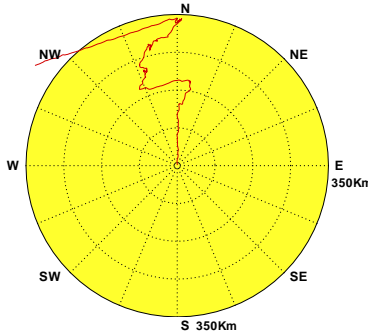
Current of TCX0 at 2018/07 NO=744(100%)
 MEAN=30cm/s MAX=84cm/s(NNW)
 N-E:59% E-S:2% S-W:4% W-N:35%



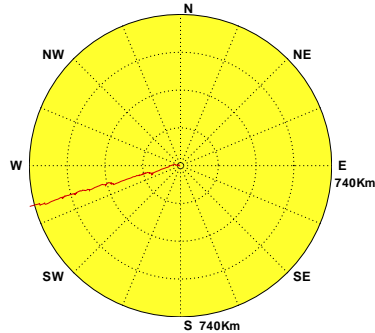
Current of TCX0 at 2018/08 NO=733(99%)
 MEAN=33cm/s MAX=126cm/s(SW)
 N-E:38% E-S:8% S-W:18% W-N:36%



Current of TCX0 at 2018/09 NO=671(93%)
 MEAN=43cm/s MAX=106cm/s(E)
 N-E:32% E-S:7% S-W:36% W-N:25%



Current of TCX0 at 2018/10 NO=740(99%)
 MEAN=34cm/s MAX=89cm/s(WSW)
 N-E:6% E-S:1% S-W:70% W-N:23%



Current of TCX0 at 2018/11 NO=703(98%)
 MEAN=30cm/s MAX=99cm/s(WSW)
 N-E:15% E-S:8% S-W:59% W-N:18%

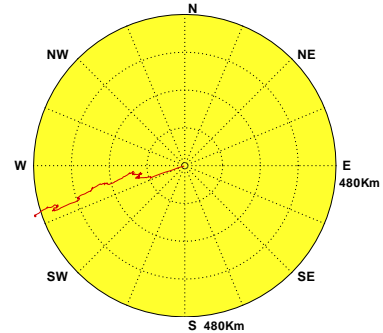


圖4.5.1a 2018年中雲海域每月測站 X 觀測海流向量行進圖

C17CTCX0.1H0 C181TCX0.1H0 C182TCX0.1H0 C183TCX0.1H0 C184TCX0.1H0 C185TCX0.1H0
 C186TCX0.1H0 C187TCX0.1H0 C188TCX0.1H0 C189TCX0.1H0 C18ATCX0.1H0 C18BTCX0.1H0

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Progressive Vector Diagram of Current

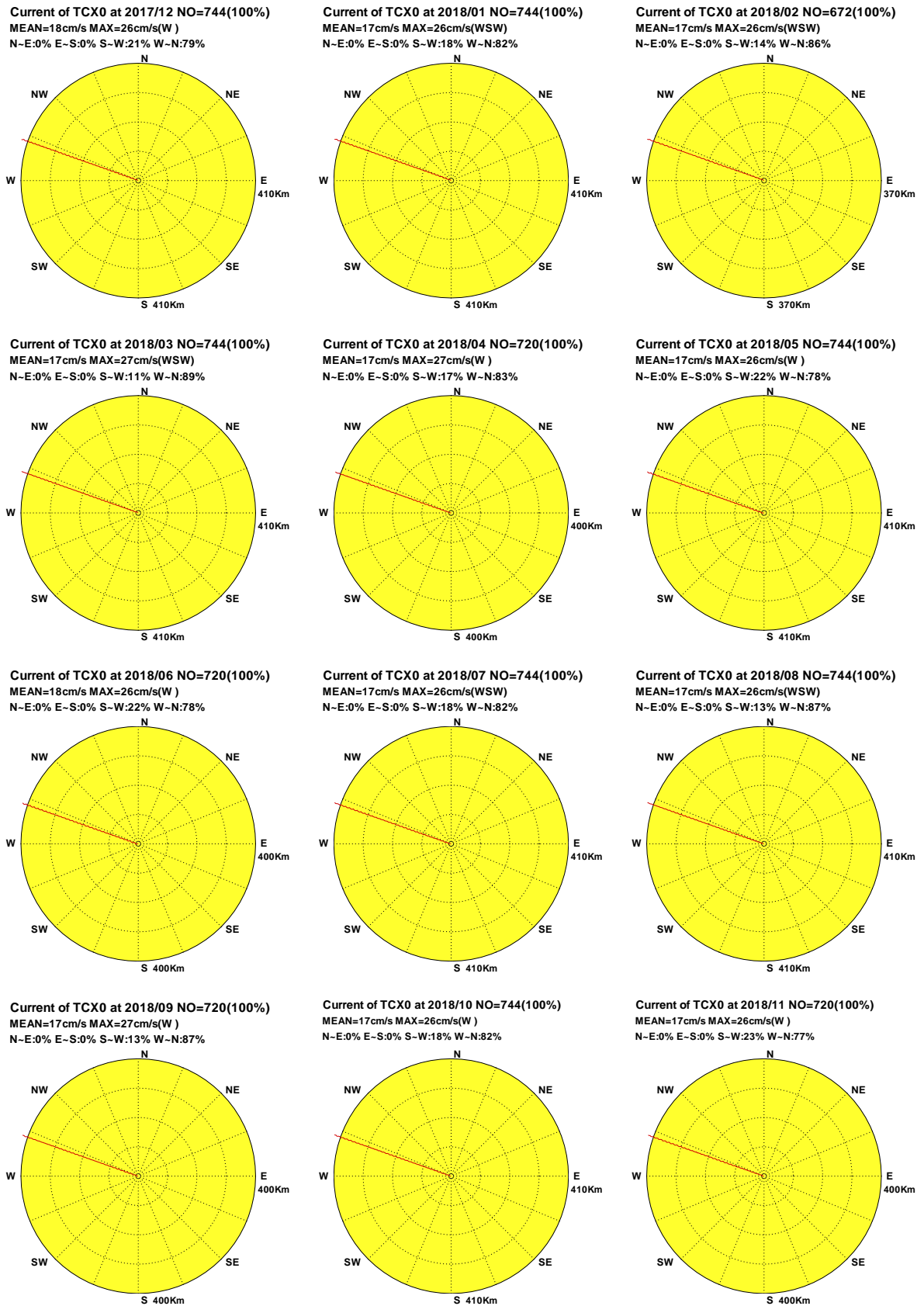


圖4.5.1b 2018年中雲海域每月測站 X 計算潮流向量行進圖

C17CTCX0.1HD C181TCX0.1HD C182TCX0.1HD C183TCX0.1HD C184TCX0.1HD C185TCX0.1HD
 C186TCX0.1HD C187TCX0.1HD C188TCX0.1HD C189TCX0.1HD C18ATCX0.1HD C18BTCX0.1HD

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Progressive Vector Diagram of Current

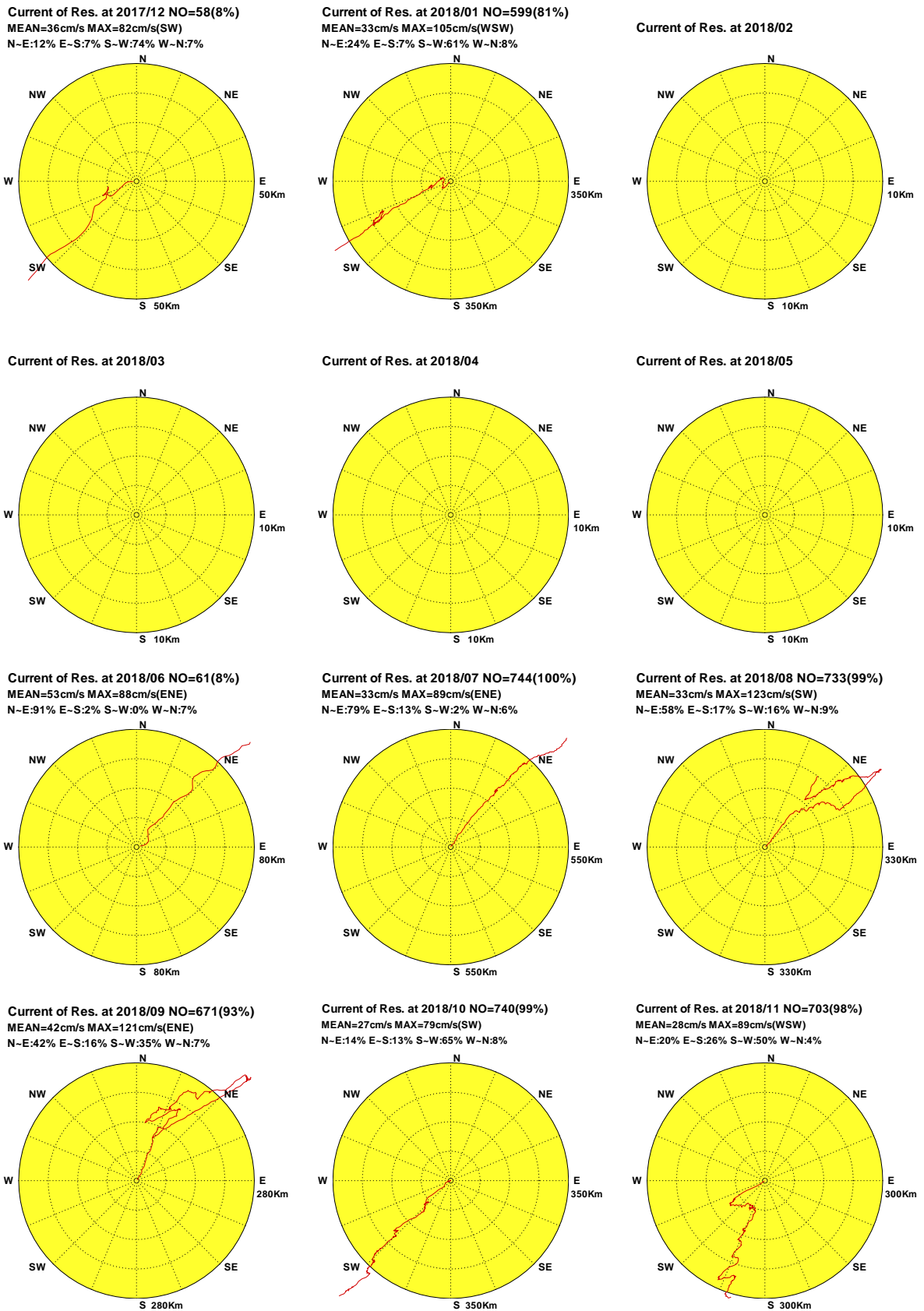


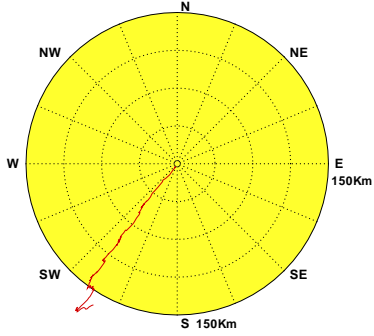
圖4.5.1c 2018年中雲海域每月測站 X 計算殘流向量行進圖

C17CTCX0.1HR C181TCX0.1HR C182TCX0.1HR C183TCX0.1HR C184TCX0.1HR C185TCX0.1HR
 C186TCX0.1HR C187TCX0.1HR C188TCX0.1HR C189TCX0.1HR C18ATCX0.1HR C18BTCX0.1HR

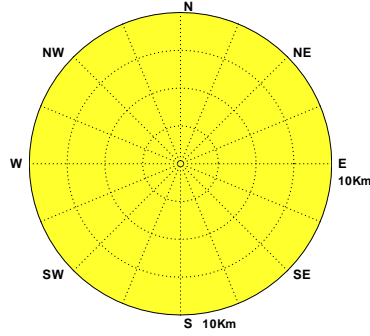
Institute of Harbor & Marine Technology

Progressive Vector Diagram of Current

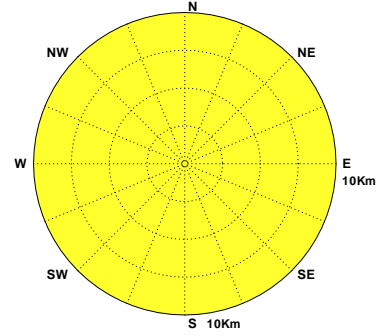
Current of TCU0 at 2017/12 NO=135(18%)
 MEAN=55cm/s MAX=158cm/s(SW)
 N-E:24% E-S:7% S-W:65% W-N:4%



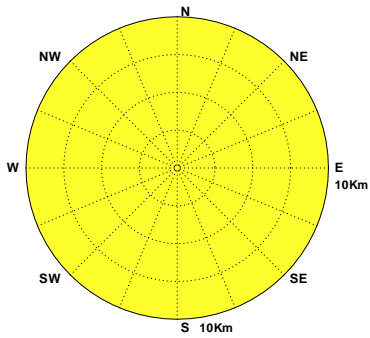
Current of TCU0 at 2018/01



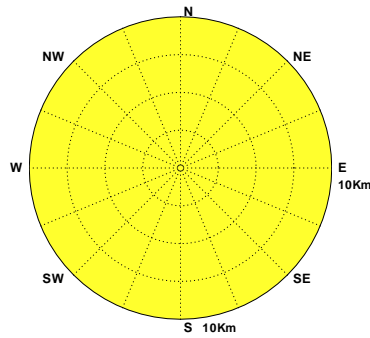
Current of TCU0 at 2018/02



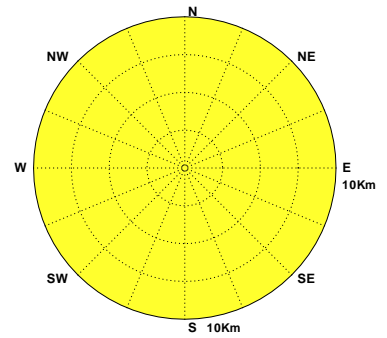
Current of TCU0 at 2018/03



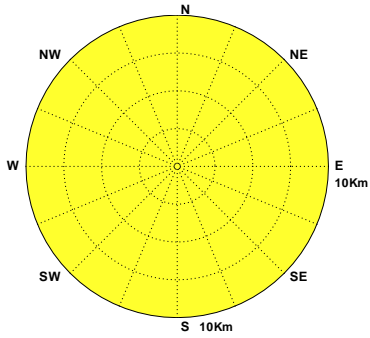
Current of TCU0 at 2018/04



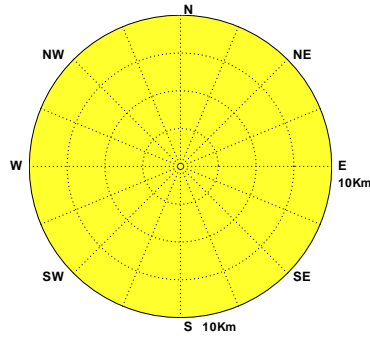
Current of TCU0 at 2018/05



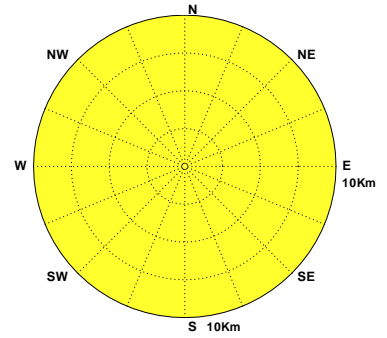
Current of TCU0 at 2018/06



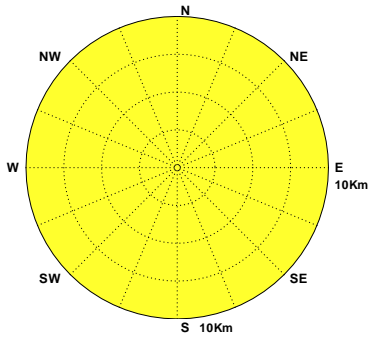
Current of TCU0 at 2018/07



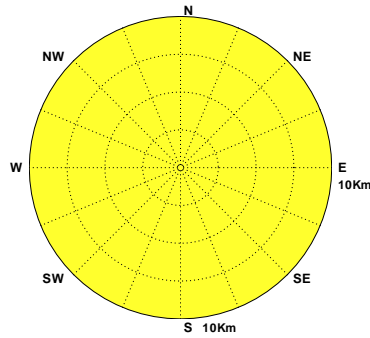
Current of TCU0 at 2018/08



Current of TCU0 at 2018/09



Current of TCU0 at 2018/10



Current of TCU0 at 2018/11

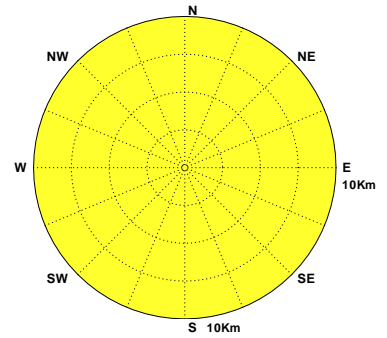


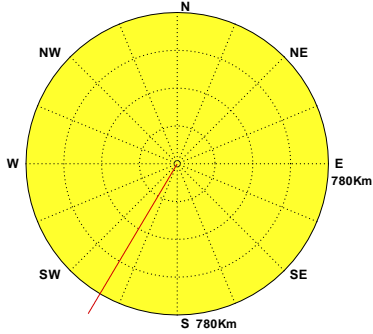
圖4.5.2a 2018年中雲海域每月測站 U 觀測海流向量行進圖

C17CTCU0.1H0 C181TCU0.1H0 C182TCU0.1H0 C183TCU0.1H0 C184TCU0.1H0 C185TCU0.1H0
 C186TCU0.1H0 C187TCU0.1H0 C188TCU0.1H0 C189TCU0.1H0 C18ATCU0.1H0 C18BTCU0.1H0

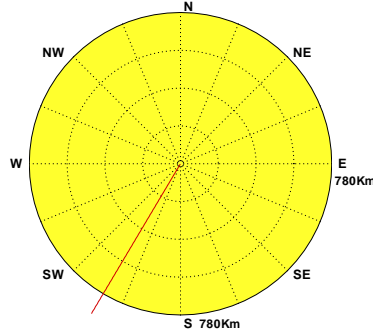
Institute of Harbor & Marine Technology

Progressive Vector Diagram of Current

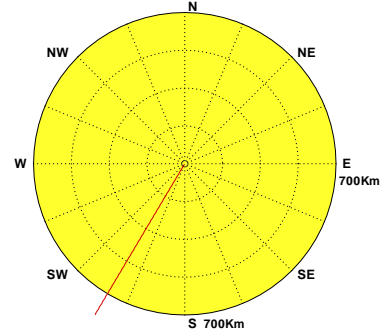
Current of TCU0 at 2017/12 NO=744(100%)
MEAN=34cm/s MAX=58cm/s(SW)
N-E:0% E-S:0% S-W:99% W-N:0%



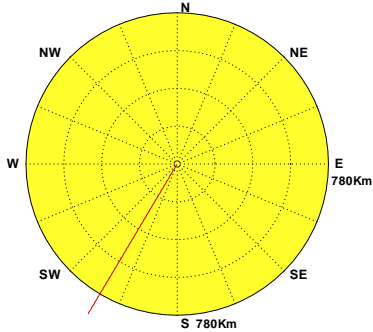
Current of TCU0 at 2018/01 NO=744(100%)
MEAN=34cm/s MAX=65cm/s(SSW)
N-E:0% E-S:0% S-W:99% W-N:0%



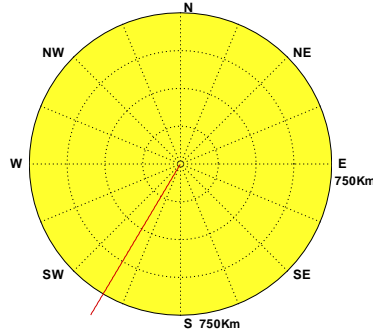
Current of TCU0 at 2018/02 NO=672(100%)
MEAN=34cm/s MAX=69cm/s(SW)
N-E:0% E-S:1% S-W:99% W-N:0%



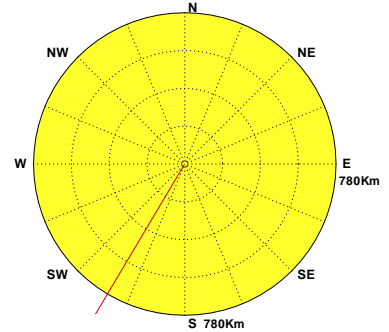
Current of TCU0 at 2018/03 NO=744(100%)
MEAN=34cm/s MAX=69cm/s(SW)
N-E:0% E-S:1% S-W:99% W-N:0%



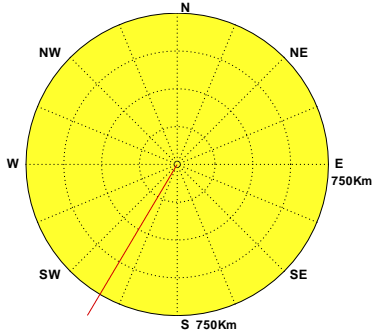
Current of TCU0 at 2018/04 NO=720(100%)
MEAN=34cm/s MAX=66cm/s(SW)
N-E:0% E-S:0% S-W:99% W-N:0%



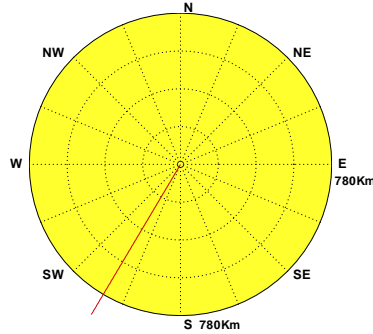
Current of TCU0 at 2018/05 NO=744(100%)
MEAN=34cm/s MAX=61cm/s(SW)
N-E:0% E-S:0% S-W:99% W-N:0%



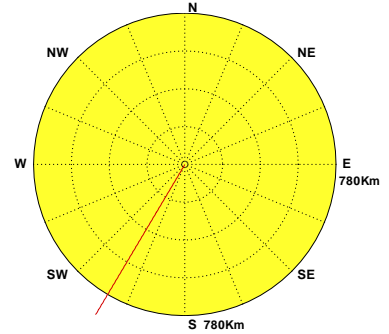
Current of TCU0 at 2018/06 NO=720(100%)
MEAN=34cm/s MAX=55cm/s(SSW)
N-E:0% E-S:0% S-W:99% W-N:0%



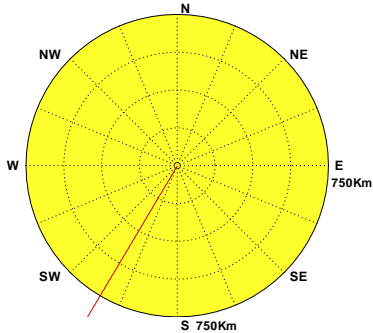
Current of TCU0 at 2018/07 NO=744(100%)
MEAN=34cm/s MAX=61cm/s(SSW)
N-E:0% E-S:0% S-W:99% W-N:0%



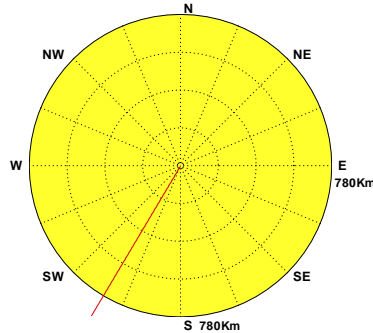
Current of TCU0 at 2018/08 NO=744(100%)
MEAN=34cm/s MAX=67cm/s(SSW)
N-E:0% E-S:0% S-W:99% W-N:0%



Current of TCU0 at 2018/09 NO=720(100%)
MEAN=34cm/s MAX=70cm/s(SW)
N-E:0% E-S:1% S-W:99% W-N:0%



Current of TCU0 at 2018/10 NO=744(100%)
MEAN=34cm/s MAX=69cm/s(SW)
N-E:0% E-S:1% S-W:99% W-N:0%



Current of TCU0 at 2018/11 NO=720(100%)
MEAN=34cm/s MAX=63cm/s(SW)
N-E:0% E-S:0% S-W:99% W-N:0%

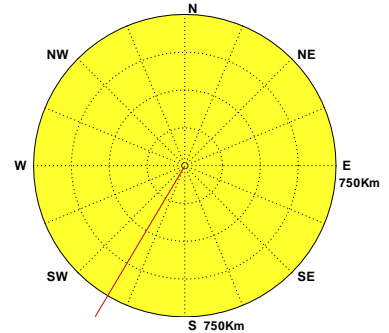


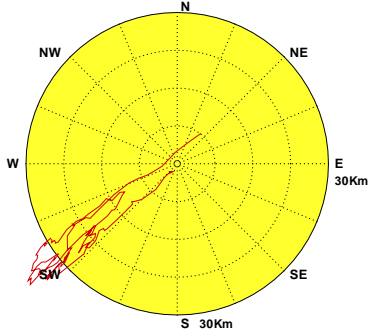
圖4.5.2b 2018年中雲海域每月測站 U 計算潮流向量行進圖

C17CTCU0.1HD C181TCU0.1HD C182TCU0.1HD C183TCU0.1HD C184TCU0.1HD C185TCU0.1HD
C186TCU0.1HD C187TCU0.1HD C188TCU0.1HD C189TCU0.1HD C18ATCU0.1HD C18BTCU0.1HD

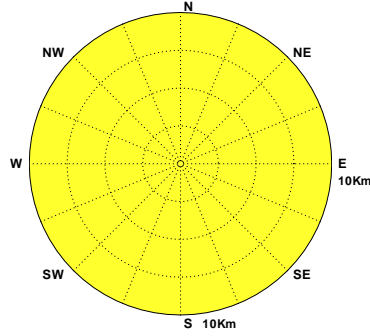
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Progressive Vector Diagram of Current

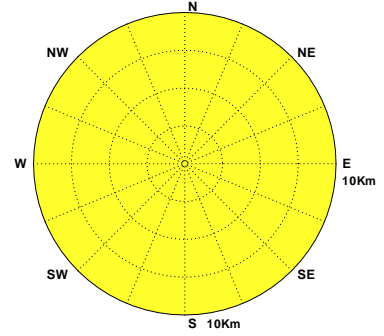
Current of Res. at 2017/12 NO=135(18%)
 MEAN=41 cm/s MAX=126cm/s(NE)
 N-E:39% E-S:10% S-W:42% W-N:9%



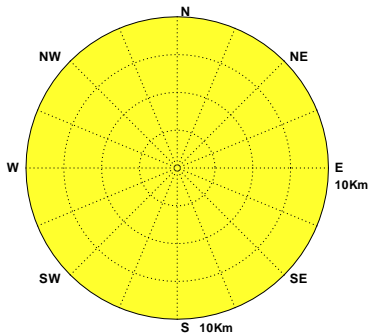
Current of Res. at 2018/01



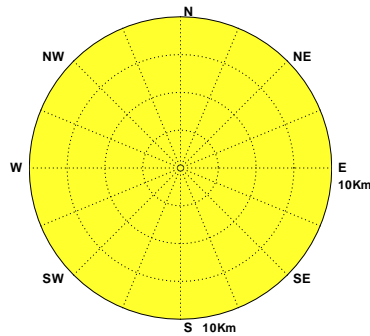
Current of Res. at 2018/02



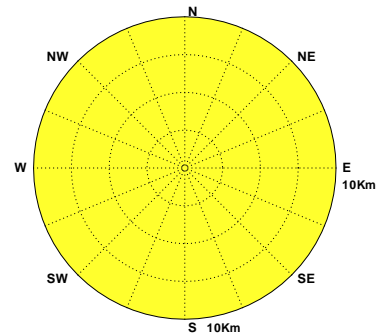
Current of Res. at 2018/03



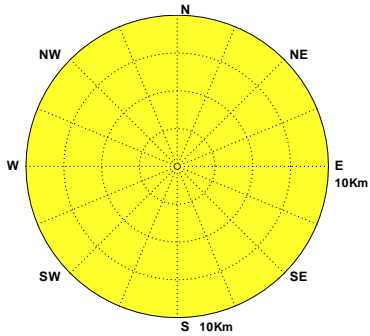
Current of Res. at 2018/04



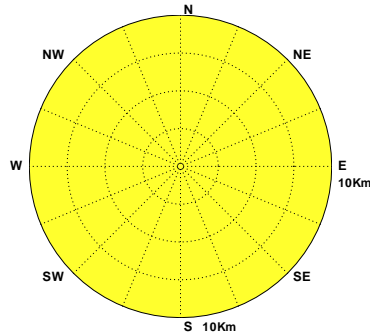
Current of Res. at 2018/05



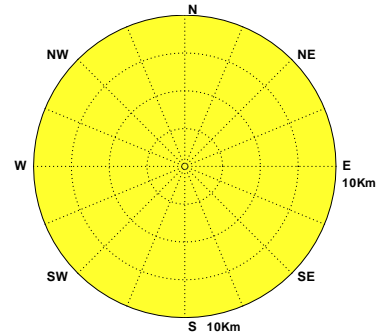
Current of Res. at 2018/06



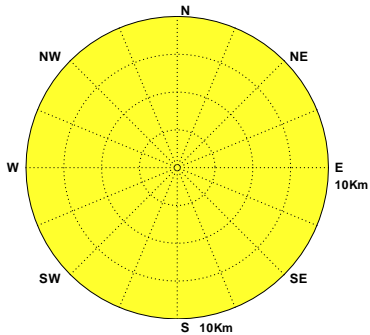
Current of Res. at 2018/07



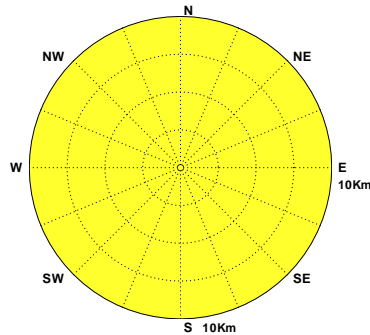
Current of Res. at 2018/08



Current of Res. at 2018/09



Current of Res. at 2018/10



Current of Res. at 2018/11

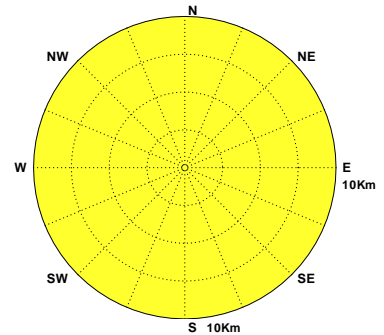


圖4.5.2c 2018年中雲海域每月測站 U 計算殘流向量行進圖

C17CTCU0.1HR C181TCU0.1HR C182TCU0.1HR C183TCU0.1HR C184TCU0.1HR C185TCU0.1HR
 C186TCU0.1HR C187TCU0.1HR C188TCU0.1HR C189TCU0.1HR C18ATCU0.1HR C18BTCU0.1HR

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