

109-037-7B80

MOTC-IOT-108-H3DA001b-Y10

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



交通部運輸研究所

中華民國 109 年 2 月

GPN : 1010900094

定價:100 元

109-037-7B80

MOTC-IOT-108-H3DA001b-Y10

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

著者：蘇青和、李俊穎、傅怡釗
蔣敏玲、劉清松、陳鈞彥

交通部運輸研究所

中華民國 109 年 2 月

國家圖書館出版品預行編目(CIP)資料

港灣環境資訊網海氣象觀測資料年報(屏東海域風
浪潮流觀測資料). 2018年 / 蘇青和等著. -- 初
版. -- 臺北市 : 交通部運研所, 民 109.02
面 ; 公分
ISBN 978-986-531-066-0(平裝)

1. 海洋氣象

444.94

108022723

2018年港灣環境資訊網海氣象觀測資料年報(屏東海域風浪潮流觀測資料)

編輯：蘇青和、李俊穎、傅怡釧、蔣敏玲、劉清松、陳鈞彥

出版機關：交通部運輸研究所

地址：10548 臺北市敦化北路 240 號

網址：www.ihmt.gov.tw (中文版 > 中心出版品)

電話：(04)26587134

出版年月：中華民國 109 年 2 月

印刷者：

版(刷)次冊數：初版一刷 20 冊

本書同時登載於交通部運輸研究所港灣技術研究中心網站

定價：100 元

展售處：

交通部運輸研究所運輸資訊組•電話：(02)23496880

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

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

GPN：1010900094 ISBN：978-986-531-066-0(平裝)

著作財產權人：中華民國(代表機關：交通部運輸研究所)

本著作保留所有權利，欲利用本著作全部或部份內容者，須徵求交通部運輸研究所書面授權。

交通部運輸研究所自行研究計畫出版品摘要表

出版品名稱：2018 年港灣環境資訊網海氣象觀測資料年報(屏東海域風浪潮流觀測資料)			
國際標準書號(或叢刊號) ISBN 978-986-531-066-0 (平裝)	政府出版品統一編號 1010900094	運輸研究所出版品編號 109-037-7B80	計畫編號 108-H3DA001b-Y10
主辦單位：港灣技術研究中心 主管：蔡立宏 主持人：蘇青和 研究人員：李俊穎、傅怡釗、蔣敏玲、劉清松、陳鈞彥 研究助理：林珂如、謝佳紘 聯絡電話：04-26587175, 04-26587133, 04-26587132 傳真號碼：04-26571329			研究期間 自 108 年 01 月 至 108 年 12 月
關鍵詞:港灣環境資訊網、2018 年、屏東海域、觀測海氣象資料、年報			
摘要： <p style="text-align: center;">本港灣環境資訊網觀測海氣象資料年報，包括屏東海域2018年觀測風力、波浪、潮汐及海流等資料之觀測記錄表及逐時資料歷線圖。</p>			
出版日期	頁數	定價	本出版品取得方式
109 年 2 月	318	100 元	凡屬機密性出版品均不對外公開。普通性出版品，公營、公益機關團體及學校可函洽本所免費贈閱；私人及私營機關團體可按定價價購。
機密等級： <input type="checkbox"/> 密 <input type="checkbox"/> 機密 <input type="checkbox"/> 極機密 <input type="checkbox"/> 絕對機密 （解密條件： <input type="checkbox"/> 年 月 日解密， <input type="checkbox"/> 公布後解密， <input type="checkbox"/> 附件抽存後解密， <input type="checkbox"/> 工作完成或會議終了時解密， <input type="checkbox"/> 另行檢討後辦理解密） <input checked="" type="checkbox"/> 普通			
備註：本研究之結論與建議不代表交通部之意見。			

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

TITLE: Annual Report of Oceanographical Observation Data in Peng-Tung Offshoe Region at 2018			
ISBN(OR ISSN) 978-986-531-066-0 (pbk)	GOVERNMENT PUBLICATIONS NUMBER 1010900094	IOT SERIAL NUMBER 109-037-7B80	PROJECT NUMBER 108-H3DA001b-Y10
DIVISION: HARBOR & MARINE TECHNOLOGY CENTER DIVISION DIRECTION: Li-Hung Tsai PRINCIPAL INVESTIGATOR: Ching-Ho Su PROJECT STAFF: Chun-Ying Lee, Yi-Chuan Fu, Min-Ling Chiang, Ching-Sung Liu Chun-Yen Chen, Jenny Lin, Chia-Hon Shieh PHONE: 886-4-26587175, 886-4-26587133, 886-4-26587132 FAX: 886-4-26571329			PROJECT PERIOD FROM January 2019 TO December 2019
KEY WORDS: Harbor Environment Information Website, 2018, Annual Report, Peng-Tung Off-shoe Region, Oceanographical Observation Data			
ABSTRACT: This Annual report 2018 of Harbor Environment Information Website(HEIV) covers the observation data of winds, waves, tides and currents near Peng-Tung offshoe region in Taiwan. The contents in this Annual report include the records of observation and the time series of data.			
DATE OF PUBLICATION February 2020	NUMBER OF PAGES 318	PRICE 100	CLASSIFICATION <input type="checkbox"/> RESTRICTED <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET <input type="checkbox"/> TOP SECRET <input checked="" type="checkbox"/> UNCLASSIFIED
The views expressed in this publication are not necessarily those of the Ministry of Transportation and Communications.			

2018年港灣環境資訊網海氣象觀測資料年報 (屏東海域風浪潮流觀測資料)

目 錄

中文摘要	I
英文摘要	II
目錄	III
誌謝	V
第 0 章 屏東海域觀測風浪潮流資料蒐集	0-1
第一章 2018 年屏東海域觀測風力資料年報	1-1
1.1 2018 年屏東海域觀測風力資料年報圖表	1-1
1.2 2018 年屏東海域各測站修補前風力統計量統計表	1-2
1.3 2018 年屏東海域主要測站 1 與其他測站風力歷線比較圖 ...	1-3
1.4 2018 年屏東海域主要測站 2 與其他測站風力歷線比較圖 ...	1-4
1.5 2018 年屏東海域各測站修補前風力向量分佈圖	1-5
1.6 2018 年屏東海域各測站修補前風力向量行進圖	1-6
第二章 2018 年屏東海域觀測波浪資料年報	2-1
2.1 2018 年屏東海域觀測波浪資料年報圖表	2-1
2.2 2018 年屏東海域各測站修補前波浪統計量統計表	2-2
2.3 2018 年屏東海域主要測站 1 與其他測站波浪歷線比較圖 ...	2-3
2.4 2018 年屏東海域主要測站 2 與其他測站波浪歷線比較圖 ...	2-4
2.5 2018 年屏東海域各測站修補前波浪向量分佈圖	2-5
第三章 2018 年屏東海域觀測潮汐資料年報	3-1
3.1 2018 年屏東海域觀測潮汐資料年報圖表	3-1
3.2 2018 年屏東海域各測站修補前潮汐統計量統計表	3-2
3.3 2018 年屏東海域主要測站 1 與其他測站潮汐歷線比較圖 ...	3-3
3.4 2018 年屏東海域主要測站 2 與其他測站潮汐歷線比較圖 ...	3-4

3.5	2018 年屏東海域主要測站 3 與其他測站潮汐歷線比較圖 ...	3-5
第四章	2018 年屏東海域觀測海流資料年報	4-1
4.1	2018 年屏東海域觀測海流資料年報圖表	4-1
4.2	2018 年屏東海域各測站海流統計量統計表	4-2
4.3	2018 年屏東海域各測站海流歷線比較圖	4-3
4.4	2018 年屏東海域各測站海流向量分佈圖	4-4
4.5	2018 年屏東海域各測站海流向量行進圖	4-5

誌 謝

2018 年港灣環境資訊網觀測風力資料，蒐集之屏東海域風力資料，除本中心自行觀測之外，在小琉球海上浮標(測站 Y)、恆春氣象站(測站 O)等觀測風力資料，係交通部 中央氣象局(CWB)提供。林邊氣象站(測站 H)、鵝鑾鼻海上浮標 (測站 Z)、大鵬灣海上浮標(測站 U) 等觀測風力資料，係經濟部 水利署(WRA)提供。大鵬灣水質氣象站(測站 C 及測站 I) ，係交通部 觀光局(TB)所設置，謹致謝忱。

2018 年港灣環境資訊網觀測波浪資料，蒐集之屏東海域波浪資料，除本中心自行觀測之外，在小琉球海上浮標(測站 Y)、大鵬灣海上浮標(測站 U)等觀測波浪資料，係交通部 中央氣象局(CWB)提供。鵝鑾鼻海上浮標 (測站 Z)觀測波浪資料，係經濟部 水利署(WRA)提供。南灣海上浮標(測站 R)觀測波浪儀，係 國立成功大學水文中心(COMC)裝設，謹致謝忱。

2018 年港灣海氣象觀測潮汐資料，蒐集之屏東海域潮汐觀測資料，除本中心自行觀測之外，在小琉球(測站 J)、東港(測站 P)、後壁湖(測站 Q)等觀測潮汐資料，係交通部 中央氣象局 提供。罴廣嘴(測站 F)、林邊(測站 K)、嘉和(測站 M) 等觀測潮汐資料，係經濟部 水利署 提供，謹致謝忱。

2018 年港灣環境資訊網觀測海流資料，蒐集之屏東海域海流資料，除本中心自行觀測之外，在小琉球海上浮標(測站 Y)等觀測海流資料，係交通部 中央氣象局(CWB)提供。鵝鑾鼻海上浮標(測站 Z)觀測海流資料，係經濟部 水利署(WRA)提供，謹致謝忱。

第 0 章 屏東海域觀測風浪潮流資料蒐集

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

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

表 WD1 屏東海域觀測風力資料測站統計表

海域名稱	測站總數	IHMT 測站	CWB 測站	WRA 測站	其他 測站	備註
屏東海域	10	0	4	4	2	

表 VD1 屏東海域觀測波浪資料測站統計表

海域名稱	測站總數	IHMT 測站	CWB 測站	WRA 測站	其他 測站	備註
屏東海域	4	0	1	2	1	

表 TD1 屏東海域觀測潮汐資料測站統計表

海域名稱	測站總數	IHMT 測站	CWB 測站	WRA 測站	其他 測站	備註
屏東海域	5	0	3	2	0	

表 CD1 屏東海域觀測海流資料測站統計表

海域名稱	測站總數	IHMT 測站	CWB 測站	WRA 測站	其他 測站	備註
屏東海域	2	0	0	2	0	

註:資料更新時間為 2018 年。

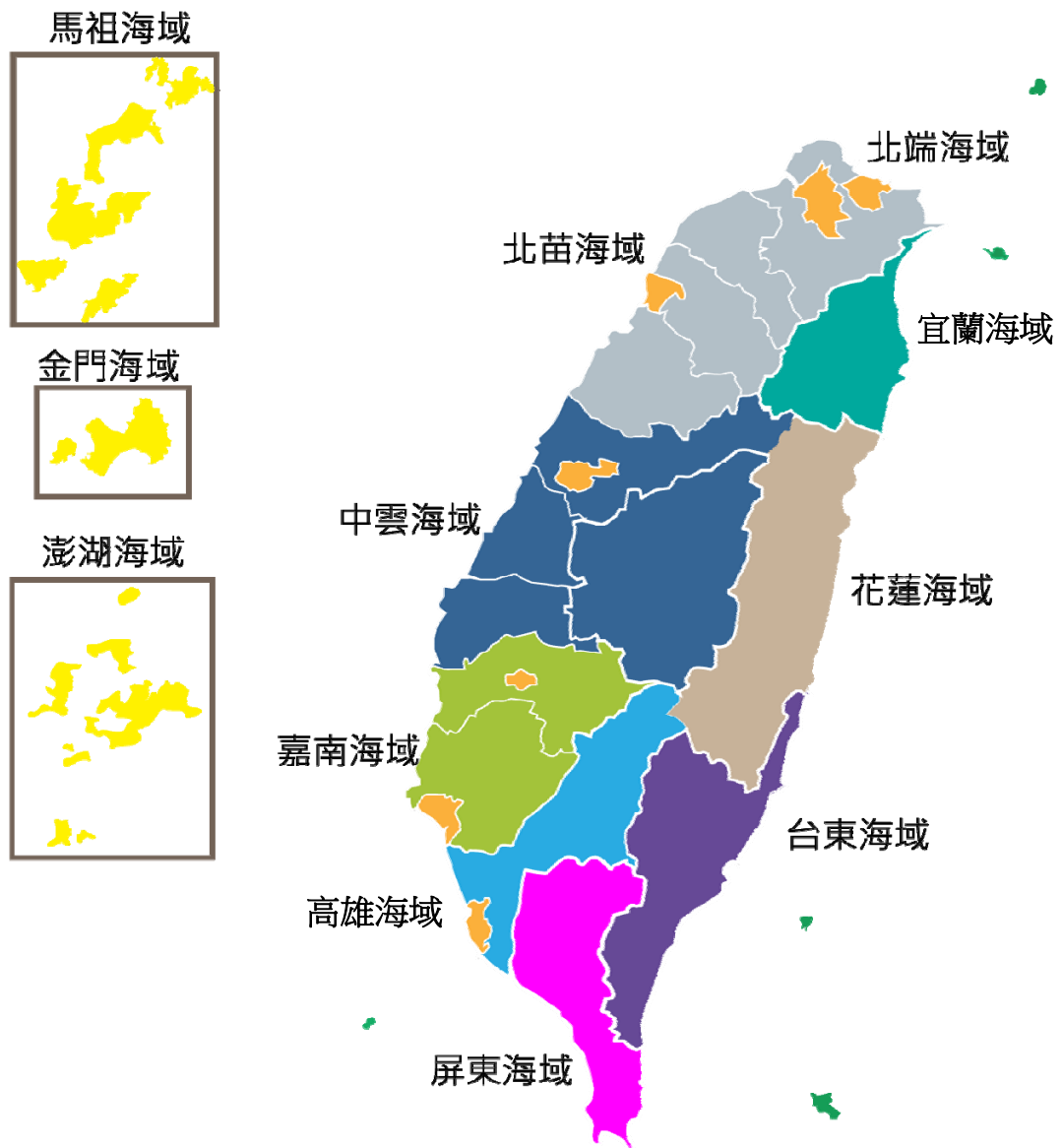


圖 A1 臺灣 12 海域區分示意圖

2018 年屏東海域觀測風力資料

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

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

風資料之蒐集係採取每小時測定之風速、風向數據加以平均，而得出該小時之平均風速、平均風向、最大陣風風速、最大陣風風向、最大陣風之發生時間。風力資料以取平均風速及平均風向為主。

表 WD1 屏東海域觀測風力資料蒐集概況表(統計時間至 2018 年 11 月)

測站	緯度	經度	觀測期間	觀測單位	備註
Y	22°18'50"N	120°21'50"E	2003/11-2018/11(觀測中)	中央氣象局	小琉球浮標站
Z	21°54'01"N	120°49'21"E	2000/10-2018/11(觀測中)	水利署	鵝鑾鼻浮標站
E	21°59'9"N	120°42'42"E	2006/12-2018/11(觀測中)	水利署	蟬廣嘴氣象站
H	22°24'53"N	120°31'7"E	2013/09-2018/11(觀測中)	水利署	林邊氣象站
I	22°26'55"N	120°27'9"E	2002/11-2018/11(觀測中)	觀光局	大鵬灣氣象站
O	22°00'20"N	120°44'17"E	2013/11-2018/11(觀測中)	中央氣象局	恆春氣象站
U	22°18'50"N	120°21'50"E	2002/11-2013/08	水利署	大鵬灣浮標
C	22°41'01"N	120°42'30"E	2014/11-2018/11(觀測中)	觀光局	大鵬灣氣象站
J	22°26'55"N	120°27'09"E	2016/03-2018/11(觀測中)	中央氣象局	小琉球氣象站
P	22°27'50"N	120°26'15"	2016/03-2018/11(觀測中)	中央氣象局	東港氣象站

屏東海域



圖 WD1 屏東海域風力觀測站位置示意圖

2018 年屏東海域觀測波浪資料

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

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

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

表 VD1 屏東海域觀測波浪資料蒐集概況表(統計時間至 2018 年 11 月)

測站	緯度	經度	觀測期間	觀測單位	備註
Y	22°18'50"N	120°21'50"E	2003/11-2018/11(觀測中)	中央氣象局	小琉球浮標站
Z	21°54'01"N	120°49'21"E	2000/10-2018/11(觀測中)	水利署	鵝鑾鼻浮標站
U	22°18'50"N	120°21'50"E	2002/11-2013/08	水利署	大鵬灣浮標
R	22°18'50"N	120°21'50"E	2003/11-2018/11(觀測中)	水文中心	南灣海上浮標

屏東海域



圖 VD1 屏東海域波浪觀測站位置示意圖

2018 年屏東海域觀測潮汐資料

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

表 TD1 屏東海域觀測潮汐資料蒐集概況表(統計時間至 2018 年 11 月)

測站	緯度	經度	觀測期間	觀測單位	備註
F	21°59'09"N	120°42'43"E	2009/01-2018/11(觀測中)	水利署	蟬廣嘴潮位站
K	22°24'53"N	120°31'07"E	2010/12-2018/11(觀測中)	水利署	林邊潮位站
J	22°21'13"N	120°22'42"E	2013/12-2018/11(觀測中)	中央氣象局	小琉球潮位站
P	22°27'50"N	120°26'15"E	2013/12-2018/11(觀測中)	中央氣象局	東港潮位站
Q	21°56'45"N	120°44'43"E	2013/12-2018/11(觀測中)	中央氣象局	後壁湖潮位站

屏東海域



圖 TD1 屏東海域潮汐觀測站位置示意圖

2018 年屏東海域觀測海流資料

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

表 CD1 屏東海域觀測海流資料蒐集概況表(統計時間至 2018 年 11 月)

測站	緯度	經度	觀測期間	觀測單位	備註
Y	22°18'50"N	120°21'50"E	2003/11-2015/9	中央氣象局	小琉球浮標站
Z	21°54'01"N	120°49'21"E	2000/10-2018/11(觀測中)	水利署	鵝鑾鼻浮標站

屏東海域

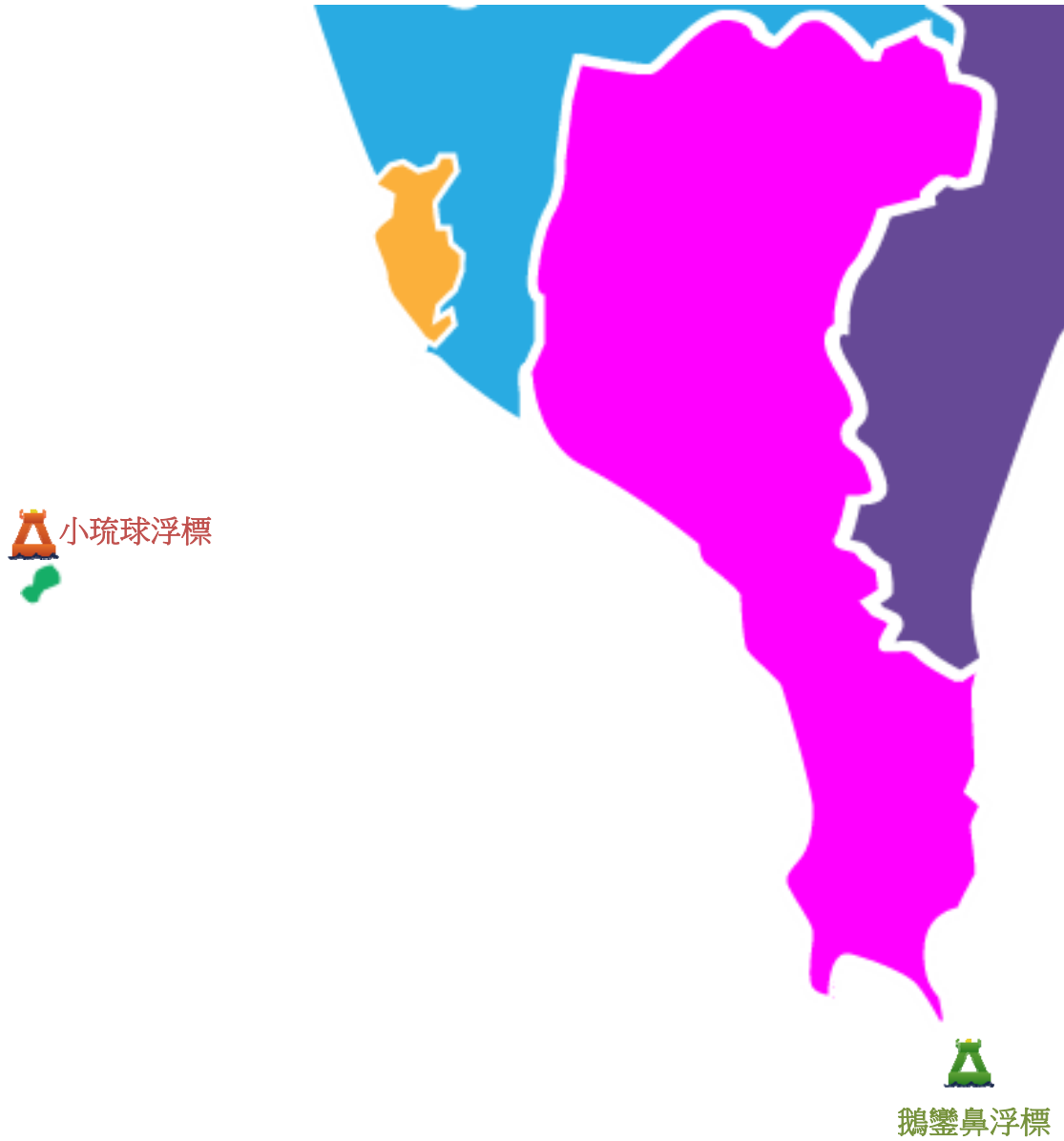


圖 CD1 屏東海域海流觀測站位置示意圖

第一章 2018 年屏東海域觀測風力資料

屏東海域風之觀測包括測站 **Y**、測站 **Z**、測站 **E**、測站 **H**、測站 **O**、測站 **I**、測站 **C**、測站 **J** 及測站 **P** 等 9 個測站(測站位置如第 0 章圖 WJ1)。本年報取經檢核及補遺之 **Y 站** 資料作為主要測站 1，**Z 站** 資料作為主要測站 2。

1.1 2018 年屏東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 年屏東海域**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 年屏東海域**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 年屏東海域**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 年屏東海域**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 年屏東海域**各測站****修補前**每月風力向量行進圖。

表 1.1.1a 2018年每月屏東海域修補前各測站觀測風力資料紀錄表

海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域
年月/測站	Y	Z	E	H	I	O	J	C	P	U		
2017/12月	703(94.5%)	744(100%)	738(99.2%)	741(99.6%)	738(99.2%)	744(100%)	556(74.7%)	698(93.8%)	551(74.1%)	*	*	*
2018/ 1月	711(95.6%)	743(99.9%)	735(98.8%)	729(98.0%)	740(99.5%)	744(100%)	709(95.3%)	709(95.3%)	711(95.6%)	*	*	*
2018/ 2月	623(92.7%)	672(100%)	664(98.8%)	669(99.6%)	672(100%)	672(100%)	631(93.9%)	655(97.5%)	655(97.5%)	*	*	*
2018/ 3月	677(91.0%)	744(100%)	729(98.0%)	742(99.7%)	744(100%)	744(100%)	707(95.0%)	738(99.2%)	708(95.2%)	*	*	*
2018/ 4月	656(91.1%)	720(100%)	710(98.6%)	715(99.3%)	716(99.4%)	720(100%)	670(93.1%)	631(87.6%)	696(96.7%)	*	*	*
2018/ 5月	429(57.7%)	744(100%)	728(97.8%)	742(99.7%)	743(99.9%)	744(100%)	326(43.8%)	653(87.8%)	403(54.2%)	*	*	*
2018/ 6月	251(34.9%)	720(100%)	714(99.2%)	707(98.2%)	720(100%)	720(100%)	679(94.3%)	713(99.0%)	681(94.6%)	*	*	*
2018/ 7月	*	744(100%)	735(98.8%)	743(99.9%)	744(100%)	744(100%)	680(91.4%)	736(98.9%)	705(94.8%)	*	*	*
2018/ 8月	608(81.7%)	743(99.9%)	732(98.4%)	738(99.2%)	743(99.9%)	744(100%)	723(97.2%)	740(99.5%)	723(97.2%)	*	*	*
2018/ 9月	606(84.2%)	720(100%)	709(98.5%)	709(98.5%)	720(100%)	720(100%)	667(92.6%)	601(83.5%)	665(92.4%)	*	*	*
2018/10月	623(83.7%)	744(100%)	728(97.8%)	739(99.3%)	744(100%)	744(100%)	454(61.0%)	735(98.8%)	491(66.0%)	*	*	*
2018/11月	592(82.2%)	720(100%)	708(98.3%)	711(98.8%)	719(99.9%)	720(100%)	671(93.2%)	715(99.3%)	670(93.1%)	*	*	*
2018/冬季	*	*	*	*	*	*	*	*	*	*	*	*
2018/春季	*	*	*	*	*	*	*	*	*	*	*	*
2018/夏季	*	*	*	*	*	*	*	*	*	*	*	*
2018/秋季	*	*	*	*	*	*	*	*	*	*	*	*
2018/整年	*	*	*	*	*	*	*	*	*	*	*	*
起始年月	*	*	*	*	*	*	*	*	*	*	*	*
結束年月	*	*	*	*	*	*	*	*	*	*	*	*

1-1-3

表 1.1.1b 2018年每月屏東海域修補後各測站風力資料紀錄表

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

F-1-1

表 1.1.2 2018 年屏東海域 Y 站修補後風速及風向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	風速 平均值 (m/s)	平均風 風速/風向 (m/s)/(來向)	最大風 風速/風向 (m/s)/(來向)	輕風 <3.3 (%)	和風 ~7.9 (%)	強風 ~13.8 (%)	疾風 >13.8 (%)	風向 N~E (%)	風向 E~S (%)	風向 S~W (%)	風向 W~N (%)	主要風向 方向/百分比
1	2017/12	744(100%)	3.5	2.9/NNW	8.8/NW	50.4	48.4	1.2	.0	21.9	.9	4.6	72.6	NW /28.4%
2	2018/01	744(100%)	3.4	2.7/NNW	10.3/N	49.1	50.0	.9	.0	24.3	3.5	3.9	68.3	NW /23.4%
3	2018/02	672(100%)	3.8	2.7/NNW	9.9/NW	39.3	58.0	2.7	.0	26.3	7.4	3.4	62.8	NNW/24.9%
4	2018/03	744(100%)	3.5	1.4/NNW	11.5/SE	54.3	42.1	3.6	.0	28.8	17.2	7.0	47.0	NW /14.4%
5	2018/04	720(100%)	3.2	.3/WSW	8.1/SE	58.1	41.1	.8	.0	17.4	28.3	17.2	37.1	NW /12.4%
6	2018/05	744(100%)	3.4	.9/SW	13.9/NNE	56.5	41.5	1.9	.1	15.3	28.4	26.7	29.6	WNW/12.8%
7	2018/06	720(100%)	4.5	1.4/S	22.5/SSE	43.8	45.3	8.8	2.2	19.7	29.2	25.4	25.7	S /11.0%
8	2018/07	744(100%)	2.8	.7/WNW	8.8/SSE	68.7	31.0	.3	.0	39.1	15.1	21.9	23.9	NNE/19.6%
9	2018/08	744(100%)	4.2	1.2/SSW	17.8/W	43.7	44.8	11.3	.3	26.6	27.3	26.2	19.9	NE / 9.4%
10	2018/09	720(100%)	3.4	.3/NNW	10.8/SE	59.6	35.0	5.4	.0	26.7	22.4	12.6	38.3	WNW/12.8%
11	2018/10	744(100%)	2.8	1.6/NW	10.6/NNW	70.2	27.2	2.7	.0	21.8	9.0	19.8	49.5	NW /16.8%
12	2018/11	720(100%)	2.7	1.9/NNW	7.8/N	70.6	29.4	.0	.0	23.6	5.1	8.2	63.1	NW /23.5%
13	2018/冬	2160(100%)	3.6	2.8/NNW	10.3/N	46.5	51.9	1.6	.0	24.1	3.8	4.0	68.1	NW /24.3%
14	2018/春	2208(100%)	3.4	.5/WNW	13.9/NNE	56.3	41.6	2.1	.0	20.5	24.6	17.0	37.9	WNW/11.4%
15	2018/夏	2208(100%)	3.8	.8/SSW	22.5/SSE	52.1	40.3	6.7	.8	28.6	23.8	24.5	23.1	NNE/11.4%
16	2018/秋	2184(100%)	3.0	1.3/NW	10.8/SE	66.8	30.5	2.7	.0	24.0	12.1	13.6	50.3	NW /17.4%
17	2018/年	8760(100%)	3.4	1.0/NW	22.5/SSE	55.4	41.1	3.3	.2	24.3	16.2	14.8	44.7	NW /14.5%

表 1.1.3 2018 年屏東海域 Z 站修補後風速及風向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	風速 平均值 (m/s)	平均風 風速/風向 (m/s)/(來向)	最大風 風速/風向 (m/s)/(來向)	輕風 <3.3 (%)	和風 ~7.9 (%)	強風 ~13.8 (%)	疾風 >13.8 (%)	風向 N~E (%)	風向 E~S (%)	風向 S~W (%)	風向 W~N (%)	主要風向 方向/百分比
1	2017/12	744(100%)	12.2	11.9/NE	19.6/NE	3.8	13.8	42.1	40.3	95.2	.1	.4	4.3	NE /80.1%
2	2018/01	744(100%)	11.3	11.1/NE	19.4/NE	5.0	12.4	55.4	27.3	96.0	.5	.0	3.5	NE /82.9%
3	2018/02	672(100%)	10.0	9.7/NE	17.7/NE	4.8	25.6	51.9	17.7	94.8	2.1	.1	3.0	NE /77.7%
4	2018/03	744(100%)	7.5	6.7/NE	15.7/NE	15.3	34.1	46.4	4.2	83.9	6.3	2.7	7.1	NE /41.3%
5	2018/04	720(100%)	7.6	6.4/ENE	17.5/NE	7.5	47.8	40.4	4.3	76.0	15.1	4.9	4.0	NE /38.1%
6	2018/05	744(100%)	4.8	1.7/NE	16.0/NE	43.4	38.2	15.6	2.8	37.6	18.8	21.0	22.6	NE /22.8%
7	2018/06	720(100%)	5.9	.7/NNW	13.9/NE	19.3	56.3	24.2	.3	42.8	5.1	32.8	19.3	NE /28.2%
8	2018/07	744(100%)	6.4	1.6/N	14.9/NE	21.1	43.1	34.5	1.2	41.9	5.4	23.0	29.7	NE /19.8%
9	2018/08	744(100%)	5.7	3.1/WSW	18.1/WSW	21.6	57.8	19.1	1.5	18.0	5.5	36.8	39.7	WNW/18.7%
10	2018/09	720(100%)	6.1	4.2/NE	18.4/ENE	26.3	46.0	23.9	3.9	66.8	8.6	2.1	22.5	NE /40.1%
11	2018/10	744(100%)	8.6	8.0/NE	19.0/NE	12.4	38.0	32.5	17.1	87.4	.3	1.6	10.8	NE /66.8%
12	2018/11	720(100%)	9.3	9.1/NE	20.9/NE	5.1	28.6	57.4	8.9	97.1	.6	.1	2.2	NE /71.3%
13	2018/冬	2160(100%)	11.2	10.9/NE	19.6/NE	4.5	17.0	49.7	28.8	95.3	.9	.2	3.6	NE /80.3%
14	2018/春	2208(100%)	6.7	4.9/NE	17.5/NE	22.2	39.9	34.1	3.8	65.7	13.4	9.6	11.3	NE /34.0%
15	2018/夏	2208(100%)	6.0	1.3/WNW	18.1/WSW	20.7	52.4	26.0	1.0	34.1	5.3	30.8	29.7	NE /18.7%
16	2018/秋	2184(100%)	8.0	7.1/NE	20.9/NE	14.6	37.5	37.9	10.0	83.8	3.1	1.3	11.8	NE /59.5%
17	2018/年	8760(100%)	7.9	5.6/NE	20.9/NE	15.6	36.8	36.8	10.8	69.6	5.7	10.5	14.2	NE /47.9%

Wind Speed in Peng-Tung Seas of PNY0 at 2018

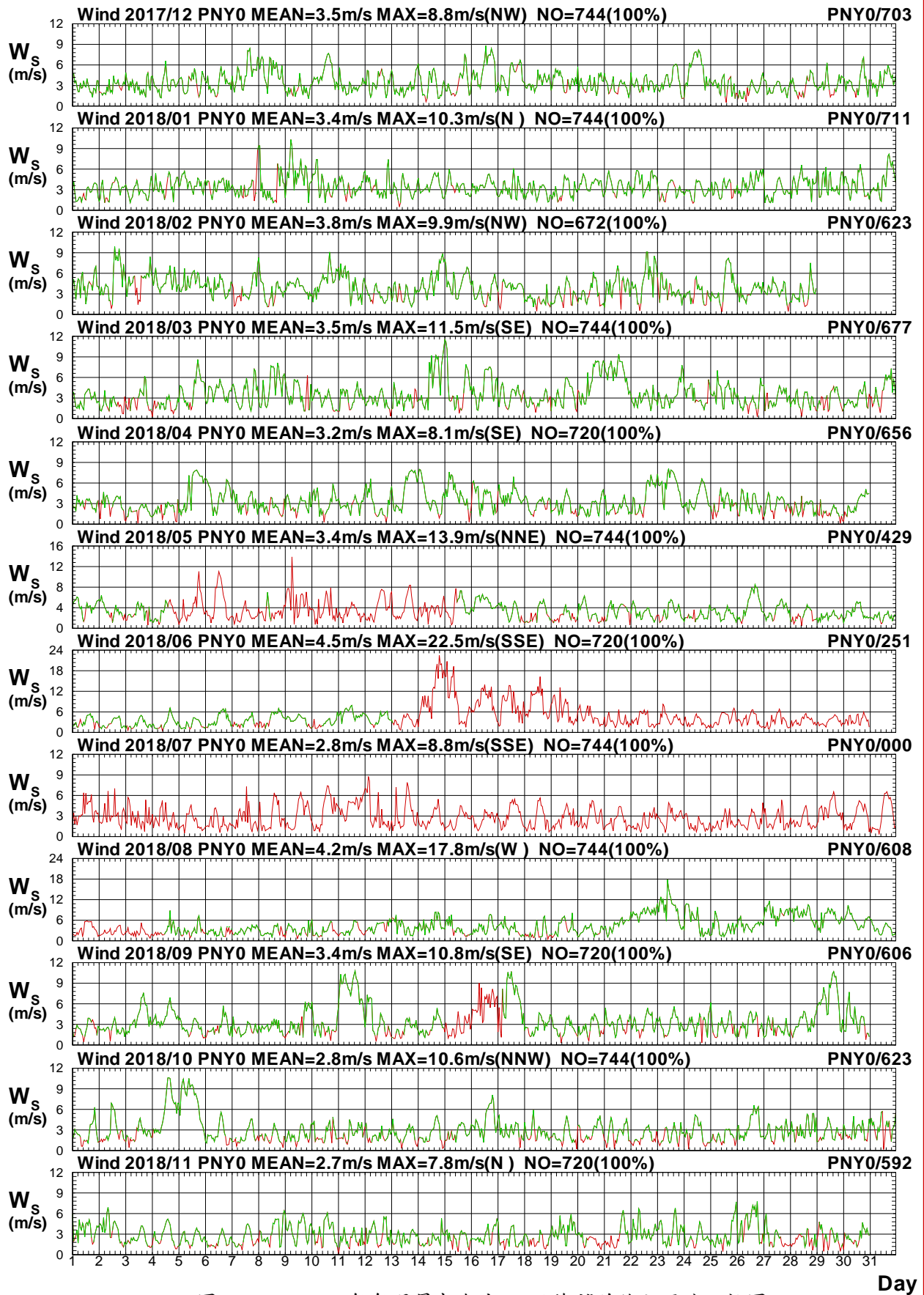


圖1.1.1a 2018年每月屏東海域 Y 站修補前後之風速比較圖

W17CPNY0.1HA W17CPNY0.1HO W181PNY0.1HA W181PNY0.1HO W182PNY0.1HA W182PNY0.1HO
 W183PNY0.1HA W183PNY0.1HO W184PNY0.1HA W184PNY0.1HO W185PNY0.1HA W185PNY0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

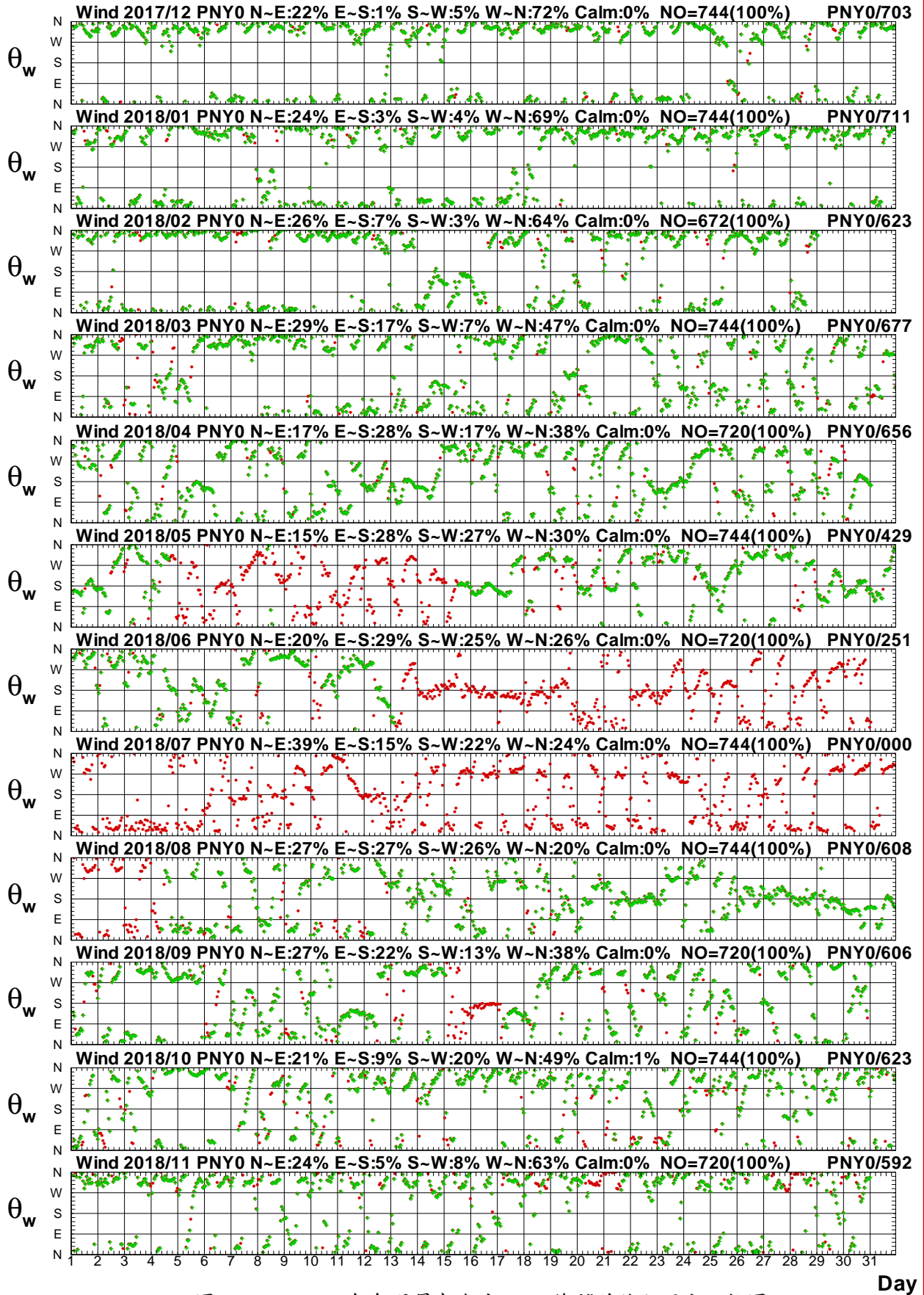


圖1.1.1b 2018年每月屏東海域 Y 站修補前後之風向比較圖

W17CPNY0.1HA W17CPNY0.1HO W181PNY0.1HA W181PNY0.1HO W182PNY0.1HA W182PNY0.1HO
W183PNY0.1HA W183PNY0.1HO W184PNY0.1HA W184PNY0.1HO W185PNY0.1HA W185PNY0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

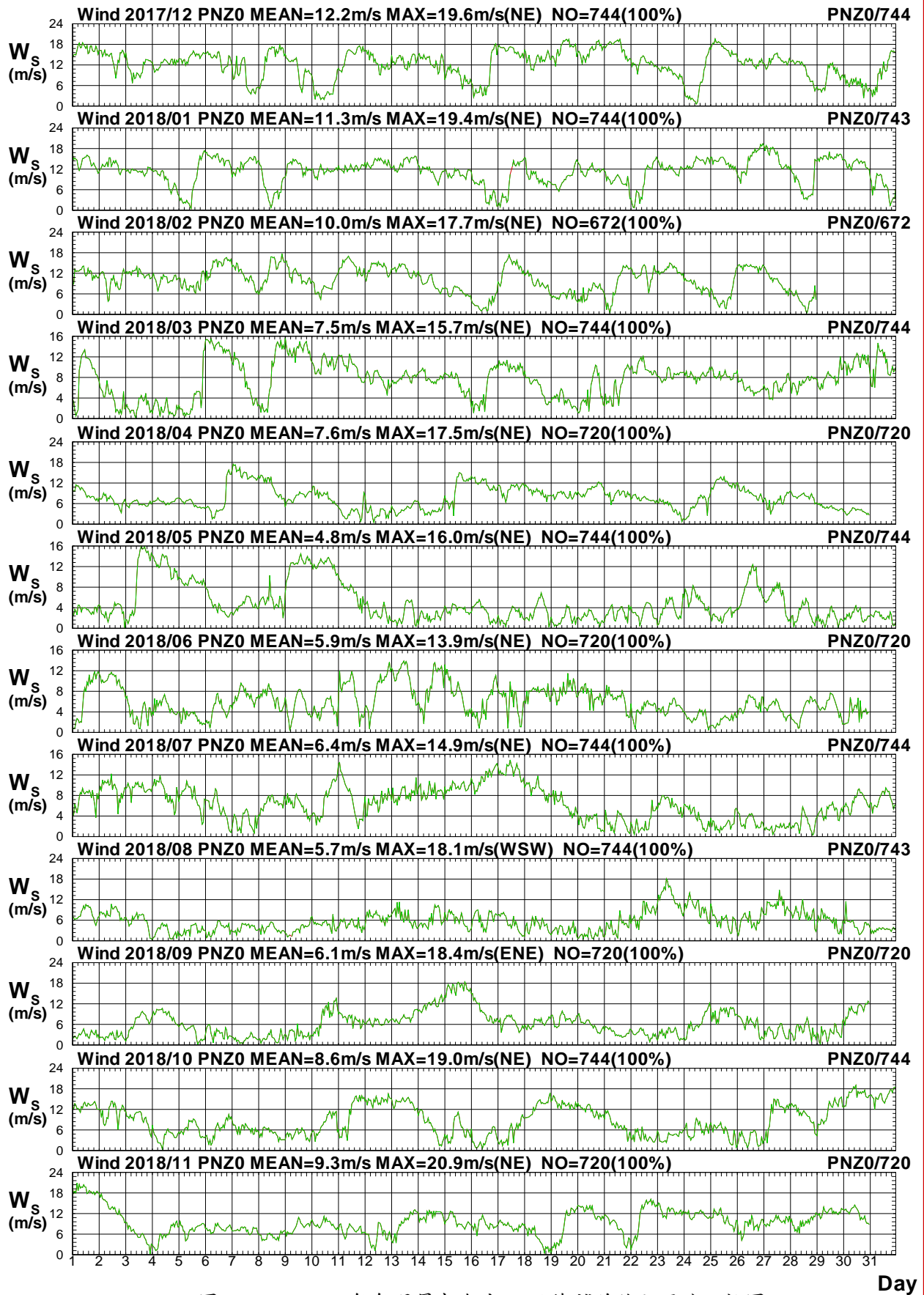


圖1.1.2a 2018年每月屏東海域 Z 站修補前後之風速比較圖

W17CPNZ0.1HA W17CPNZ0.1H0 W181PNZ0.1HA W181PNZ0.1H0 W182PNZ0.1HA W182PNZ0.1H0
 W183PNZ0.1HA W183PNZ0.1H0 W184PNZ0.1HA W184PNZ0.1H0 W185PNZ0.1HA W185PNZ0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

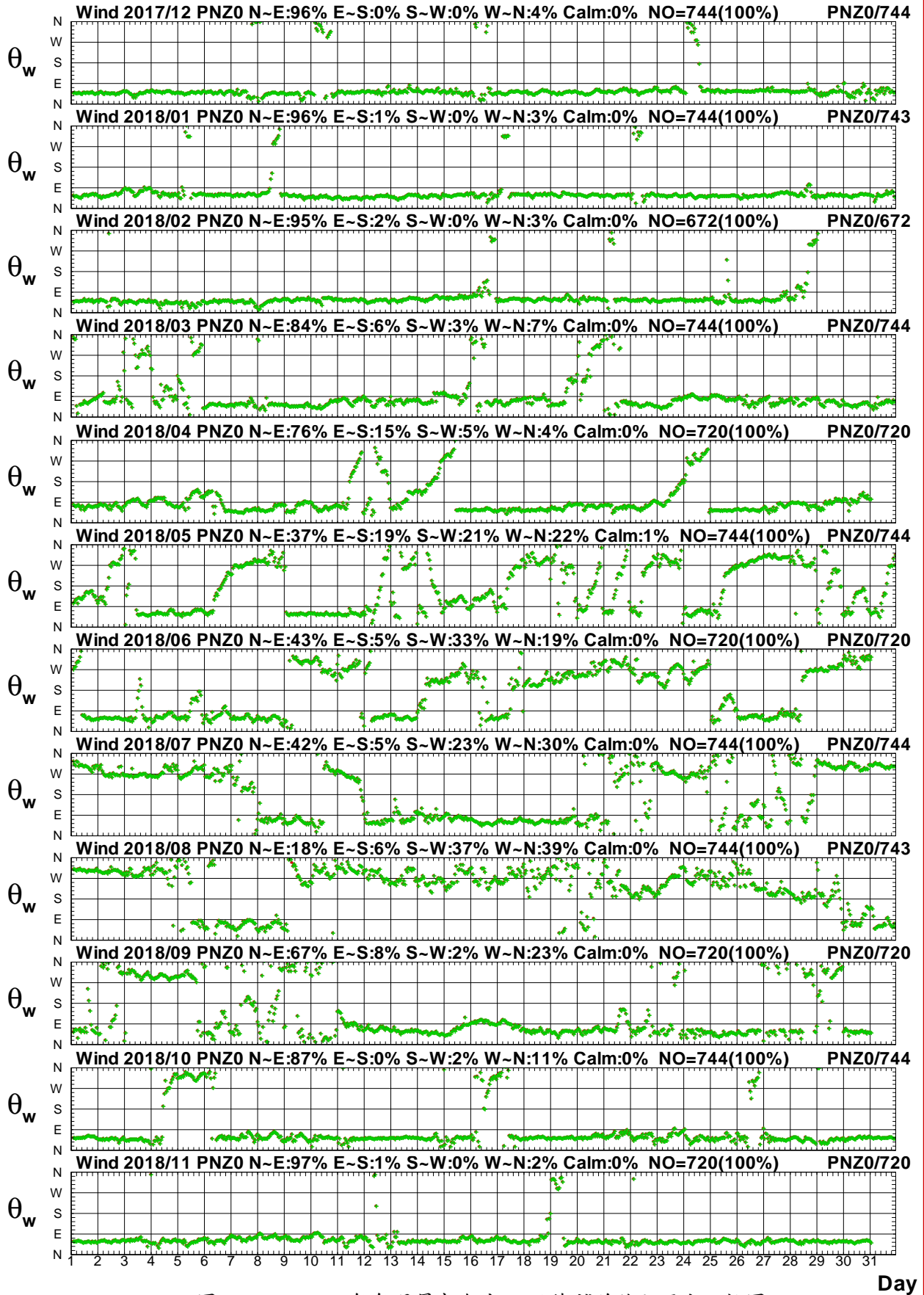


圖1.1.2b 2018年每月屏東海域 Z 站修補前後之風向比較圖

W17CPNZ0.1HA W17CPNZ0.1HO W181PNZ0.1HA W181PNZ0.1HO W182PNZ0.1HA W182PNZ0.1HO
 W183PNZ0.1HA W183PNZ0.1HO W184PNZ0.1HA W184PNZ0.1HO W185PNZ0.1HA W185PNZ0.1HO

Institute of Harbor & Marine Technology

Distribution of Wind Vectors

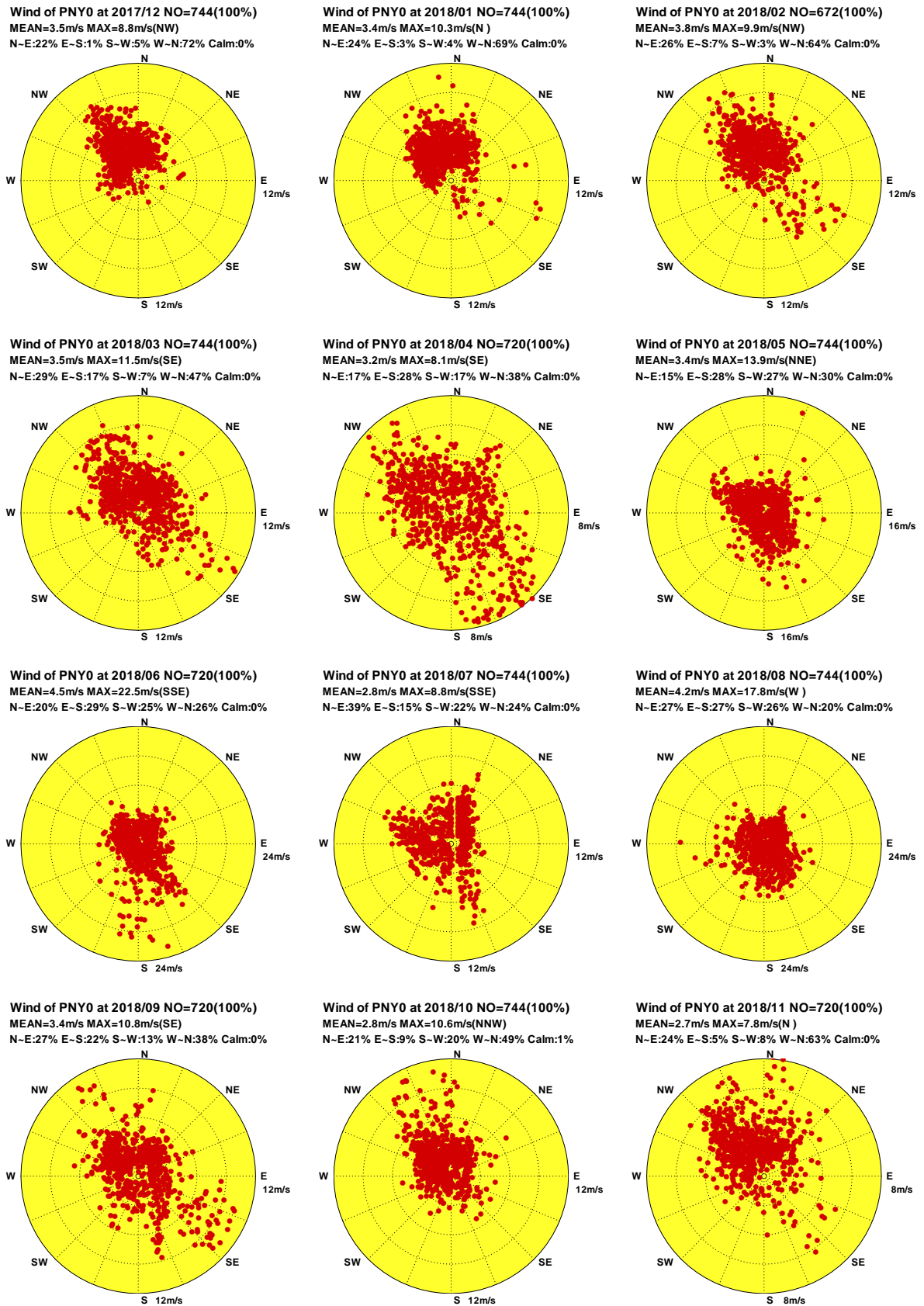


圖1.1.3 2018年屏東海域每月 Y 站修補後觀測風力向量分佈圖

W17CPNY0.1HA W181PNY0.1HA W182PNY0.1HA W183PNY0.1HA W184PNY0.1HA W185PNY0.1HA
W186PNY0.1HA W187PNY0.1HA W188PNY0.1HA W189PNY0.1HA W18APNY0.1HA W18BPNY0.1HA

Institute of Harbor & Marine Technology

Distribution of Wind Vectors

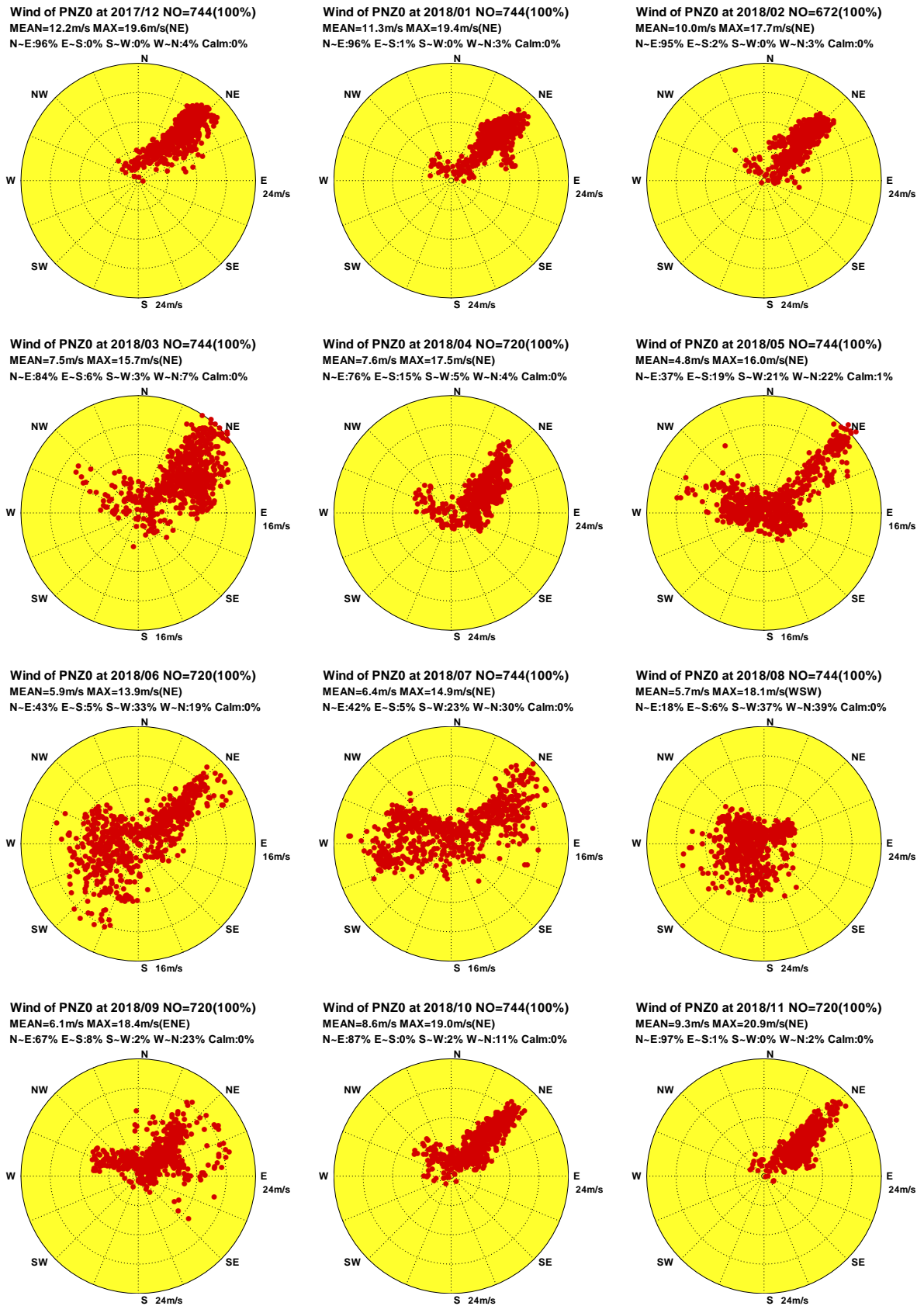


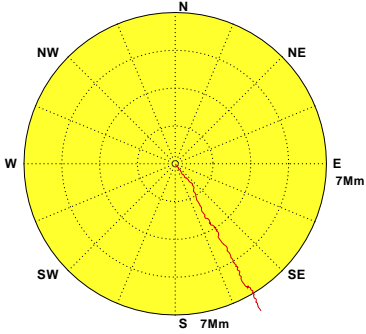
圖1.1.4 2018年屏東海域每月 Z 站修補後觀測風力向量分佈圖

W17CPNZ0.1HA W181PNZ0.1HA W182PNZ0.1HA W183PNZ0.1HA W184PNZ0.1HA W185PNZ0.1HA
 W186PNZ0.1HA W187PNZ0.1HA W188PNZ0.1HA W189PNZ0.1HA W18APNZ0.1HA W18BPNZ0.1HA

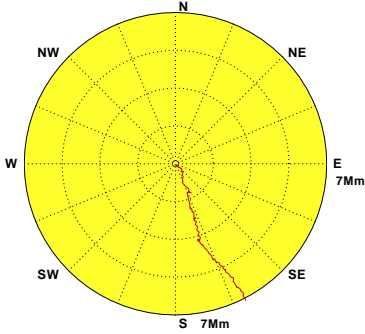
Institute of Harbor & Marine Technology

Progressive Vector Diagram of Wind

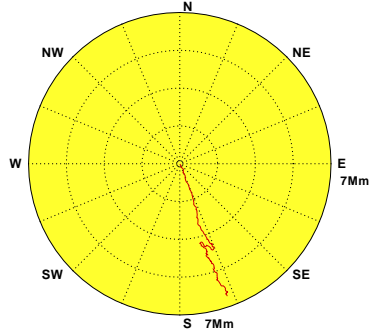
Wind of PNY0 at 2017/12 NO=744(100%)
MEAN=3.5m/s MAX=8.8m/s(NW)
N-E:22% E-S:1% S-W:5% W-N:72% Calm:0%



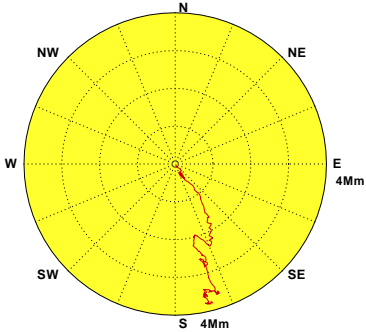
Wind of PNY0 at 2018/01 NO=744(100%)
MEAN=3.4m/s MAX=10.3m/s(N)
N-E:24% E-S:3% S-W:4% W-N:69% Calm:0%



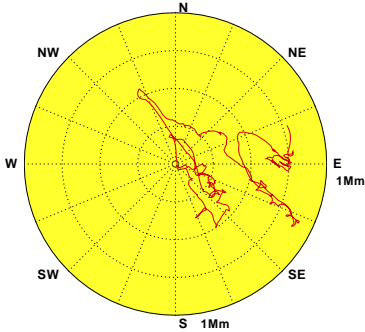
Wind of PNY0 at 2018/02 NO=672(100%)
MEAN=3.8m/s MAX=9.9m/s(NW)
N-E:26% E-S:7% S-W:3% W-N:64% Calm:0%



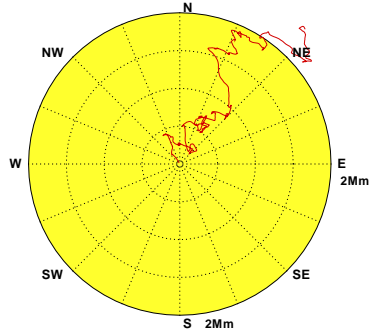
Wind of PNY0 at 2018/03 NO=744(100%)
MEAN=3.5m/s MAX=11.5m/s(SE)
N-E:29% E-S:17% S-W:7% W-N:47% Calm:0%



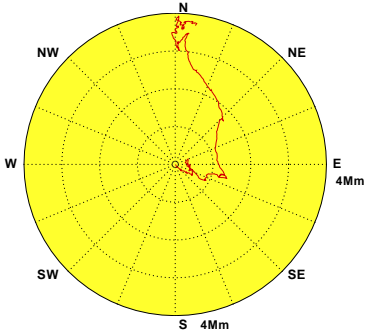
Wind of PNY0 at 2018/04 NO=720(100%)
MEAN=3.2m/s MAX=8.1m/s(SE)
N-E:17% E-S:28% S-W:17% W-N:38% Calm:0%



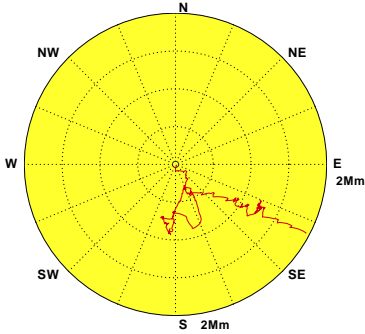
Wind of PNY0 at 2018/05 NO=744(100%)
MEAN=3.4m/s MAX=13.9m/s(NNE)
N-E:15% E-S:28% S-W:27% W-N:30% Calm:0%



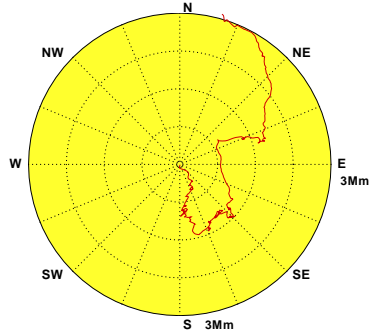
Wind of PNY0 at 2018/06 NO=720(100%)
MEAN=4.5m/s MAX=22.5m/s(SSE)
N-E:20% E-S:29% S-W:25% W-N:26% Calm:0%



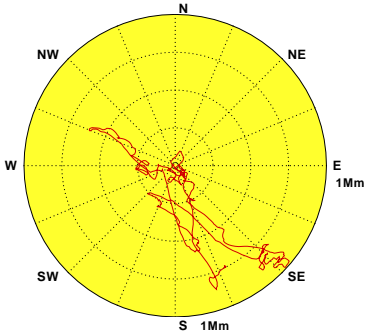
Wind of PNY0 at 2018/07 NO=744(100%)
MEAN=2.8m/s MAX=8.8m/s(SSE)
N-E:39% E-S:15% S-W:22% W-N:24% Calm:0%



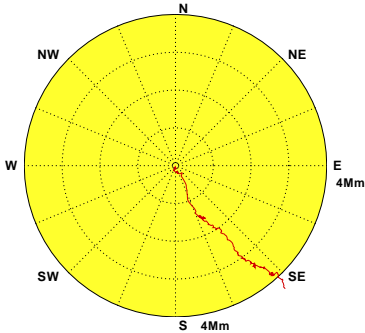
Wind of PNY0 at 2018/08 NO=744(100%)
MEAN=4.2m/s MAX=17.8m/s(W)
N-E:27% E-S:27% S-W:26% W-N:20% Calm:0%



Wind of PNY0 at 2018/09 NO=720(100%)
MEAN=3.4m/s MAX=10.8m/s(SE)
N-E:27% E-S:22% S-W:13% W-N:38% Calm:0%



Wind of PNY0 at 2018/10 NO=744(100%)
MEAN=2.8m/s MAX=10.6m/s(NNW)
N-E:21% E-S:9% S-W:20% W-N:49% Calm:1%



Wind of PNY0 at 2018/11 NO=720(100%)
MEAN=2.7m/s MAX=7.8m/s(N)
N-E:24% E-S:5% S-W:8% W-N:63% Calm:0%

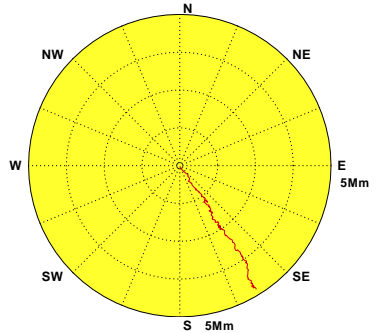


圖1.1.5 2018年屏東海域每月 Y 站修補後觀測風力向量行進圖

W17CPNY0.1HA W181PNY0.1HA W182PNY0.1HA W183PNY0.1HA W184PNY0.1HA W185PNY0.1HA
W186PNY0.1HA W187PNY0.1HA W188PNY0.1HA W189PNY0.1HA W18APNY0.1HA W18BPNY0.1HA

Institute of Harbor & Marine Technology

Progressive Vector Diagram of Wind

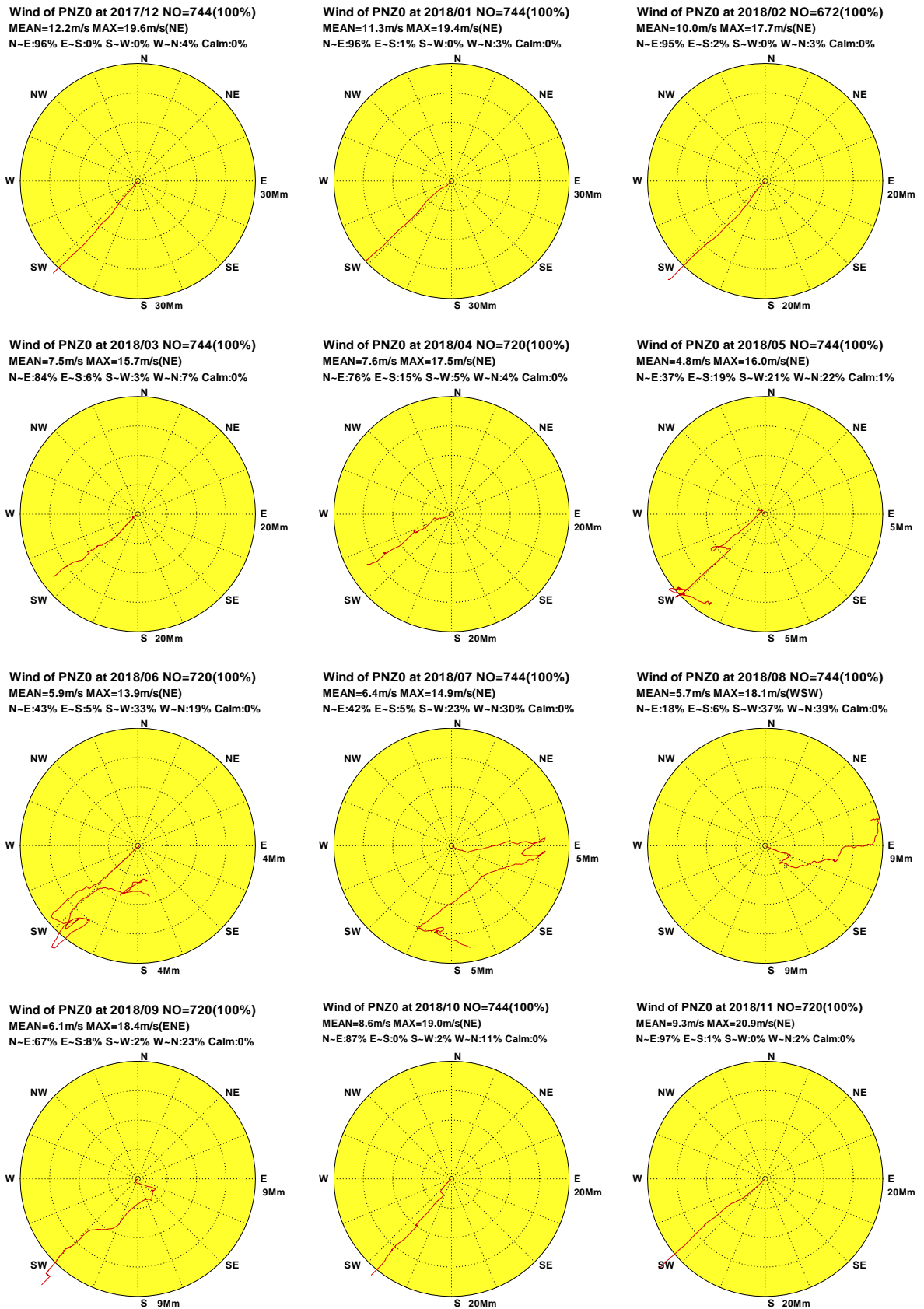


圖1.1.6 2018年屏東海域每月Z站修補後觀測風力向量行進圖

W17CPNZ0.1HA W181PNZ0.1HA W182PNZ0.1HA W183PNZ0.1HA W184PNZ0.1HA W185PNZ0.1HA
W186PNZ0.1HA W187PNZ0.1HA W188PNZ0.1HA W189PNZ0.1HA W18APNZ0.1HA W18BPNZ0.1HA

Institute of Harbor & Marine Technology

1.2 2018 年屏東海域各測站修補前 風力統計量統計表

表1.2.1 2018年屏東海域 Y 站修補前風速及風向重要統計量統計表

序號	日期 (年/月)	觀測 點數	風速 平均值 (m/s)	平均風 風速/風向 (m/s)/(來向)	最大風 風速/風向 (m/s)/(來向)	輕風 <3.3 (%)	和風 ~7.9 (%)	強風 ~13.8 (%)	疾風 >13.8 (%)	風向 N~E (%)	風向 E~S (%)	風向 S~W (%)	風向 W~N (%)	主要風向 方向/百分比
1	2017/12	703(95%)	3.5	3.0/NNW	8.8/NW	48.2	50.5	1.3	.0	21.3	.7	4.6	73.4	NW /28.4%
2	2018/01	711(96%)	3.5	2.7/NNW	10.3/N	47.3	51.8	1.0	.0	25.2	3.4	3.9	67.5	NW /23.9%
3	2018/02	623(93%)	4.0	2.8/NNW	9.9/NW	35.0	62.1	2.9	.0	27.4	7.5	2.9	62.1	NNW/24.9%
4	2018/03	677(91%)	3.6	1.5/NNW	11.5/SE	50.8	45.2	4.0	.0	27.8	17.4	6.4	48.4	NW /15.1%
5	2018/04	656(91%)	3.4	.3/WSW	8.1/SE	54.0	45.1	.9	.0	17.4	29.0	15.7	38.0	NW /12.8%
6	2018/05	429(58%)	3.4	.9/SW	8.5/WNW	52.4	46.9	.7	.0	8.9	35.7	19.8	35.7	WNW/15.2%
7	2018/06	251(35%)	3.5	1.4/WNW	7.9/W	47.4	52.2	.4	.0	15.9	15.1	21.9	47.0	NW /19.1%
8	2018/07													
9	2018/08	608(82%)	4.6	1.6/SSW	17.8/W	35.4	50.5	13.8	.3	23.4	30.6	29.9	16.1	SSE/10.2%
10	2018/09	606(84%)	3.5	.6/NNW	10.8/SE	57.1	37.0	5.9	.0	26.2	19.5	11.9	42.4	WNW/14.2%
11	2018/10	623(84%)	3.1	1.9/NW	10.6/NNW	64.2	32.6	3.2	.0	16.9	9.1	19.3	54.7	NW /19.4%
12	2018/11	592(82%)	3.0	2.0/NNW	7.8/N	64.2	35.8	.0	.0	26.2	5.9	8.8	59.1	NW /26.0%
13	2018/冬													
14	2018/春													
15	2018/夏													
16	2018/秋													
17	2018/年													

1-2-1

表1.2.2 2018年屏東海域Z站修補前風速及風向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	風速 平均值 (m/s)	平均風 風速/風向 (m/s)/(來向)	最大風 風速/風向 (m/s)/(來向)	輕風 <3.3 (%)	和風 ~7.9 (%)	強風 ~13.8 (%)	疾風 >13.8 (%)	風向 N~E (%)	風向 E~S (%)	風向 S~W (%)	風向 W~N (%)	主要風向 方向/百分比
1	2017/12	744(100%)	12.2	11.9/NE	19.6/NE	3.6	14.0	41.7	40.7	95.2	.1	.4	4.3	NE /80.1%
2	2018/01	743(100%)	11.3	11.1/NE	19.4/NE	5.0	12.4	55.2	27.5	96.0	.5	.0	3.5	NE /82.9%
3	2018/02	672(100%)	10.0	9.7/NE	17.7/NE	4.8	25.6	51.9	17.7	94.8	2.1	.1	3.0	NE /77.7%
4	2018/03	744(100%)	7.5	6.7/NE	15.7/NE	15.3	34.1	46.4	4.2	83.9	6.3	2.7	7.1	NE /41.3%
5	2018/04	720(100%)	7.6	6.4/ENE	17.5/NE	7.5	47.8	40.1	4.6	76.0	15.1	4.9	4.0	NE /38.1%
6	2018/05	744(100%)	4.8	1.7/NE	16.0/NE	43.3	38.3	15.6	2.8	37.6	18.8	21.0	22.6	NE /22.8%
7	2018/06	720(100%)	5.9	.7/NNW	13.9/NE	19.3	56.3	24.2	.3	42.8	5.1	32.8	19.3	NE /28.2%
8	2018/07	744(100%)	6.4	1.6/N	14.9/NE	21.0	43.3	34.5	1.2	41.9	5.4	23.0	29.7	NE /19.8%
9	2018/08	743(100%)	5.7	3.1/WSW	18.1/WSW	21.3	58.1	19.1	1.5	18.0	5.5	36.9	39.6	WNW/18.7%
10	2018/09	720(100%)	6.1	4.2/NE	18.4/ENE	26.3	46.0	23.9	3.9	66.9	8.5	2.1	22.5	NE /40.1%
11	2018/10	744(100%)	8.6	8.0/NE	19.0/NE	12.4	38.0	32.5	17.1	87.4	.3	1.6	10.8	NE /66.8%
12	2018/11	720(100%)	9.3	9.1/NE	20.9/NE	5.1	28.6	57.2	9.0	97.1	.6	.1	2.2	NE /71.3%
13	2018/冬													
14	2018/春													
15	2018/夏													
16	2018/秋													
17	2018/年													

1-2-2

表1.2.3 2018年屏東海域 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	738(99%)	2.5	1.8/W	5.2/NW	80.5	19.5	.0	.0	3.3	4.1	34.3	58.4	W /18.6%
2	2018/01	735(99%)	2.3	1.4/WNW	4.7/NW	89.8	10.2	.0	.0	8.0	8.2	30.3	53.5	WNW/17.8%
3	2018/02	664(99%)	2.2	1.3/WNW	4.3/WNW	92.6	7.4	.0	.0	9.5	11.0	23.2	56.3	WNW/18.1%
4	2018/03	729(98%)	2.0	.6/WSW	5.9/W	93.4	6.6	.0	.0	13.2	24.3	30.3	32.2	W /12.6%
5	2018/04	710(99%)	2.0	.5/SW	5.5/W	91.3	8.7	.0	.0	10.6	34.6	24.4	30.4	SSE/13.0%
6	2018/05	728(98%)	2.1	.8/W	9.3/W	86.0	13.5	.5	.0	20.3	19.5	26.9	33.2	W /19.2%
7	2018/06	714(99%)	2.6	1.2/SW	9.9/SSW	74.4	23.7	2.0	.0	16.8	21.8	33.9	27.5	W /13.2%
8	2018/07	735(99%)	2.8	1.8/WSW	10.4/SW	71.0	26.4	2.6	.0	14.0	10.7	40.4	34.8	SW /16.3%
9	2018/08	732(98%)	3.2	1.7/SW	14.6/SW	63.3	32.2	4.2	.3	19.9	16.9	31.7	31.4	W /14.1%
10	2018/09	709(99%)	2.1	.7/W	7.5/W	84.8	15.2	.0	.0	22.0	18.8	18.8	40.5	W /14.2%
11	2018/10	728(98%)	2.0	1.2/WNW	4.8/WNW	91.5	8.5	.0	.0	14.8	8.2	28.4	48.5	W /15.2%
12	2018/11	708(98%)	1.6	.7/W	5.0/WNW	94.8	5.2	.0	.0	8.2	17.8	32.6	41.4	WNW/14.4%
13	2018/冬													
14	2018/春													
15	2018/夏													
16	2018/秋													
17	2018/年													

1-2-3

表1.2.4 2018年屏東海域 H 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	741(100%)	2.5	1.6/ENE	7.3/N	76.7	23.3	.0	.0	41.8	41.6	1.6	15.0	E /27.7%
2	2018/01	729(98%)	2.5	1.5/ENE	7.2/NNE	75.9	24.1	.0	.0	35.8	43.9	2.5	17.8	E /23.6%
3	2018/02	669(100%)	2.7	1.7/ENE	7.8/NNE	69.4	30.6	.0	.0	41.7	39.3	3.6	15.4	E /28.0%
4	2018/03	742(100%)	2.8	1.3/NE	9.2/NNE	66.6	32.9	.5	.0	34.4	37.9	7.1	20.6	N /17.5%
5	2018/04	715(99%)	2.7	1.2/N	7.8/NNE	66.7	33.3	.0	.0	25.0	30.6	9.5	34.8	N /16.4%
6	2018/05	742(100%)	2.7	1.2/NNW	9.7/NNE	68.1	30.7	1.2	.0	21.3	27.2	16.0	35.4	N /17.1%
7	2018/06	707(98%)	3.1	1.1/NW	14.1/WNW	59.0	37.6	3.3	.1	17.0	28.4	24.0	30.6	N /11.5%
8	2018/07	743(100%)	2.9	1.0/NE	9.0/N	65.5	32.8	1.6	.0	26.0	45.0	11.0	18.0	ESE/20.9%
9	2018/08	738(99%)	3.1	.6/WNW	19.9/NNW	61.9	34.8	3.0	.3	12.3	35.6	30.2	21.8	ESE/16.7%
10	2018/09	709(99%)	2.7	.5/NNE	12.2/SSW	68.5	29.1	2.4	.0	20.7	39.4	14.7	25.2	ESE/13.4%
11	2018/10	739(99%)	2.4	1.0/NNE	9.9/NNE	73.5	25.8	.7	.0	21.8	40.2	9.2	28.8	ESE/14.3%
12	2018/11	711(99%)	2.3	1.1/NNE	7.2/N	75.7	24.3	.0	.0	25.2	41.9	5.2	27.7	ESE/16.9%
13	2018/冬													
14	2018/春													
15	2018/夏													
16	2018/秋													
17	2018/年													

1-2-4

表1.2.5 2018年屏東海域 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%)	2.2	1.6/NNW	5.5/WNW	88.8	11.2	.0	.0	31.7	3.0	13.3	52.0	N /36.4%
2	2018/01	740(100%)	2.1	1.4/NNW	6.4/N	88.5	11.5	.0	.0	33.8	2.8	12.2	51.2	N /33.9%
3	2018/02	672(100%)	2.3	1.5/NNW	7.3/NE	85.1	14.9	.0	.0	34.4	2.8	12.5	50.3	N /32.0%
4	2018/03	744(100%)	2.2	1.0/NW	6.4/N	82.8	17.2	.0	.0	34.9	7.9	19.0	38.2	N /15.6%
5	2018/04	716(99%)	2.5	.9/WSW	9.0/S	77.5	21.5	1.0	.0	27.4	13.3	30.6	28.8	W /16.8%
6	2018/05	743(100%)	2.4	.9/SW	7.1/WNW	75.6	24.4	.0	.0	20.6	21.8	32.8	24.8	W /13.1%
7	2018/06	720(100%)	3.0	1.0/SSW	14.8/SSE	65.7	30.1	4.0	.1	24.9	28.3	26.8	20.0	SSE/10.8%
8	2018/07	744(100%)	2.6	.7/NW	8.4/SSE	74.6	25.1	.3	.0	41.4	12.8	18.4	27.4	NNE/18.8%
9	2018/08	743(100%)	3.1	.8/S	14.9/WSW	64.9	31.2	3.8	.1	33.1	32.2	19.5	15.2	NNE/13.1%
10	2018/09	720(100%)	2.6	.4/WNW	9.3/SE	75.1	23.9	1.0	.0	34.2	16.3	21.3	28.3	W /12.4%
11	2018/10	744(100%)	2.2	.8/NW	8.1/WNW	83.3	16.5	.1	.0	33.2	9.0	26.3	31.5	N /12.2%
12	2018/11	719(100%)	2.1	1.1/NW	5.7/WNW	87.3	12.7	.0	.0	36.3	3.8	24.1	35.9	N /19.5%
13	2018/冬													
14	2018/春													
15	2018/夏													
16	2018/秋													
17	2018/年													

1-2-5

表 1.2.6 2018 年屏東海域 O 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%)	5.8	5.6/NNE	12.9/NE	21.1	53.0	25.9	.0	90.7	.5	.0	8.7	NE /40.7%
2	2018/01	744(100%)	4.9	4.6/NE	12.7/NE	31.2	53.4	15.5	.0	84.0	4.2	2.0	9.8	NE /37.0%
3	2018/02	672(100%)	4.3	3.9/NE	10.3/NE	37.9	53.3	8.8	.0	78.0	10.3	1.5	10.3	NE /29.3%
4	2018/03	744(100%)	3.6	3.0/NE	9.7/NE	45.0	52.0	3.0	.0	76.7	10.8	3.0	9.5	NE /28.4%
5	2018/04	720(100%)	3.4	2.7/NE	11.8/NNE	51.5	45.8	2.6	.0	66.3	22.1	4.3	7.4	NE /23.8%
6	2018/05	744(100%)	2.4	.6/NNE	9.4/NNE	78.2	20.4	1.3	.0	30.0	24.1	12.4	33.6	E /13.2%
7	2018/06	720(100%)	2.2	.3/NNE	7.6/ENE	79.0	21.0	.0	.0	32.9	20.6	19.7	26.8	W /13.6%
8	2018/07	744(100%)	2.7	.8/N	10.2/NNE	64.8	34.5	.7	.0	36.8	13.4	12.2	37.5	W /18.1%
9	2018/08	744(100%)	1.9	.6/W	7.3/WSW	86.4	13.6	.0	.0	18.3	20.0	20.2	41.5	WNW/12.8%
10	2018/09	720(100%)	2.7	1.7/NE	12.5/NE	70.1	25.8	4.0	.0	52.6	19.7	4.4	23.2	E /17.4%
11	2018/10	744(100%)	4.0	3.6/NNE	13.2/NE	48.5	38.7	12.8	.0	79.0	4.8	1.6	14.5	NNE/37.4%
12	2018/11	720(100%)	3.9	3.6/NE	15.6/NE	46.1	46.7	6.3	1.0	85.7	5.3	2.1	6.9	NE /36.3%
13	2018/冬													
14	2018/春													
15	2018/夏													
16	2018/秋													
17	2018/年													

1-2-6

表1.2.7 2018年屏東海域 U 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													
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													
14	2018/春													
15	2018/夏													
16	2018/秋													
17	2018/年													

1-2-7

表1.2.8 2018年屏東海域 C 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	698(94%)	2.9	2.1/NNW	6.2/N	67.8	32.2	.0	.0	40.0	2.9	9.9	47.3	N /38.4%
2	2018/01	709(95%)	3.3	2.4/NNW	49.7/N	67.0	31.3	.3	1.4	39.4	3.7	8.7	48.2	N /33.0%
3	2018/02	655(98%)	3.0	2.0/NNW	6.9/WNW	60.2	39.8	.0	.0	36.5	5.2	9.5	48.9	N /31.8%
4	2018/03	738(99%)	3.0	1.5/NNW	8.3/WNW	63.0	36.7	.3	.0	36.9	8.8	12.3	42.0	N /15.7%
5	2018/04	631(88%)	2.9	1.0/WNW	7.2/S	61.5	38.5	.0	.0	28.1	13.2	25.2	33.6	W /17.4%
6	2018/05	653(88%)	3.0	.9/WSW	8.6/WNW	65.4	34.0	.6	.0	22.5	20.2	28.8	28.5	WNW/14.5%
7	2018/06	713(99%)	3.4	.7/SSW	10.1/SSW	55.3	42.8	2.0	.0	27.2	27.9	24.1	20.8	WNW/10.1%
8	2018/07	736(99%)	3.1	1.0/NNW	8.2/WNW	61.5	38.2	.3	.0	43.2	12.8	13.9	30.2	NNE/15.6%
9	2018/08	740(100%)	3.5	.5/SSE	11.8/WSW	53.2	45.0	1.8	.0	34.5	30.8	19.2	15.5	NNE/11.8%
10	2018/09	601(84%)	3.2	.3/NW	13.8/NNW	63.1	33.6	3.2	.2	35.1	19.5	18.1	27.3	WNW/11.0%
11	2018/10	735(99%)	2.8	1.1/NW	9.1/WNW	72.1	27.3	.5	.0	35.6	10.2	21.4	32.8	N /13.2%
12	2018/11	715(99%)	2.7	1.4/NW	6.8/WNW	75.0	25.0	.0	.0	37.6	6.6	18.5	37.3	N /16.9%
13	2018/冬													
14	2018/春													
15	2018/夏													
16	2018/秋													
17	2018/年													

1-2-8

表1.2.9 2018年屏東海域J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	556(75%)	1.9	1.2/NW	6.4/NW	87.1	12.9	.0	.0	12.1	10.4	2.9	74.6	NW /55.8%
2	2018/01	709(95%)	1.8	1.0/NW	5.7/NW	92.7	7.3	.0	.0	12.4	9.6	3.4	74.6	NW /53.9%
3	2018/02	631(94%)	2.0	1.1/NW	6.6/NW	85.1	14.9	.0	.0	11.9	12.0	10.8	65.3	NW /49.1%
4	2018/03	707(95%)	2.1	1.0/NW	6.7/NW	83.5	16.5	.0	.0	5.9	18.1	16.5	59.4	NW /44.3%
5	2018/04	670(93%)	1.8	1.1/WNW	5.5/NW	86.7	13.3	.0	.0	6.3	9.0	29.7	55.1	NW /39.4%
6	2018/05	326(44%)	4.2	1.5/WNW	13.3/NW	42.3	44.8	12.9	.0	10.1	31.6	12.6	45.7	NW /22.4%
7	2018/06	679(94%)	4.3	.2/S	16.1/NNE	42.9	44.5	11.6	1.0	15.5	36.8	13.4	34.3	NW /15.6%
8	2018/07	680(91%)	4.5	1.1/NNW	18.1/NNE	39.7	46.2	13.1	1.0	25.7	22.5	12.1	39.7	WNW/15.0%
9	2018/08	723(97%)	4.3	.3/SE	15.5/S	41.5	45.8	12.3	.4	23.0	36.1	15.1	25.9	SSE/14.4%
10	2018/09	667(93%)	4.0	1.1/NNW	19.2/ESE	47.1	42.6	9.7	.6	27.9	23.2	9.6	39.3	WNW/17.4%
11	2018/10	454(61%)	3.9	2.5/NW	19.4/NW	50.2	39.9	8.4	1.5	20.9	10.1	15.2	53.7	NW /20.5%
12	2018/11	671(93%)	1.5	.9/NW	5.5/NW	92.8	7.2	.0	.0	24.6	7.3	16.5	51.6	WNW/17.1%
13	2018/冬													
14	2018/春													
15	2018/夏													
16	2018/秋													
17	2018/年													

1-2-9

表1.2.10 2018年屏東海域 P 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	551(74%)	1.2	.4/N	4.3/WSW	97.6	2.4	.0	.0	67.3	2.2	20.5	10.0	NE /35.2%
2	2018/01	711(96%)	1.4	.3/NW	4.1/WSW	96.6	3.4	.0	.0	60.5	1.8	27.6	10.1	NE /32.3%
3	2018/02	655(98%)	1.3	.3/N	4.7/W	96.2	3.8	.0	.0	63.4	4.6	9.8	22.3	ENE/34.0%
4	2018/03	708(95%)	1.7	.4/WNW	6.3/W	88.4	11.6	.0	.0	48.7	7.1	14.0	30.2	ENE/26.0%
5	2018/04	696(97%)	2.1	.9/WSW	7.1/SSW	81.0	19.0	.0	.0	32.0	8.0	27.2	32.8	W /25.0%
6	2018/05	403(54%)	2.0	1.2/SW	5.2/WSW	84.9	15.1	.0	.0	15.9	19.6	54.1	10.4	W /22.1%
7	2018/06	681(95%)	2.4	1.0/SSW	12.7/SW	76.9	21.0	2.1	.0	31.1	23.5	38.8	6.6	NE /14.2%
8	2018/07	705(95%)	1.7	.2/SW	5.8/SSW	89.8	10.2	.0	.0	44.8	9.9	23.8	21.4	ENE/24.5%
9	2018/08	723(97%)	2.2	.3/W	13.2/W	80.9	17.3	1.8	.0	33.1	18.3	22.1	26.6	W /15.9%
10	2018/09	665(92%)	3.5	.8/WSW	12.5/SW	51.4	43.2	5.4	.0	37.4	9.3	37.6	15.6	ENE/20.0%
11	2018/10	491(66%)	1.9	.4/WSW	8.6/WSW	82.1	17.7	.2	.0	41.3	9.6	38.1	11.0	WSW/19.8%
12	2018/11	670(93%)	1.3	.4/W	5.0/WSW	96.1	3.9	.0	.0	43.4	9.1	35.8	11.6	ENE/21.2%
13	2018/冬													
14	2018/春													
15	2018/夏													
16	2018/秋													
17	2018/年													

1-2-10

1.3 2018 年屏東海域**主要測站 1**(修補後)與 **其他測站**(修補前)風力歷線比較圖

Wind Speed in Peng-Tung Seas of PNY0 at 2018

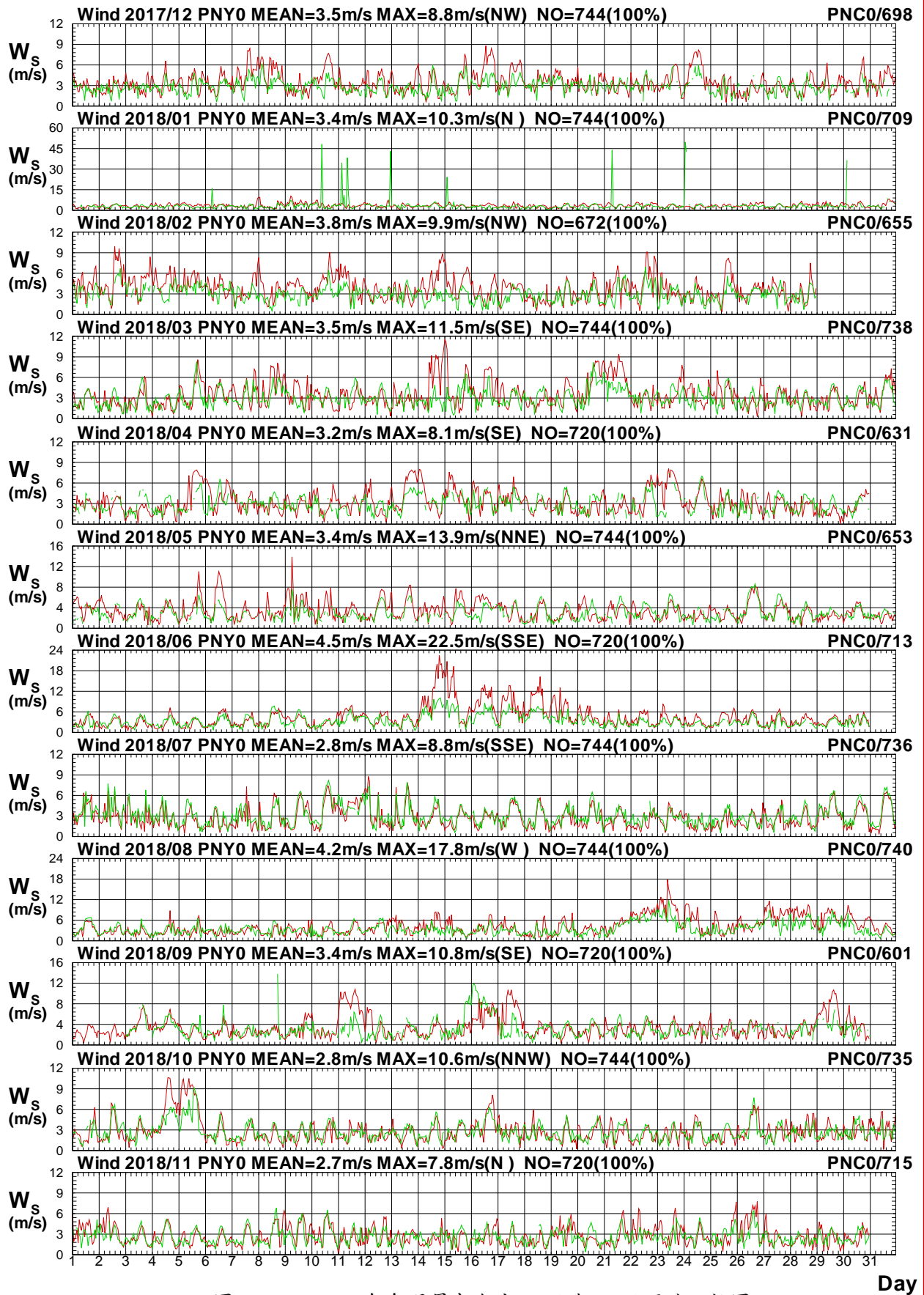


圖1.3.1a 2018年每月屏東海域 Y 站與 C 站風速比較圖

W17CPNY0.1HA W17CPNC0.1HO W181PNY0.1HA W181PNC0.1HO W182PNY0.1HA W182PNC0.1HO
 W183PNY0.1HA W183PNC0.1HO W184PNY0.1HA W184PNC0.1HO W185PNY0.1HA W185PNC0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

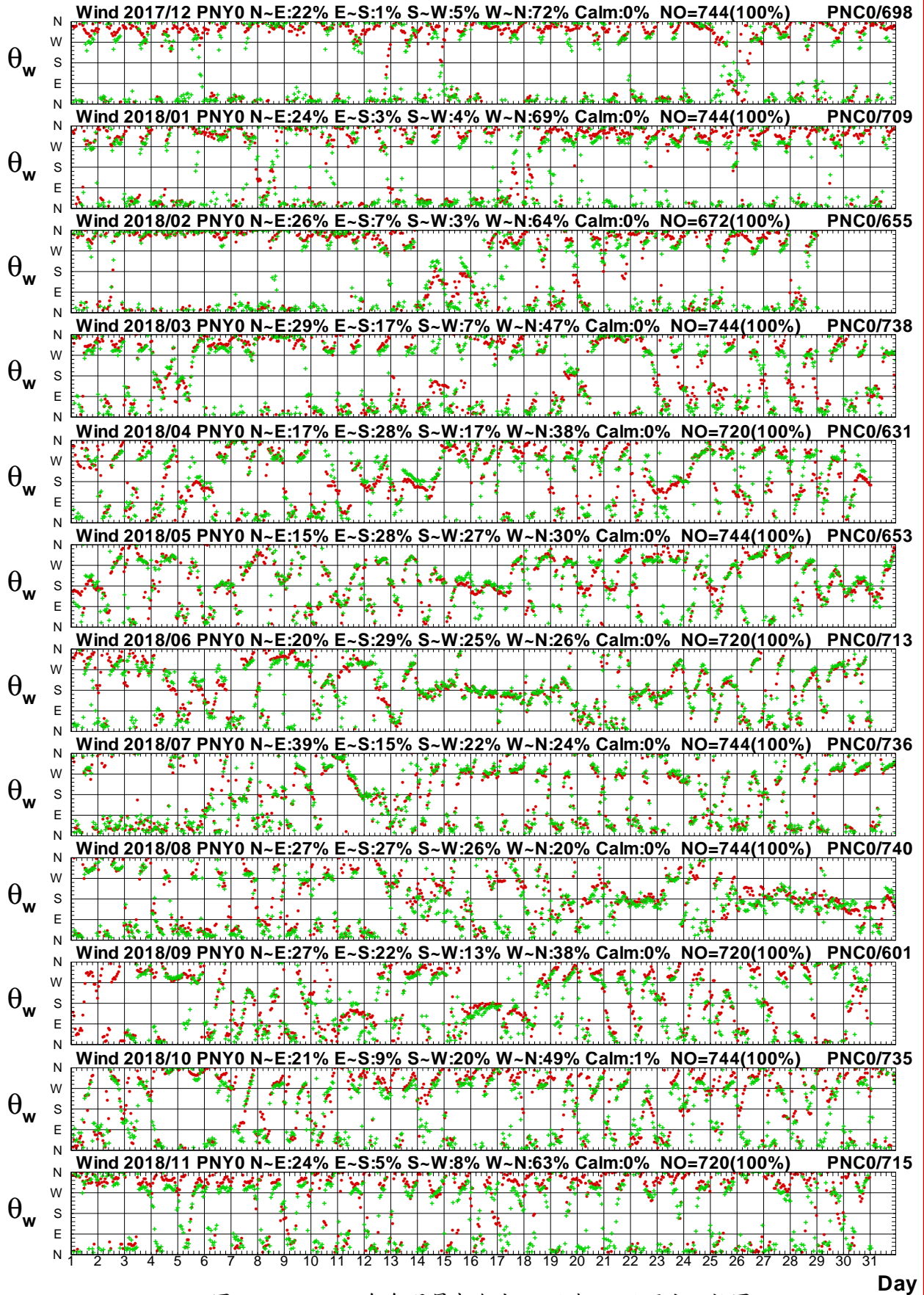


圖1.3.1b 2018年每月屏東海域 Y 站與 C 站風向比較圖

W17CPNY0.1HA W17CPNC0.1HO W181PNY0.1HA W181PNC0.1HO W182PNY0.1HA W182PNC0.1HO
 W183PNY0.1HA W183PNC0.1HO W184PNY0.1HA W184PNC0.1HO W185PNY0.1HA W185PNC0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

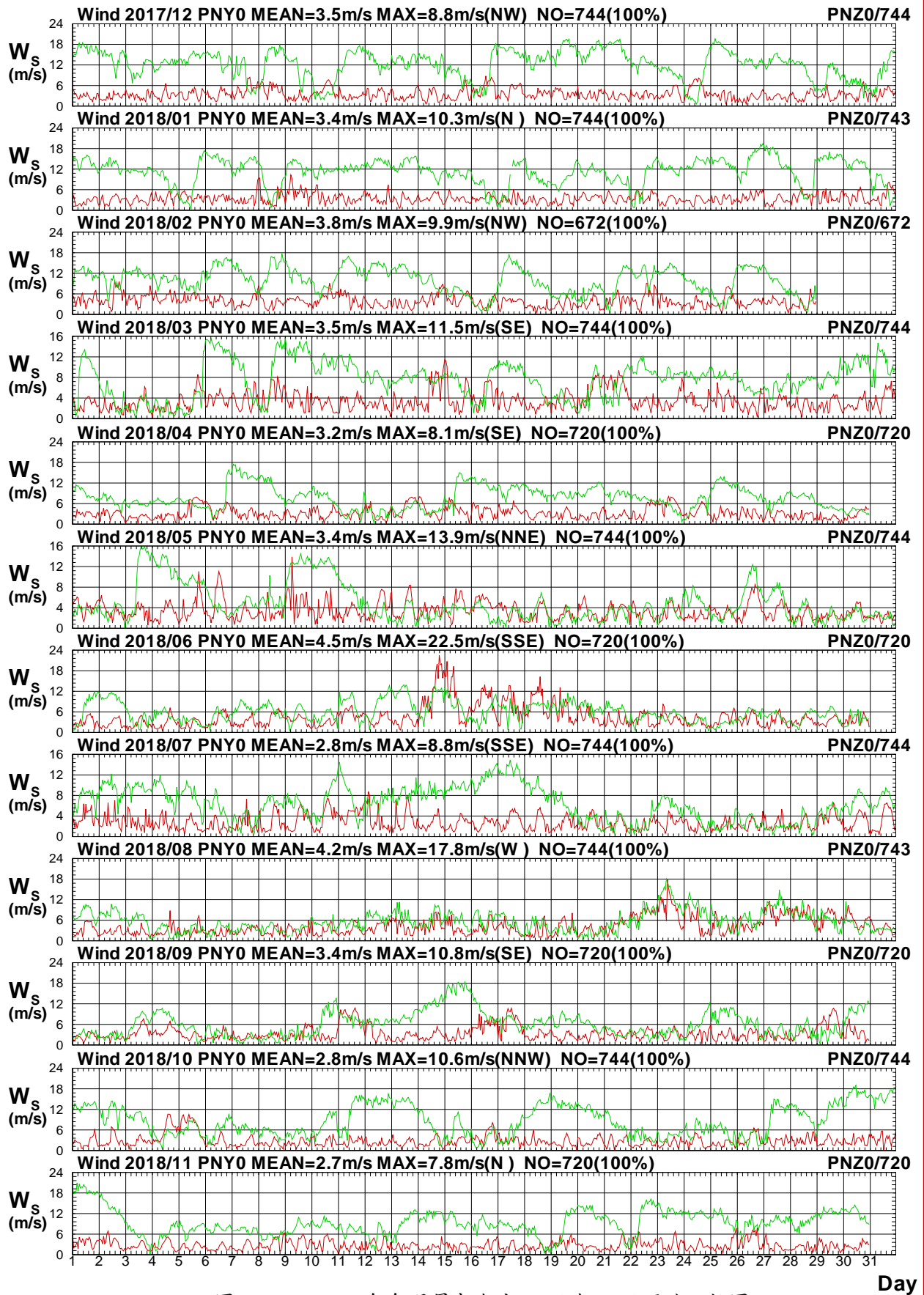


圖1.3.2a 2018年每月屏東海域 Y 站與 Z 站風速比較圖

W17CPNY0.1HA W17CPNZ0.1HO W181PNY0.1HA W181PNZ0.1HO W182PNY0.1HA W182PNZ0.1HO
 W183PNY0.1HA W183PNZ0.1HO W184PNY0.1HA W184PNZ0.1HO W185PNY0.1HA W185PNZ0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

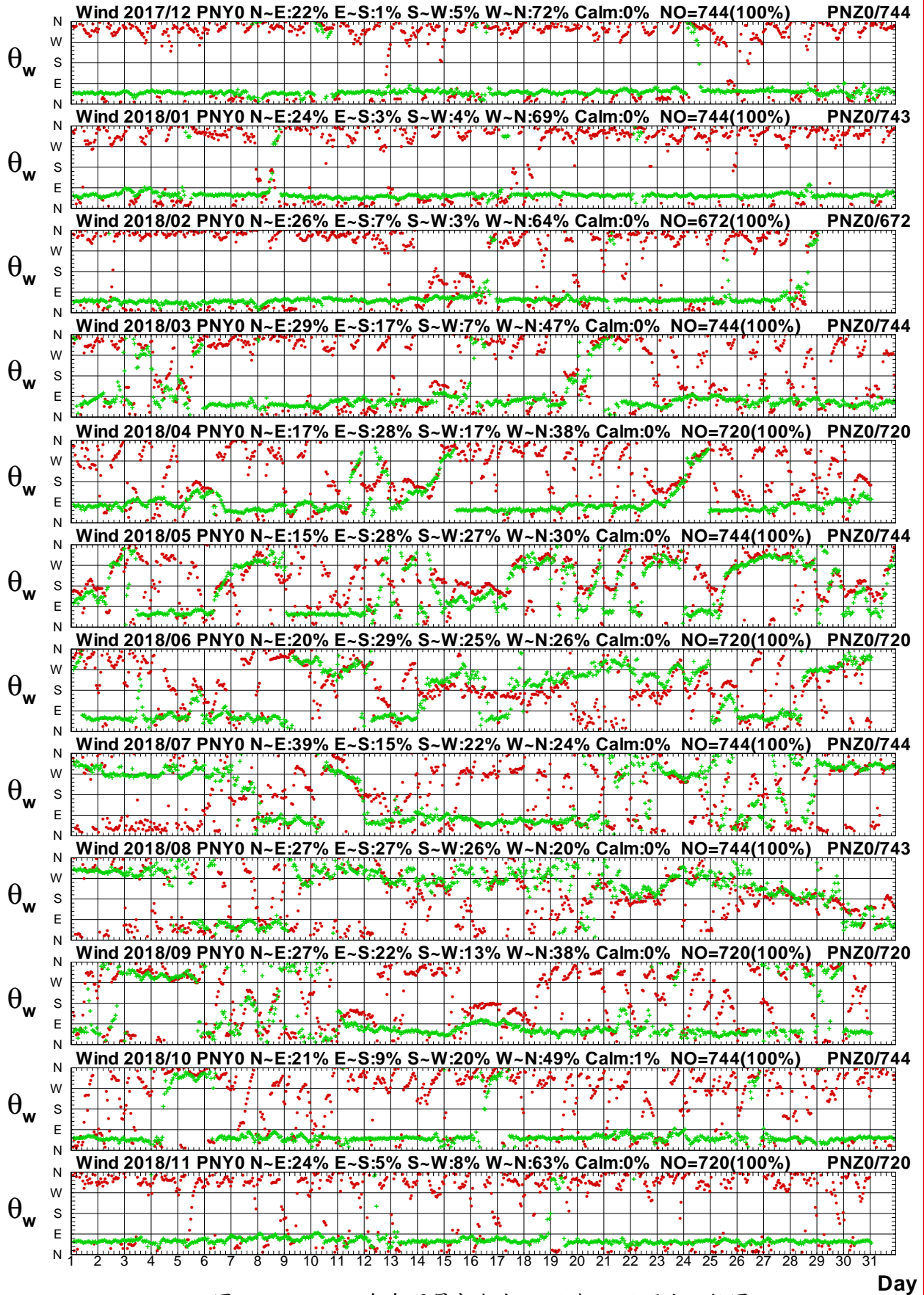


圖1.3.2b 2018年每月屏東海域 Y 站與 Z 站風向比較圖

W17CPNY0.1HA W17CPNZ0.1HO W181PNY0.1HA W181PNZ0.1HO W182PNY0.1HA W182PNZ0.1HO
 W183PNY0.1HA W183PNZ0.1HO W184PNY0.1HA W184PNZ0.1HO W185PNY0.1HA W185PNZ0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

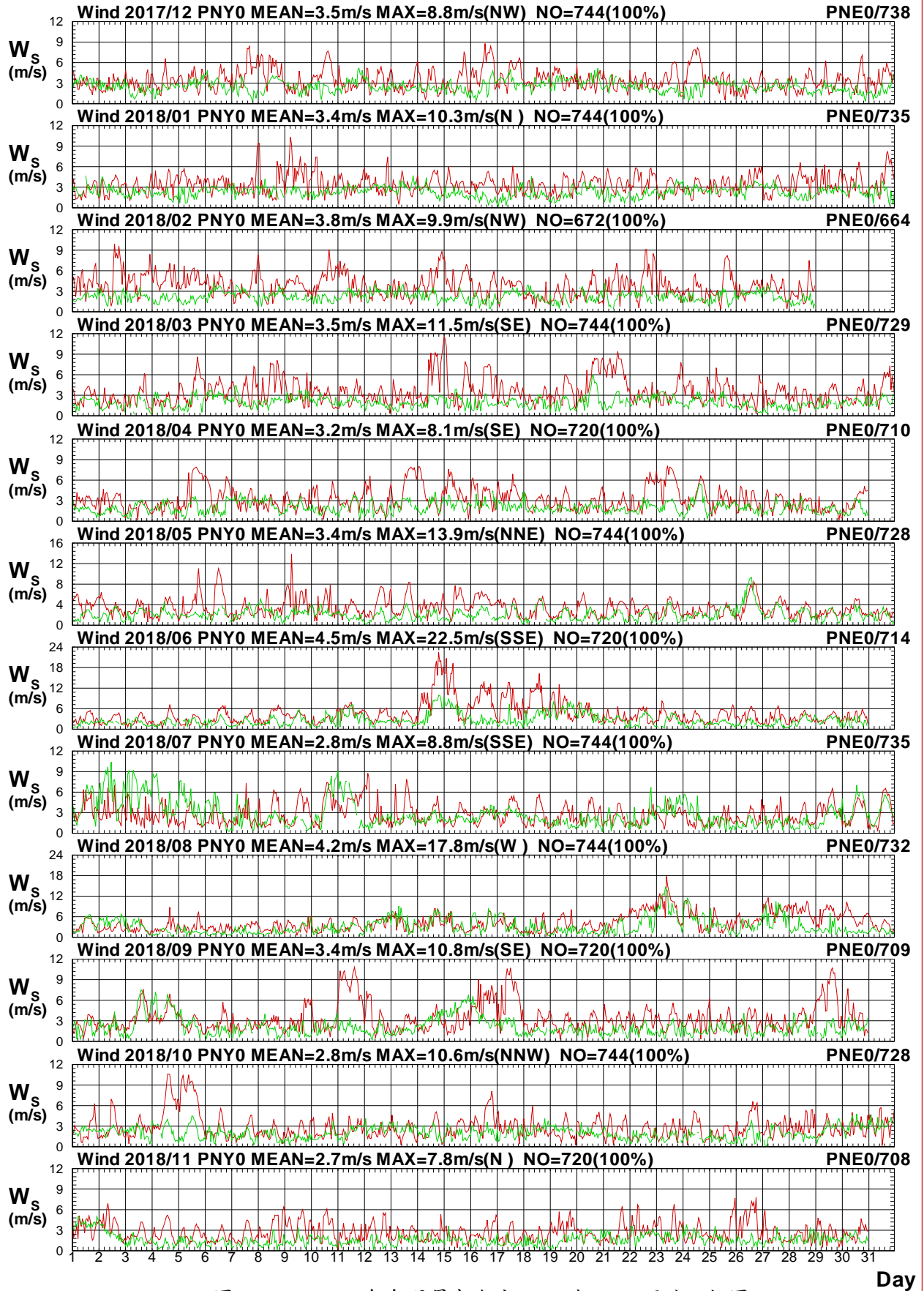


圖1.3.3a 2018年每月屏東海域 Y 站與 E 站風速比較圖

W17CPNY0.1HA W17CPNE0.1HO W181PNY0.1HA W181PNE0.1HO W182PNY0.1HA W182PNE0.1HO
 W183PNY0.1HA W183PNE0.1HO W184PNY0.1HA W184PNE0.1HO W185PNY0.1HA W185PNE0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

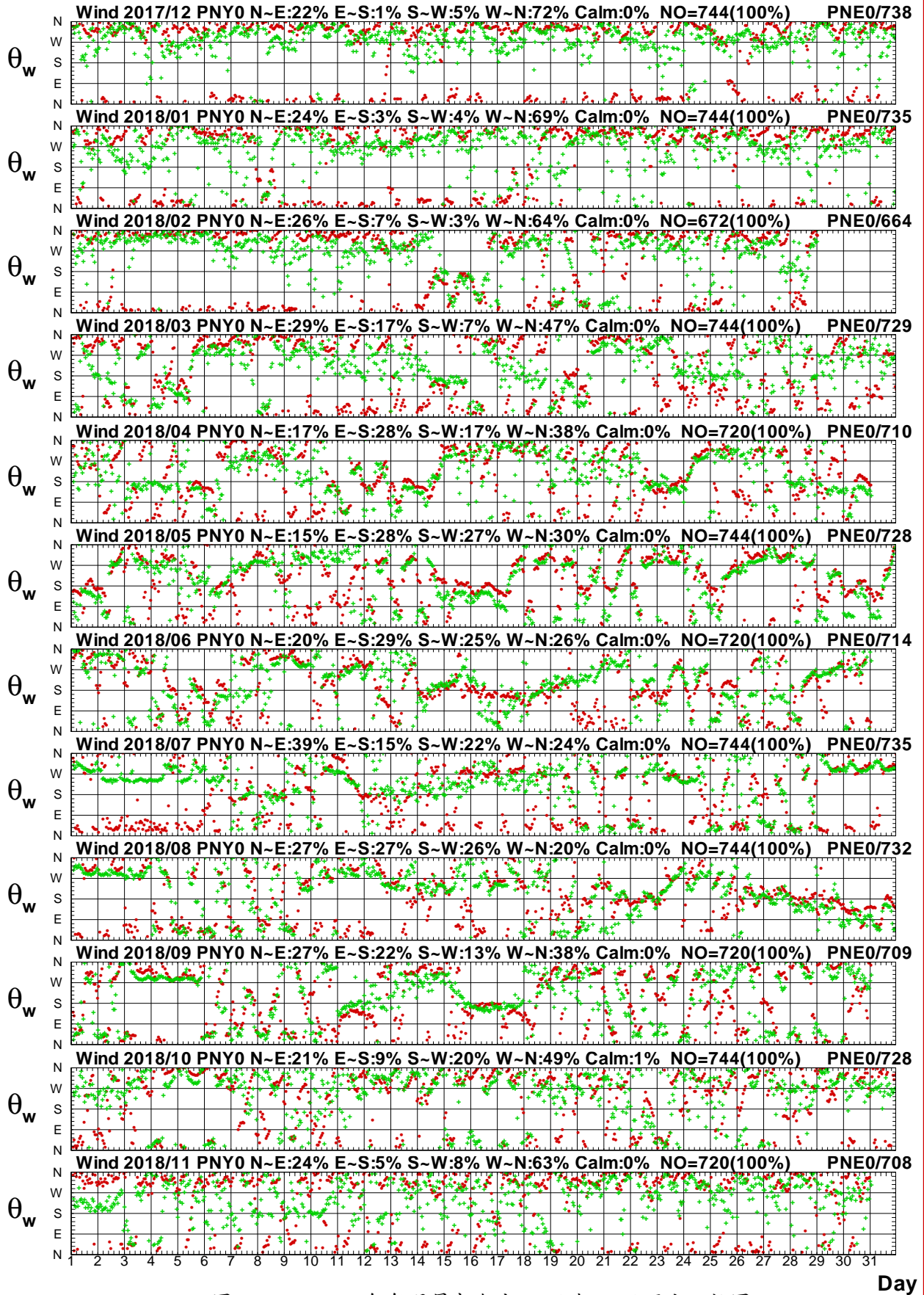


圖1.3.3b 2018年每月屏東海域 Y 站與 E 站風向比較圖

W17CPNY0.1HA W17CPNE0.1HO W181PNY0.1HA W181PNE0.1HO W182PNY0.1HA W182PNE0.1HO
 W183PNY0.1HA W183PNE0.1HO W184PNY0.1HA W184PNE0.1HO W185PNY0.1HA W185PNE0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

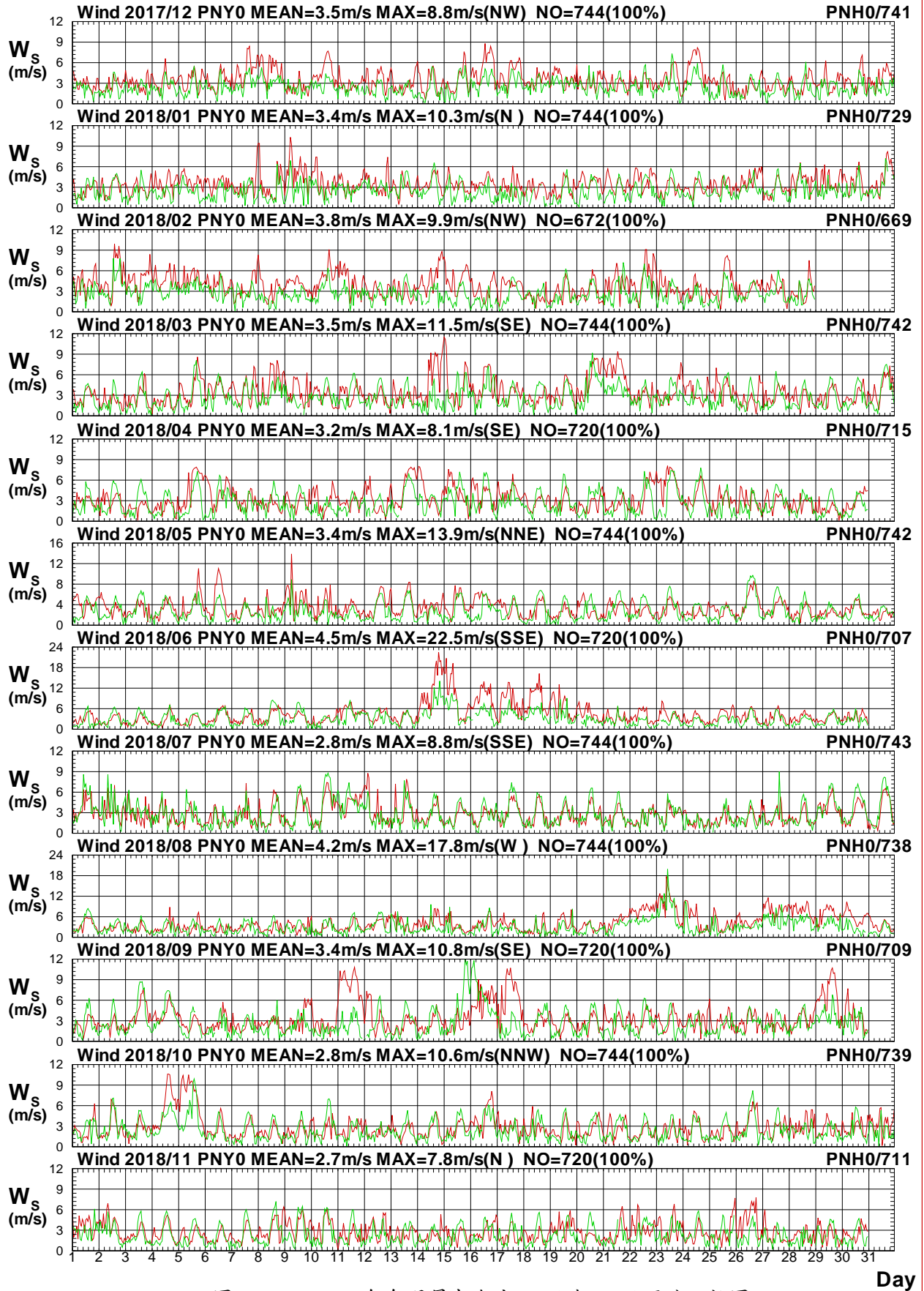


圖1.3.4a 2018年每月屏東海域 Y 站與 H 站風速比較圖

W17CPNY0.1HA W17CPNH0.1HO W181PNY0.1HA W181PNH0.1HO W182PNY0.1HA W182PNH0.1HO
 W183PNY0.1HA W183PNH0.1HO W184PNY0.1HA W184PNH0.1HO W185PNY0.1HA W185PNH0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

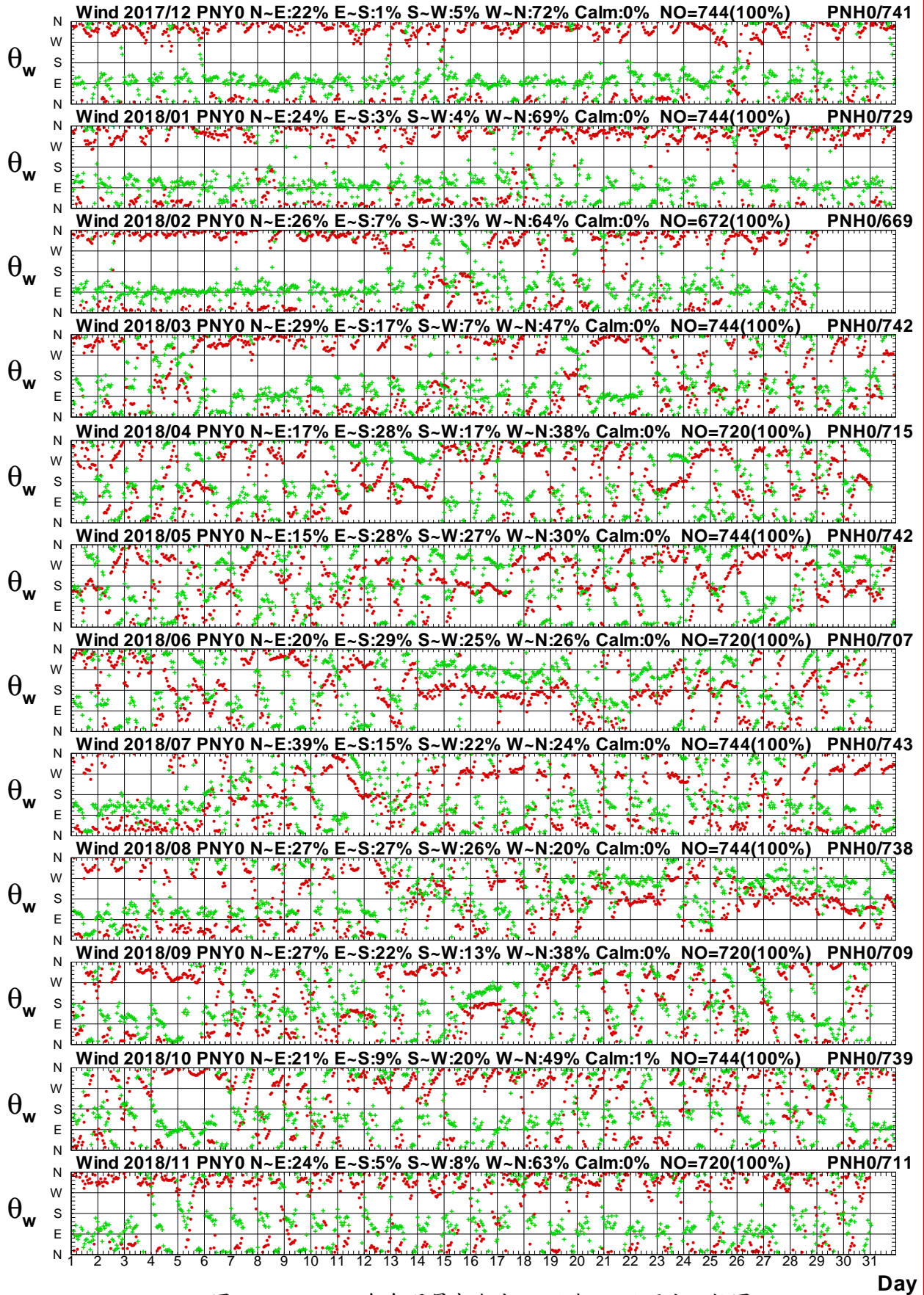


圖1.3.4b 2018年每月屏東海域 Y 站與 H 站風向比較圖

W17CPNY0.1HA W17CPNH0.1HO W181PNY0.1HA W181PNH0.1HO W182PNY0.1HA W182PNH0.1HO
 W183PNY0.1HA W183PNH0.1HO W184PNY0.1HA W184PNH0.1HO W185PNY0.1HA W185PNH0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

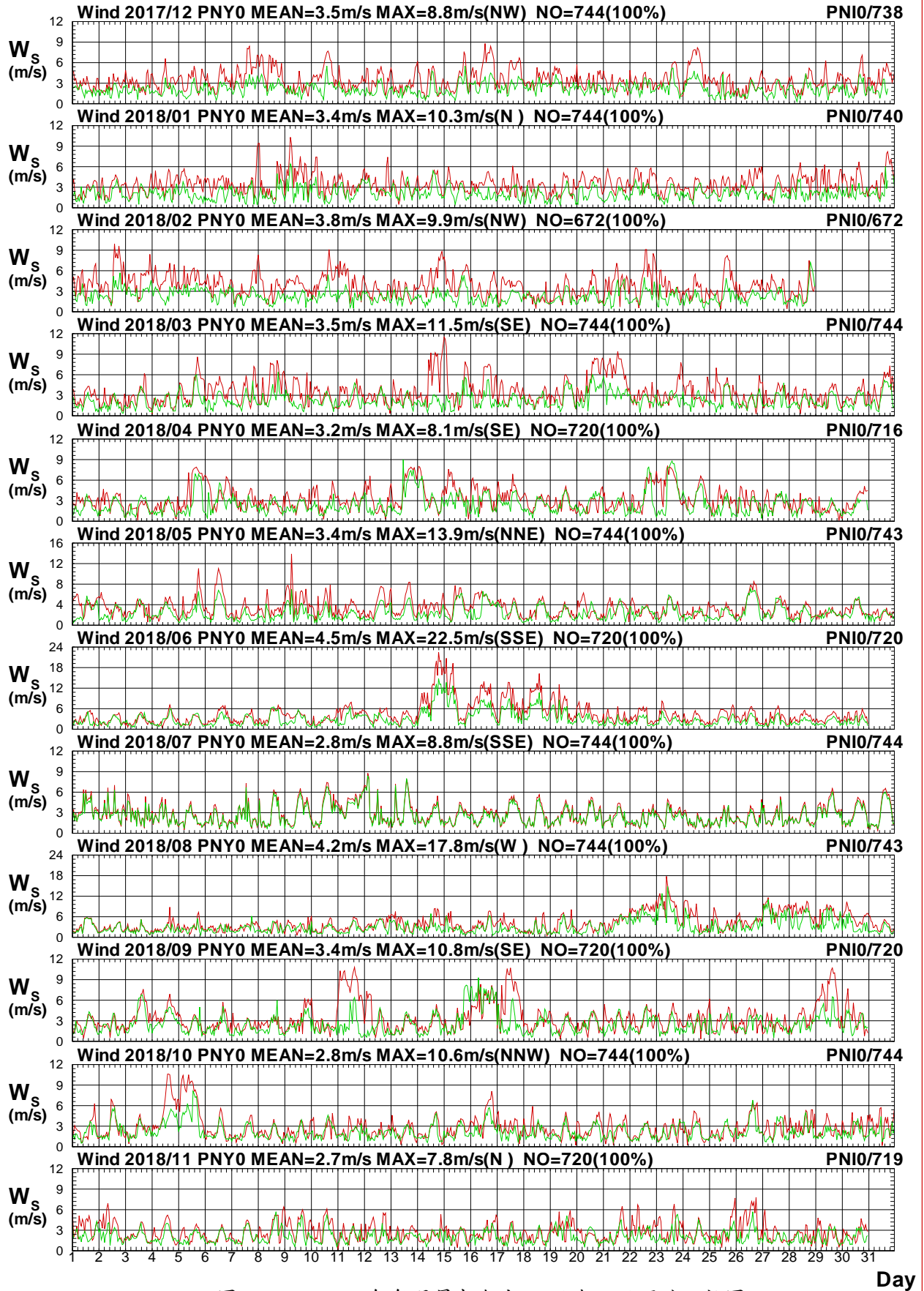


圖1.3.5a 2018年每月屏東海域 Y 站與 I 站風速比較圖

W17CPNY0.1HA W17CPNI0.1H0 W181PNY0.1HA W181PNI0.1H0 W182PNY0.1HA W182PNI0.1H0
 W183PNY0.1HA W183PNI0.1H0 W184PNY0.1HA W184PNI0.1H0 W185PNY0.1HA W185PNI0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

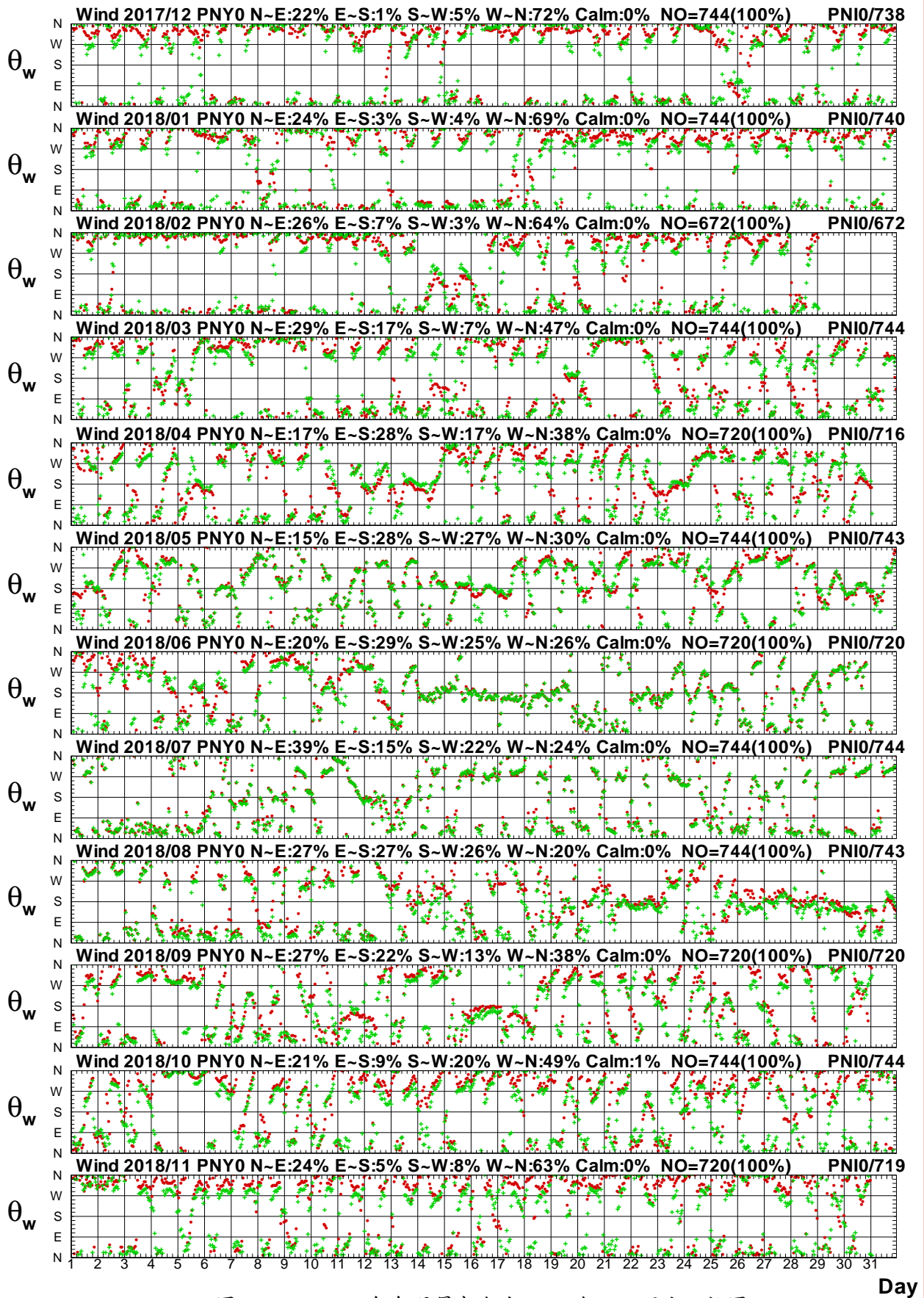


圖1.3.5b 2018年每月屏東海域 Y 站與 I 站風向比較圖

W17CPNY0.1HA W17CPNI0.1H0 W181PNY0.1HA W181PNI0.1H0 W182PNY0.1HA W182PNI0.1H0
 W183PNY0.1HA W183PNI0.1H0 W184PNY0.1HA W184PNI0.1H0 W185PNY0.1HA W185PNI0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

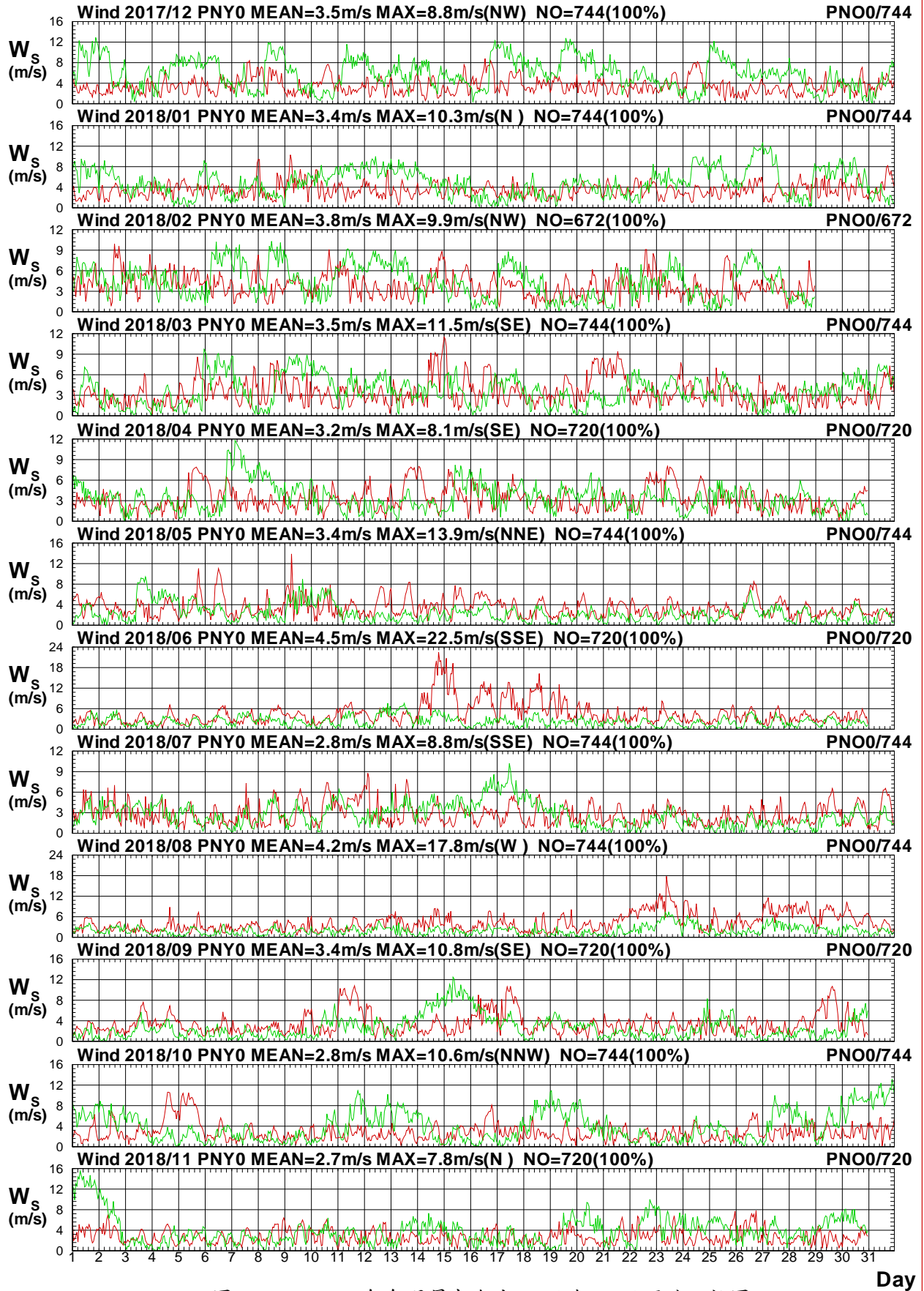


圖1.3.6a 2018年每月屏東海域 Y 站與 O 站風速比較圖

W17CPNY0.1HA W17CPNO0.1HO W181PNY0.1HA W181PNO0.1HO W182PNY0.1HA W182PNO0.1HO
 W183PNY0.1HA W183PNO0.1HO W184PNY0.1HA W184PNO0.1HO W185PNY0.1HA W185PNO0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

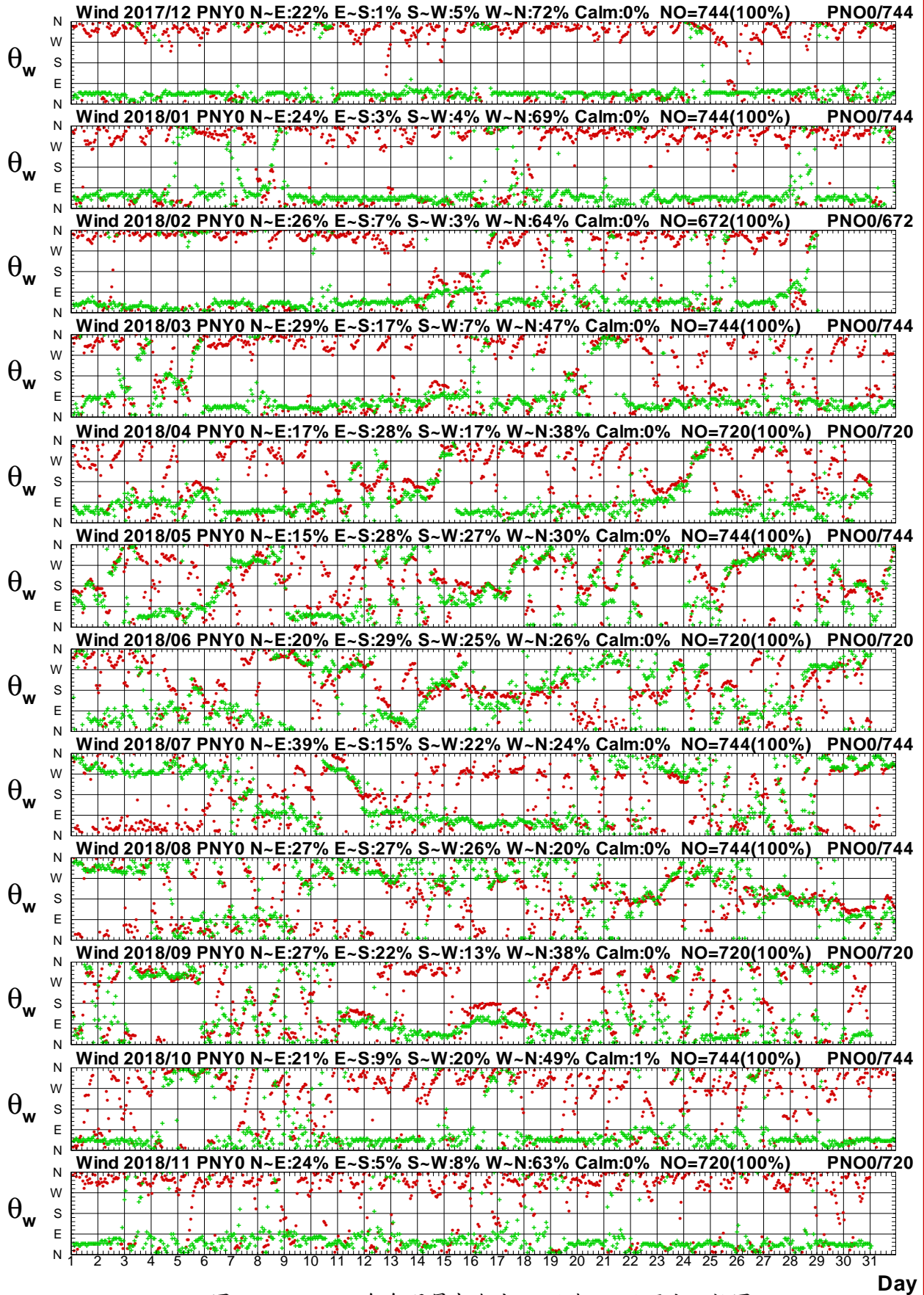


圖1.3.6b 2018年每月屏東海域 Y 站與 O 站風向比較圖

W17CPNY0.1HA W17CPNO0.1HO W181PNY0.1HA W181PNO0.1HO W182PNY0.1HA W182PNO0.1HO
W183PNY0.1HA W183PNO0.1HO W184PNY0.1HA W184PNO0.1HO W185PNY0.1HA W185PNO0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

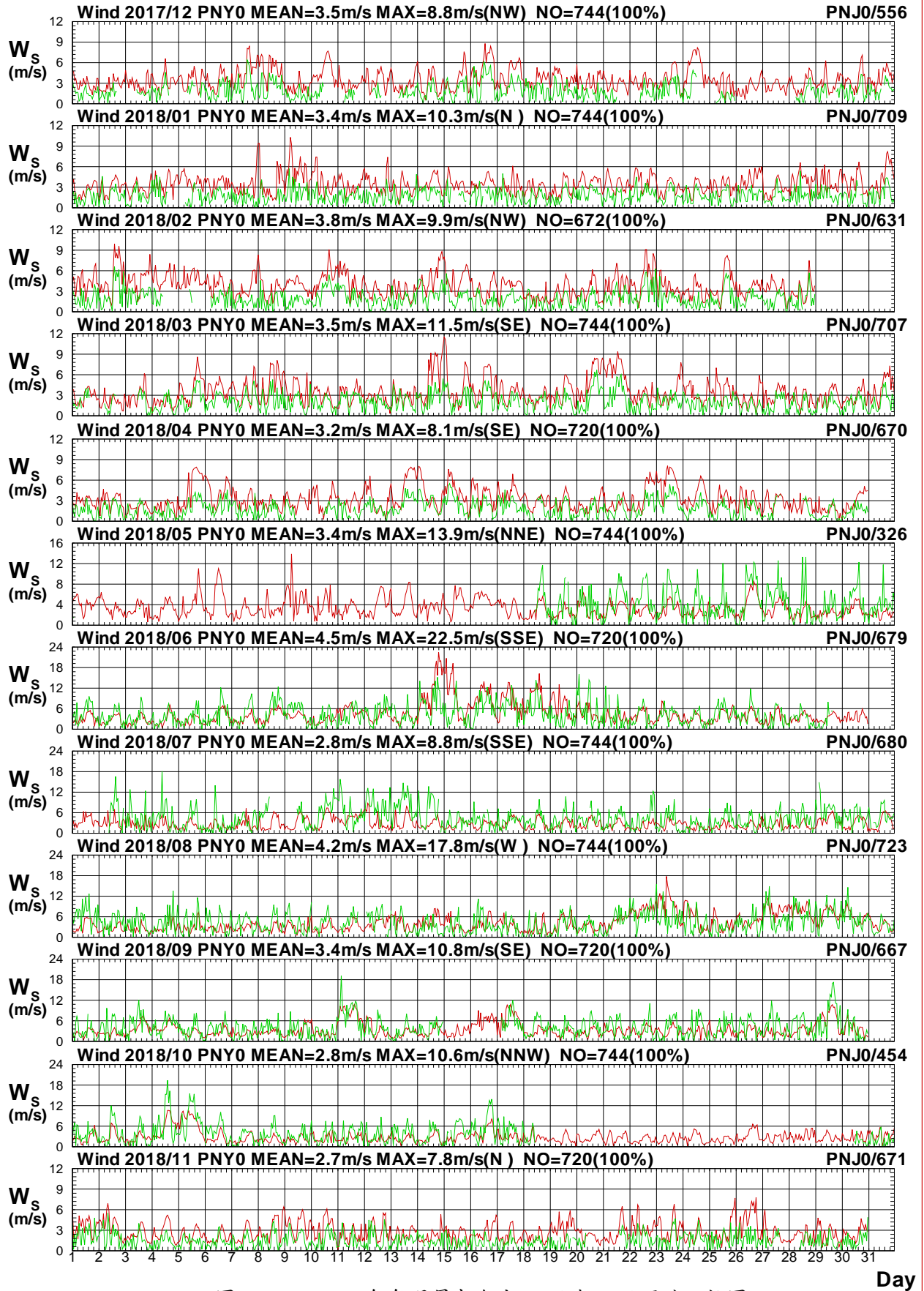


圖1.3.7a 2018年每月屏東海域 Y 站與 J 站風速比較圖

W17CPNY0.1HA W17CPNJ0.1H0 W181PNY0.1HA W181PNJ0.1H0 W182PNY0.1HA W182PNJ0.1H0
 W183PNY0.1HA W183PNJ0.1H0 W184PNY0.1HA W184PNJ0.1H0 W185PNY0.1HA W185PNJ0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

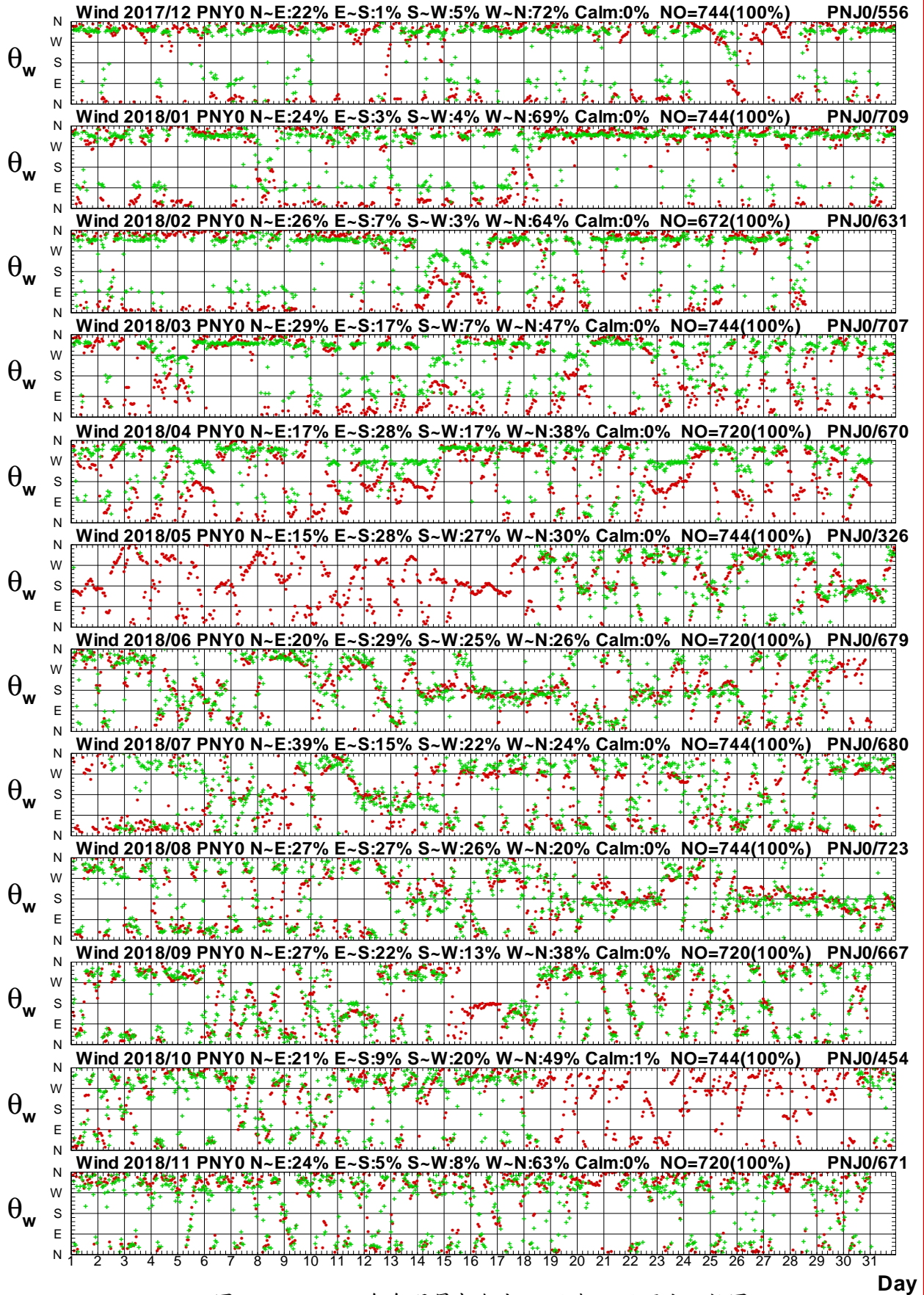


圖1.3.7b 2018年每月屏東海域 Y 站與 J 站風向比較圖

W17CPNY0.1HA W17CPNJ0.1H0 W181PNY0.1HA W181PNJ0.1H0 W182PNY0.1HA W182PNJ0.1H0
 W183PNY0.1HA W183PNJ0.1H0 W184PNY0.1HA W184PNJ0.1H0 W185PNY0.1HA W185PNJ0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

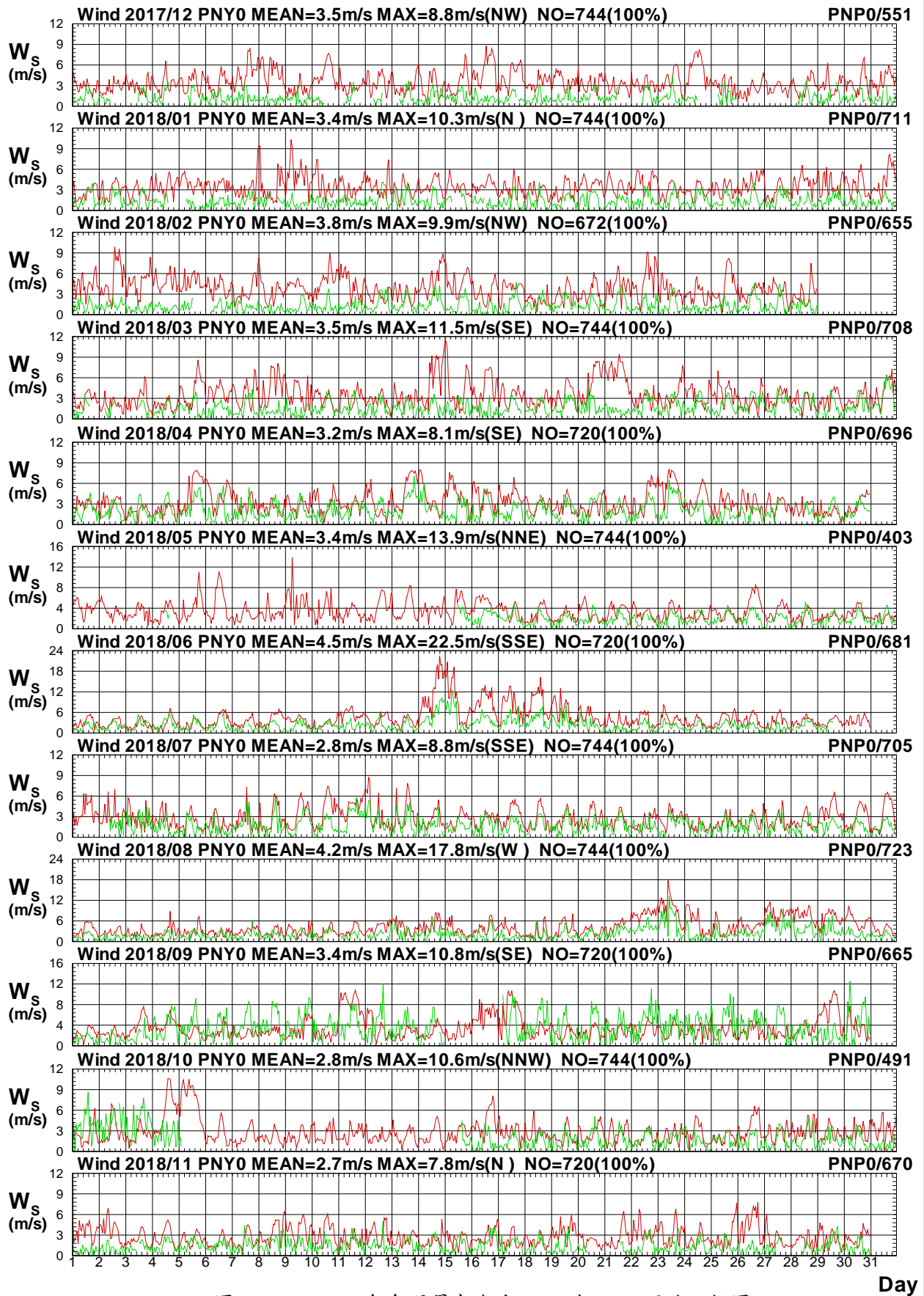


圖1.3.8a 2018年每月屏東海域 Y 站與 P 站風速比較圖

W17CPNY0.1HA W17CPNP0.1HO W181PNY0.1HA W181PNP0.1HO W182PNY0.1HA W182PNP0.1HO
 W183PNY0.1HA W183PNP0.1HO W184PNY0.1HA W184PNP0.1HO W185PNY0.1HA W185PNP0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

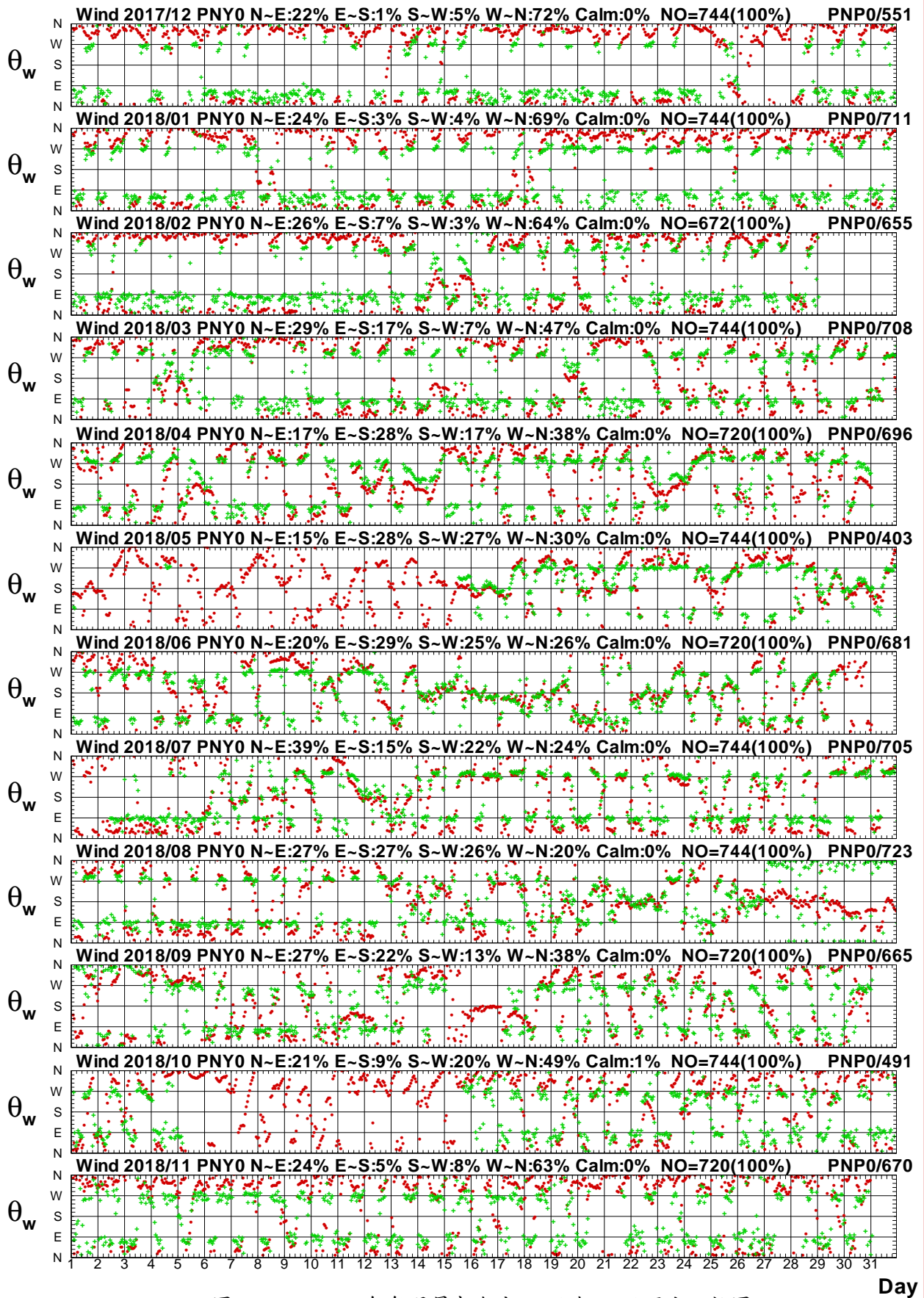


圖1.3.8b 2018年每月屏東海域 Y 站與 P 站風向比較圖

W17CPNY0.1HA W17CPNP0.1HO W181PNY0.1HA W181PNP0.1HO W182PNY0.1HA W182PNP0.1HO
 W183PNY0.1HA W183PNP0.1HO W184PNY0.1HA W184PNP0.1HO W185PNY0.1HA W185PNP0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

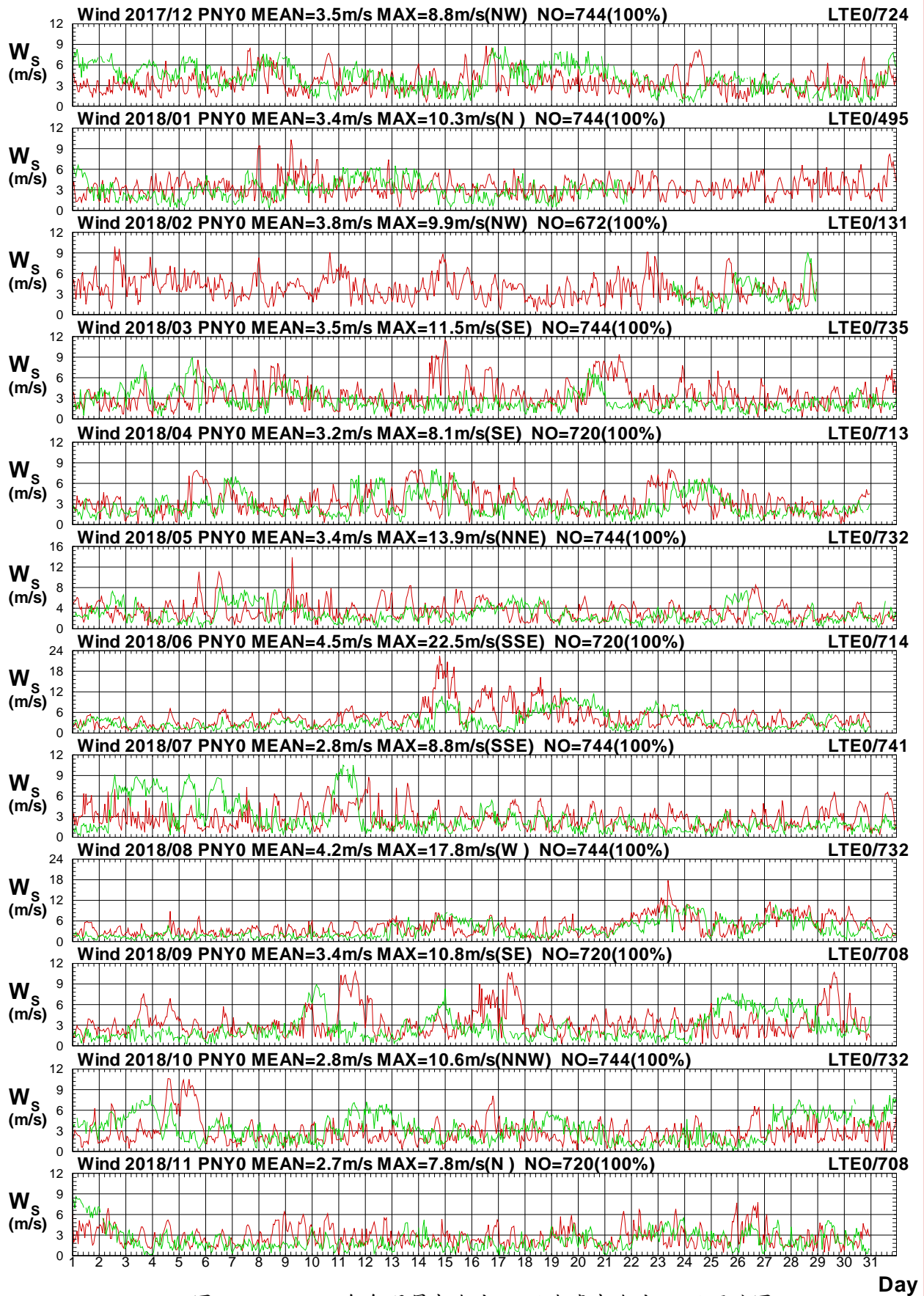


圖1.3.9a 2018年每月屏東海域 Y 站與臺東海域 E 站風速圖

W17CPNY0.1HA W17CLTE0.1H0 W181PNY0.1HA W181LTE0.1H0 W182PNY0.1HA W182LTE0.1H0
 W183PNY0.1HA W183LTE0.1H0 W184PNY0.1HA W184LTE0.1H0 W185PNY0.1HA W185LTE0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

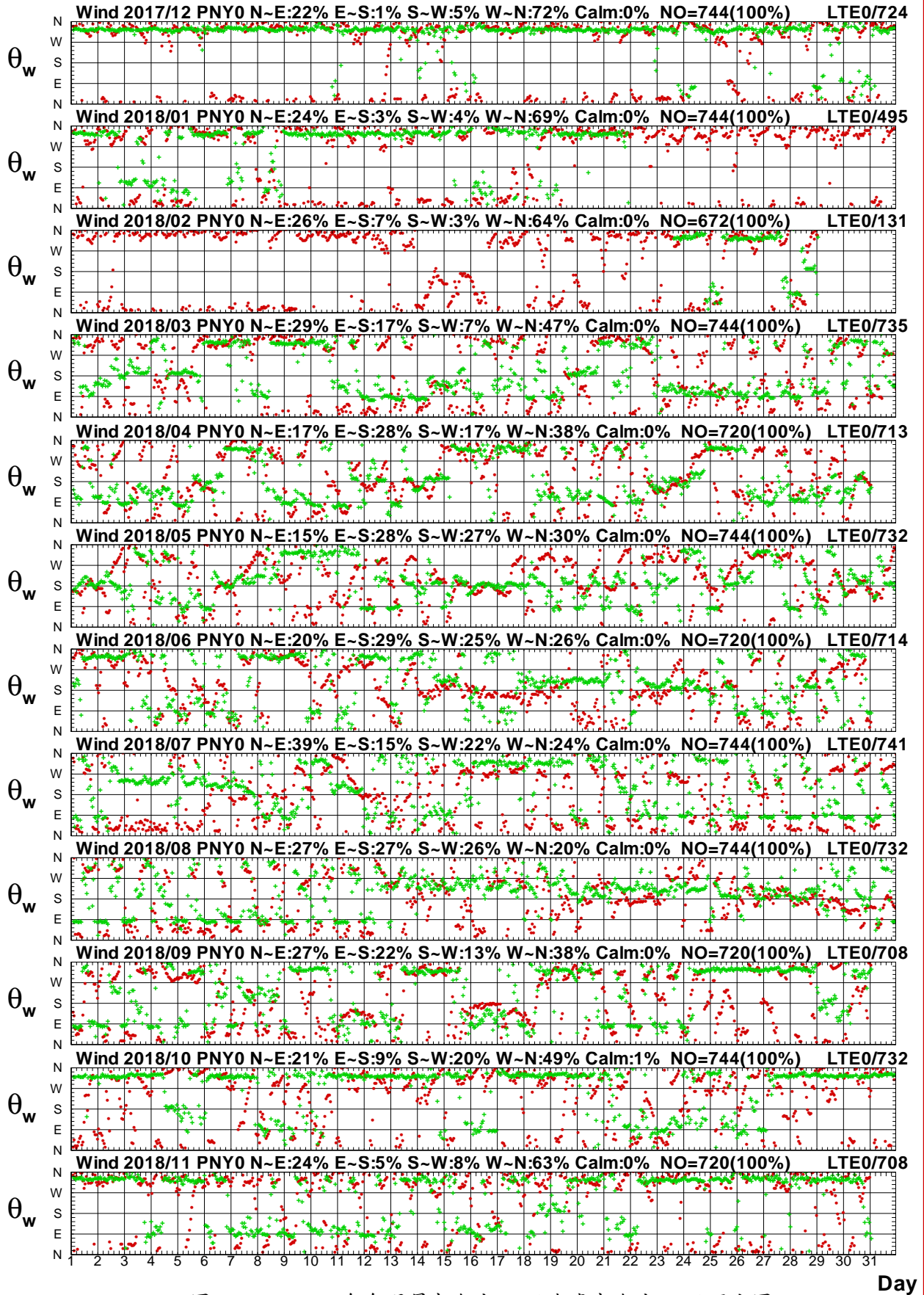


圖1.3.9b 2018年每月屏東海域 Y 站與臺東海域 E 站風向圖

W17CPNY0.1HA W17CLTE0.1H0 W181PNY0.1HA W181LTE0.1H0 W182PNY0.1HA W182LTE0.1H0
 W183PNY0.1HA W183LTE0.1H0 W184PNY0.1HA W184LTE0.1H0 W185PNY0.1HA W185LTE0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

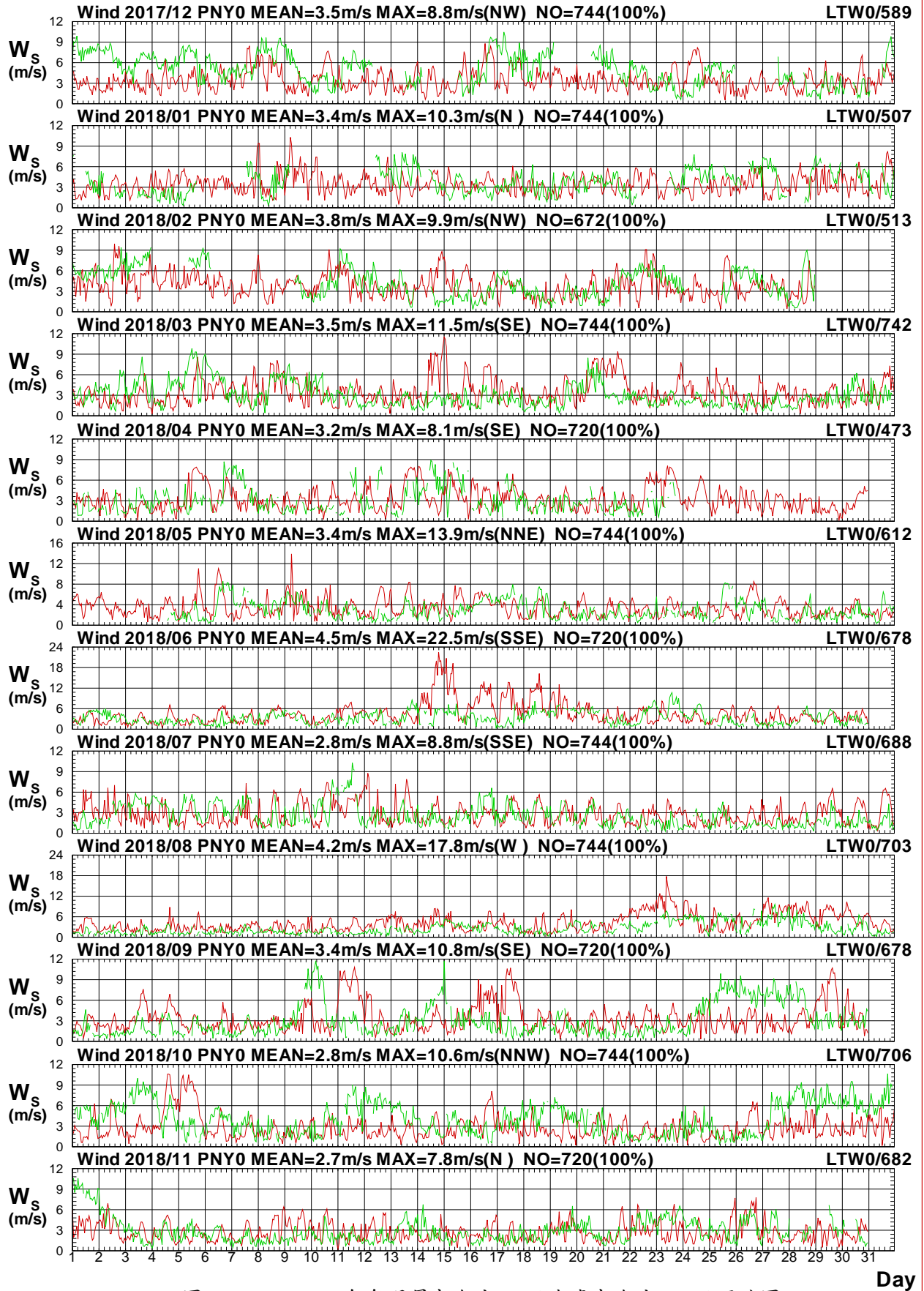


圖 1.3.10a 2018年每月屏東海域 Y 站與臺東海域 W 站風速圖

W17CPNY0.1HA W17CLTW0.1HO W181PNY0.1HA W181LTW0.1HO W182PNY0.1HA W182LTW0.1HO
 W183PNY0.1HA W183LTW0.1HO W184PNY0.1HA W184LTW0.1HO W185PNY0.1HA W185LTW0.1HO
 Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

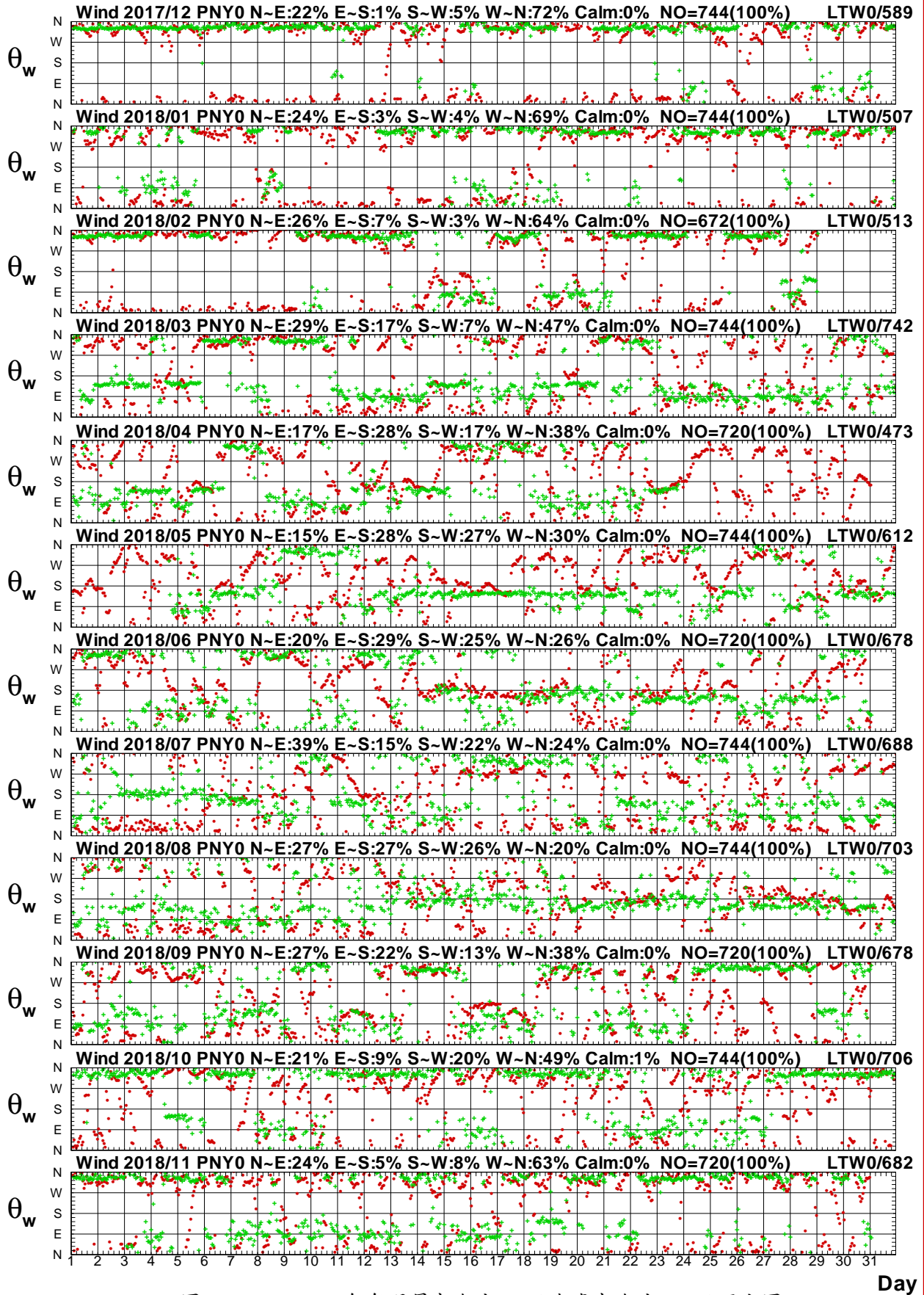


圖 1.3.10b 2018年每月屏東海域 Y 站與臺東海域 W 站風向圖

W17CPNY0.1HA W17CLTW0.1H0 W181PNY0.1HA W181LTW0.1H0 W182PNY0.1HA W182LTW0.1H0
 W183PNY0.1HA W183LTW0.1H0 W184PNY0.1HA W184LTW0.1H0 W185PNY0.1HA W185LTW0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

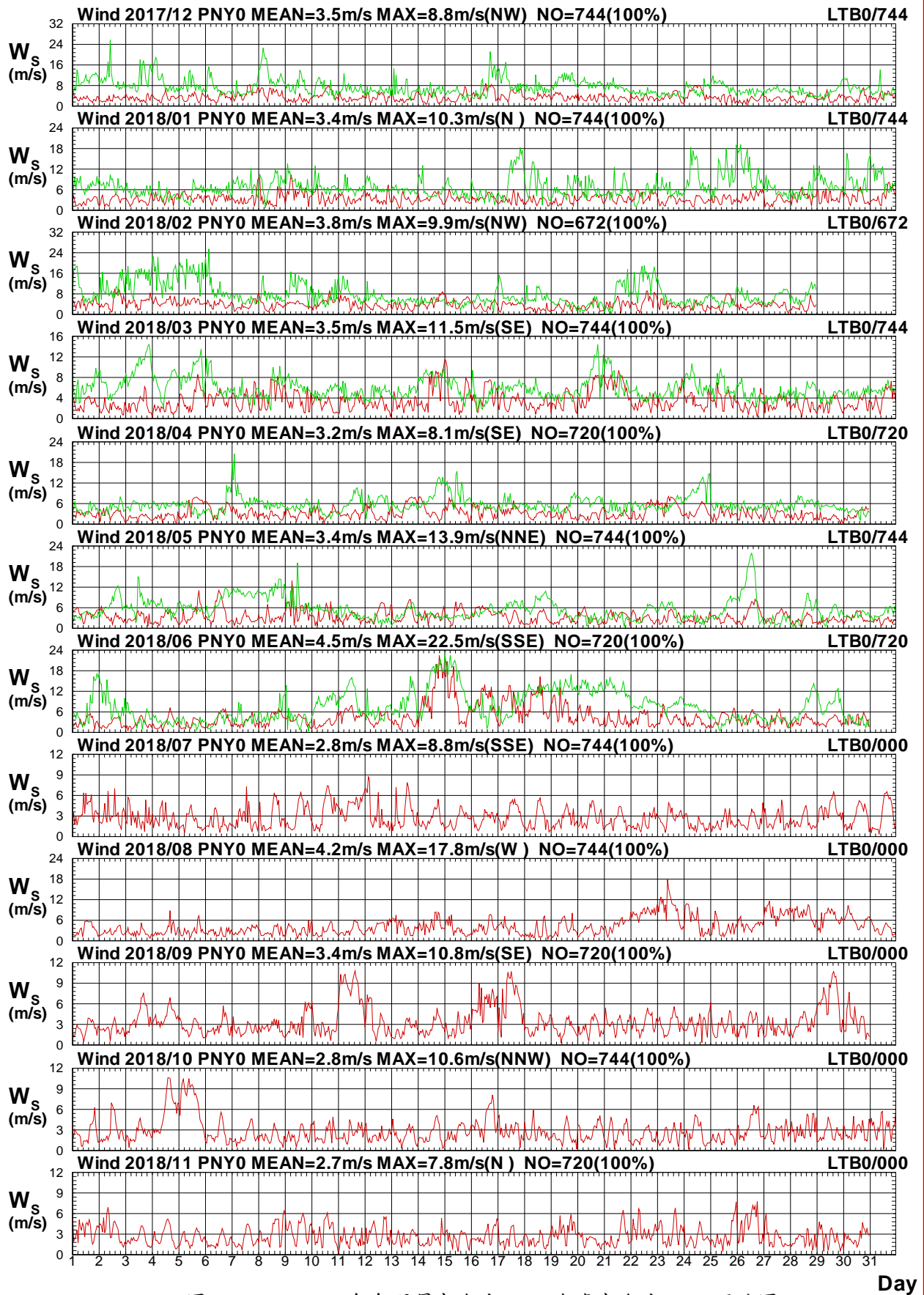


圖1.3.11a 2018年每月屏東海域 Y 站與臺東海域 B 站風速圖

W17CPNY0.1HA W17CLTB0.1H0 W181PNY0.1HA W181LTB0.1H0 W182PNY0.1HA W182LTB0.1H0
W183PNY0.1HA W183LTB0.1H0 W184PNY0.1HA W184LTB0.1H0 W185PNY0.1HA W185LTB0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

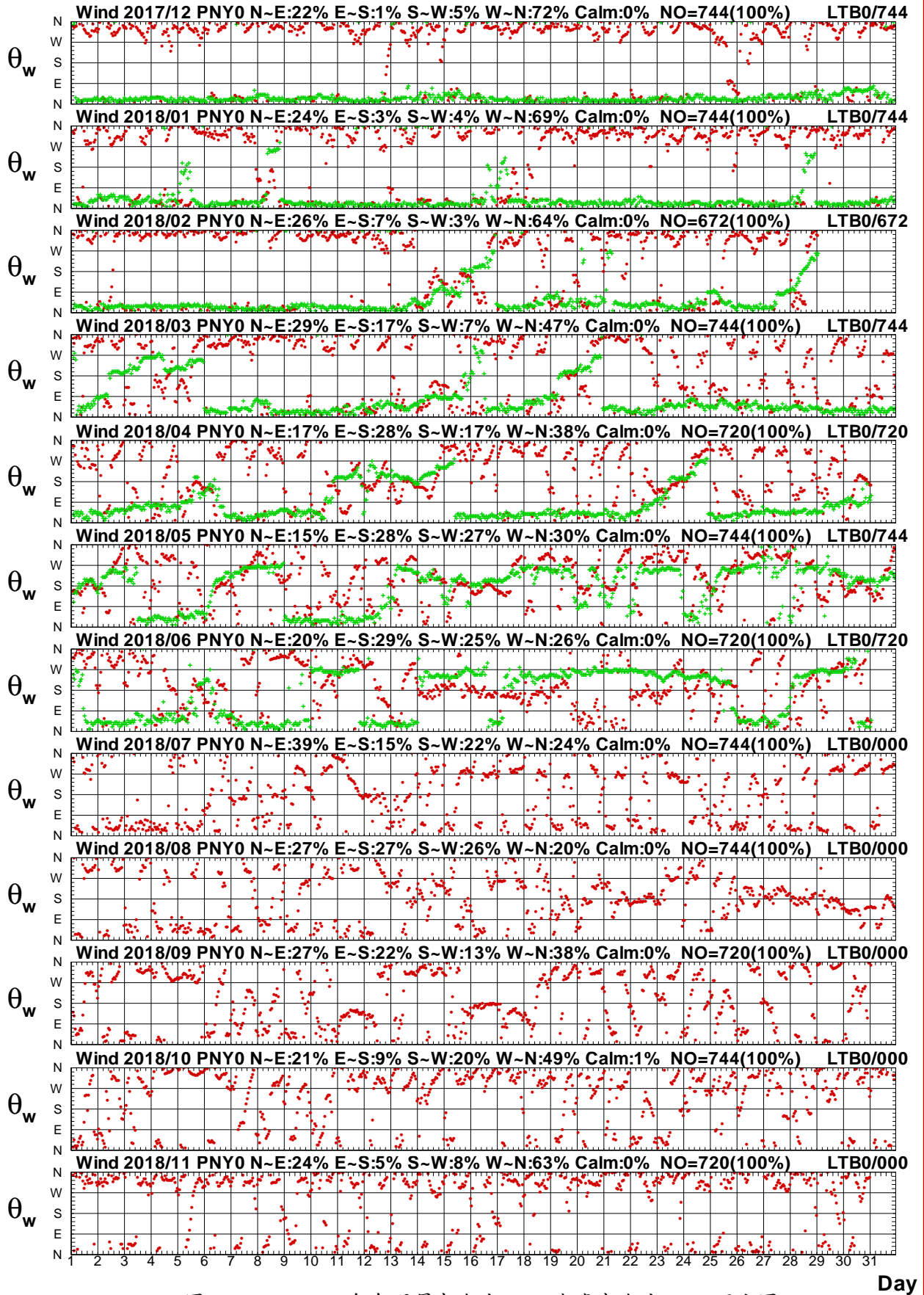


圖1.3.11b 2018年每月屏東海域 Y 站與臺東海域 B 站風向圖

W17CPNY0.1HA W17CLTB0.1H0 W181PNY0.1HA W181LTB0.1H0 W182PNY0.1HA W182LTB0.1H0
 W183PNY0.1HA W183LTB0.1H0 W184PNY0.1HA W184LTB0.1H0 W185PNY0.1HA W185LTB0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

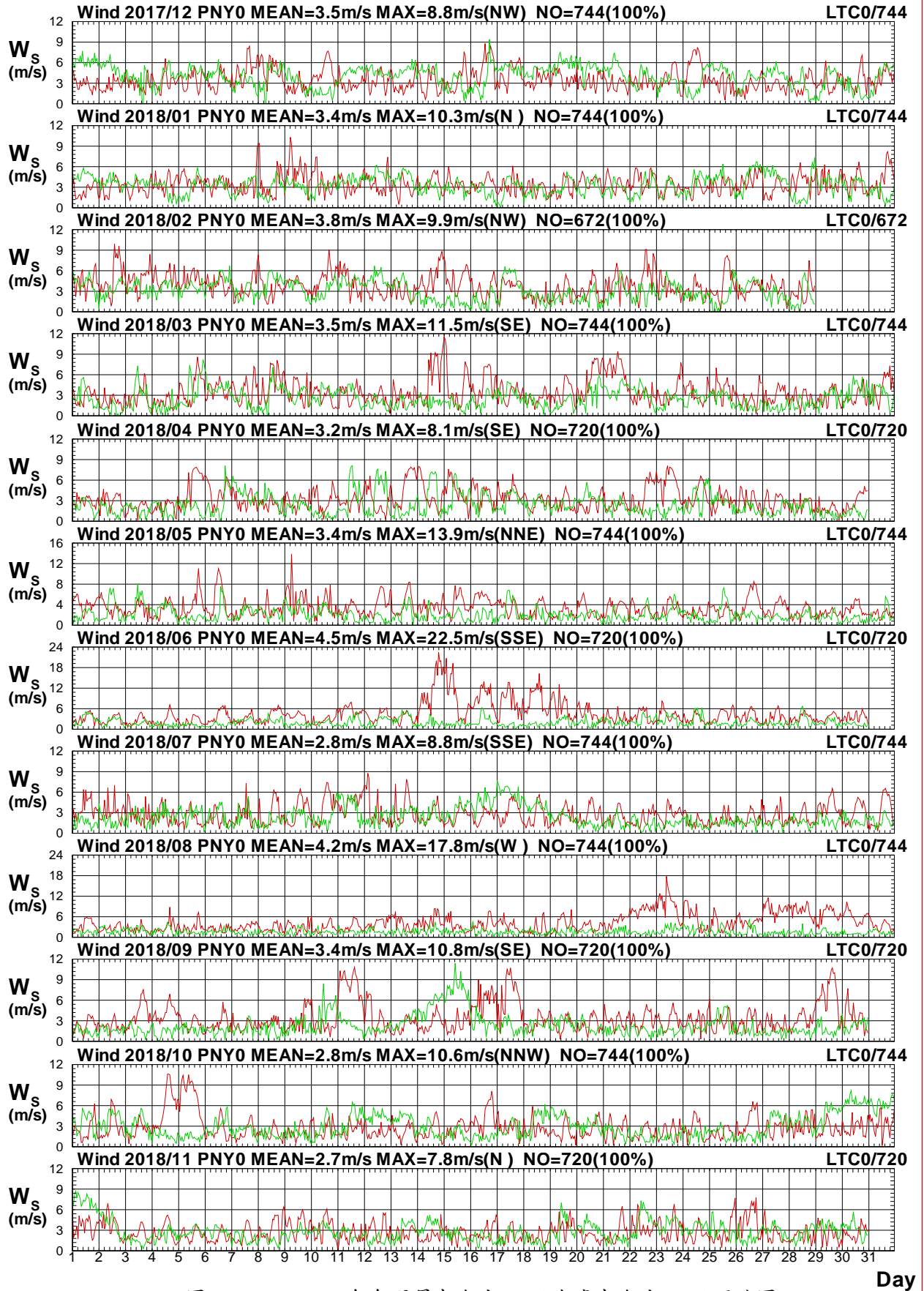


圖 1.3.12a 2018 年每月屏東海域 Y 站與臺東海域 C 站風速圖

W17CPNY0.1HA W17CLTC0.1H0 W181PNY0.1HA W181LTC0.1H0 W182PNY0.1HA W182LTC0.1H0
 W183PNY0.1HA W183LTC0.1H0 W184PNY0.1HA W184LTC0.1H0 W185PNY0.1HA W185LTC0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

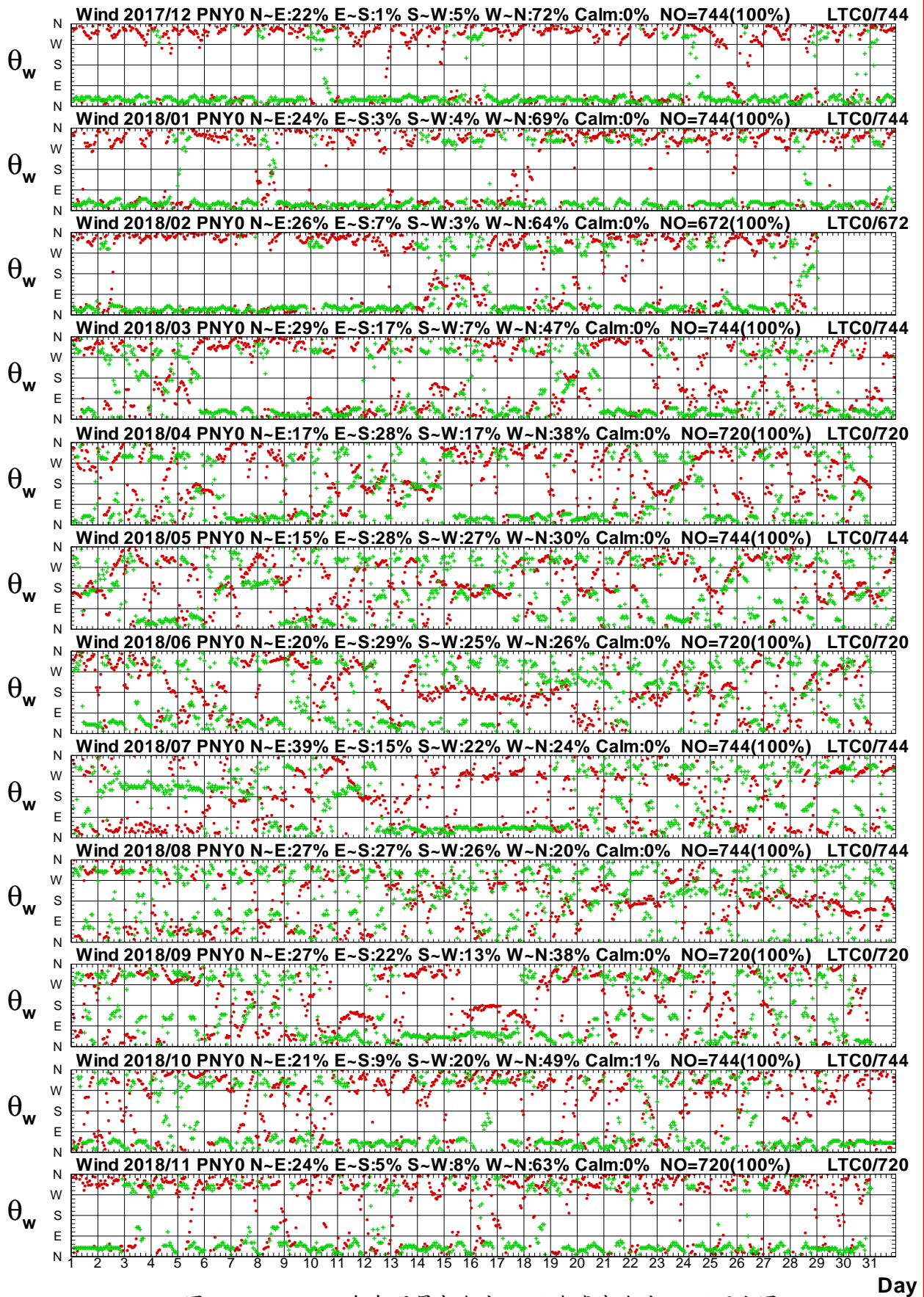


圖 1.3.12b 2018 年每月屏東海域 Y 站與臺東海域 C 站風向圖

W17CPNY0.1HA W17CLTC0.1H0 W181PNY0.1HA W181LTC0.1H0 W182PNY0.1HA W182LTC0.1H0
 W183PNY0.1HA W183LTC0.1H0 W184PNY0.1HA W184LTC0.1H0 W185PNY0.1HA W185LTC0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

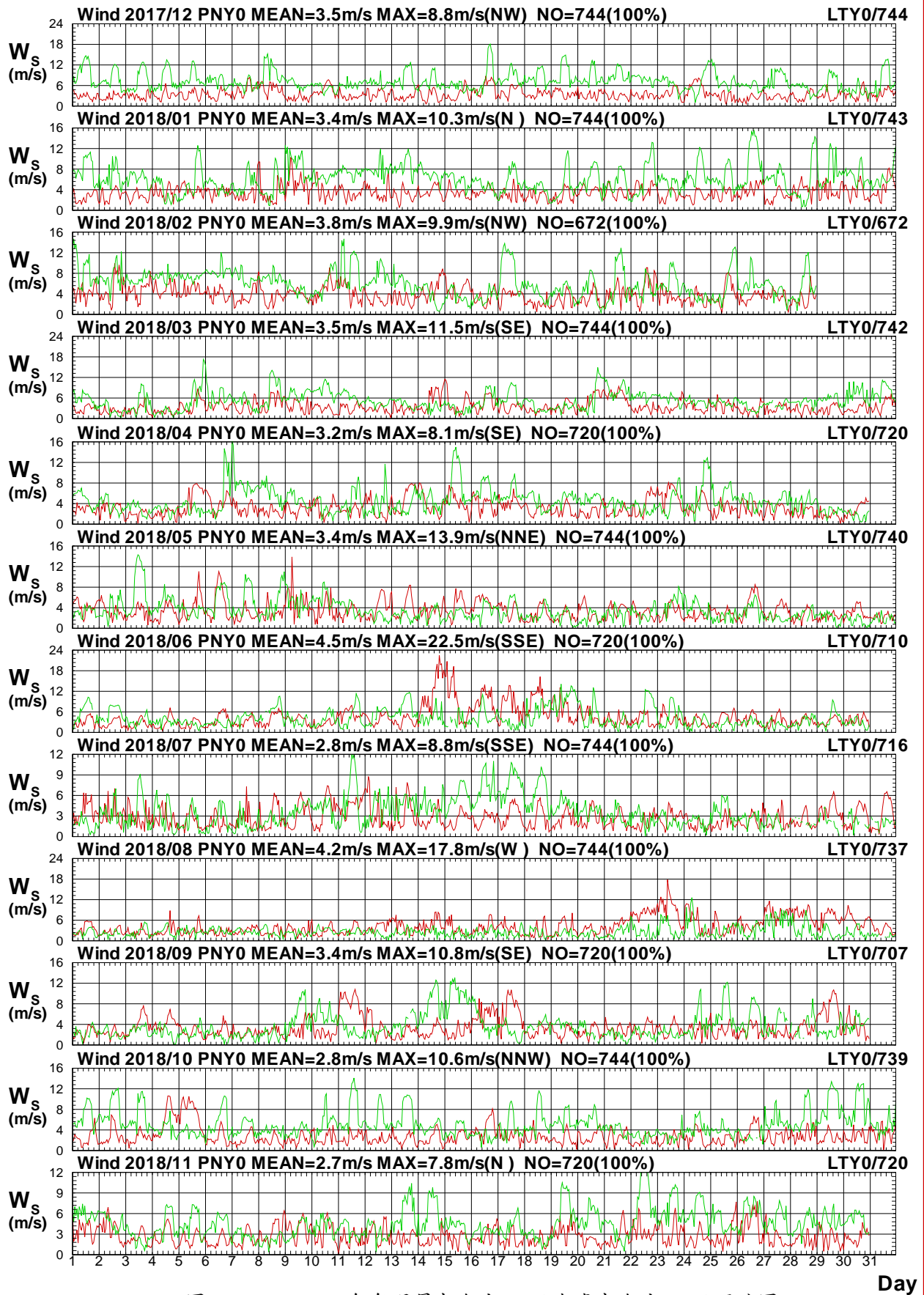


圖 1.3.13a 2018 年每月屏東海域 Y 站與臺東海域 Y 站風速圖

W17CPNY0.1HA W17CLTY0.1H0 W181PNY0.1HA W181LTY0.1H0 W182PNY0.1HA W182LTY0.1H0
W183PNY0.1HA W183LTY0.1H0 W184PNY0.1HA W184LTY0.1H0 W185PNY0.1HA W185LTY0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

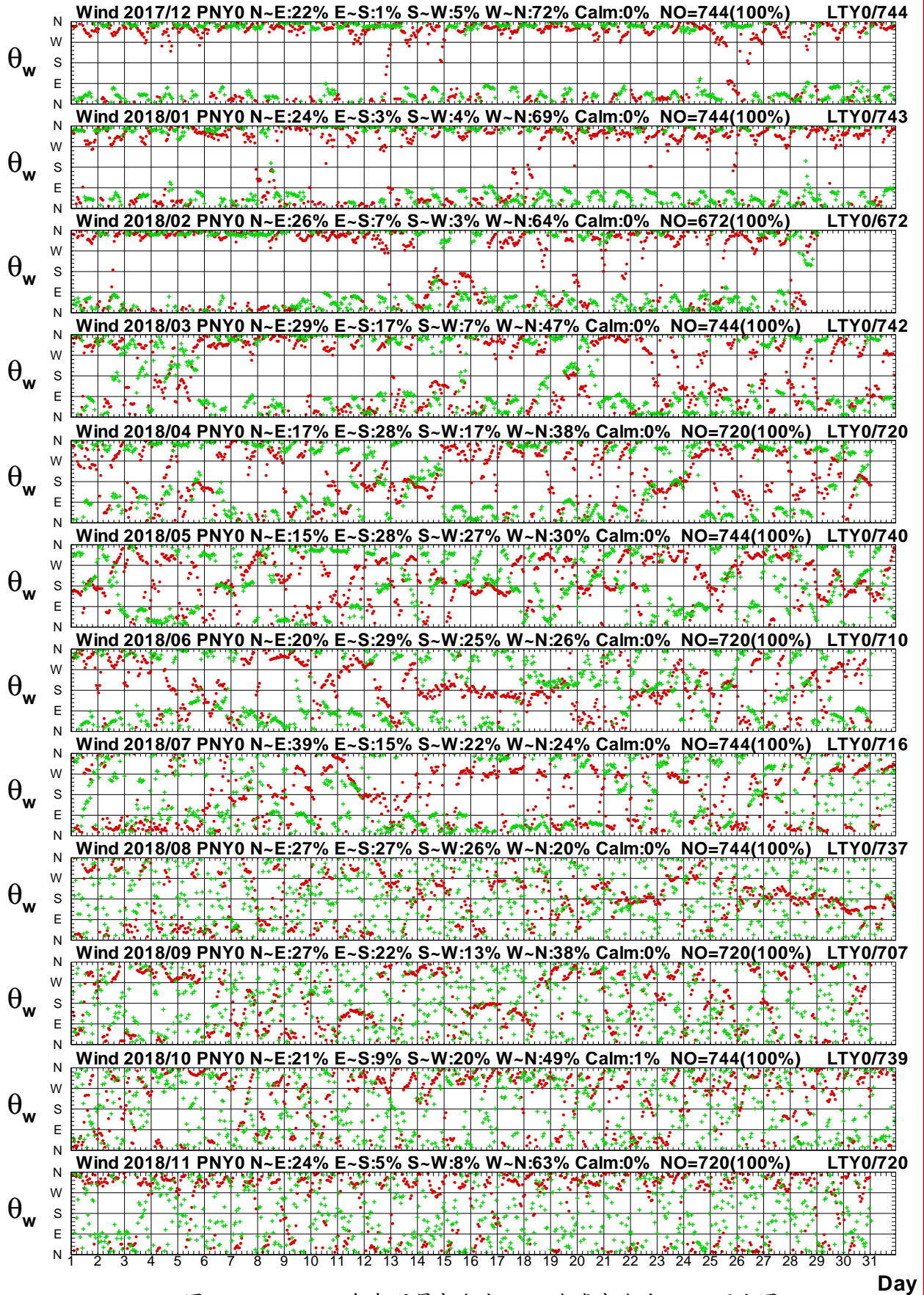


圖 1.3.13b 2018 年每月屏東海域 Y 站與臺東海域 Y 站風向圖

W17CPNY0.1HA W17CLTY0.1H0 W181PNY0.1HA W181LTY0.1H0 W182PNY0.1HA W182LTY0.1H0
W183PNY0.1HA W183LTY0.1H0 W184PNY0.1HA W184LTY0.1H0 W185PNY0.1HA W185LTY0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

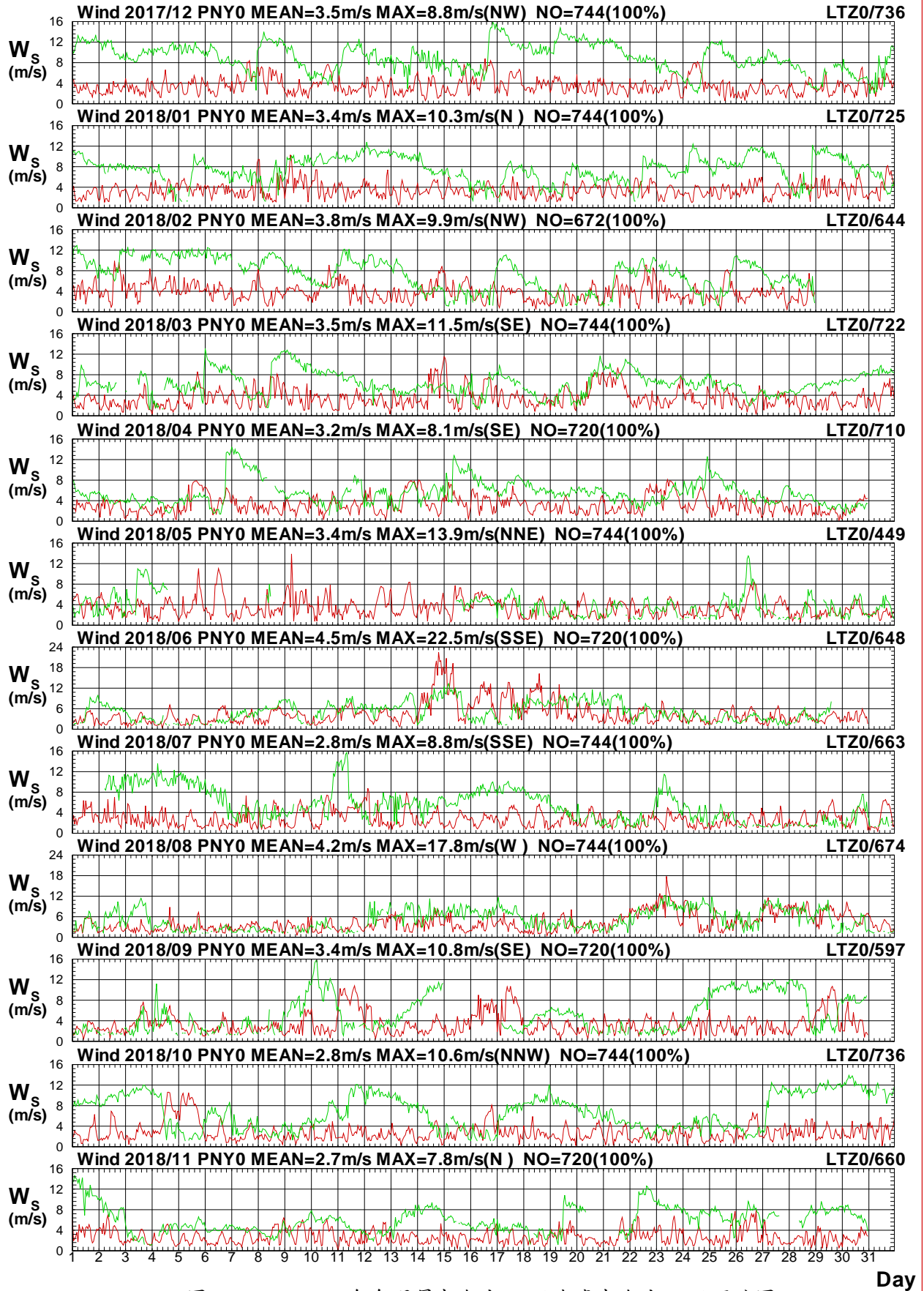


圖 1.3.14a 2018年每月屏東海域 Y 站與臺東海域 Z 站風速圖

W17CPNY0.1HA W17CLTZ0.1H0 W181PNY0.1HA W181LTZ0.1H0 W182PNY0.1HA W182LTZ0.1H0
 W183PNY0.1HA W183LTZ0.1H0 W184PNY0.1HA W184LTZ0.1H0 W185PNY0.1HA W185LTZ0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

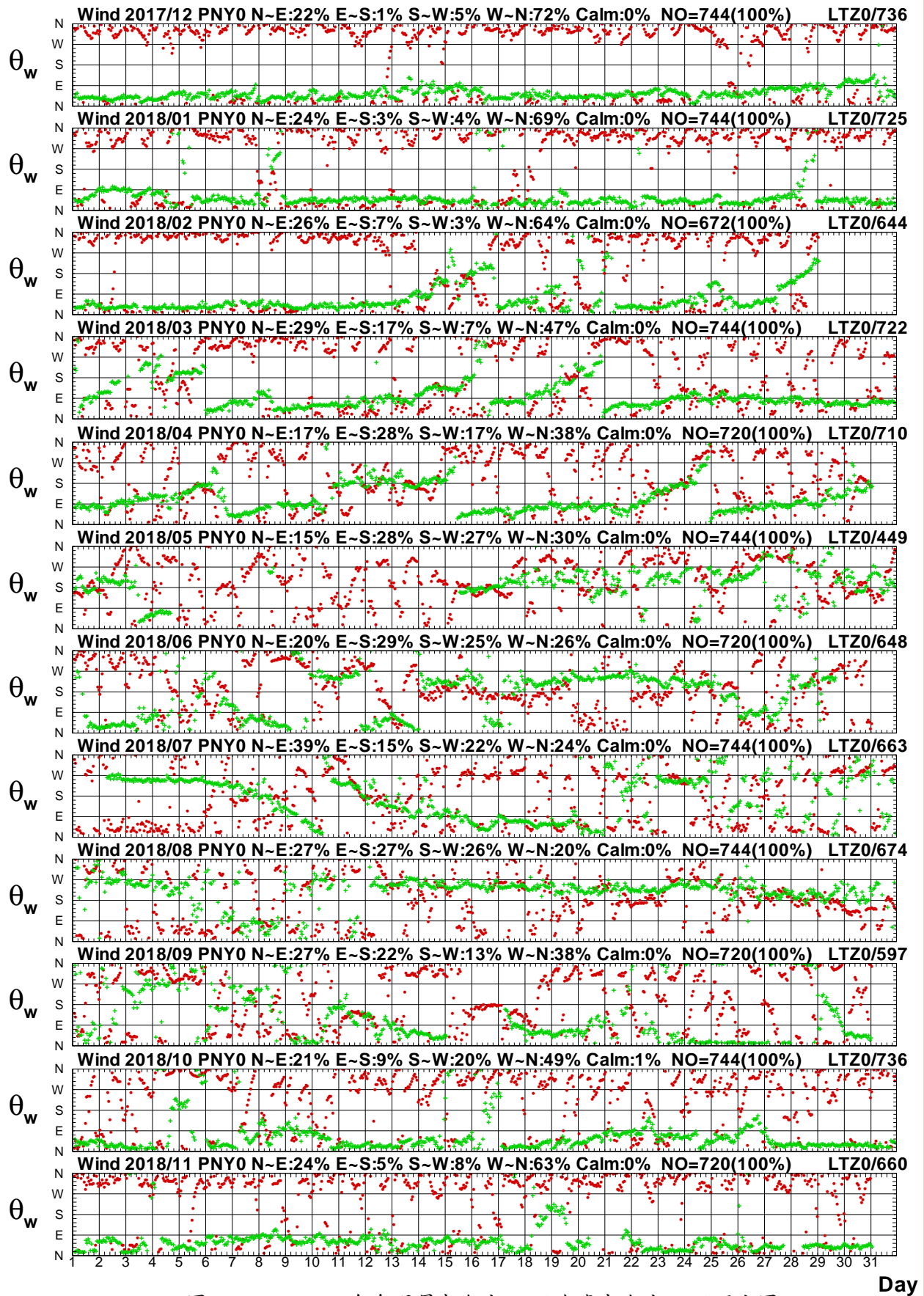


圖1.3.14b 2018年每月屏東海域 Y 站與臺東海域 Z 站風向圖

W17CPNY0.1HA W17CLTZ0.1H0 W181PNY0.1HA W181LTZ0.1H0 W182PNY0.1HA W182LTZ0.1H0
W183PNY0.1HA W183LTZ0.1H0 W184PNY0.1HA W184LTZ0.1H0 W185PNY0.1HA W185LTZ0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

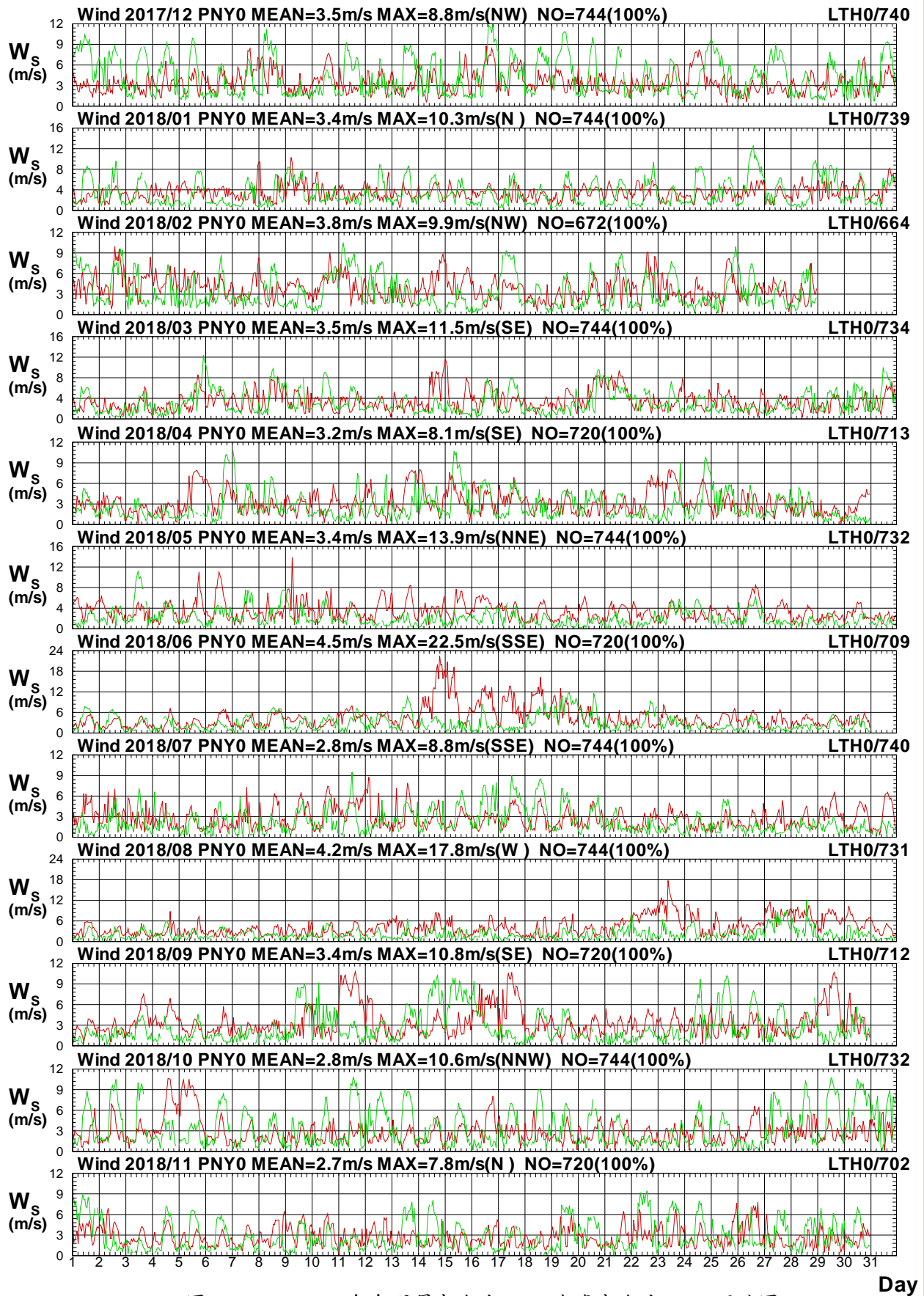


圖 1.3.15a 2018年每月屏東海域 Y 站與臺東海域 H 站風速圖

W17CPNY0.1HA W17CLTH0.1H0 W181PNY0.1HA W181LTH0.1H0 W182PNY0.1HA W182LTH0.1H0
 W183PNY0.1HA W183LTH0.1H0 W184PNY0.1HA W184LTH0.1H0 W185PNY0.1HA W185LTH0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

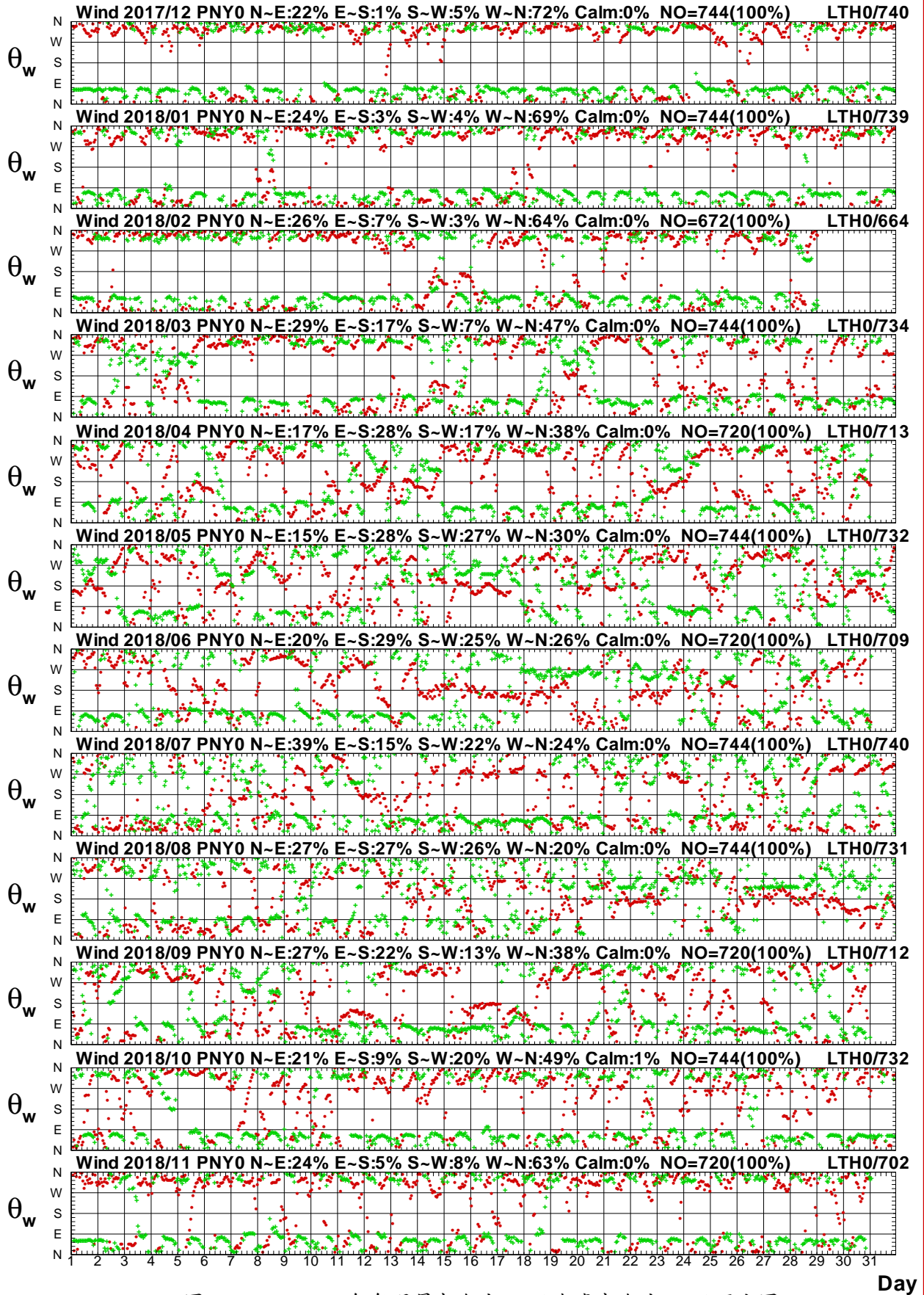


圖 1.3.15b 2018 年每月屏東海域 Y 站與臺東海域 H 站風向圖

W17CPNY0.1HA W17CLTH0.1H0 W181PNY0.1HA W181LTH0.1H0 W182PNY0.1HA W182LTH0.1H0
W183PNY0.1HA W183LTH0.1H0 W184PNY0.1HA W184LTH0.1H0 W185PNY0.1HA W185LTH0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

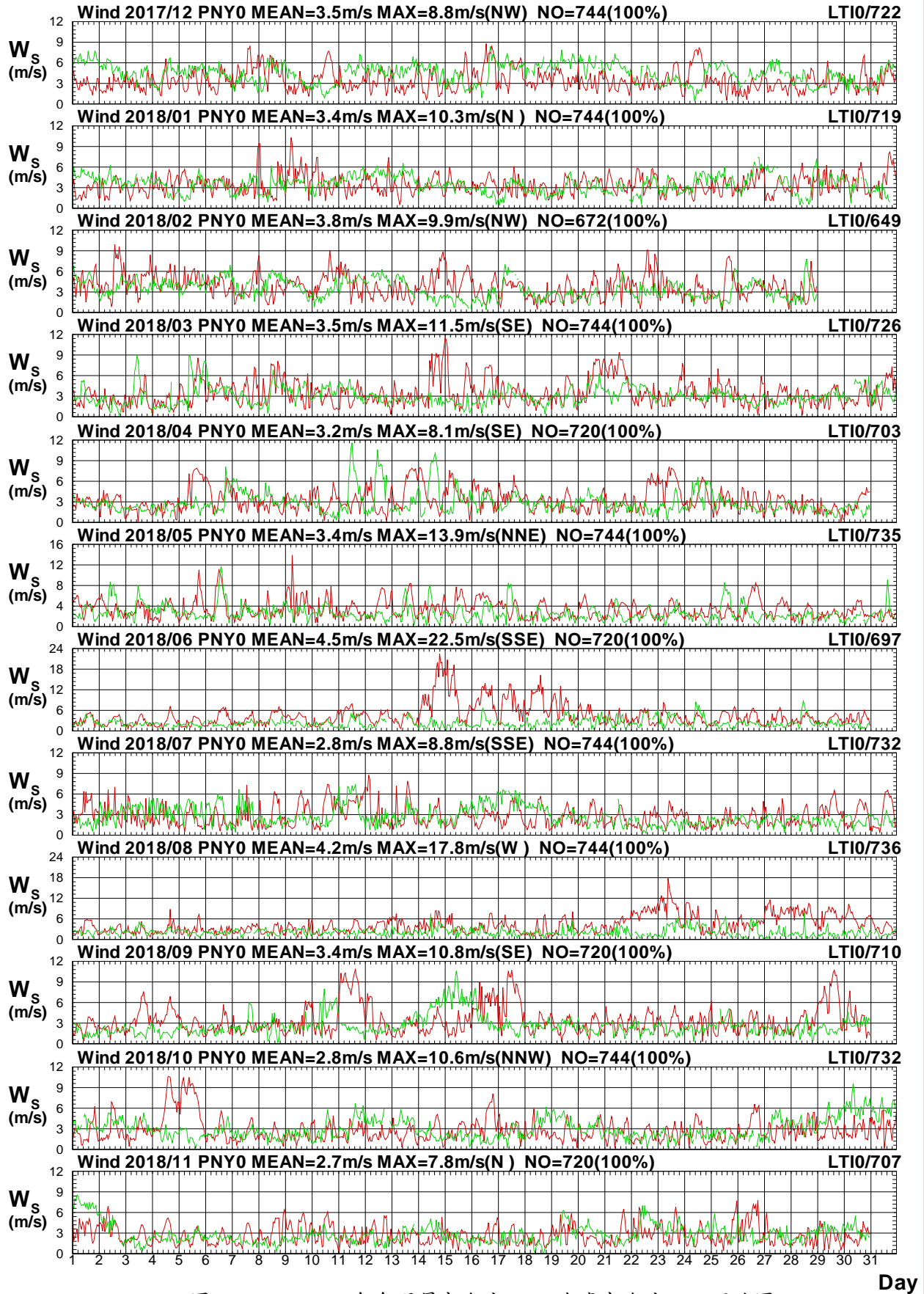


圖1.3.16a 2018年每月屏東海域 Y 站與臺東海域 I 站風速圖

W17CPNY0.1HA W17CLTI0.1H0 W181PNY0.1HA W181LTI0.1H0 W182PNY0.1HA W182LTI0.1H0
W183PNY0.1HA W183LTI0.1H0 W184PNY0.1HA W184LTI0.1H0 W185PNY0.1HA W185LTI0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

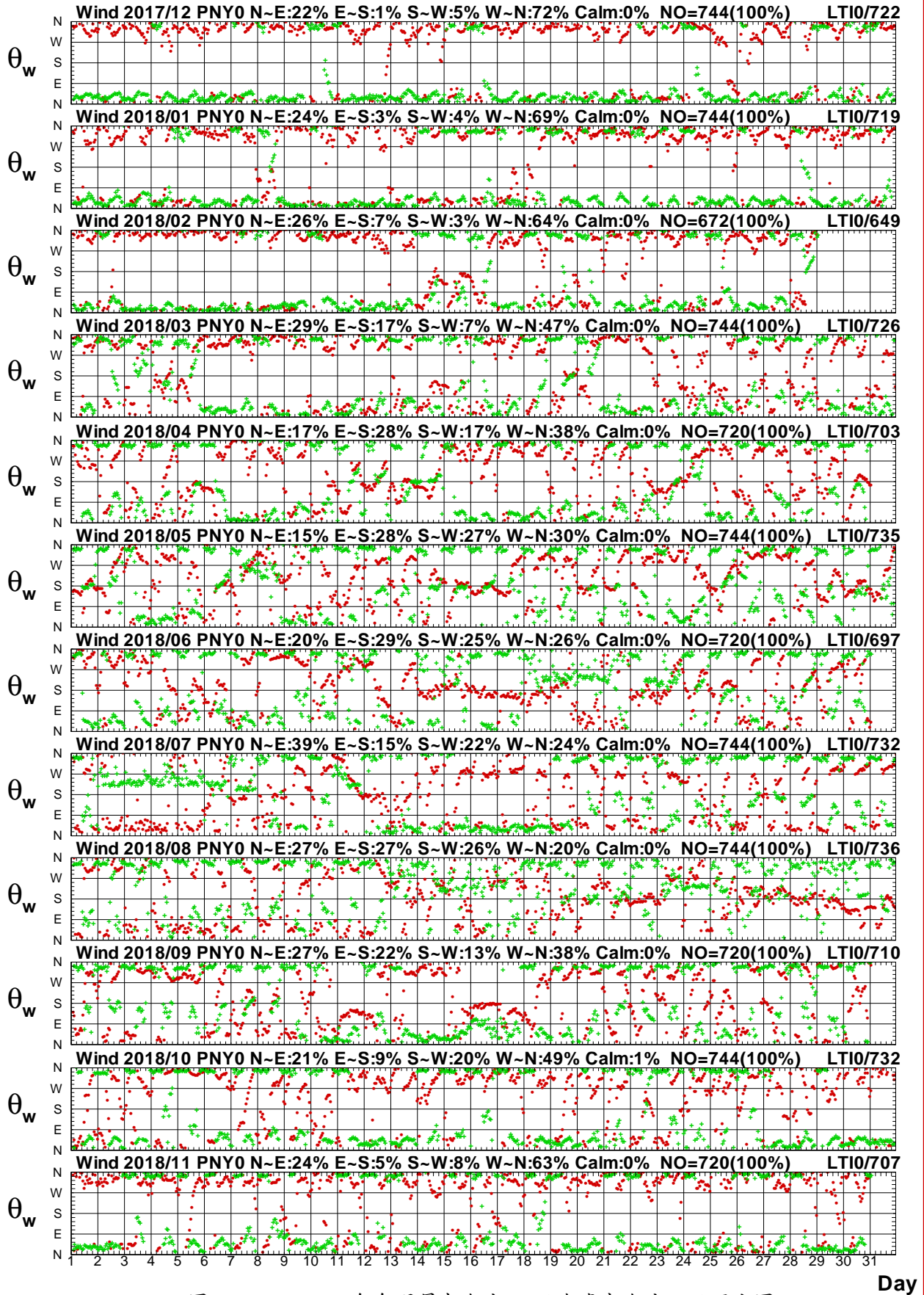


圖1.3.16b 2018年每月屏東海域 Y 站與臺東海域 I 站風向圖

W17CPNY0.1HA W17CLTI0.1H0 W181PNY0.1HA W181LTI0.1H0 W182PNY0.1HA W182LTI0.1H0
 W183PNY0.1HA W183LTI0.1H0 W184PNY0.1HA W184LTI0.1H0 W185PNY0.1HA W185LTI0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

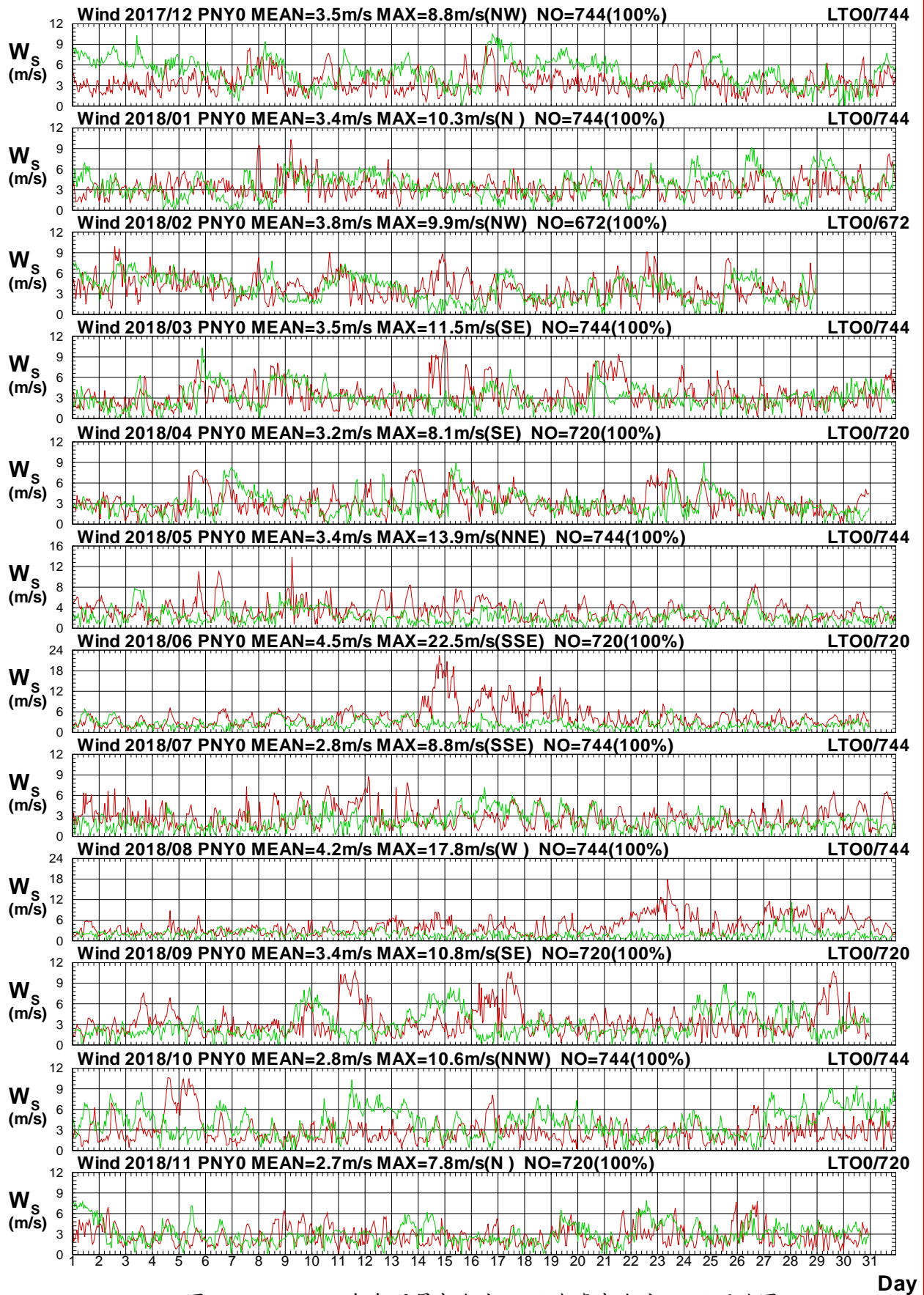


圖 1.3.17a 2018年每月屏東海域 Y 站與臺東海域 O 站風速圖

W17CPNY0.1HA W17CLTO0.1HO W181PNY0.1HA W181LTO0.1HO W182PNY0.1HA W182LTO0.1HO
 W183PNY0.1HA W183LTO0.1HO W184PNY0.1HA W184LTO0.1HO W185PNY0.1HA W185LTO0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

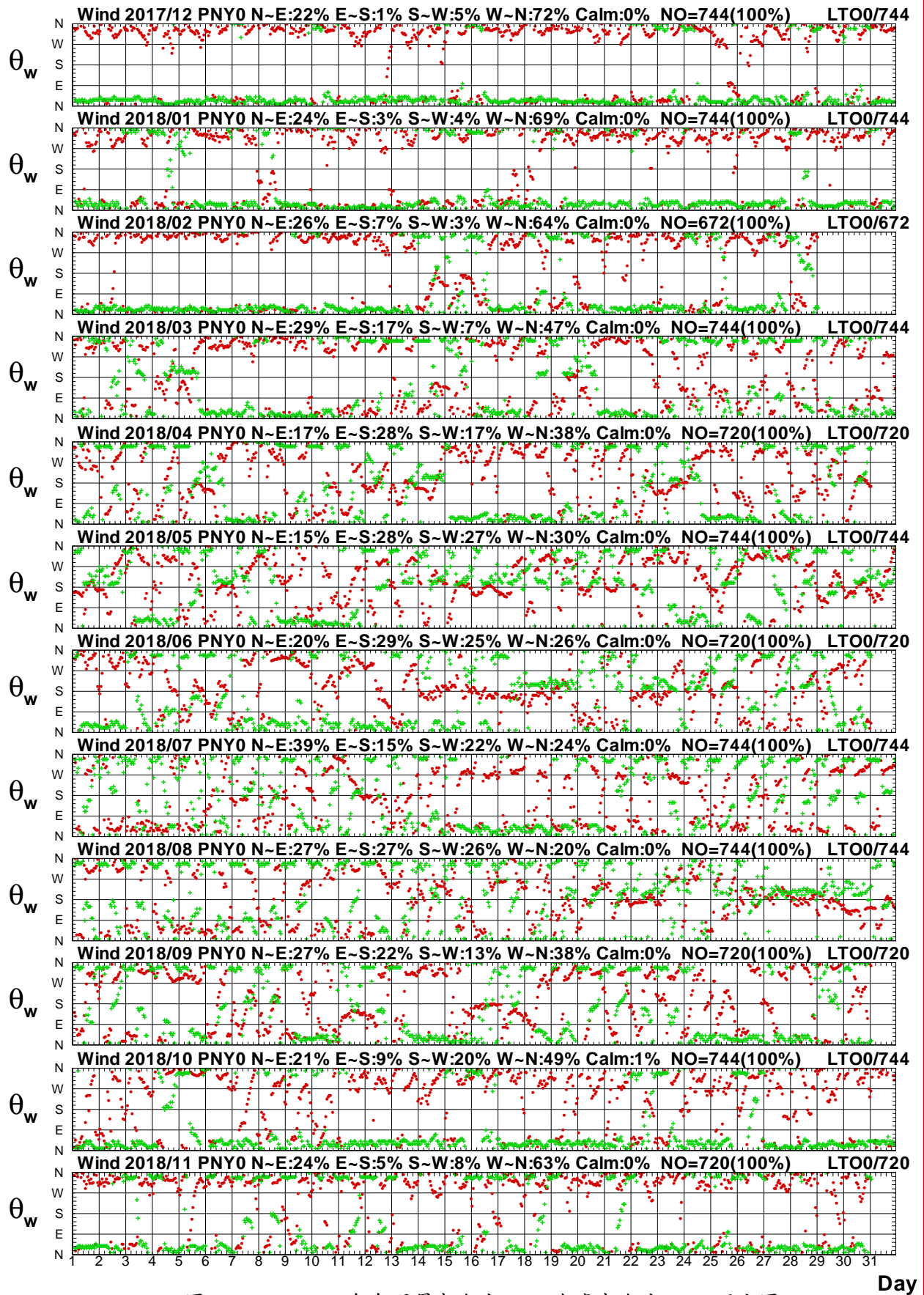


圖 1.3.17b 2018 年每月屏東海域 Y 站與臺東海域 O 站風向圖

W17CPNY0.1HA W17CLTO0.1HO W181PNY0.1HA W181LTO0.1HO W182PNY0.1HA W182LTO0.1HO
W183PNY0.1HA W183LTO0.1HO W184PNY0.1HA W184LTO0.1HO W185PNY0.1HA W185LTO0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

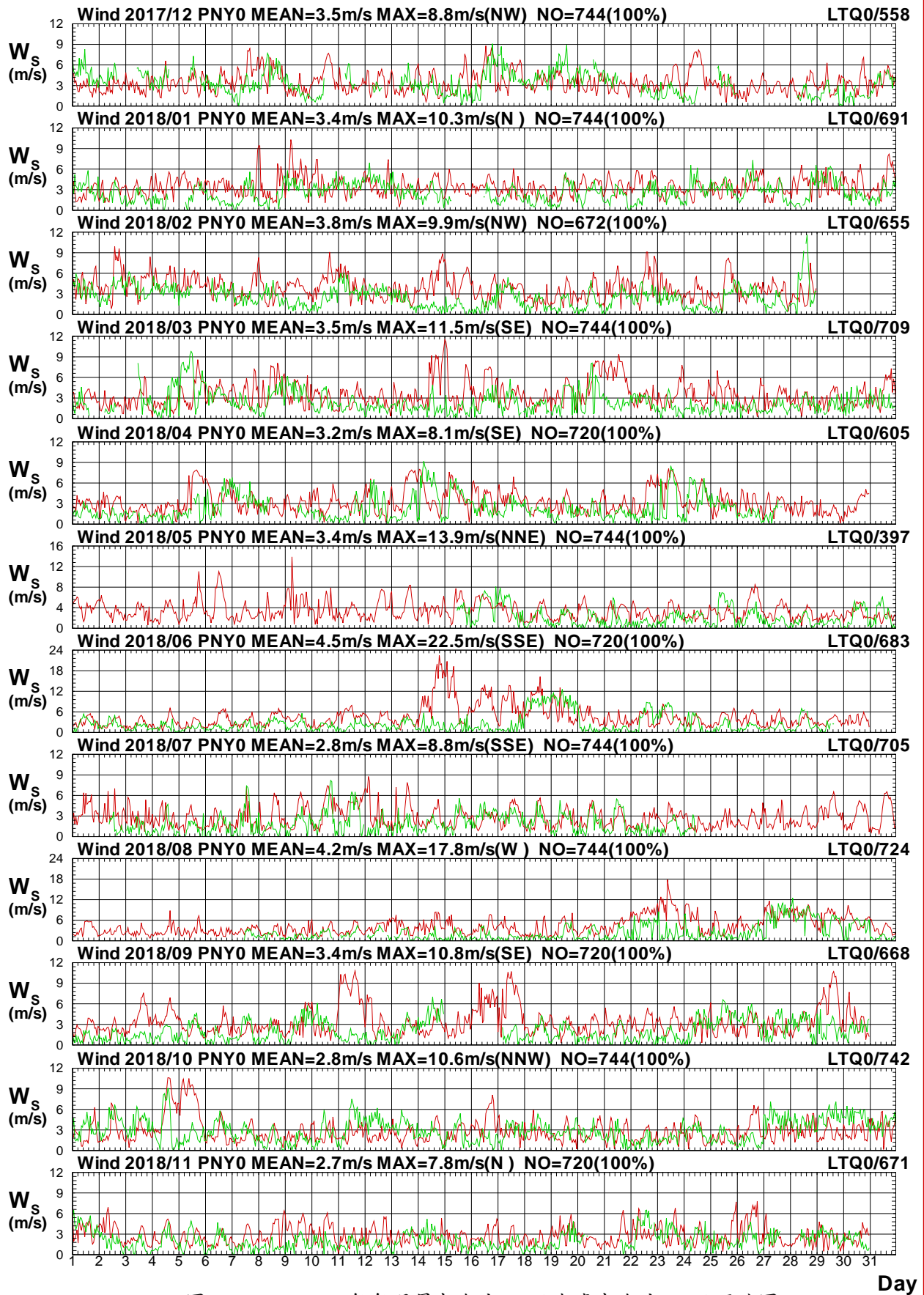


圖 1.3.18a 2018年每月屏東海域 Y 站與臺東海域 Q 站風速圖

W17CPNY0.1HA W17CLTQ0.1HO W181PNY0.1HA W181LTQ0.1HO W182PNY0.1HA W182LTQ0.1HO
 W183PNY0.1HA W183LTQ0.1HO W184PNY0.1HA W184LTQ0.1HO W185PNY0.1HA W185LTQ0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

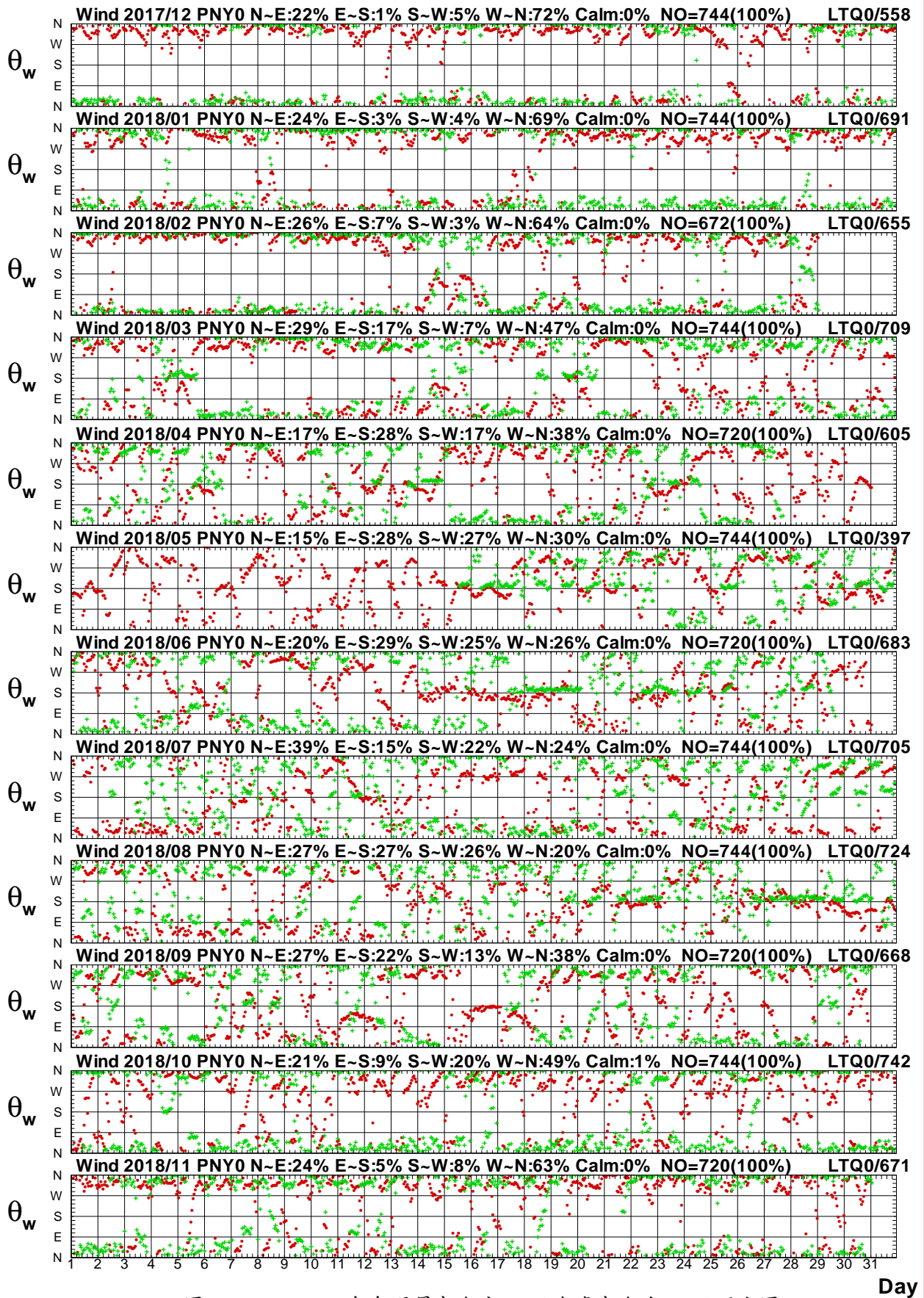


圖 1.3.18b 2018 年每月屏東海域 Y 站與臺東海域 Q 站風向圖

W17CPNY0.1HA W17CLTQ0.1HO W181PNY0.1HA W181LTQ0.1HO W182PNY0.1HA W182LTQ0.1HO
W183PNY0.1HA W183LTQ0.1HO W184PNY0.1HA W184LTQ0.1HO W185PNY0.1HA W185LTQ0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

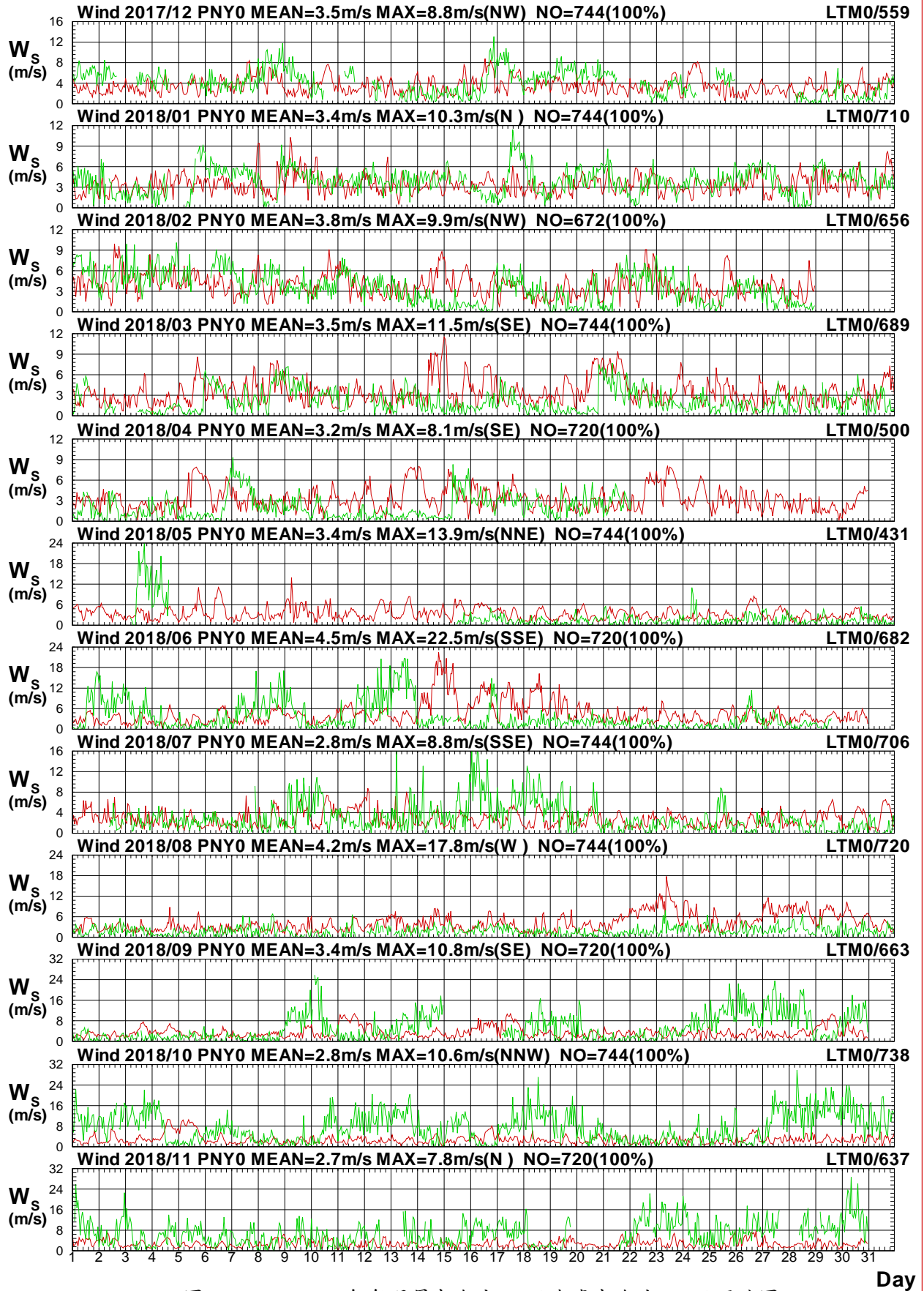


圖1.3.19a 2018年每月屏東海域 Y 站與臺東海域 M 站風速圖

W17CPNY0.1HA W17CLTM0.1HO W181PNY0.1HA W181LTM0.1HO W182PNY0.1HA W182LTM0.1HO
 W183PNY0.1HA W183LTM0.1HO W184PNY0.1HA W184LTM0.1HO W185PNY0.1HA W185LTM0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

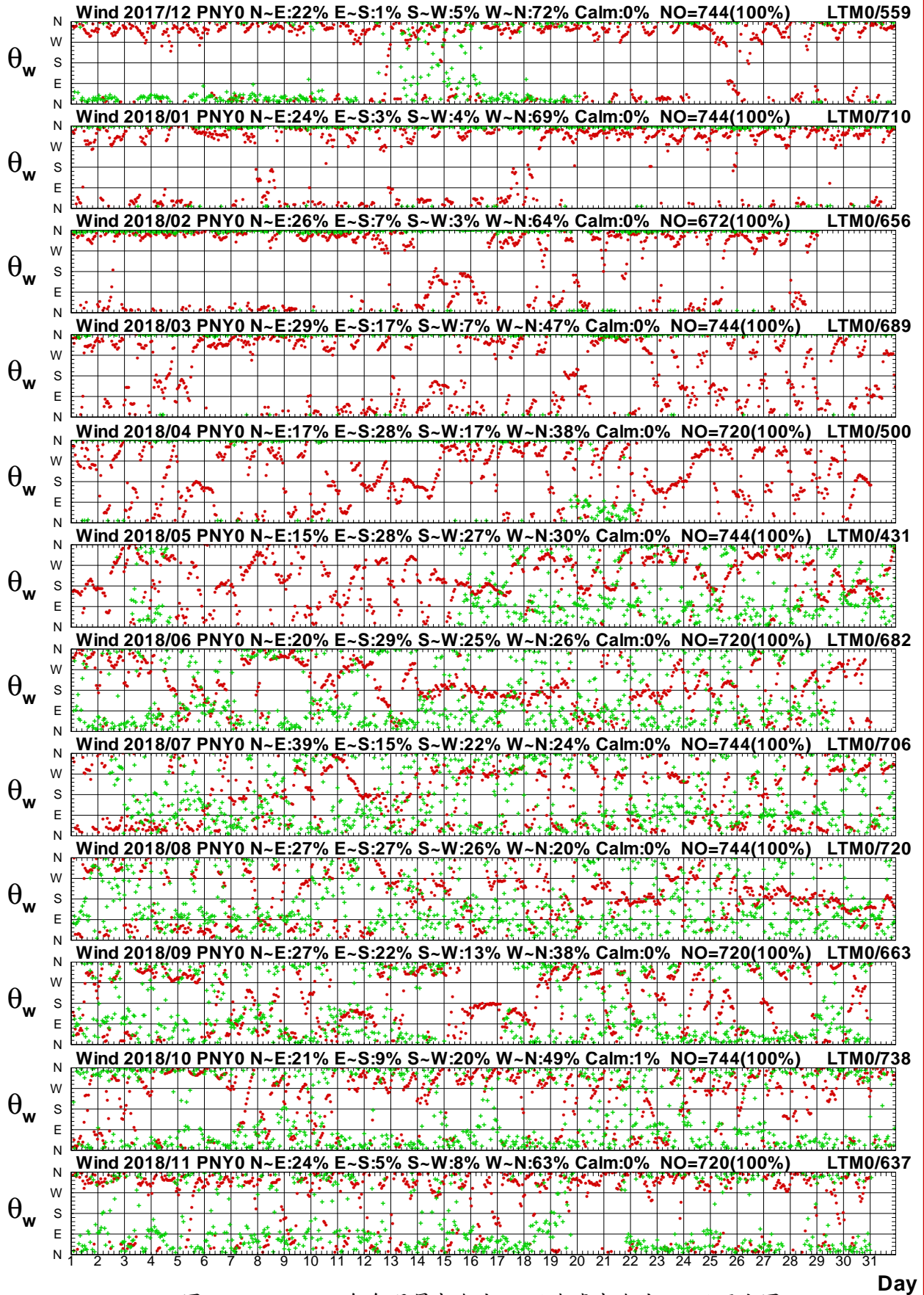


圖1.3.19b 2018年每月屏東海域 Y 站與臺東海域 M 站風向圖

W17CPNY0.1HA W17CLTM0.1HO W181PNY0.1HA W181LTM0.1HO W182PNY0.1HA W182LTM0.1HO
 W183PNY0.1HA W183LTM0.1HO W184PNY0.1HA W184LTM0.1HO W185PNY0.1HA W185LTM0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

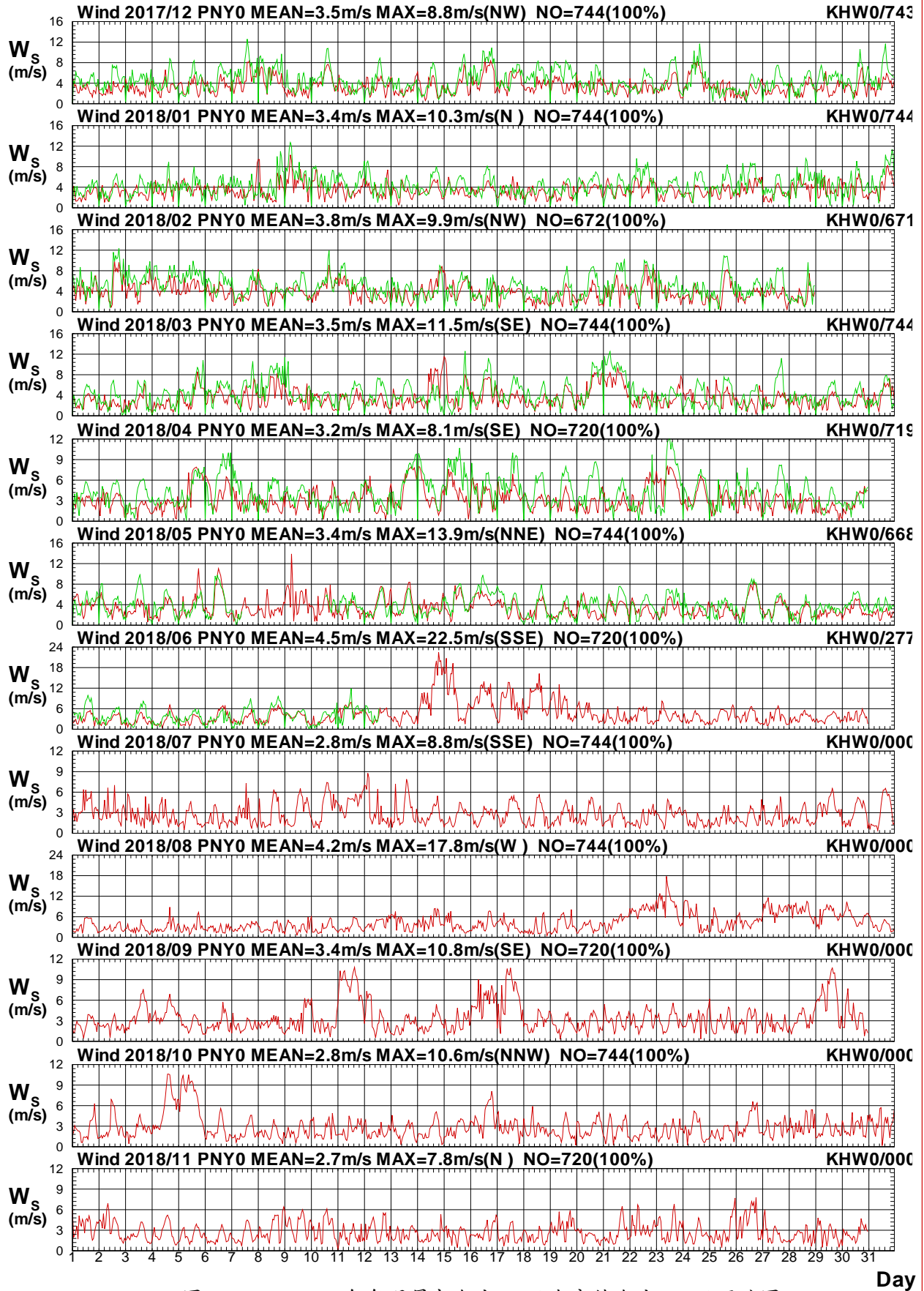


圖 1.3.20a 2018年每月屏東海域 Y 站與高雄海域 W 站風速圖

W17CPNY0.1HA W17CKHW0.1HO W181PNY0.1HA W181KHW0.1HO W182PNY0.1HA W182KHW0.1HO
 W183PNY0.1HA W183KHW0.1HO W184PNY0.1HA W184KHW0.1HO W185PNY0.1HA W185KHW0.1HO Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

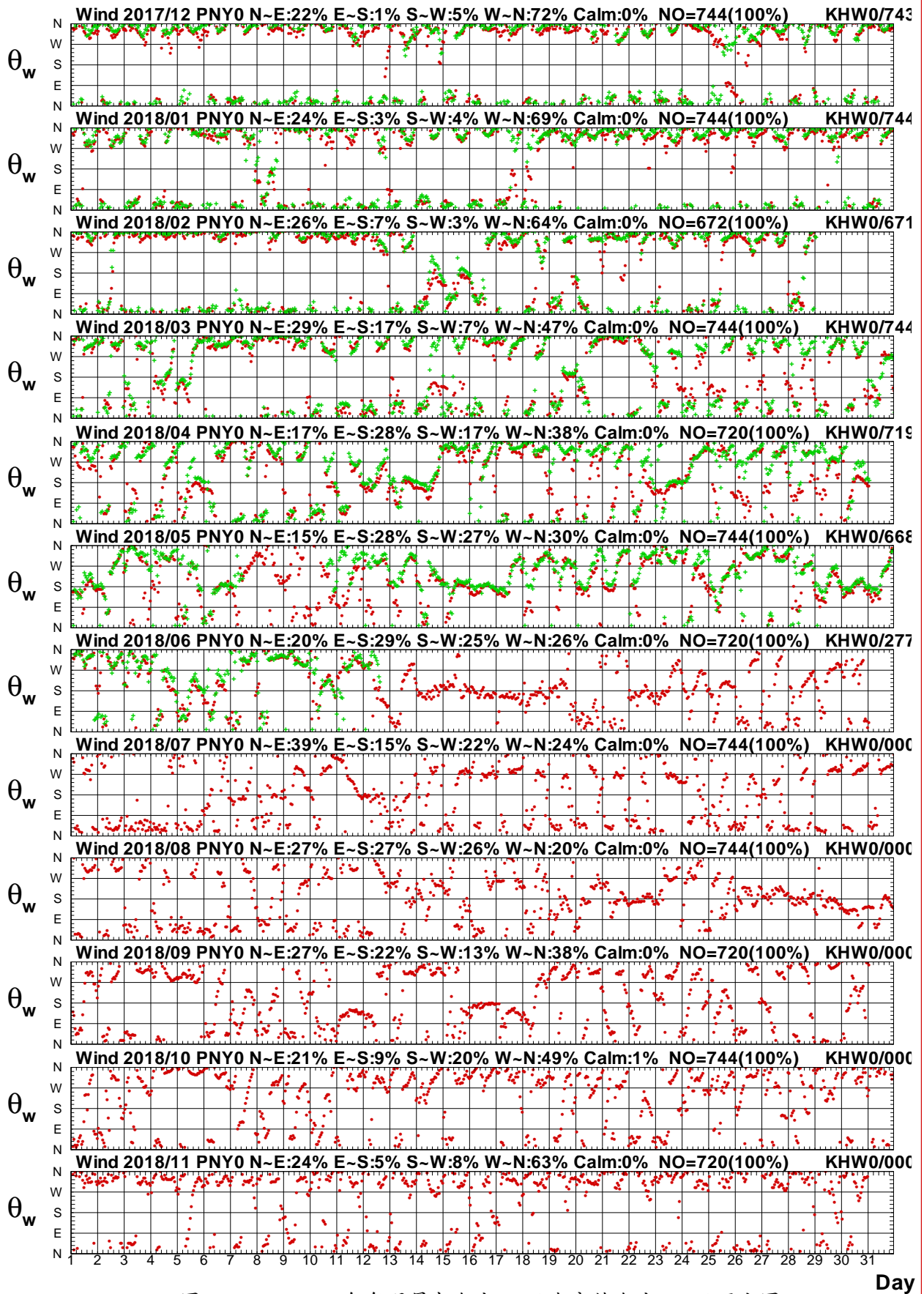


圖 1.3.20b 2018年每月屏東海域 Y 站與高雄海域 W 站風向圖

W17CPNY0.1HA W17CKHW0.1HO W181PNY0.1HA W181KHW0.1HO W182PNY0.1HA W182KHW0.1HO
 W183PNY0.1HA W183KHW0.1HO W184PNY0.1HA W184KHW0.1HO W185PNY0.1HA W185KHW0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

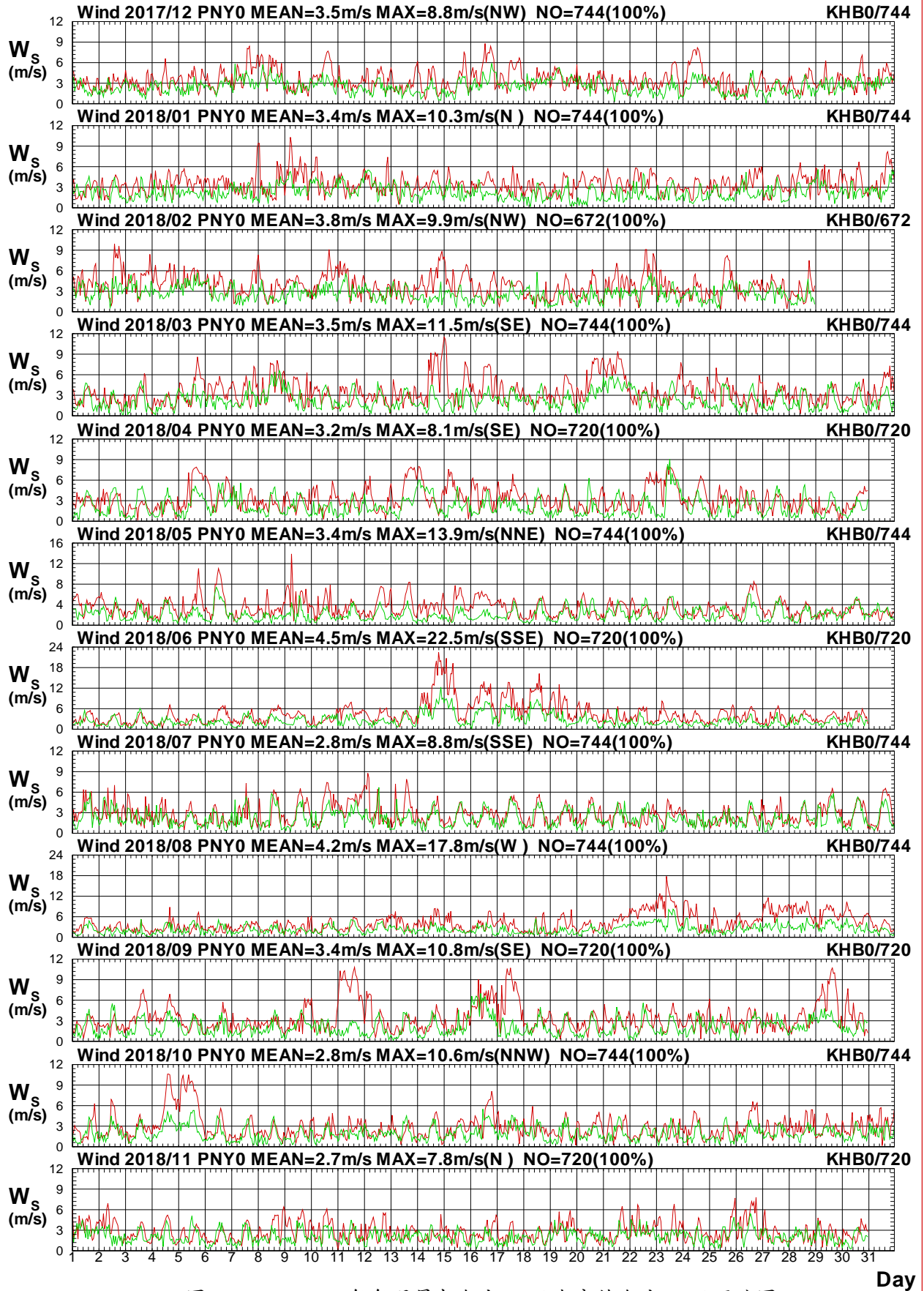


圖1.3.21a 2018年每月屏東海域 Y 站與高雄海域 B 站風速圖

W17CPNY0.1HA W17CKHB0.1HO W181PNY0.1HA W181KHB0.1HO W182PNY0.1HA W182KHB0.1HO
 W183PNY0.1HA W183KHB0.1HO W184PNY0.1HA W184KHB0.1HO W185PNY0.1HA W185KHB0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

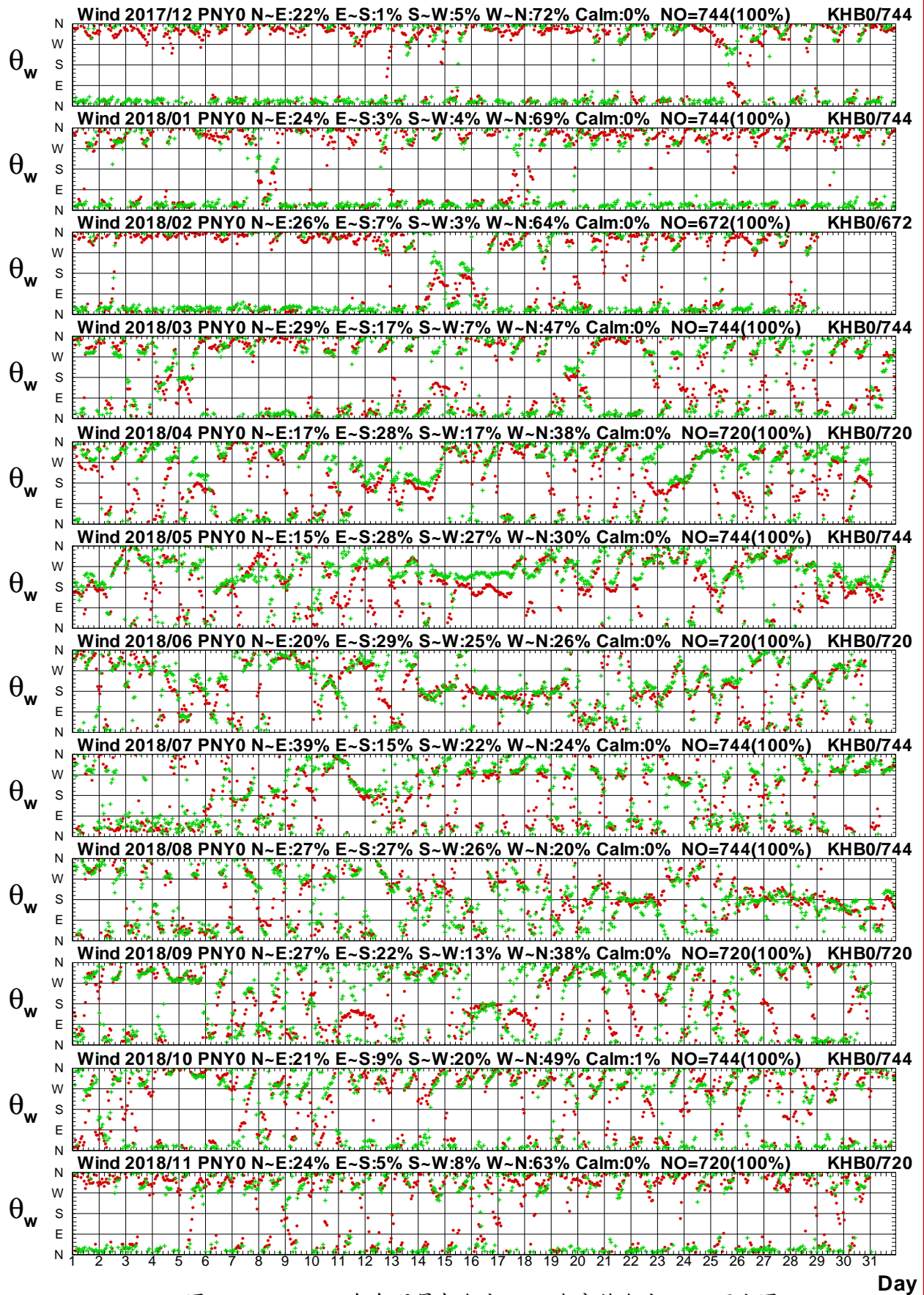


圖1.3.21b 2018年每月屏東海域 Y 站與高雄海域 B 站風向圖

W17CPNY0.1HA W17CKHB0.1HO W181PNY0.1HA W181KHB0.1HO W182PNY0.1HA W182KHB0.1HO
 W183PNY0.1HA W183KHB0.1HO W184PNY0.1HA W184KHB0.1HO W185PNY0.1HA W185KHB0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

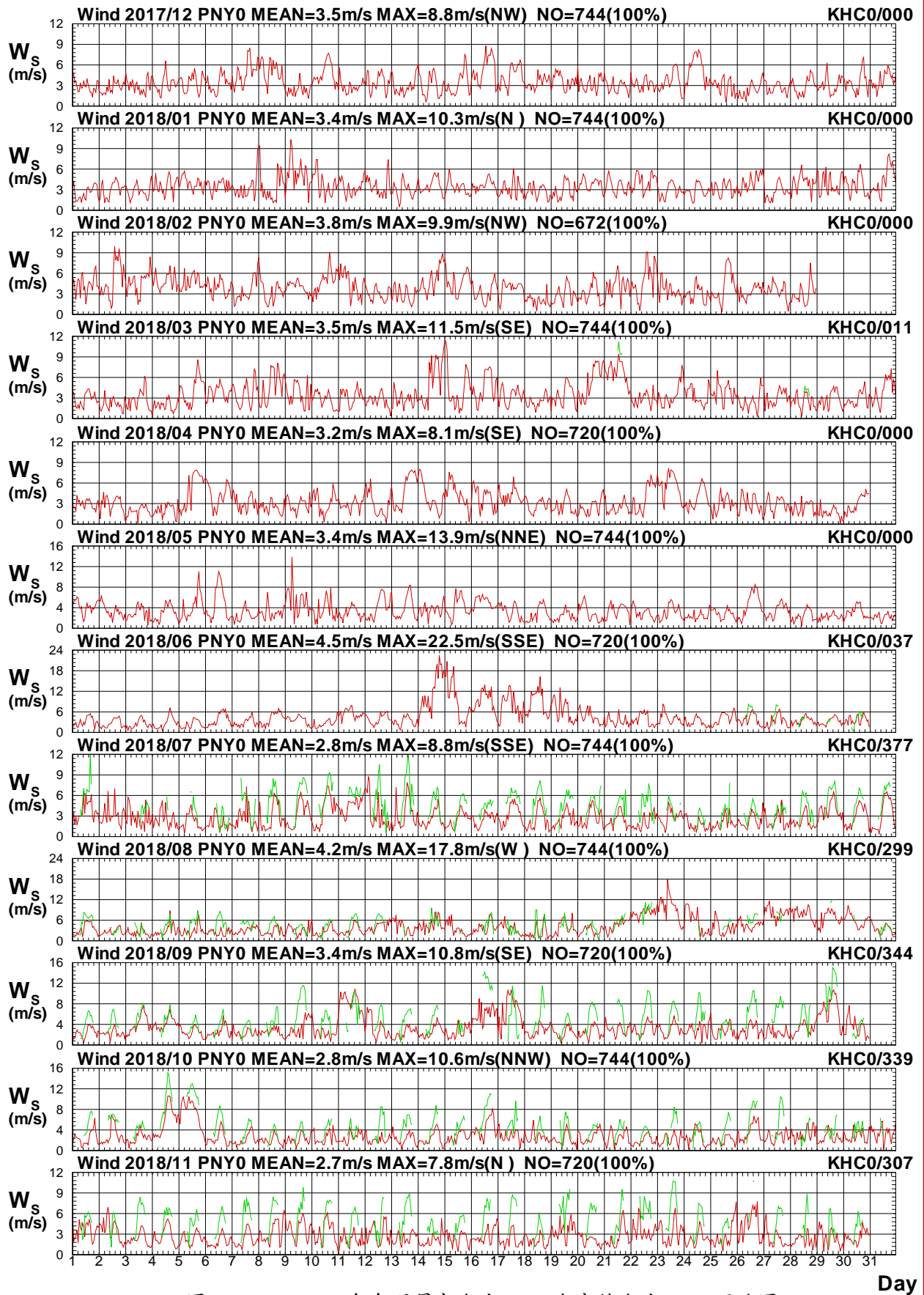


圖1.3.22a 2018年每月屏東海域 Y 站與高雄海域 C 站風速圖

W17CPNY0.1HA W17CKHC0.1HO W181PNY0.1HA W181KHC0.1HO W182PNY0.1HA W182KHC0.1HO
W183PNY0.1HA W183KHC0.1HO W184PNY0.1HA W184KHC0.1HO W185PNY0.1HA W185KHC0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

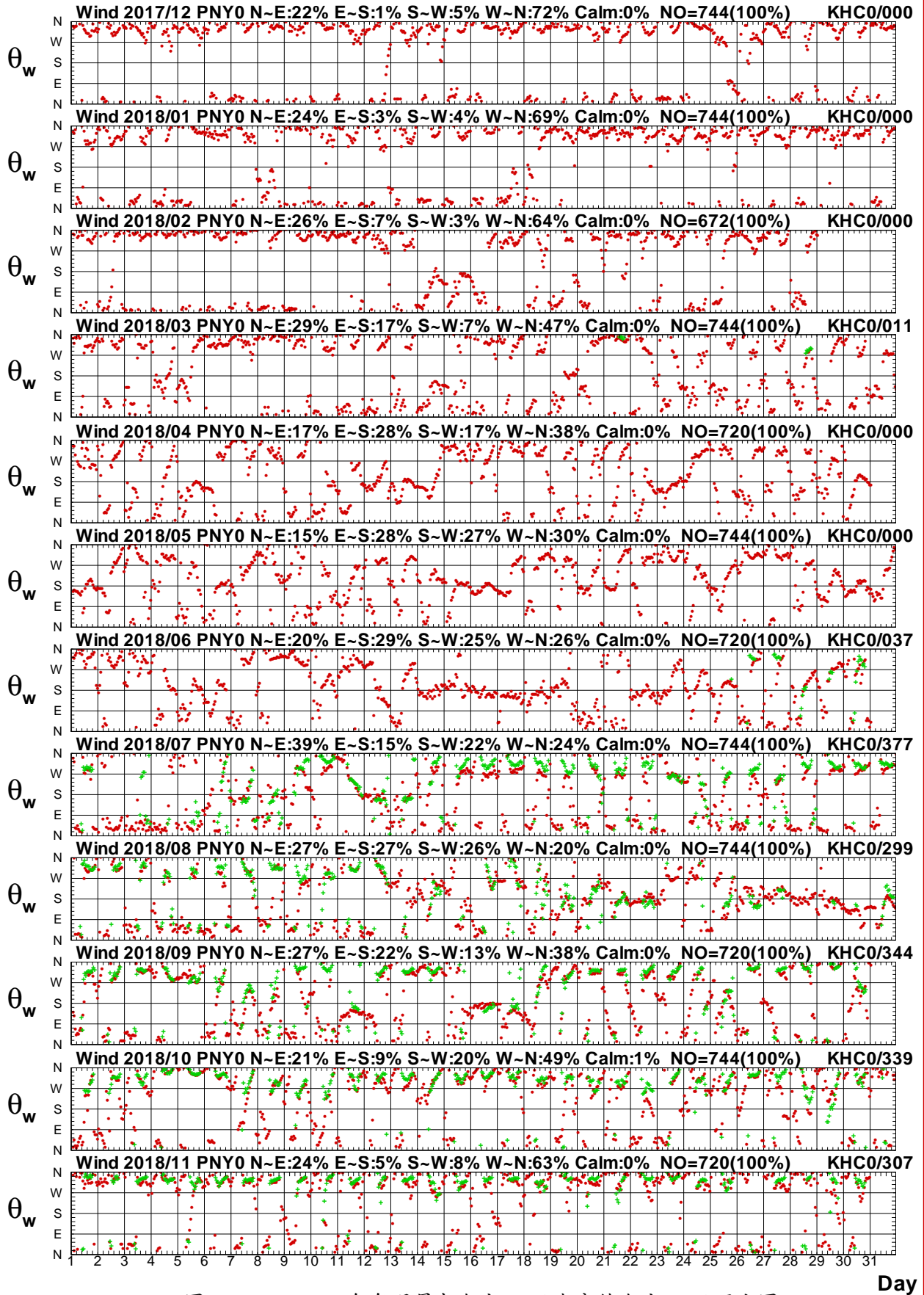


圖 1.3.22b 2018 年每月屏東海域 Y 站與高雄海域 C 站風向圖

W17CPNY0.1HA W17CKHC0.1HO W181PNY0.1HA W181KHC0.1HO W182PNY0.1HA W182KHC0.1HO
 W183PNY0.1HA W183KHC0.1HO W184PNY0.1HA W184KHC0.1HO W185PNY0.1HA W185KHC0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

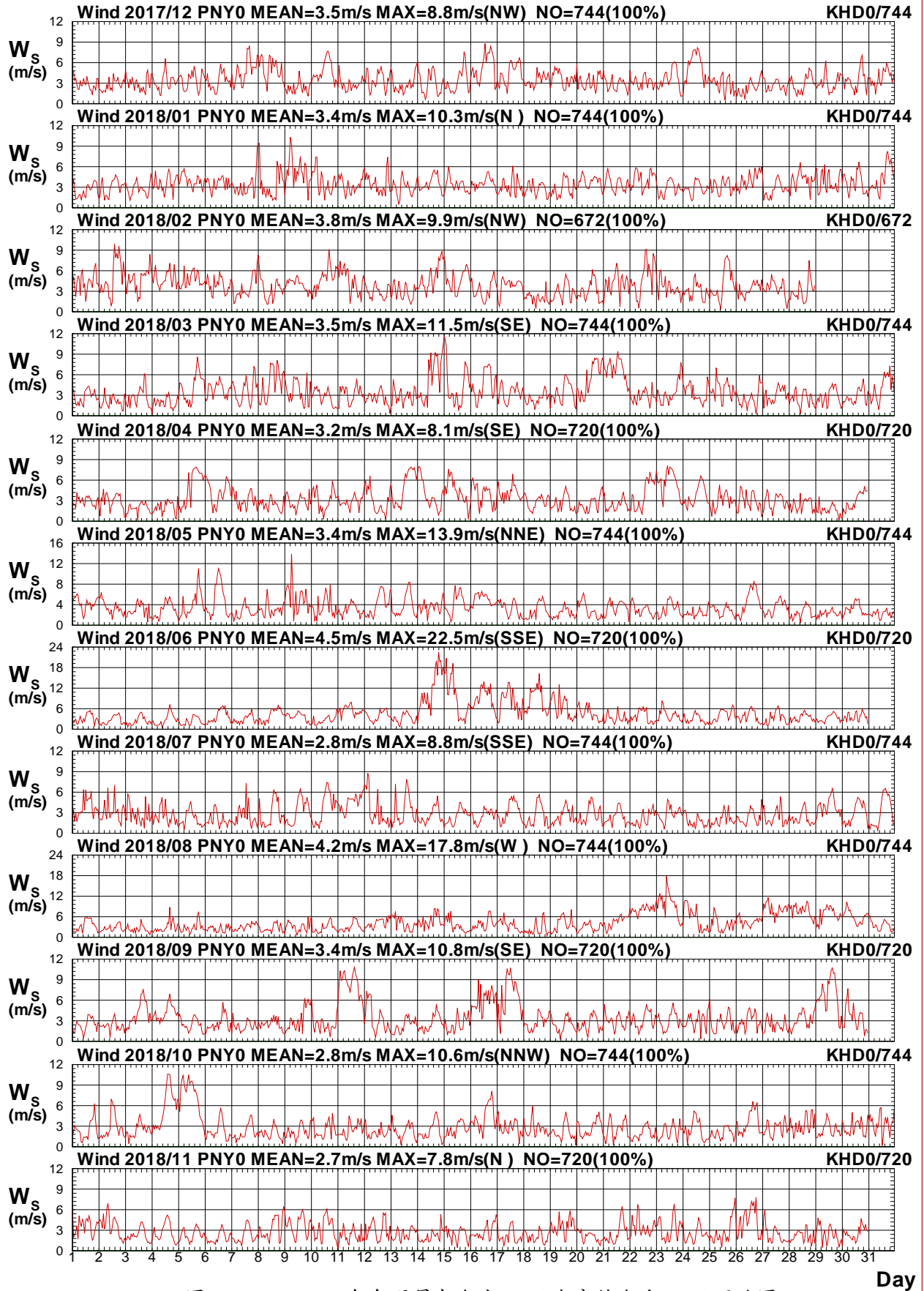


圖 1.3.23a 2018年每月屏東海域 Y 站與高雄海域 D 站風速圖

W17CPNY0.1HA W17CKHD0.1HO W181PNY0.1HA W181KHD0.1HO W182PNY0.1HA W182KHD0.1HO
 W183PNY0.1HA W183KHD0.1HO W184PNY0.1HA W184KHD0.1HO W185PNY0.1HA W185KHD0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

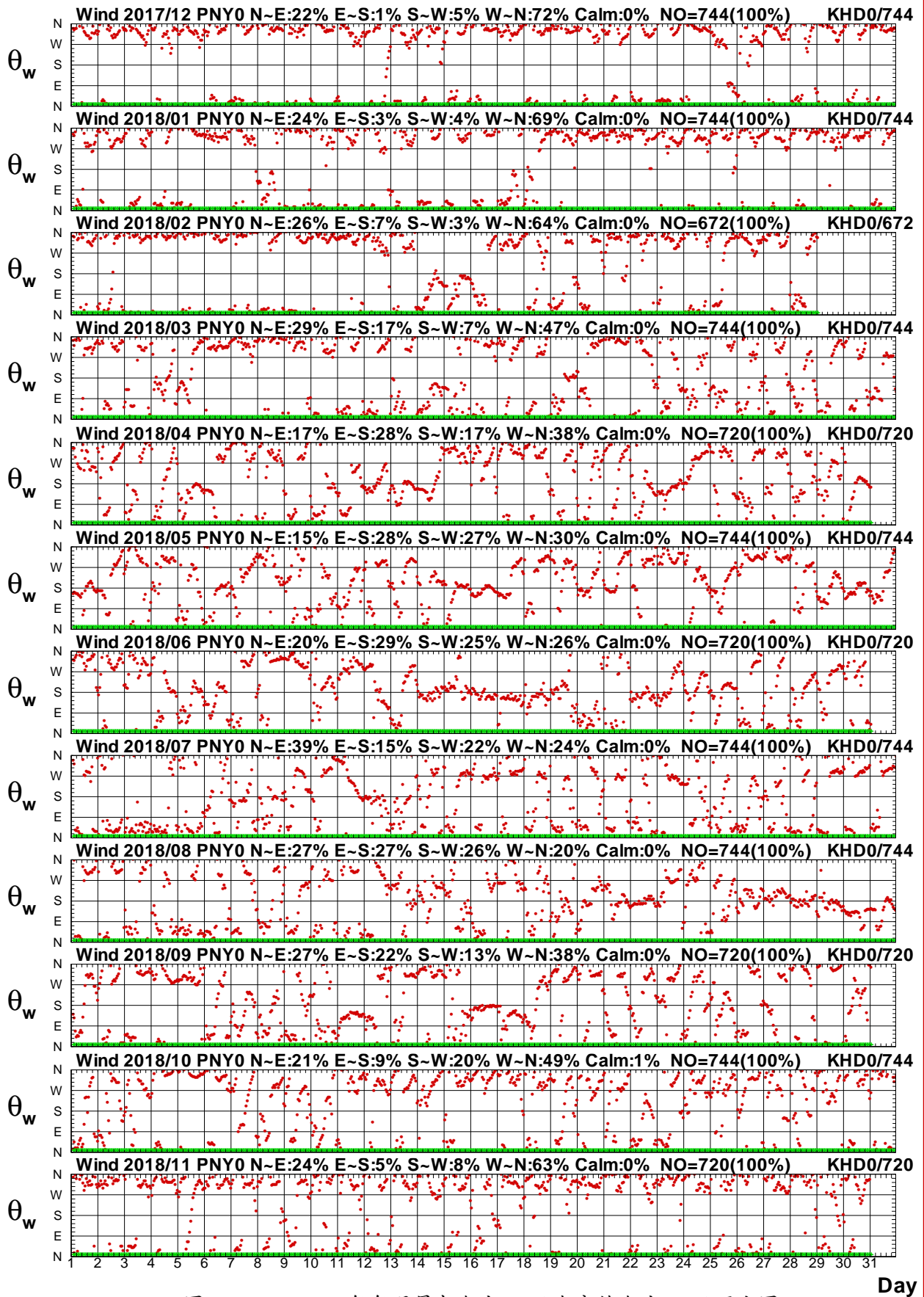


圖 1.3.23b 2018 年每月屏東海域 Y 站與高雄海域 D 站風向圖

W17CPNY0.1HA W17CKHD0.1HO W181PNY0.1HA W181KHD0.1HO W182PNY0.1HA W182KHD0.1HO
 W183PNY0.1HA W183KHD0.1HO W184PNY0.1HA W184KHD0.1HO W185PNY0.1HA W185KHD0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

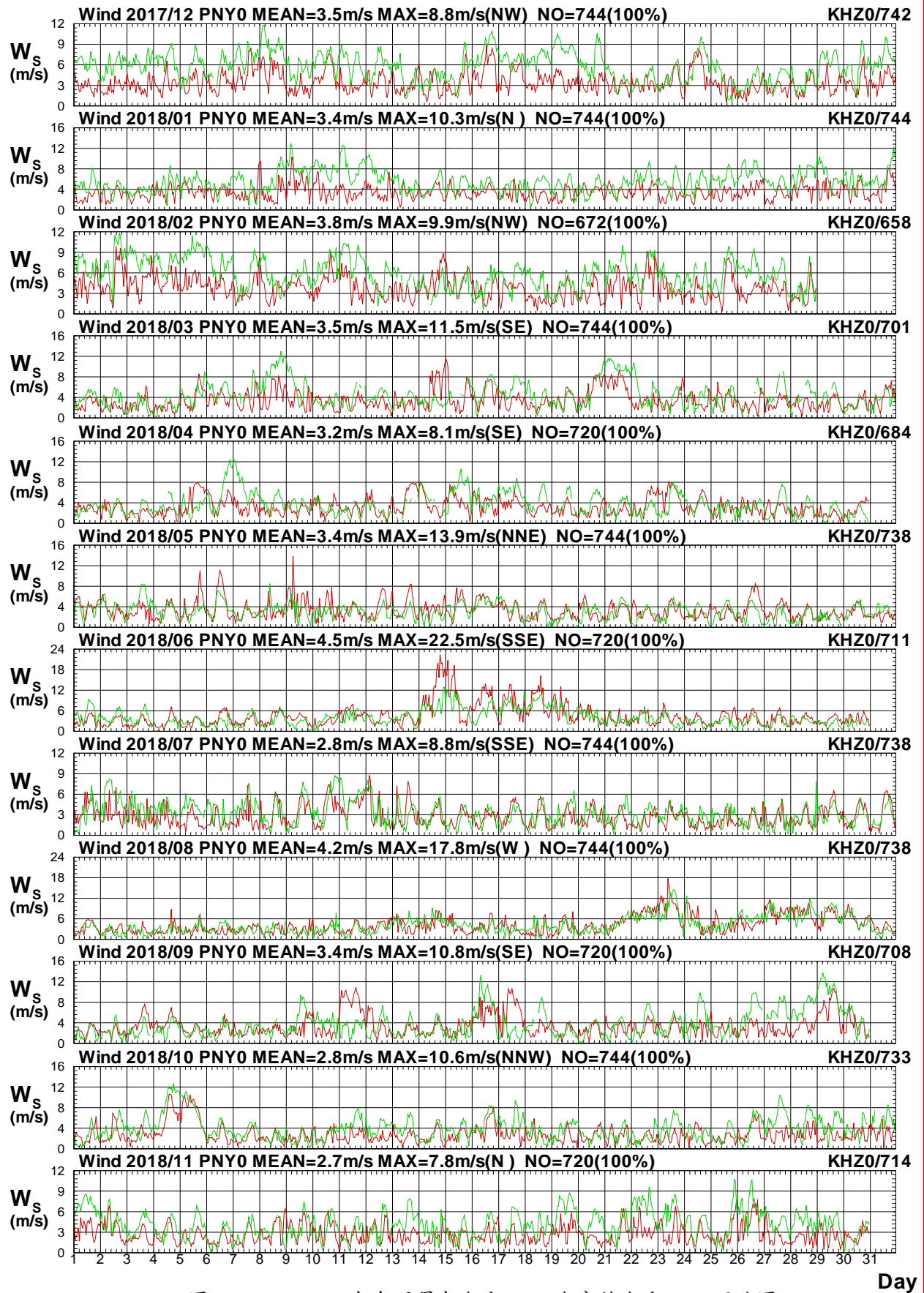


圖 1.3.24a 2018年每月屏東海域 Y 站與高雄海域 Z 站風速圖

W17CPNY0.1HA W17CKHZ0.1HO W181PNY0.1HA W181KHZ0.1HO W182PNY0.1HA W182KHZ0.1HO
 W183PNY0.1HA W183KHZ0.1HO W184PNY0.1HA W184KHZ0.1HO W185PNY0.1HA W185KHZ0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

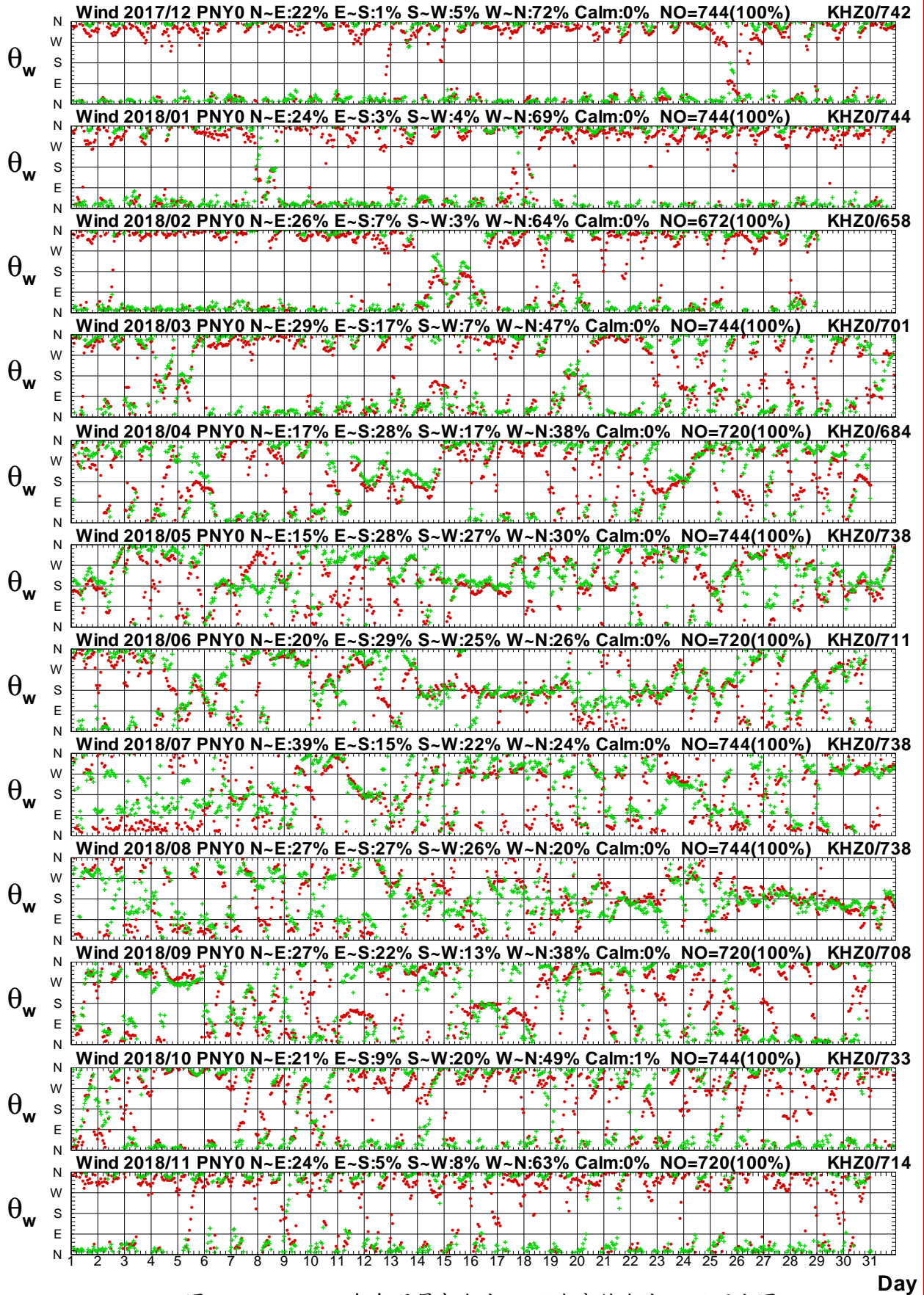


圖1.3.24b 2018年每月屏東海域 Y 站與高雄海域 Z 站風向圖

W17CPNY0.1HA W17CKHZ0.1HO W181PNY0.1HA W181KHZ0.1HO W182PNY0.1HA W182KHZ0.1HO
 W183PNY0.1HA W183KHZ0.1HO W184PNY0.1HA W184KHZ0.1HO W185PNY0.1HA W185KHZ0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

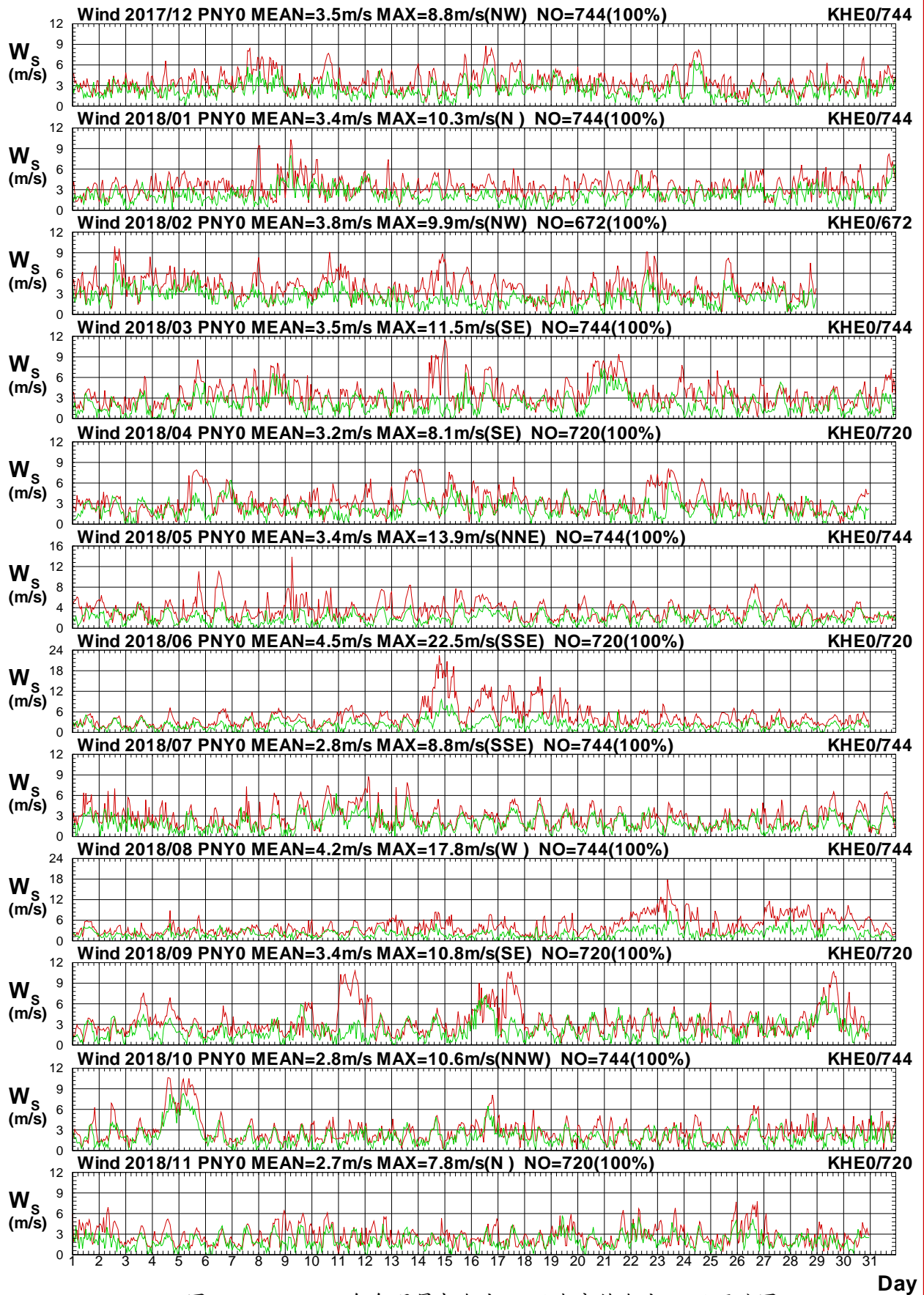


圖 1.3.25a 2018年每月屏東海域 Y 站與高雄海域 E 站風速圖

W17CPNY0.1HA W17CKHE0.1HO W181PNY0.1HA W181KHE0.1HO W182PNY0.1HA W182KHE0.1HO
 W183PNY0.1HA W183KHE0.1HO W184PNY0.1HA W184KHE0.1HO W185PNY0.1HA W185KHE0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

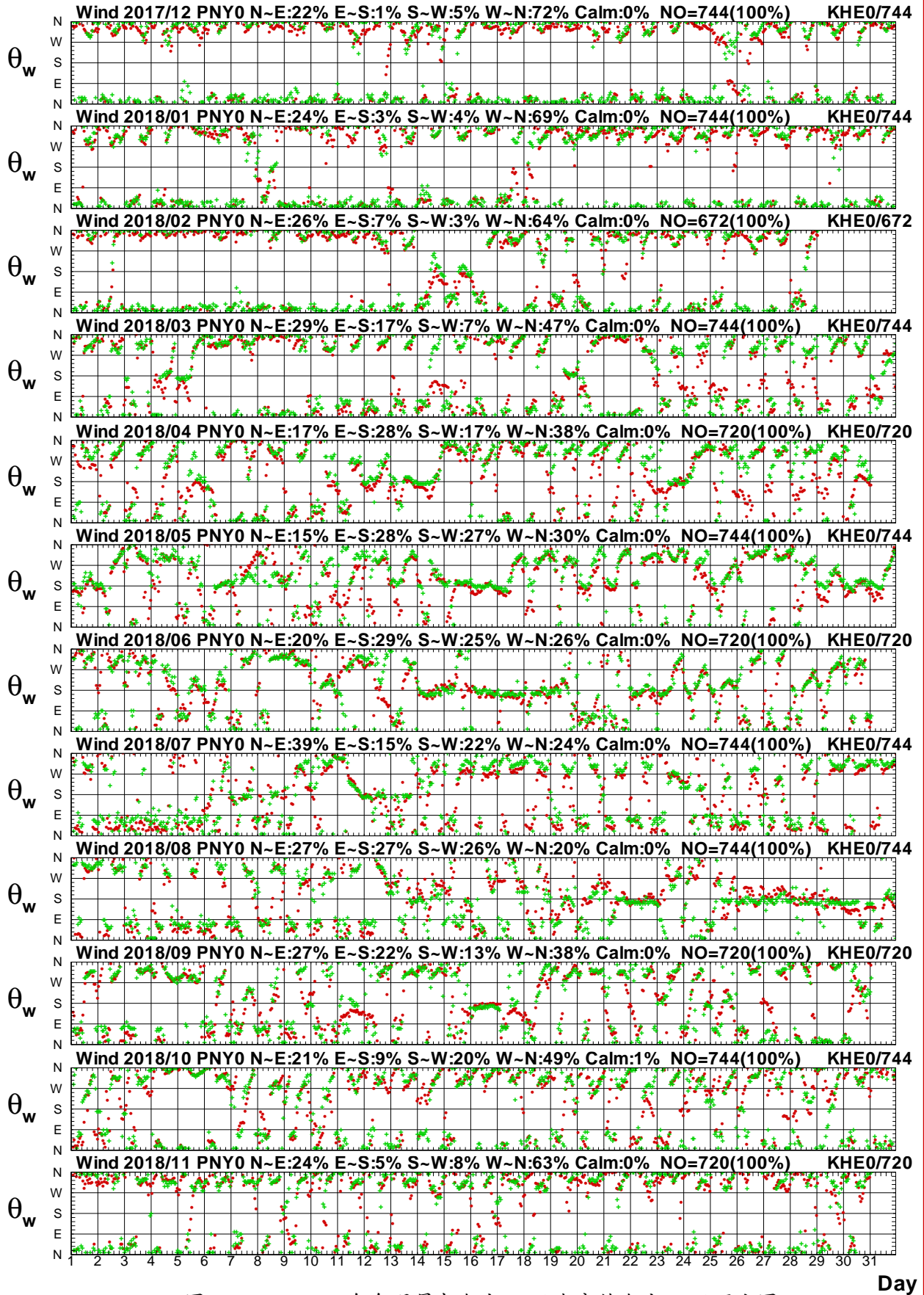


圖1.3.25b 2018年每月屏東海域 Y 站與高雄海域 E 站風向圖

W17CPNY0.1HA W17CKHE0.1HO W181PNY0.1HA W181KHE0.1HO W182PNY0.1HA W182KHE0.1HO
 W183PNY0.1HA W183KHE0.1HO W184PNY0.1HA W184KHE0.1HO W185PNY0.1HA W185KHE0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNY0 at 2018

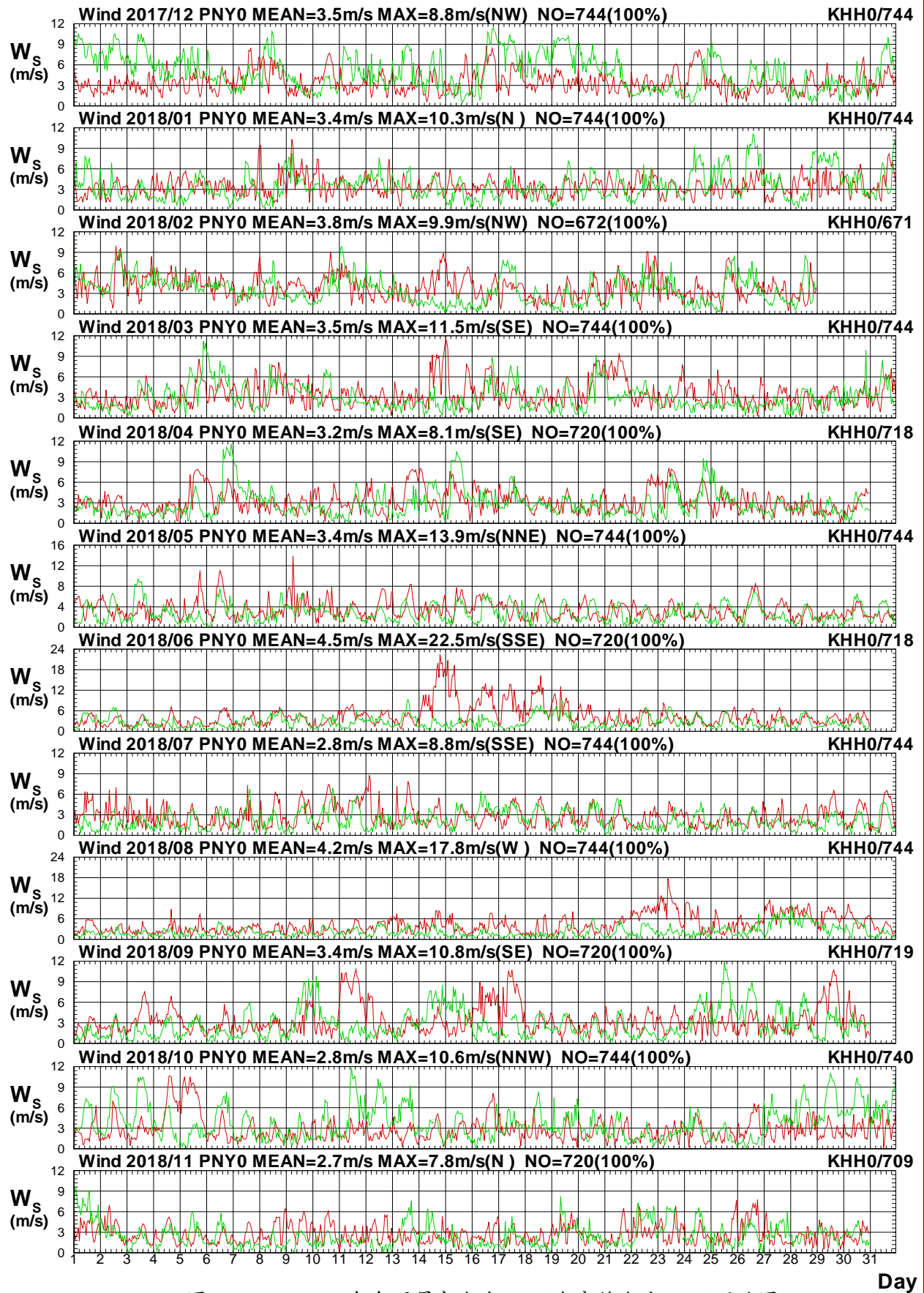


圖 1.3.26a 2018 年每月屏東海域 Y 站與高雄海域 H 站風速圖

W17CPNY0.1HA W17CKHH0.1HO W181PNY0.1HA W181KHH0.1HO W182PNY0.1HA W182KHH0.1HO
 W183PNY0.1HA W183KHH0.1HO W184PNY0.1HA W184KHH0.1HO W185PNY0.1HA W185KHH0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNY0 at 2018

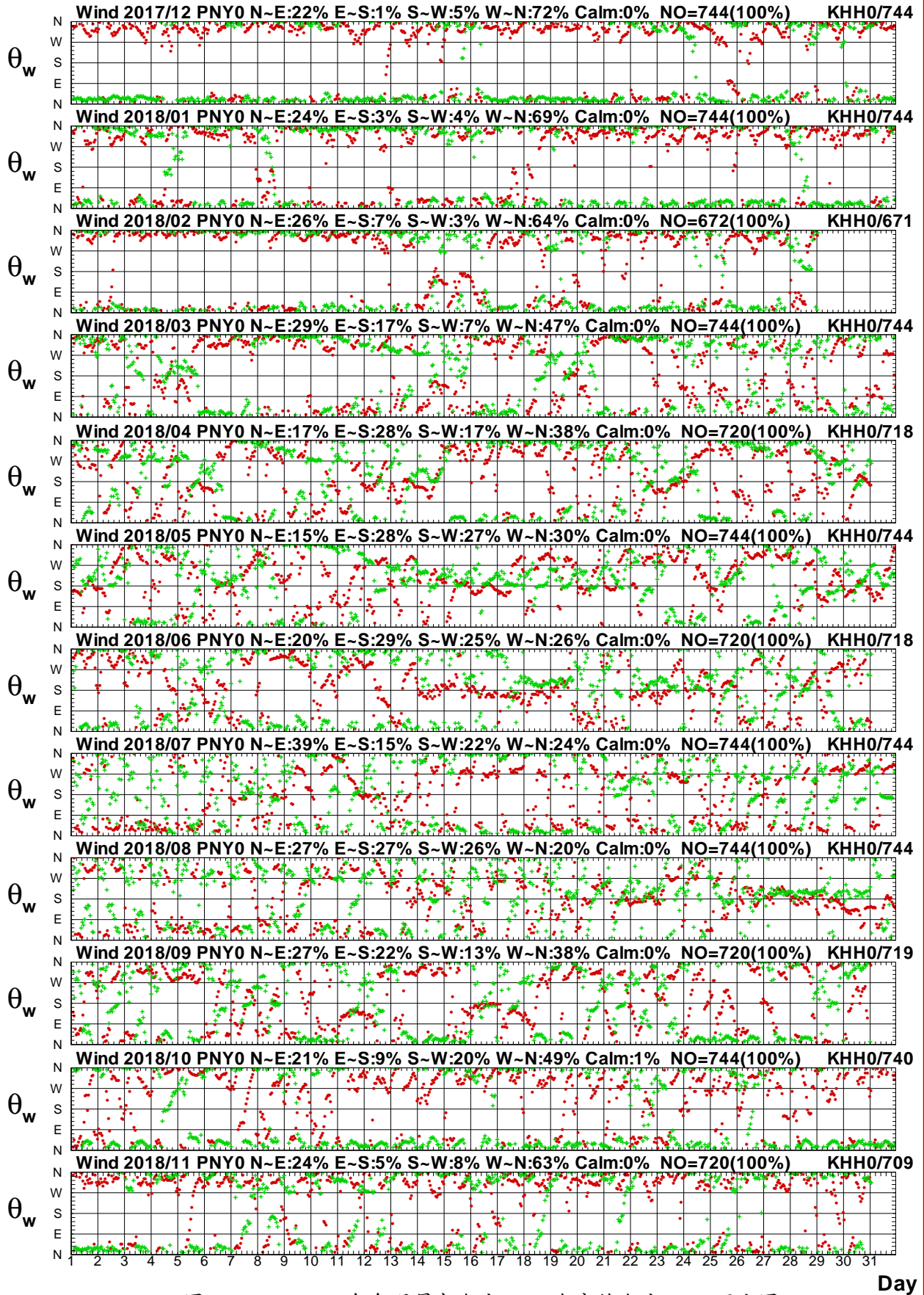


圖 1.3.26b 2018 年每月屏東海域 Y 站與高雄海域 H 站風向圖

W17CPNY0.1HA W17CKHH0.1HO W181PNY0.1HA W181KHH0.1HO W182PNY0.1HA W182KHH0.1HO
 W183PNY0.1HA W183KHH0.1HO W184PNY0.1HA W184KHH0.1HO W185PNY0.1HA W185KHH0.1HO

Institute of Harbor & Marine Technology

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

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

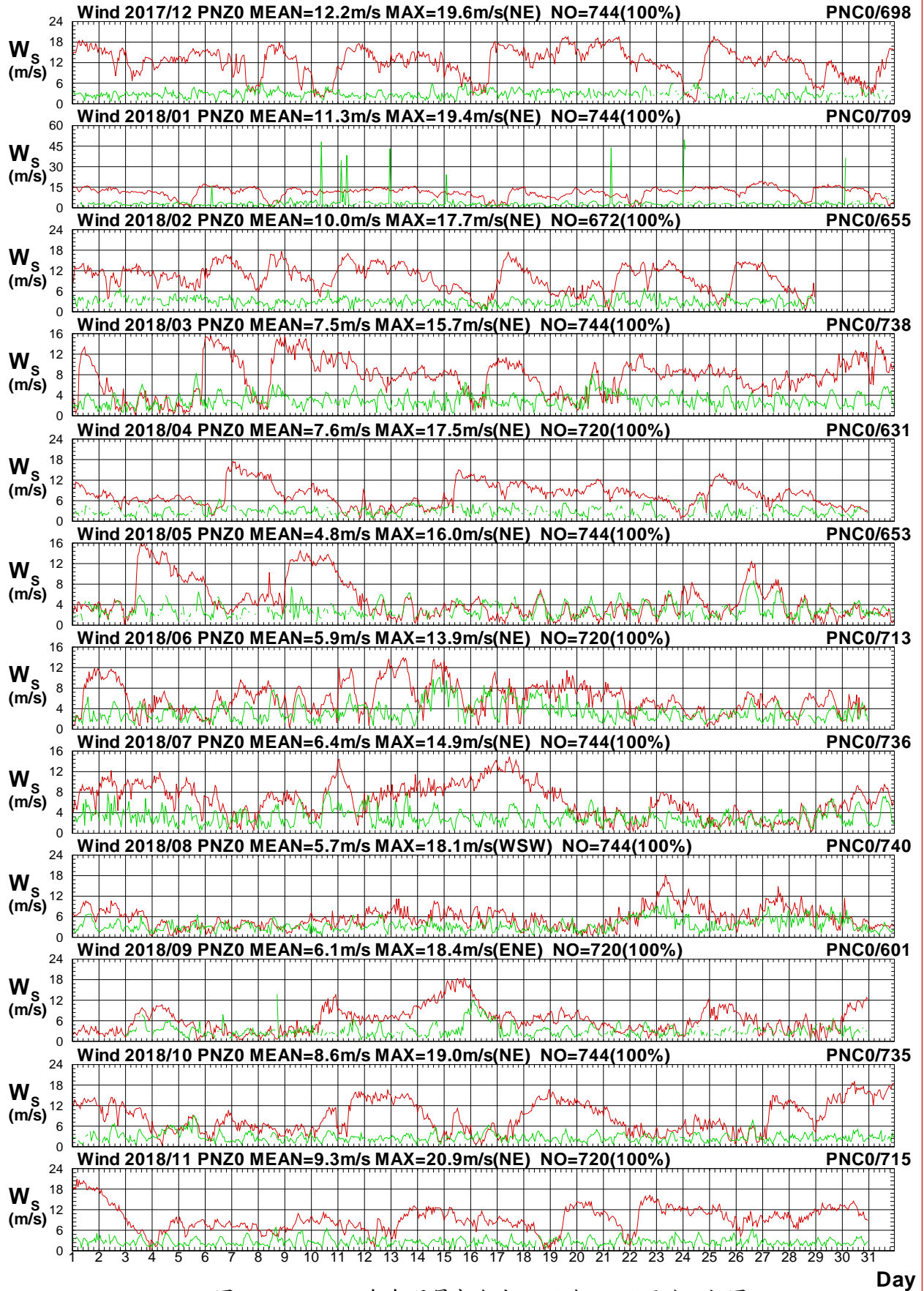


圖1.4.1a 2018年每月屏東海域 Z 站與 C 站風速比較圖

W17CPNZ0.1HA W17CPNC0.1HO W181PNZ0.1HA W181PNC0.1HO W182PNZ0.1HA W182PNC0.1HO
 W183PNZ0.1HA W183PNC0.1HO W184PNZ0.1HA W184PNC0.1HO W185PNZ0.1HA W185PNC0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

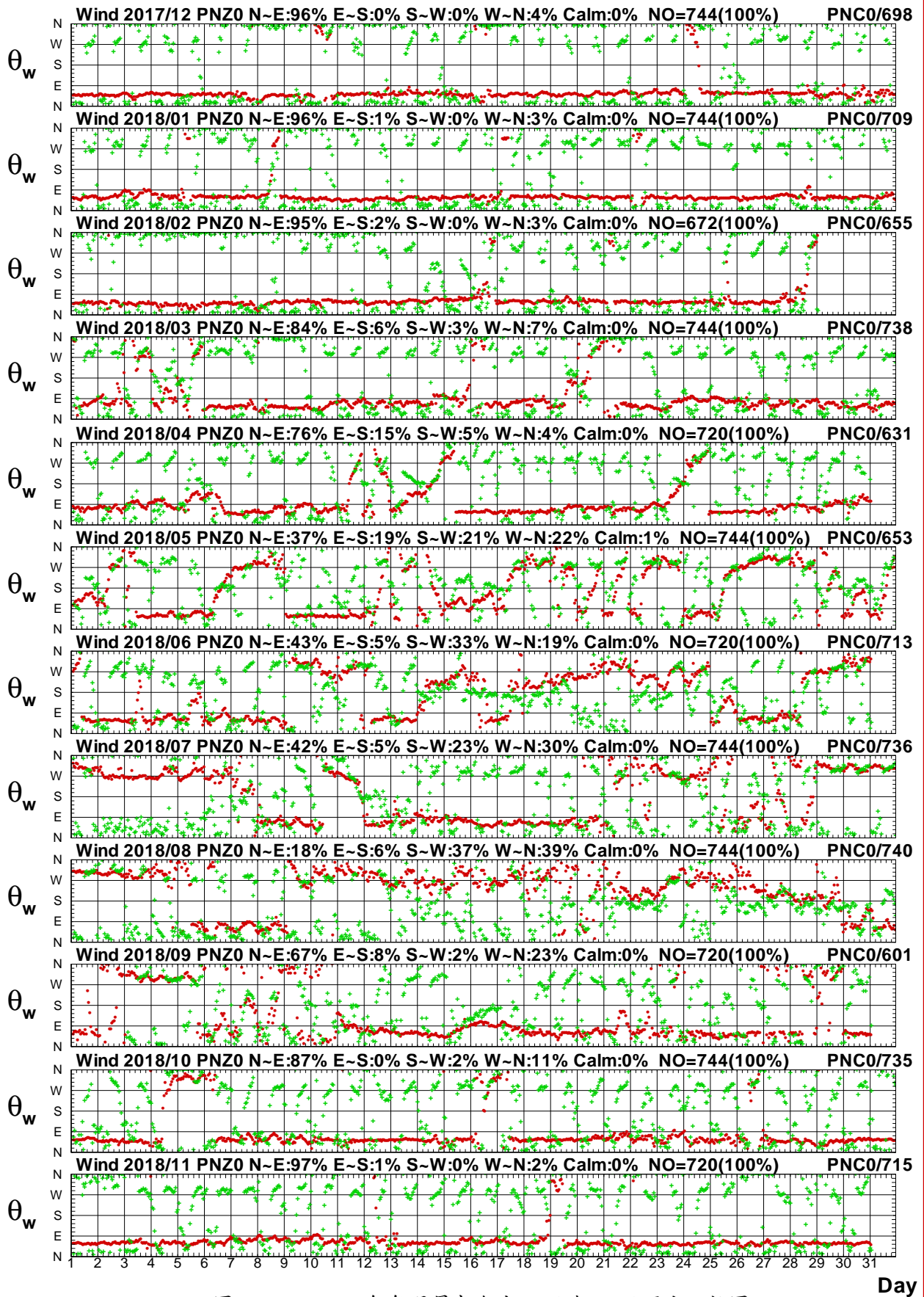


圖1.4.1b 2018年每月屏東海域 Z 站與 C 站風向比較圖

W17CPNZ0.1HA W17CPNC0.1HO W181PNZ0.1HA W181PNC0.1HO W182PNZ0.1HA W182PNC0.1HO
 W183PNZ0.1HA W183PNC0.1HO W184PNZ0.1HA W184PNC0.1HO W185PNZ0.1HA W185PNC0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

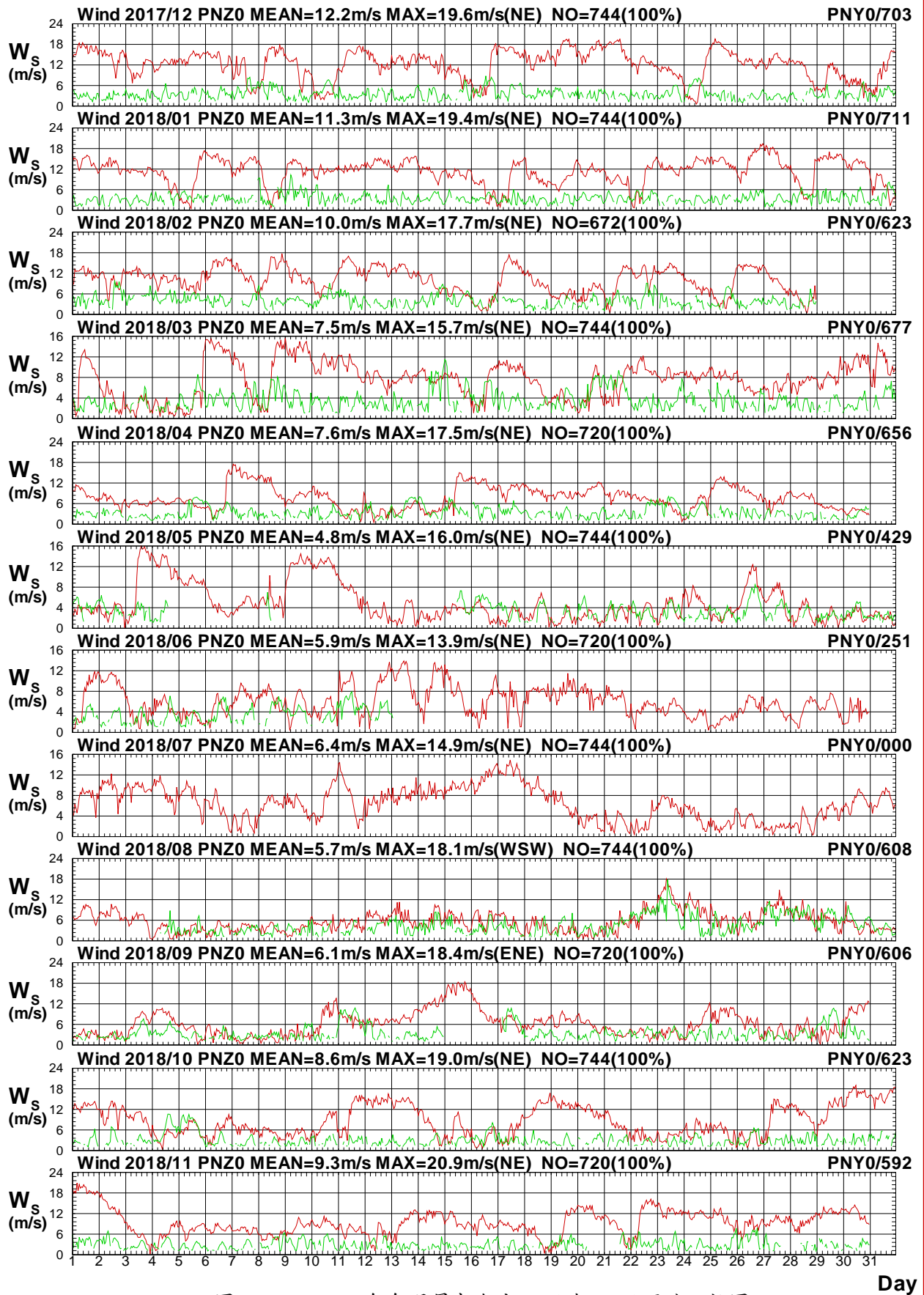


圖1.4.2a 2018年每月屏東海域 Z 站與 Y 站風速比較圖

W17CPNZ0.1HA W17CPNY0.1HO W181PNZ0.1HA W181PNY0.1HO W182PNZ0.1HA W182PNY0.1HO
W183PNZ0.1HA W183PNY0.1HO W184PNZ0.1HA W184PNY0.1HO W185PNZ0.1HA W185PNY0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

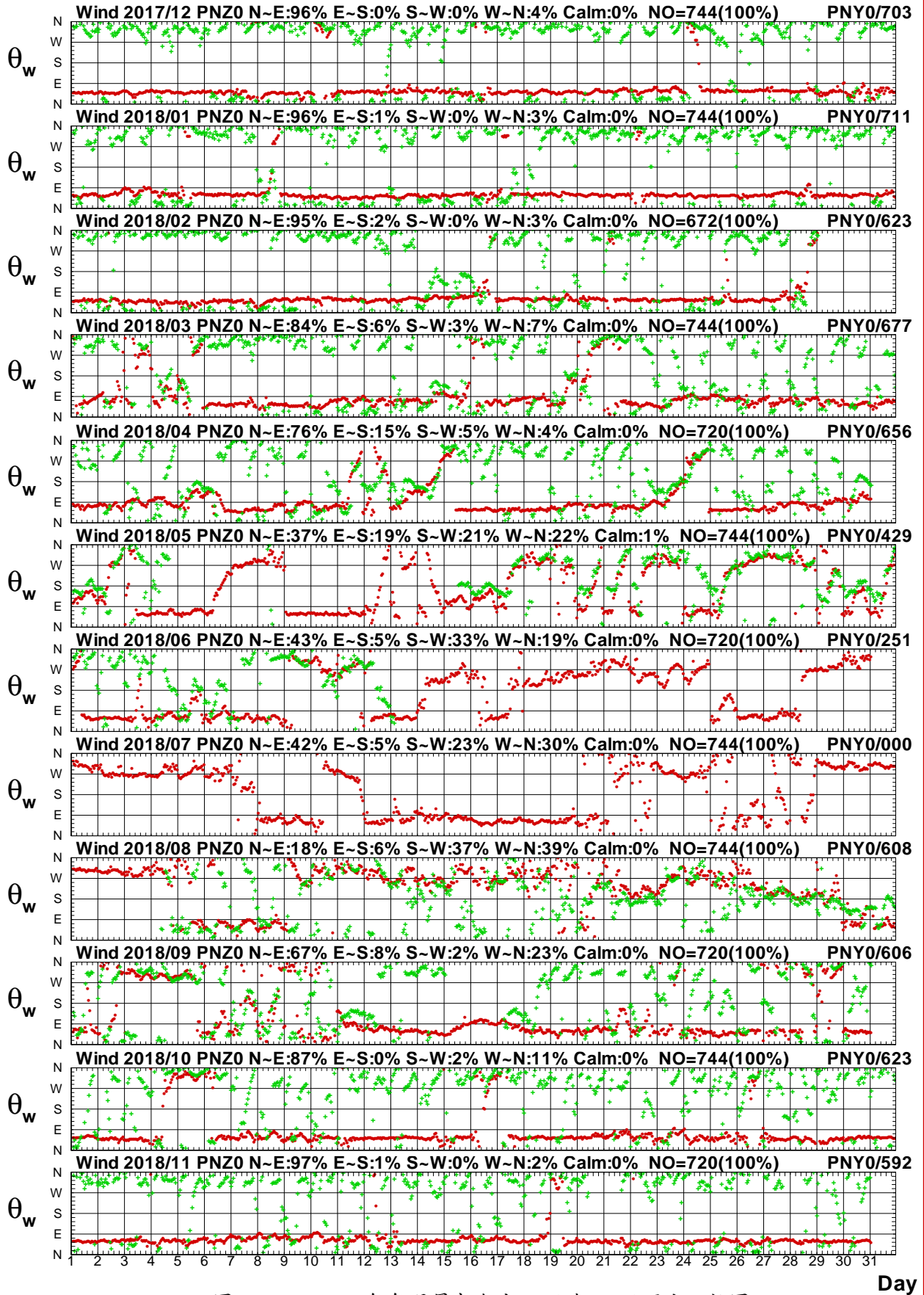


圖1.4.2b 2018年每月屏東海域 Z 站與 Y 站風向比較圖

W17CPNZ0.1HA W17CPNY0.1HO W181PNZ0.1HA W181PNY0.1HO W182PNZ0.1HA W182PNY0.1HO
 W183PNZ0.1HA W183PNY0.1HO W184PNZ0.1HA W184PNY0.1HO W185PNZ0.1HA W185PNY0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

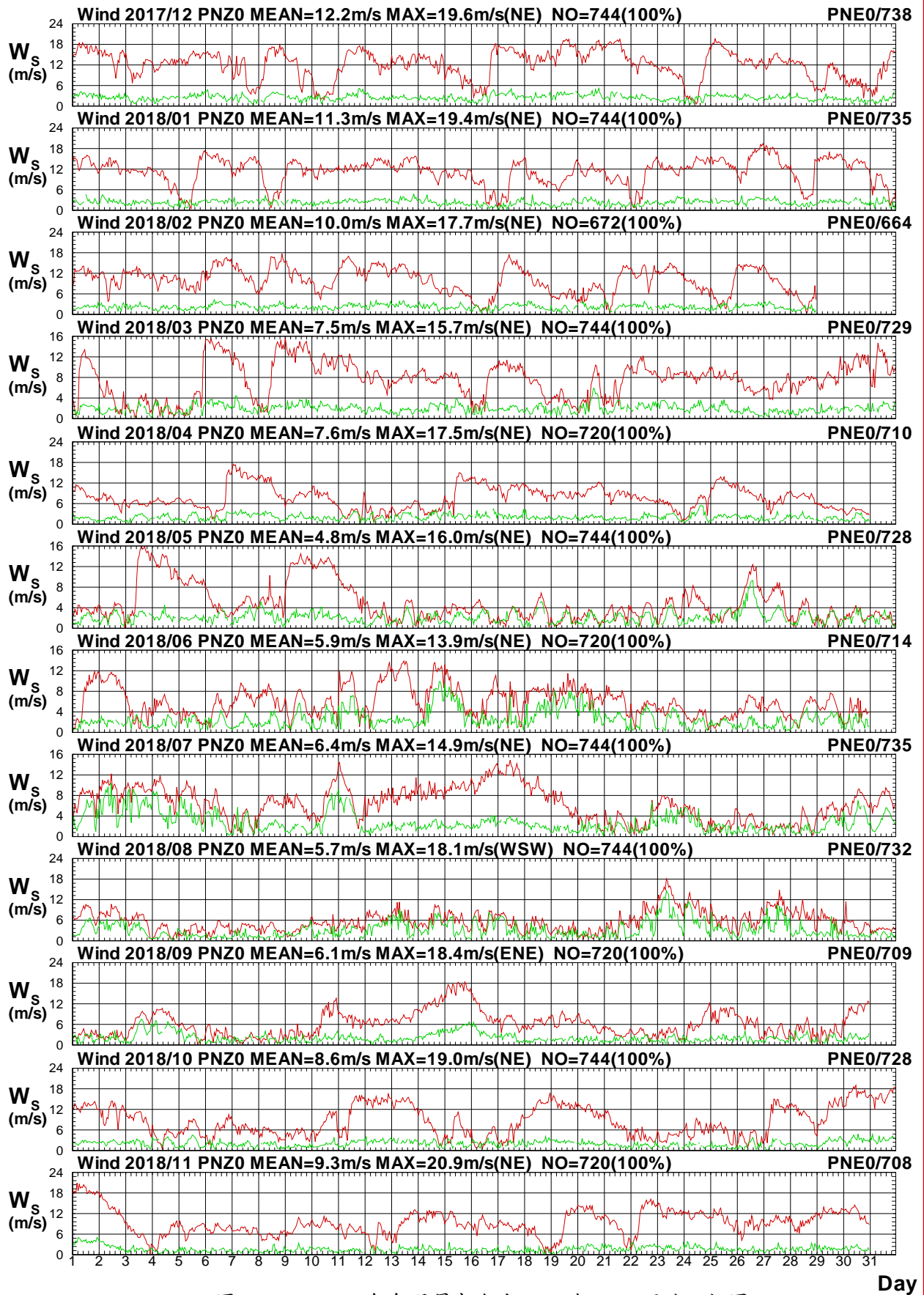


圖1.4.3a 2018年每月屏東海域 Z 站與 E 站風速比較圖

W17CPNZ0.1HA W17CPNE0.1HO W181PNZ0.1HA W181PNE0.1HO W182PNZ0.1HA W182PNE0.1HO
 W183PNZ0.1HA W183PNE0.1HO W184PNZ0.1HA W184PNE0.1HO W185PNZ0.1HA W185PNE0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

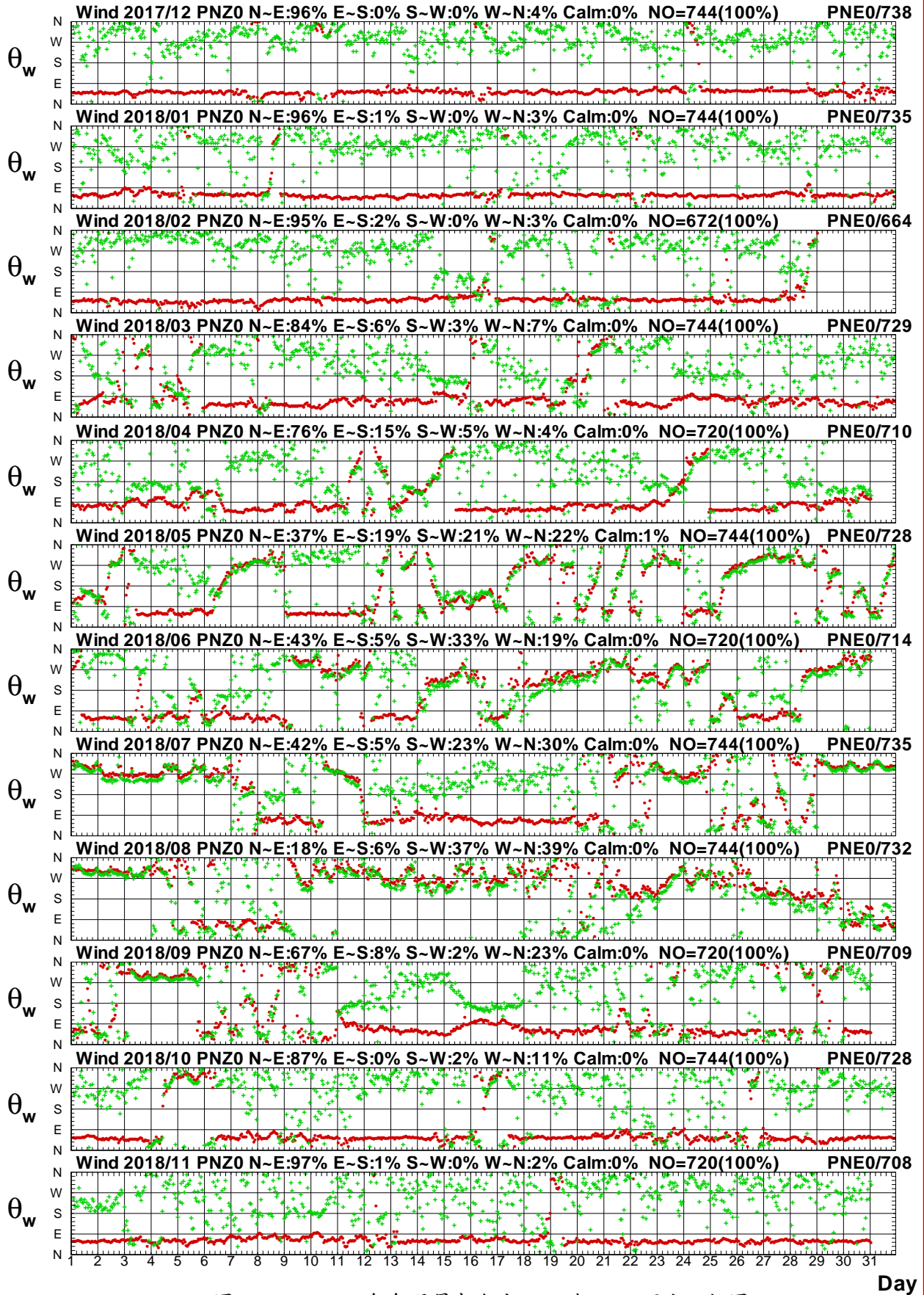


圖1.4.3b 2018年每月屏東海域 Z 站與 E 站風向比較圖

W17CPNZ0.1HA W17CPNE0.1HO W181PNZ0.1HA W181PNE0.1HO W182PNZ0.1HA W182PNE0.1HO
 W183PNZ0.1HA W183PNE0.1HO W184PNZ0.1HA W184PNE0.1HO W185PNZ0.1HA W185PNE0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

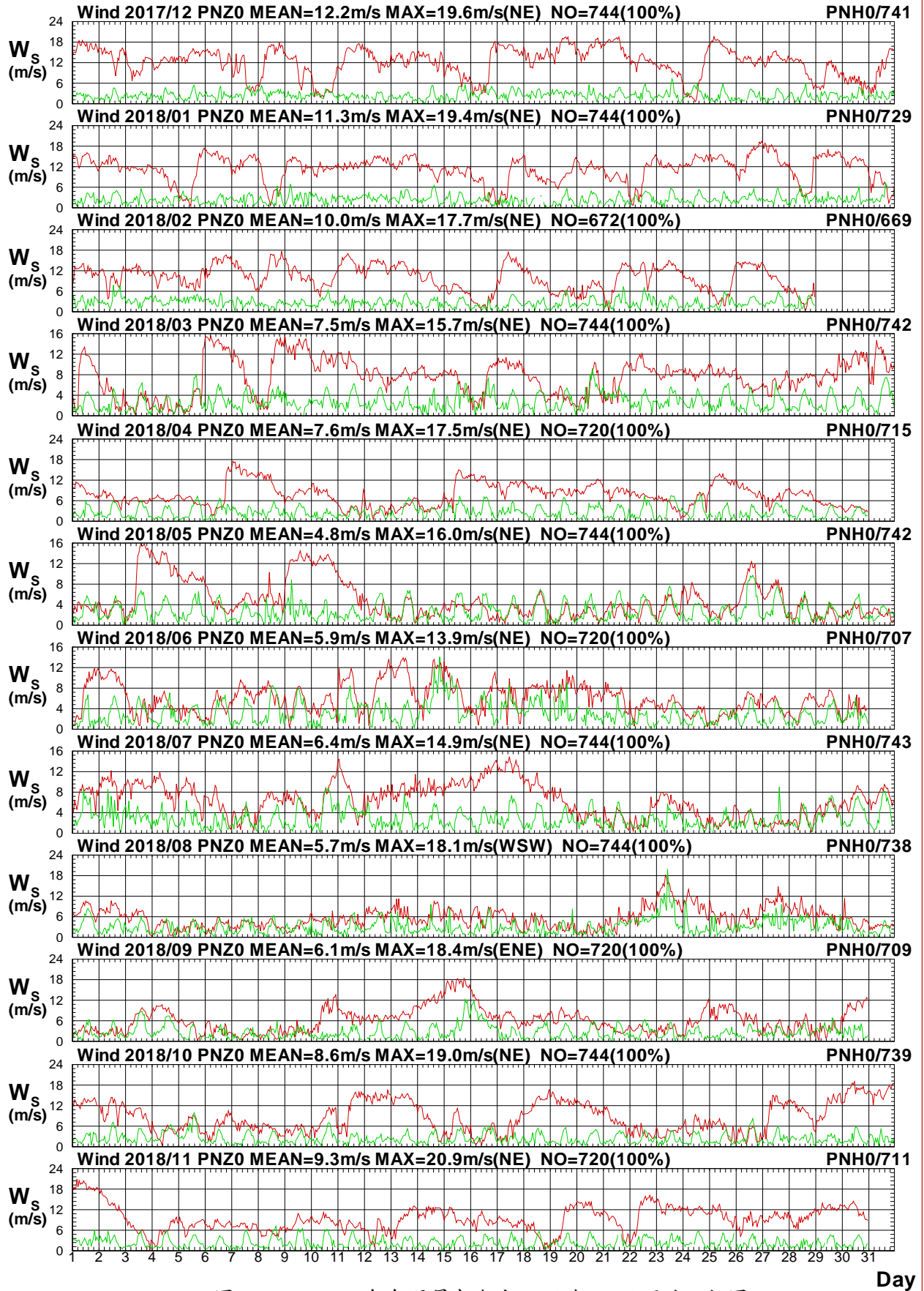


圖1.4.4a 2018年每月屏東海域 Z 站與 H 站風速比較圖

W17CPNZ0.1HA W17CPNH0.1HO W181PNZ0.1HA W181PNH0.1HO W182PNZ0.1HA W182PNH0.1HO
 W183PNZ0.1HA W183PNH0.1HO W184PNZ0.1HA W184PNH0.1HO W185PNZ0.1HA W185PNH0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

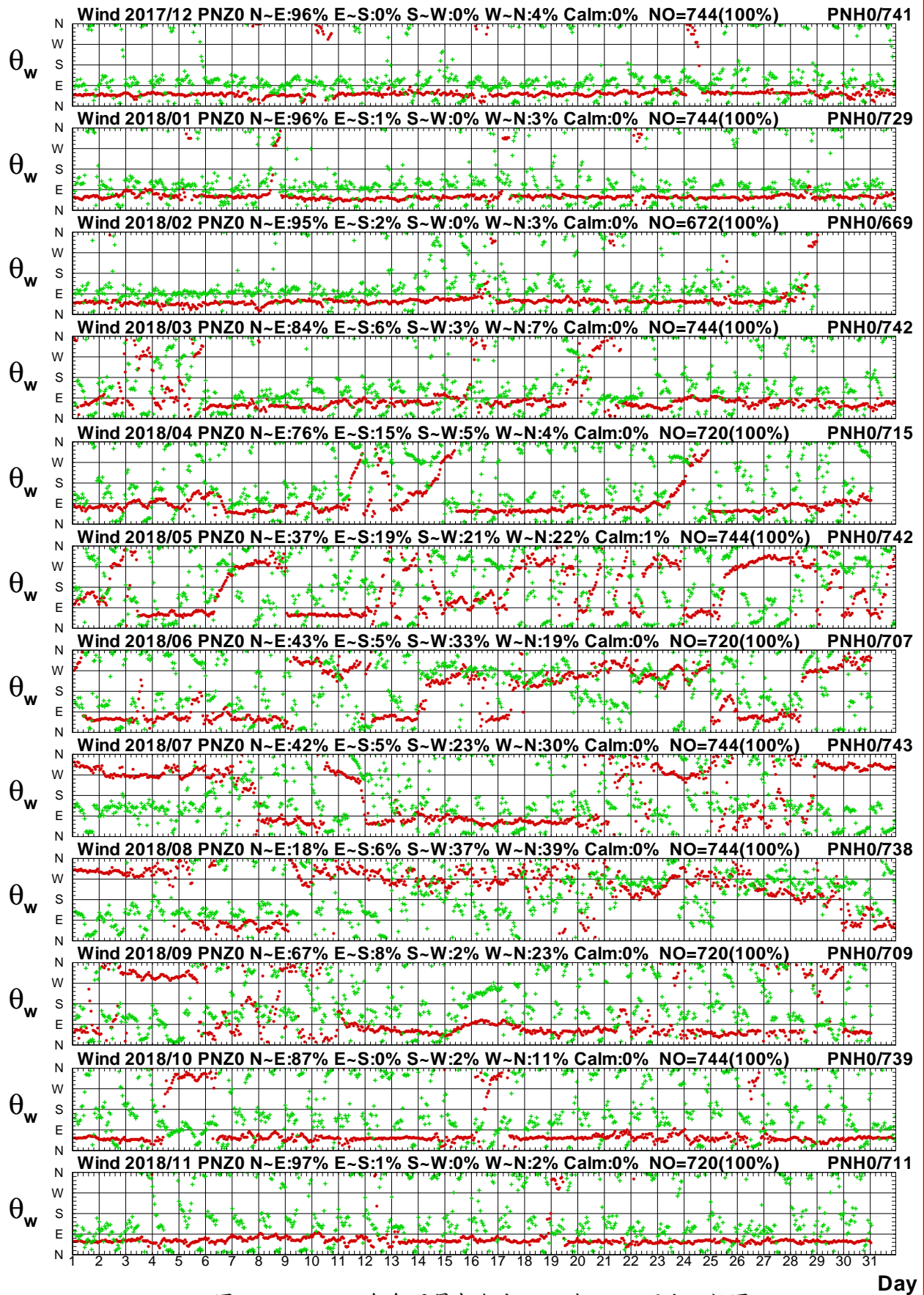


圖1.4.4b 2018年每月屏東海域 Z 站與 H 站風向比較圖

W17CPNZ0.1HA W17CPNH0.1HO W181PNZ0.1HA W181PNH0.1HO W182PNZ0.1HA W182PNH0.1HO
 W183PNZ0.1HA W183PNH0.1HO W184PNZ0.1HA W184PNH0.1HO W185PNZ0.1HA W185PNH0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

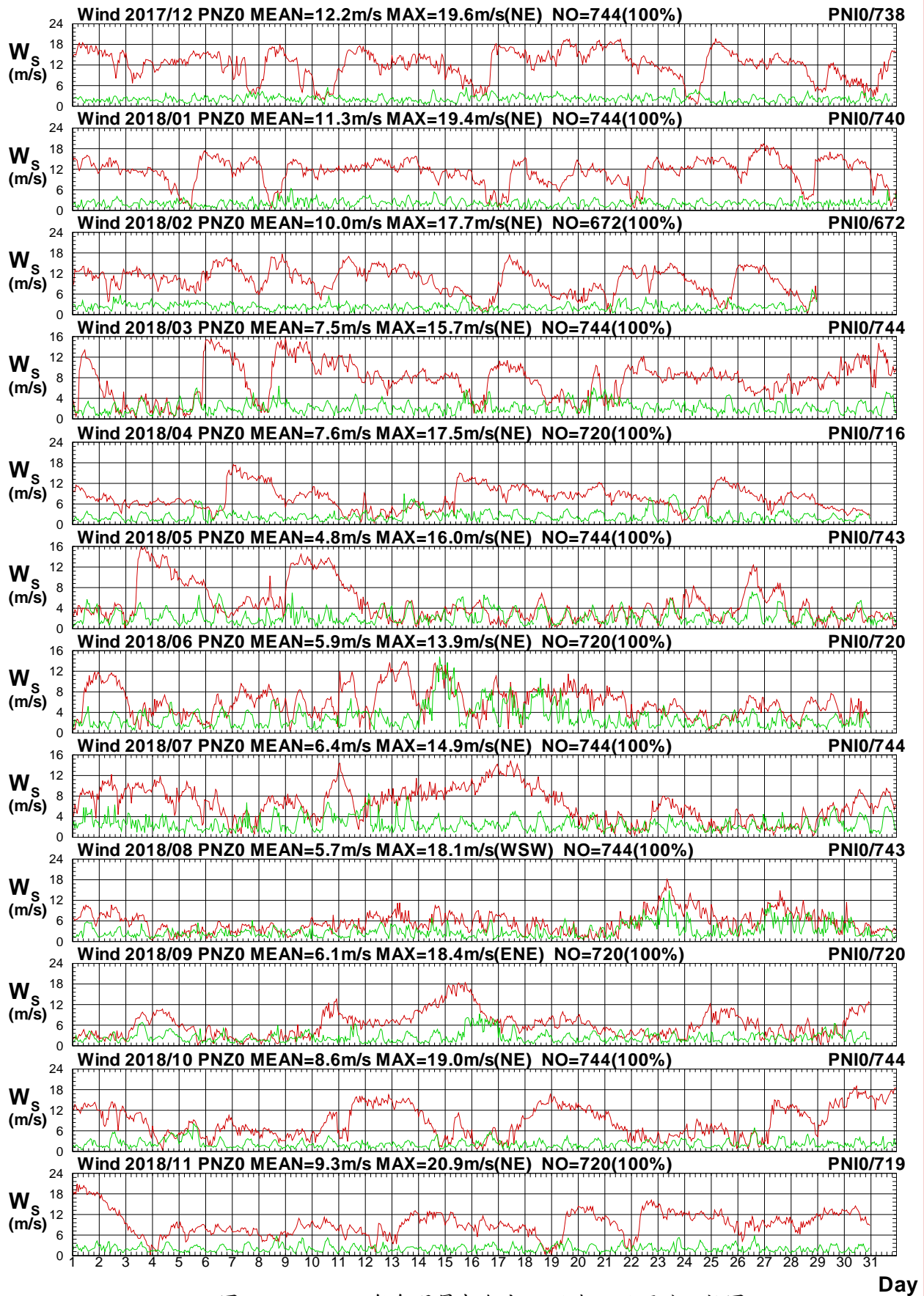


圖1.4.5a 2018年每月屏東海域 Z 站與 I 站風速比較圖

W17CPNZ0.1HA W17CPNI0.1H0 W181PNZ0.1HA W181PNI0.1H0 W182PNZ0.1HA W182PNI0.1H0
 W183PNZ0.1HA W183PNI0.1H0 W184PNZ0.1HA W184PNI0.1H0 W185PNZ0.1HA W185PNI0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

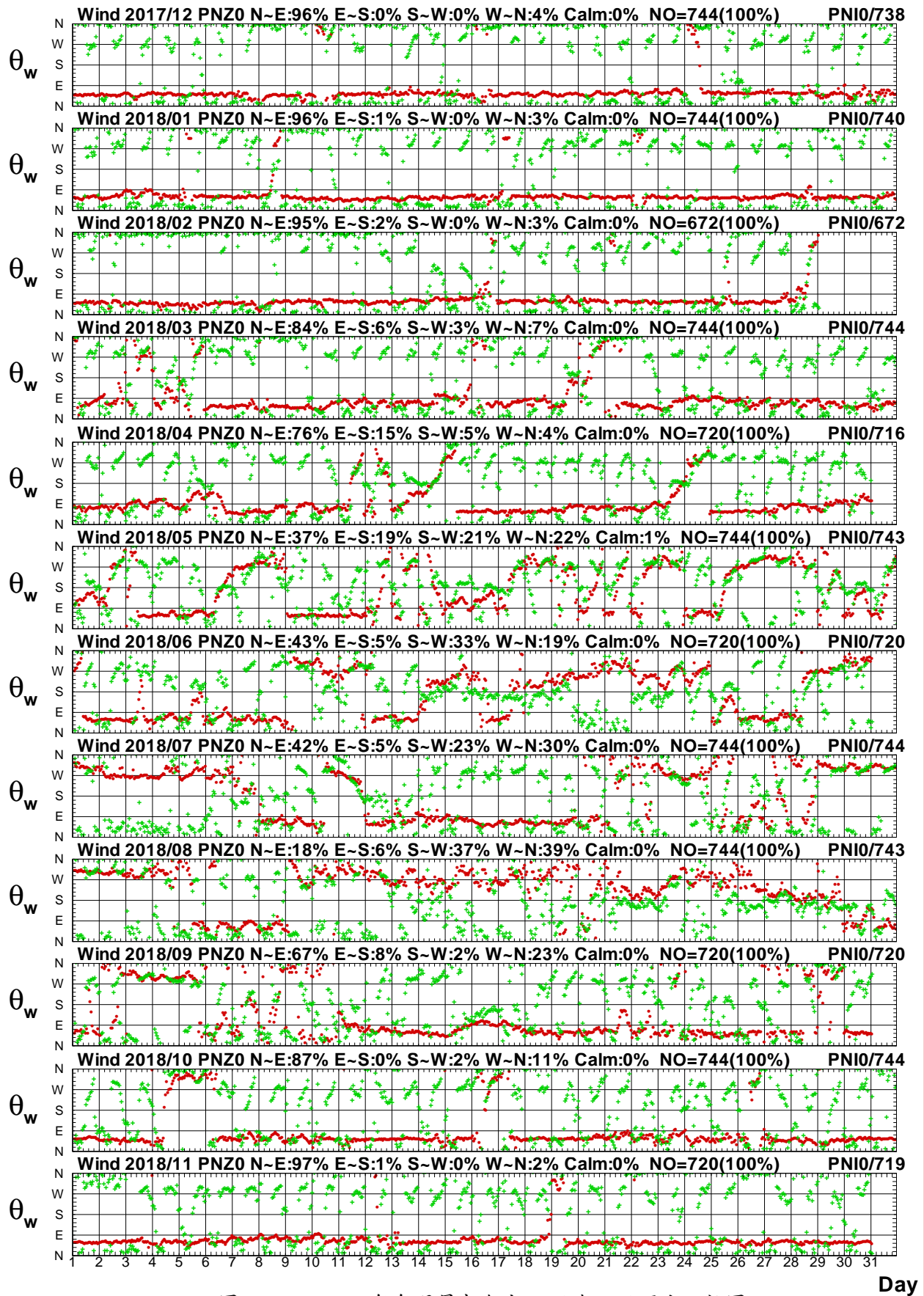


圖1.4.5b 2018年每月屏東海域 Z 站與 I 站風向比較圖

W17CPNZ0.1HA W17CPNI0.1H0 W181PNZ0.1HA W181PNI0.1H0 W182PNZ0.1HA W182PNI0.1H0
W183PNZ0.1HA W183PNI0.1H0 W184PNZ0.1HA W184PNI0.1H0 W185PNZ0.1HA W185PNI0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

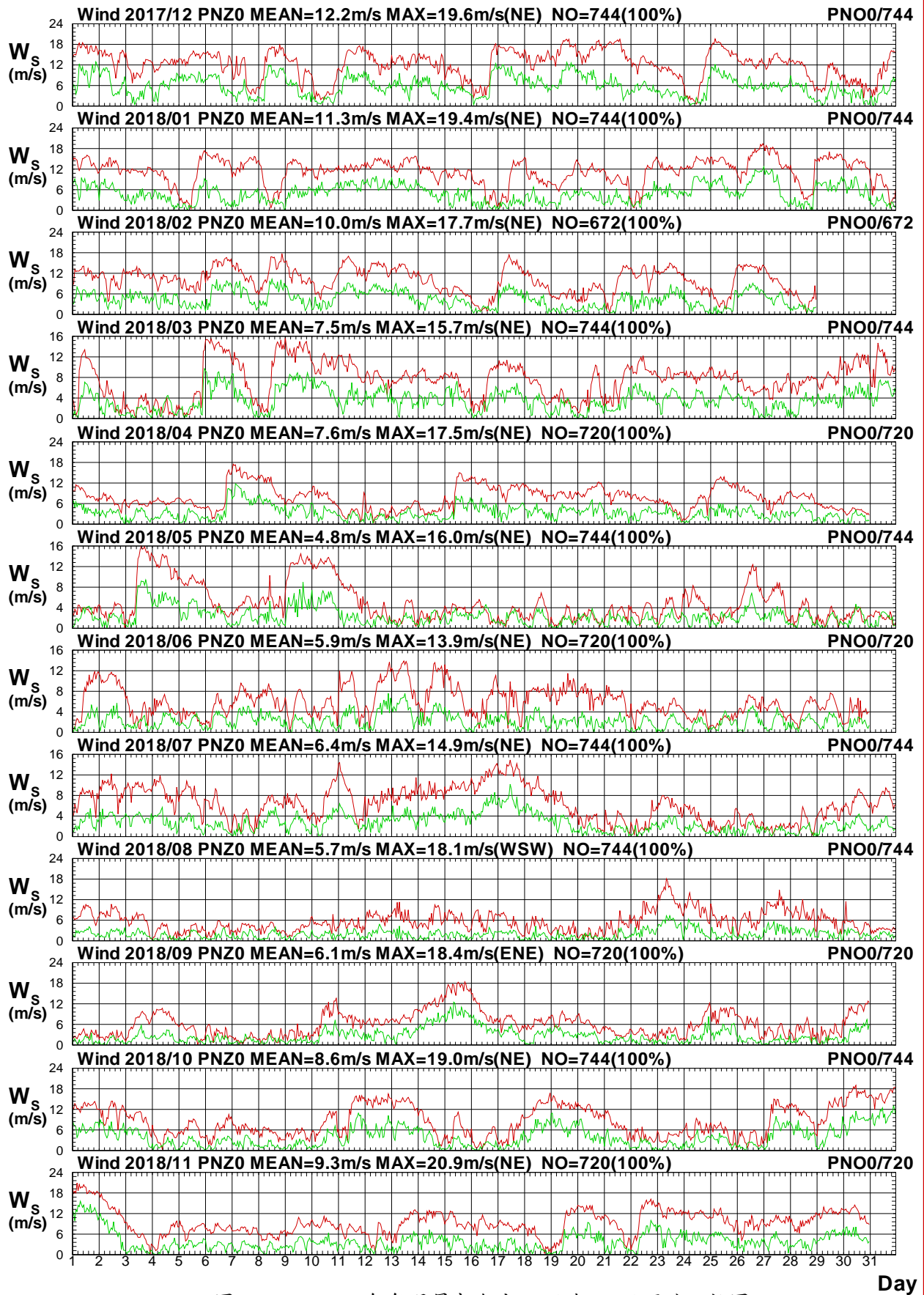


圖1.4.6a 2018年每月屏東海域 Z 站與 O 站風速比較圖

W17CPNZ0.1HA W17CPNO0.1HO W181PNZ0.1HA W181PNO0.1HO W182PNZ0.1HA W182PNO0.1HO
 W183PNZ0.1HA W183PNO0.1HO W184PNZ0.1HA W184PNO0.1HO W185PNZ0.1HA W185PNO0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

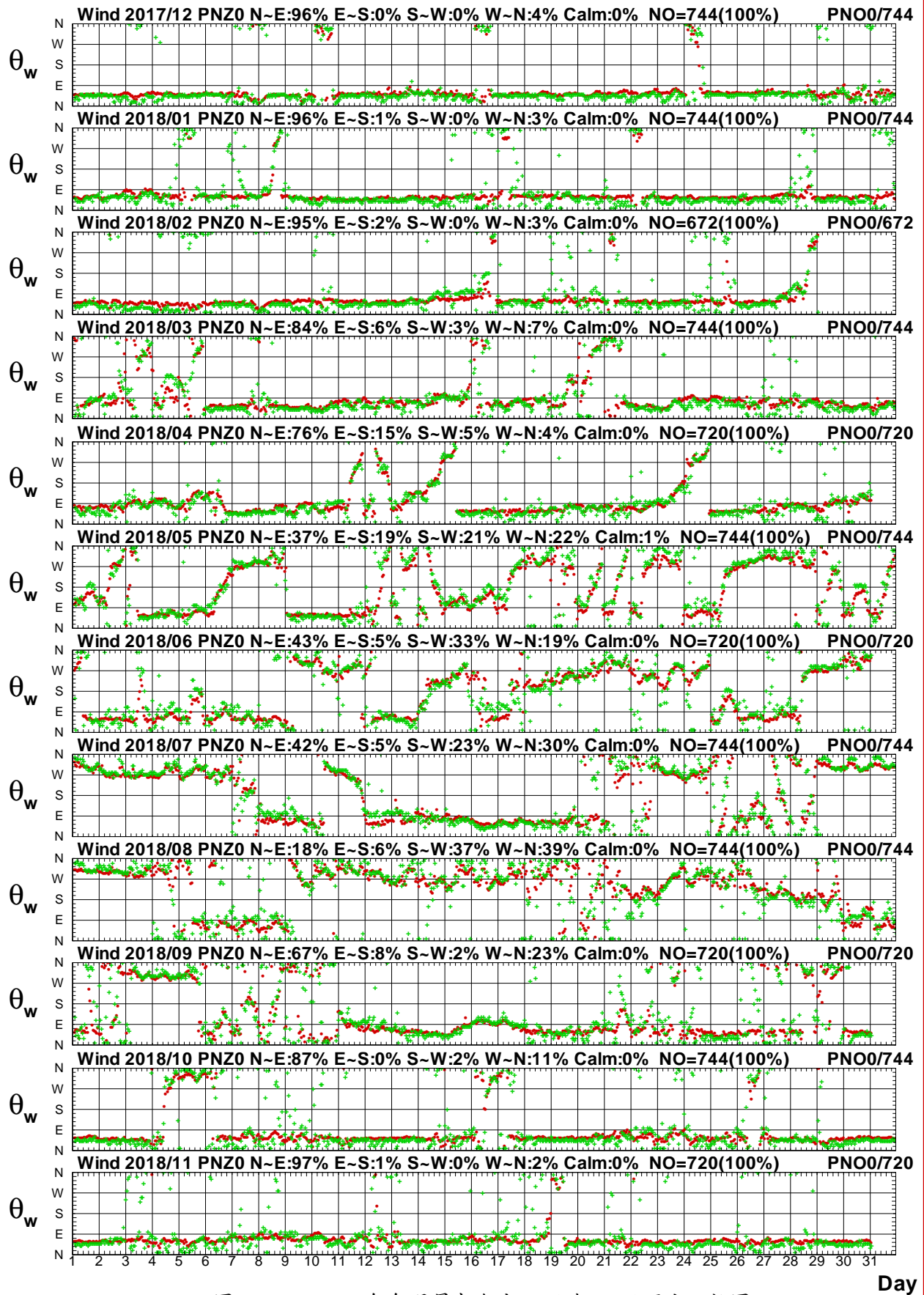


圖1.4.6b 2018年每月屏東海域 Z 站與 O 站風向比較圖

W17CPNZ0.1HA W17CPNO0.1HO W181PNZ0.1HA W181PNO0.1HO W182PNZ0.1HA W182PNO0.1HO
 W183PNZ0.1HA W183PNO0.1HO W184PNZ0.1HA W184PNO0.1HO W185PNZ0.1HA W185PNO0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

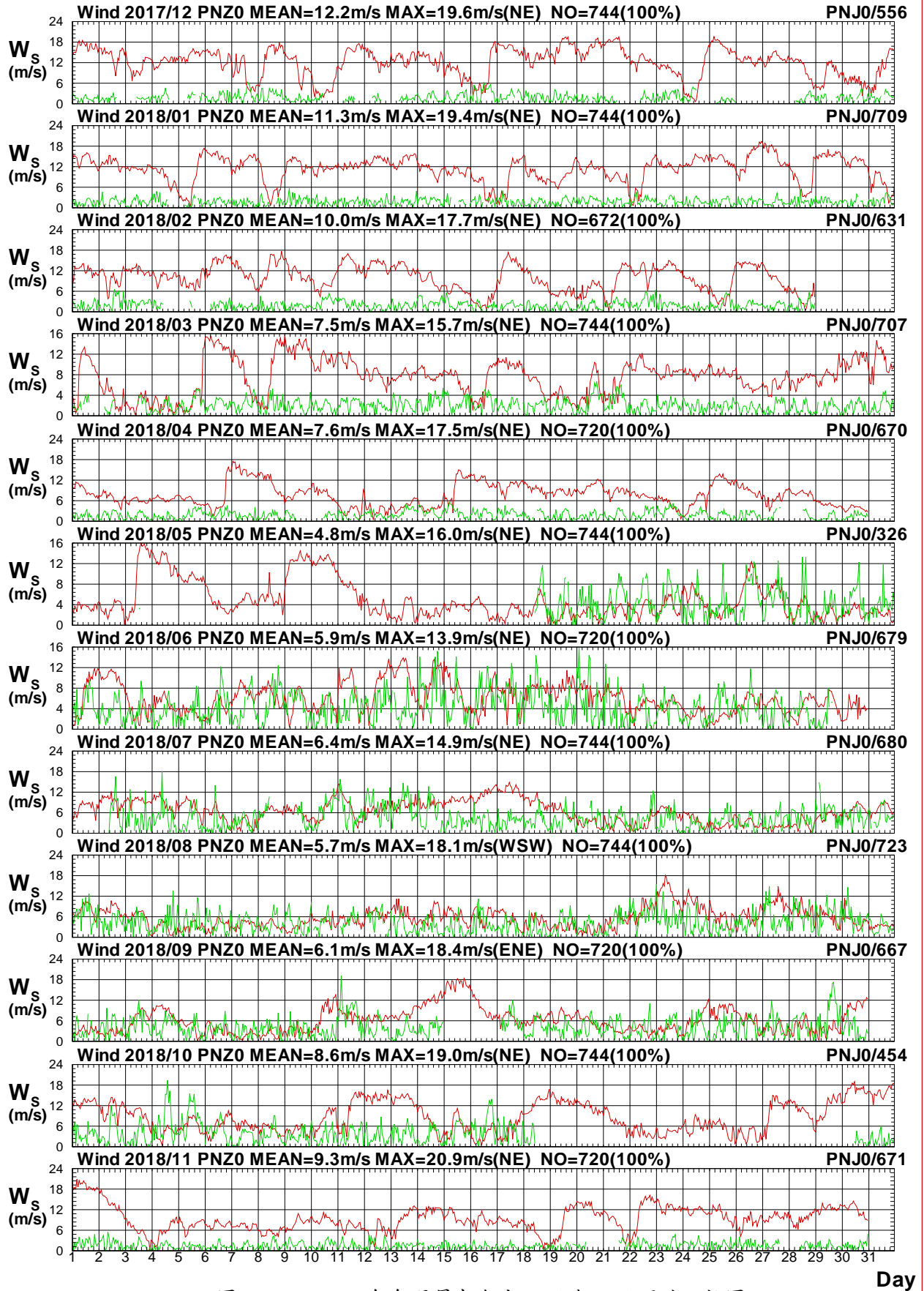


圖1.4.7a 2018年每月屏東海域 Z 站與 J 站風速比較圖

W17CPNZ0.1HA W17CPNJ0.1H0 W181PNZ0.1HA W181PNJ0.1H0 W182PNZ0.1HA W182PNJ0.1H0
 W183PNZ0.1HA W183PNJ0.1H0 W184PNZ0.1HA W184PNJ0.1H0 W185PNZ0.1HA W185PNJ0.1H0
 Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

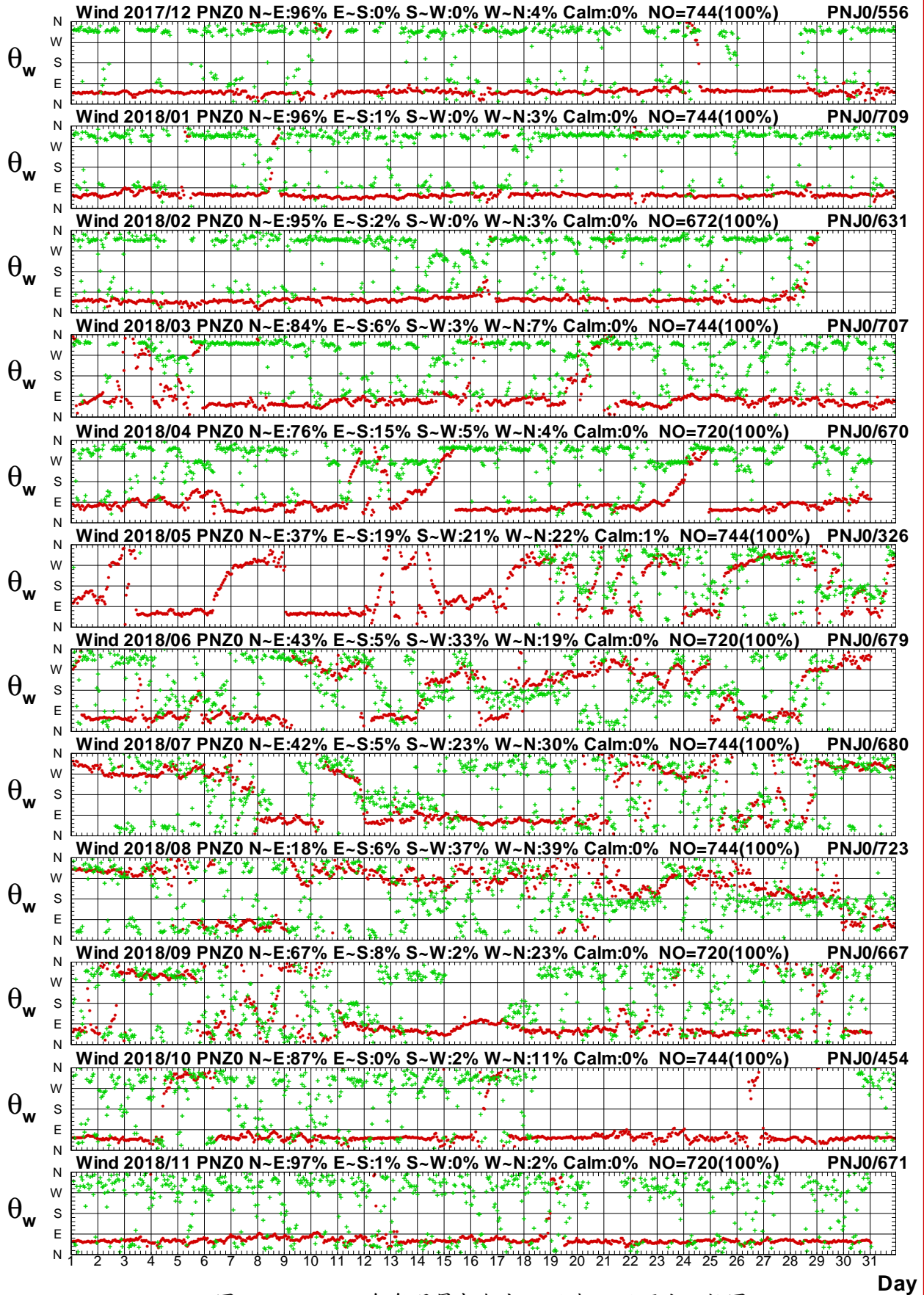


圖1.4.7b 2018年每月屏東海域 Z 站與 J 站風向比較圖

W17CPNZ0.1HA W17CPNJ0.1H0 W181PNZ0.1HA W181PNJ0.1H0 W182PNZ0.1HA W182PNJ0.1H0
 W183PNZ0.1HA W183PNJ0.1H0 W184PNZ0.1HA W184PNJ0.1H0 W185PNZ0.1HA W185PNJ0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

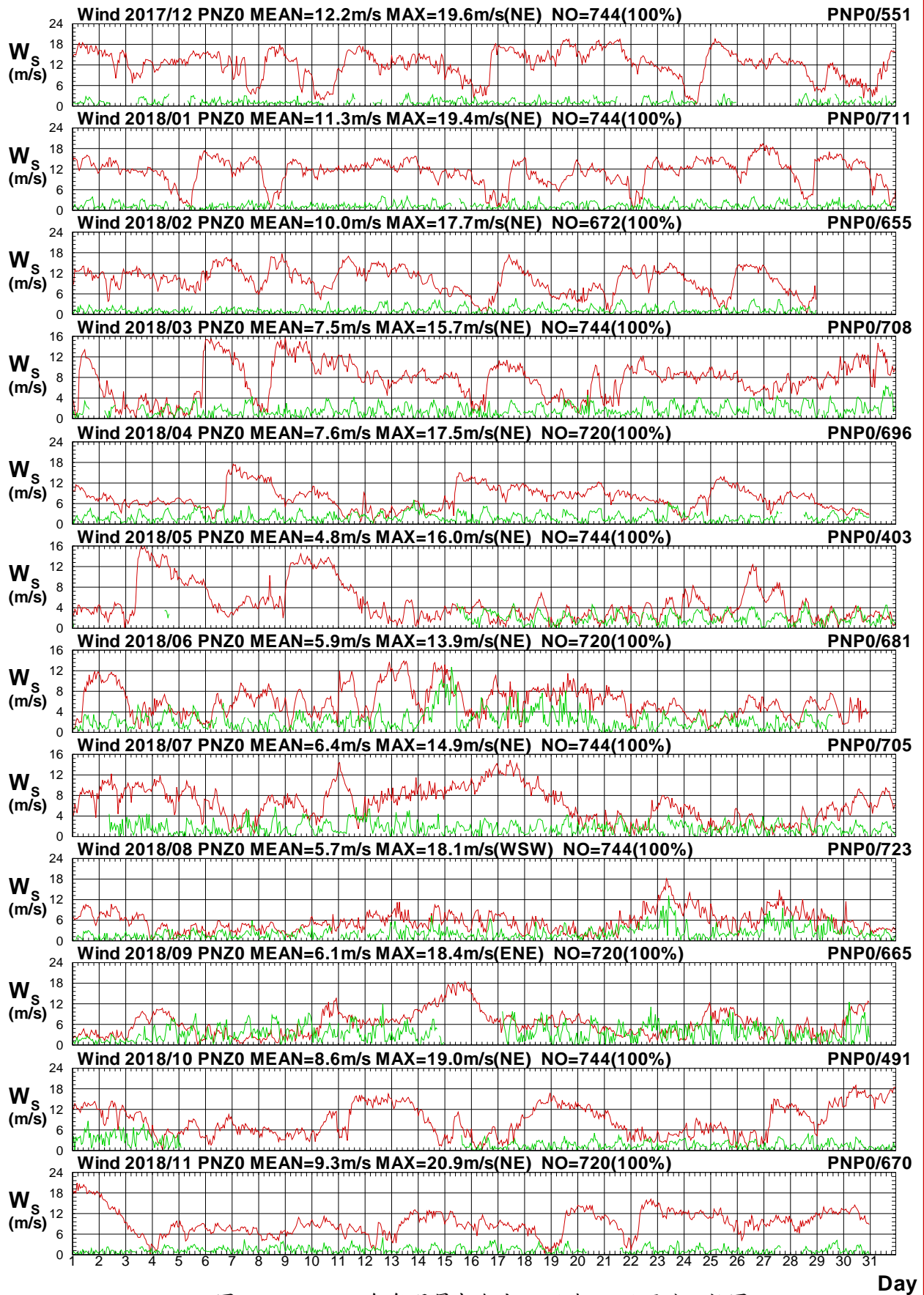


圖1.4.8a 2018年每月屏東海域 Z 站與 P 站風速比較圖

W17CPNZ0.1HA W17CPNP0.1HO W181PNZ0.1HA W181PNP0.1HO W182PNZ0.1HA W182PNP0.1HO
W183PNZ0.1HA W183PNP0.1HO W184PNZ0.1HA W184PNP0.1HO W185PNZ0.1HA W185PNP0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

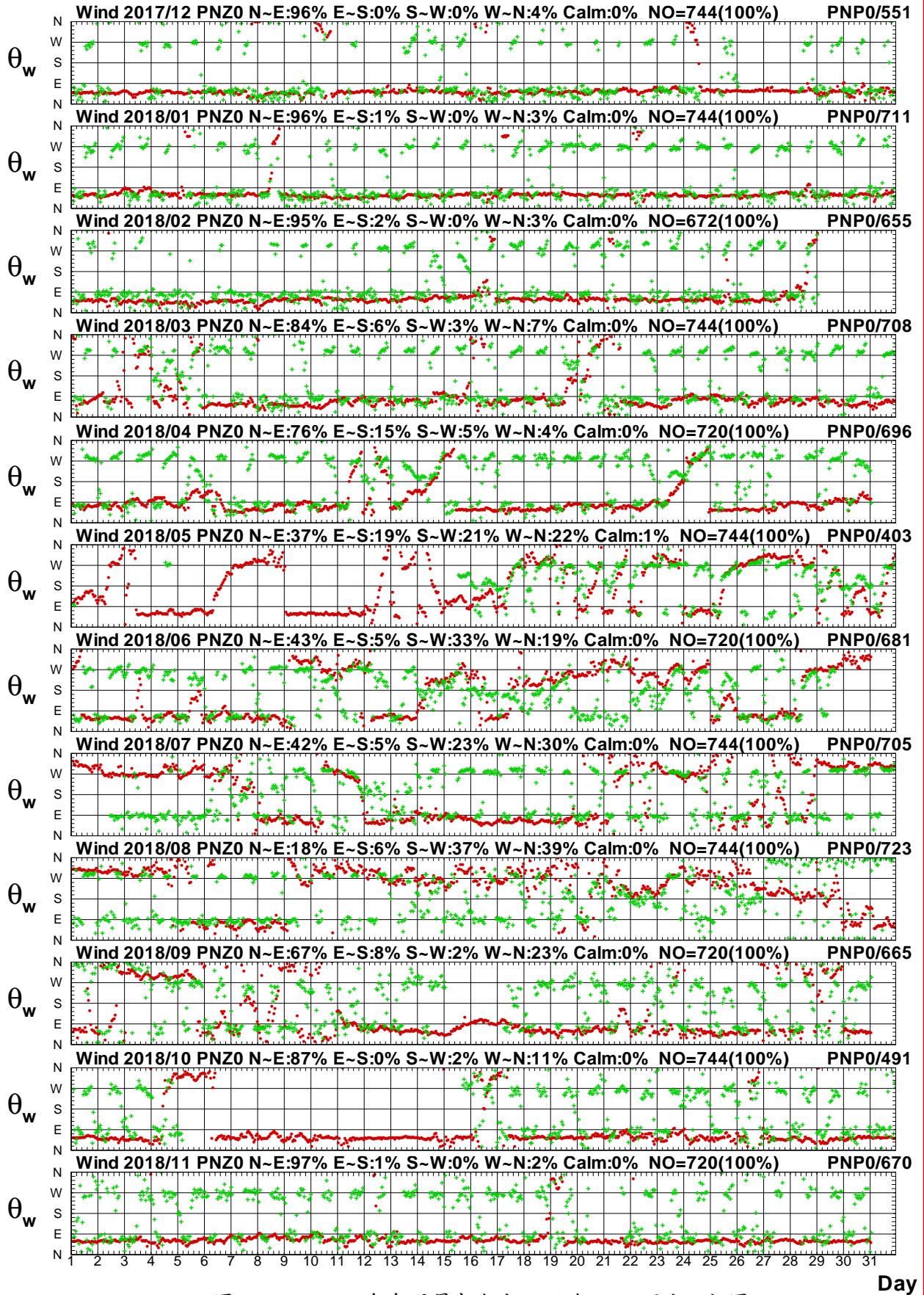


圖1.4.8b 2018年每月屏東海域 Z 站與 P 站風向比較圖

W17CPNZ0.1HA W17CPNP0.1HO W181PNZ0.1HA W181PNP0.1HO W182PNZ0.1HA W182PNP0.1HO
W183PNZ0.1HA W183PNP0.1HO W184PNZ0.1HA W184PNP0.1HO W185PNZ0.1HA W185PNP0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

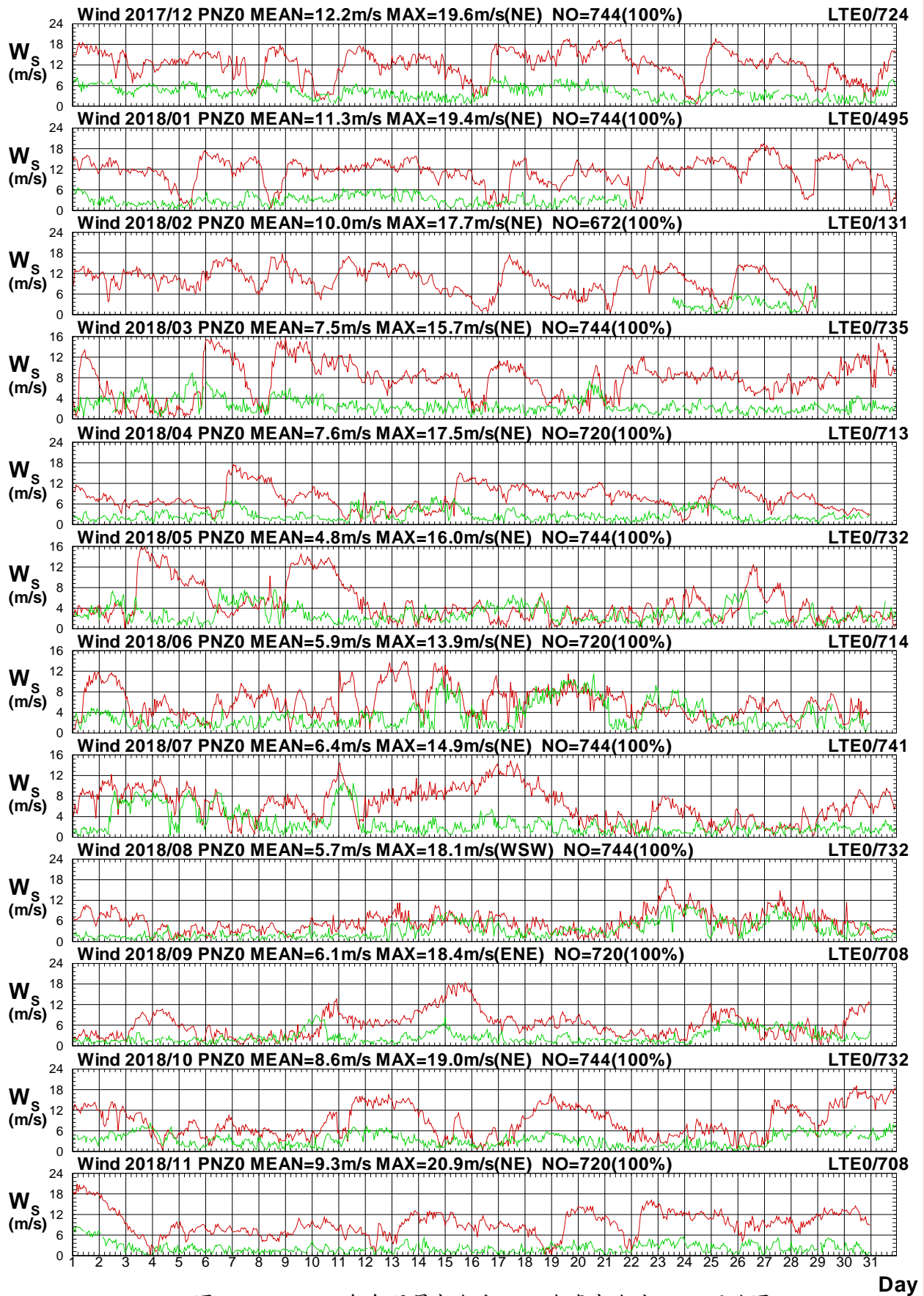


圖1.4.9a 2018年每月屏東海域 Z 站與臺東海域 E 站風速圖

W17CPNZ0.1HA W17CLTE0.1H0 W181PNZ0.1HA W181LTE0.1H0 W182PNZ0.1HA W182LTE0.1H0
 W183PNZ0.1HA W183LTE0.1H0 W184PNZ0.1HA W184LTE0.1H0 W185PNZ0.1HA W185LTE0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

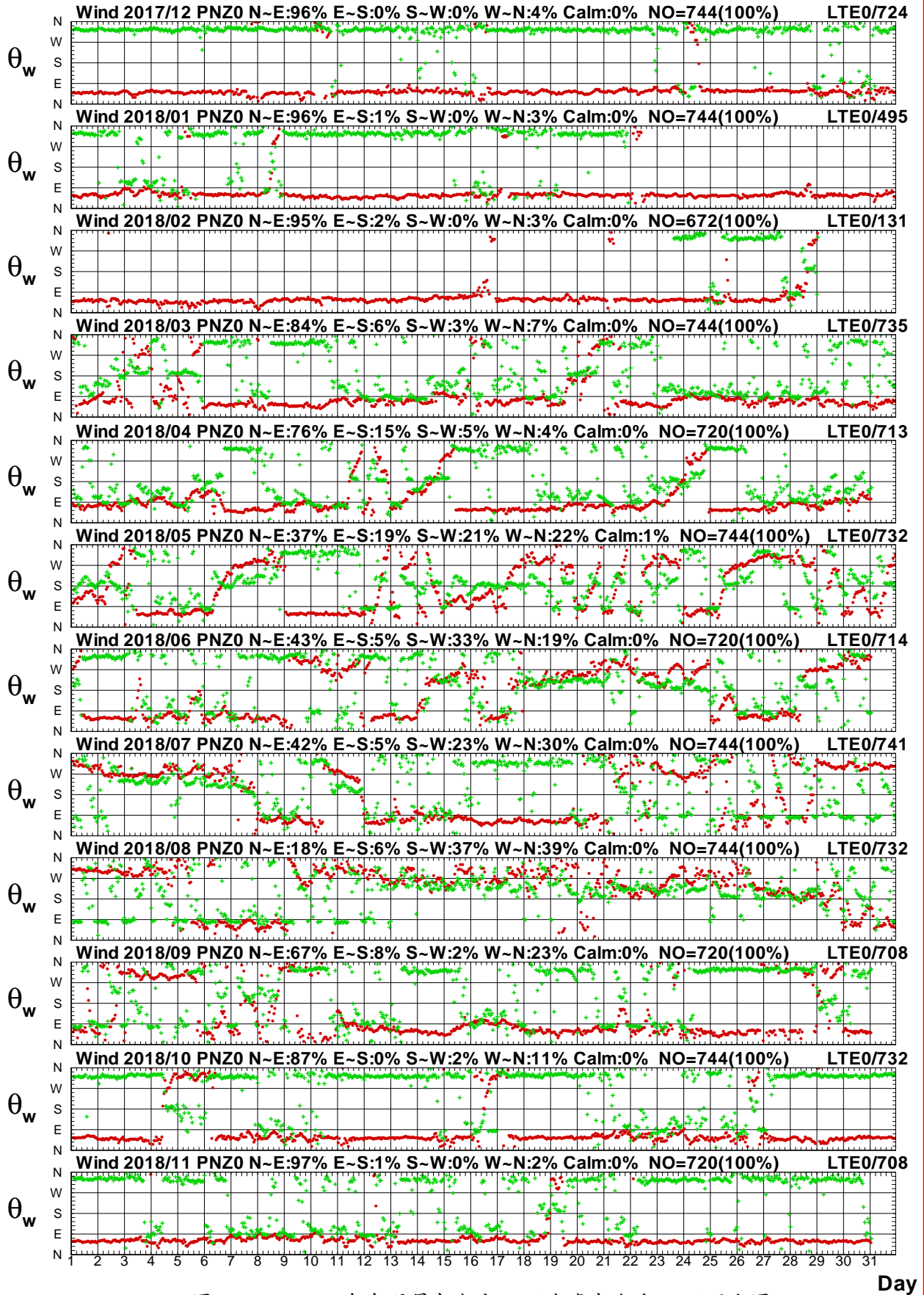


圖1.4.9b 2018年每月屏東海域 Z 站與臺東海域 E 站風向圖

W17CPNZ0.1HA W17CLTE0.1H0 W181PNZ0.1HA W181LTE0.1H0 W182PNZ0.1HA W182LTE0.1H0
W183PNZ0.1HA W183LTE0.1H0 W184PNZ0.1HA W184LTE0.1H0 W185PNZ0.1HA W185LTE0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

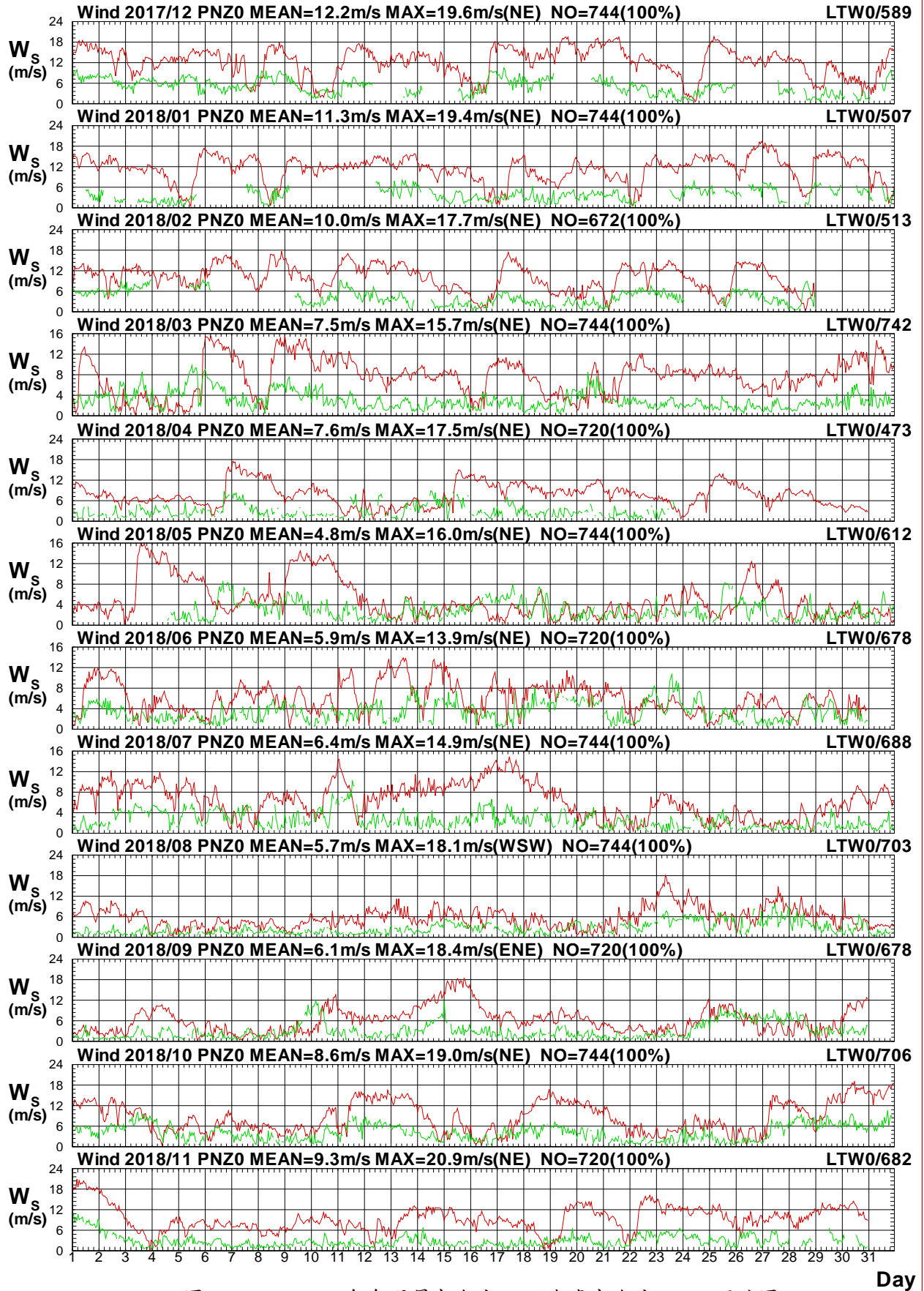


圖1.4.10a 2018年每月屏東海域 Z 站與臺東海域 W 站風速圖

W17CPNZ0.1HA W17CLTW0.1H0 W181PNZ0.1HA W181LTW0.1H0 W182PNZ0.1HA W182LTW0.1H0
 W183PNZ0.1HA W183LTW0.1H0 W184PNZ0.1HA W184LTW0.1H0 W185PNZ0.1HA W185LTW0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

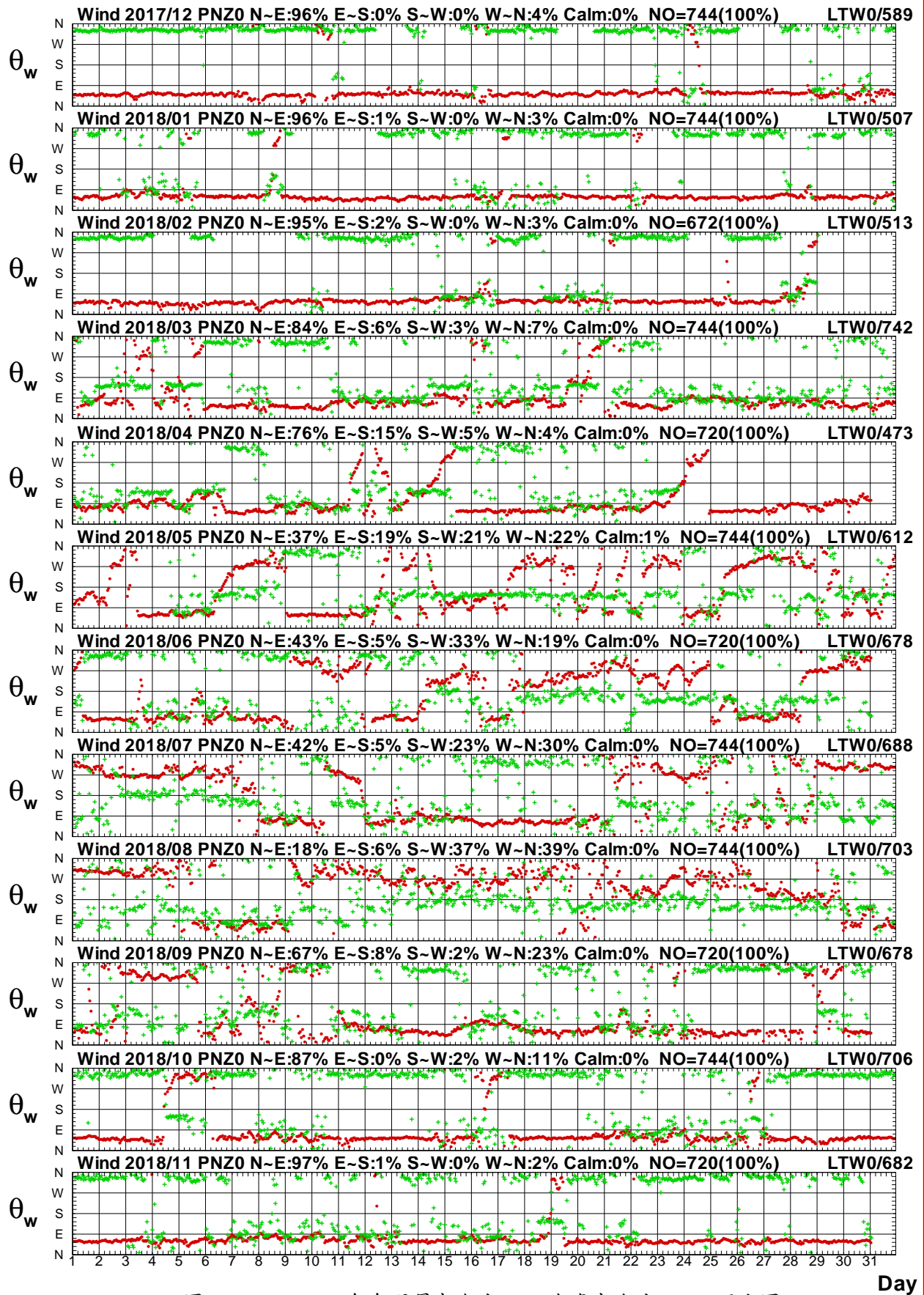


圖 1.4.10b 2018年每月屏東海域 Z 站與臺東海域 W 站風向圖

W17CPNZ0.1HA W17CLTW0.1HO W181PNZ0.1HA W181LTW0.1HO W182PNZ0.1HA W182LTW0.1HO
 W183PNZ0.1HA W183LTW0.1HO W184PNZ0.1HA W184LTW0.1HO W185PNZ0.1HA W185LTW0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

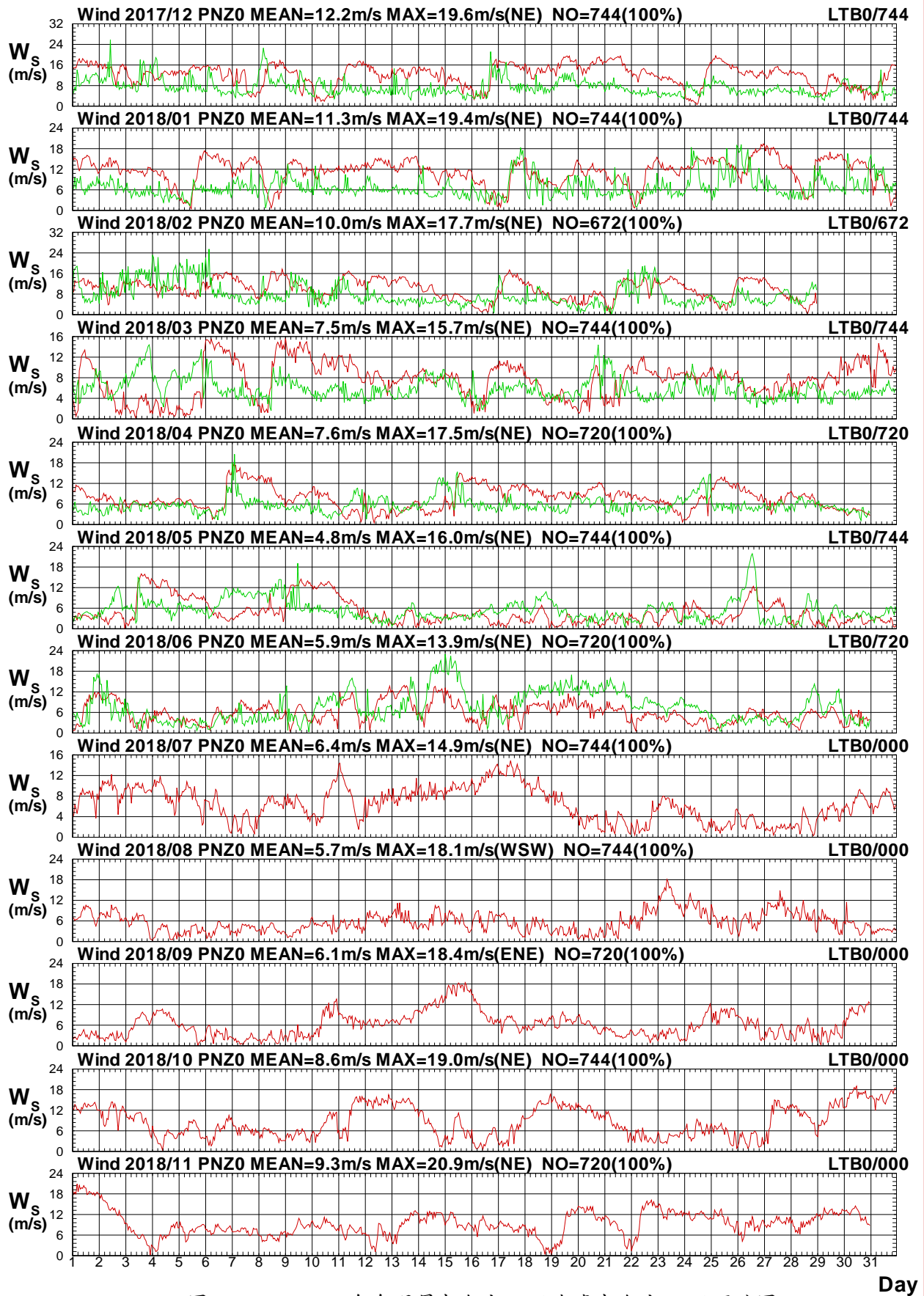


圖1.4.11a 2018年每月屏東海域 Z 站與臺東海域 B 站風速圖

W17CPNZ0.1HA W17CLTB0.1H0 W181PNZ0.1HA W181LTB0.1H0 W182PNZ0.1HA W182LTB0.1H0
W183PNZ0.1HA W183LTB0.1H0 W184PNZ0.1HA W184LTB0.1H0 W185PNZ0.1HA W185LTB0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

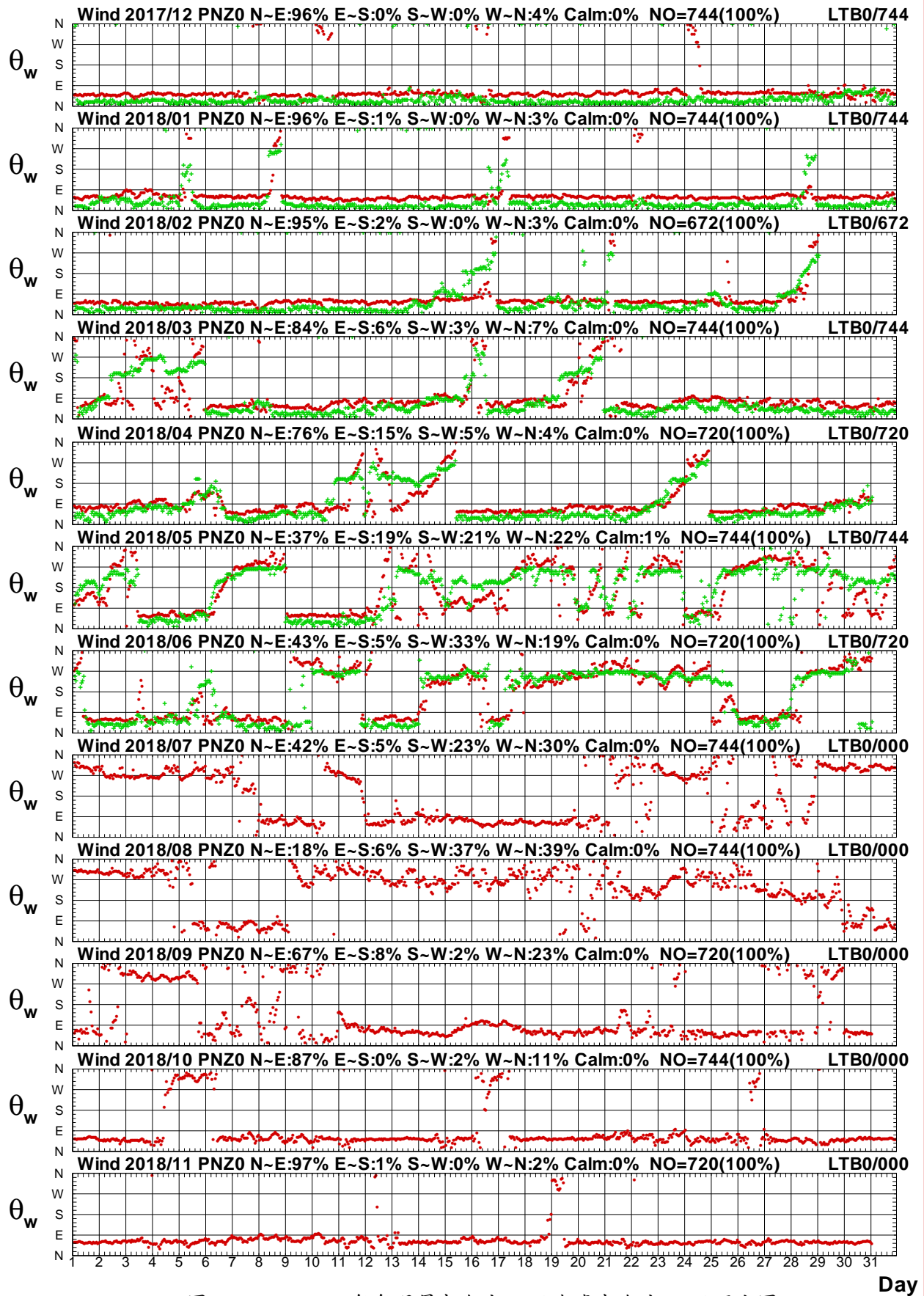


圖1.4.11b 2018年每月屏東海域 Z 站與臺東海域 B 站風向圖

W17CPNZ0.1HA W17CLTB0.1H0 W181PNZ0.1HA W181LTB0.1H0 W182PNZ0.1HA W182LTB0.1H0
W183PNZ0.1HA W183LTB0.1H0 W184PNZ0.1HA W184LTB0.1H0 W185PNZ0.1HA W185LTB0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

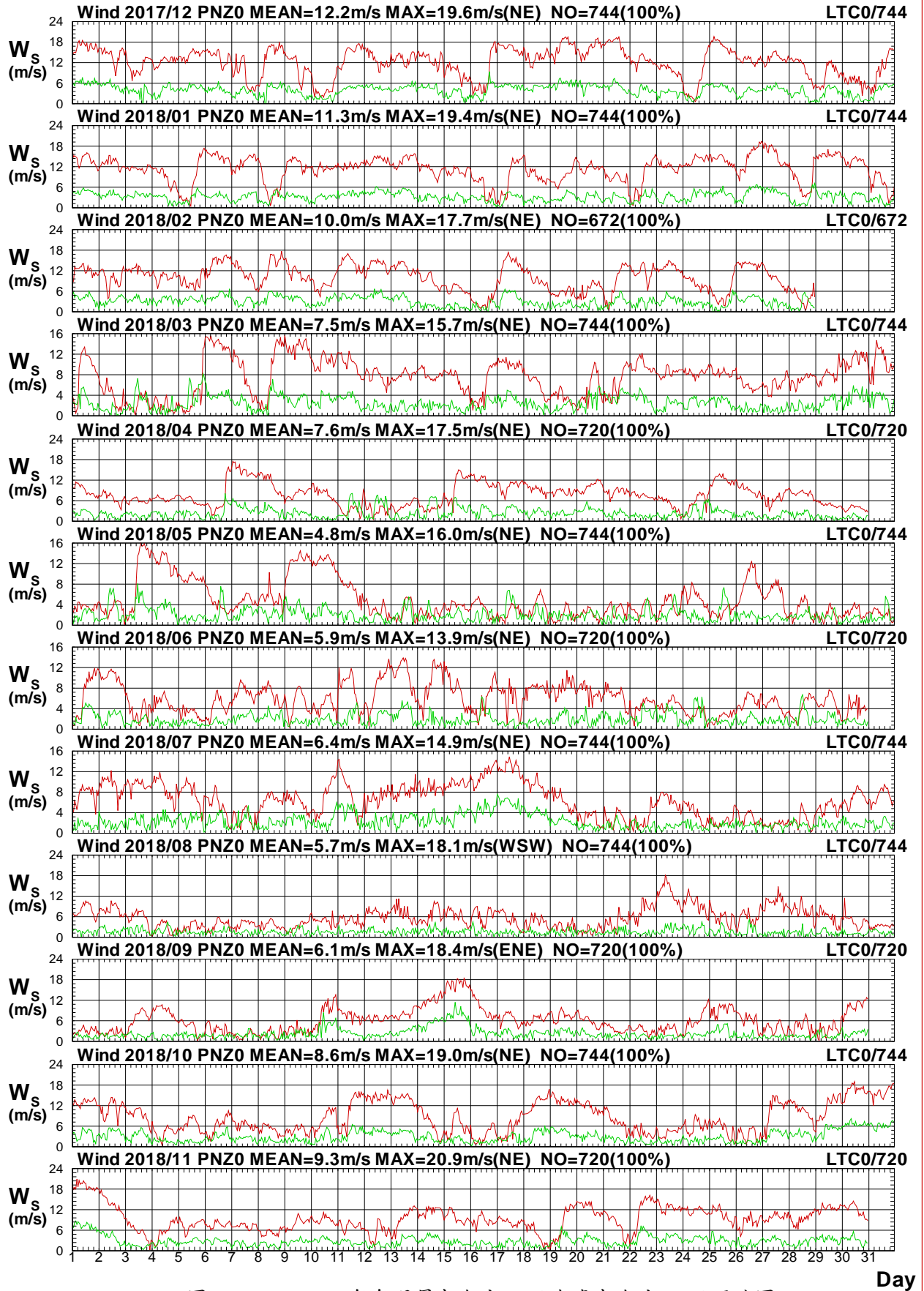


圖1.4.12a 2018年每月屏東海域 Z 站與臺東海域 C 站風速圖

W17CPNZ0.1HA W17CLTC0.1H0 W181PNZ0.1HA W181LTC0.1H0 W182PNZ0.1HA W182LTC0.1H0
 W183PNZ0.1HA W183LTC0.1H0 W184PNZ0.1HA W184LTC0.1H0 W185PNZ0.1HA W185LTC0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

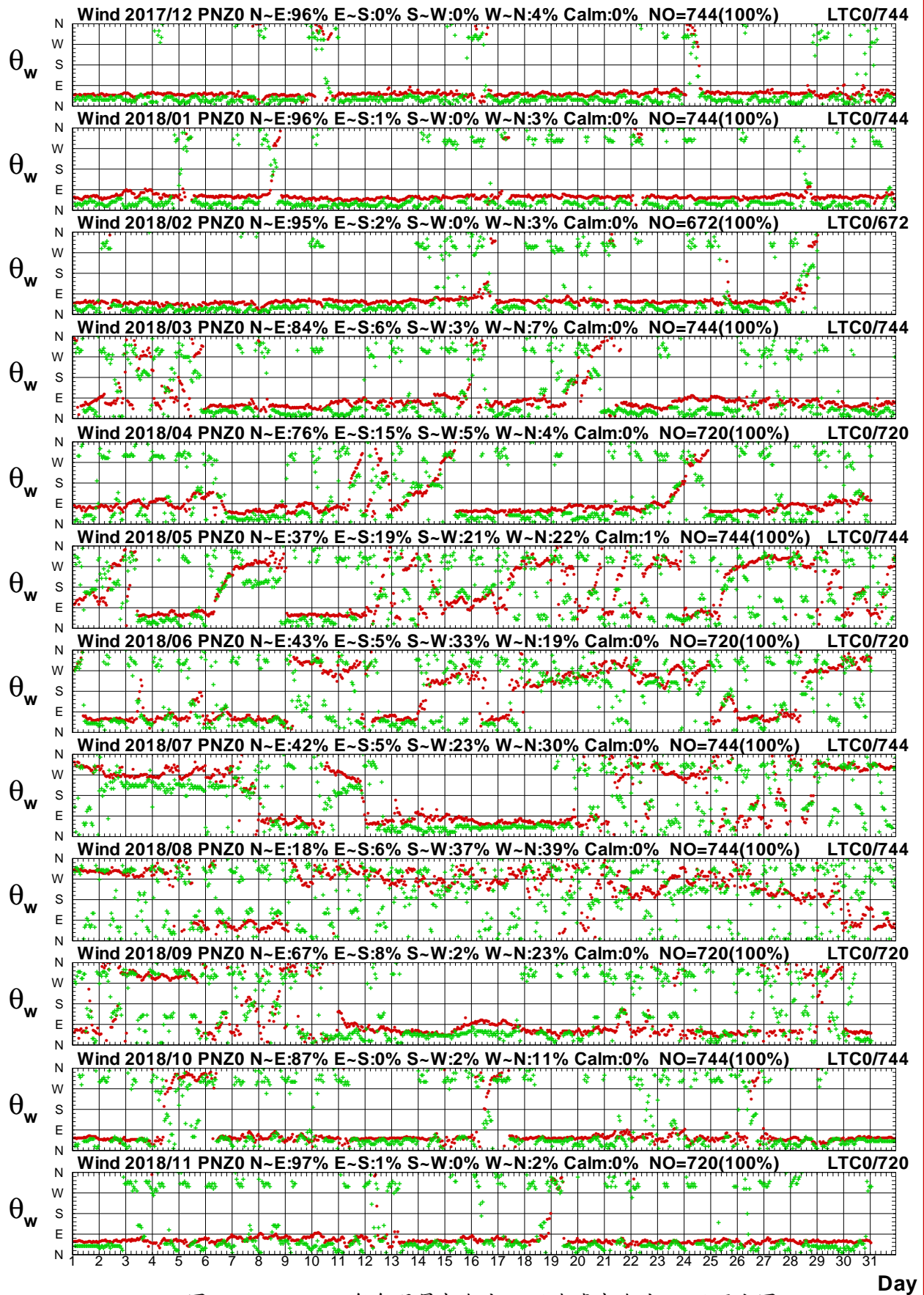


圖1.4.12b 2018年每月屏東海域 Z 站與臺東海域 C 站風向圖

W17CPNZ0.1HA W17CLTC0.1H0 W181PNZ0.1HA W181LTC0.1H0 W182PNZ0.1HA W182LTC0.1H0
 W183PNZ0.1HA W183LTC0.1H0 W184PNZ0.1HA W184LTC0.1H0 W185PNZ0.1HA W185LTC0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

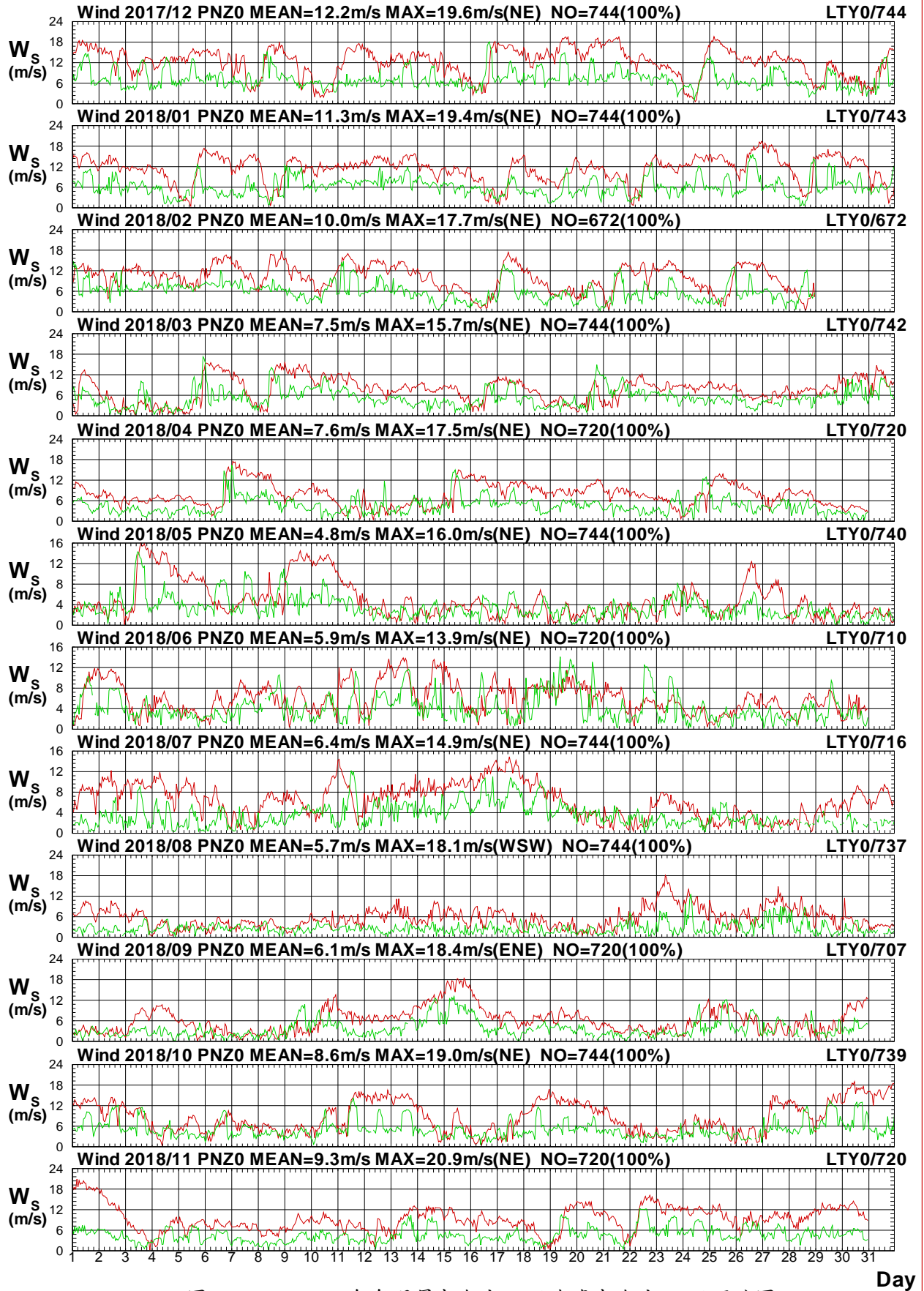


圖1.4.13a 2018年每月屏東海域 Z 站與臺東海域 Y 站風速圖

W17CPNZ0.1HA W17CLTY0.1H0 W181PNZ0.1HA W181LTY0.1H0 W182PNZ0.1HA W182LTY0.1H0
 W183PNZ0.1HA W183LTY0.1H0 W184PNZ0.1HA W184LTY0.1H0 W185PNZ0.1HA W185LTY0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

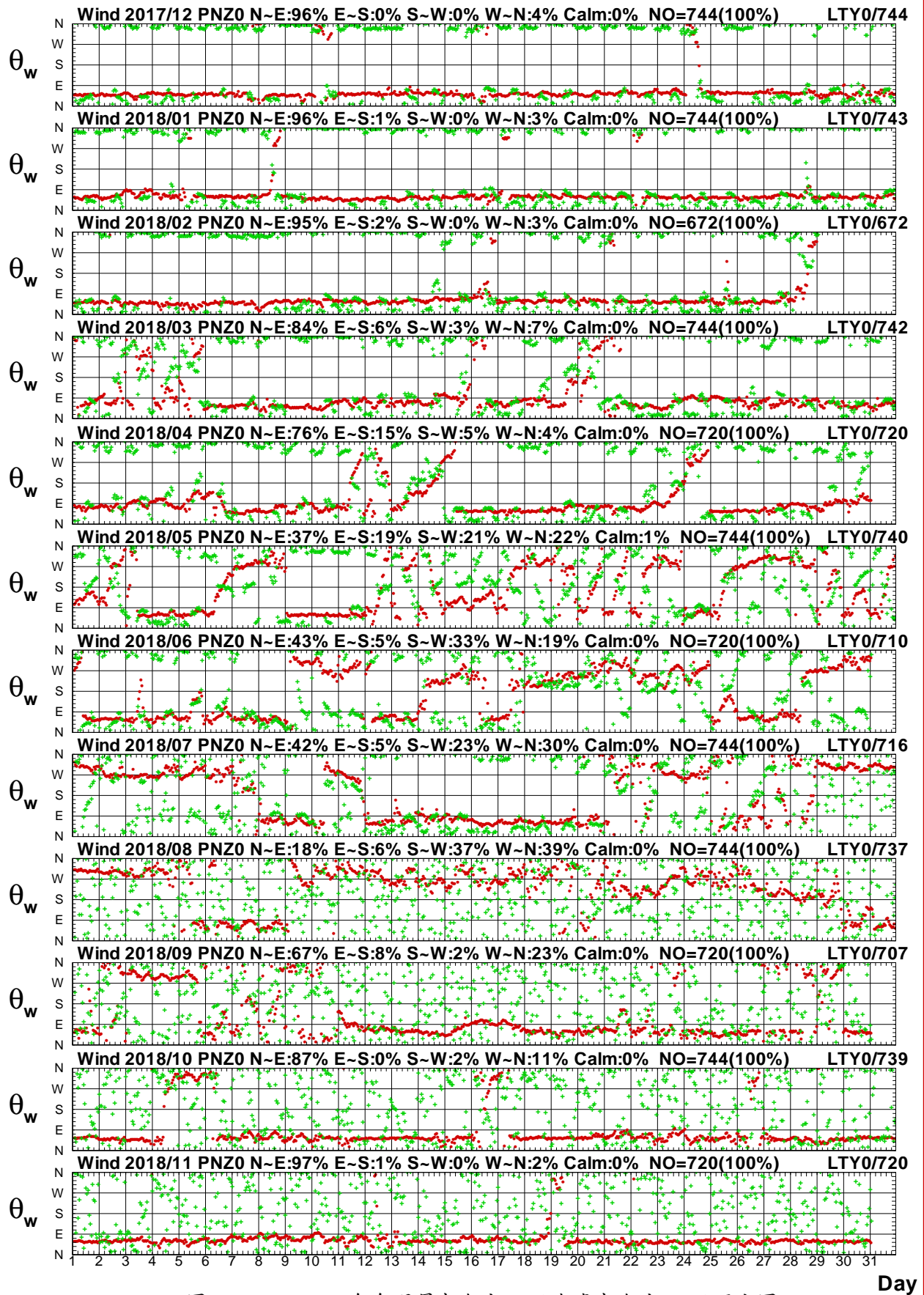


圖 1.4.13b 2018年每月屏東海域 Z 站與臺東海域 Y 站風向圖

W17CPNZ0.1HA W17CLTY0.1H0 W181PNZ0.1HA W181LTY0.1H0 W182PNZ0.1HA W182LTY0.1H0
 W183PNZ0.1HA W183LTY0.1H0 W184PNZ0.1HA W184LTY0.1H0 W185PNZ0.1HA W185LTY0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

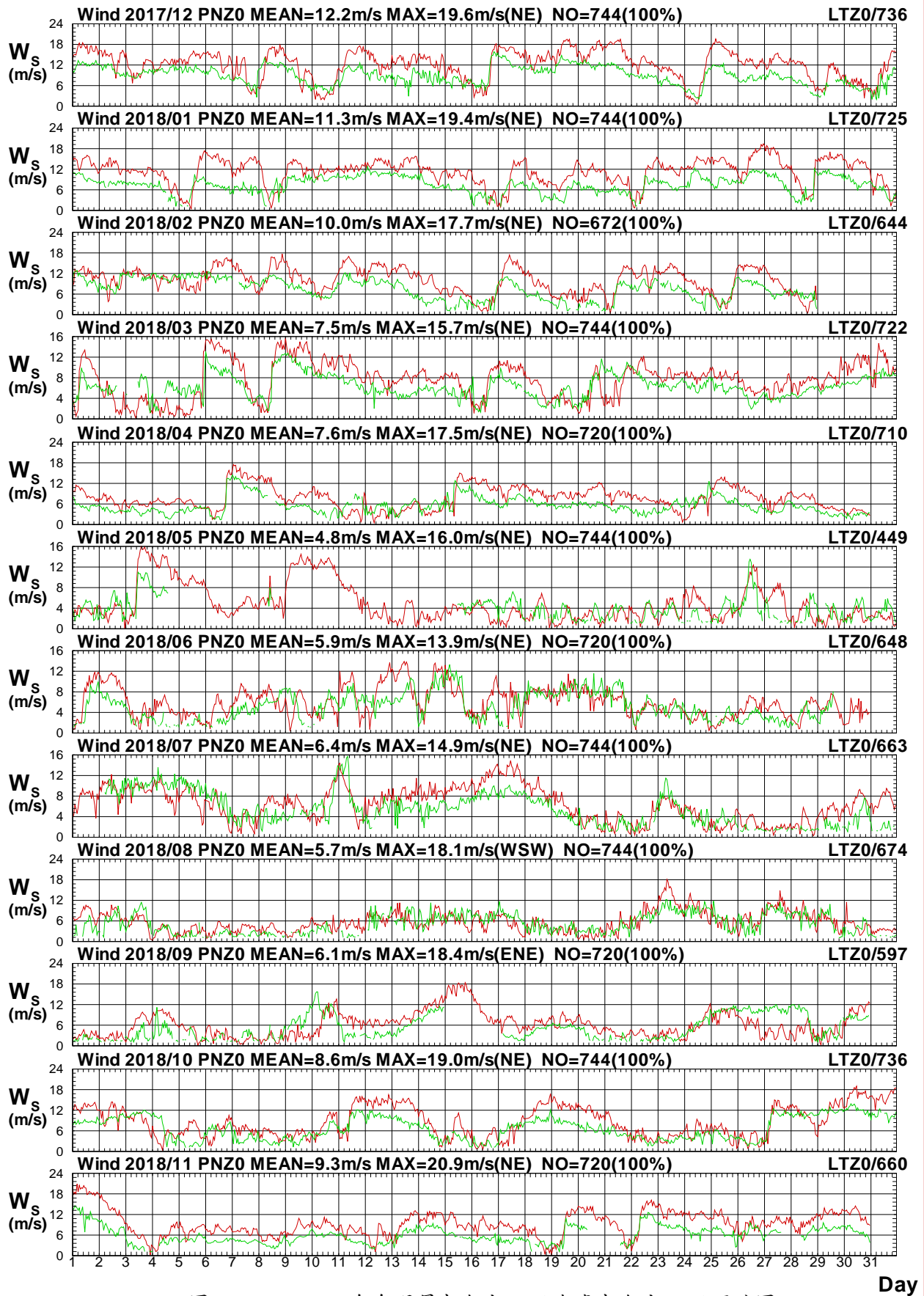


圖1.4.14a 2018年每月屏東海域 Z 站與臺東海域 Z 站風速圖

W17CPNZ0.1HA W17CLTZ0.1H0 W181PNZ0.1HA W181LTZ0.1H0 W182PNZ0.1HA W182LTZ0.1H0
W183PNZ0.1HA W183LTZ0.1H0 W184PNZ0.1HA W184LTZ0.1H0 W185PNZ0.1HA W185LTZ0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

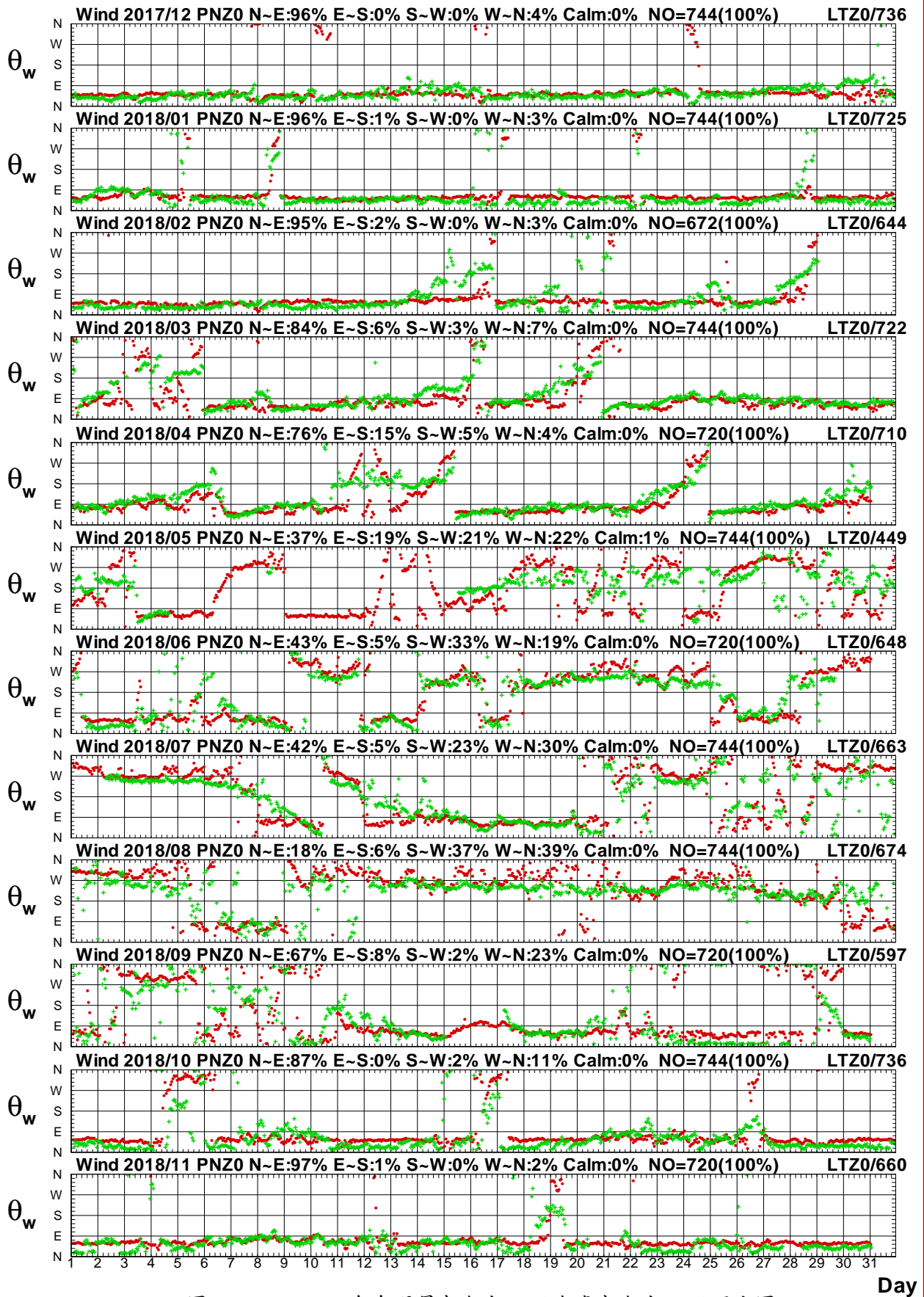


圖 1.4.14b 2018年每月屏東海域 Z 站與臺東海域 Z 站風向圖

W17CPNZ0.1HA W17CLTZ0.1H0 W181PNZ0.1HA W181LTZ0.1H0 W182PNZ0.1HA W182LTZ0.1H0
 W183PNZ0.1HA W183LTZ0.1H0 W184PNZ0.1HA W184LTZ0.1H0 W185PNZ0.1HA W185LTZ0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

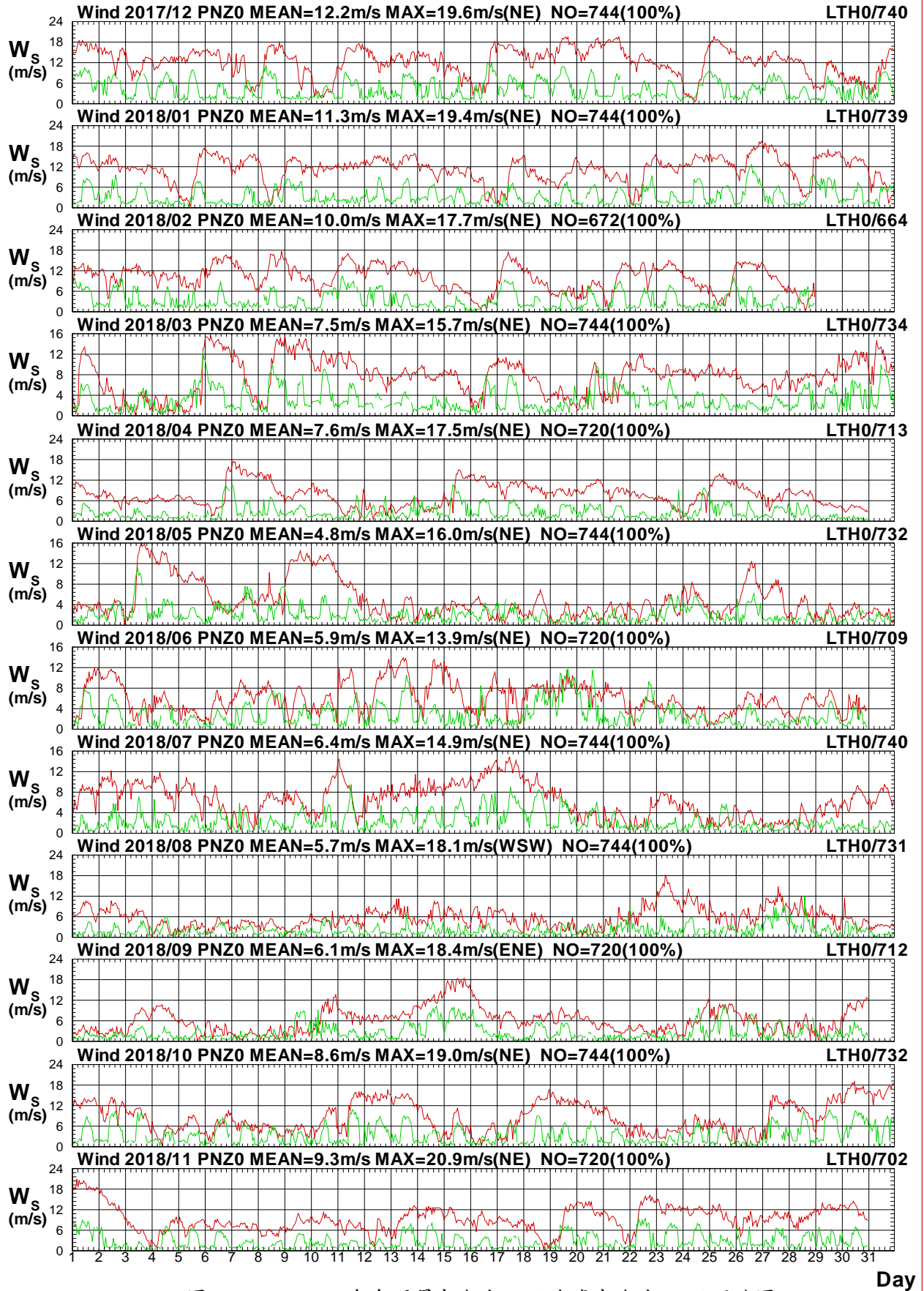


圖1.4.15a 2018年每月屏東海域 Z 站與臺東海域 H 站風速圖

W17CPNZ0.1HA W17CLTH0.1H0 W181PNZ0.1HA W181LTH0.1H0 W182PNZ0.1HA W182LTH0.1H0
 W183PNZ0.1HA W183LTH0.1H0 W184PNZ0.1HA W184LTH0.1H0 W185PNZ0.1HA W185LTH0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

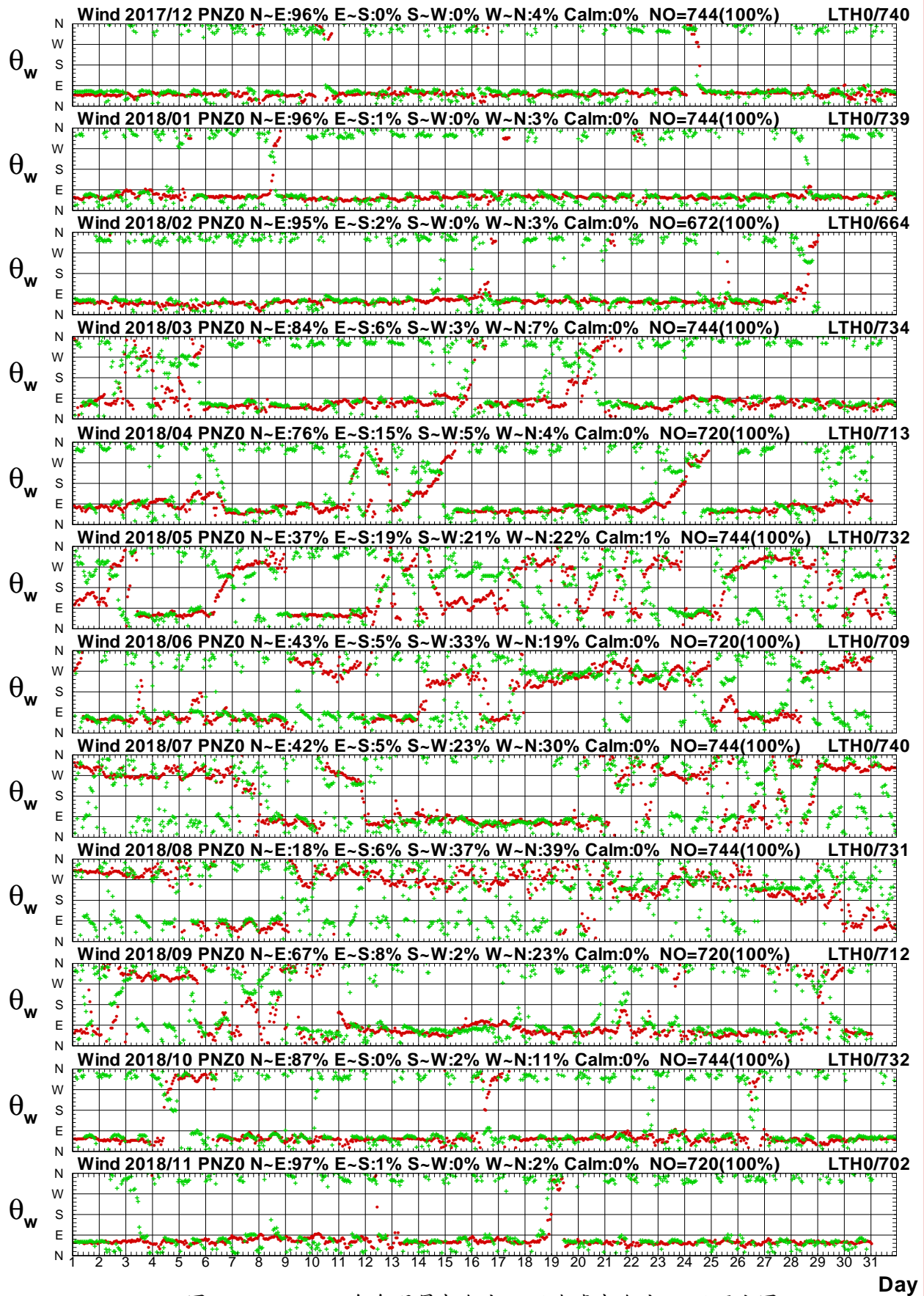


圖 1.4.15b 2018 年每月屏東海域 Z 站與臺東海域 H 站風向圖

W17CPNZ0.1HA W17CLTH0.1H0 W181PNZ0.1HA W181LTH0.1H0 W182PNZ0.1HA W182LTH0.1H0
W183PNZ0.1HA W183LTH0.1H0 W184PNZ0.1HA W184LTH0.1H0 W185PNZ0.1HA W185LTH0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

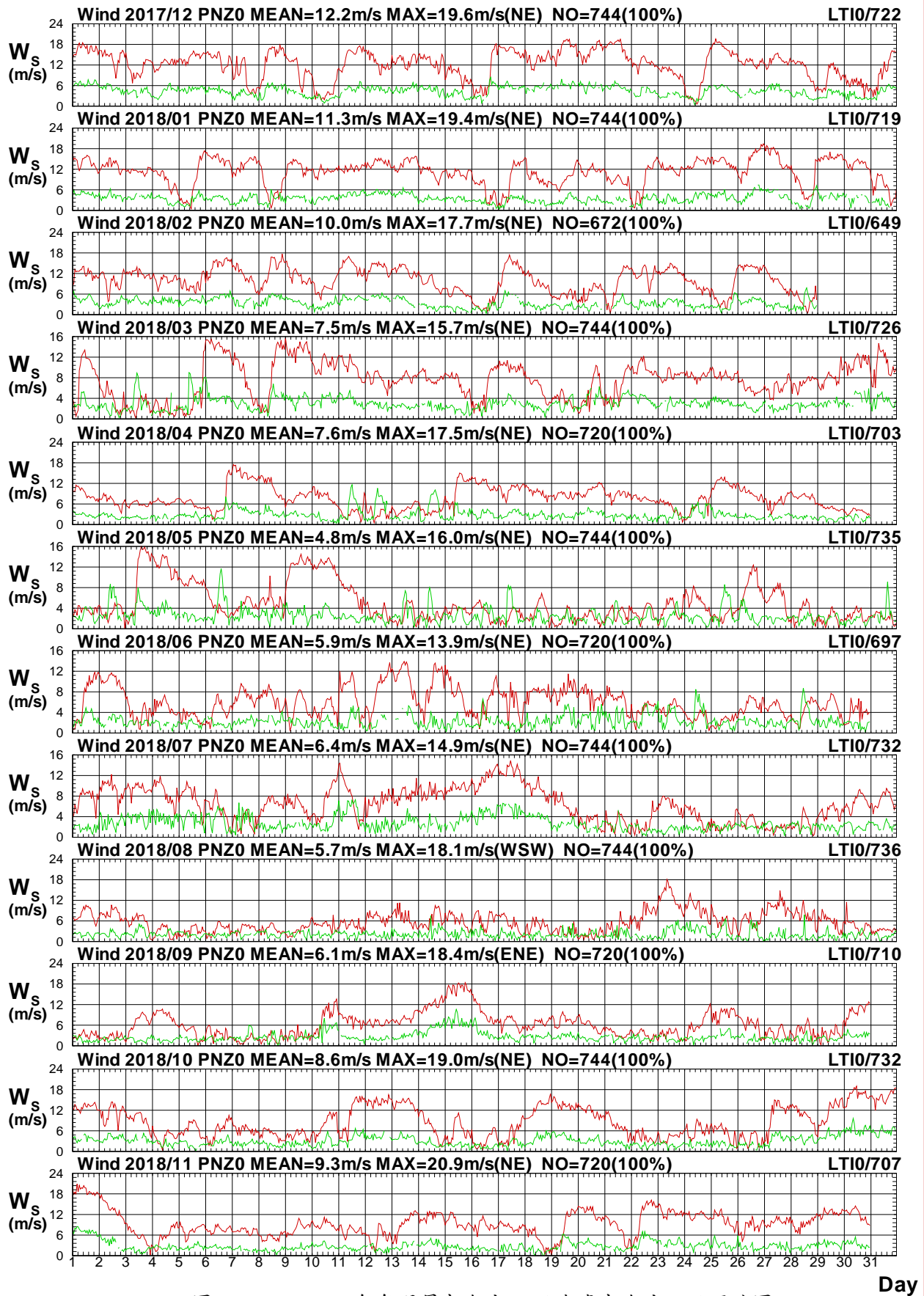


圖1.4.16a 2018年每月屏東海域 Z 站與臺東海域 I 站風速圖

W17CPNZ0.1HA W17CLTI0.1H0 W181PNZ0.1HA W181LTI0.1H0 W182PNZ0.1HA W182LTI0.1H0
 W183PNZ0.1HA W183LTI0.1H0 W184PNZ0.1HA W184LTI0.1H0 W185PNZ0.1HA W185LTI0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

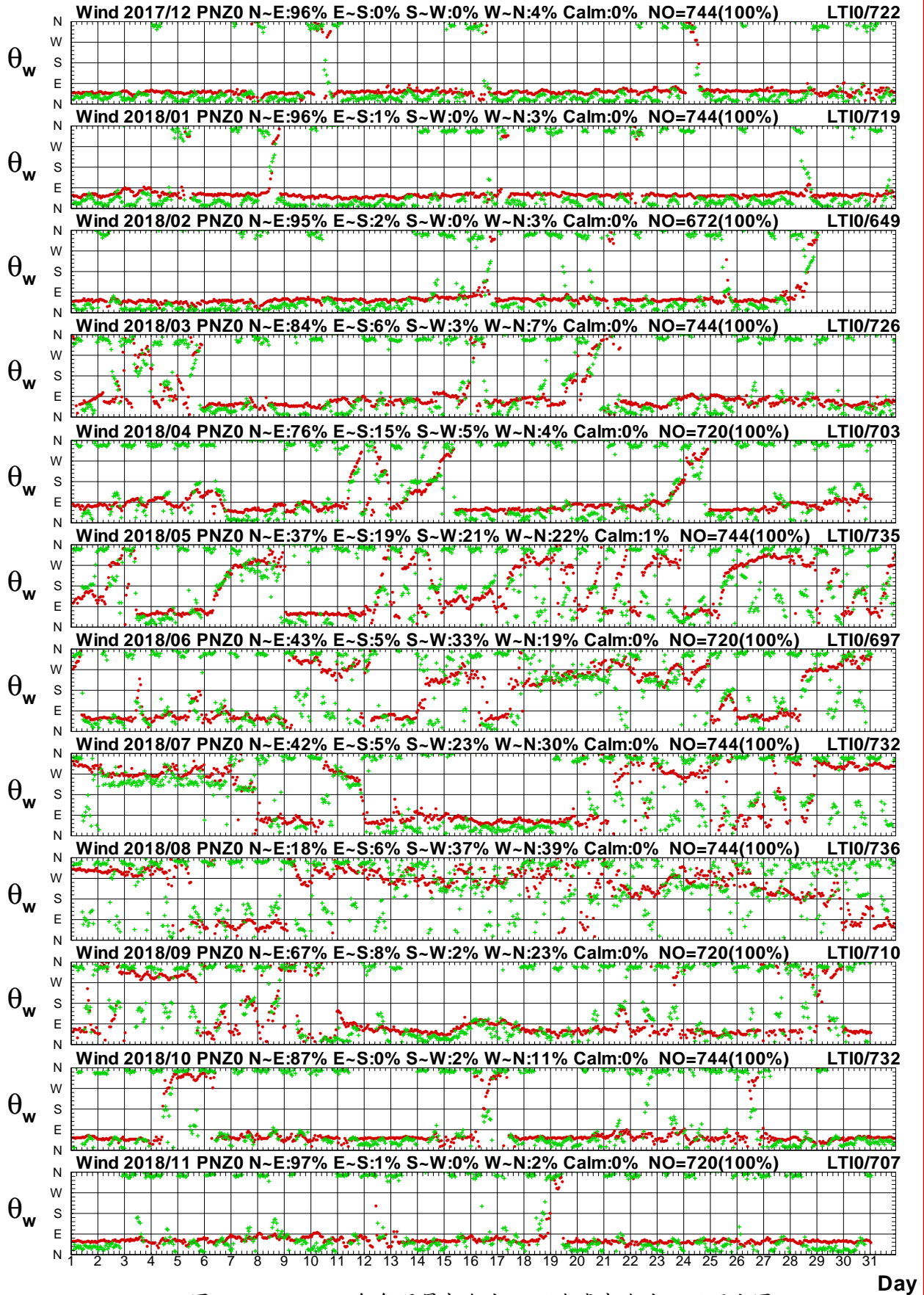


圖1.4.16b 2018年每月屏東海域 Z 站與臺東海域 I 站風向圖

W17CPNZ0.1HA W17CLTI0.1H0 W181PNZ0.1HA W181LTI0.1H0 W182PNZ0.1HA W182LTI0.1H0
W183PNZ0.1HA W183LTI0.1H0 W184PNZ0.1HA W184LTI0.1H0 W185PNZ0.1HA W185LTI0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

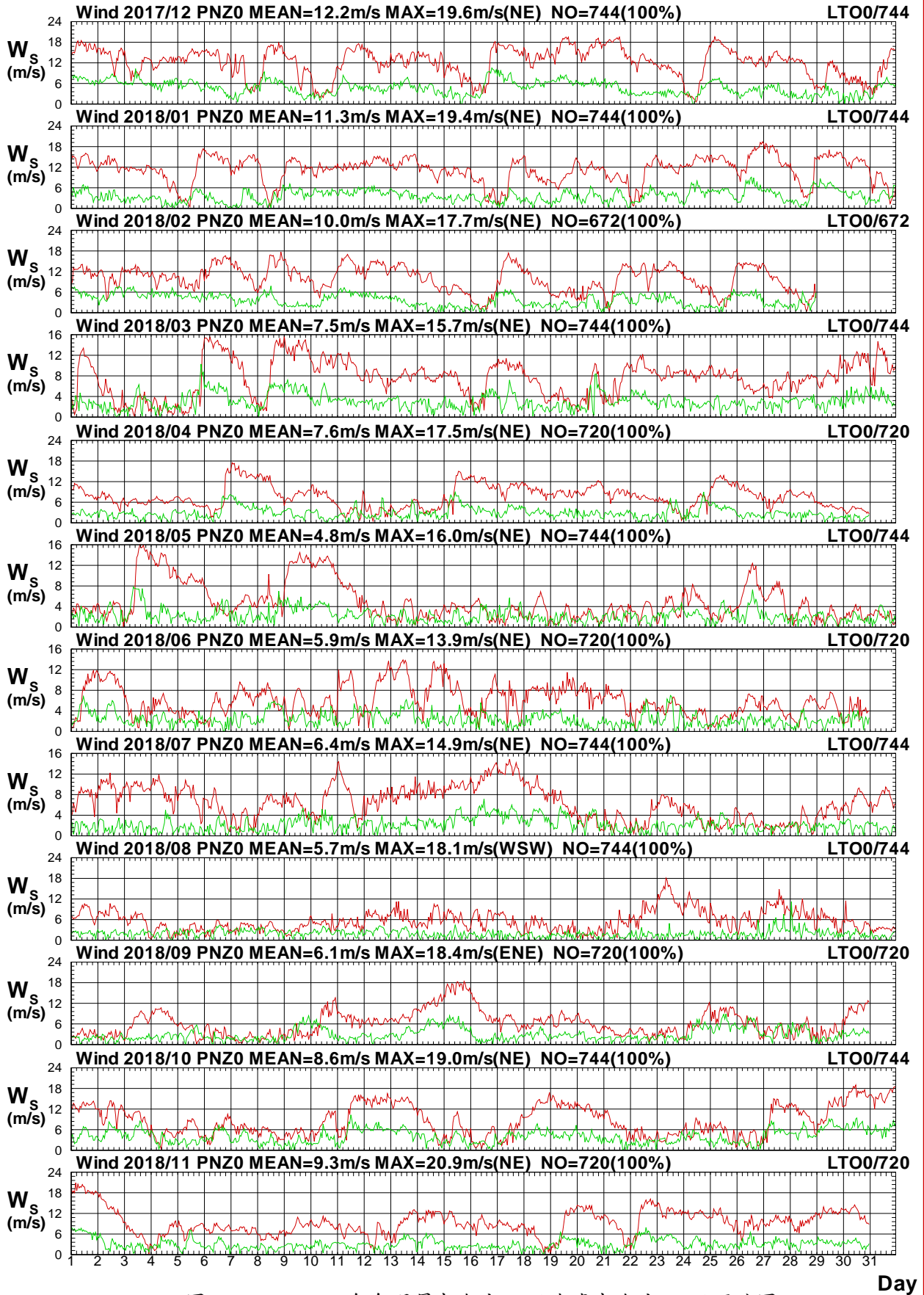


圖1.4.17a 2018年每月屏東海域 Z 站與臺東海域 O 站風速圖

W17CPNZ0.1HA W17CLTO0.1H0 W181PNZ0.1HA W181LTO0.1H0 W182PNZ0.1HA W182LTO0.1H0
W183PNZ0.1HA W183LTO0.1H0 W184PNZ0.1HA W184LTO0.1H0 W185PNZ0.1HA W185LTO0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

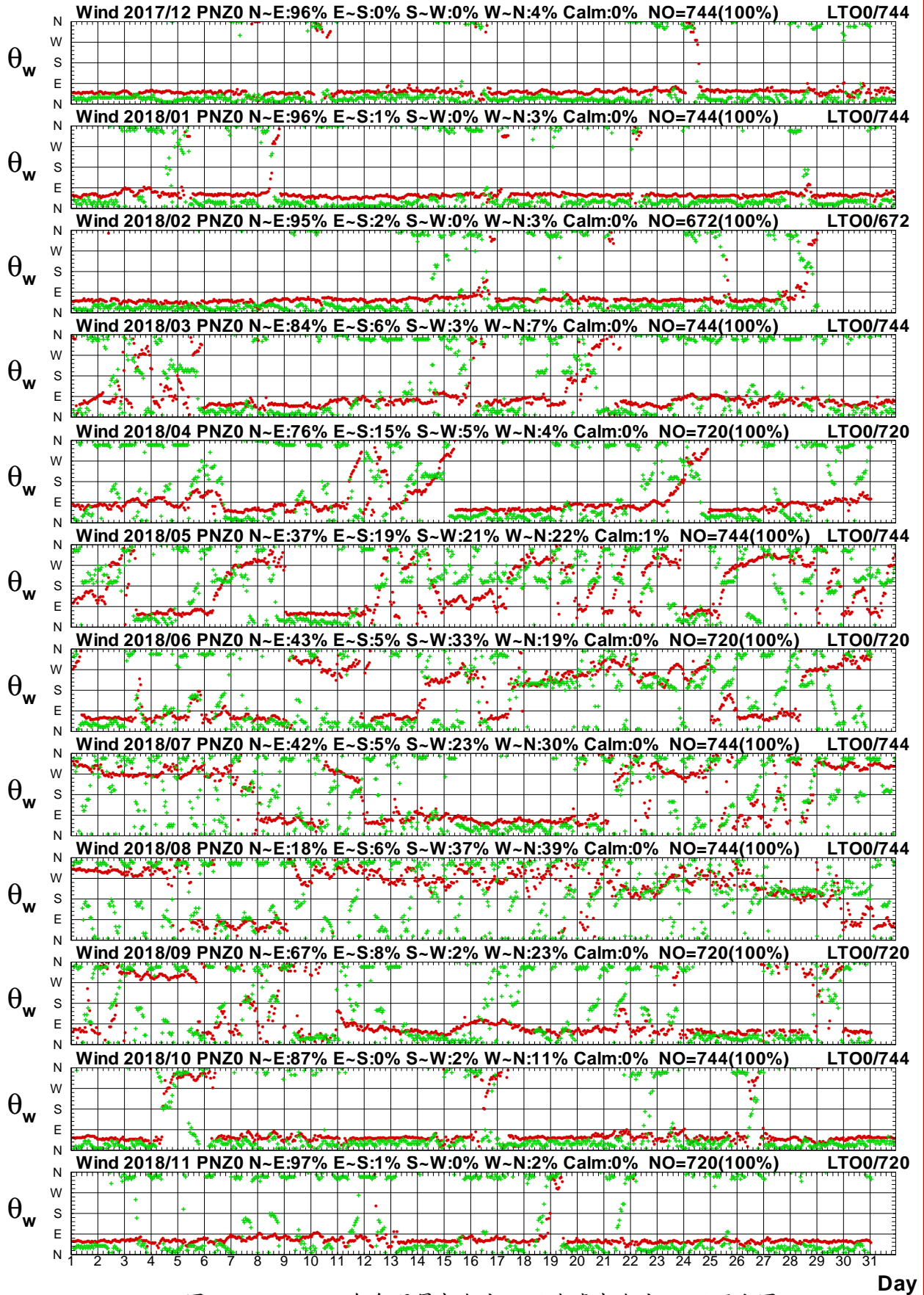


圖1.4.17b 2018年每月屏東海域 Z 站與臺東海域 O 站風向圖

W17CPNZ0.1HA W17CLTO0.1H0 W181PNZ0.1HA W181LTO0.1H0 W182PNZ0.1HA W182LTO0.1H0
 W183PNZ0.1HA W183LTO0.1H0 W184PNZ0.1HA W184LTO0.1H0 W185PNZ0.1HA W185LTO0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

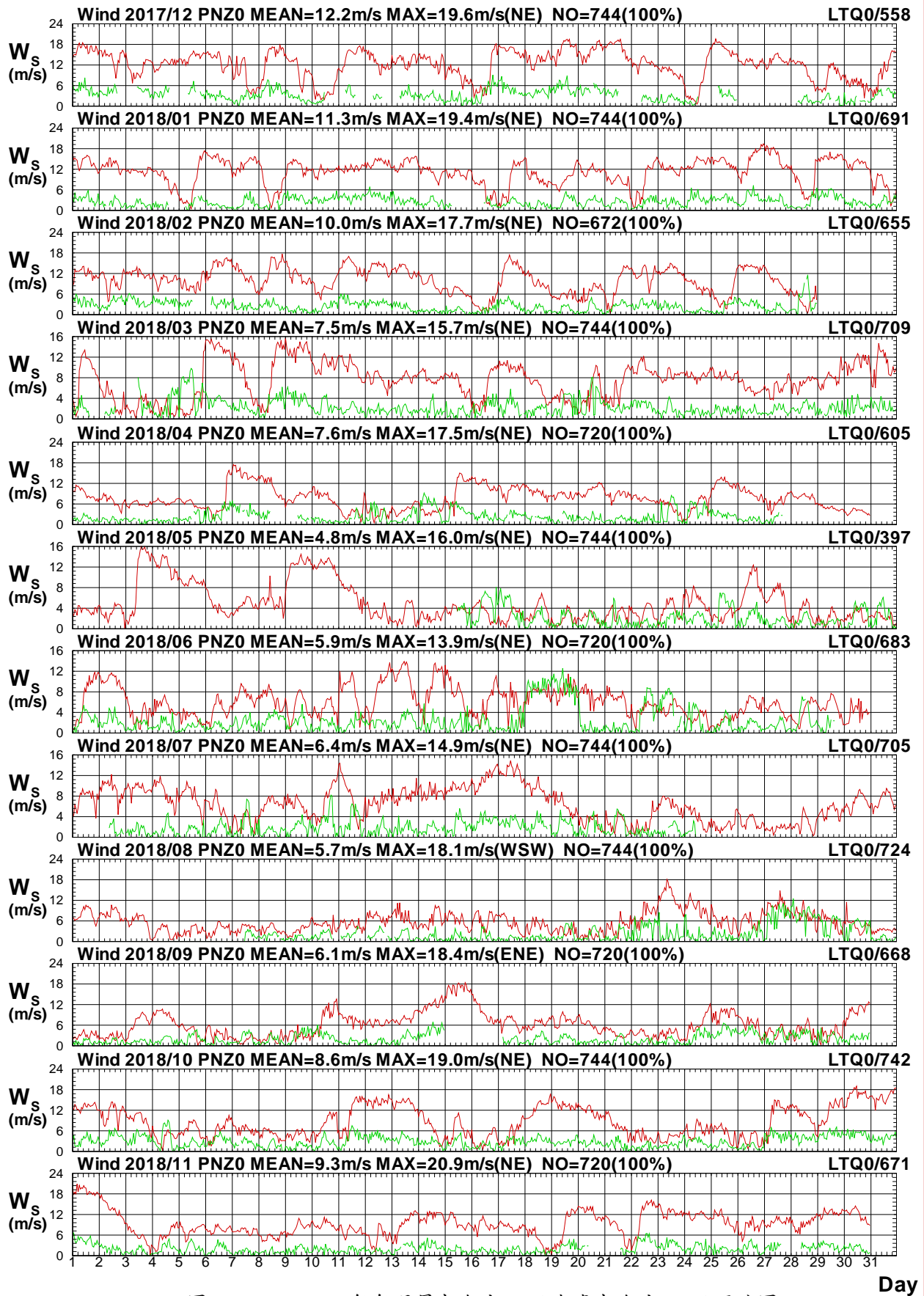


圖1.4.18a 2018年每月屏東海域 Z 站與臺東海域 Q 站風速圖

W17CPNZ0.1HA W17CLTQ0.1H0 W181PNZ0.1HA W181LTQ0.1H0 W182PNZ0.1HA W182LTQ0.1H0
 W183PNZ0.1HA W183LTQ0.1H0 W184PNZ0.1HA W184LTQ0.1H0 W185PNZ0.1HA W185LTQ0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

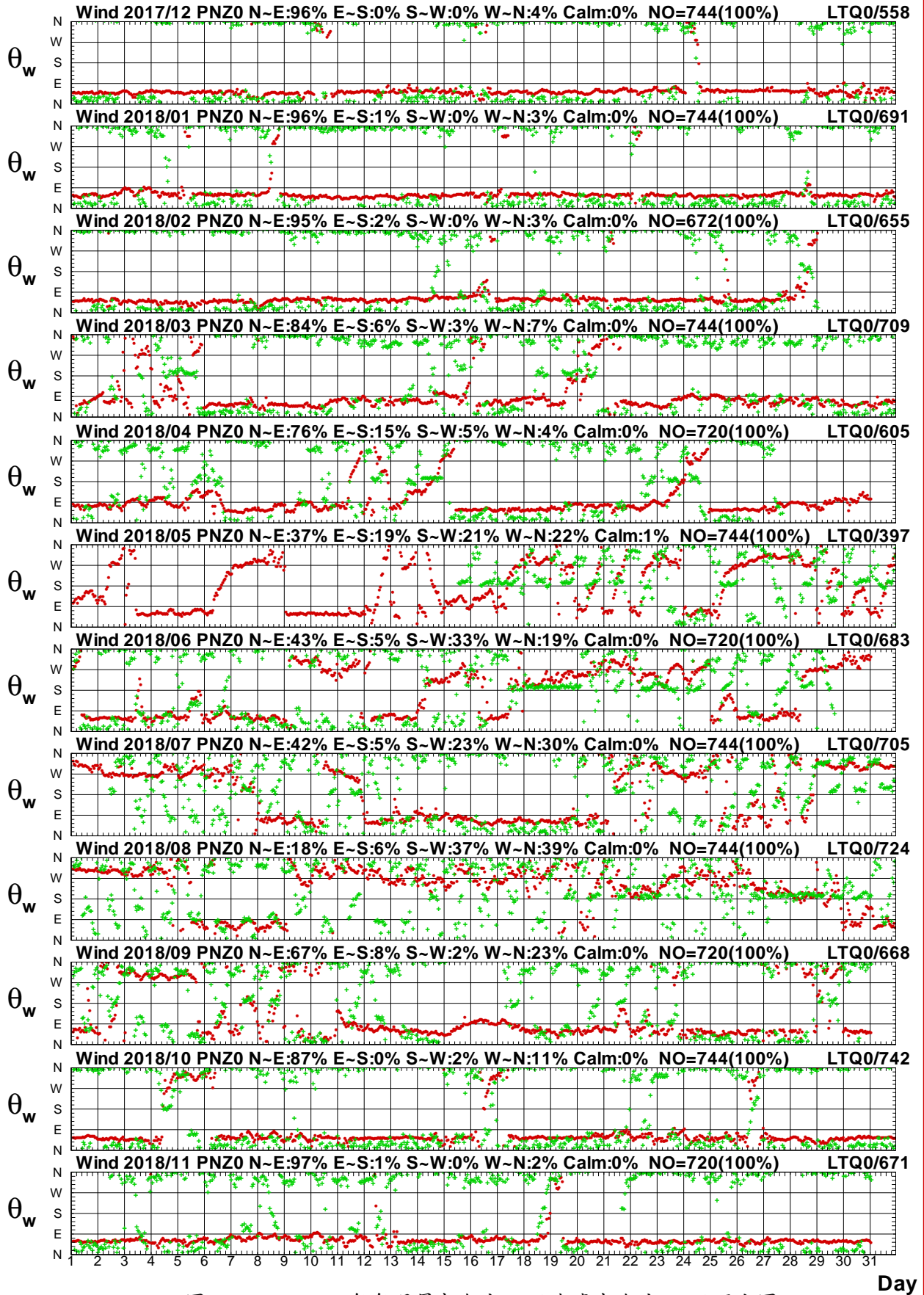


圖1.4.18b 2018年每月屏東海域 Z 站與臺東海域 Q 站風向圖

W17CPNZ0.1HA W17CLTQ0.1H0 W181PNZ0.1HA W181LTQ0.1H0 W182PNZ0.1HA W182LTQ0.1H0
 W183PNZ0.1HA W183LTQ0.1H0 W184PNZ0.1HA W184LTQ0.1H0 W185PNZ0.1HA W185LTQ0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

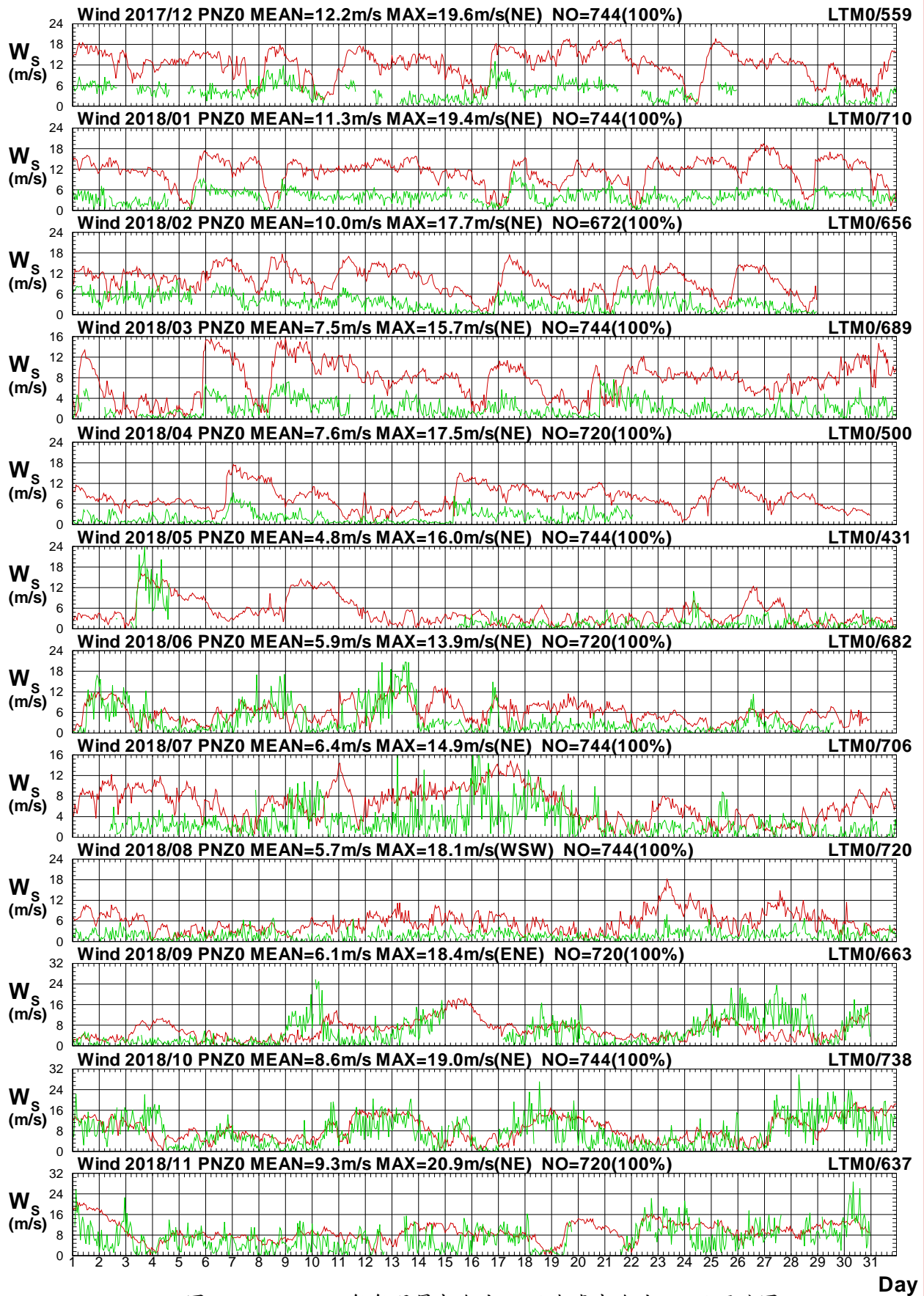


圖1.4.19a 2018年每月屏東海域 Z 站與臺東海域 M 站風速圖

W17CPNZ0.1HA W17CLTM0.1H0 W181PNZ0.1HA W181LTM0.1H0 W182PNZ0.1HA W182LTM0.1H0
 W183PNZ0.1HA W183LTM0.1H0 W184PNZ0.1HA W184LTM0.1H0 W185PNZ0.1HA W185LTM0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

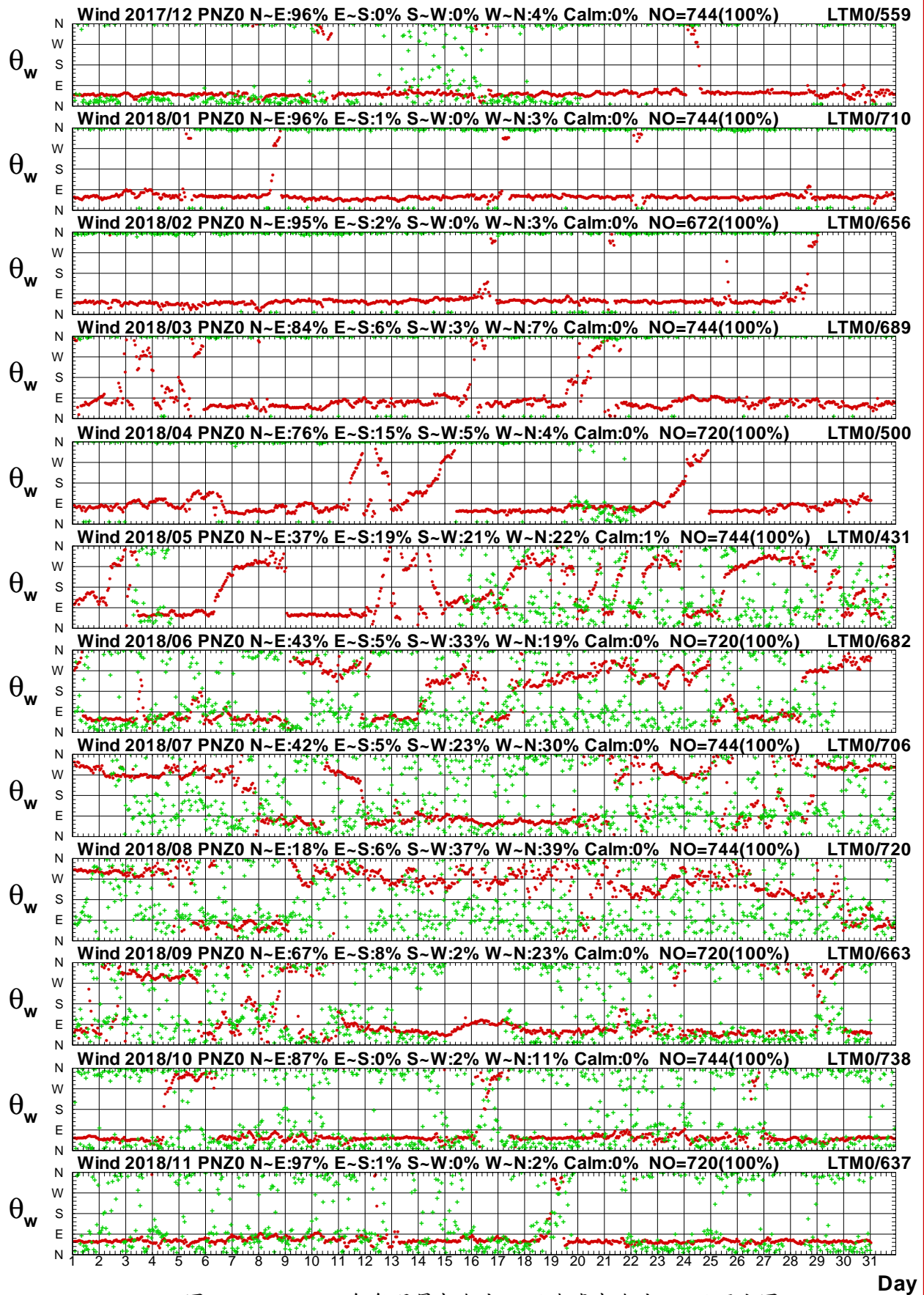


圖1.4.19b 2018年每月屏東海域 Z 站與臺東海域 M 站風向圖

W17CPNZ0.1HA W17CLTM0.1HO W181PNZ0.1HA W181LTM0.1HO W182PNZ0.1HA W182LTM0.1HO
 W183PNZ0.1HA W183LTM0.1HO W184PNZ0.1HA W184LTM0.1HO W185PNZ0.1HA W185LTM0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

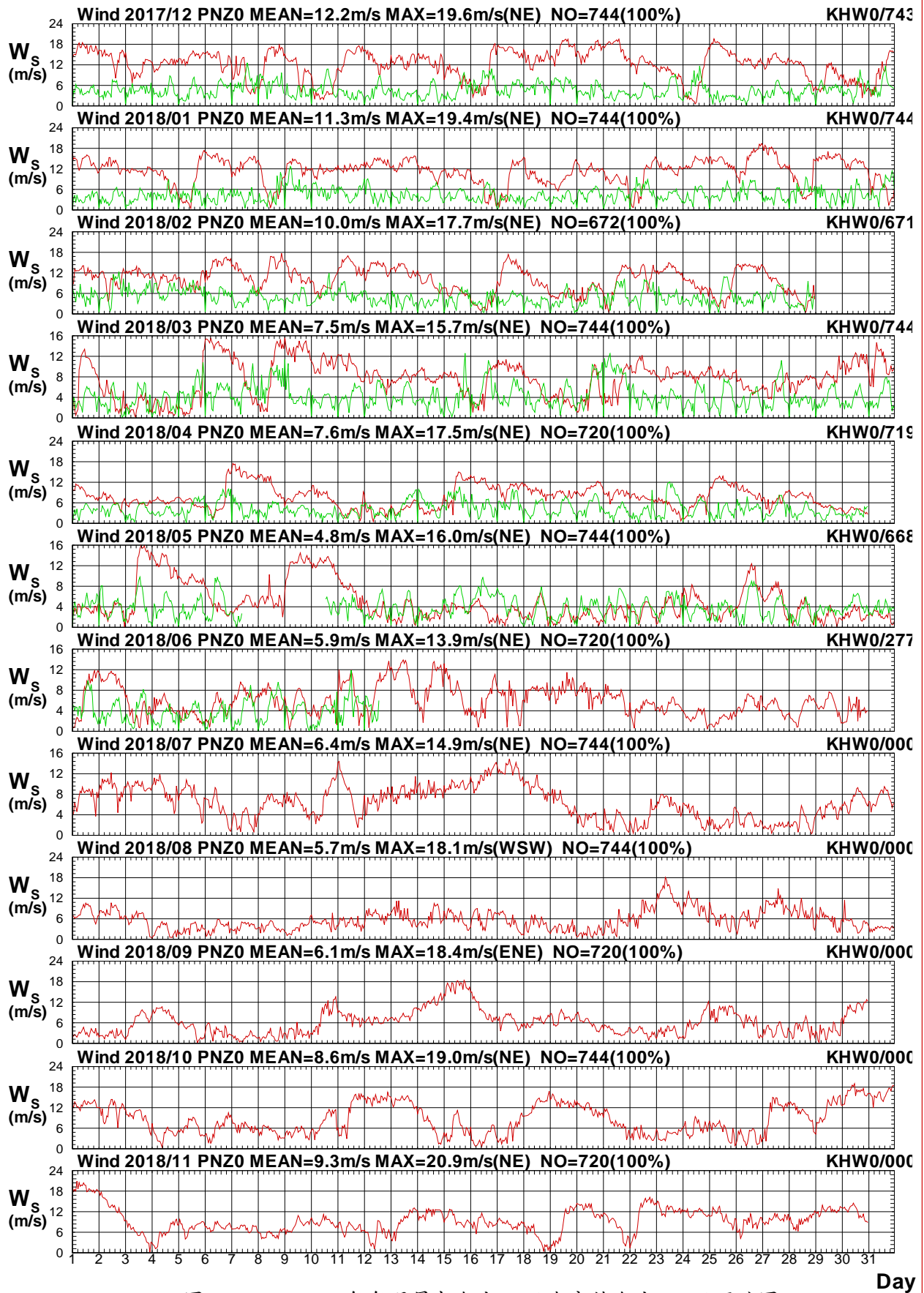


圖1.4.20a 2018年每月屏東海域 Z 站與高雄海域 W 站風速圖

W17CPNZ0.1HA W17CKHW0.1H0 W181PNZ0.1HA W181KHW0.1H0 W182PNZ0.1HA W182KHW0.1H0
 W183PNZ0.1HA W183KHW0.1H0 W184PNZ0.1HA W184KHW0.1H0 W185PNZ0.1HA W185KHW0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

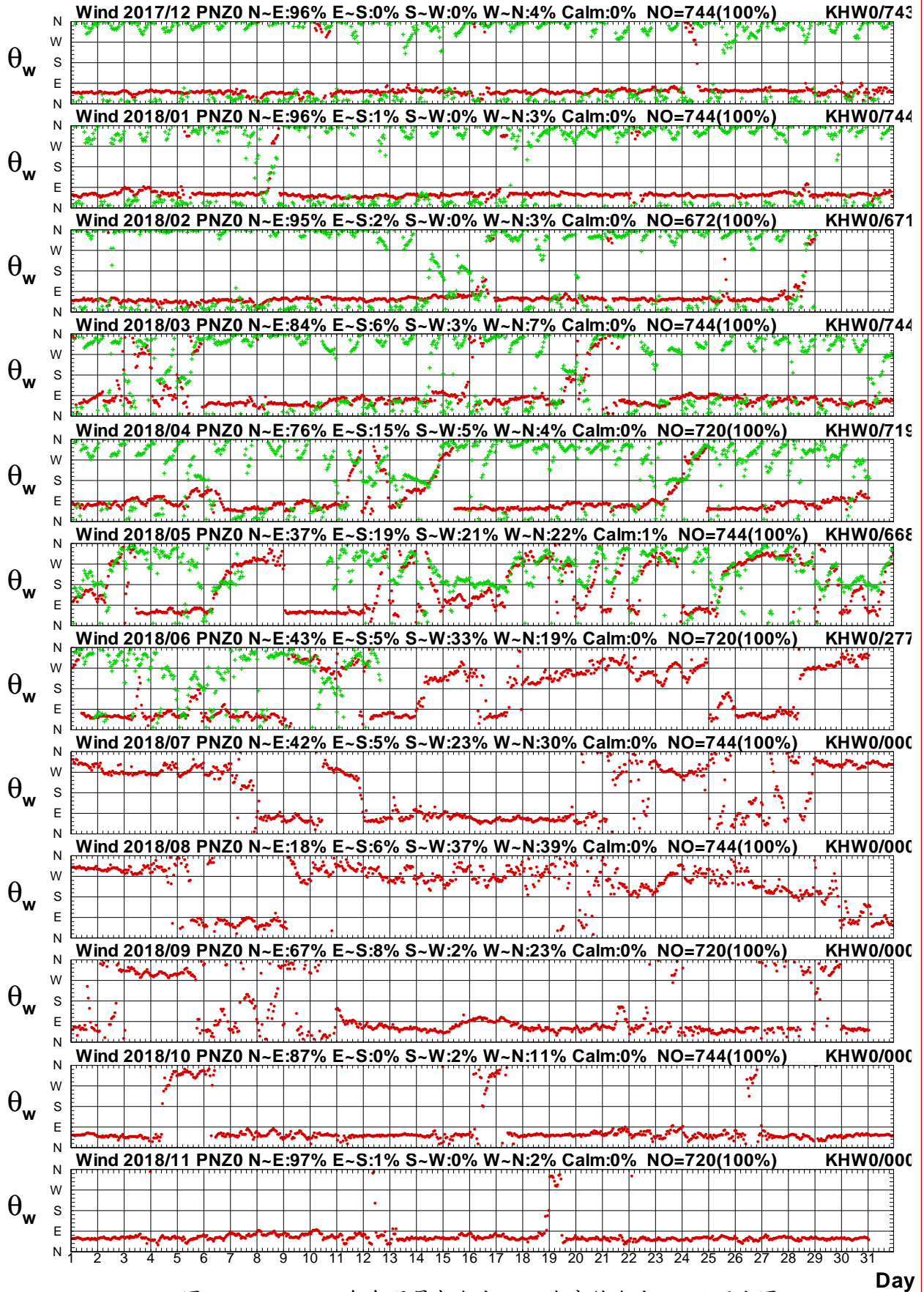


圖 1.4.20b 2018 年每月屏東海域 Z 站與高雄海域 W 站風向圖

W17CPNZ0.1HA W17CKHW0.1HO W181PNZ0.1HA W181KHW0.1HO W182PNZ0.1HA W182KHW0.1HO
 W183PNZ0.1HA W183KHW0.1HO W184PNZ0.1HA W184KHW0.1HO W185PNZ0.1HA W185KHW0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

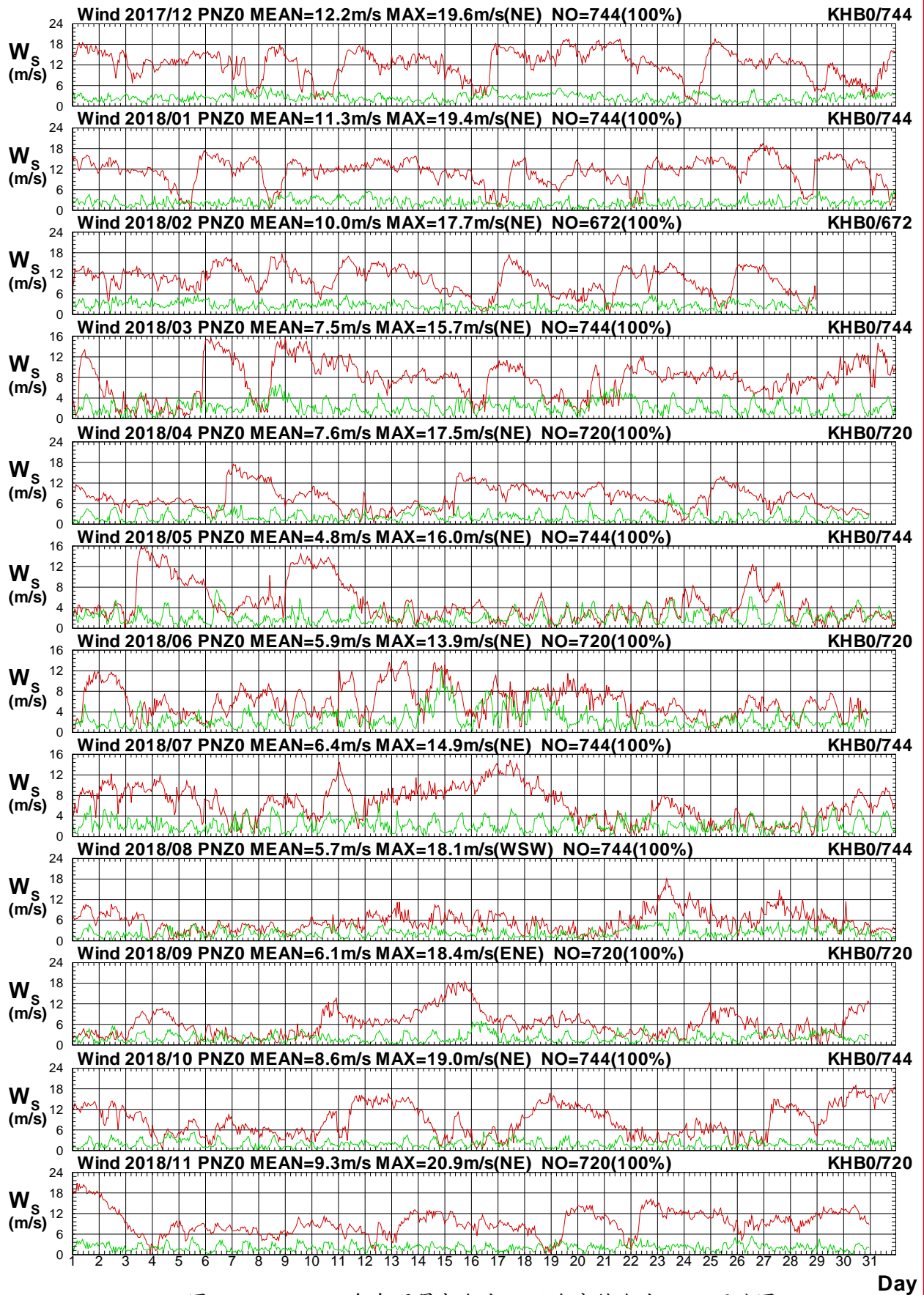


圖1.4.21a 2018年每月屏東海域 Z 站與高雄海域 B 站風速圖

W17CPNZ0.1HA W17CKHB0.1HO W181PNZ0.1HA W181KHB0.1HO W182PNZ0.1HA W182KHB0.1HO
 W183PNZ0.1HA W183KHB0.1HO W184PNZ0.1HA W184KHB0.1HO W185PNZ0.1HA W185KHB0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

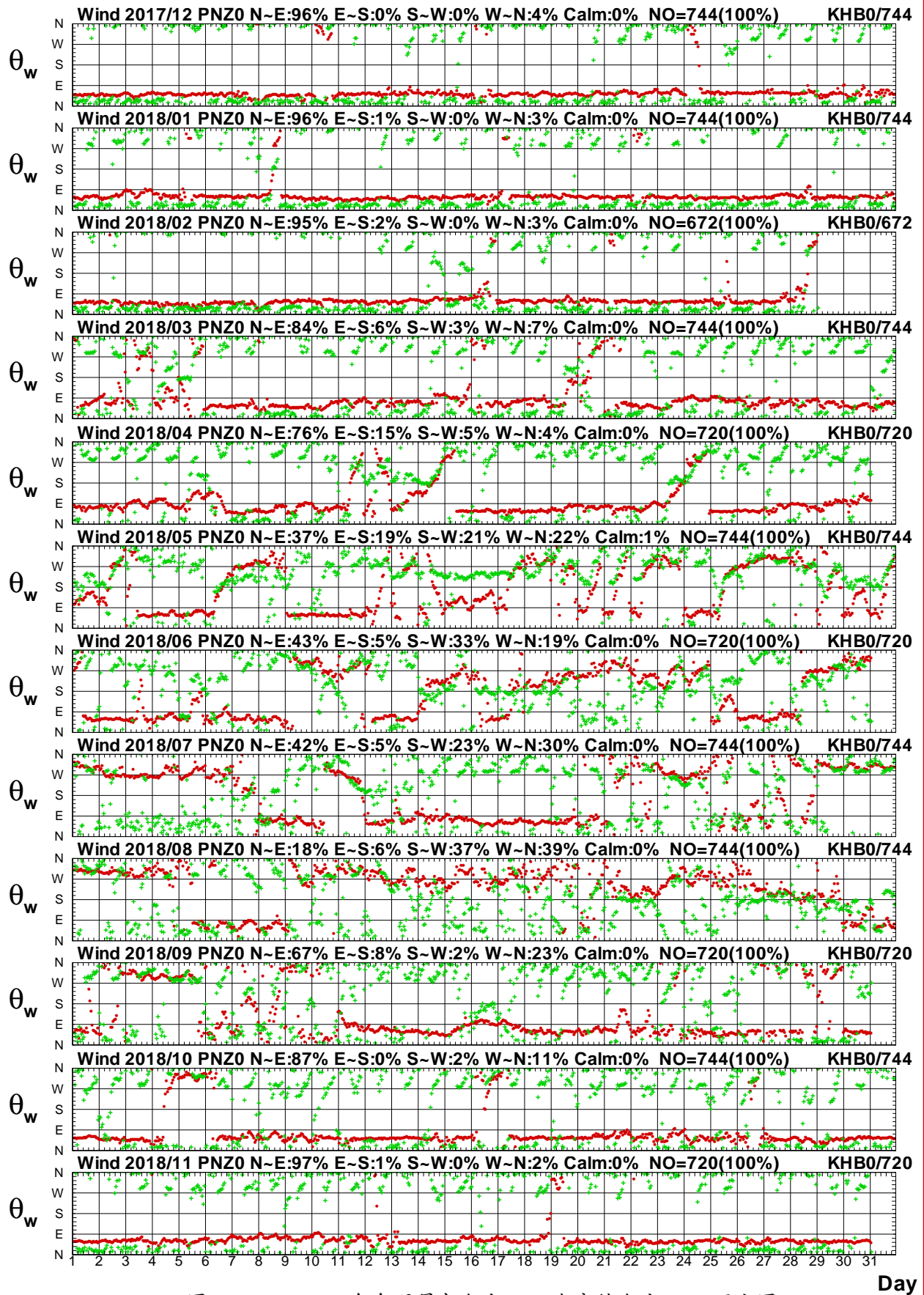


圖1.4.21b 2018年每月屏東海域 Z 站與高雄海域 B 站風向圖

W17CPNZ0.1HA W17CKHB0.1HO W181PNZ0.1HA W181KHB0.1HO W182PNZ0.1HA W182KHB0.1HO
W183PNZ0.1HA W183KHB0.1HO W184PNZ0.1HA W184KHB0.1HO W185PNZ0.1HA W185KHB0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

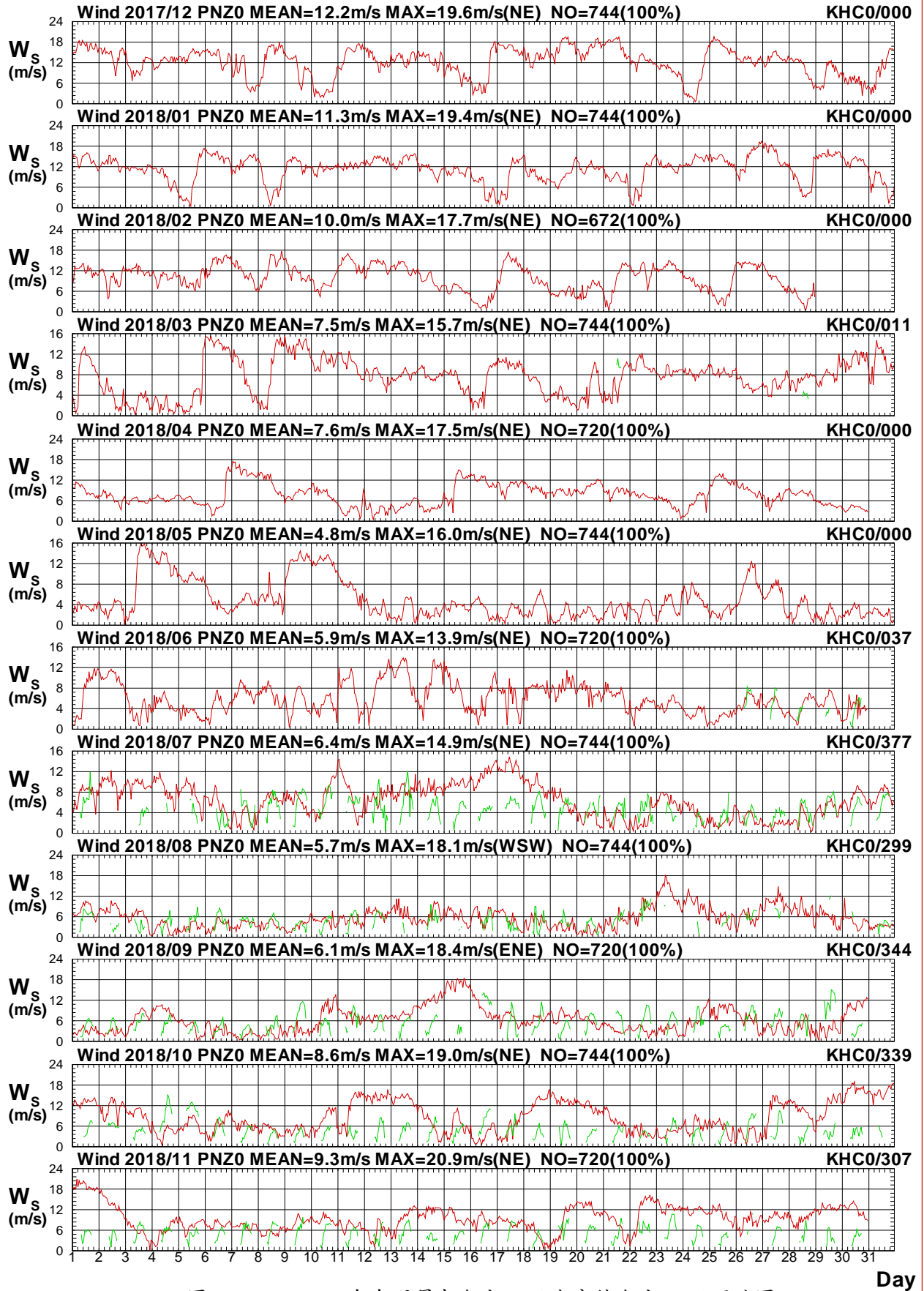


圖1.4.22a 2018年每月屏東海域 Z 站與高雄海域 C 站風速圖

W17CPNZ0.1HA W17CKHC0.1H0 W181PNZ0.1HA W181KHC0.1H0 W182PNZ0.1HA W182KHC0.1H0
 W183PNZ0.1HA W183KHC0.1H0 W184PNZ0.1HA W184KHC0.1H0 W185PNZ0.1HA W185KHC0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

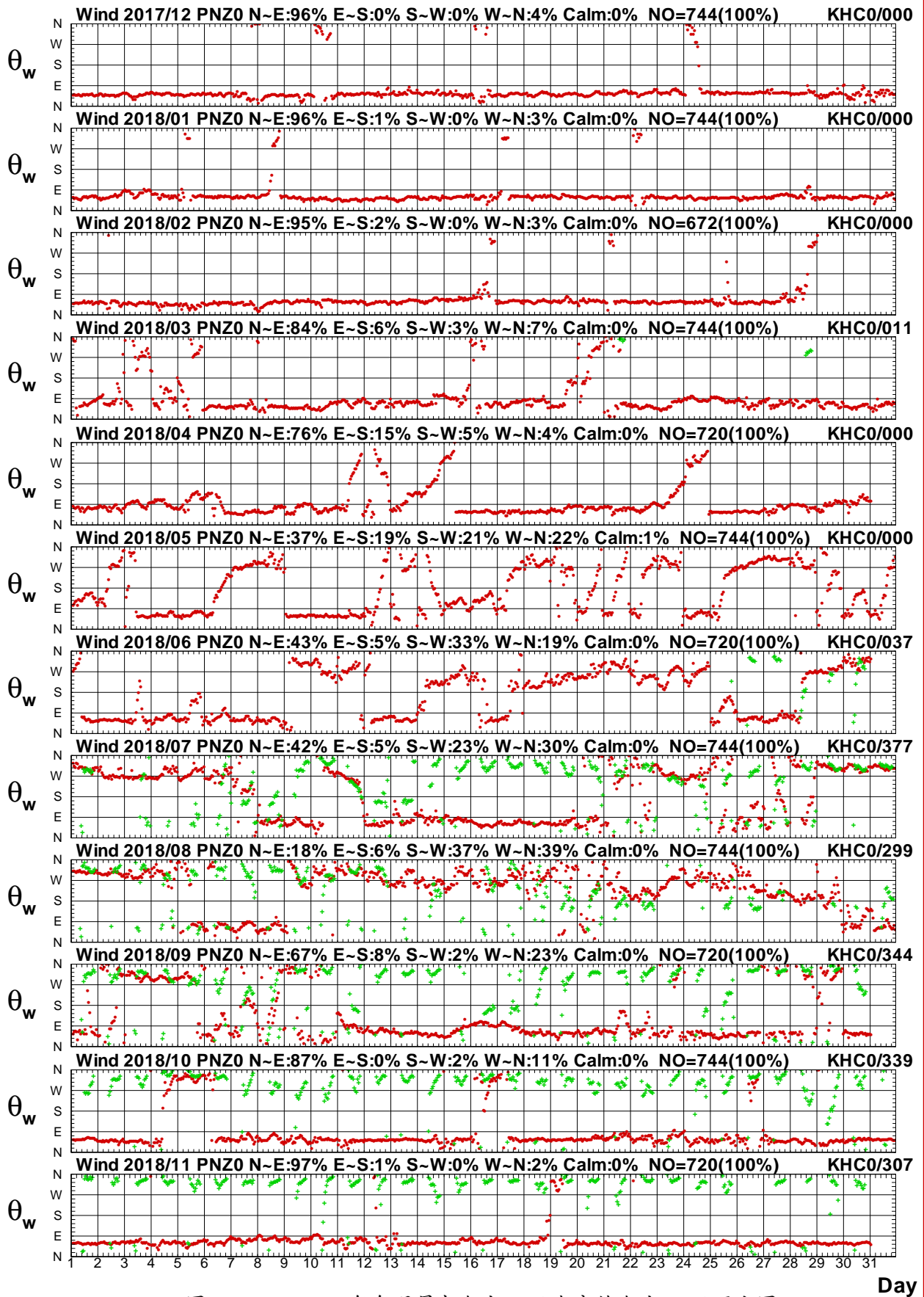


圖1.4.22b 2018年每月屏東海域 Z 站與高雄海域 C 站風向圖

W17CPNZ0.1HA W17CKHC0.1H0 W181PNZ0.1HA W181KHC0.1H0 W182PNZ0.1HA W182KHC0.1H0
 W183PNZ0.1HA W183KHC0.1H0 W184PNZ0.1HA W184KHC0.1H0 W185PNZ0.1HA W185KHC0.1H0

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

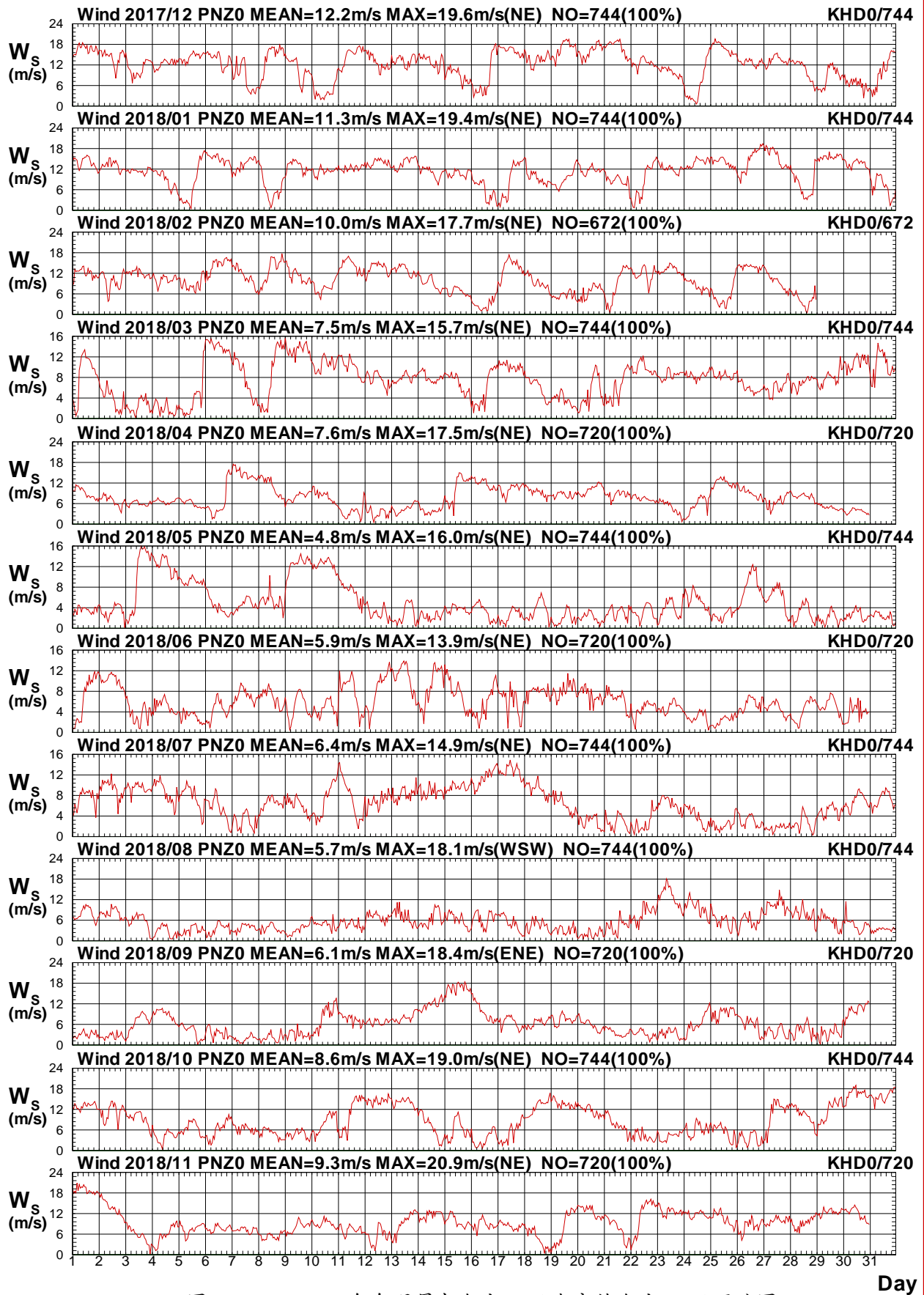


圖1.4.23a 2018年每月屏東海域 Z 站與高雄海域 D 站風速圖

W17CPNZ0.1HA W17CKHD0.1H0 W181PNZ0.1HA W181KHD0.1H0 W182PNZ0.1HA W182KHD0.1H0
 W183PNZ0.1HA W183KHD0.1H0 W184PNZ0.1HA W184KHD0.1H0 W185PNZ0.1HA W185KHD0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

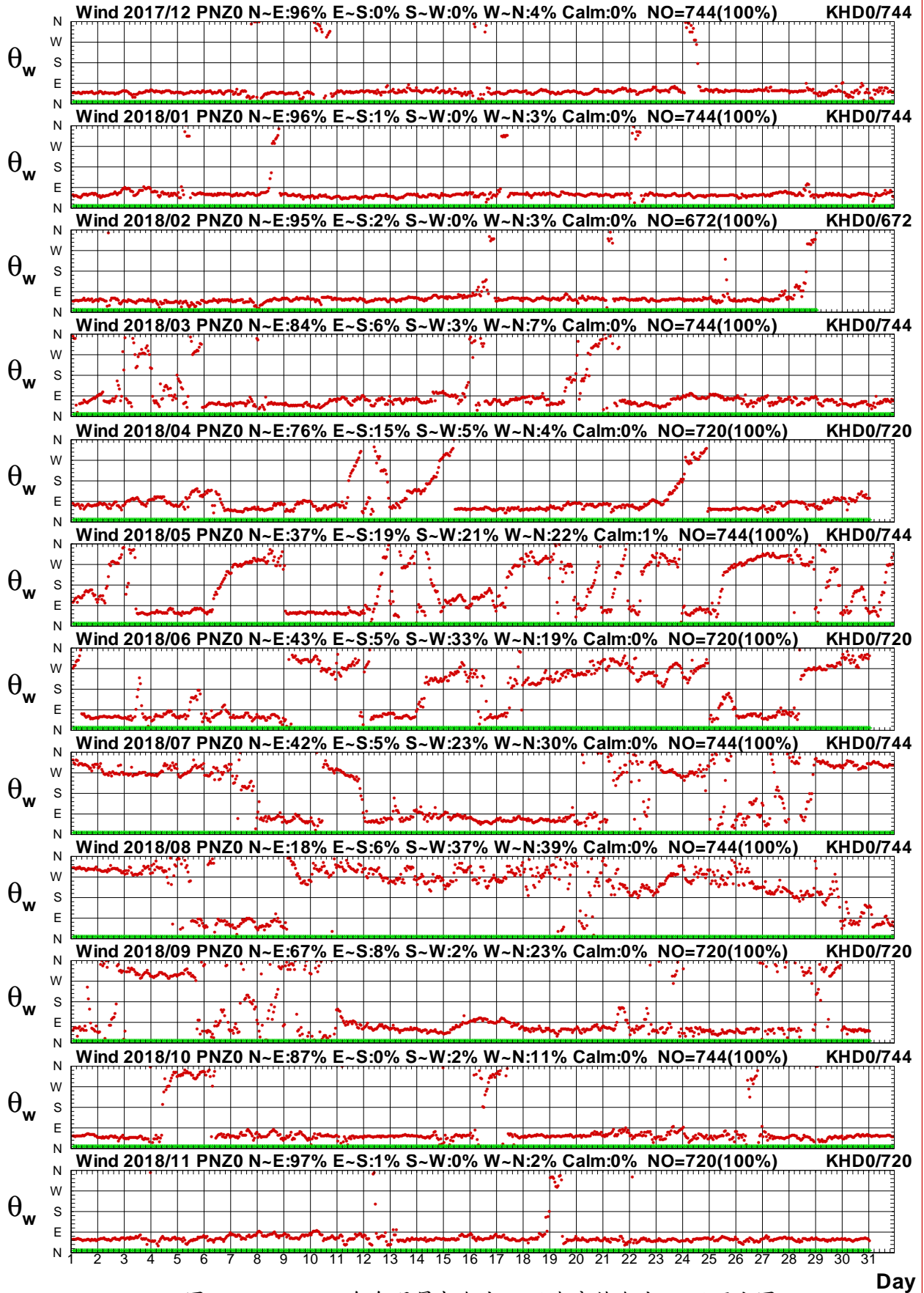


圖1.4.23b 2018年每月屏東海域 Z 站與高雄海域 D 站風向圖

W17CPNZ0.1HA W17CKHD0.1HO W181PNZ0.1HA W181KHD0.1HO W182PNZ0.1HA W182KHD0.1HO
 W183PNZ0.1HA W183KHD0.1HO W184PNZ0.1HA W184KHD0.1HO W185PNZ0.1HA W185KHD0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

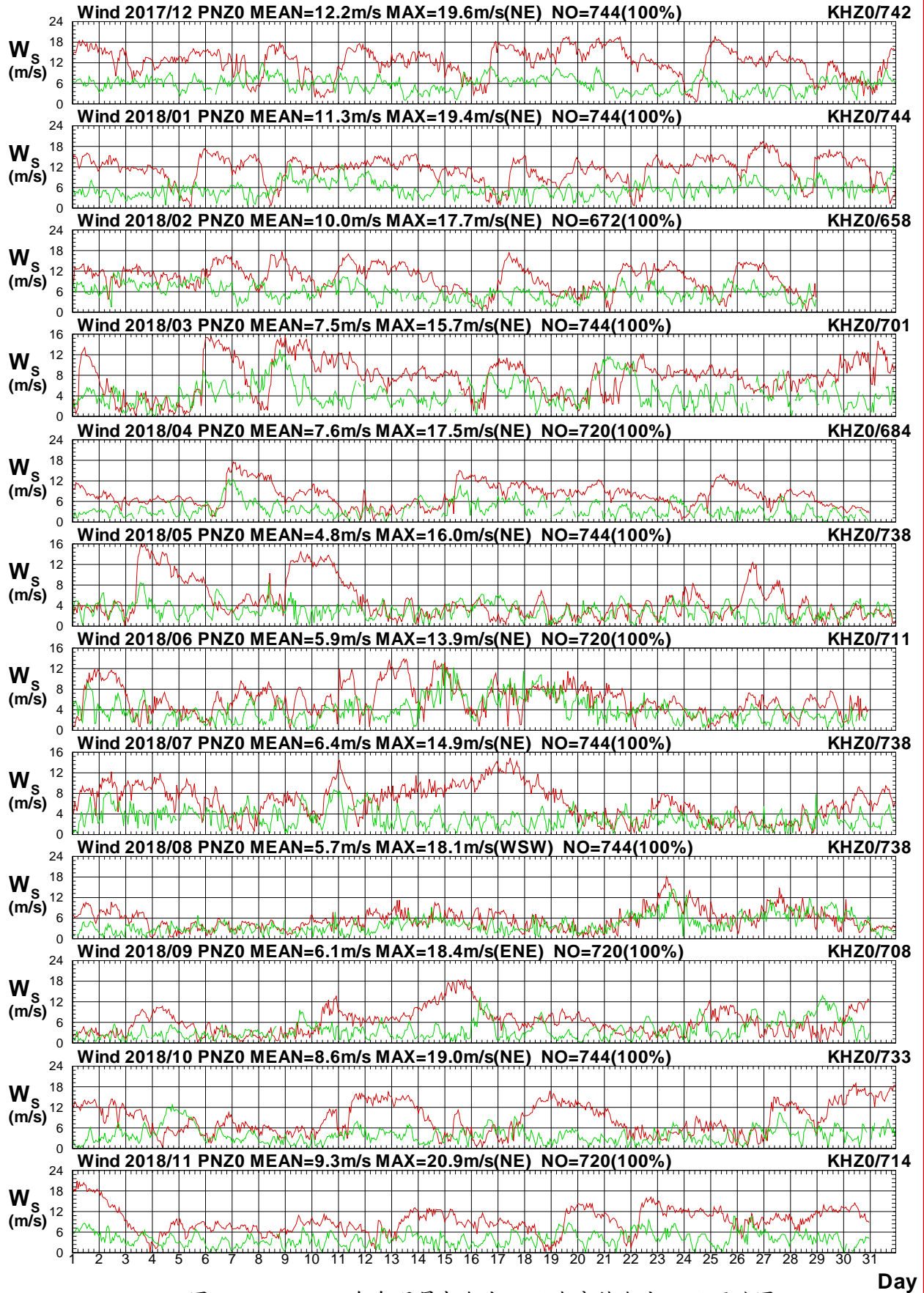


圖1.4.24a 2018年每月屏東海域 Z 站與高雄海域 Z 站風速圖

W17CPNZ0.1HA W17CKHZ0.1H0 W181PNZ0.1HA W181KHZ0.1H0 W182PNZ0.1HA W182KHZ0.1H0
 W183PNZ0.1HA W183KHZ0.1H0 W184PNZ0.1HA W184KHZ0.1H0 W185PNZ0.1HA W185KHZ0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

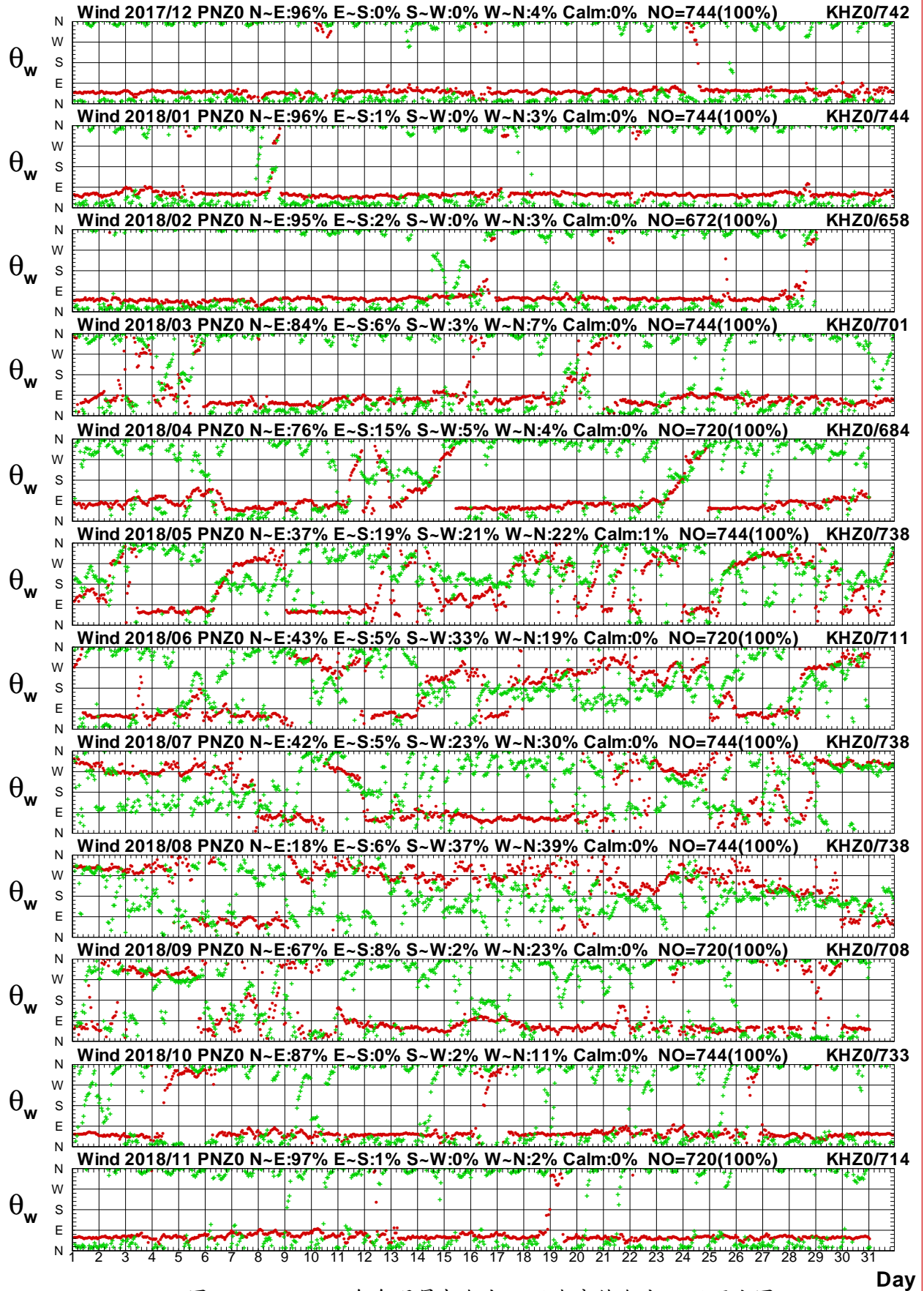


圖 1.4.24b 2018年每月屏東海域 Z 站與高雄海域 Z 站風向圖

W17CPNZ0.1HA W17CKHZ0.1HO W181PNZ0.1HA W181KHZ0.1HO W182PNZ0.1HA W182KHZ0.1HO
 W183PNZ0.1HA W183KHZ0.1HO W184PNZ0.1HA W184KHZ0.1HO W185PNZ0.1HA W185KHZ0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

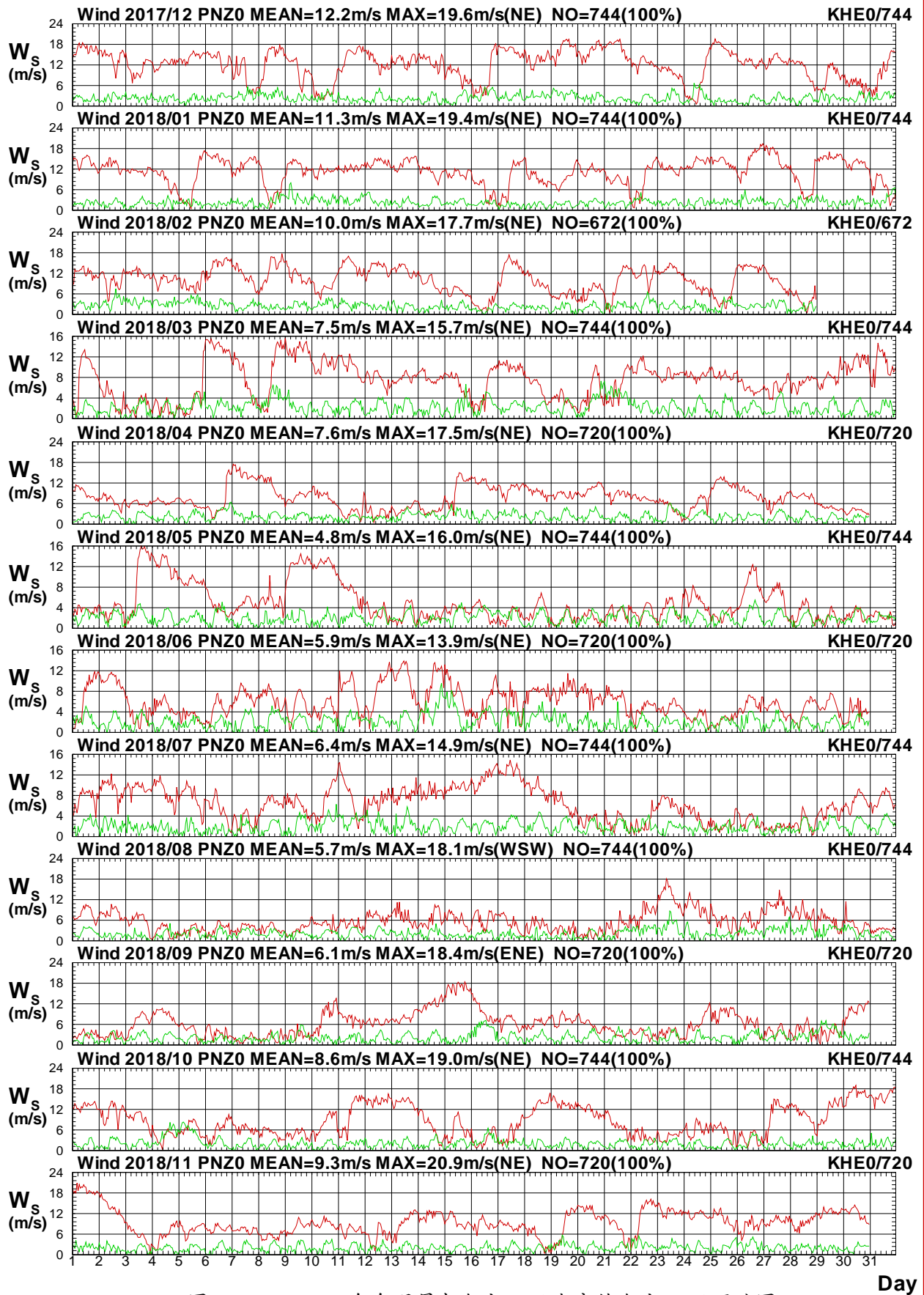


圖1.4.25a 2018年每月屏東海域 Z 站與高雄海域 E 站風速圖

W17CPNZ0.1HA W17CKHE0.1HO W181PNZ0.1HA W181KHE0.1HO W182PNZ0.1HA W182KHE0.1HO
 W183PNZ0.1HA W183KHE0.1HO W184PNZ0.1HA W184KHE0.1HO W185PNZ0.1HA W185KHE0.1HO

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

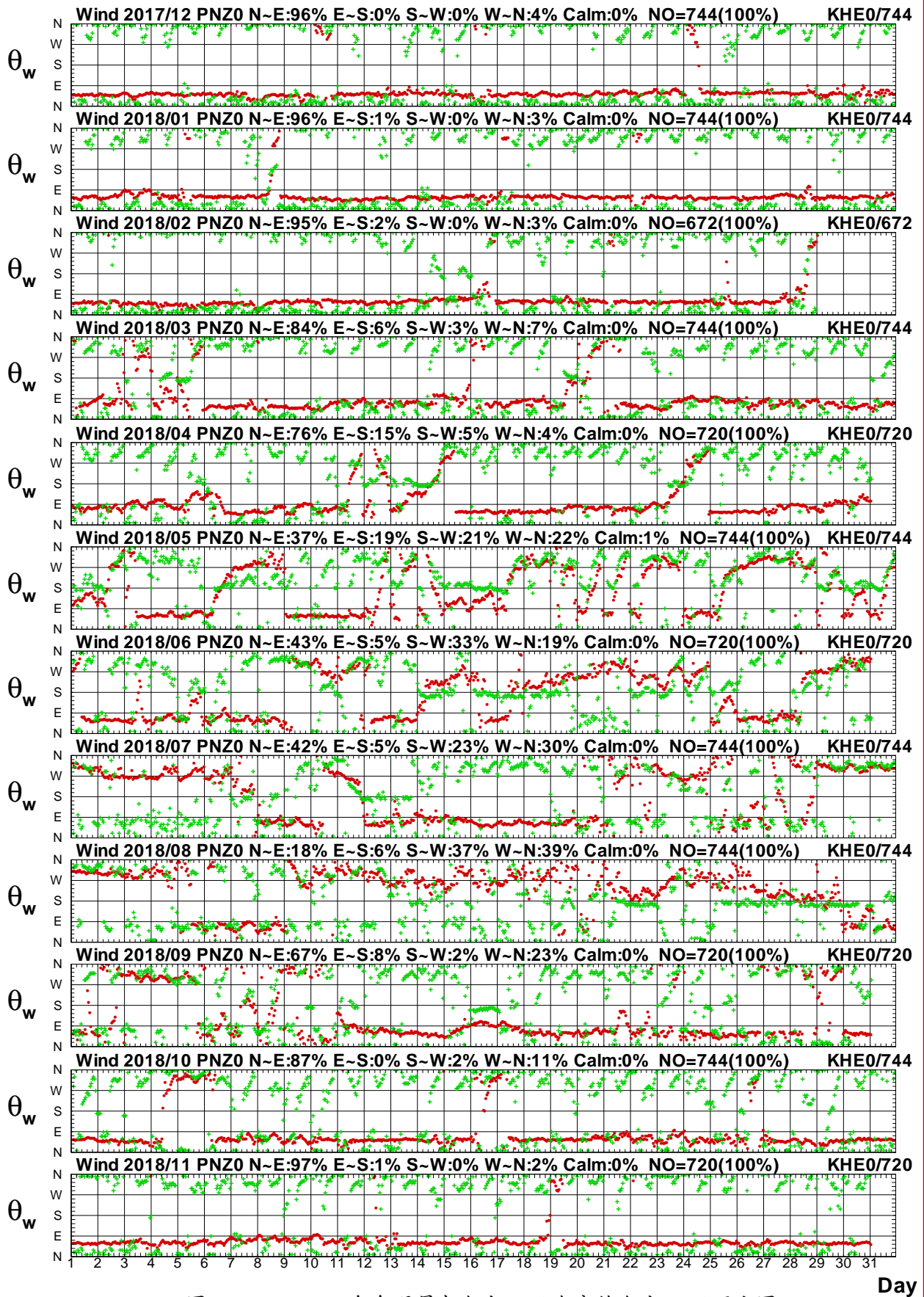


圖 1.4.25b 2018年每月屏東海域 Z 站與高雄海域 E 站風向圖

W17CPNZ0.1HA W17CKHE0.1HO W181PNZ0.1HA W181KHE0.1HO W182PNZ0.1HA W182KHE0.1HO
W183PNZ0.1HA W183KHE0.1HO W184PNZ0.1HA W184KHE0.1HO W185PNZ0.1HA W185KHE0.1HO

Institute of Harbor & Marine Technology

Wind Speed in Peng-Tung Seas of PNZ0 at 2018

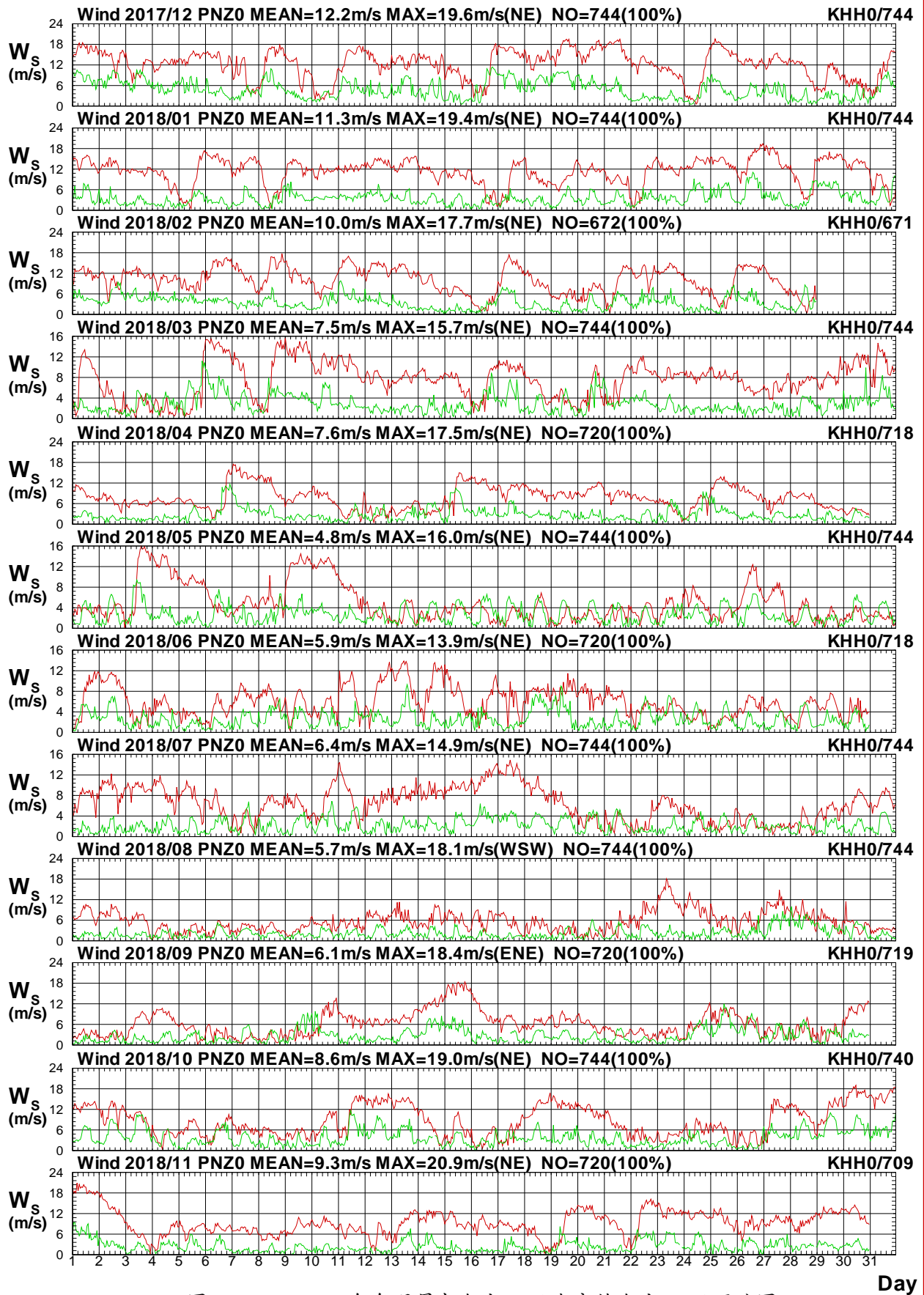


圖1.4.26a 2018年每月屏東海域 Z 站與高雄海域 H 站風速圖

W17CPNZ0.1HA W17CKHH0.1H0 W181PNZ0.1HA W181KHH0.1H0 W182PNZ0.1HA W182KHH0.1H0
 W183PNZ0.1HA W183KHH0.1H0 W184PNZ0.1HA W184KHH0.1H0 W185PNZ0.1HA W185KHH0.1H0

Institute of Harbor & Marine Technology

Wind Direction in Peng-Tung Seas of PNZ0 at 2018

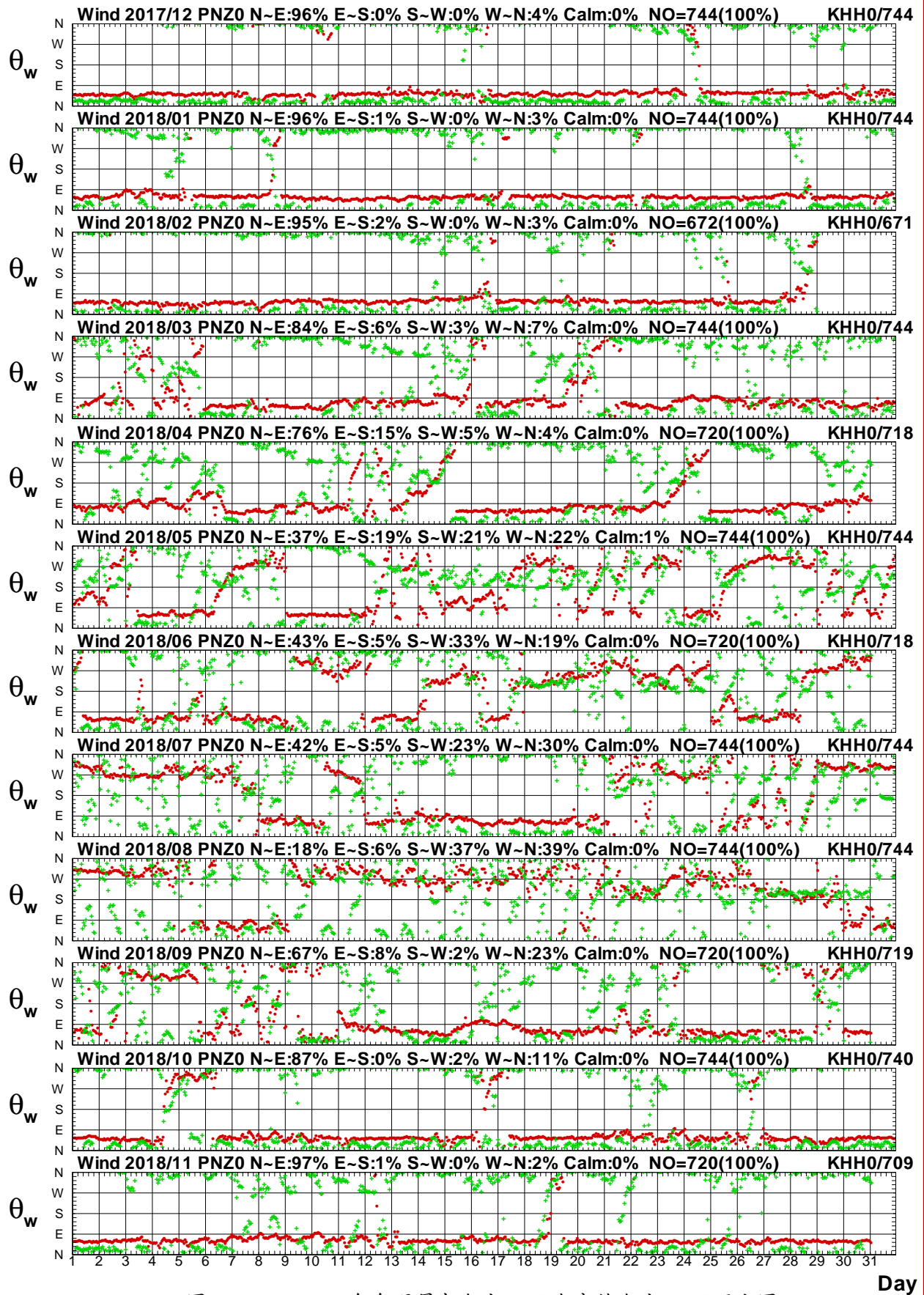


圖1.4.26b 2018年每月屏東海域 Z 站與高雄海域 H 站風向圖

W17CPNZ0.1HA W17CKHH0.1HO W181PNZ0.1HA W181KHH0.1HO W182PNZ0.1HA W182KHH0.1HO
 W183PNZ0.1HA W183KHH0.1HO W184PNZ0.1HA W184KHH0.1HO W185PNZ0.1HA W185KHH0.1HO

Institute of Harbor & Marine Technology

1.5 2018 年屏東海域風力各測站修補前 風力向量分佈圖

Distribution of Wind Vectors

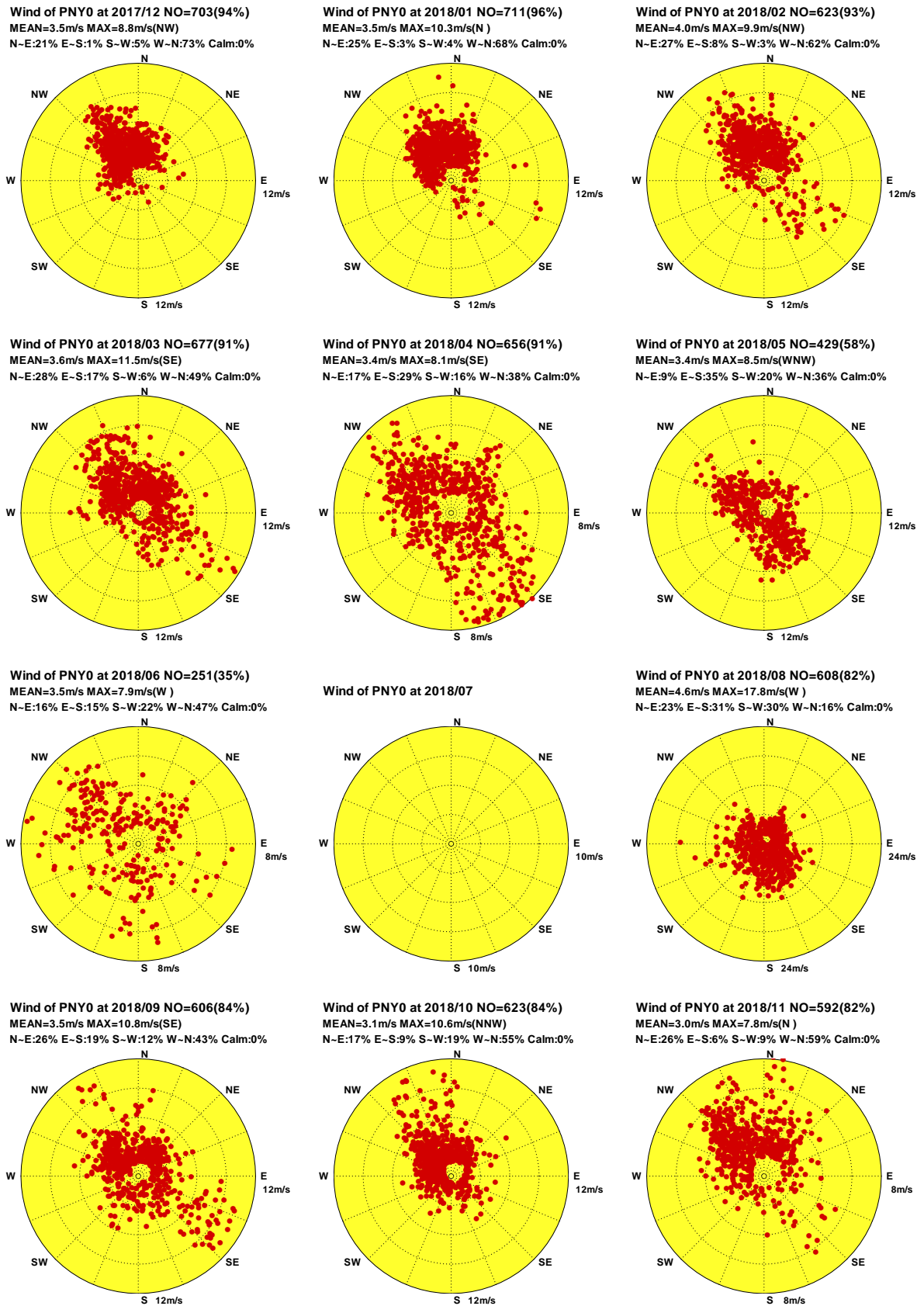


圖1.5.1 2018年屏東海域每月 Y 站修補前觀測風力向量分佈圖

W17CPNY0.1HO W181PNY0.1HO W182PNY0.1HO W183PNY0.1HO W184PNY0.1HO W185PNY0.1HO
 W186PNY0.1HO W187PNY0.1HO W188PNY0.1HO W189PNY0.1HO W18APNY0.1HO W18BPNY0.1HO

Institute of Harbor & Marine Technology

Distribution of Wind Vectors

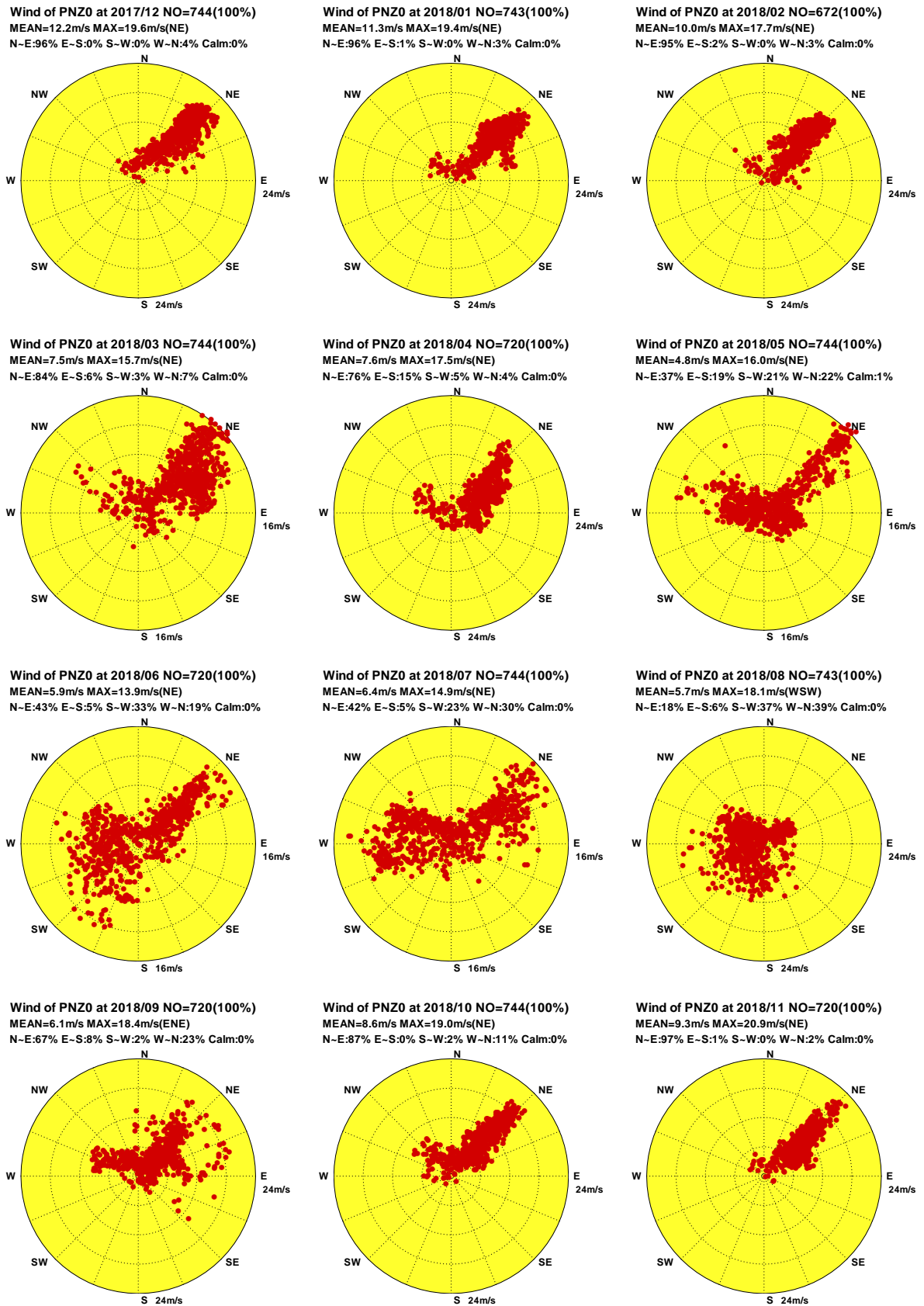


圖1.5.2 2018年屏東海域每月 Z 站修補前觀測風力向量分佈圖

W17CPNZ0.1H0 W181PNZ0.1H0 W182PNZ0.1H0 W183PNZ0.1H0 W184PNZ0.1H0 W185PNZ0.1H0
W186PNZ0.1H0 W187PNZ0.1H0 W188PNZ0.1H0 W189PNZ0.1H0 W18APNZ0.1H0 W18BPNZ0.1H0

Institute of Harbor & Marine Technology

Distribution of Wind Vectors

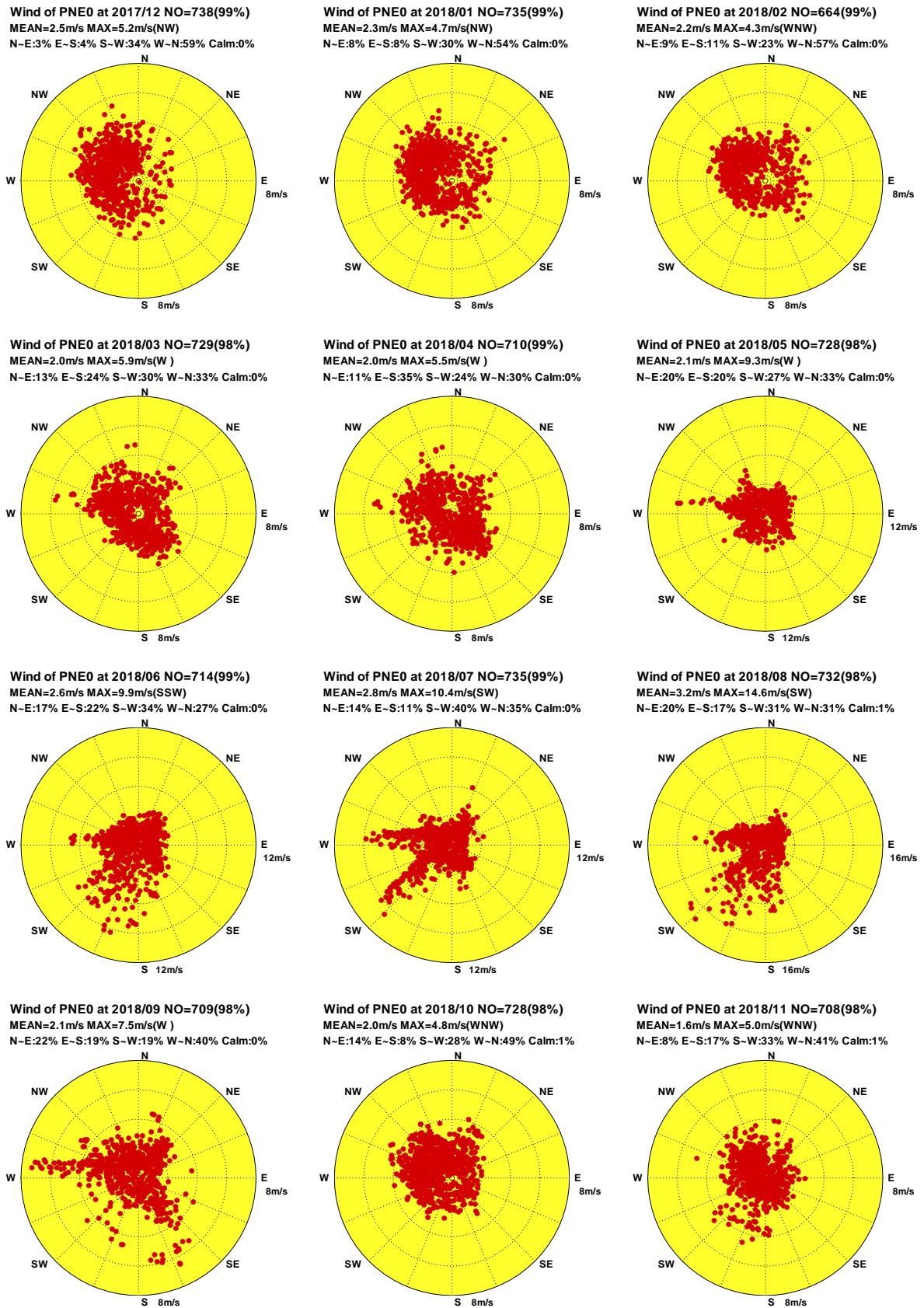


圖1.5.3 2018年屏東海域每月 E 站修補前觀測風力向量分佈圖

W17CPNE0.1H0 W181PNE0.1H0 W182PNE0.1H0 W183PNE0.1H0 W184PNE0.1H0 W185PNE0.1H0
W186PNE0.1H0 W187PNE0.1H0 W188PNE0.1H0 W189PNE0.1H0 W18APNE0.1H0 W18BPNE0.1H0

Institute of Harbor & Marine Technology

Distribution of Wind Vectors

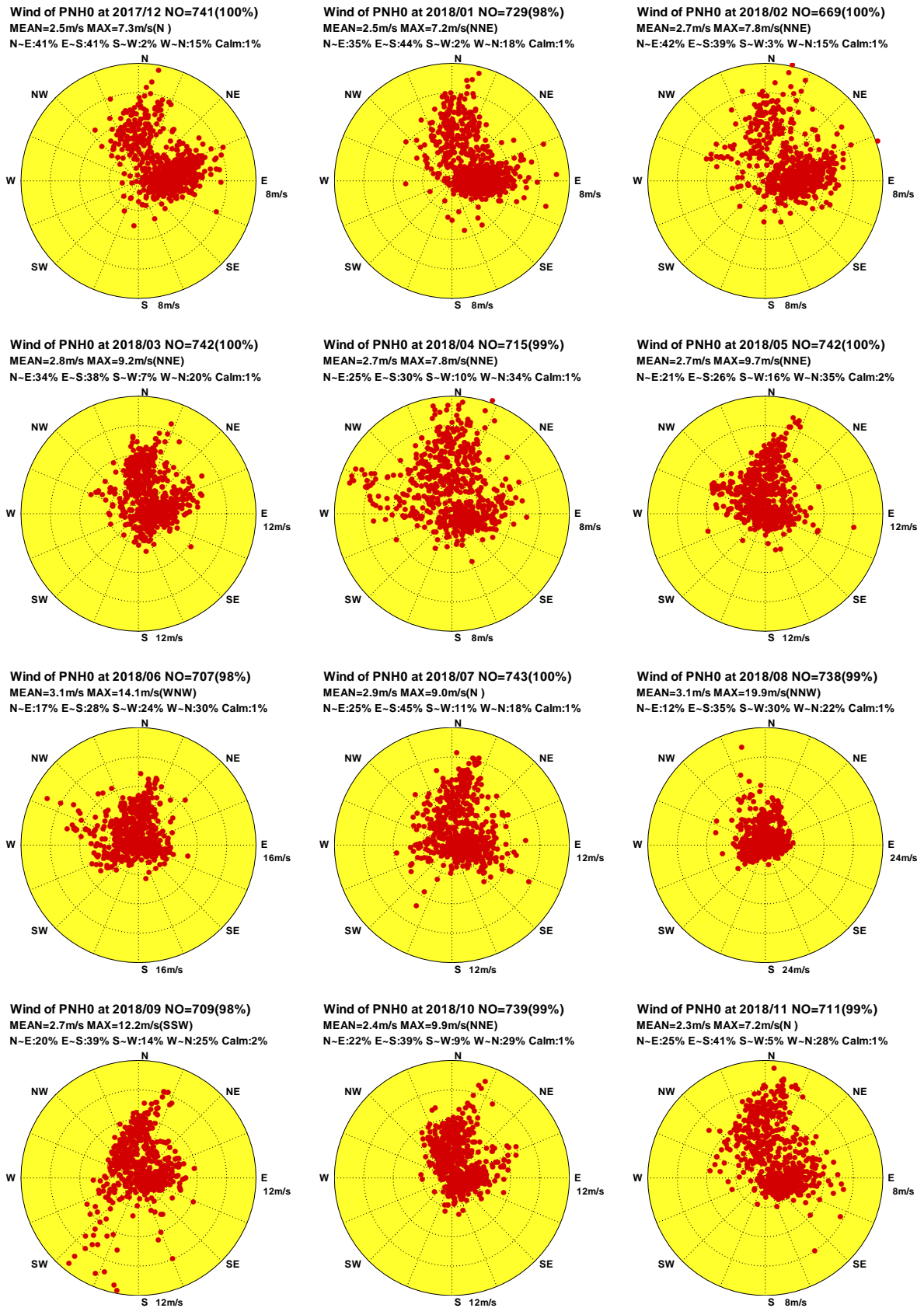


圖1.5.4 2018年屏東海域每月 H 站修補前觀測風力向量分佈圖

W17CPNH0.1HO W181PNH0.1HO W182PNH0.1HO W183PNH0.1HO W184PNH0.1HO W185PNH0.1HO
W186PNH0.1HO W187PNH0.1HO W188PNH0.1HO W189PNH0.1HO W18APNH0.1HO W18BPNH0.1HO

Institute of Harbor & Marine Technology

Distribution of Wind Vectors

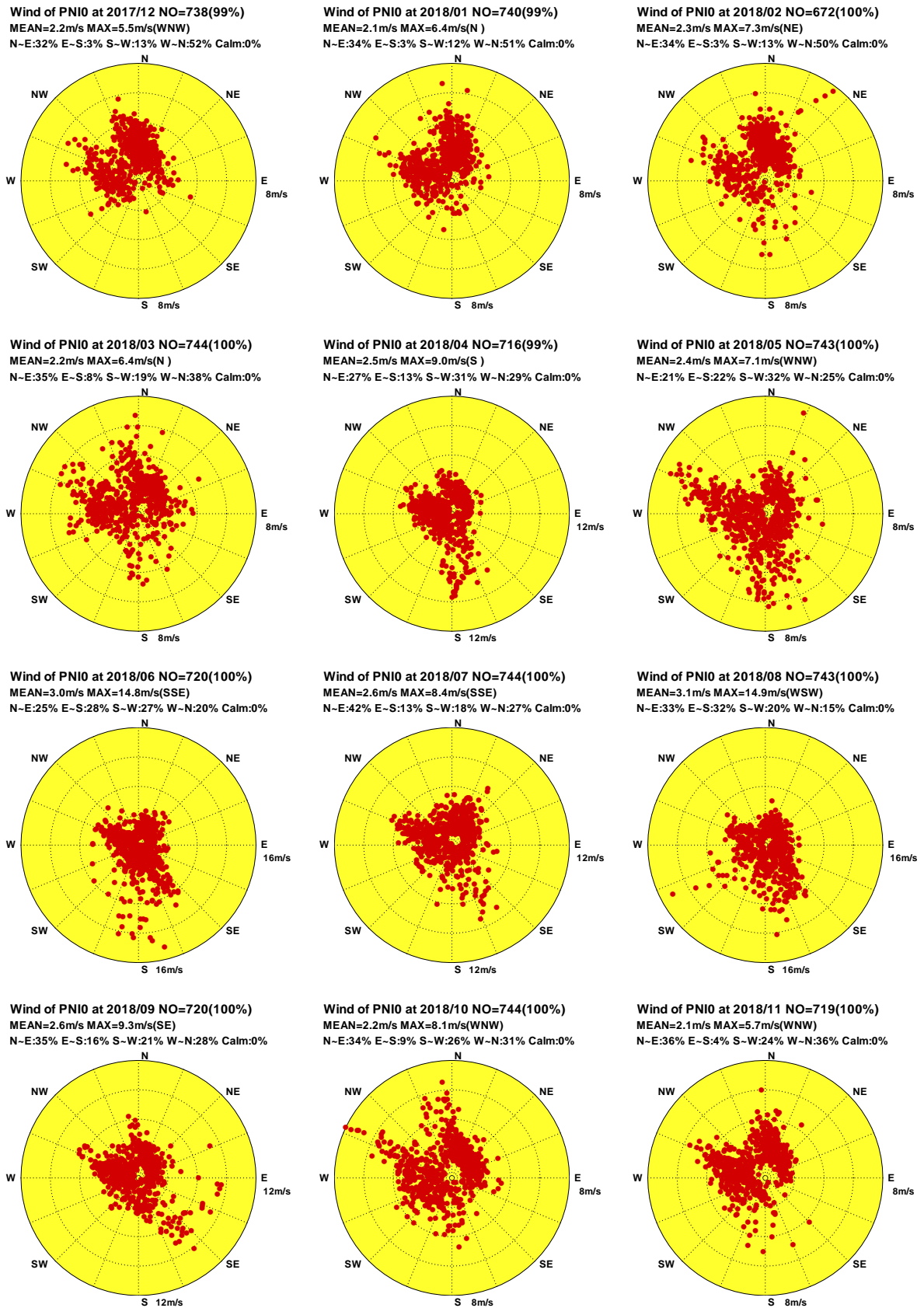


圖1.5.5 2018年屏東海域每月 I 站修補前觀測風力向量分佈圖

W17CPNI0.1H0 W181PNI0.1H0 W182PNI0.1H0 W183PNI0.1H0 W184PNI0.1H0 W185PNI0.1H0
W186PNI0.1H0 W187PNI0.1H0 W188PNI0.1H0 W189PNI0.1H0 W18APNI0.1H0 W18BPNI0.1H0

Institute of Harbor & Marine Technology

Distribution of Wind Vectors

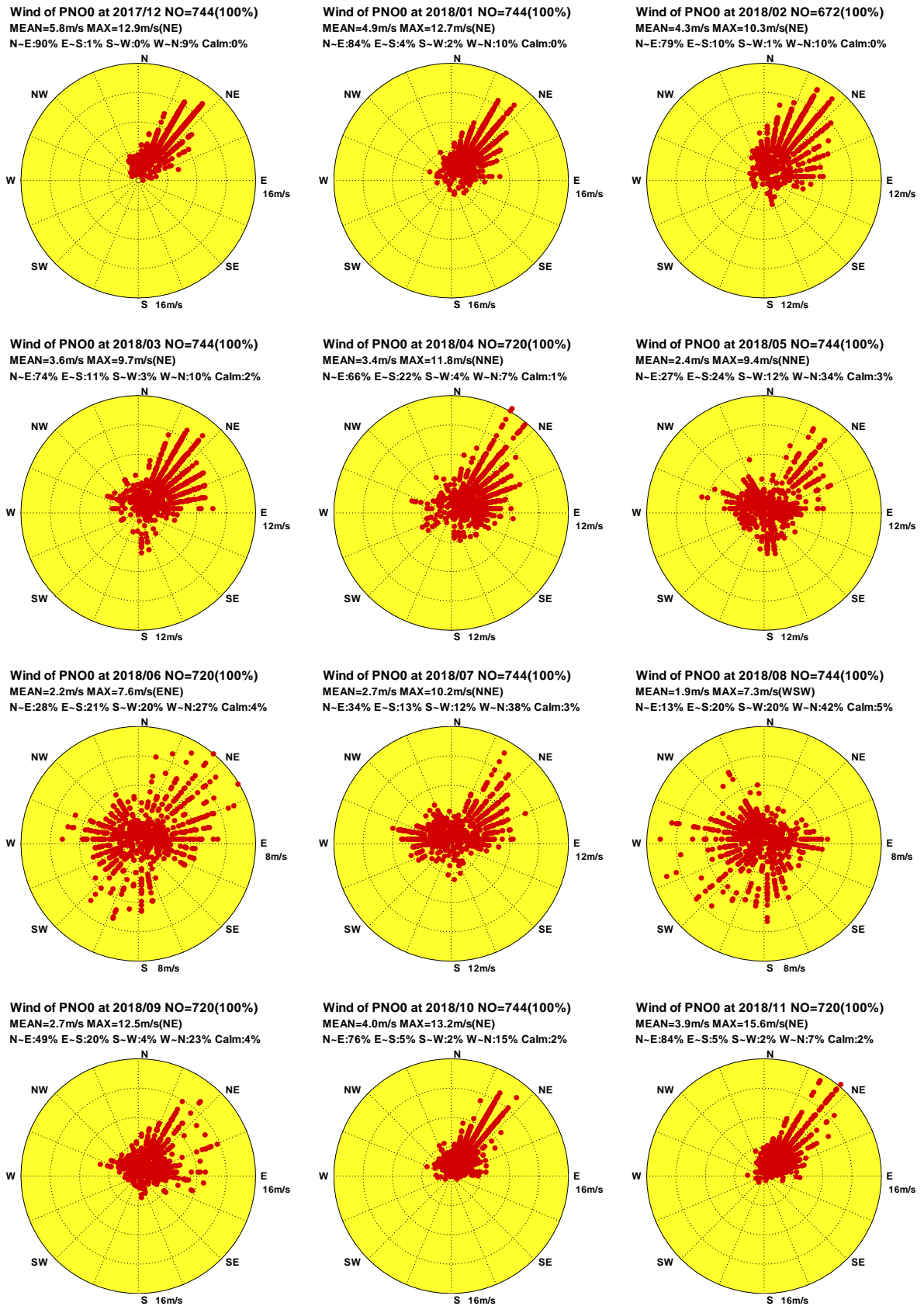


圖1.5.6 2018年屏東海域每月 O 站修補前觀測風力向量分佈圖

W17CPNO0.1H0 W181PNO0.1H0 W182PNO0.1H0 W183PNO0.1H0 W184PNO0.1H0 W185PNO0.1H0
 W186PNO0.1H0 W187PNO0.1H0 W188PNO0.1H0 W189PNO0.1H0 W18APNO0.1H0 W18BPNO0.1H0

Institute of Harbor & Marine Technology

Distribution of Wind Vectors

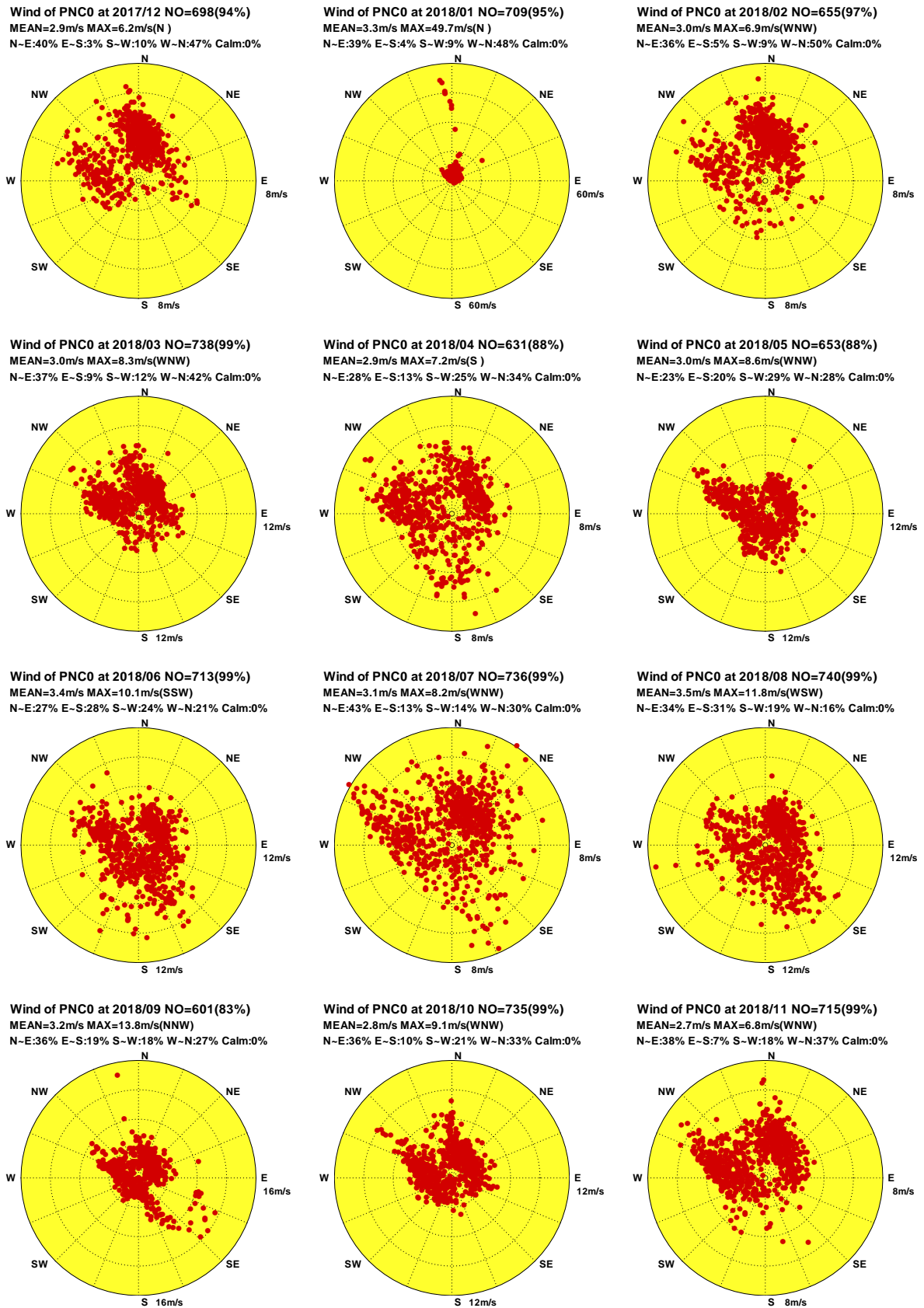


圖1.5.7 2018年屏東海域每月 C 站修補前觀測風力向量分佈圖

W17CPNC0.1H0 W181PNC0.1H0 W182PNC0.1H0 W183PNC0.1H0 W184PNC0.1H0 W185PNC0.1H0
 W186PNC0.1H0 W187PNC0.1H0 W188PNC0.1H0 W189PNC0.1H0 W18APNC0.1H0 W18BPNC0.1H0

Institute of Harbor & Marine Technology

Distribution of Wind Vectors

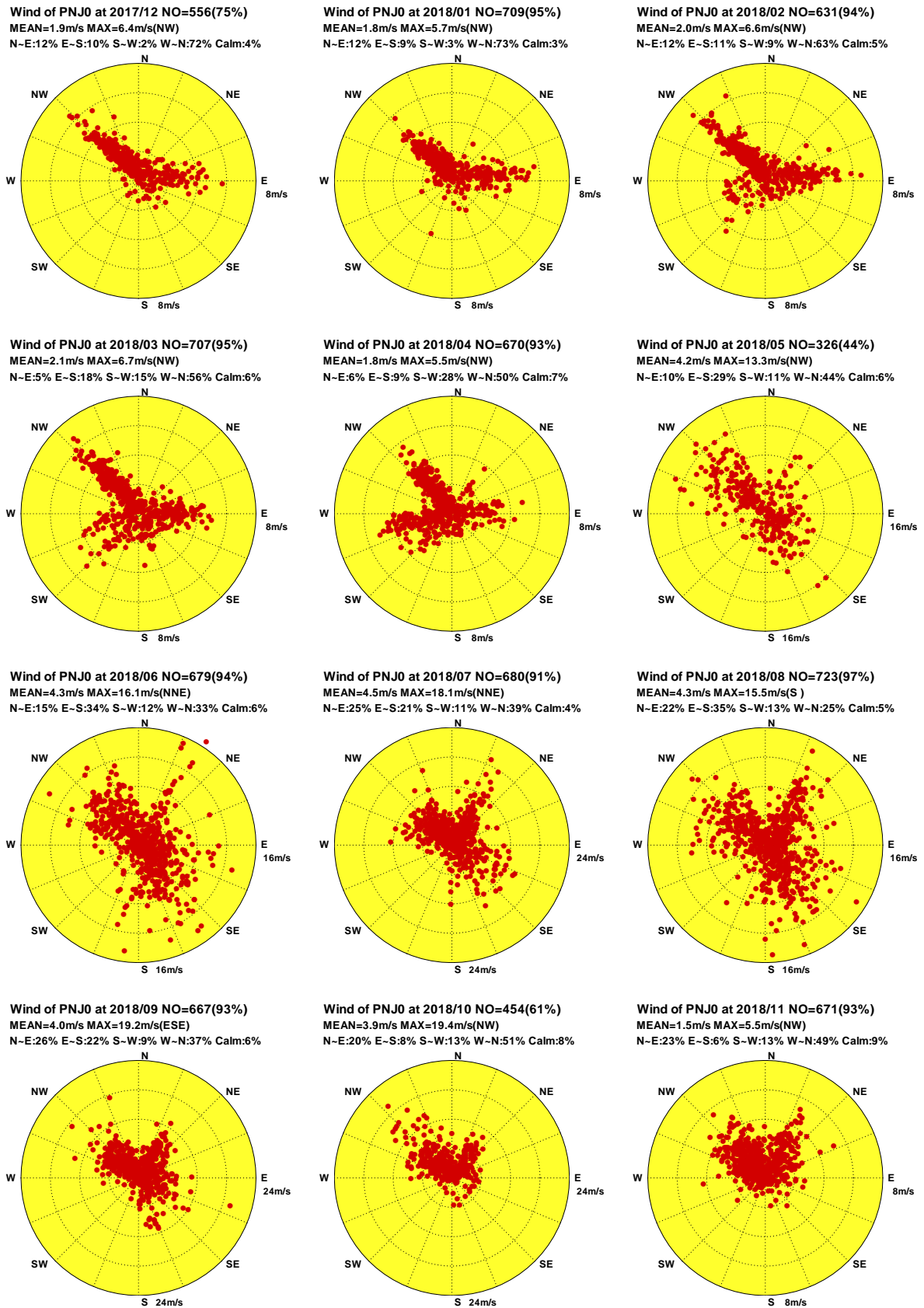


圖1.5.8 2018年屏東海域每月J站修補前觀測風力向量分佈圖

W17CPNJ0.1H0 W181PNJ0.1H0 W182PNJ0.1H0 W183PNJ0.1H0 W184PNJ0.1H0 W185PNJ0.1H0
W186PNJ0.1H0 W187PNJ0.1H0 W188PNJ0.1H0 W189PNJ0.1H0 W18APNJ0.1H0 W18BPNJ0.1H0

Institute of Harbor & Marine Technology

Distribution of Wind Vectors

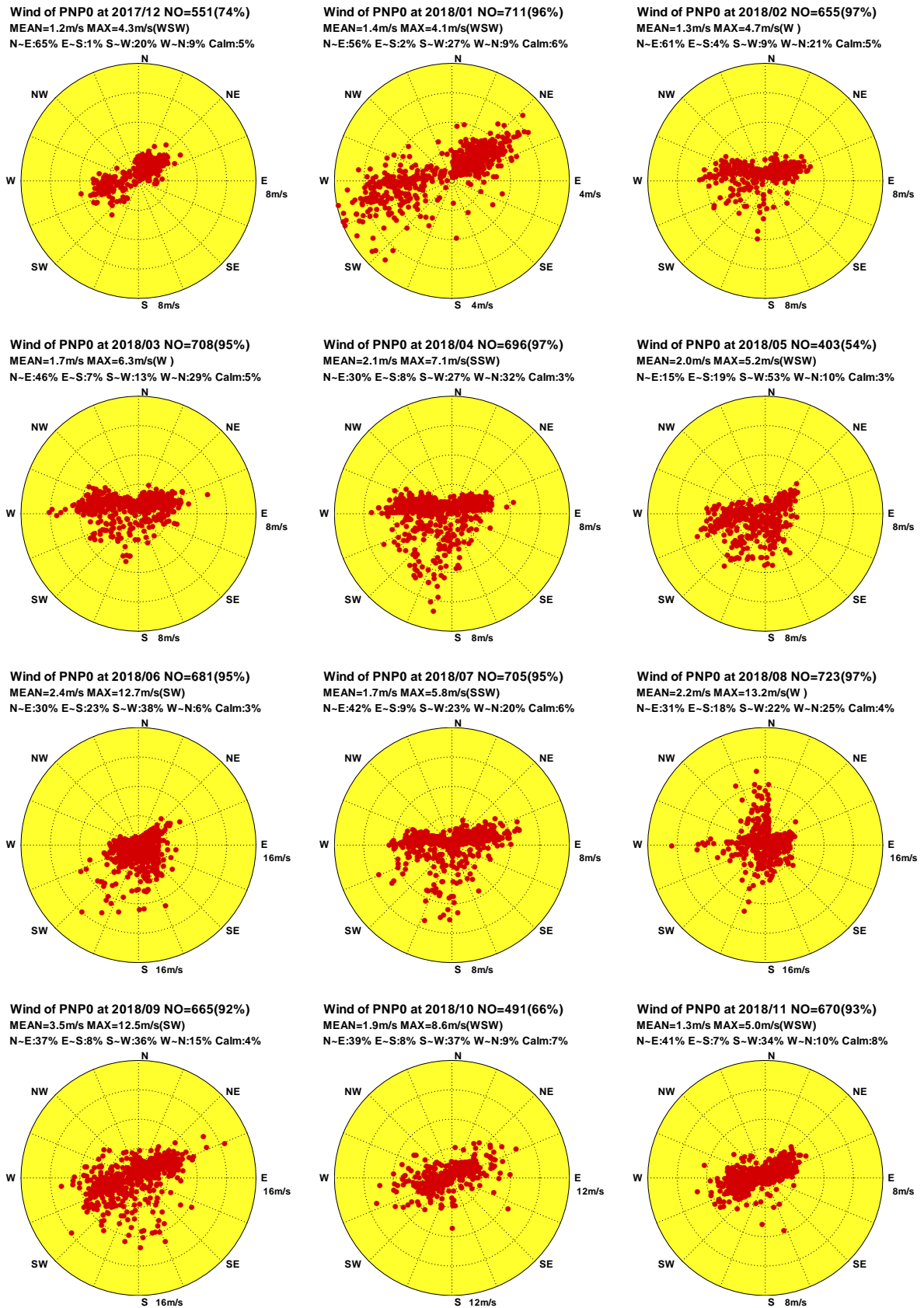


圖 1.5.90 2018 年屏東海域每月 P 站修補前觀測風力向量分佈圖

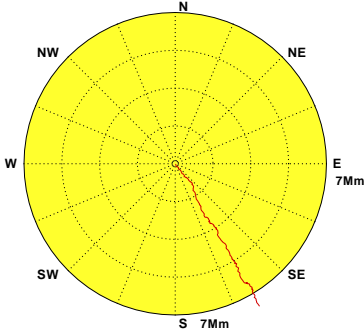
W17CPNP0.1H0 W181PNP0.1H0 W182PNP0.1H0 W183PNP0.1H0 W184PNP0.1H0 W185PNP0.1H0
W186PNP0.1H0 W187PNP0.1H0 W188PNP0.1H0 W189PNP0.1H0 W18APNP0.1H0 W18BPNP0.1H0

Institute of Harbor & Marine Technology

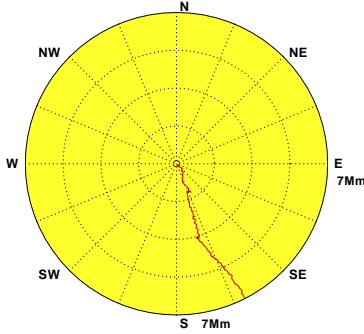
1.6 2018 年屏東海域風力各測站修補前 風力向量行進圖

Progressive Vector Diagram of Wind

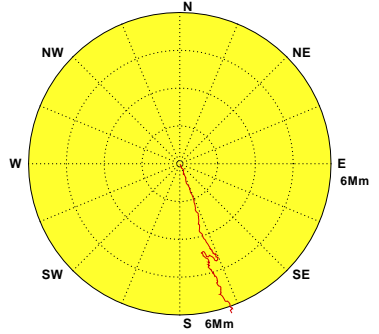
Wind of PNY0 at 2017/12 NO=703(94%)
MEAN=3.5m/s MAX=8.8m/s(NW)
N-E:21% E-S:1% S-W:5% W-N:73% Calm:0%



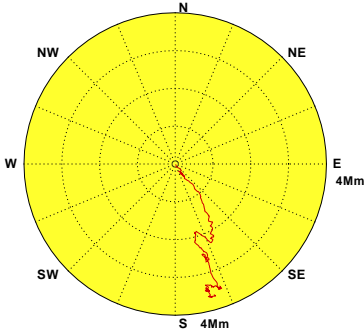
Wind of PNY0 at 2018/01 NO=711(96%)
MEAN=3.5m/s MAX=10.3m/s(N)
N-E:25% E-S:3% S-W:4% W-N:68% Calm:0%



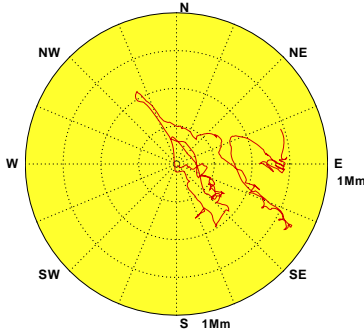
Wind of PNY0 at 2018/02 NO=623(93%)
MEAN=4.0m/s MAX=9.9m/s(NW)
N-E:27% E-S:8% S-W:3% W-N:62% Calm:0%



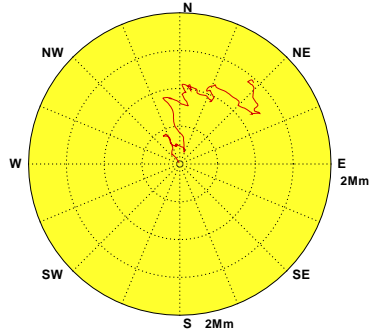
Wind of PNY0 at 2018/03 NO=677(91%)
MEAN=3.6m/s MAX=11.5m/s(SE)
N-E:28% E-S:17% S-W:6% W-N:49% Calm:0%



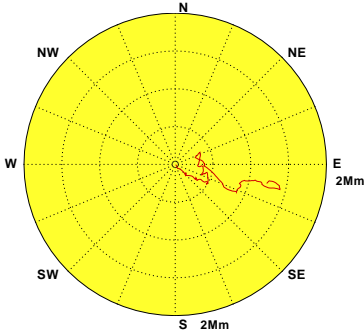
Wind of PNY0 at 2018/04 NO=656(91%)
MEAN=3.4m/s MAX=8.1m/s(SE)
N-E:17% E-S:29% S-W:16% W-N:38% Calm:0%



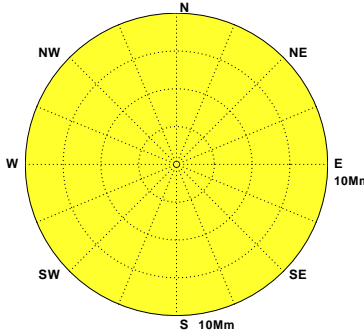
Wind of PNY0 at 2018/05 NO=429(58%)
MEAN=3.4m/s MAX=8.5m/s(WNW)
N-E:9% E-S:35% S-W:20% W-N:36% Calm:0%



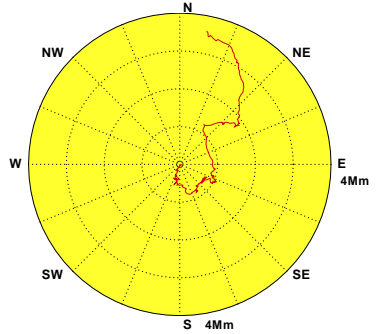
Wind of PNY0 at 2018/06 NO=251(35%)
MEAN=3.5m/s MAX=7.9m/s(W)
N-E:16% E-S:15% S-W:22% W-N:47% Calm:0%



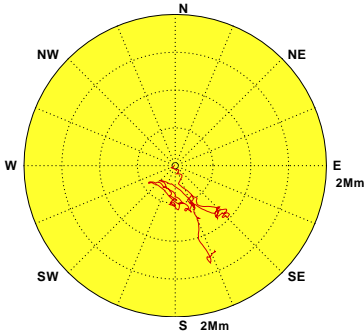
Wind of PNY0 at 2018/07



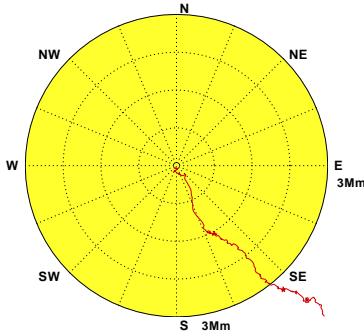
Wind of PNY0 at 2018/08 NO=608(82%)
MEAN=4.6m/s MAX=17.8m/s(W)
N-E:23% E-S:31% S-W:30% W-N:16% Calm:0%



Wind of PNY0 at 2018/09 NO=606(84%)
MEAN=3.5m/s MAX=10.8m/s(SE)
N-E:26% E-S:19% S-W:12% W-N:43% Calm:0%



Wind of PNY0 at 2018/10 NO=623(84%)
MEAN=3.1m/s MAX=10.6m/s(NNW)
N-E:17% E-S:9% S-W:19% W-N:55% Calm:0%



Wind of PNY0 at 2018/11 NO=592(82%)
MEAN=3.0m/s MAX=7.8m/s(N)
N-E:26% E-S:6% S-W:9% W-N:59% Calm:0%

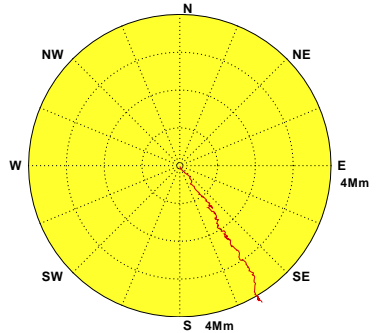


圖1.6.1 2018年屏東海域每月 Y 站修補前觀測風力向量行進圖

W17CPNY0.1H0 W181PNY0.1H0 W182PNY0.1H0 W183PNY0.1H0 W184PNY0.1H0 W185PNY0.1H0
W186PNY0.1H0 W187PNY0.1H0 W188PNY0.1H0 W189PNY0.1H0 W18APNY0.1H0 W18BPNY0.1H0

Institute of Harbor & Marine Technology

Progressive Vector Diagram of Wind

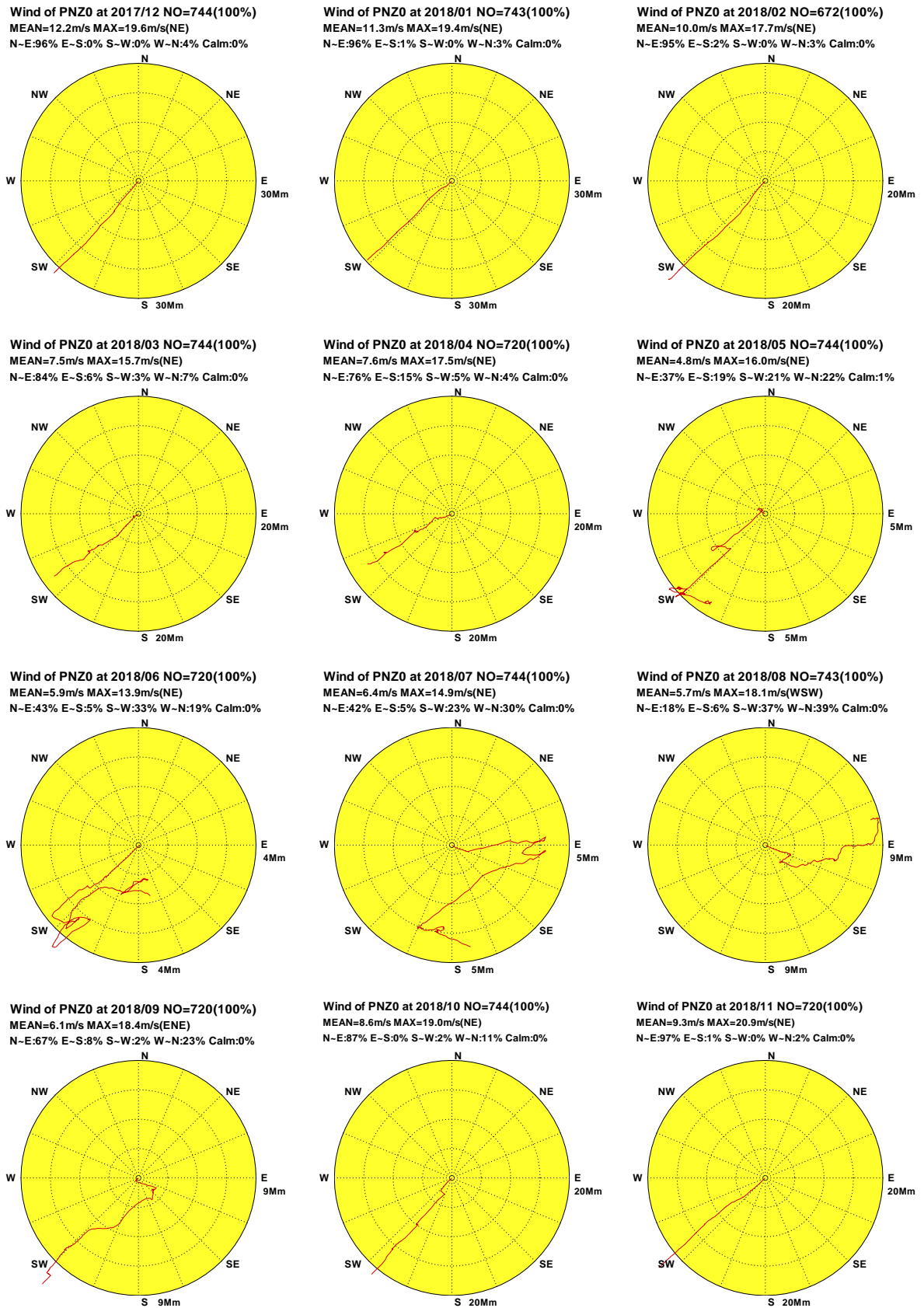


圖1.6.2 2018年屏東海域每月 Z 站修補前觀測風力向量行進圖

W17CPNZ0.1H0 W181PNZ0.1H0 W182PNZ0.1H0 W183PNZ0.1H0 W184PNZ0.1H0 W185PNZ0.1H0
W186PNZ0.1H0 W187PNZ0.1H0 W188PNZ0.1H0 W189PNZ0.1H0 W18APNZ0.1H0 W18BPNZ0.1H0

Institute of Harbor & Marine Technology

Progressive Vector Diagram of Wind

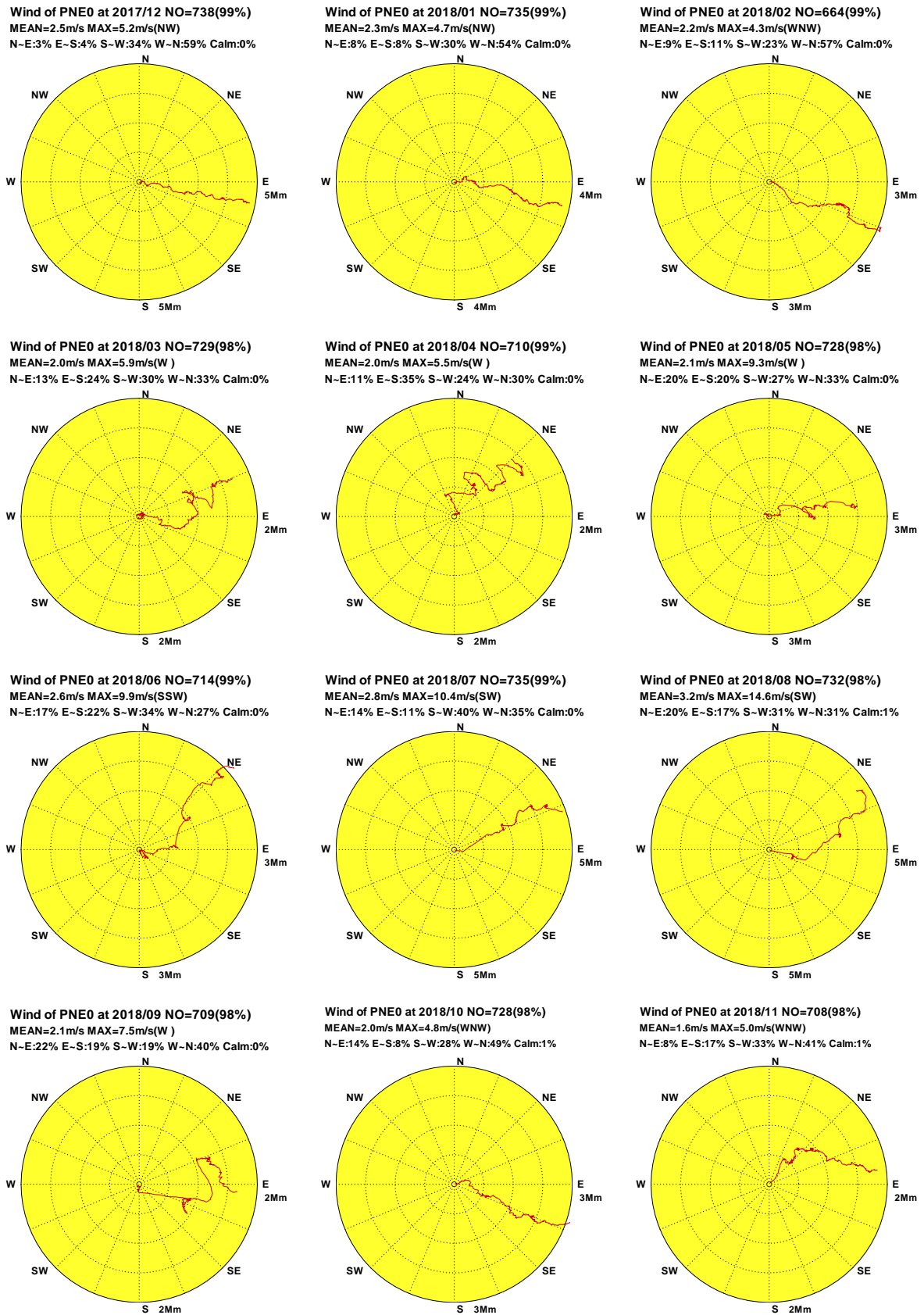


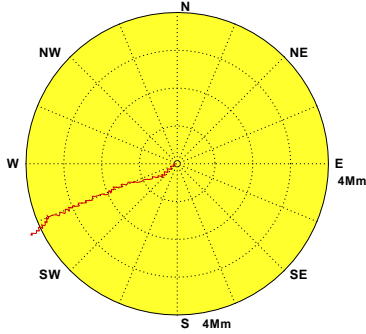
圖1.6.3 2018年屏東海域每月 E 站修補前觀測風力向量行進圖

W17CPNE0.1H0 W181PNE0.1H0 W182PNE0.1H0 W183PNE0.1H0 W184PNE0.1H0 W185PNE0.1H0
W186PNE0.1H0 W187PNE0.1H0 W188PNE0.1H0 W189PNE0.1H0 W18APNE0.1H0 W18BPNE0.1H0

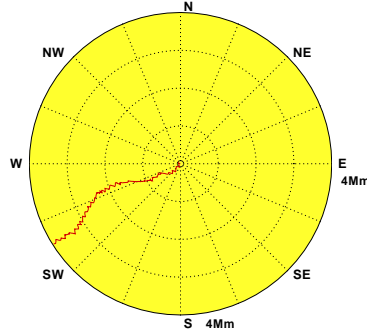
Institute of Harbor & Marine Technology

Progressive Vector Diagram of Wind

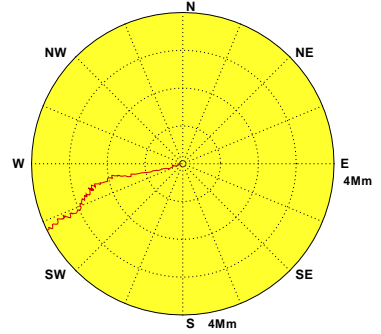
Wind of PNH0 at 2017/12 NO=741(100%)
 MEAN=2.5m/s MAX=7.3m/s(N)
 N-E:41% E-S:41% S-W:2% W-N:15% Calm:1%



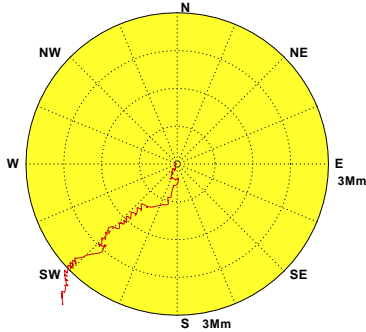
Wind of PNH0 at 2018/01 NO=729(98%)
 MEAN=2.5m/s MAX=7.2m/s(NNE)
 N-E:35% E-S:44% S-W:2% W-N:18% Calm:1%



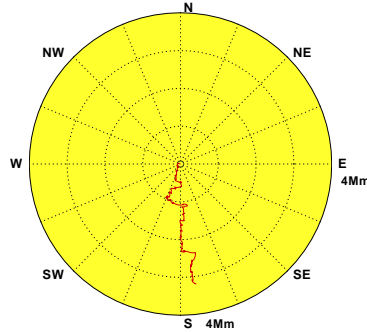
Wind of PNH0 at 2018/02 NO=669(100%)
 MEAN=2.7m/s MAX=7.8m/s(NNE)
 N-E:42% E-S:39% S-W:3% W-N:15% Calm:1%



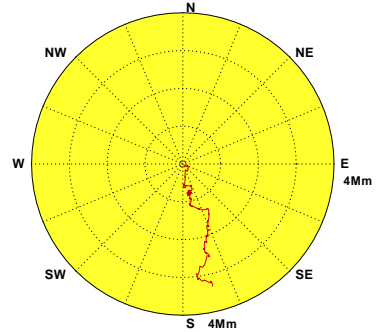
Wind of PNH0 at 2018/03 NO=742(100%)
 MEAN=2.8m/s MAX=9.2m/s(NNE)
 N-E:34% E-S:38% S-W:7% W-N:20% Calm:1%



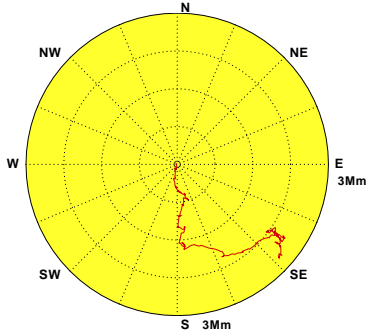
Wind of PNH0 at 2018/04 NO=715(99%)
 MEAN=2.7m/s MAX=7.8m/s(NNE)
 N-E:25% E-S:30% S-W:10% W-N:34% Calm:1%



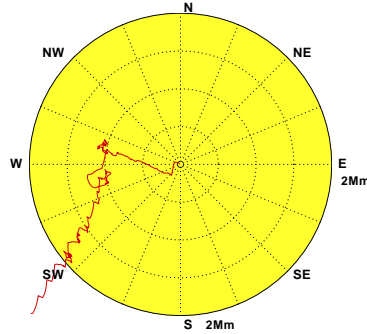
Wind of PNH0 at 2018/05 NO=742(100%)
 MEAN=2.7m/s MAX=9.7m/s(NNE)
 N-E:21% E-S:26% S-W:16% W-N:35% Calm:2%



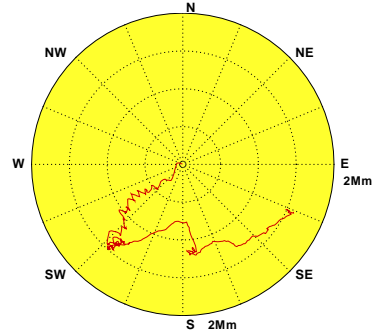
Wind of PNH0 at 2018/06 NO=707(98%)
 MEAN=3.1m/s MAX=14.1m/s(WNW)
 N-E:17% E-S:28% S-W:24% W-N:30% Calm:1%



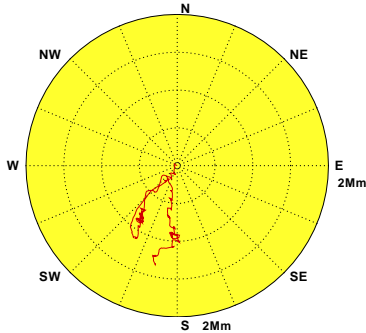
Wind of PNH0 at 2018/07 NO=743(100%)
 MEAN=2.9m/s MAX=9.0m/s(N)
 N-E:25% E-S:45% S-W:11% W-N:18% Calm:1%



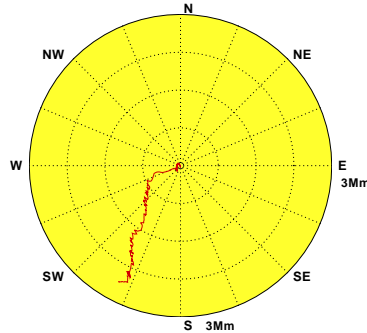
Wind of PNH0 at 2018/08 NO=738(99%)
 MEAN=3.1m/s MAX=19.9m/s(NNW)
 N-E:12% E-S:35% S-W:30% W-N:22% Calm:1%



Wind of PNH0 at 2018/09 NO=709(98%)
 MEAN=2.7m/s MAX=12.2m/s(SSW)
 N-E:20% E-S:39% S-W:14% W-N:25% Calm:2%



Wind of PNH0 at 2018/10 NO=739(99%)
 MEAN=2.4m/s MAX=9.9m/s(NNE)
 N-E:22% E-S:39% S-W:9% W-N:29% Calm:1%



Wind of PNH0 at 2018/11 NO=711(99%)
 MEAN=2.3m/s MAX=7.2m/s(N)
 N-E:25% E-S:41% S-W:5% W-N:28% Calm:1%

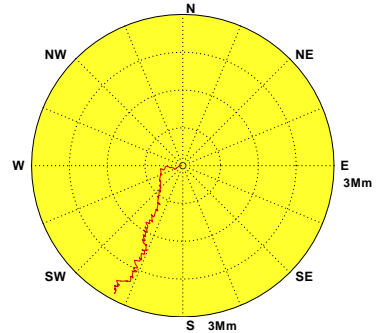


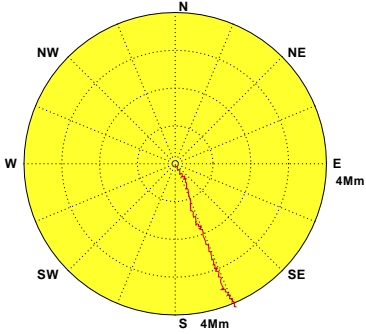
圖1.6.4 2018年屏東海域每月 H 站修補前觀測風力向量行進圖

W17CPNH0.1HO W181PNH0.1HO W182PNH0.1HO W183PNH0.1HO W184PNH0.1HO W185PNH0.1HO
 W186PNH0.1HO W187PNH0.1HO W188PNH0.1HO W189PNH0.1HO W18APNH0.1HO W18BPNH0.1HO

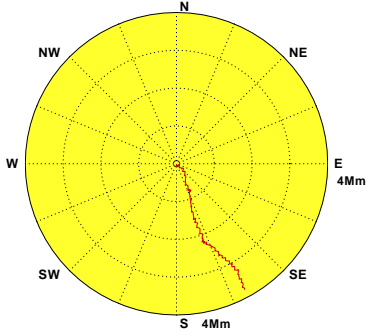
Institute of Harbor & Marine Technology

Progressive Vector Diagram of Wind

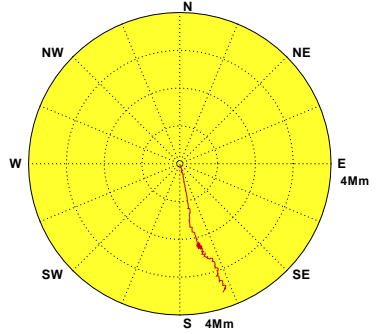
Wind of PNI0 at 2017/12 NO=738(99%)
 MEAN=2.2m/s MAX=5.5m/s(WNW)
 N-E:32% E-S:3% S-W:13% W-N:52% Calm:0%



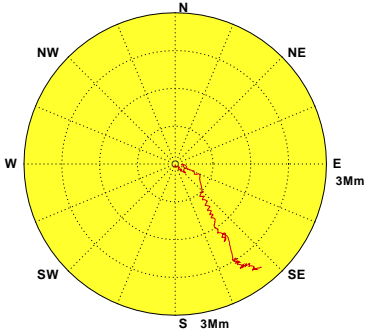
Wind of PNI0 at 2018/01 NO=740(99%)
 MEAN=2.1m/s MAX=6.4m/s(N)
 N-E:34% E-S:3% S-W:12% W-N:51% Calm:0%



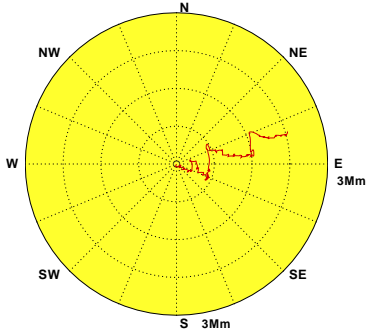
Wind of PNI0 at 2018/02 NO=672(100%)
 MEAN=2.3m/s MAX=7.3m/s(NE)
 N-E:34% E-S:3% S-W:13% W-N:50% Calm:0%



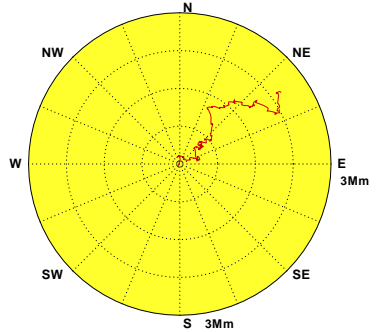
Wind of PNI0 at 2018/03 NO=744(100%)
 MEAN=2.2m/s MAX=6.4m/s(N)
 N-E:35% E-S:8% S-W:19% W-N:38% Calm:0%



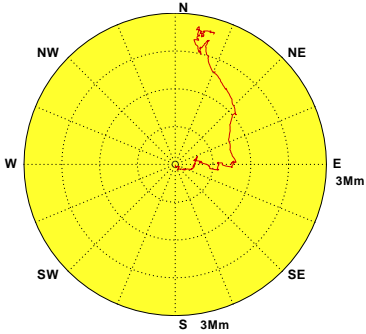
Wind of PNI0 at 2018/04 NO=716(99%)
 MEAN=2.5m/s MAX=9.0m/s(S)
 N-E:27% E-S:13% S-W:31% W-N:29% Calm:0%



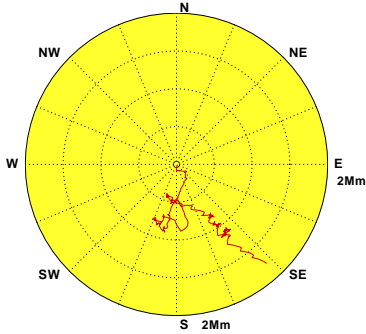
Wind of PNI0 at 2018/05 NO=743(100%)
 MEAN=2.4m/s MAX=7.1m/s(WNW)
 N-E:21% E-S:22% S-W:32% W-N:25% Calm:0%



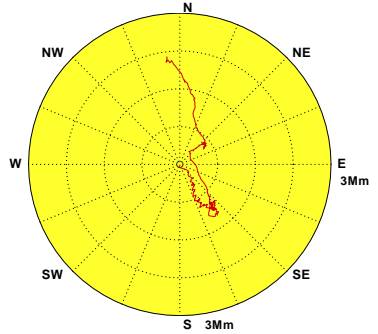
Wind of PNI0 at 2018/06 NO=720(100%)
 MEAN=3.0m/s MAX=14.8m/s(SSE)
 N-E:25% E-S:28% S-W:27% W-N:20% Calm:0%



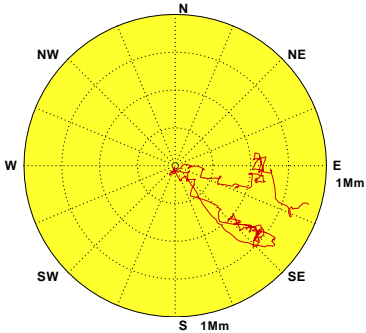
Wind of PNI0 at 2018/07 NO=744(100%)
 MEAN=2.6m/s MAX=8.4m/s(SSE)
 N-E:42% E-S:13% S-W:18% W-N:27% Calm:0%



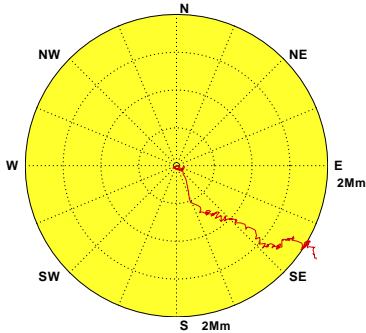
Wind of PNI0 at 2018/08 NO=743(100%)
 MEAN=3.1m/s MAX=14.9m/s(WSW)
 N-E:33% E-S:32% S-W:20% W-N:15% Calm:0%



Wind of PNI0 at 2018/09 NO=720(100%)
 MEAN=2.6m/s MAX=9.3m/s(SE)
 N-E:35% E-S:16% S-W:21% W-N:28% Calm:0%



Wind of PNI0 at 2018/10 NO=744(100%)
 MEAN=2.2m/s MAX=8.1m/s(WNW)
 N-E:34% E-S:9% S-W:26% W-N:31% Calm:0%



Wind of PNI0 at 2018/11 NO=719(100%)
 MEAN=2.1m/s MAX=5.7m/s(WNW)
 N-E:36% E-S:4% S-W:24% W-N:36% Calm:0%

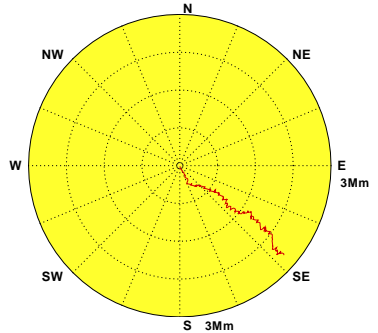


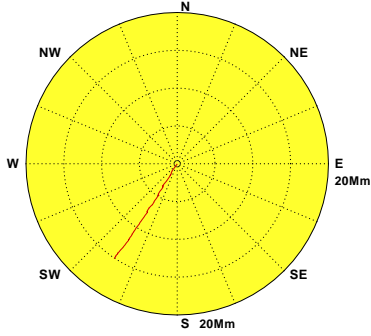
圖1.6.5 2018年屏東海域每月I站修補前觀測風力向量行進圖

W17CPNI0.1H0 W181PNI0.1H0 W182PNI0.1H0 W183PNI0.1H0 W184PNI0.1H0 W185PNI0.1H0
 W186PNI0.1H0 W187PNI0.1H0 W188PNI0.1H0 W189PNI0.1H0 W18APNI0.1H0 W18BPNI0.1H0

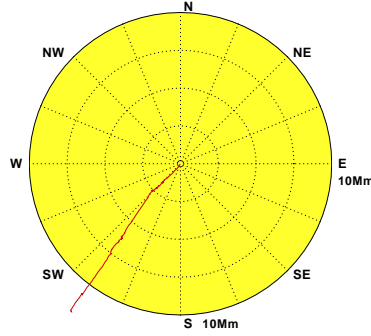
Institute of Harbor & Marine Technology

Progressive Vector Diagram of Wind

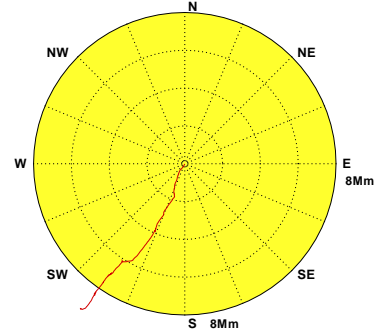
Wind of PNO0 at 2017/12 NO=744(100%)
MEAN=5.8m/s MAX=12.9m/s(NE)
N-E:90% E-S:1% S-W:0% W-N:9% Calm:0%



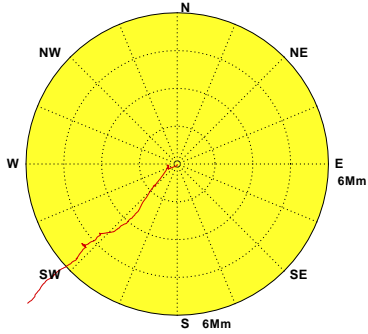
Wind of PNO0 at 2018/01 NO=744(100%)
MEAN=4.9m/s MAX=12.7m/s(NE)
N-E:84% E-S:4% S-W:2% W-N:10% Calm:0%



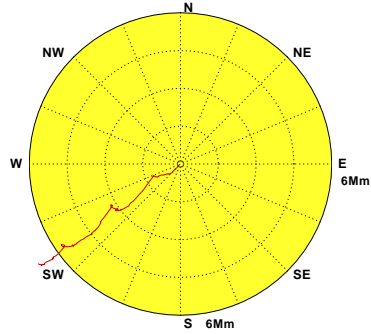
Wind of PNO0 at 2018/02 NO=672(100%)
MEAN=4.3m/s MAX=10.3m/s(NE)
N-E:79% E-S:10% S-W:1% W-N:10% Calm:0%



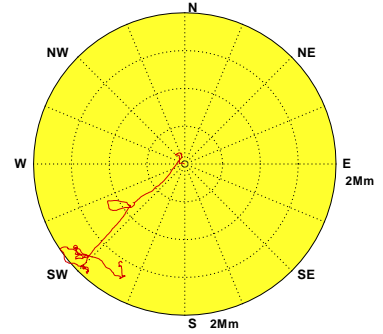
Wind of PNO0 at 2018/03 NO=744(100%)
MEAN=3.6m/s MAX=9.7m/s(NE)
N-E:74% E-S:11% S-W:3% W-N:10% Calm:2%



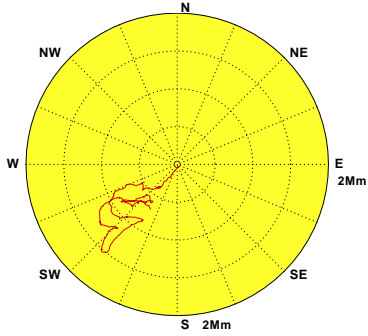
Wind of PNO0 at 2018/04 NO=720(100%)
MEAN=3.4m/s MAX=11.8m/s(NNE)
N-E:66% E-S:22% S-W:4% W-N:7% Calm:1%



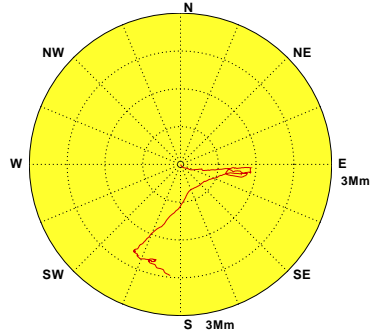
Wind of PNO0 at 2018/05 NO=744(100%)
MEAN=2.4m/s MAX=9.4m/s(NNE)
N-E:27% E-S:24% S-W:12% W-N:34% Calm:3%



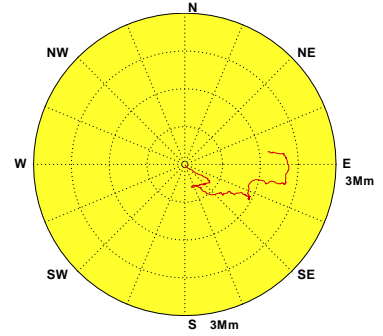
Wind of PNO0 at 2018/06 NO=720(100%)
MEAN=2.2m/s MAX=7.6m/s(ENE)
N-E:28% E-S:21% S-W:20% W-N:27% Calm:4%



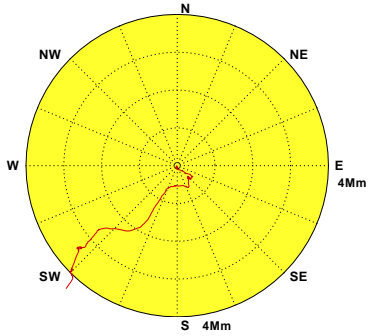
Wind of PNO0 at 2018/07 NO=744(100%)
MEAN=2.7m/s MAX=10.2m/s(NNE)
N-E:34% E-S:13% S-W:12% W-N:38% Calm:3%



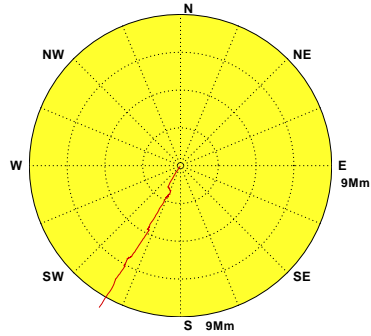
Wind of PNO0 at 2018/08 NO=744(100%)
MEAN=1.9m/s MAX=7.3m/s(WSW)
N-E:13% E-S:20% S-W:20% W-N:42% Calm:5%



Wind of PNO0 at 2018/09 NO=720(100%)
MEAN=2.7m/s MAX=12.5m/s(NE)
N-E:49% E-S:20% S-W:4% W-N:23% Calm:4%



Wind of PNO0 at 2018/10 NO=744(100%)
MEAN=4.0m/s MAX=13.2m/s(NE)
N-E:76% E-S:5% S-W:2% W-N:15% Calm:2%



Wind of PNO0 at 2018/11 NO=720(100%)
MEAN=3.9m/s MAX=15.6m/s(NE)
N-E:84% E-S:5% S-W:2% W-N:7% Calm:2%

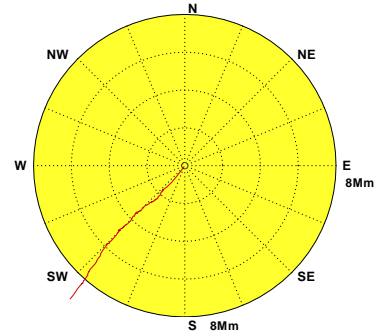


圖1.6.6 2018年屏東海域每月 O 站修補前觀測風力向量行進圖

W17CPNO0.1H0 W181PNO0.1H0 W182PNO0.1H0 W183PNO0.1H0 W184PNO0.1H0 W185PNO0.1H0
W186PNO0.1H0 W187PNO0.1H0 W188PNO0.1H0 W189PNO0.1H0 W18APNO0.1H0 W18BPNO0.1H0

Institute of Harbor & Marine Technology

Progressive Vector Diagram of Wind

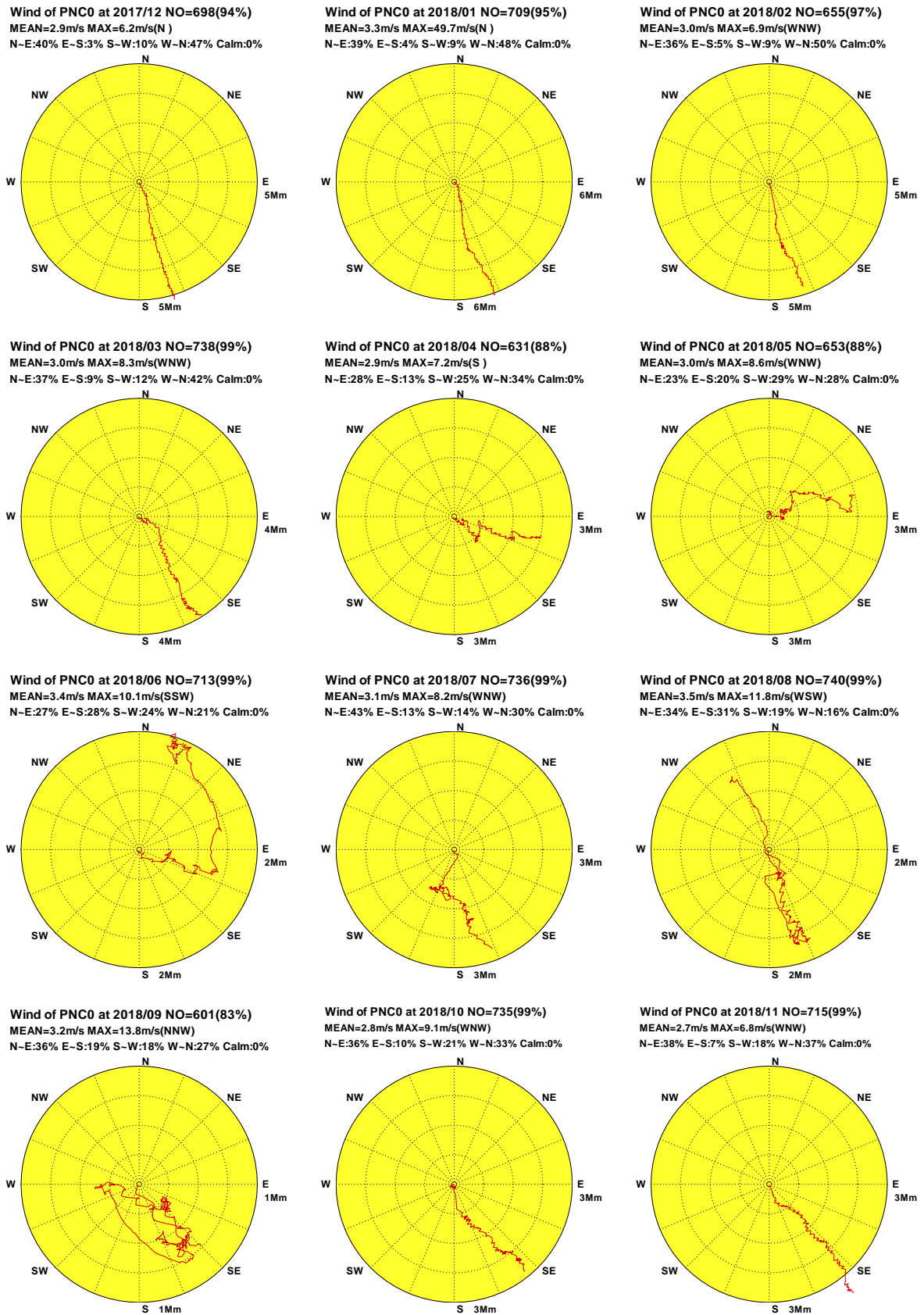


圖1.6.7 2018年屏東海域每月 C 站修補前觀測風力向量行進圖

W17CPNC0.1H0 W181PNC0.1H0 W182PNC0.1H0 W183PNC0.1H0 W184PNC0.1H0 W185PNC0.1H0
W186PNC0.1H0 W187PNC0.1H0 W188PNC0.1H0 W189PNC0.1H0 W18APNC0.1H0 W18BPNC0.1H0

Institute of Harbor & Marine Technology

Progressive Vector Diagram of Wind

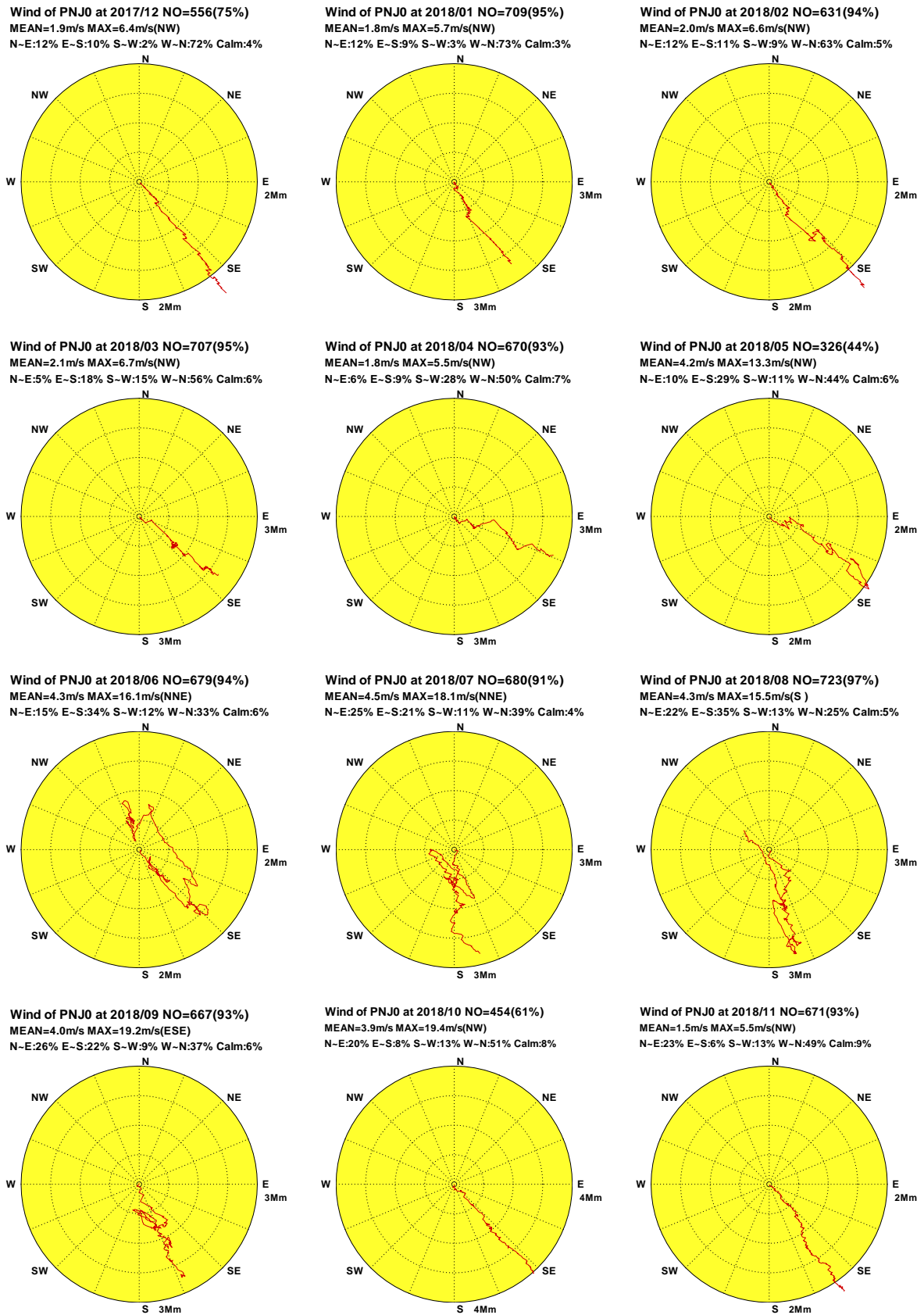


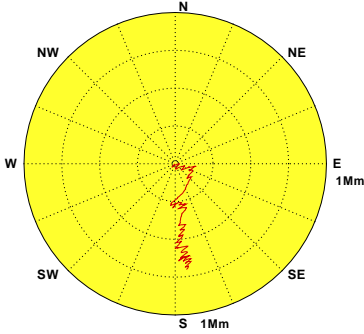
圖1.6.8 2018年屏東海域每月J站修補前觀測風力向量行進圖

W17CPNJ0.1H0 W181PNJ0.1H0 W182PNJ0.1H0 W183PNJ0.1H0 W184PNJ0.1H0 W185PNJ0.1H0
W186PNJ0.1H0 W187PNJ0.1H0 W188PNJ0.1H0 W189PNJ0.1H0 W18APNJ0.1H0 W18BPNJ0.1H0

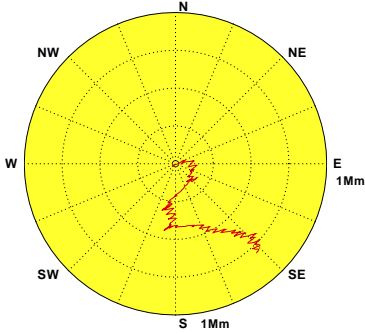
Institute of Harbor & Marine Technology

Progressive Vector Diagram of Wind

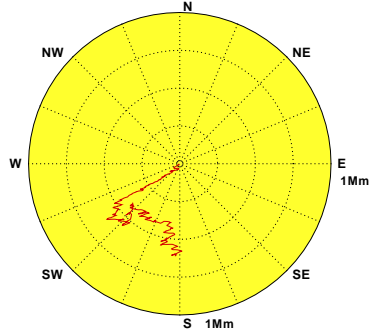
Wind of PNP0 at 2017/12 NO=551(74%)
 MEAN=1.2m/s MAX=4.3m/s(WSW)
 N-E:65% E-S:1% S-W:20% W-N:9% Calm:5%



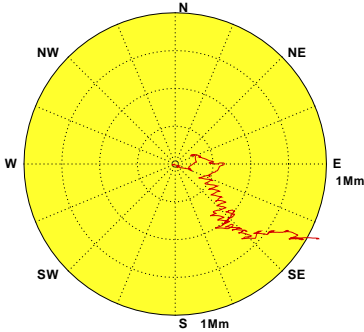
Wind of PNP0 at 2018/01 NO=711(96%)
 MEAN=1.4m/s MAX=4.1m/s(WSW)
 N-E:56% E-S:2% S-W:27% W-N:9% Calm:6%



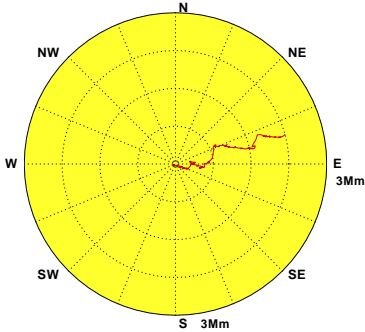
Wind of PNP0 at 2018/02 NO=655(97%)
 MEAN=1.3m/s MAX=4.7m/s(W)
 N-E:61% E-S:4% S-W:9% W-N:21% Calm:5%



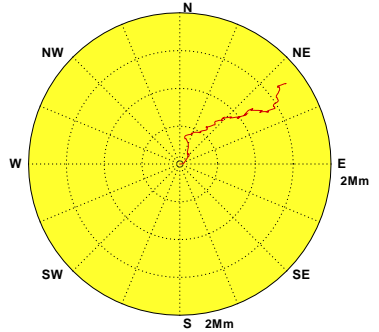
Wind of PNP0 at 2018/03 NO=708(95%)
 MEAN=1.7m/s MAX=6.3m/s(W)
 N-E:46% E-S:7% S-W:13% W-N:29% Calm:5%



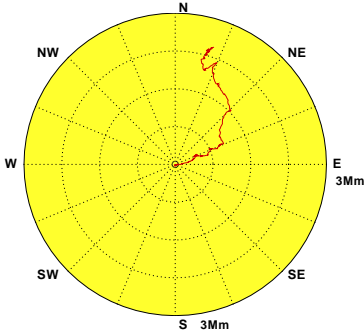
Wind of PNP0 at 2018/04 NO=696(97%)
 MEAN=2.1m/s MAX=7.1m/s(SSW)
 N-E:30% E-S:8% S-W:27% W-N:32% Calm:3%



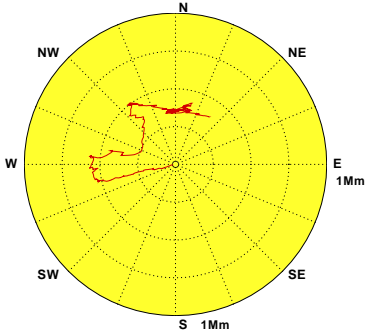
Wind of PNP0 at 2018/05 NO=403(54%)
 MEAN=2.0m/s MAX=5.2m/s(WSW)
 N-E:15% E-S:19% S-W:53% W-N:10% Calm:3%



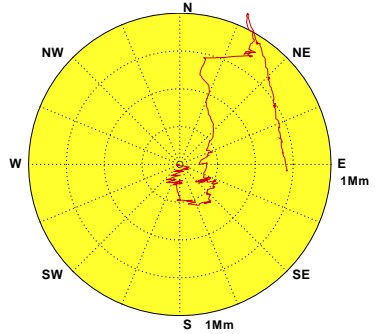
Wind of PNP0 at 2018/06 NO=681(95%)
 MEAN=2.4m/s MAX=12.7m/s(SW)
 N-E:30% E-S:23% S-W:38% W-N:6% Calm:3%



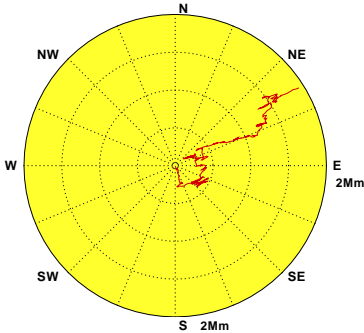
Wind of PNP0 at 2018/07 NO=705(95%)
 MEAN=1.7m/s MAX=5.8m/s(SSW)
 N-E:42% E-S:9% S-W:23% W-N:20% Calm:6%



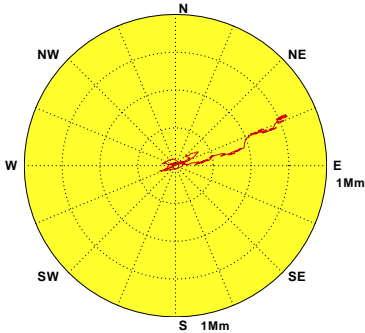
Wind of PNP0 at 2018/08 NO=723(97%)
 MEAN=2.2m/s MAX=13.2m/s(W)
 N-E:31% E-S:18% S-W:22% W-N:25% Calm:4%



Wind of PNP0 at 2018/09 NO=665(92%)
 MEAN=3.5m/s MAX=12.5m/s(SW)
 N-E:37% E-S:8% S-W:36% W-N:15% Calm:4%



Wind of PNP0 at 2018/10 NO=491(66%)
 MEAN=1.9m/s MAX=8.6m/s(WSW)
 N-E:39% E-S:8% S-W:37% W-N:9% Calm:7%



Wind of PNP0 at 2018/11 NO=670(93%)
 MEAN=1.3m/s MAX=5.0m/s(WSW)
 N-E:41% E-S:7% S-W:34% W-N:10% Calm:8%

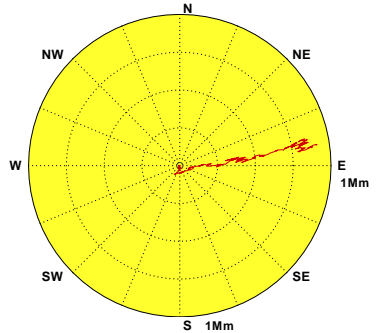


圖1.6.90 2018年屏東海域每月P站修補前觀測風力向量行進圖

W17CPNP0.1H0 W181PNP0.1H0 W182PNP0.1H0 W183PNP0.1H0 W184PNP0.1H0 W185PNP0.1H0
 W186PNP0.1H0 W187PNP0.1H0 W188PNP0.1H0 W189PNP0.1H0 W18APNP0.1H0 W18BPNP0.1H0

Institute of Harbor & Marine Technology

第二章 2018 年屏東海域觀測波浪資料年報

屏東海域波浪觀測包括測站 **Y**、測站 **Z** 及測站 **R** 等 3 個測站(測站位置如第 0 章圖 VJ1)。本年報取經檢核及補遺之 **Y 站** 資料作為主要測站 1，**Z 站** 資料作為主要測站 2。

2.1 2018 年屏東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 年屏東海域**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 年屏東海域**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 年屏東海域**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 年屏東海域**各測站修補前**每月波高向量分佈圖。

表 2.1.1a 2018年每月屏東海域修補前各測站觀測波浪資料紀錄表

海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域
年月/測站	Y	Z	R	U								
2017/12月	735(98.8%)	741(99.6%)	*	*	*	*	*	*	*	*	*	*
2018/ 1月	738(99.2%)	741(99.6%)	*	*	*	*	*	*	*	*	*	*
2018/ 2月	663(98.7%)	671(99.9%)	*	*	*	*	*	*	*	*	*	*
2018/ 3月	730(98.1%)	741(99.6%)	277(37.2%)	*	*	*	*	*	*	*	*	*
2018/ 4月	683(94.9%)	720(100%)	686(95.3%)	*	*	*	*	*	*	*	*	*
2018/ 5月	683(91.8%)	741(99.6%)	727(97.7%)	*	*	*	*	*	*	*	*	*
2018/ 6月	280(38.9%)	718(99.7%)	715(99.3%)	*	*	*	*	*	*	*	*	*
2018/ 7月	*	744(100%)	555(74.6%)	*	*	*	*	*	*	*	*	*
2018/ 8月	664(89.2%)	743(99.9%)	*	*	*	*	*	*	*	*	*	*
2018/ 9月	693(96.3%)	719(99.9%)	*	*	*	*	*	*	*	*	*	*
2018/10月	707(95.0%)	743(99.9%)	5(.7%)	*	*	*	*	*	*	*	*	*
2018/11月	713(99.0%)	717(99.6%)	*	*	*	*	*	*	*	*	*	*
2018/冬季	2136(98.9%)	2153(99.7%)	*	*	*	*	*	*	*	*	*	*
2018/春季	2096(94.9%)	2202(99.7%)	1690(76.5%)	*	*	*	*	*	*	*	*	*
2018/夏季	944(42.8%)	2205(99.9%)	1270(57.5%)	*	*	*	*	*	*	*	*	*
2018/秋季	2113(96.7%)	2179(99.8%)	5(.2%)	*	*	*	*	*	*	*	*	*
2018/整年	7289(83.2%)	8739(99.8%)	2965(33.8%)	*	*	*	*	*	*	*	*	*
起始年月	2017/12	2017/12	2018/03	*	*	*	*	*	*	*	*	*
結束年月	2018/11	2018/11	2018/10	*	*	*	*	*	*	*	*	*

2-1-3

表 2.1.1b 2018年每月屏東海域修補後各測站波浪資料紀錄表

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

2-1-4

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

觀測 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%	1.00	1.5/ 5.8/W	5.6	7.2	.0	100.0	.0	.0	81.0	19.0	.0	.0	100%	.0	40.9	26.9	32.3	w /26%
2018/01	100%	.91	1.7/ 6.6/W	5.5	7.4	.7	98.8	.5	.0	78.9	21.1	.0	.0	100%	.0	42.7	26.7	30.5	w /25%
2018/02	100%	.94	2.1/ 7.1/WSW	5.5	7.2	1.2	93.9	4.9	.0	75.0	25.0	.0	.0	100%	.0	44.0	15.6	40.3	w /31%
2018/03	100%	.70	1.4/ 4.8/SE	5.0	7.3	14.0	86.0	.0	.0	92.6	7.4	.0	.0	100%	.4	67.2	11.4	21.0	SE /34%
2018/04	100%	.59	1.3/ 5.3/S	4.5	6.7	28.2	71.8	.0	.0	99.0	1.0	.0	.0	100%	.4	70.6	13.5	15.6	SSE/36%
2018/05	100%	.40	1.1/ 4.3/SSE	4.3	7.2	71.5	28.5	.0	.0	99.7	.3	.0	.0	100%	2.2	42.1	37.5	18.3	SSE/19%
2018/06	100%	1.28	4.5/ 7.1/SW	5.8	7.5	20.0	44.0	33.1	2.9	52.6	47.4	.0	.0	100%	.3	6.1	88.2	5.4	SW /39%
2018/07	100%	1.16	2.2/ 6.2/SW	5.9	7.4	.0	81.6	18.4	.0	45.3	54.7	.0	.0	100%	.1	.5	98.8	.5	SW /42%
2018/08	100%	1.89	4.6/ 7.2/S	6.5	8.5	.0	36.0	54.4	9.5	19.4	76.9	3.8	.0	100%	.0	.5	99.3	.1	SSW/55%
2018/09	100%	1.00	5.6/ 8.7/SSE	5.8	12.6	14.7	74.9	4.6	5.8	60.0	33.6	5.1	1.3	100%	.3	28.6	51.1	20.0	SW /19%
2018/10	100%	.61	2.2/10.1/SSE	4.9	10.3	43.7	54.4	1.9	.0	90.2	8.2	1.3	.3	100%	.1	28.5	27.7	43.7	w /24%
2018/11	100%	.72	1.8/ 7.0/SW	5.0	7.5	9.3	88.5	2.2	.0	93.6	6.4	.0	.0	100%	.0	36.8	28.1	35.1	w /19%
2018/冬	100%	.95	2.1/ 7.1/WSW	5.5	7.4	.6	97.7	1.7	.0	78.4	21.6	.0	.0	100%	.0	42.5	23.3	34.2	w /27%
2018/春	100%	.56	1.4/ 4.8/SE	4.6	7.3	38.0	62.0	.0	.0	97.1	2.9	.0	.0	100%	1.0	59.8	20.9	18.3	SSE/28%
2018/夏	100%	1.45	4.6/ 7.2/S	6.1	8.5	6.5	54.0	35.3	4.2	38.9	59.8	1.3	.0	100%	.1	2.4	95.5	2.0	SSW/40%
2018/秋	100%	.78	5.6/ 8.7/SSE	5.2	12.6	22.8	72.4	2.9	1.9	81.4	16.0	2.2	.5	100%	.1	31.3	35.5	33.1	w /18%
2018/年	100%	.93	5.6/ 8.7/SSE	5.3	12.6	17.1	71.4	10.0	1.5	73.9	25.1	.9	.1	100%	.3	33.9	43.9	21.8	SSE/16%

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

觀測 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%	.99	2.3/ 5.3/ENE	5.5	8.3	1.1	94.4	4.6	.0	59.9	39.8	.3	.0	100%	12.9	83.9	3.2	.0	SE /42%
2018/01	100%	.88	2.2/ 7.4/SE	5.5	8.8	7.0	88.8	4.2	.0	65.6	33.5	.9	.0	100%	8.2	84.0	7.4	.4	SE /44%
2018/02	100%	.78	2.0/ 8.1/SSE	5.6	8.1	15.8	83.3	.9	.0	59.4	39.9	.7	.0	100%	6.5	88.7	4.5	.3	SE /52%
2018/03	100%	.66	1.8/ 6.3/SE	5.6	8.7	22.8	76.5	.7	.0	69.6	30.0	.4	.0	100%	2.4	94.2	2.8	.5	SE /67%
2018/04	100%	.73	1.6/ 9.5/S	5.3	9.5	16.7	83.1	.3	.0	81.7	16.7	1.7	.0	100%	3.1	94.7	2.2	.0	SE /64%
2018/05	100%	.40	1.1/ 4.0/WSW	4.9	7.1	72.8	27.2	.0	.0	93.3	6.7	.0	.0	100%	4.0	80.1	14.0	1.9	SE /51%
2018/06	100%	1.18	5.4/ 8.5/SSW	6.0	8.5	29.3	41.3	25.1	4.3	51.8	46.7	1.5	.0	100%	.3	24.2	74.9	.7	SSW/39%
2018/07	100%	1.18	3.5/15.7/SSE	6.2	16.1	3.0	76.6	19.8	.7	46.4	48.9	2.8	1.9	100%	.1	20.6	78.2	1.1	SSW/38%
2018/08	100%	1.70	5.2/ 7.5/SSW	6.4	8.7	3.0	42.6	47.3	7.1	21.8	76.1	2.2	.0	100%	.0	3.0	96.4	.7	SSW/56%
2018/09	100%	1.09	7.2/13.0/SE	7.0	14.8	30.1	52.5	8.9	8.5	44.0	30.1	12.8	13.1	100%	.0	53.9	45.1	1.0	SE /28%
2018/10	100%	.71	3.7/ 9.8/SSE	5.6	13.5	39.5	52.4	7.7	.4	79.6	10.5	4.8	5.1	100%	11.2	78.5	8.7	1.6	SE /54%
2018/11	100%	.66	2.0/ 7.0/SE	5.6	9.0	34.3	64.3	1.4	.0	72.6	26.3	1.1	.0	100%	4.7	84.2	10.0	1.1	SE /53%
2018/冬	100%	.89	2.3/ 5.3/ENE	5.5	8.8	7.7	89.0	3.3	.0	61.7	37.6	.6	.0	100%	9.3	85.4	5.0	.2	SE /46%
2018/春	100%	.60	1.8/ 6.3/SE	5.3	9.5	37.7	62.0	.3	.0	81.5	17.8	.7	.0	100%	3.2	89.6	6.4	.8	SE /60%
2018/夏	100%	1.36	5.4/ 8.5/SSW	6.2	16.1	11.5	53.6	30.8	4.0	39.9	57.3	2.2	.6	100%	.1	15.8	83.2	.8	SSW/44%
2018/秋	100%	.82	7.2/13.0/SE	6.0	14.8	34.7	56.4	6.0	2.9	65.6	22.2	6.2	6.0	100%	5.4	72.3	21.2	1.2	SE /45%
2018/年	100%	.91	7.2/13.0/SE	5.7	16.1	23.0	65.1	10.1	1.7	62.2	33.7	2.4	1.7	100%	4.5	65.7	29.1	.8	SE /40%

Wave H_s in Peng-Tung Seas of PNY0 at 2018

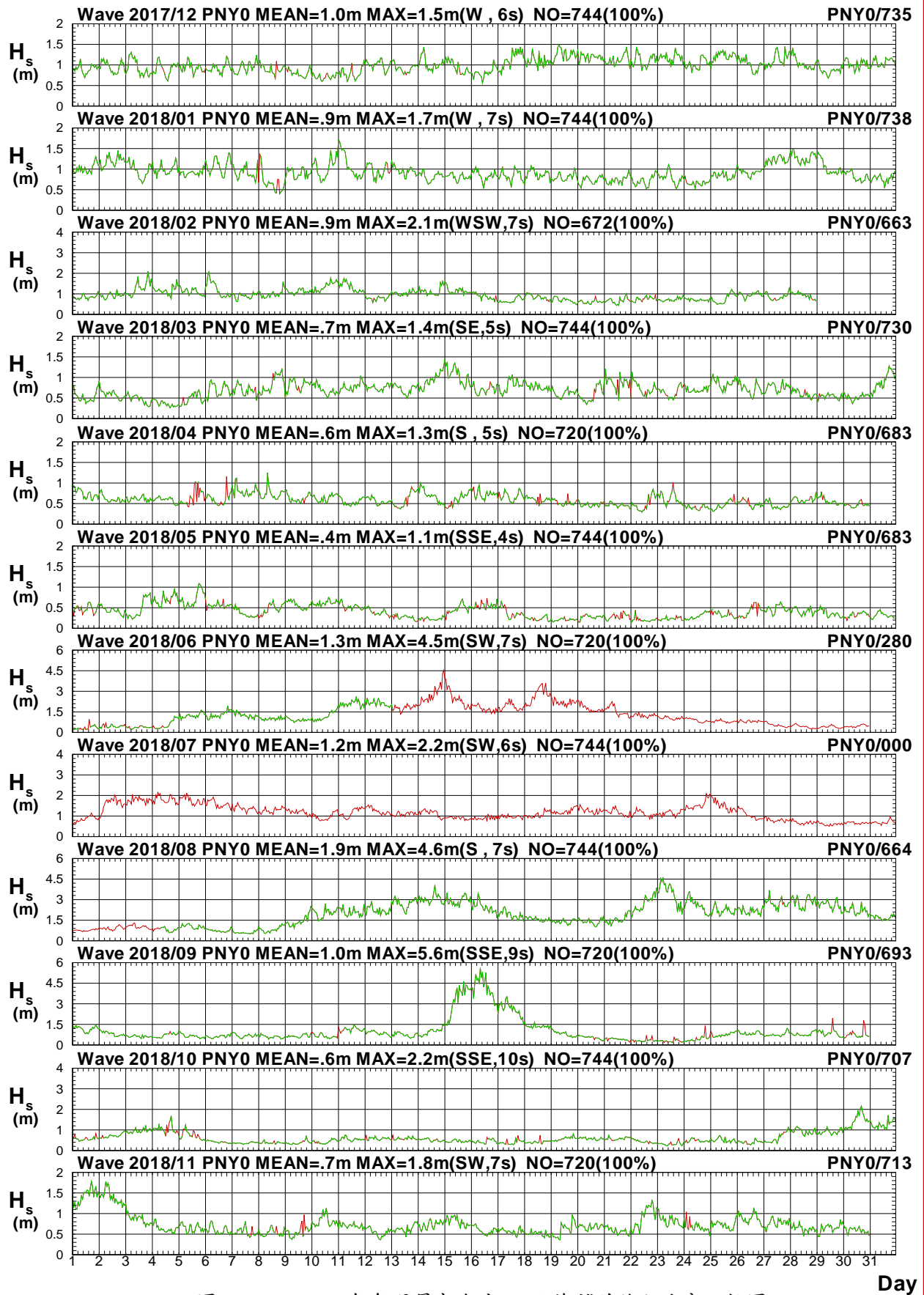


圖2.1.1a 2018年每月屏東海域 Y 站修補前後之波高比較圖

V17CPNY0.1HA V17CPNY0.1HO V181PNY0.1HA V181PNY0.1HO V182PNY0.1HA V182PNY0.1HO
 V183PNY0.1HA V183PNY0.1HO V184PNY0.1HA V184PNY0.1HO V185PNY0.1HA V185PNY0.1HO

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNY0 at 2018

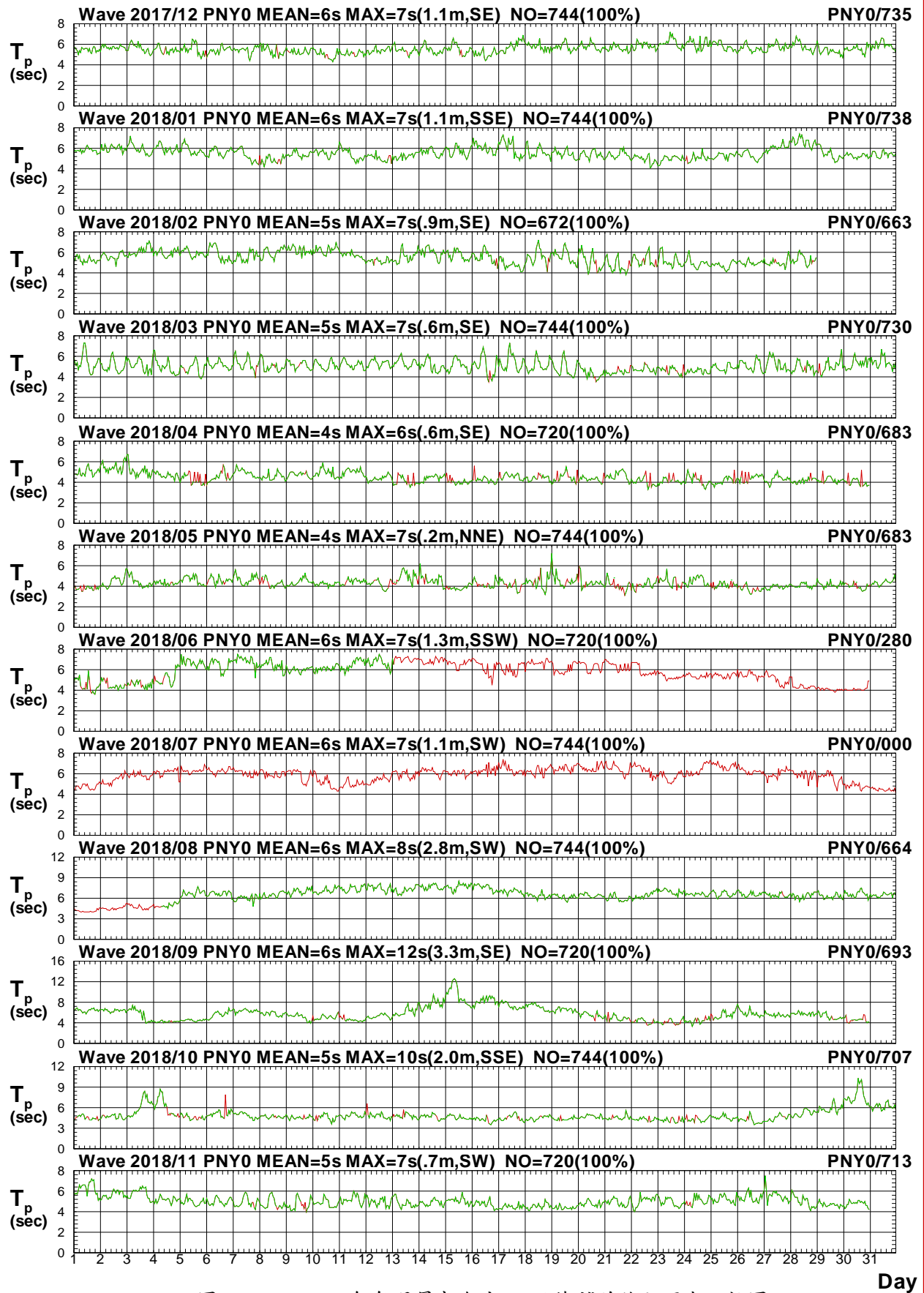


圖2.1.1b 2018年每月屏東海域 Y 站修補前後之週期比較圖

V17CPNY0.1HA V17CPNY0.1HO V181PNY0.1HA V181PNY0.1HO V182PNY0.1HA V182PNY0.1HO
 V183PNY0.1HA V183PNY0.1HO V184PNY0.1HA V184PNY0.1HO V185PNY0.1HA V185PNY0.1HO

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNY0 at 2018

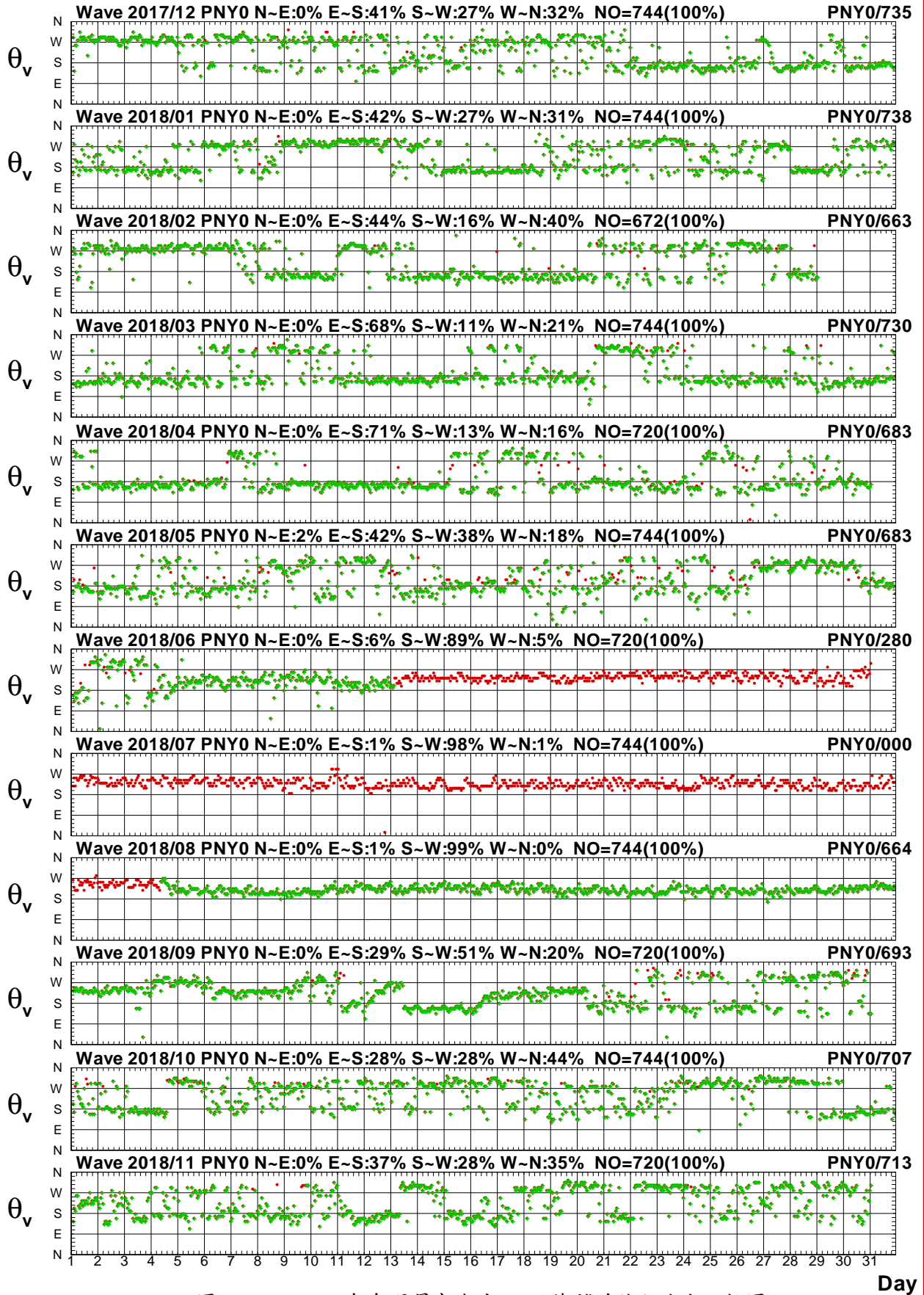


圖2.1.1c 2018年每月屏東海域 Y 站修補前後之波向比較圖

V17CPNY0.1HA V17CPNY0.1HO V181PNY0.1HA V181PNY0.1HO V182PNY0.1HA V182PNY0.1HO
 V183PNY0.1HA V183PNY0.1HO V184PNY0.1HA V184PNY0.1HO V185PNY0.1HA V185PNY0.1HO

Institute of Harbor & Marine Technology

Wave H_s in Peng-Tung Seas of PNZ0 at 2018

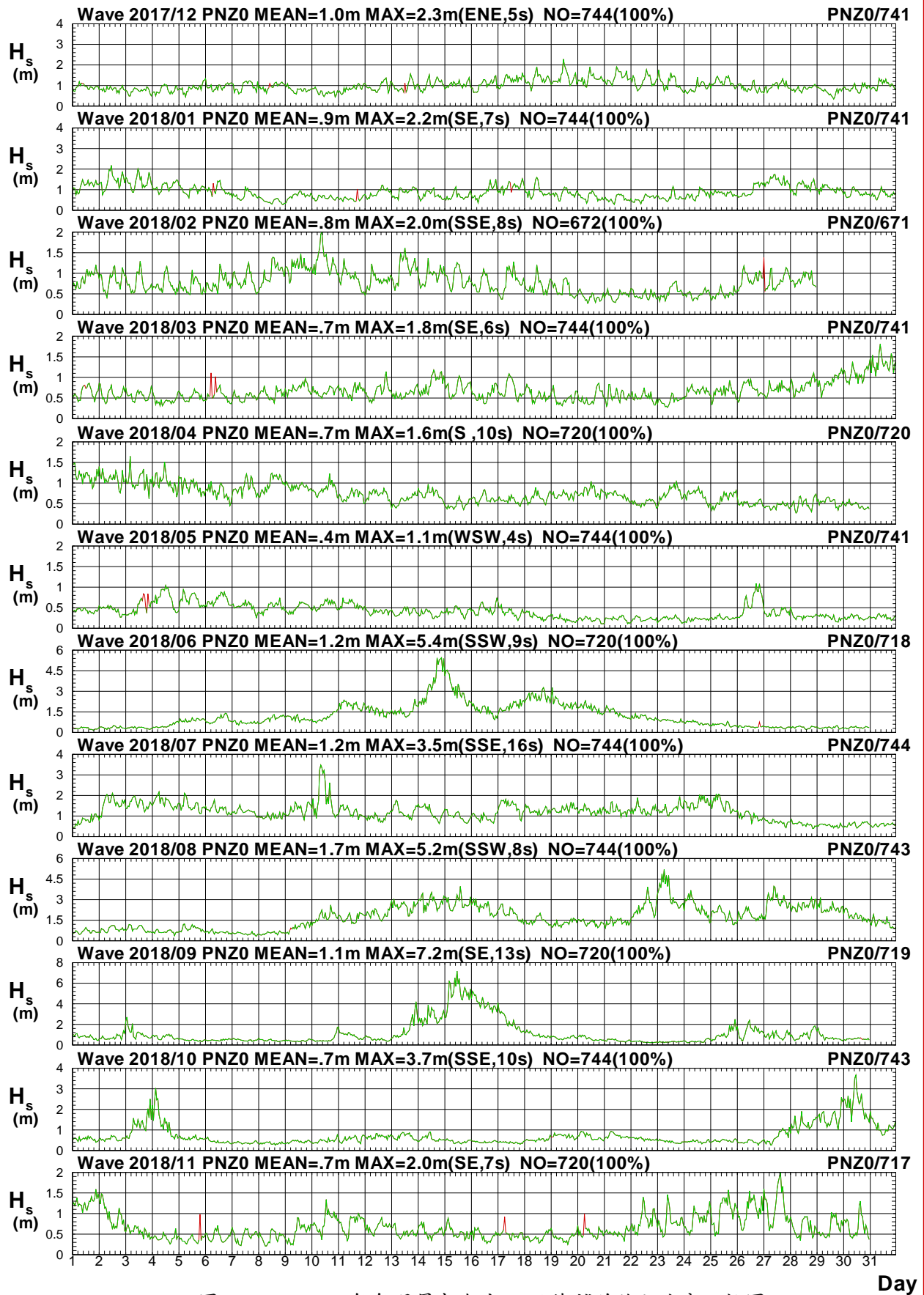


圖2.1.2a 2018年每月屏東海域 Z 站修補前後之波高比較圖

V17CPNZ0.1HA V17CPNZ0.1H0 V181PNZ0.1HA V181PNZ0.1H0 V182PNZ0.1HA V182PNZ0.1H0
 V183PNZ0.1HA V183PNZ0.1H0 V184PNZ0.1HA V184PNZ0.1H0 V185PNZ0.1HA V185PNZ0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNZ0 at 2018

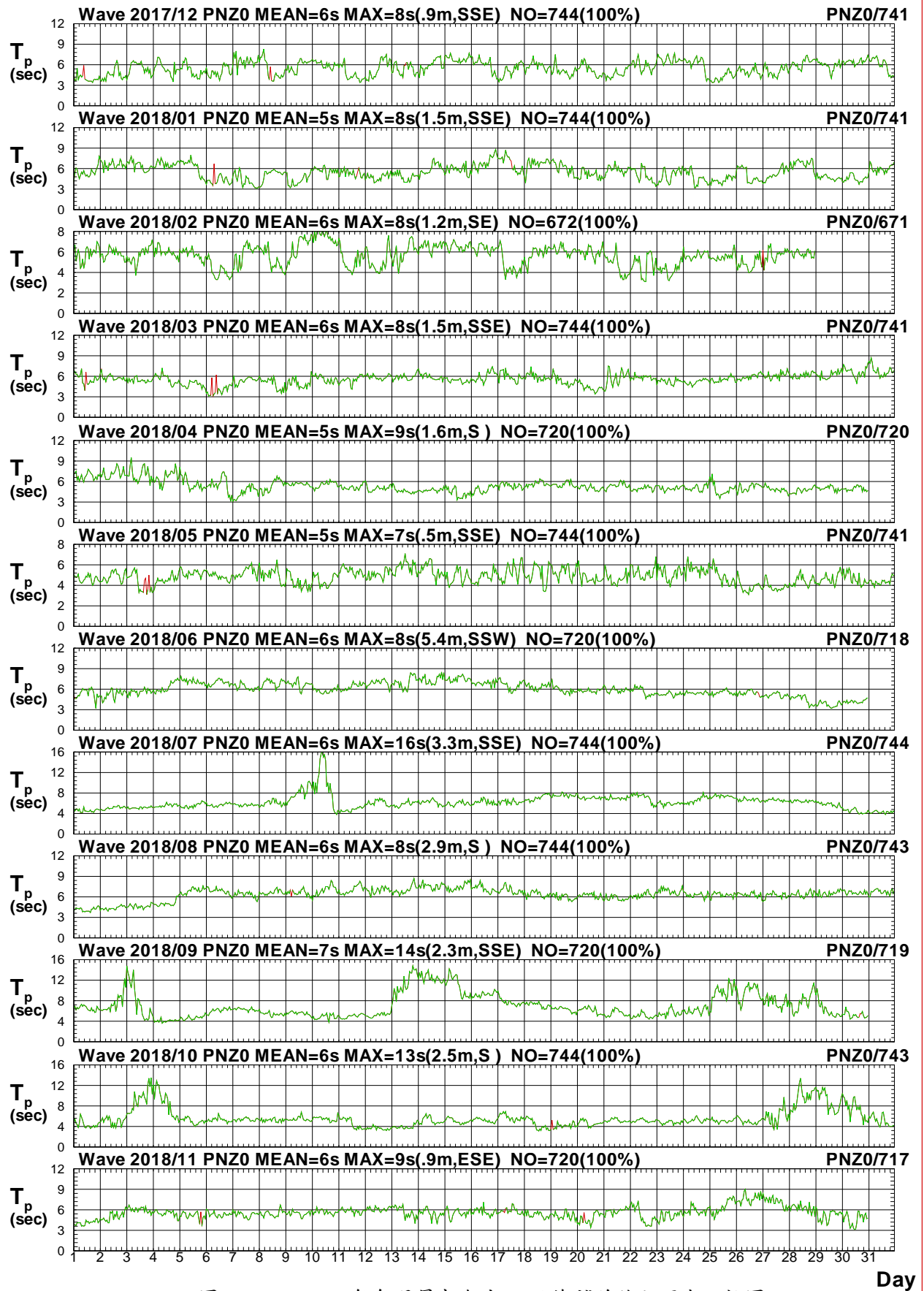


圖2.1.2b 2018年每月屏東海域 Z 站修補前後之週期比較圖

V17CPNZ0.1HA V17CPNZ0.1HO V181PNZ0.1HA V181PNZ0.1HO V182PNZ0.1HA V182PNZ0.1HO
 V183PNZ0.1HA V183PNZ0.1HO V184PNZ0.1HA V184PNZ0.1HO V185PNZ0.1HA V185PNZ0.1HO

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNZ0 at 2018

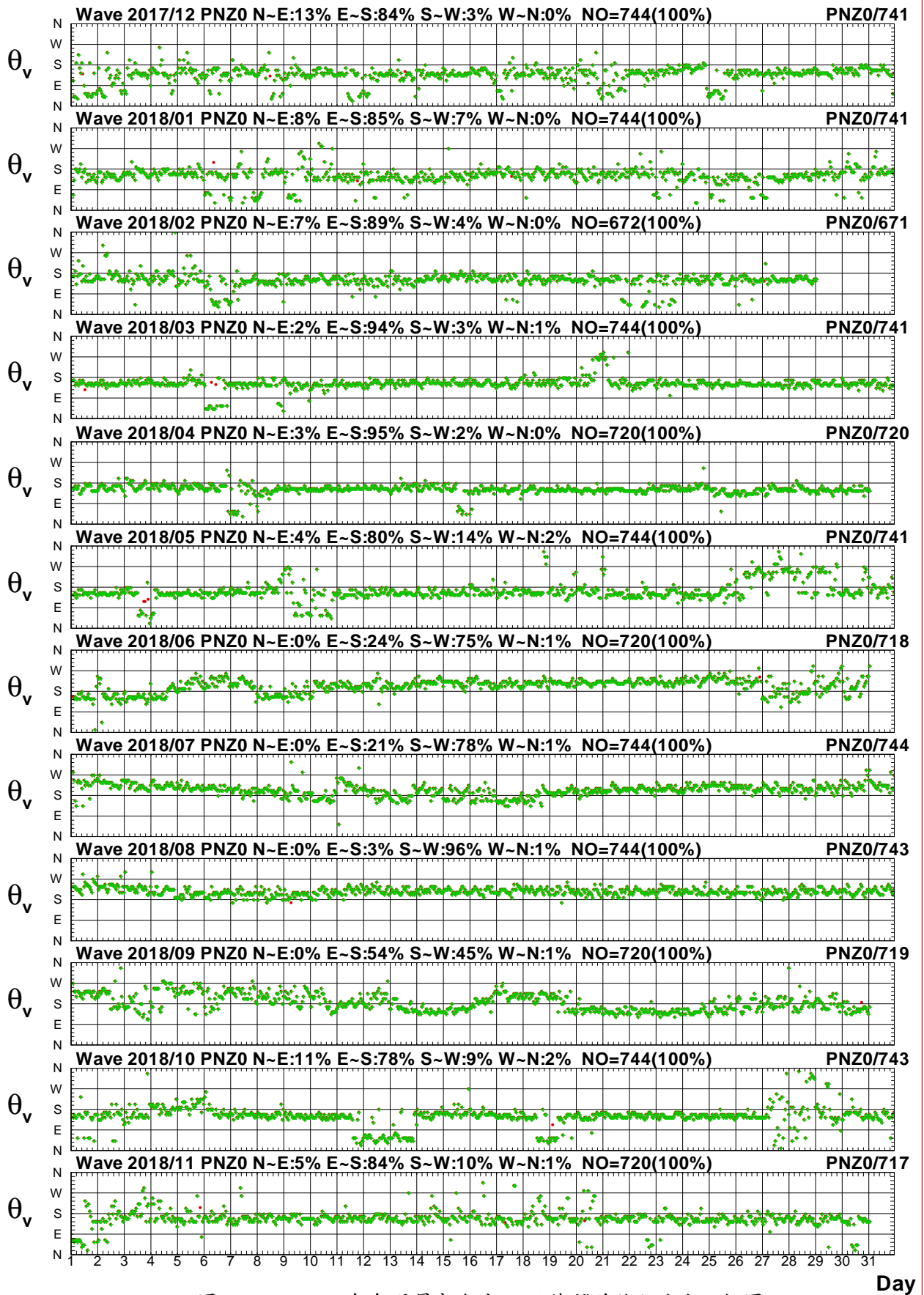


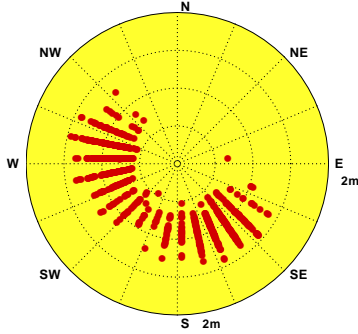
圖2.1.2c 2018年每月屏東海域乙站修補前後之波向比較圖

V17CPNZ0.1HA V17CPNZ0.1H0 V181PNZ0.1HA V181PNZ0.1H0 V182PNZ0.1HA V182PNZ0.1H0
 V183PNZ0.1HA V183PNZ0.1H0 V184PNZ0.1HA V184PNZ0.1H0 V185PNZ0.1HA V185PNZ0.1H0

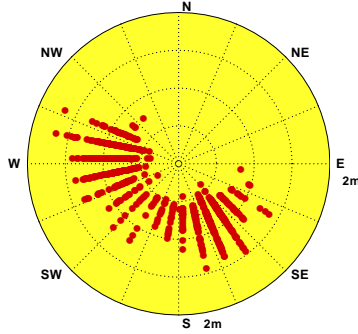
Institute of Harbor & Marine Technology

Distribution of H_s Vectors

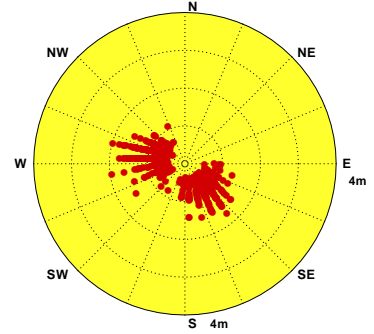
Wave of PNY0 at 2017/12 NO=744(100%)
Hs : MEAN=1.0m MAX=1.5m(W, 6s)
N-E:0% E-S:41% S-W:27% W-N:32%



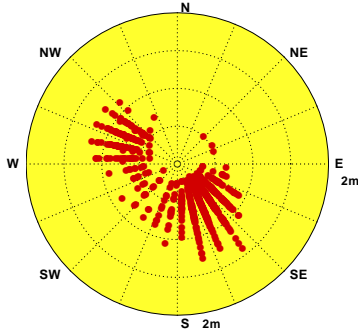
Wave of PNY0 at 2018/01 NO=744(100%)
Hs : MEAN=.9m MAX=1.7m(W, 7s)
N-E:0% E-S:42% S-W:27% W-N:31%



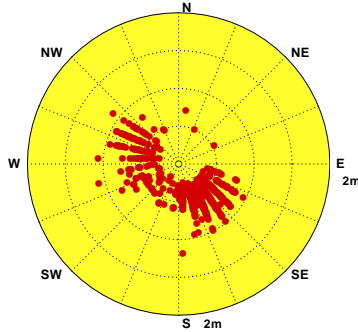
Wave of PNY0 at 2018/02 NO=672(100%)
Hs : MEAN=.9m MAX=2.1m(W, 7s)
N-E:0% E-S:44% S-W:16% W-N:40%



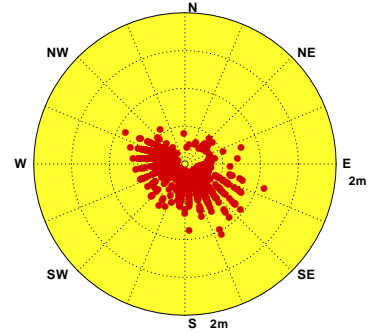
Wave of PNY0 at 2018/03 NO=744(100%)
Hs : MEAN=.7m MAX=1.4m(SE, 5s)
N-E:0% E-S:68% S-W:11% W-N:21%



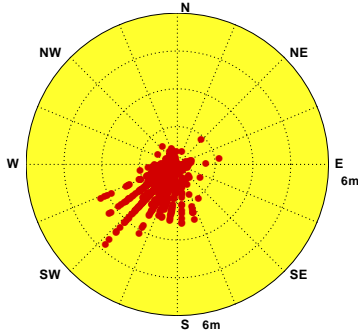
Wave of PNY0 at 2018/04 NO=720(100%)
Hs : MEAN=.6m MAX=1.3m(S, 5s)
N-E:0% E-S:71% S-W:13% W-N:16%



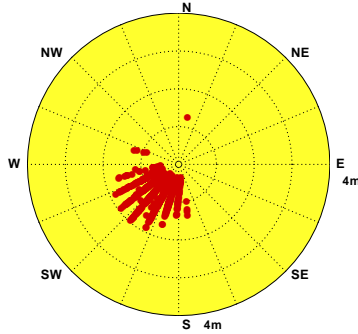
Wave of PNY0 at 2018/05 NO=744(100%)
Hs : MEAN=.4m MAX=1.1m(SSE, 4s)
N-E:2% E-S:42% S-W:38% W-N:18%



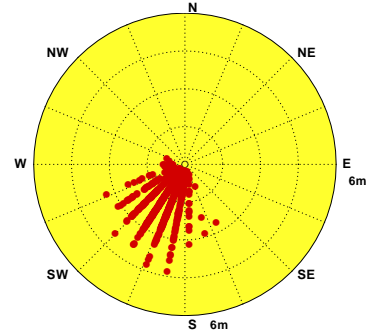
Wave of PNY0 at 2018/06 NO=720(100%)
Hs : MEAN=1.3m MAX=4.5m(SW, 7s)
N-E:0% E-S:6% S-W:89% W-N:5%



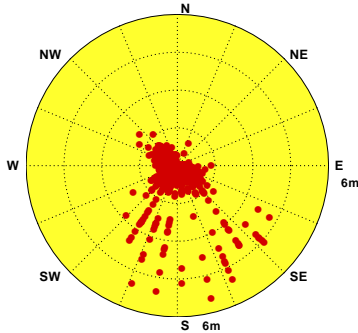
Wave of PNY0 at 2018/07 NO=744(100%)
Hs : MEAN=1.2m MAX=2.2m(SW, 6s)
N-E:0% E-S:1% S-W:98% W-N:1%



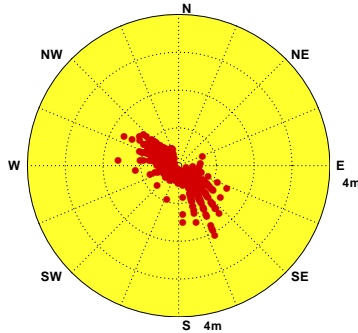
Wave of PNY0 at 2018/08 NO=744(100%)
Hs : MEAN=1.9m MAX=4.6m(S, 7s)
N-E:0% E-S:1% S-W:99% W-N:0%



Wave of PNY0 at 2018/09 NO=720(100%)
Hs : MEAN=1.0m MAX=5.6m(SSE, 9s)
N-E:0% E-S:29% S-W:51% W-N:20%



Wave of PNY0 at 2018/10 NO=744(100%)
Hs : MEAN=.6m MAX=2.2m(SSE, 10s)
N-E:0% E-S:28% S-W:28% W-N:44%



Wave of PNY0 at 2018/11 NO=720(100%)
Hs : MEAN=.7m MAX=1.8m(SW, 7s)
N-E:0% E-S:37% S-W:28% W-N:35%

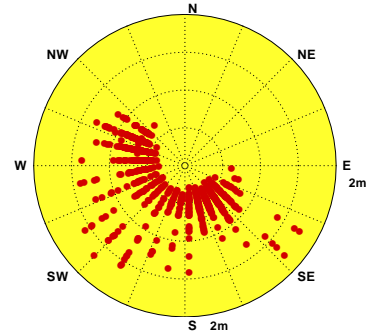


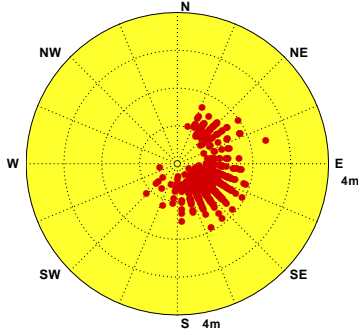
圖2.1.3 2018年屏東海域每月 Y 站修補後觀測波高向量分佈圖

V17CPNY0.1HA V181PNY0.1HA V182PNY0.1HA V183PNY0.1HA V184PNY0.1HA V185PNY0.1HA
V186PNY0.1HA V187PNY0.1HA V188PNY0.1HA V189PNY0.1HA V18APNY0.1HA V18BPNY0.1HA

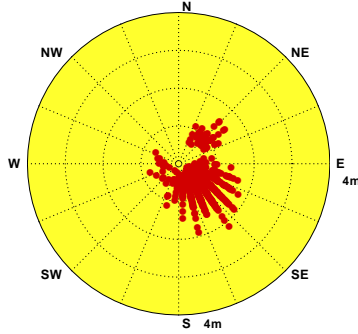
Institute of Harbor & Marine Technology

Distribution of H_s Vectors

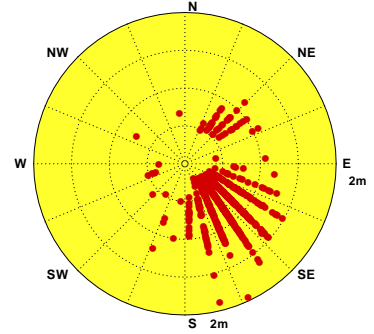
Wave of PNZ0 at 2017/12 NO=744(100%)
 Hs : MEAN=1.0m MAX=2.3m(ENE,5s)
 N-E:13% E-S:84% S-W:3% W-N:0%



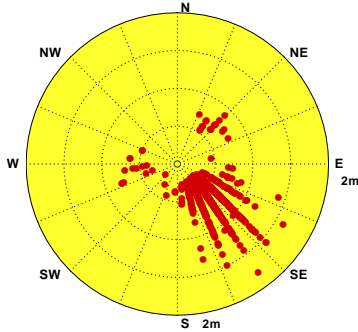
Wave of PNZ0 at 2018/01 NO=744(100%)
 Hs : MEAN=.9m MAX=2.2m(SE,7s)
 N-E:8% E-S:85% S-W:7% W-N:0%



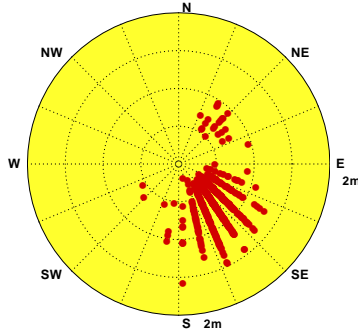
Wave of PNZ0 at 2018/02 NO=672(100%)
 Hs : MEAN=.8m MAX=2.0m(SSE,8s)
 N-E:7% E-S:89% S-W:4% W-N:0%



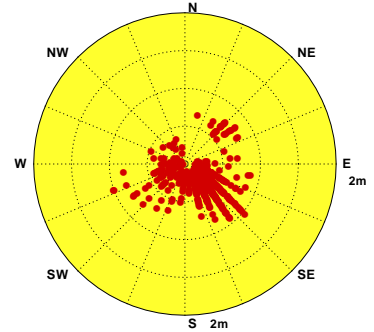
Wave of PNZ0 at 2018/03 NO=744(100%)
 Hs : MEAN=.7m MAX=1.8m(SE,6s)
 N-E:2% E-S:94% S-W:3% W-N:1%



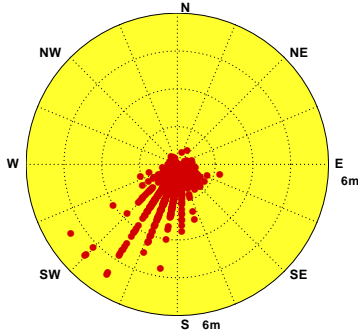
Wave of PNZ0 at 2018/04 NO=720(100%)
 Hs : MEAN=.7m MAX=1.6m(S,10s)
 N-E:3% E-S:95% S-W:2% W-N:0%



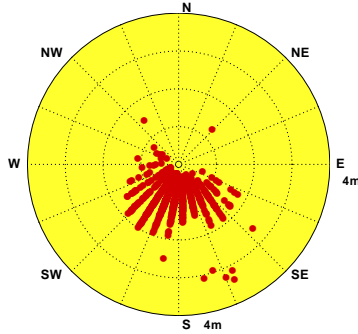
Wave of PNZ0 at 2018/05 NO=744(100%)
 Hs : MEAN=.4m MAX=1.1m(W,4s)
 N-E:4% E-S:80% S-W:14% W-N:2%



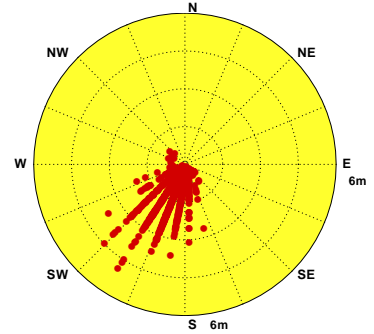
Wave of PNZ0 at 2018/06 NO=720(100%)
 Hs : MEAN=1.2m MAX=5.4m(SSW,9s)
 N-E:0% E-S:24% S-W:75% W-N:1%



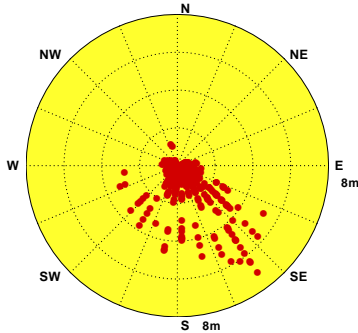
Wave of PNZ0 at 2018/07 NO=744(100%)
 Hs : MEAN=1.2m MAX=3.5m(SSE,16s)
 N-E:0% E-S:21% S-W:78% W-N:1%



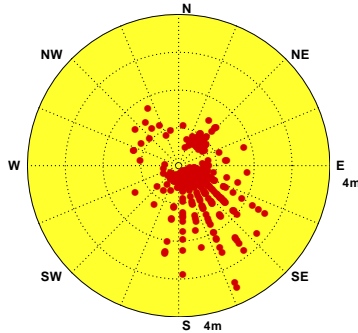
Wave of PNZ0 at 2018/08 NO=744(100%)
 Hs : MEAN=1.7m MAX=5.2m(SSW,8s)
 N-E:0% E-S:3% S-W:96% W-N:1%



Wave of PNZ0 at 2018/09 NO=720(100%)
 Hs : MEAN=1.1m MAX=7.2m(SE,13s)
 N-E:0% E-S:54% S-W:45% W-N:1%



Wave of PNZ0 at 2018/10 NO=744(100%)
 Hs : MEAN=.7m MAX=3.7m(SSE,10s)
 N-E:11% E-S:78% S-W:9% W-N:2%



Wave of PNZ0 at 2018/11 NO=720(100%)
 Hs : MEAN=.7m MAX=2.0m(SE,7s)
 N-E:5% E-S:84% S-W:10% W-N:1%

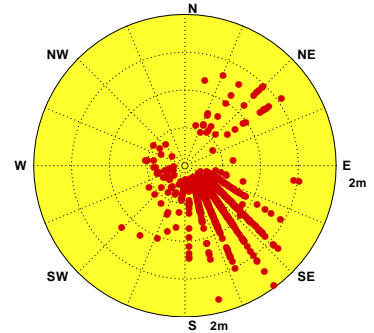


圖2.1.4 2018年屏東海域每月乙站修補後觀測波高向量分佈圖

V17CPNZ0.1HA V181PNZ0.1HA V182PNZ0.1HA V183PNZ0.1HA V184PNZ0.1HA V185PNZ0.1HA
 V186PNZ0.1HA V187PNZ0.1HA V188PNZ0.1HA V189PNZ0.1HA V18APNZ0.1HA V18BPNZ0.1HA

Institute of Harbor & Marine Technology

2.2 2018 年屏東海域各測站修補前 波浪統計量統計表

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

觀測日期	波高 蒐集率	H_s 平均 (m)	H_s 最大 (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	99%	1.00	1.5/ 5.8/w	5.6	7.2	.0	100.0	.0	.0	80.8	19.2	.0	.0	99%	.0	41.4	26.8	31.8	w /26%
2018/01	99%	.91	1.7/ 6.6/w	5.5	7.4	.7	98.8	.5	.0	78.7	21.3	.0	.0	99%	.0	43.1	26.7	30.2	w /25%
2018/02	99%	.95	2.1/ 7.1/wsw	5.5	7.2	1.2	93.8	5.0	.0	74.7	25.3	.0	.0	99%	.0	44.6	15.1	40.3	w /30%
2018/03	98%	.70	1.4/ 4.8/se	5.0	7.3	14.2	85.8	.0	.0	92.5	7.5	.0	.0	98%	.4	68.4	11.5	19.7	se /35%
2018/04	95%	.59	1.3/ 5.3/s	4.5	6.7	28.0	72.0	.0	.0	99.0	1.0	.0	.0	95%	.3	71.7	11.6	16.4	sse/36%
2018/05	92%	.41	1.1/ 4.3/sse	4.3	7.2	70.1	29.9	.0	.0	99.7	.3	.0	.0	92%	2.3	45.5	32.8	19.3	sse/21%
2018/06	39%	1.09	2.6/ 7.2/s	5.9	7.5	25.4	51.1	23.6	.0	40.7	59.3	.0	.0	39%	.7	15.4	71.1	12.9	ssw/32%
2018/07	0																		
2018/08	89%	2.01	4.6/ 7.2/s	6.7	8.5	.0	28.5	60.8	10.7	9.8	86.0	4.2	.0	89%	.0	.6	99.4	.0	ssw/60%
2018/09	96%	1.00	5.6/ 8.7/sse	5.8	12.6	14.0	75.6	4.3	6.1	58.6	34.8	5.3	1.3	96%	.3	29.7	51.9	18.0	sw /20%
2018/10	95%	.61	2.2/10.1/sse	4.9	10.3	44.4	53.6	2.0	.0	90.0	8.3	1.4	.3	95%	.1	30.0	27.7	42.1	w /23%
2018/11	99%	.72	1.8/ 7.0/sw	5.0	7.5	9.4	88.4	2.2	.0	93.5	6.5	.0	.0	99%	.0	37.2	28.3	34.5	w /19%
2018/冬	99%	.95	2.1/ 7.1/wsw	5.5	7.4	.6	97.7	1.7	.0	78.2	21.8	.0	.0	99%	.0	43.0	23.1	33.9	w /27%
2018/春	95%	.57	1.4/ 4.8/se	4.6	7.3	36.9	63.1	.0	.0	96.9	3.1	.0	.0	95%	1.0	62.0	18.5	18.5	sse/28%
2018/夏	43%	1.74	4.6/ 7.2/s	6.5	8.5	7.5	35.2	49.8	7.5	19.0	78.1	3.0	.0	43%	.2	5.0	91.0	3.8	ssw/52%
2018/秋	97%	.78	5.6/ 8.7/sse	5.2	12.6	22.6	72.6	2.8	2.0	80.9	16.4	2.2	.5	97%	.1	32.3	35.9	31.7	w /18%
2018/年	83%	.89	5.6/ 8.7/sse	5.3	12.6	18.3	72.3	7.8	1.6	76.7	22.1	1.0	.2	83%	.4	40.4	34.3	24.9	sse/19%

2-2-1

表2.2.2 2018年屏東海域 Z 站修補前示性波高週期及波向重要統計量統計表

觀測 日期 年、月	波高 蒐集 率	H_s 平均 (m)	H_s 最大 (波高/週期/波向) (m/s/來向)	T_p 平均 (s)	T_p 最大 (s)	小波 <0.5m (%)	小浪 ~1.5m (%)	中浪 ~3m (%)	大浪 >3m (%)	T_p <6s (%)	T_p 6~8s (%)	T_p 8~10s (%)	T_p >10s (%)	波向 蒐集 率	波向 N~E (%)	波向 E~S (%)	波向 S~W (%)	波向 W~N (%)	主波向 (百分比) 來向/%
2017/12	100%	.99	2.3/ 5.3/ENE	5.5	8.3	1.1	94.3	4.6	.0	59.8	39.9	.3	.0	100%	13.0	83.8	3.2	.0	SE /42%
2018/01	100%	.88	2.2/ 7.4/SE	5.5	8.8	7.0	88.8	4.2	.0	65.7	33.3	.9	.0	100%	8.2	84.1	7.3	.4	SE /44%
2018/02	100%	.78	2.0/ 8.1/SSE	5.6	8.1	15.8	83.3	.9	.0	59.5	39.8	.7	.0	100%	6.6	88.7	4.5	.3	SE /52%
2018/03	100%	.66	1.8/ 6.3/SE	5.6	8.7	22.9	76.4	.7	.0	69.8	29.8	.4	.0	100%	2.4	94.2	2.8	.5	SE /67%
2018/04	100%	.73	1.6/ 9.5/S	5.3	9.5	16.7	83.1	.3	.0	81.7	16.7	1.7	.0	100%	3.1	94.7	2.2	.0	SE /64%
2018/05	100%	.40	1.1/ 4.0/WSW	4.9	7.1	73.1	26.9	.0	.0	93.3	6.7	.0	.0	100%	4.0	80.0	14.0	1.9	SE /51%
2018/06	100%	1.18	5.4/ 8.5/SSW	6.0	8.5	29.2	41.2	25.2	4.3	51.7	46.8	1.5	.0	100%	.3	24.1	74.9	.7	SSW/39%
2018/07	100%	1.18	3.5/15.7/SSE	6.2	16.1	3.0	76.6	19.8	.7	46.4	48.9	2.8	1.9	100%	.1	20.6	78.2	1.1	SSW/38%
2018/08	100%	1.70	5.2/ 7.5/SSW	6.4	8.7	3.0	42.5	47.4	7.1	21.8	76.0	2.2	.0	100%	.0	2.8	96.5	.7	SSW/56%
2018/09	100%	1.09	7.2/13.0/SE	7.0	14.8	30.2	52.4	8.9	8.5	43.9	30.2	12.8	13.1	100%	.0	53.8	45.2	1.0	SE /28%
2018/10	100%	.71	3.7/ 9.8/SSE	5.6	13.5	39.6	52.4	7.7	.4	79.5	10.5	4.8	5.1	100%	11.2	78.5	8.7	1.6	SE /54%
2018/11	100%	.66	2.0/ 7.0/SE	5.6	9.0	34.4	64.2	1.4	.0	72.5	26.4	1.1	.0	100%	4.7	84.2	9.9	1.1	SE /53%
2018/冬	100%	.88	2.3/ 5.3/ENE	5.5	8.8	7.7	89.0	3.3	.0	61.7	37.6	.7	.0	100%	9.3	85.4	5.0	.2	SE /46%
2018/春	100%	.60	1.8/ 6.3/SE	5.3	9.5	37.8	61.9	.3	.0	81.6	17.8	.7	.0	100%	3.2	89.6	6.4	.8	SE /61%
2018/夏	100%	1.36	5.4/ 8.5/SSW	6.2	16.1	11.5	53.6	30.8	4.0	39.8	57.4	2.2	.6	100%	.1	15.7	83.3	.8	SSW/44%
2018/秋	100%	.82	7.2/13.0/SE	6.0	14.8	34.8	56.3	6.0	2.9	65.5	22.2	6.2	6.1	100%	5.4	72.2	21.2	1.2	SE /45%
2018/年	100%	.91	7.2/13.0/SE	5.7	16.1	23.0	65.1	10.2	1.8	62.1	33.8	2.4	1.7	100%	4.5	65.6	29.1	.8	SE /40%

2-2-2

表2.2.3 2018年屏東海域 R 站修補前示性波高週期及波向重要統計量統計表

觀測日期	波高	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	0																		
2018/01	0																		
2018/02	0																		
2018/03	37%	.50	1.2/ 7.0/SSE	5.5	7.7	54.9	45.1	.0	.0	76.2	23.8	.0	.0	37%	.0	63.2	36.8	.0	SSE/51%
2018/04	95%	.51	1.1/ 6.5/S	5.1	7.5	52.0	48.0	.0	.0	88.5	11.5	.0	.0	95%	.1	60.8	38.8	.3	SSE/53%
2018/05	98%	.26	.9/ 5.5/SSE	4.5	7.6	93.7	6.3	.0	.0	98.2	1.8	.0	.0	98%	.1	63.1	36.6	.1	SSE/40%
2018/06	99%	.85	4.3/ 7.8/SSE	5.8	8.6	38.0	47.3	13.3	1.4	57.8	41.1	1.1	.0	99%	.1	31.5	68.4	.0	S /48%
2018/07	75%	.90	1.5/ 8.2/S	6.0	10.0	4.9	95.0	.2	.0	54.8	43.6	1.4	.2	75%	.0	24.0	75.9	.2	S /52%
2018/08	0																		
2018/09	0																		
2018/10	1%	3.54	6.0/ 8.5/N	7.3	9.7	.0	.0	60.0	40.0	20.0	40.0	40.0	.0	1%	100.0	.0	.0	.0	N /**%
2018/11	0																		
2018/冬	0																		
2018/春	77%	.40	1.2/ 7.0/SSE	4.9	7.7	70.4	29.6	.0	.0	90.7	9.3	.0	.0	77%	.1	62.2	37.5	.2	SSE/47%
2018/夏	58%	.87	4.3/ 7.8/SSE	5.8	10.0	23.5	68.1	7.6	.8	56.5	42.2	1.3	.1	58%	.1	28.2	71.7	.1	S /50%
2018/秋	0%	3.54	6.0/ 8.5/N	7.3	9.7	.0	.0	60.0	40.0	20.0	40.0	40.0	.0	0%	100.0	.0	.0	.0	N /**%
2018/年	34%	.61	6.0/ 8.5/N	5.3	10.0	50.2	46.0	3.3	.4	75.9	23.5	.6	.0	34%	.3	47.5	52.1	.1	S /41%

2-2-3

2.3 2018 年屏東海域**主要測站 1**(修補後)與 **其他測站**(修補前)波浪歷線比較圖

Wave H_s in Peng-Tung Seas of PNY0 at 2018

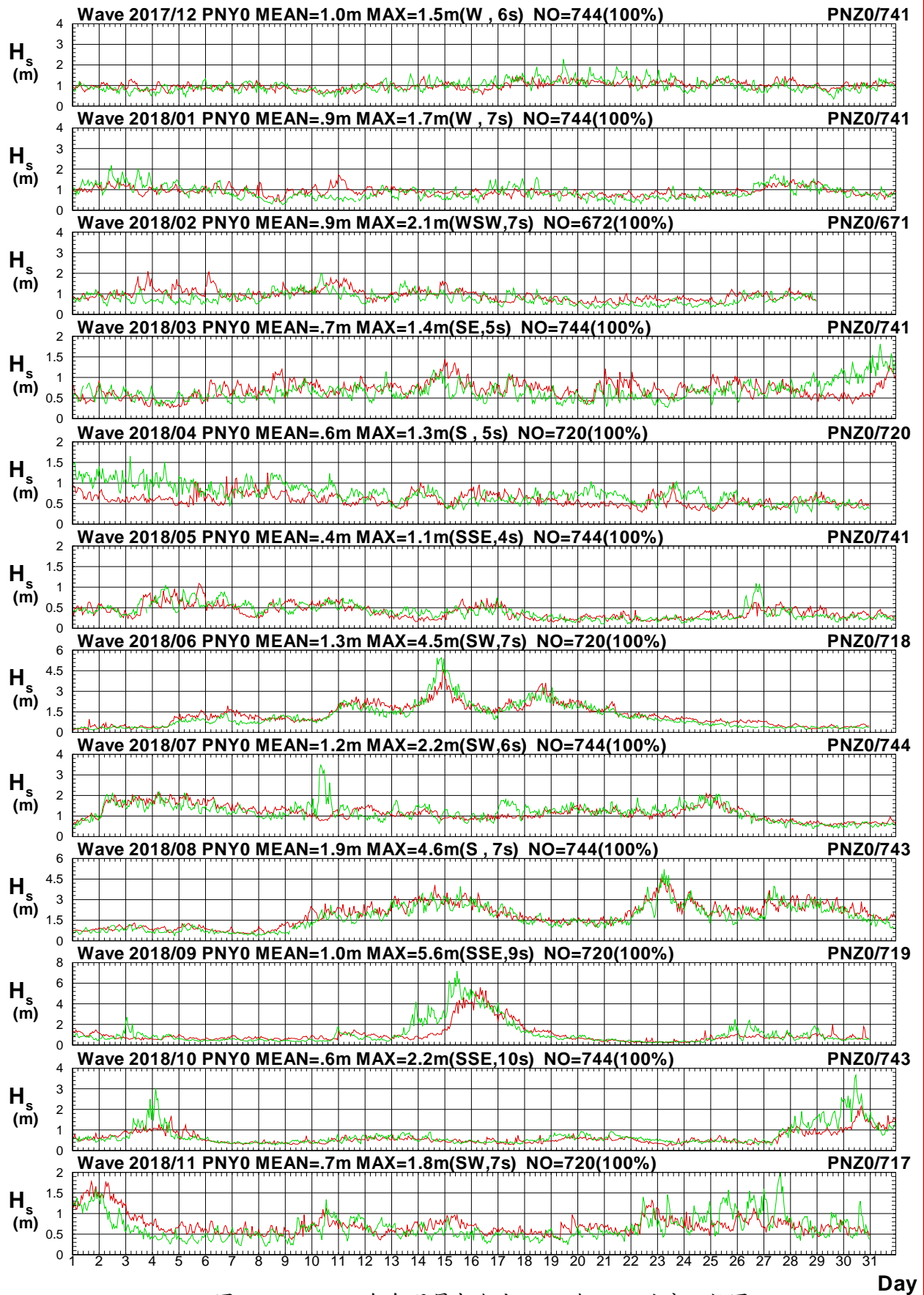


圖2.3.1a 2018年每月屏東海域 Y 站與 Z 站波高比較圖

V17CPNY0.1HA V17CPNZ0.1H0 V181PNY0.1HA V181PNZ0.1H0 V182PNY0.1HA V182PNZ0.1H0
 V183PNY0.1HA V183PNZ0.1H0 V184PNY0.1HA V184PNZ0.1H0 V185PNY0.1HA V185PNZ0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNY0 at 2018

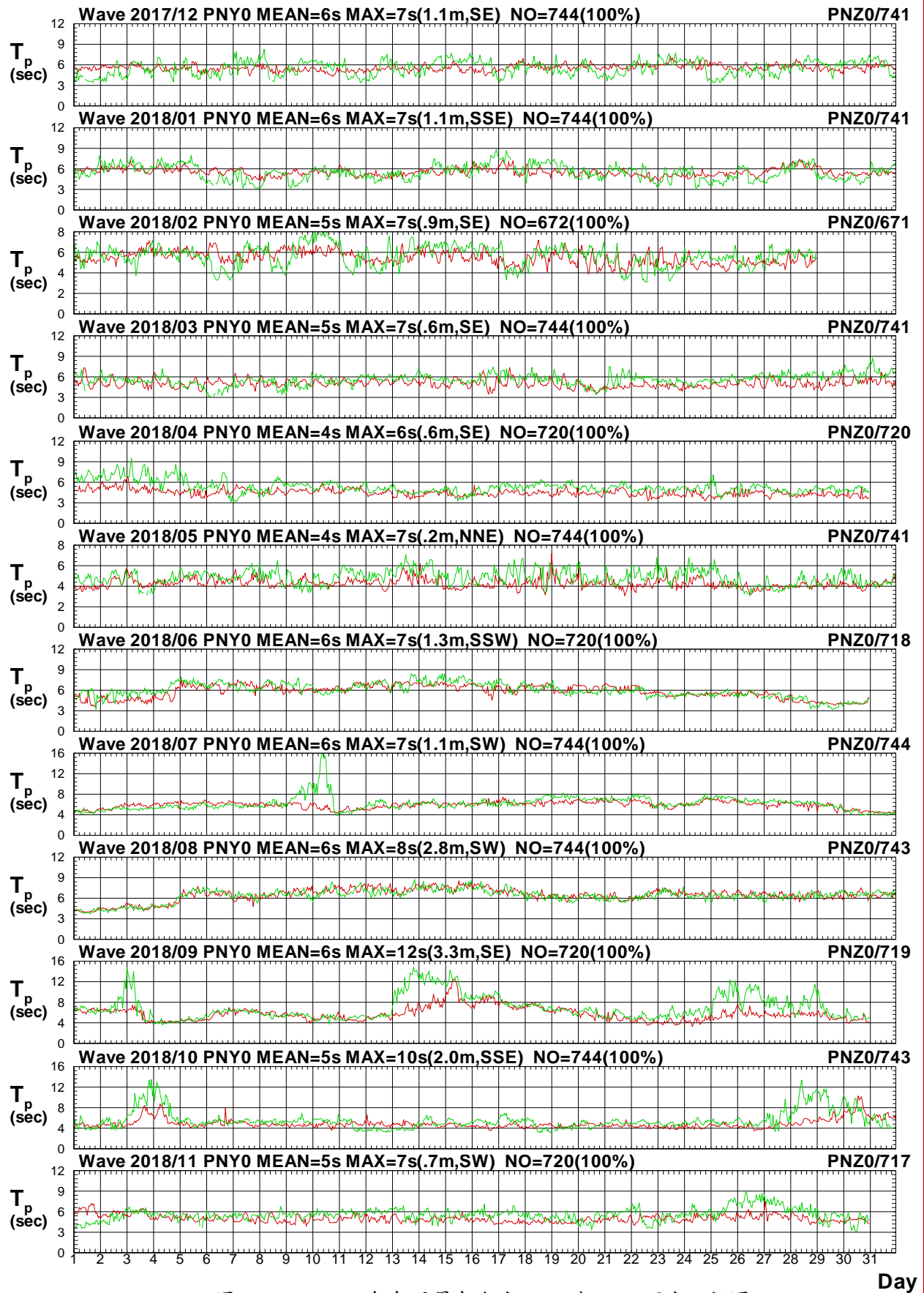


圖2.3.1b 2018年每月屏東海域 Y 站與 Z 站週期比較圖

V17CPNY0.1HA V17CPNZ0.1H0 V181PNY0.1HA V181PNZ0.1H0 V182PNY0.1HA V182PNZ0.1H0
 V183PNY0.1HA V183PNZ0.1H0 V184PNY0.1HA V184PNZ0.1H0 V185PNY0.1HA V185PNZ0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNY0 at 2018

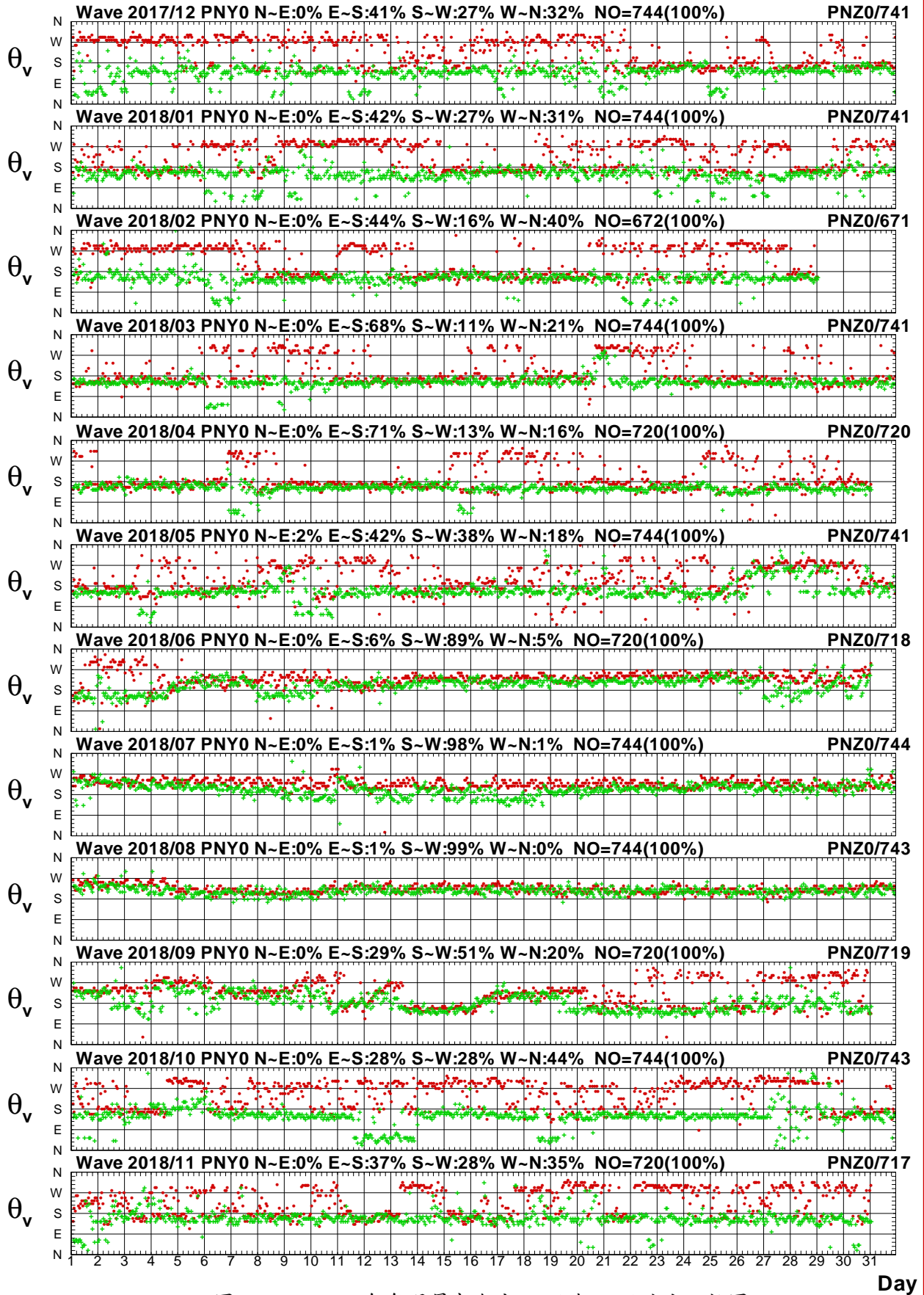


圖2.3.1c 2018年每月屏東海域 Y 站與 Z 站波向比較圖

V17CPNY0.1HA V17CPNZ0.1H0 V181PNY0.1HA V181PNZ0.1H0 V182PNY0.1HA V182PNZ0.1H0
 V183PNY0.1HA V183PNZ0.1H0 V184PNY0.1HA V184PNZ0.1H0 V185PNY0.1HA V185PNZ0.1H0

Institute of Harbor & Marine Technology

Wave H_s in Peng-Tung Seas of PNY0 at 2018

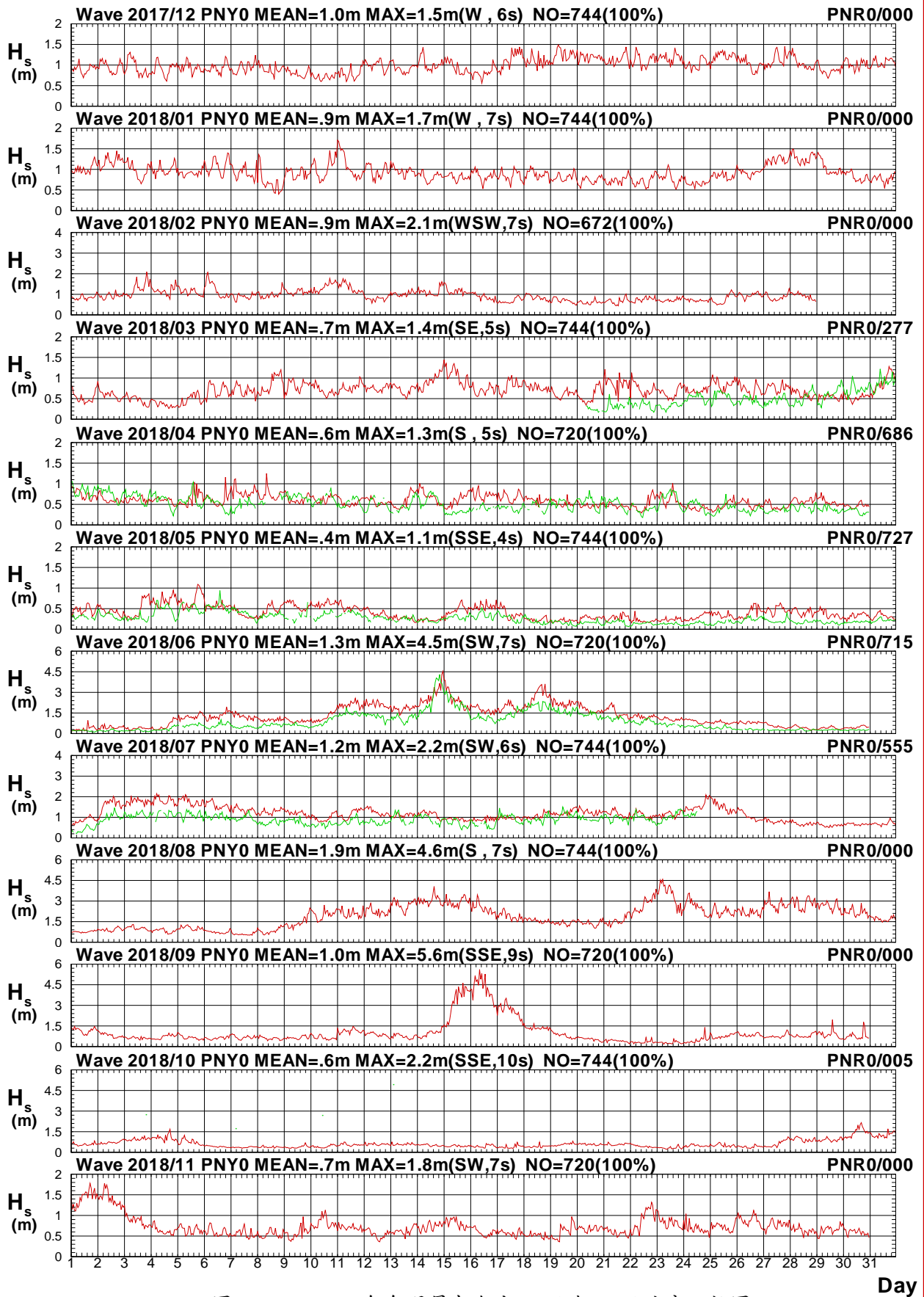


圖2.3.2a 2018年每月屏東海域 Y 站與 R 站波高比較圖

V17CPNY0.1HA V17CPNR0.1H0 V181PNY0.1HA V181PNR0.1H0 V182PNY0.1HA V182PNR0.1H0
 V183PNY0.1HA V183PNR0.1H0 V184PNY0.1HA V184PNR0.1H0 V185PNY0.1HA V185PNR0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNY0 at 2018

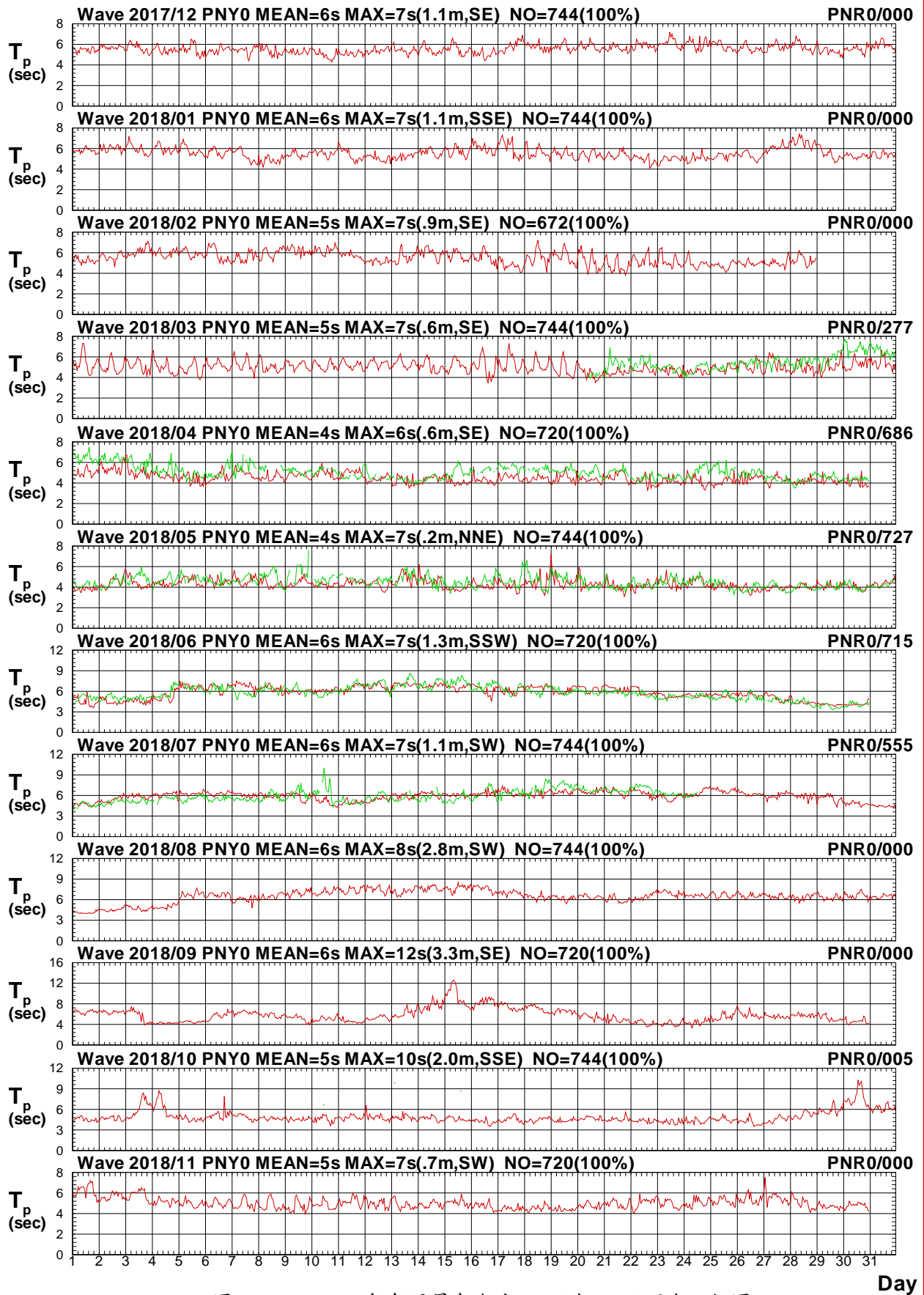


圖2.3.2b 2018年每月屏東海域 Y 站與 R 站週期比較圖

V17CPNY0.1HA V17CPNR0.1H0 V181PNY0.1HA V181PNR0.1H0 V182PNY0.1HA V182PNR0.1H0
 V183PNY0.1HA V183PNR0.1H0 V184PNY0.1HA V184PNR0.1H0 V185PNY0.1HA V185PNR0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNY0 at 2018

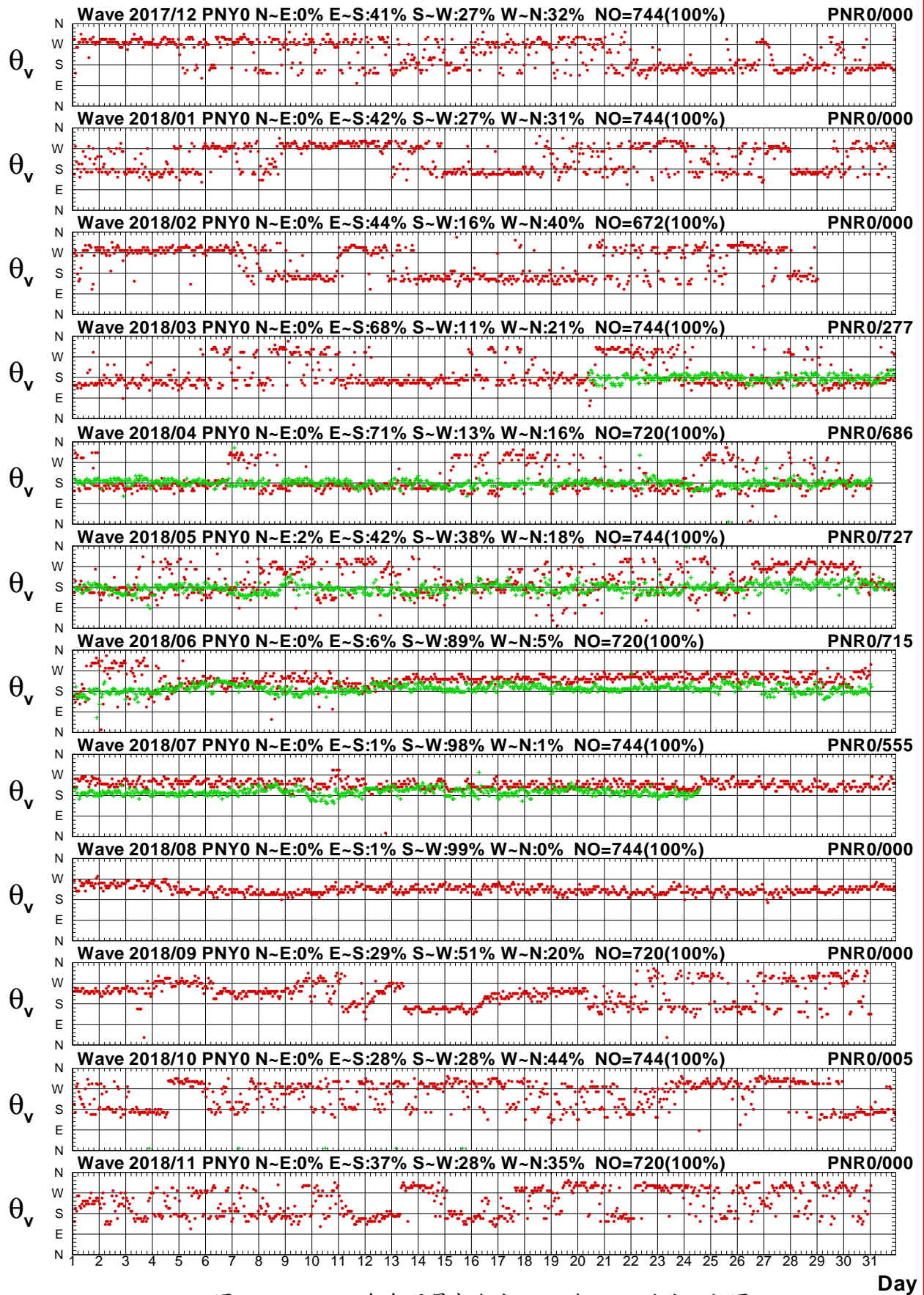


圖2.3.2c 2018年每月屏東海域 Y 站與 R 站波向比較圖

V17CPNY0.1HA V17CPNR0.1H0 V181PNY0.1HA V181PNR0.1H0 V182PNY0.1HA V182PNR0.1H0
 V183PNY0.1HA V183PNR0.1H0 V184PNY0.1HA V184PNR0.1H0 V185PNY0.1HA V185PNR0.1H0

Institute of Harbor & Marine Technology

Wave H_s in Peng-Tung Seas of PNY0 at 2018

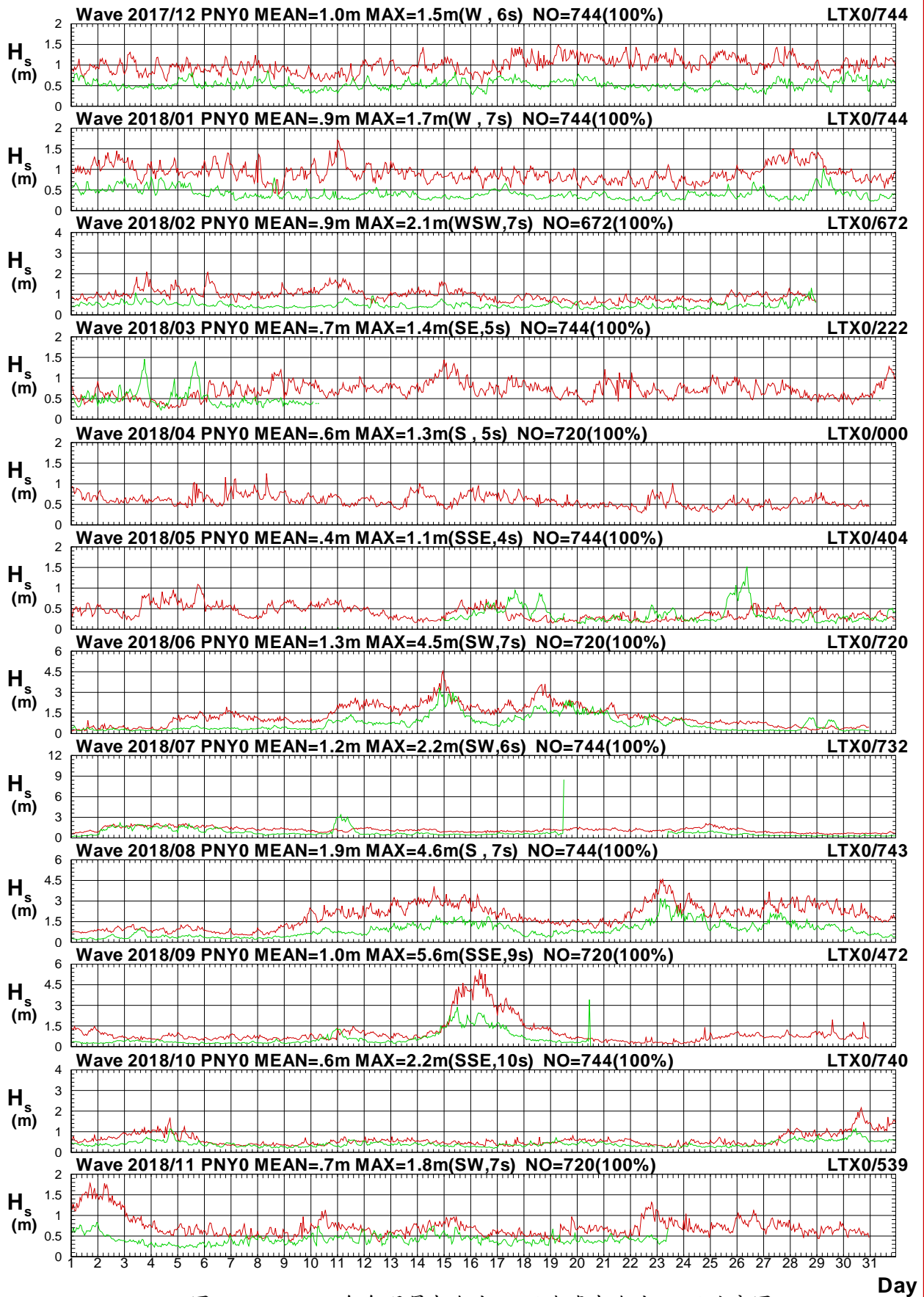


圖2.3.3a 2018年每月屏東海域 Y 站與臺東海域 X 站波高圖

V17CPNY0.1HA V17CLTX0.1H0 V181PNY0.1HA V181LTX0.1H0 V182PNY0.1HA V182LTX0.1H0
 V183PNY0.1HA V183LTX0.1H0 V184PNY0.1HA V184LTX0.1H0 V185PNY0.1HA V185LTX0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNY0 at 2018

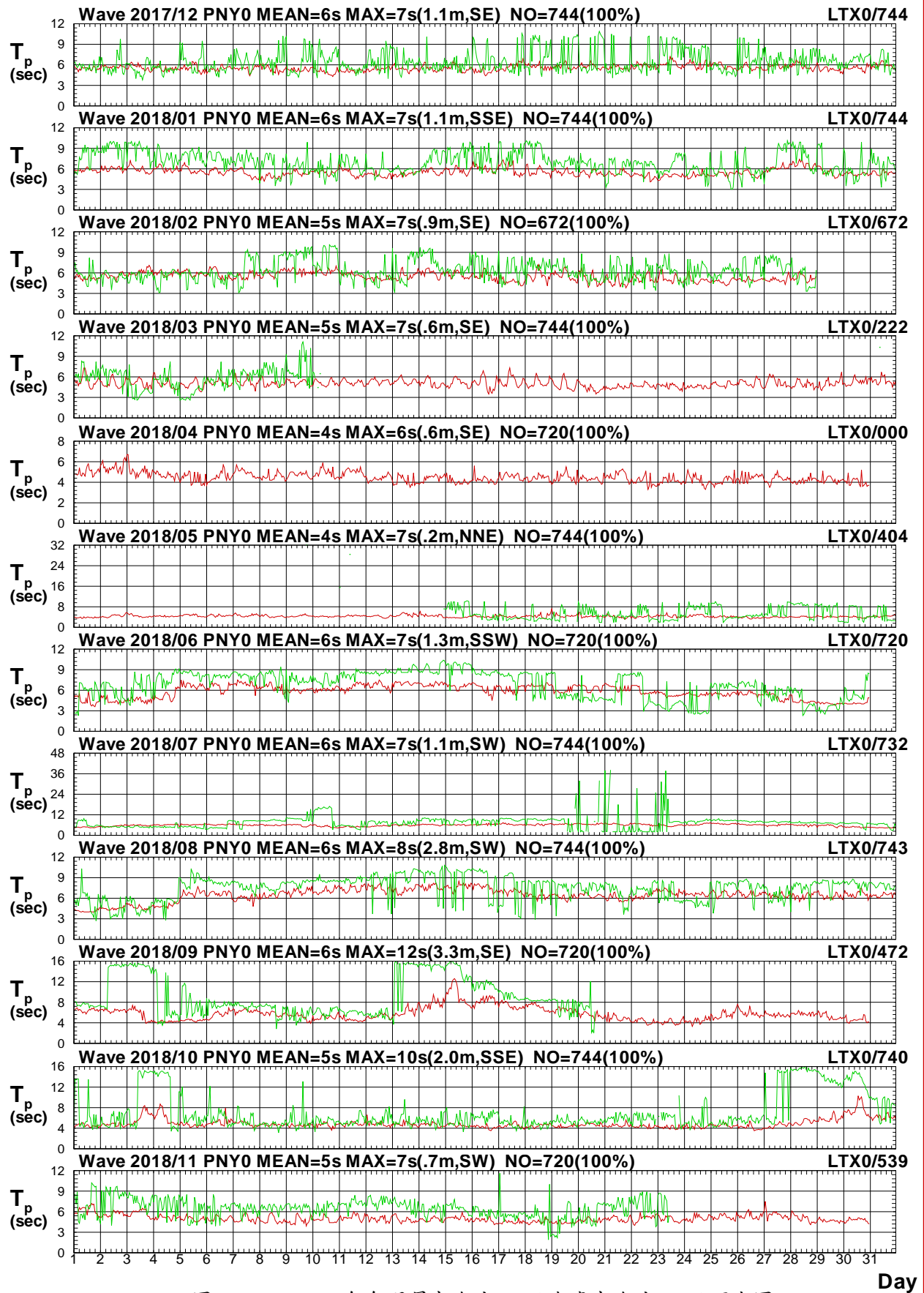


圖2.3.3b 2018年每月屏東海域 Y 站與臺東海域 X 站週期圖

V17CPNY0.1HA V17CLTX0.1H0 V181PNY0.1HA V181LTX0.1H0 V182PNY0.1HA V182LTX0.1H0
 V183PNY0.1HA V183LTX0.1H0 V184PNY0.1HA V184LTX0.1H0 V185PNY0.1HA V185LTX0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNY0 at 2018

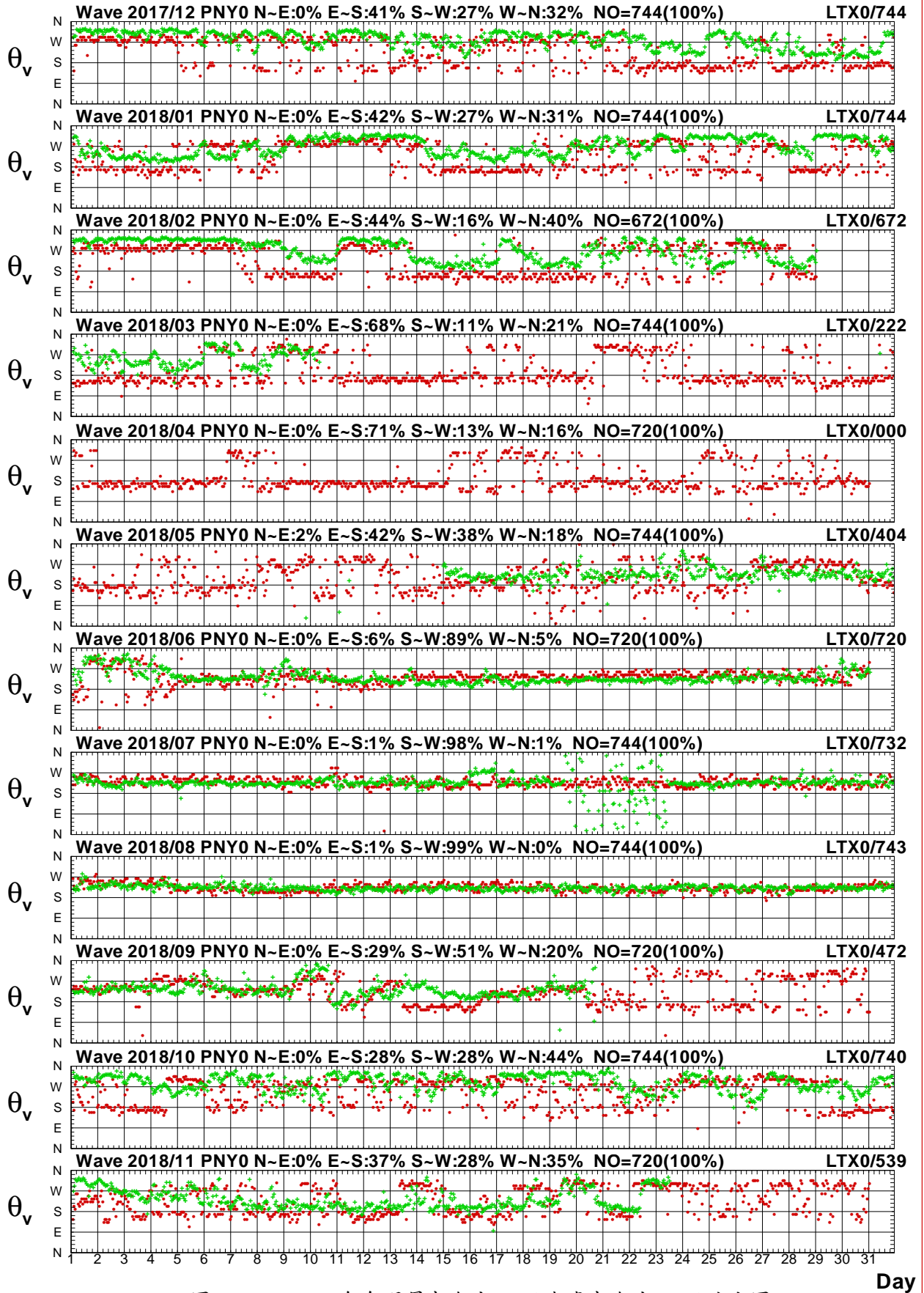


圖2.3.3c 2018年每月屏東海域 Y 站與臺東海域 X 站波向圖

V17CPNY0.1HA V17CLTX0.1H0 V181PNY0.1HA V181LTX0.1H0 V182PNY0.1HA V182LTX0.1H0
 V183PNY0.1HA V183LTX0.1H0 V184PNY0.1HA V184LTX0.1H0 V185PNY0.1HA V185LTX0.1H0

Institute of Harbor & Marine Technology

Wave H_s in Peng-Tung Seas of PNY0 at 2018

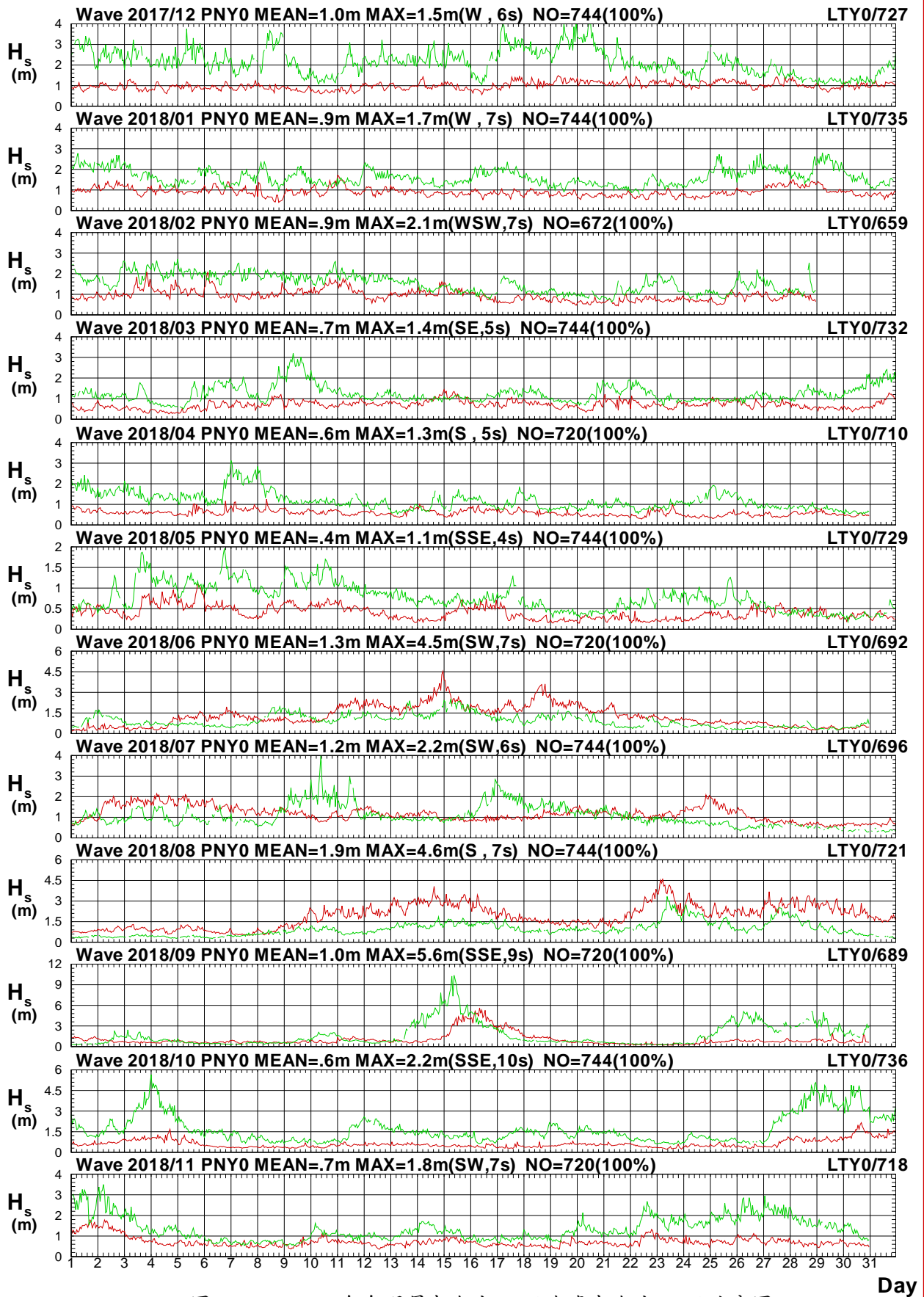


圖2.3.4a 2018年每月屏東海域 Y 站與臺東海域 Y 站波高圖

V17CPNY0.1HA V17CLTY0.1H0 V181PNY0.1HA V181LTY0.1H0 V182PNY0.1HA V182LTY0.1H0
 V183PNY0.1HA V183LTY0.1H0 V184PNY0.1HA V184LTY0.1H0 V185PNY0.1HA V185LTY0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNY0 at 2018

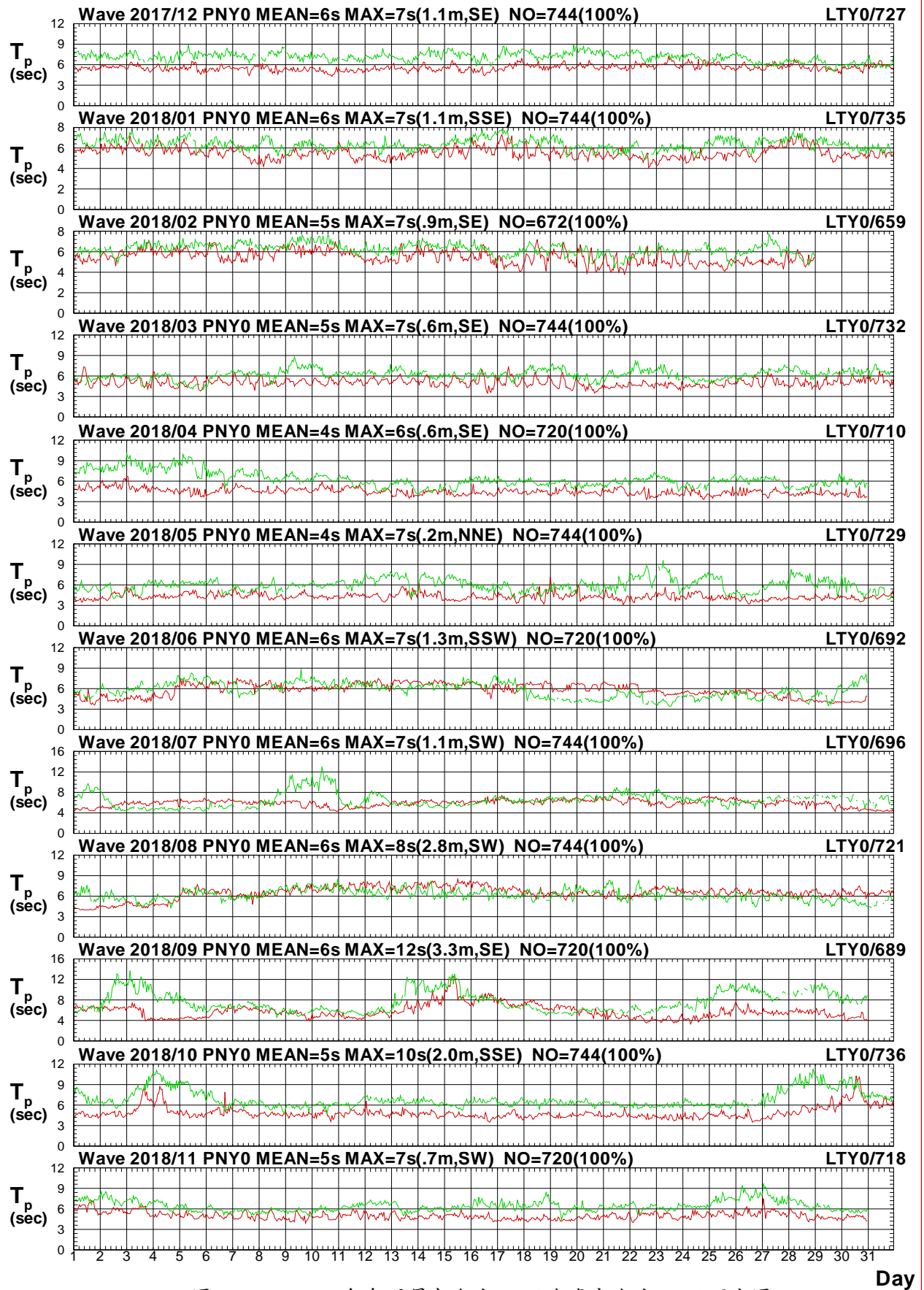


圖2.3.4b 2018年每月屏東海域 Y 站與臺東海域 Y 站週期圖

V17CPNY0.1HA V17CLTY0.1H0 V181PNY0.1HA V181LTY0.1H0 V182PNY0.1HA V182LTY0.1H0
 V183PNY0.1HA V183LTY0.1H0 V184PNY0.1HA V184LTY0.1H0 V185PNY0.1HA V185LTY0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNY0 at 2018

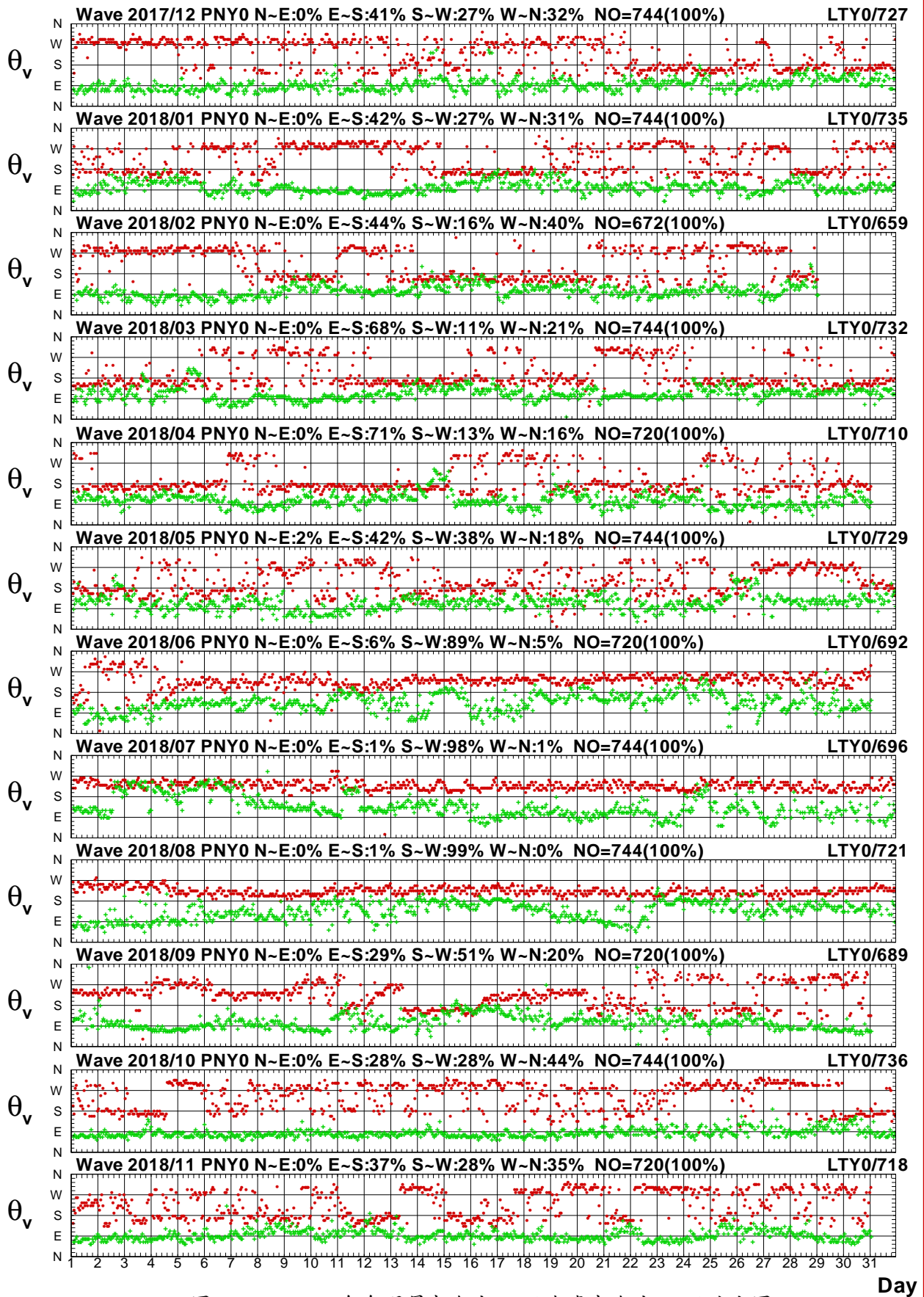


圖2.3.4c 2018年每月屏東海域 Y 站與臺東海域 Y 站波向圖

V17CPNY0.1HA V17CLTY0.1H0 V181PNY0.1HA V181LTY0.1H0 V182PNY0.1HA V182LTY0.1H0
 V183PNY0.1HA V183LTY0.1H0 V184PNY0.1HA V184LTY0.1H0 V185PNY0.1HA V185LTY0.1H0

Institute of Harbor & Marine Technology

Wave H_s in Peng-Tung Seas of PNY0 at 2018

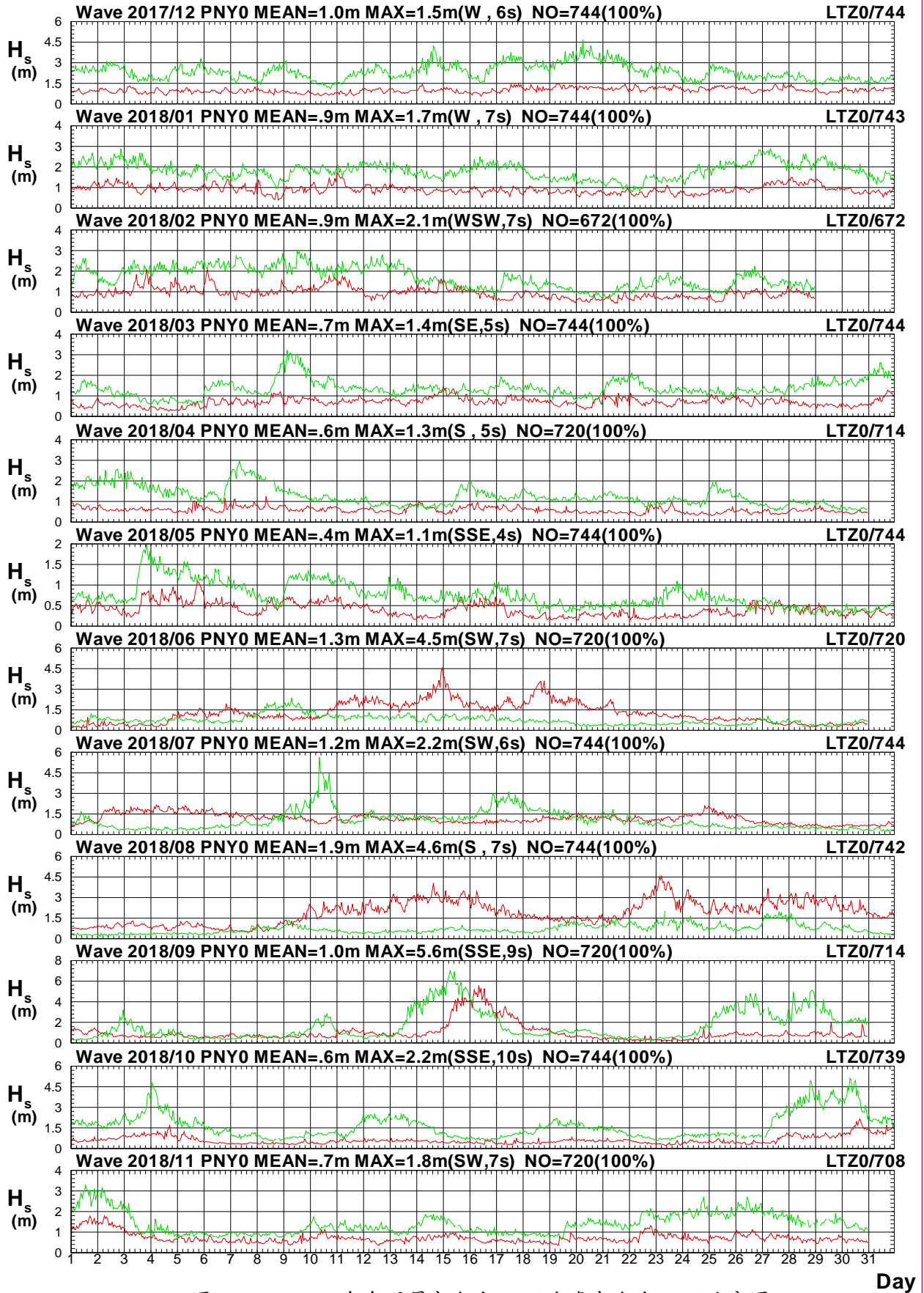


圖2.3.5a 2018年每月屏東海域 Y 站與臺東海域 Z 站波高圖

V17CPNY0.1HA V17CLTZ0.1H0 V181PNY0.1HA V181LTZ0.1H0 V182PNY0.1HA V182LTZ0.1H0
 V183PNY0.1HA V183LTZ0.1H0 V184PNY0.1HA V184LTZ0.1H0 V185PNY0.1HA V185LTZ0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNY0 at 2018

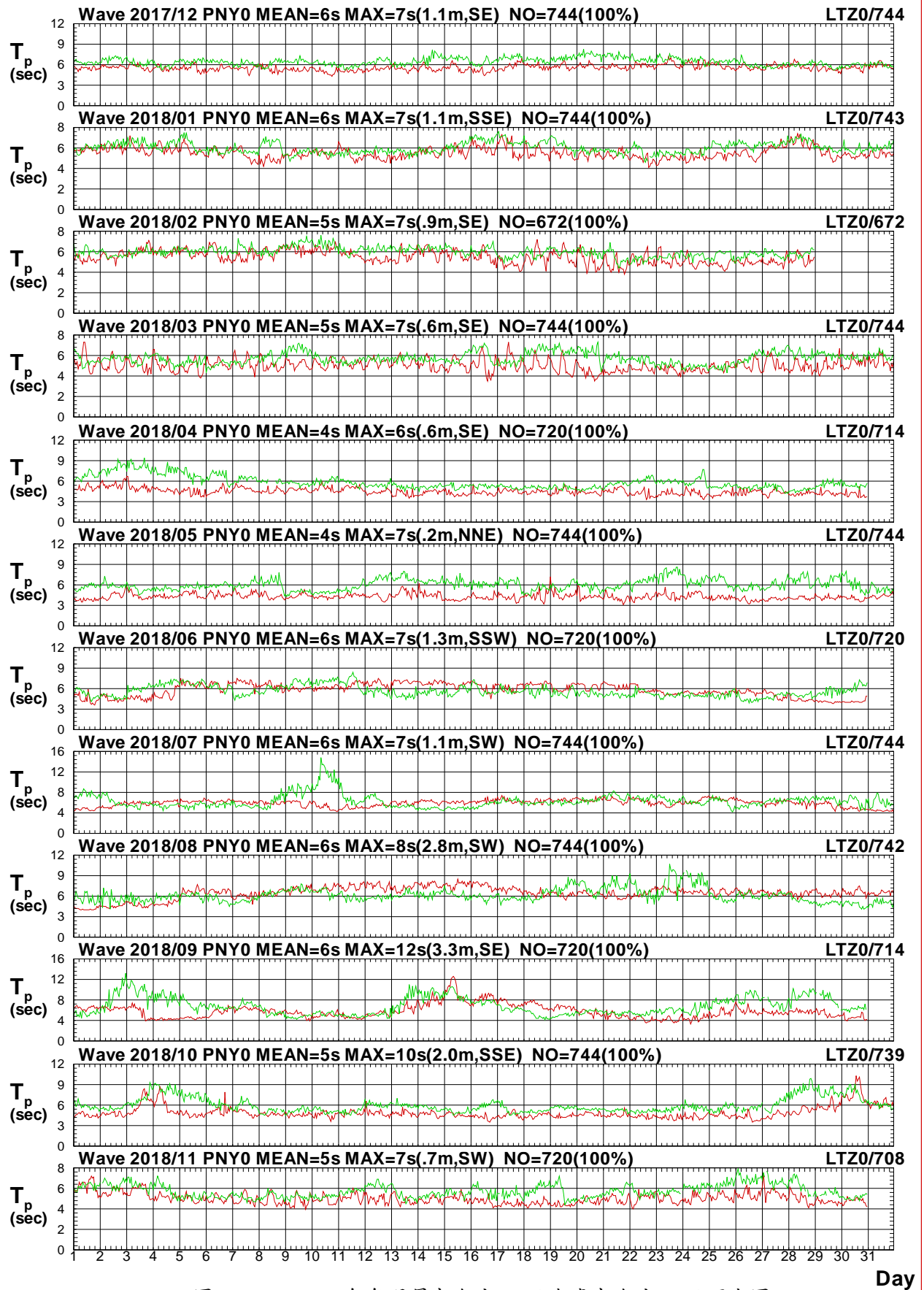


圖2.3.5b 2018年每月屏東海域 Y 站與臺東海域 Z 站週期圖

V17CPNY0.1HA V17CLTZ0.1H0 V181PNY0.1HA V181LTZ0.1H0 V182PNY0.1HA V182LTZ0.1H0
 V183PNY0.1HA V183LTZ0.1H0 V184PNY0.1HA V184LTZ0.1H0 V185PNY0.1HA V185LTZ0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNY0 at 2018

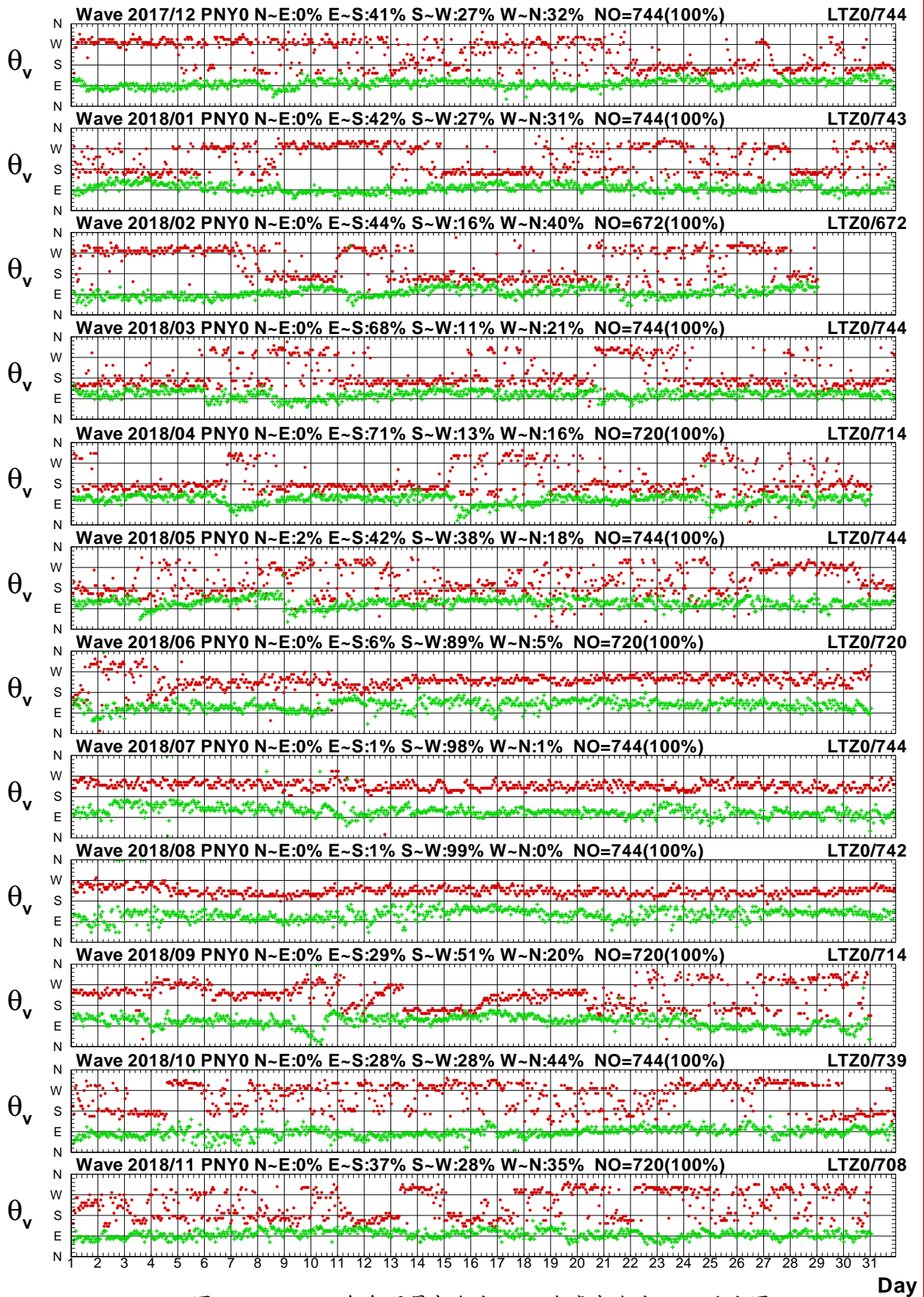


圖2.3.5c 2018年每月屏東海域 Y 站與臺東海域 Z 站波向圖

V17CPNY0.1HA V17CLTZ0.1H0 V181PNY0.1HA V181LTZ0.1H0 V182PNY0.1HA V182LTZ0.1H0
 V183PNY0.1HA V183LTZ0.1H0 V184PNY0.1HA V184LTZ0.1H0 V185PNY0.1HA V185LTZ0.1H0

Institute of Harbor & Marine Technology

Wave H_s in Peng-Tung Seas of PNY0 at 2018

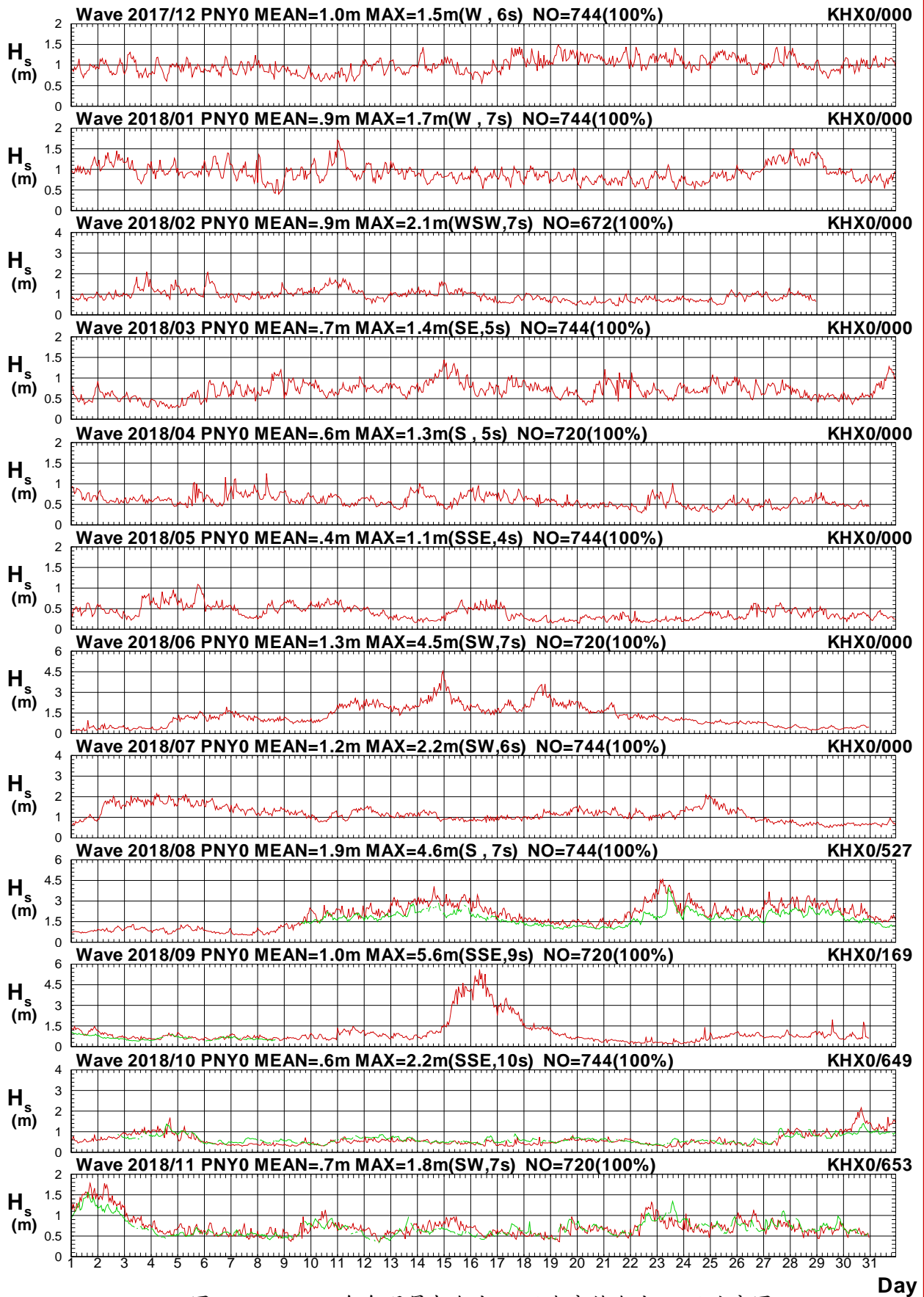


圖2.3.6a 2018年每月屏東海域 Y 站與高雄海域 X 站波高圖

V17CPNY0.1HA V17CKHX0.1H0 V181PNY0.1HA V181KHX0.1H0 V182PNY0.1HA V182KHX0.1H0
 V183PNY0.1HA V183KHX0.1H0 V184PNY0.1HA V184KHX0.1H0 V185PNY0.1HA V185KHX0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNY0 at 2018

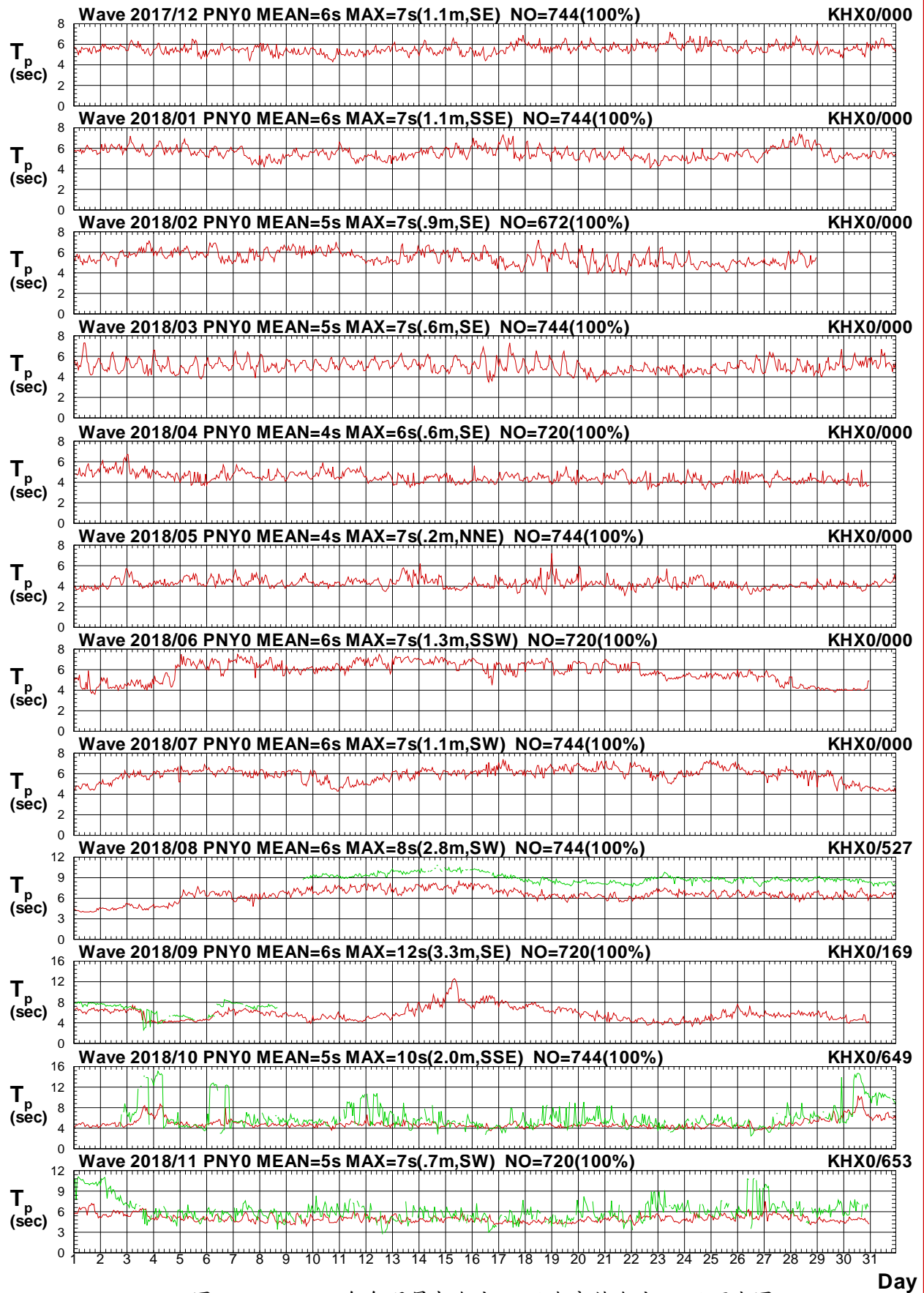


圖2.3.6b 2018年每月屏東海域 Y 站與高雄海域 X 站週期圖

V17CPNY0.1HA V17CKHX0.1H0 V181PNY0.1HA V181KHX0.1H0 V182PNY0.1HA V182KHX0.1H0
 V183PNY0.1HA V183KHX0.1H0 V184PNY0.1HA V184KHX0.1H0 V185PNY0.1HA V185KHX0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNY0 at 2018

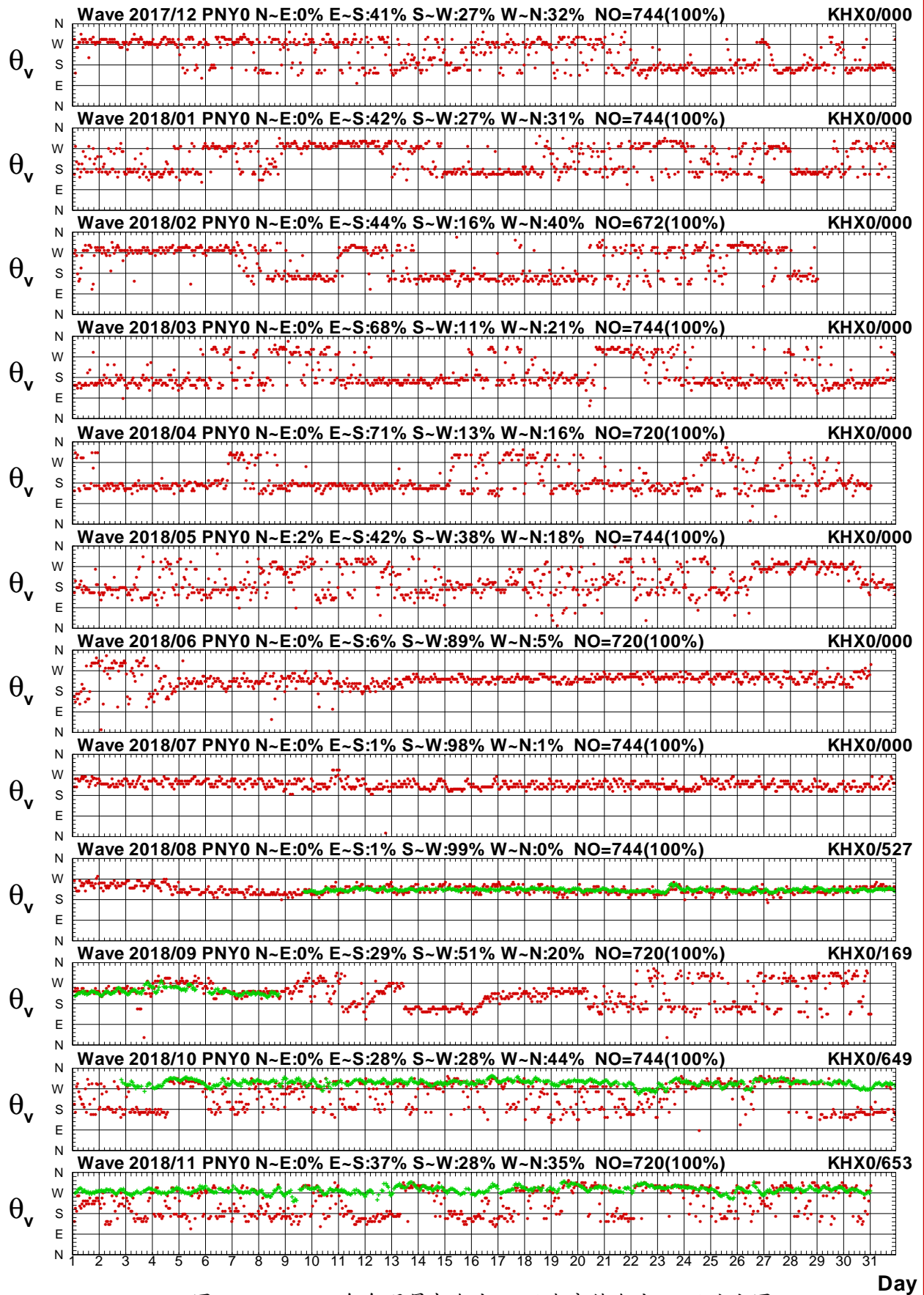


圖2.3.6c 2018年每月屏東海域 Y 站與高雄海域 X 站波向圖

V17CPNY0.1HA V17CKHX0.1H0 V181PNY0.1HA V181KHX0.1H0 V182PNY0.1HA V182KHX0.1H0
 V183PNY0.1HA V183KHX0.1H0 V184PNY0.1HA V184KHX0.1H0 V185PNY0.1HA V185KHX0.1H0

Institute of Harbor & Marine Technology

Wave H_s in Peng-Tung Seas of PNY0 at 2018

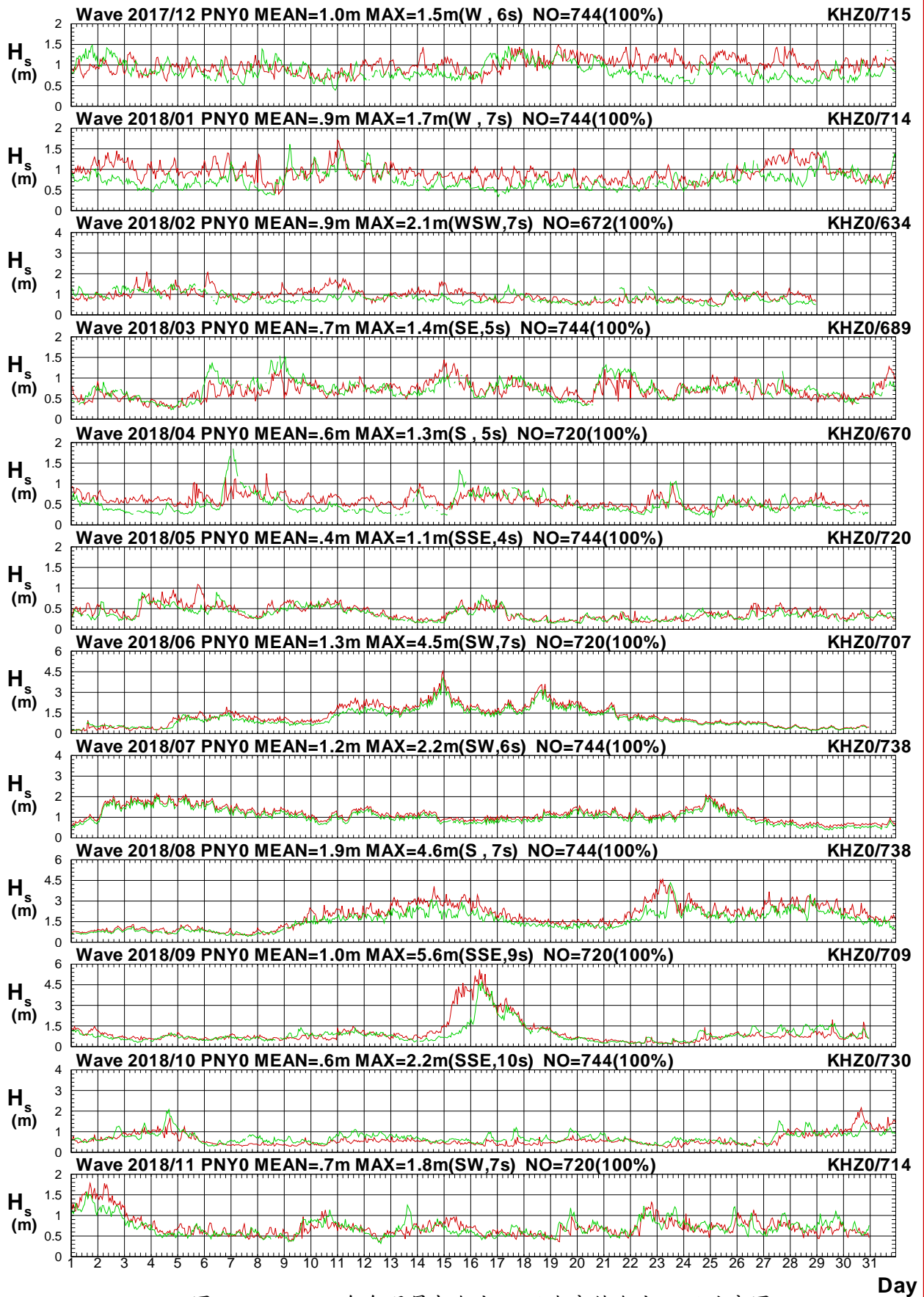


圖2.3.7a 2018年每月屏東海域 Y 站與高雄海域 Z 站波高圖

V17CPNY0.1HA V17CKHZ0.1H0 V181PNY0.1HA V181KHZ0.1H0 V182PNY0.1HA V182KHZ0.1H0
 V183PNY0.1HA V183KHZ0.1H0 V184PNY0.1HA V184KHZ0.1H0 V185PNY0.1HA V185KHZ0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNY0 at 2018

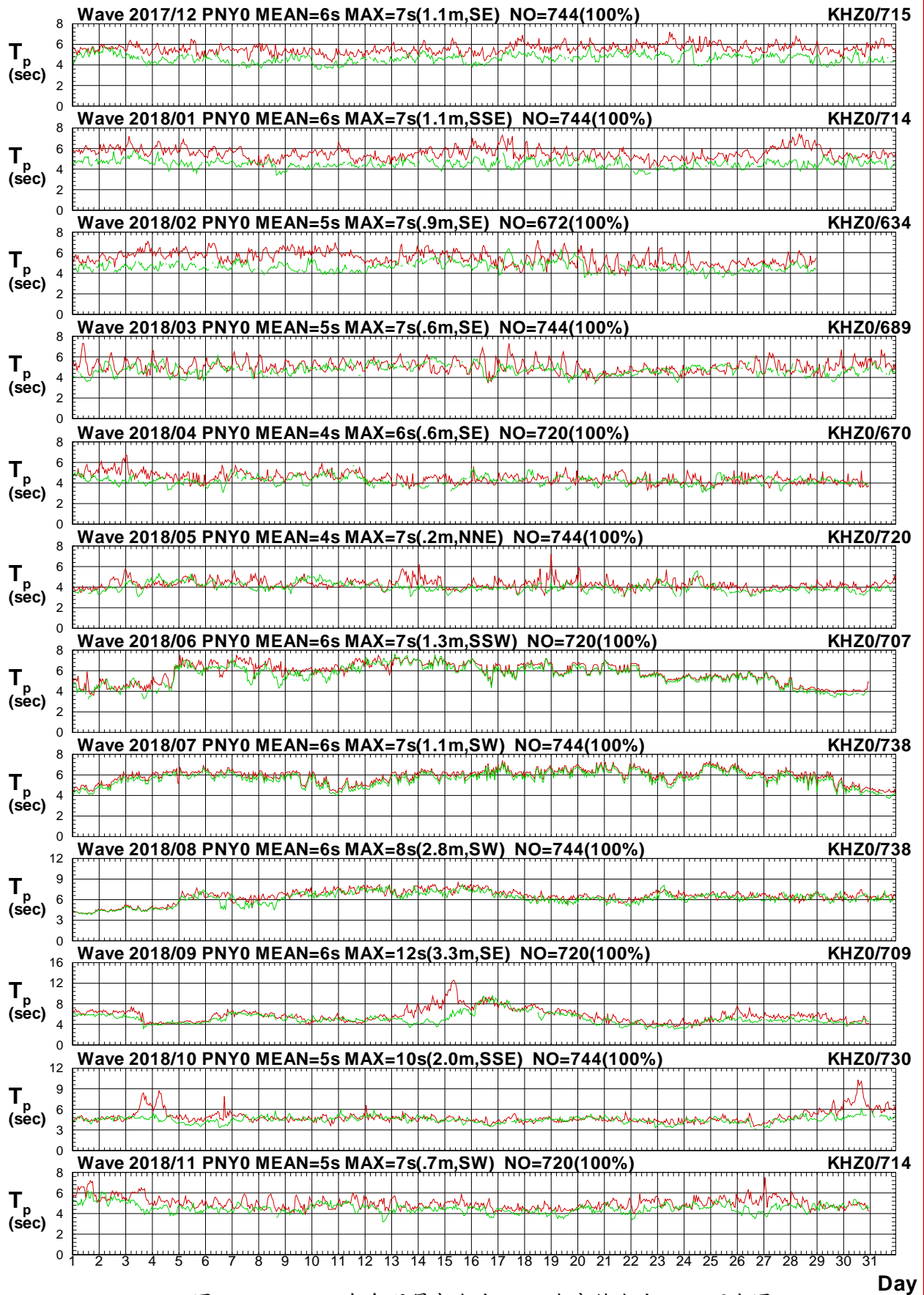


圖2.3.7b 2018年每月屏東海域 Y 站與高雄海域 Z 站週期圖

V17CPNY0.1HA V17CKHZ0.1H0 V181PNY0.1HA V181KHZ0.1H0 V182PNY0.1HA V182KHZ0.1H0
 V183PNY0.1HA V183KHZ0.1H0 V184PNY0.1HA V184KHZ0.1H0 V185PNY0.1HA V185KHZ0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNY0 at 2018

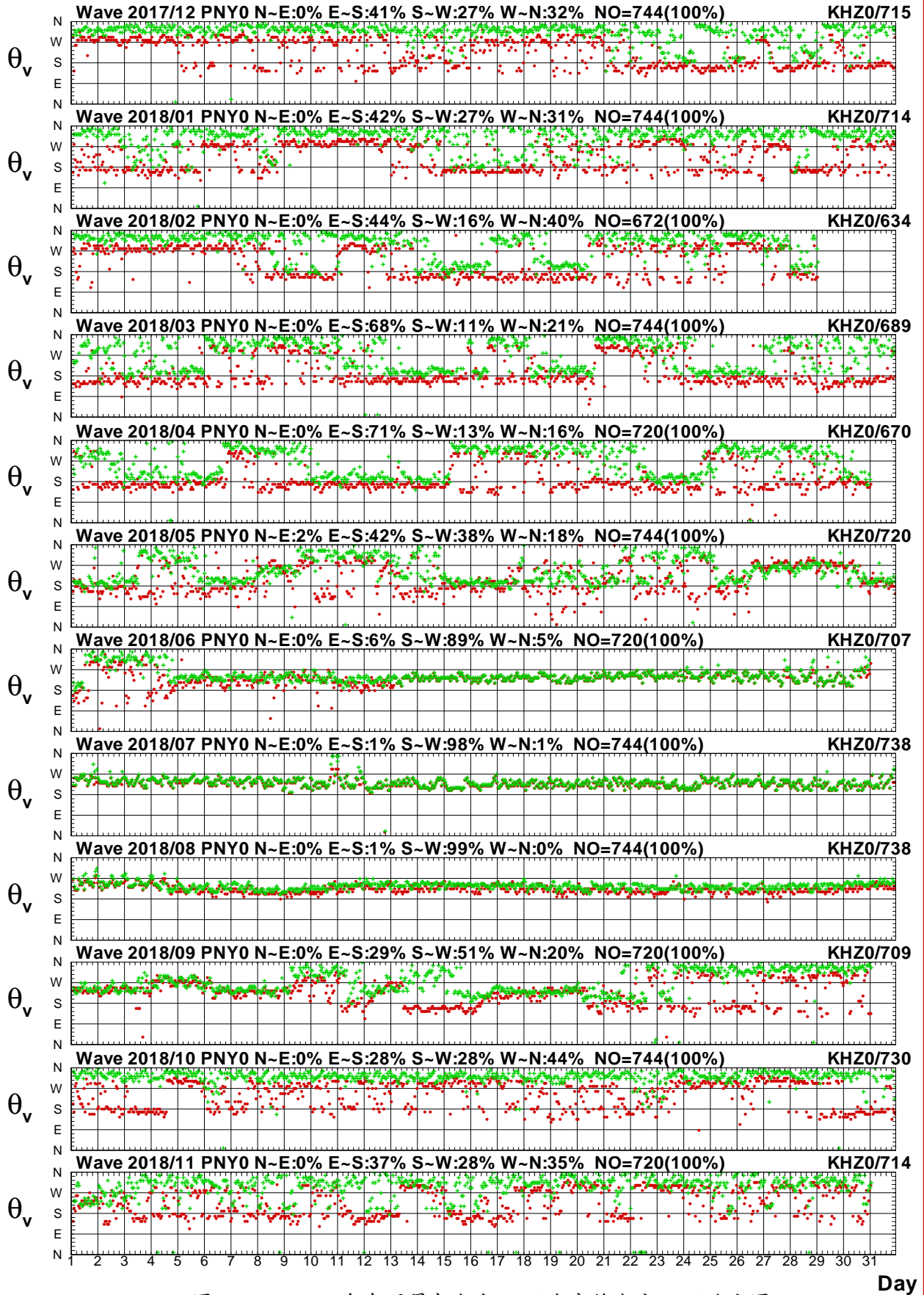


圖2.3.7c 2018年每月屏東海域 Y 站與高雄海域 Z 站波向圖

V17CPNY0.1HA V17CKHZ0.1H0 V181PNY0.1HA V181KHZ0.1H0 V182PNY0.1HA V182KHZ0.1H0
 V183PNY0.1HA V183KHZ0.1H0 V184PNY0.1HA V184KHZ0.1H0 V185PNY0.1HA V185KHZ0.1H0

Institute of Harbor & Marine Technology

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

Wave H_s in Peng-Tung Seas of PNZ0 at 2018

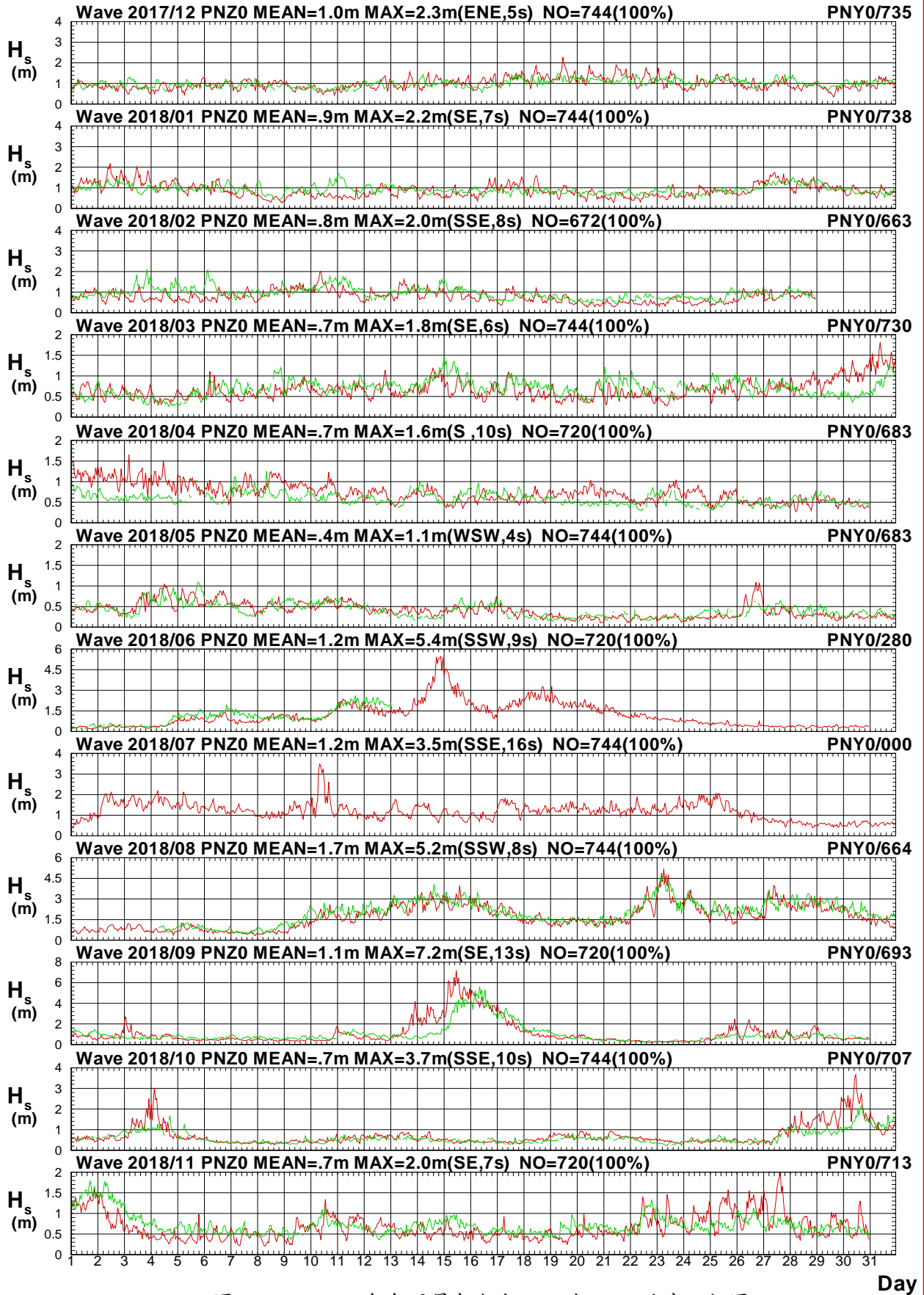


圖2.4.1a 2018年每月屏東海域 Z 站與 Y 站波高比較圖

V17CPNZ0.1HA V17CPNY0.1H0 V181PNZ0.1HA V181PNY0.1H0 V182PNZ0.1HA V182PNY0.1H0
 V183PNZ0.1HA V183PNY0.1H0 V184PNZ0.1HA V184PNY0.1H0 V185PNZ0.1HA V185PNY0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNZ0 at 2018

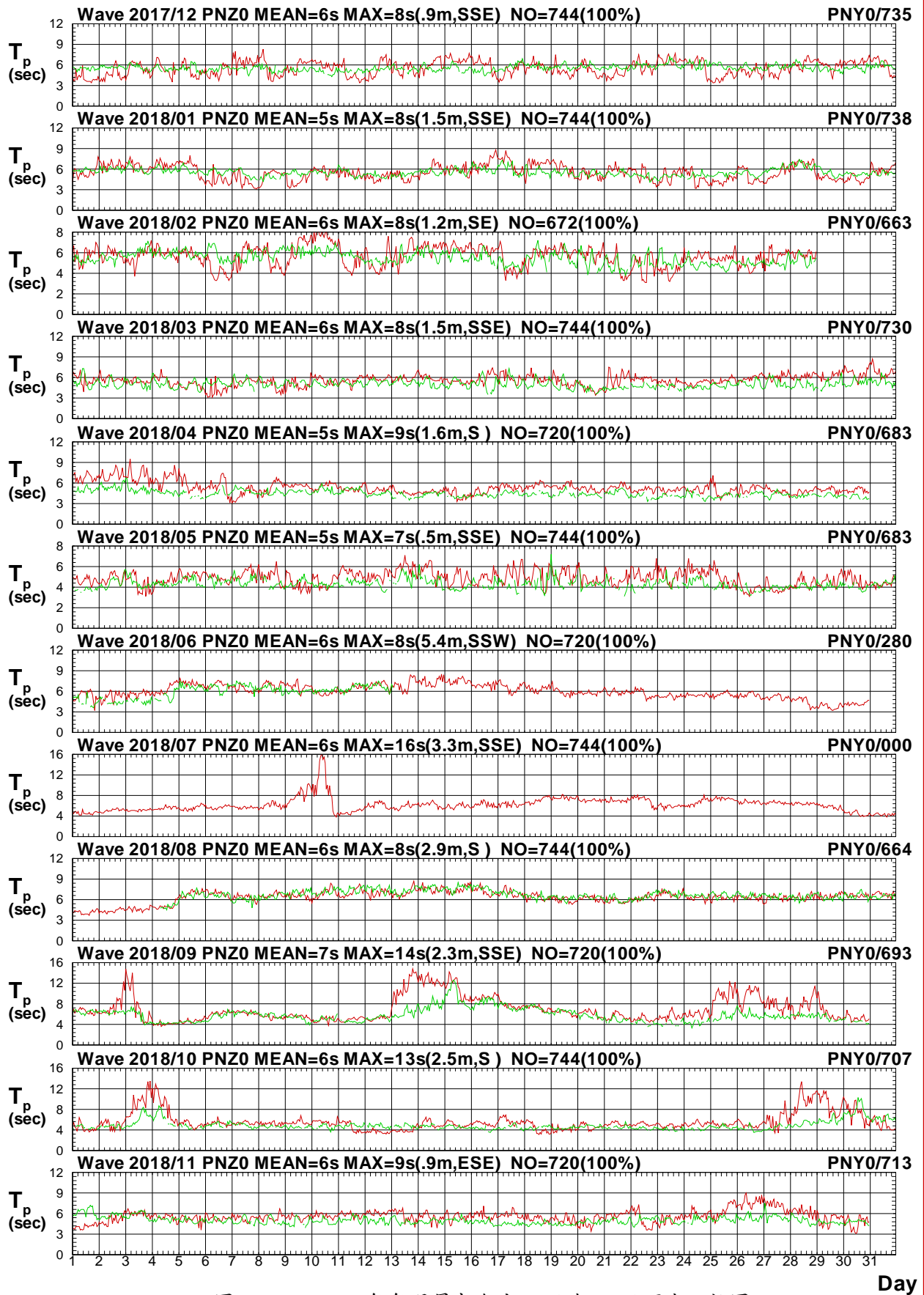


圖2.4.1b 2018年每月屏東海域 Z 站與 Y 站週期比較圖

V17CPNZ0.1HA V17CPNY0.1H0 V181PNZ0.1HA V181PNY0.1H0 V182PNZ0.1HA V182PNY0.1H0
 V183PNZ0.1HA V183PNY0.1H0 V184PNZ0.1HA V184PNY0.1H0 V185PNZ0.1HA V185PNY0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNZ0 at 2018

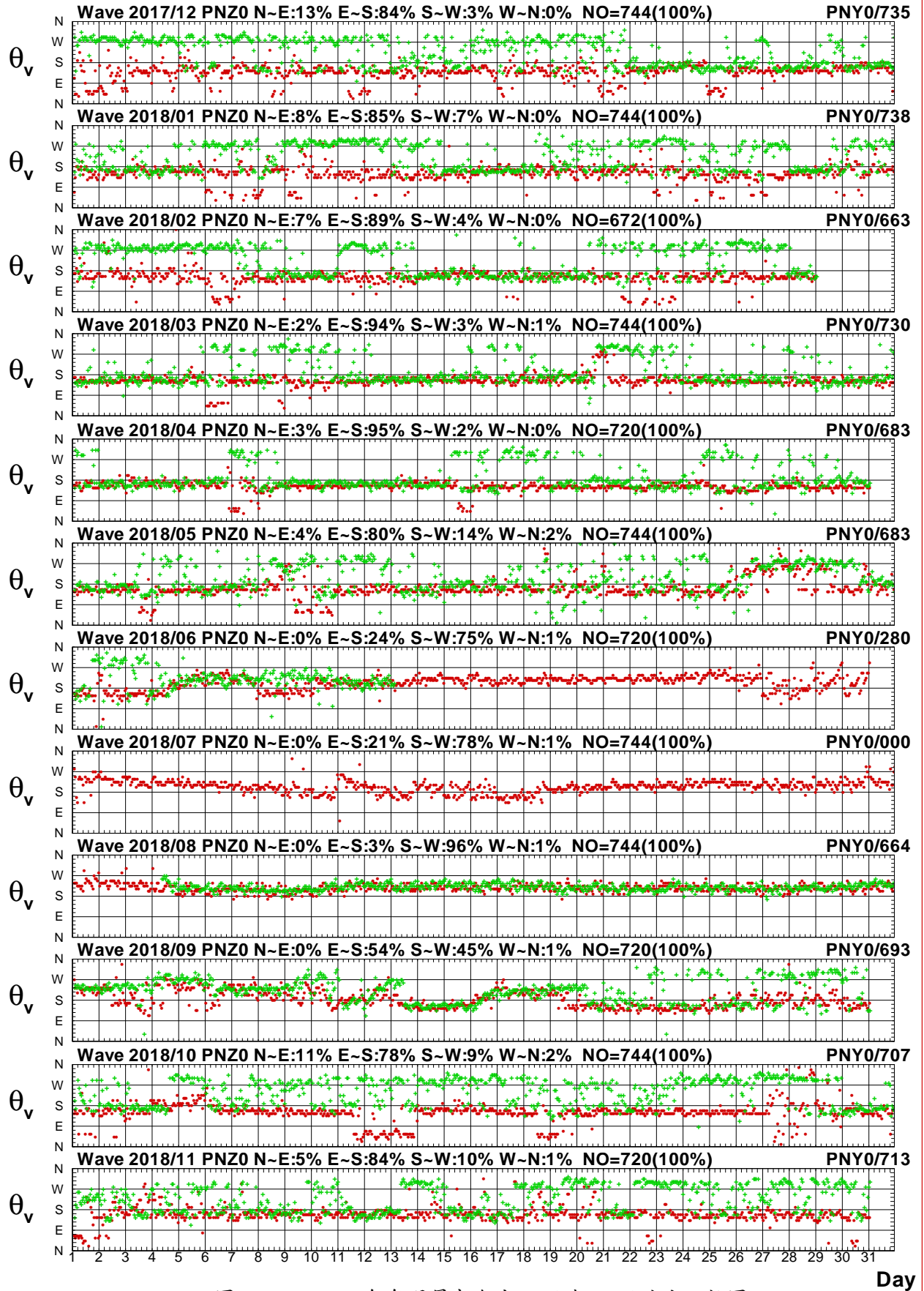


圖2.4.1c 2018年每月屏東海域 Z 站與 Y 站波向比較圖

V17CPNZ0.1HA V17CPNY0.1H0 V181PNZ0.1HA V181PNY0.1H0 V182PNZ0.1HA V182PNY0.1H0
 V183PNZ0.1HA V183PNY0.1H0 V184PNZ0.1HA V184PNY0.1H0 V185PNZ0.1HA V185PNY0.1H0

Institute of Harbor & Marine Technology

Wave H_s in Peng-Tung Seas of PNZ0 at 2018

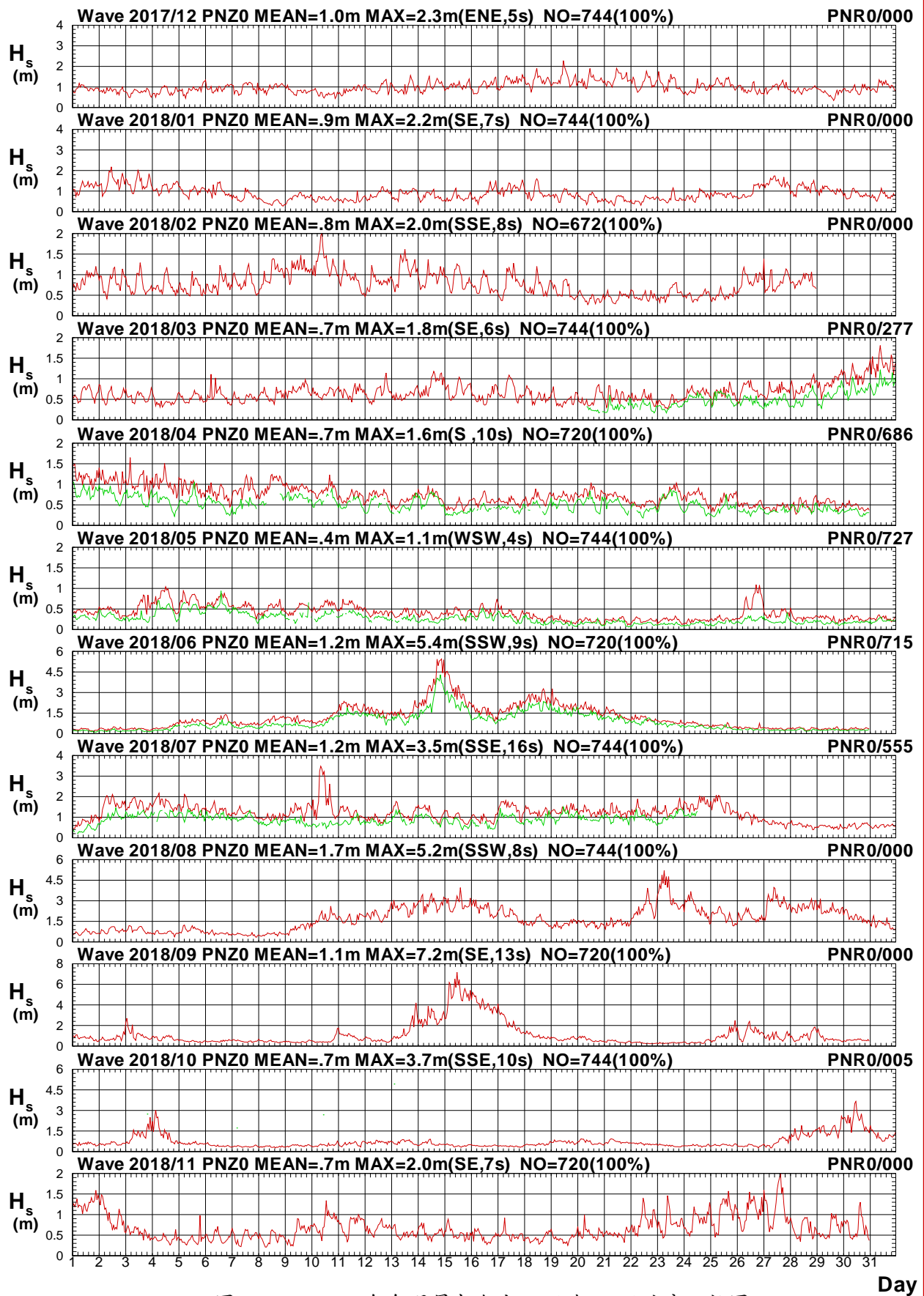


圖2.4.2a 2018年每月屏東海域 Z 站與 R 站波高比較圖

V17CPNZ0.1HA V17CPNR0.1H0 V181PNZ0.1HA V181PNR0.1H0 V182PNZ0.1HA V182PNR0.1H0
 V183PNZ0.1HA V183PNR0.1H0 V184PNZ0.1HA V184PNR0.1H0 V185PNZ0.1HA V185PNR0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNZ0 at 2018

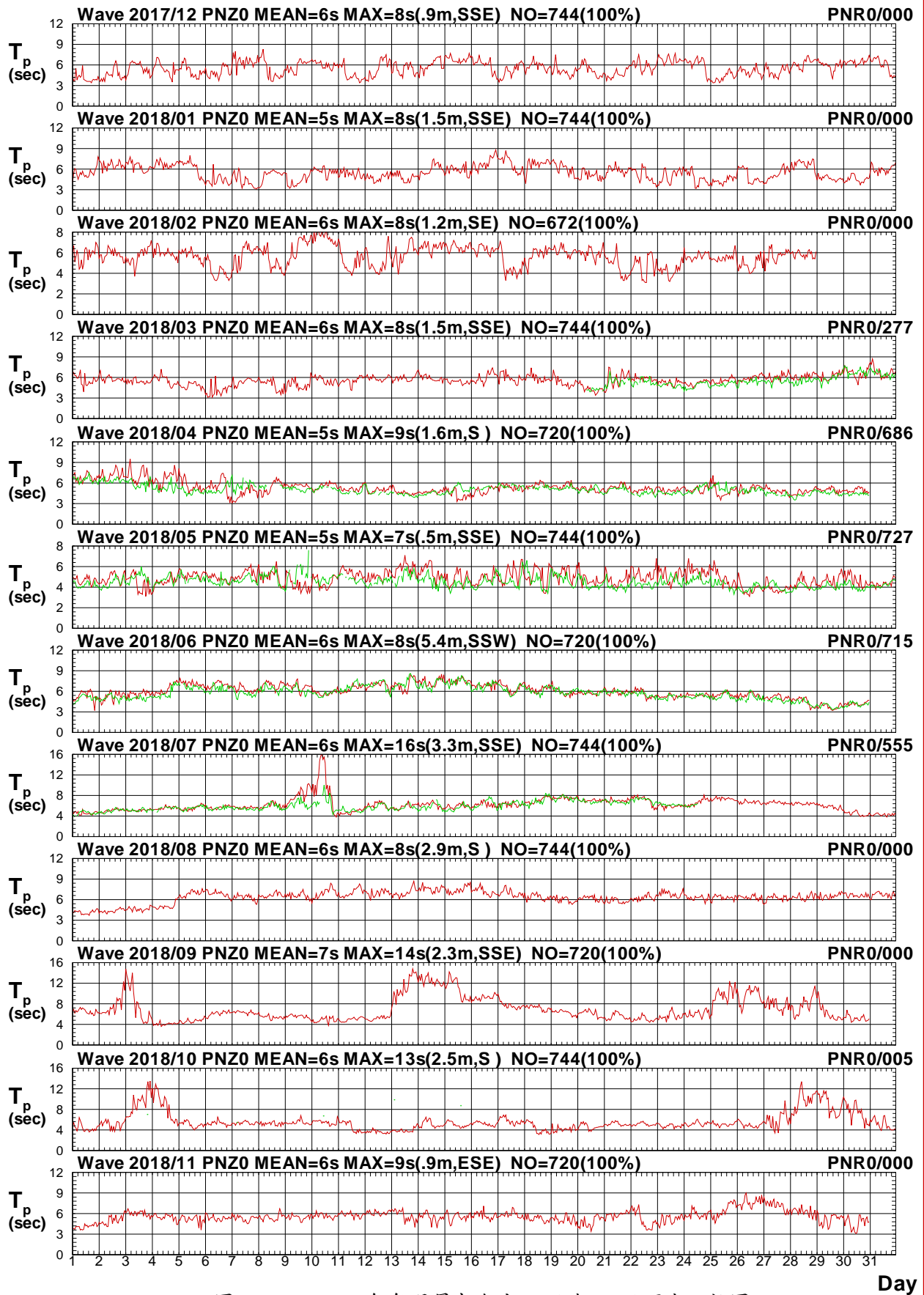


圖2.4.2b 2018年每月屏東海域 Z 站與 R 站週期比較圖

V17CPNZ0.1HA V17CPNR0.1H0 V181PNZ0.1HA V181PNR0.1H0 V182PNZ0.1HA V182PNR0.1H0
 V183PNZ0.1HA V183PNR0.1H0 V184PNZ0.1HA V184PNR0.1H0 V185PNZ0.1HA V185PNR0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNZ0 at 2018

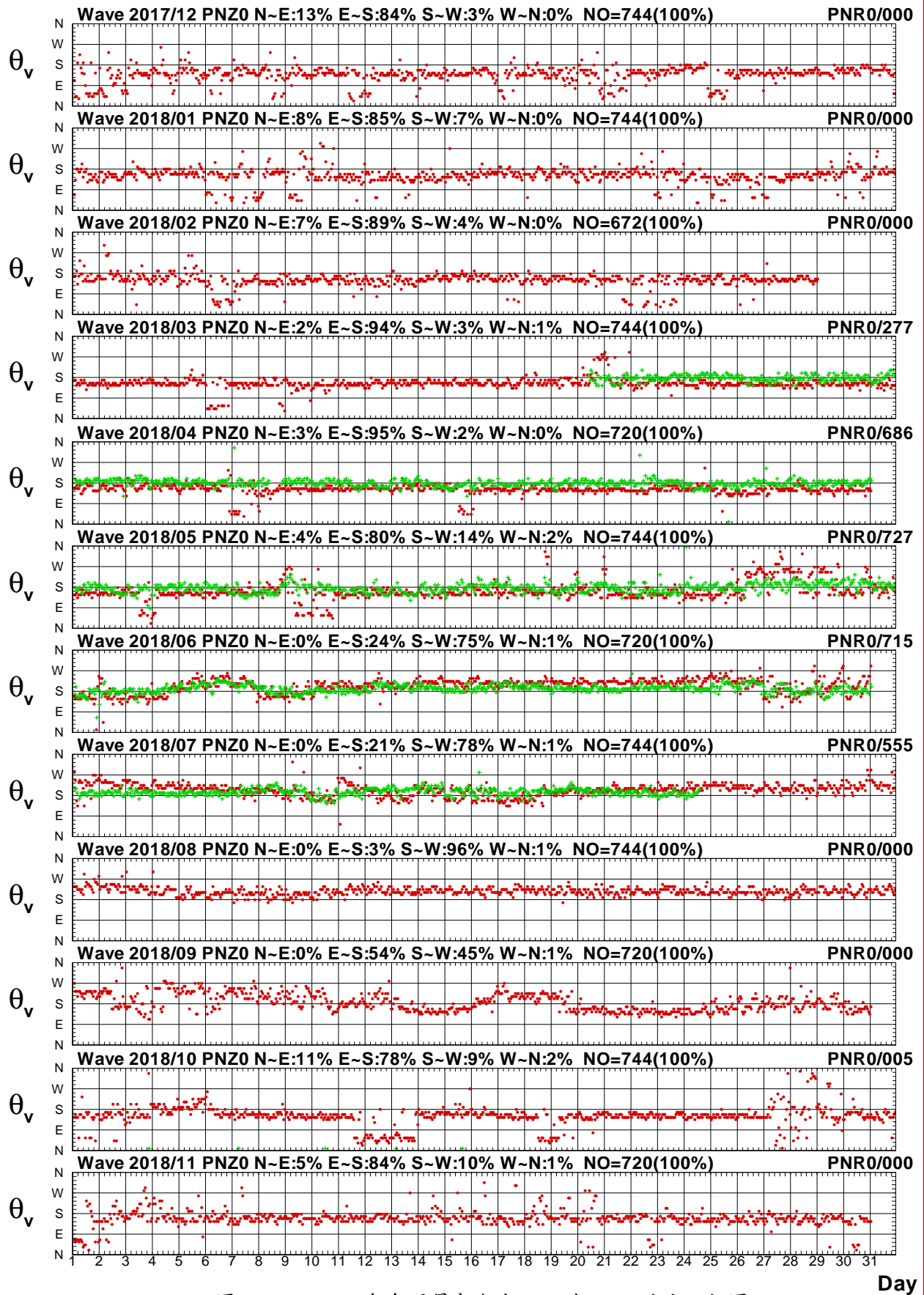


圖2.4.2c 2018年每月屏東海域 Z 站與 R 站波向比較圖

V17CPNZ0.1HA V17CPNR0.1H0 V181PNZ0.1HA V181PNR0.1H0 V182PNZ0.1HA V182PNR0.1H0
 V183PNZ0.1HA V183PNR0.1H0 V184PNZ0.1HA V184PNR0.1H0 V185PNZ0.1HA V185PNR0.1H0

Institute of Harbor & Marine Technology

Wave H_s in Peng-Tung Seas of PNZ0 at 2018

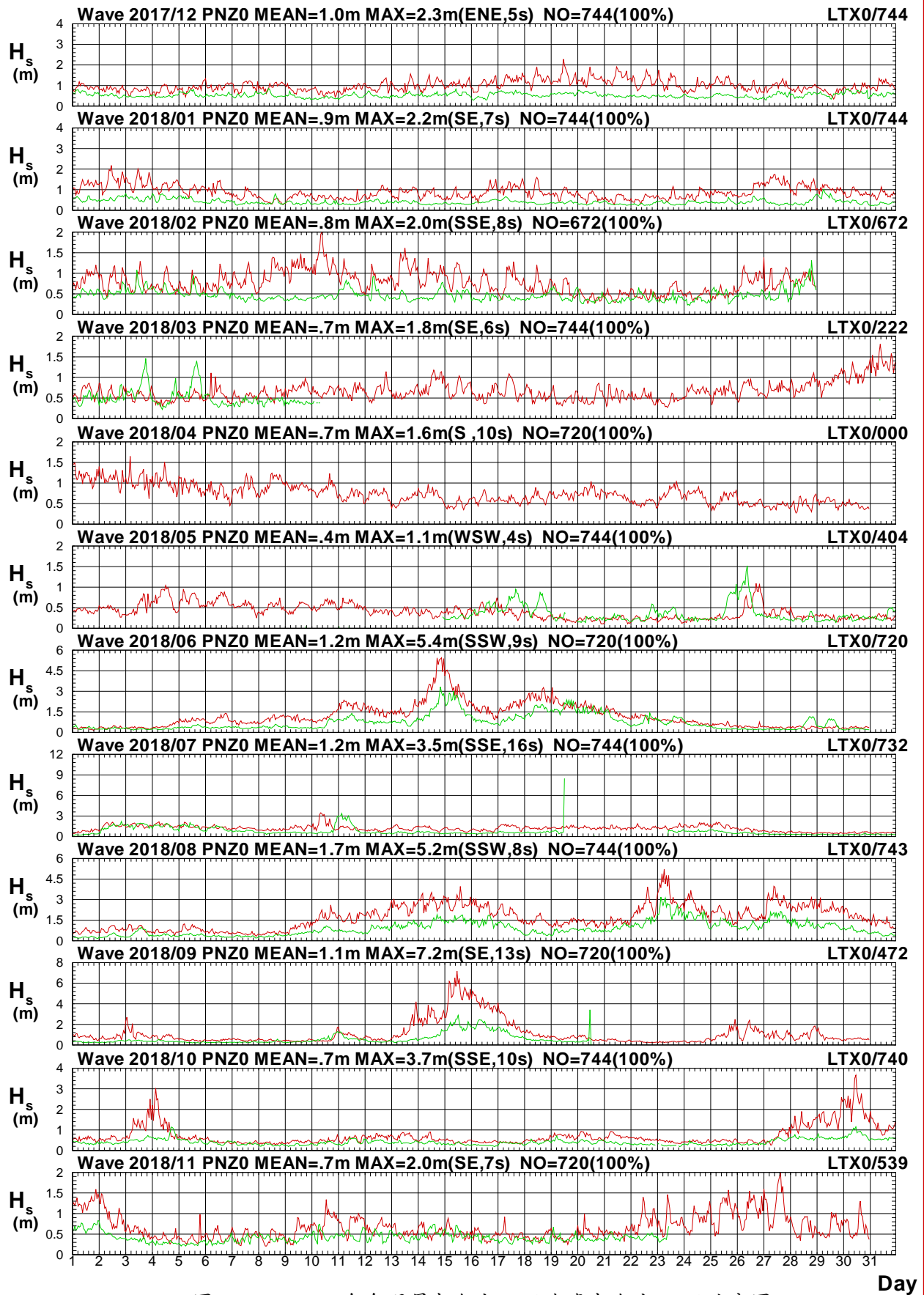


圖2.4.3a 2018年每月屏東海域 Z 站與臺東海域 X 站波高圖

V17CPNZ0.1HA V17CLTX0.1H0 V181PNZ0.1HA V181LTX0.1H0 V182PNZ0.1HA V182LTX0.1H0
 V183PNZ0.1HA V183LTX0.1H0 V184PNZ0.1HA V184LTX0.1H0 V185PNZ0.1HA V185LTX0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNZ0 at 2018

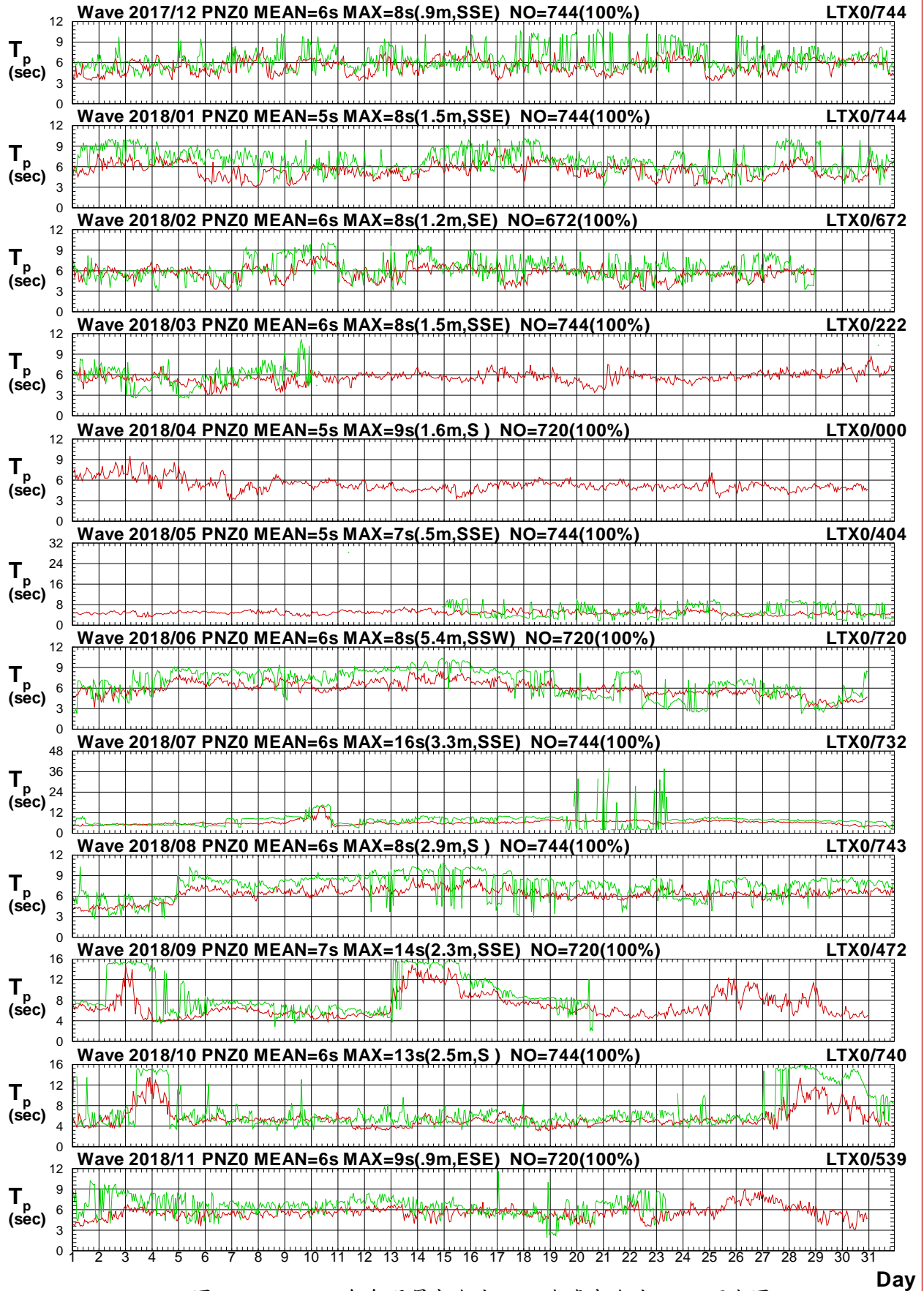


圖2.4.3b 2018年每月屏東海域 Z 站與臺東海域 X 站週期圖

V17CPNZ0.1HA V17CLTX0.1H0 V181PNZ0.1HA V181LTX0.1H0 V182PNZ0.1HA V182LTX0.1H0
 V183PNZ0.1HA V183LTX0.1H0 V184PNZ0.1HA V184LTX0.1H0 V185PNZ0.1HA V185LTX0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNZ0 at 2018

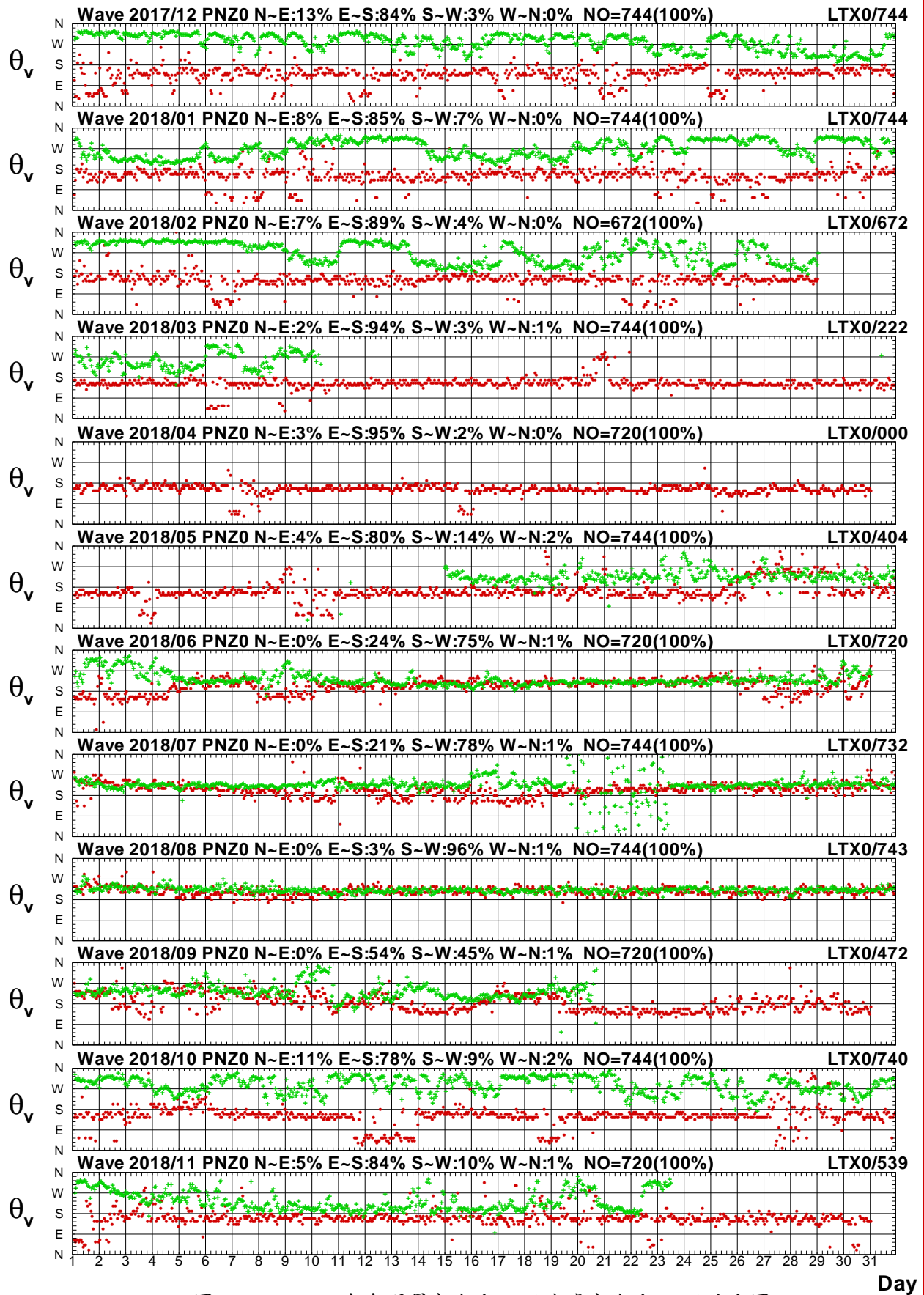


圖2.4.3c 2018年每月屏東海域 Z 站與臺東海域 X 站波向圖

V17CPNZ0.1HA V17CLTX0.1H0 V181PNZ0.1HA V181LTX0.1H0 V182PNZ0.1HA V182LTX0.1H0
 V183PNZ0.1HA V183LTX0.1H0 V184PNZ0.1HA V184LTX0.1H0 V185PNZ0.1HA V185LTX0.1H0

Institute of Harbor & Marine Technology

Wave H_s in Peng-Tung Seas of PNZ0 at 2018

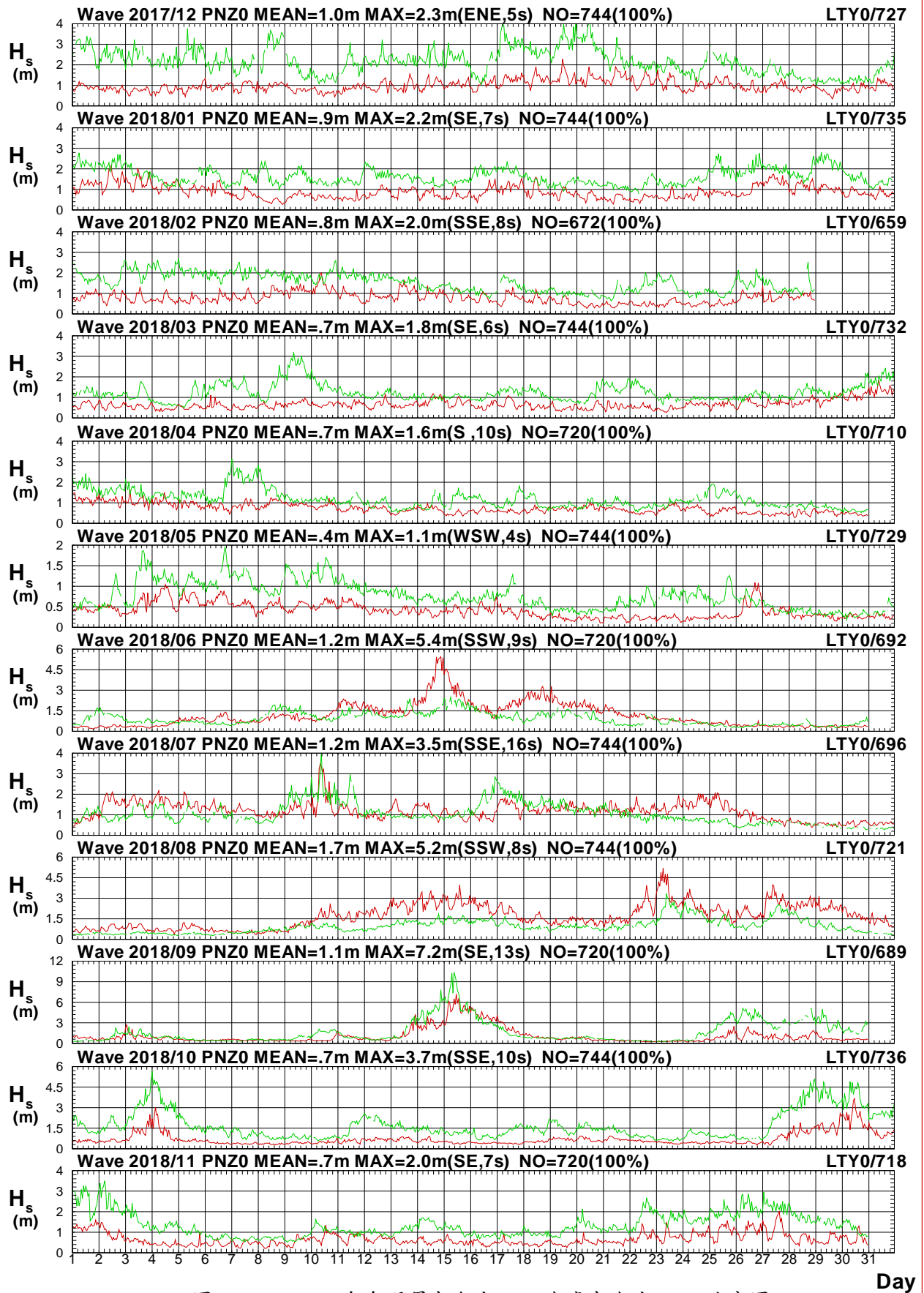


圖2.4.4a 2018年每月屏東海域 Z 站與臺東海域 Y 站波高圖

V17CPNZ0.1HA V17CLTY0.1H0 V181PNZ0.1HA V181LTY0.1H0 V182PNZ0.1HA V182LTY0.1H0
 V183PNZ0.1HA V183LTY0.1H0 V184PNZ0.1HA V184LTY0.1H0 V185PNZ0.1HA V185LTY0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNZ0 at 2018

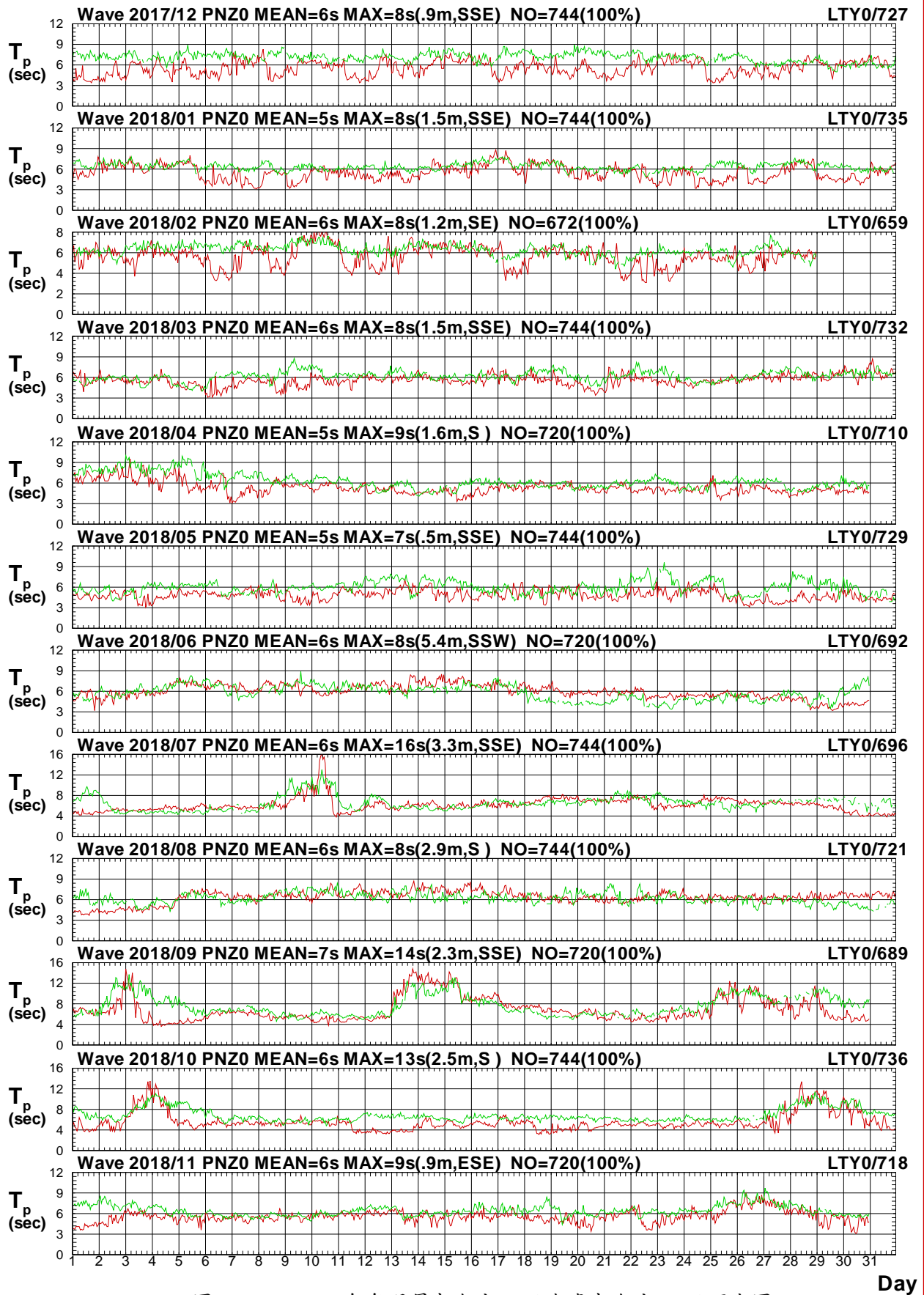


圖2.4.4b 2018年每月屏東海域 Z 站與臺東海域 Y 站週期圖

V17CPNZ0.1HA V17CLTY0.1H0 V181PNZ0.1HA V181LTY0.1H0 V182PNZ0.1HA V182LTY0.1H0
 V183PNZ0.1HA V183LTY0.1H0 V184PNZ0.1HA V184LTY0.1H0 V185PNZ0.1HA V185LTY0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNZ0 at 2018

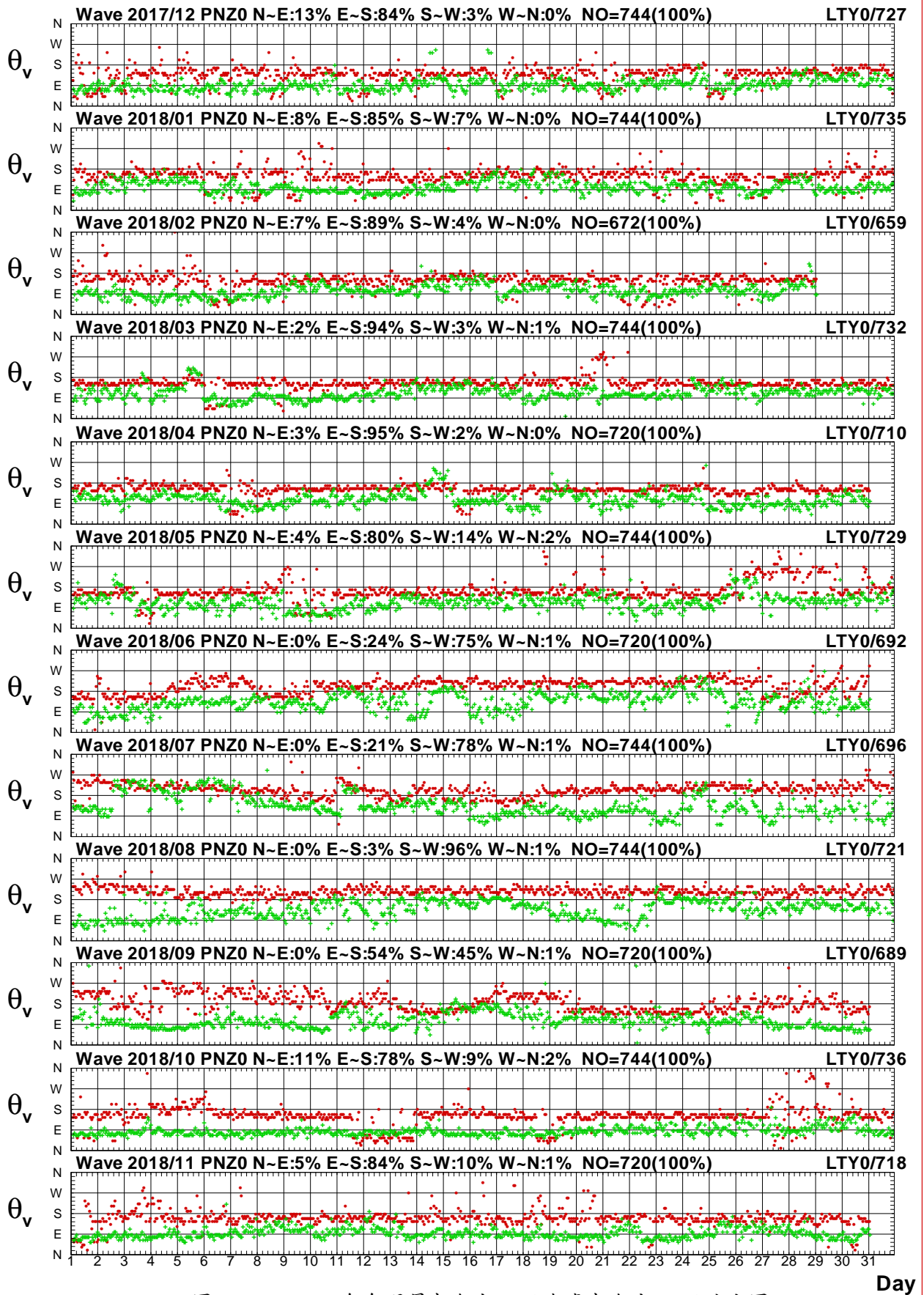


圖2.4.4c 2018年每月屏東海域 Z 站與臺東海域 Y 站波向圖

V17CPNZ0.1HA V17CLTY0.1H0 V181PNZ0.1HA V181LTY0.1H0 V182PNZ0.1HA V182LTY0.1H0
 V183PNZ0.1HA V183LTY0.1H0 V184PNZ0.1HA V184LTY0.1H0 V185PNZ0.1HA V185LTY0.1H0

Institute of Harbor & Marine Technology

Wave H_s in Peng-Tung Seas of PNZ0 at 2018

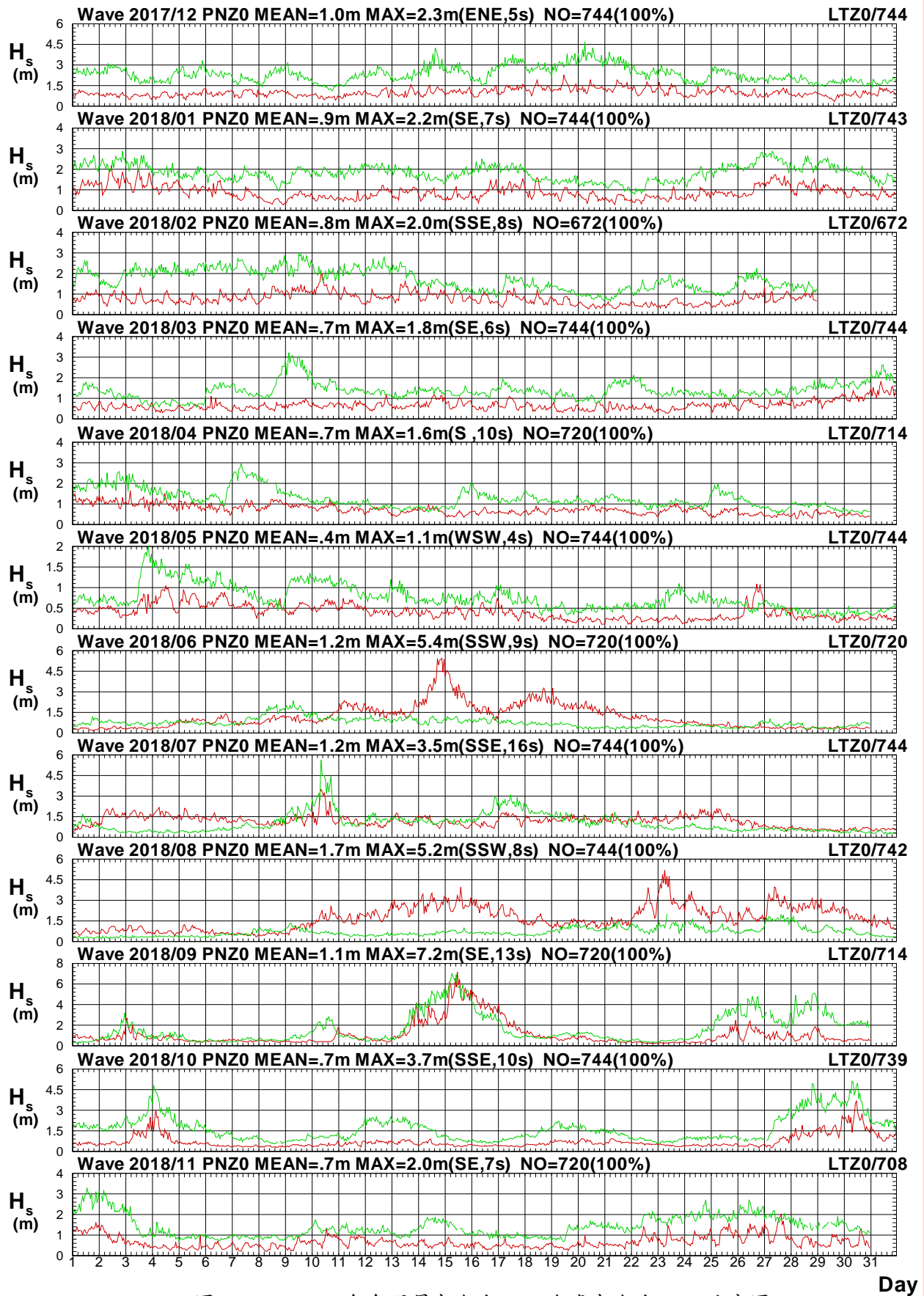


圖2.4.5a 2018年每月屏東海域 Z 站與臺東海域 Z 站波高圖

V17CPNZ0.1HA V17CLTZ0.1H0 V181PNZ0.1HA V181LTZ0.1H0 V182PNZ0.1HA V182LTZ0.1H0
V183PNZ0.1HA V183LTZ0.1H0 V184PNZ0.1HA V184LTZ0.1H0 V185PNZ0.1HA V185LTZ0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNZ0 at 2018

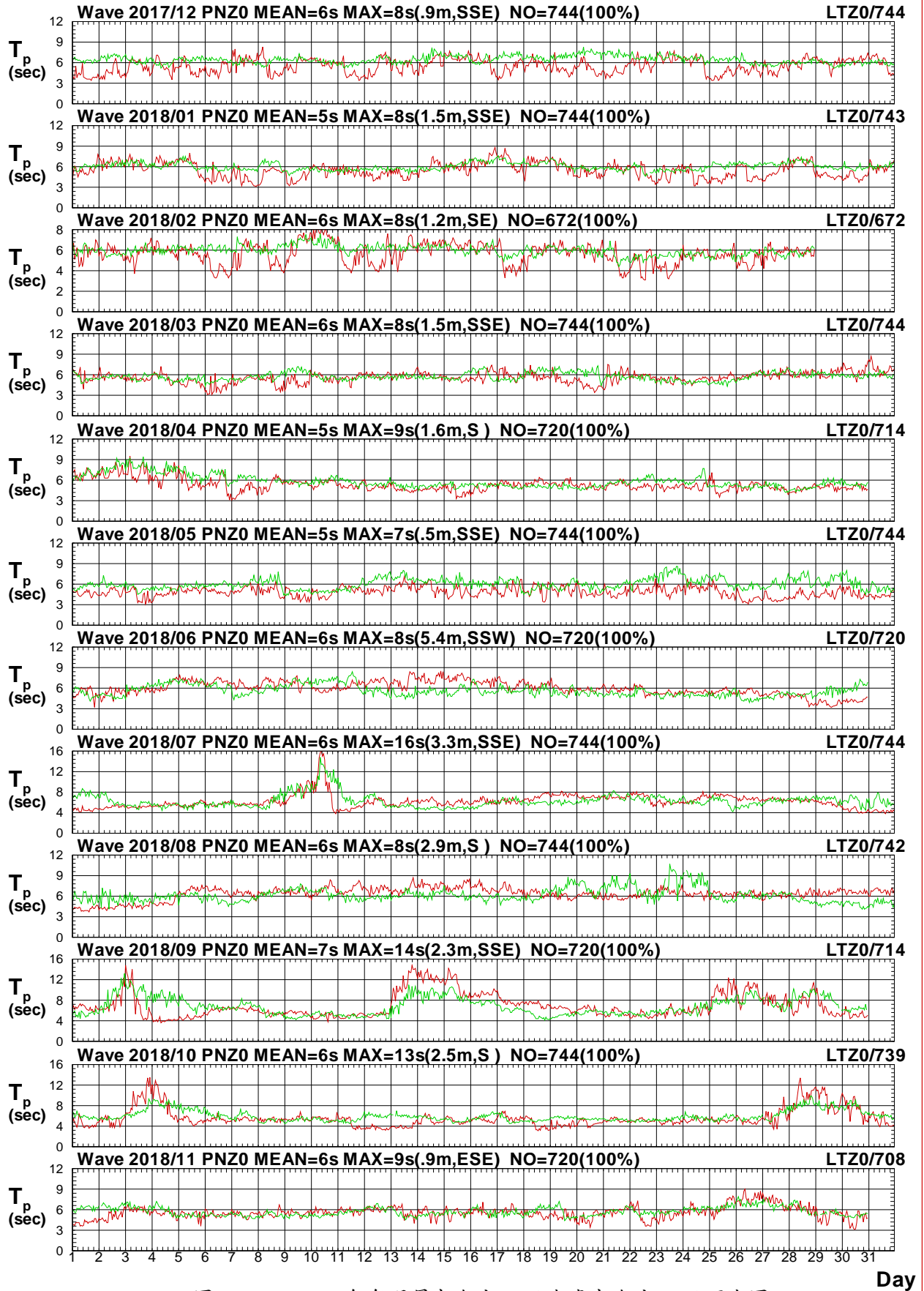


圖2.4.5b 2018年每月屏東海域 Z 站與臺東海域 Z 站週期圖

V17CPNZ0.1HA V17CLTZ0.1H0 V181PNZ0.1HA V181LTZ0.1H0 V182PNZ0.1HA V182LTZ0.1H0
 V183PNZ0.1HA V183LTZ0.1H0 V184PNZ0.1HA V184LTZ0.1H0 V185PNZ0.1HA V185LTZ0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNZ0 at 2018

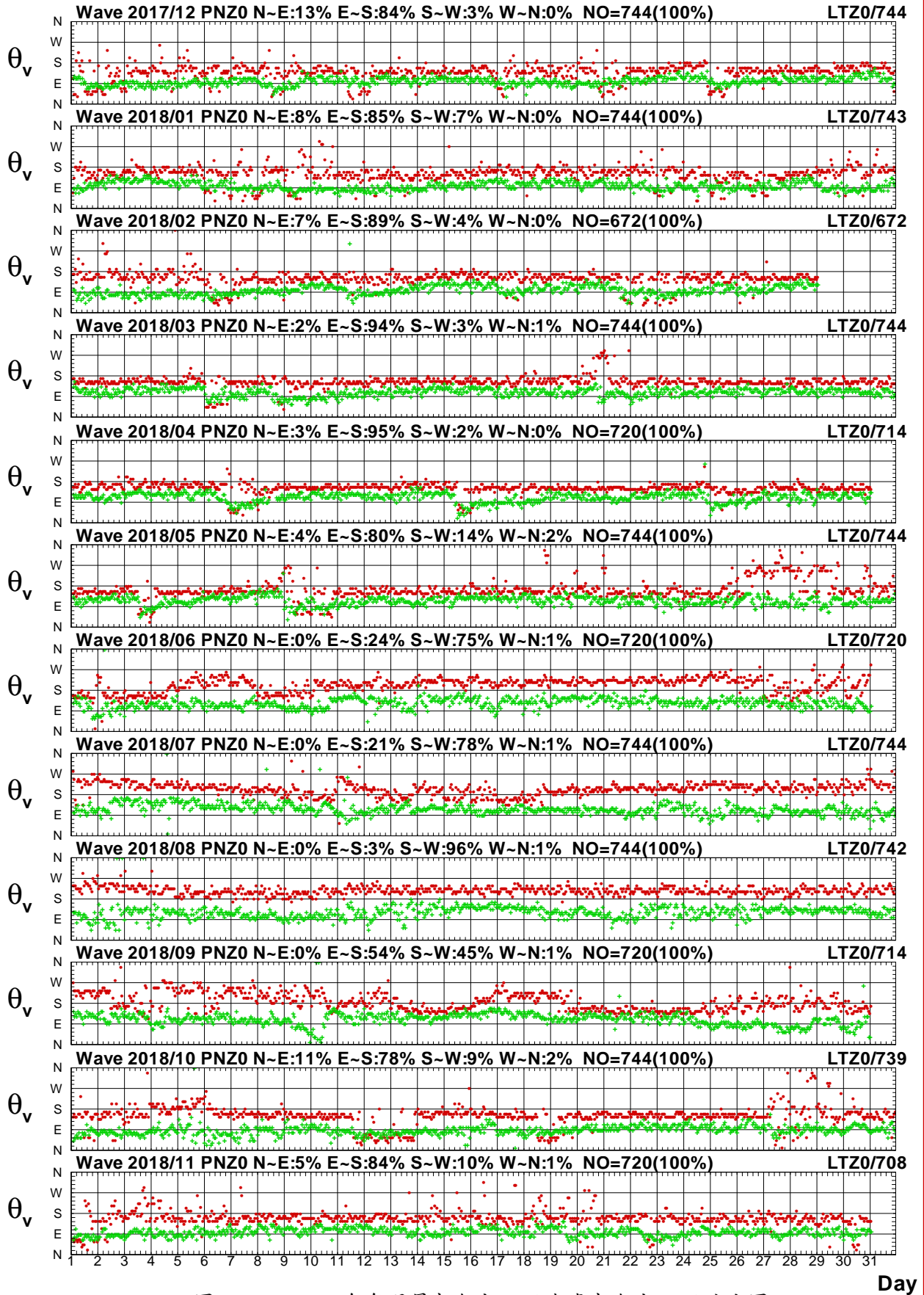


圖2.4.5c 2018年每月屏東海域 Z 站與臺東海域 Z 站波向圖

V17CPNZ0.1HA V17CLTZ0.1H0 V181PNZ0.1HA V181LTZ0.1H0 V182PNZ0.1HA V182LTZ0.1H0
 V183PNZ0.1HA V183LTZ0.1H0 V184PNZ0.1HA V184LTZ0.1H0 V185PNZ0.1HA V185LTZ0.1H0

Institute of Harbor & Marine Technology

Wave H_s in Peng-Tung Seas of PNZ0 at 2018

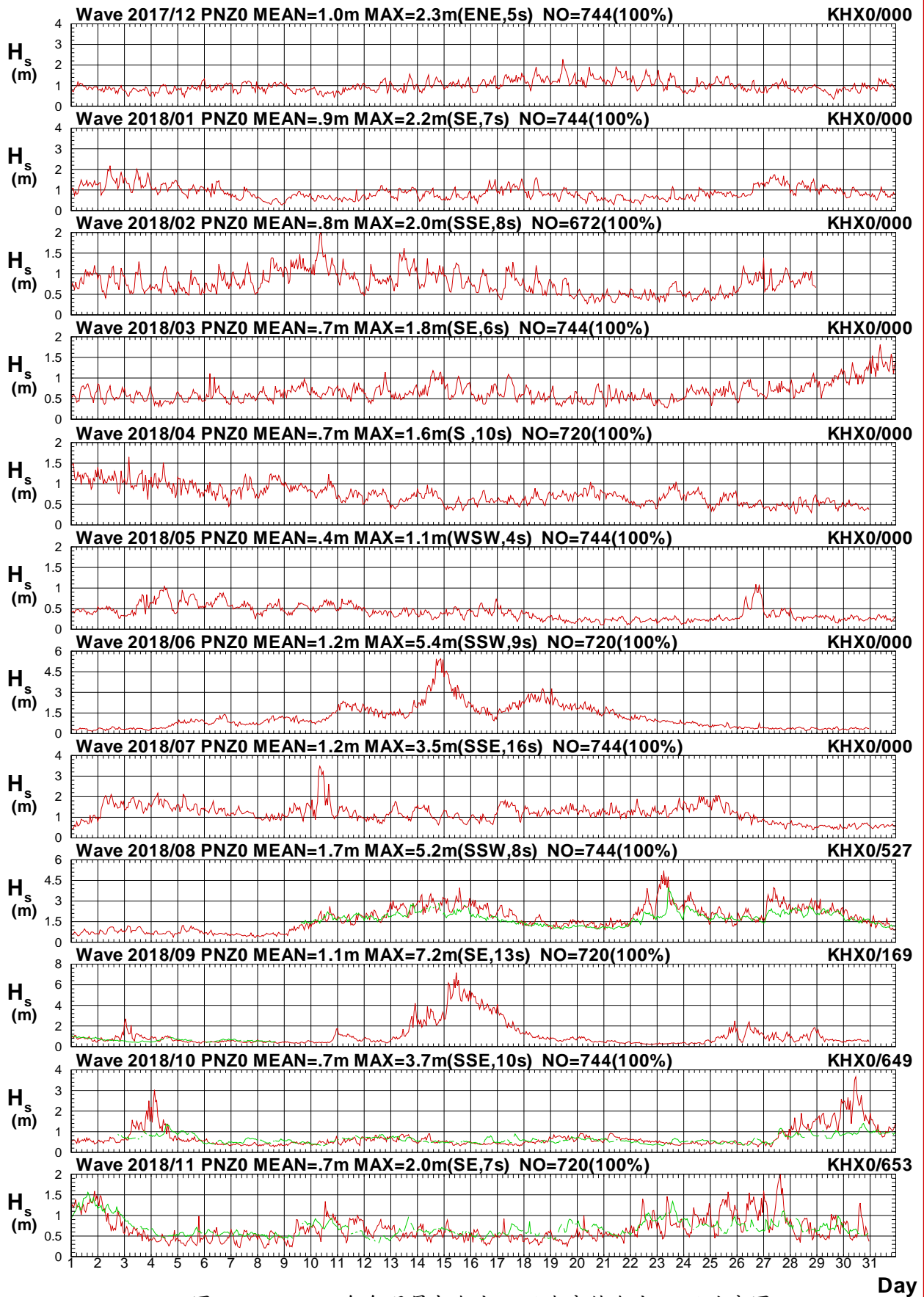


圖2.4.6a 2018年每月屏東海域 Z 站與高雄海域 X 站波高圖

V17CPNZ0.1HA V17CKHX0.1H0 V181PNZ0.1HA V181KHX0.1H0 V182PNZ0.1HA V182KHX0.1H0
 V183PNZ0.1HA V183KHX0.1H0 V184PNZ0.1HA V184KHX0.1H0 V185PNZ0.1HA V185KHX0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNZ0 at 2018

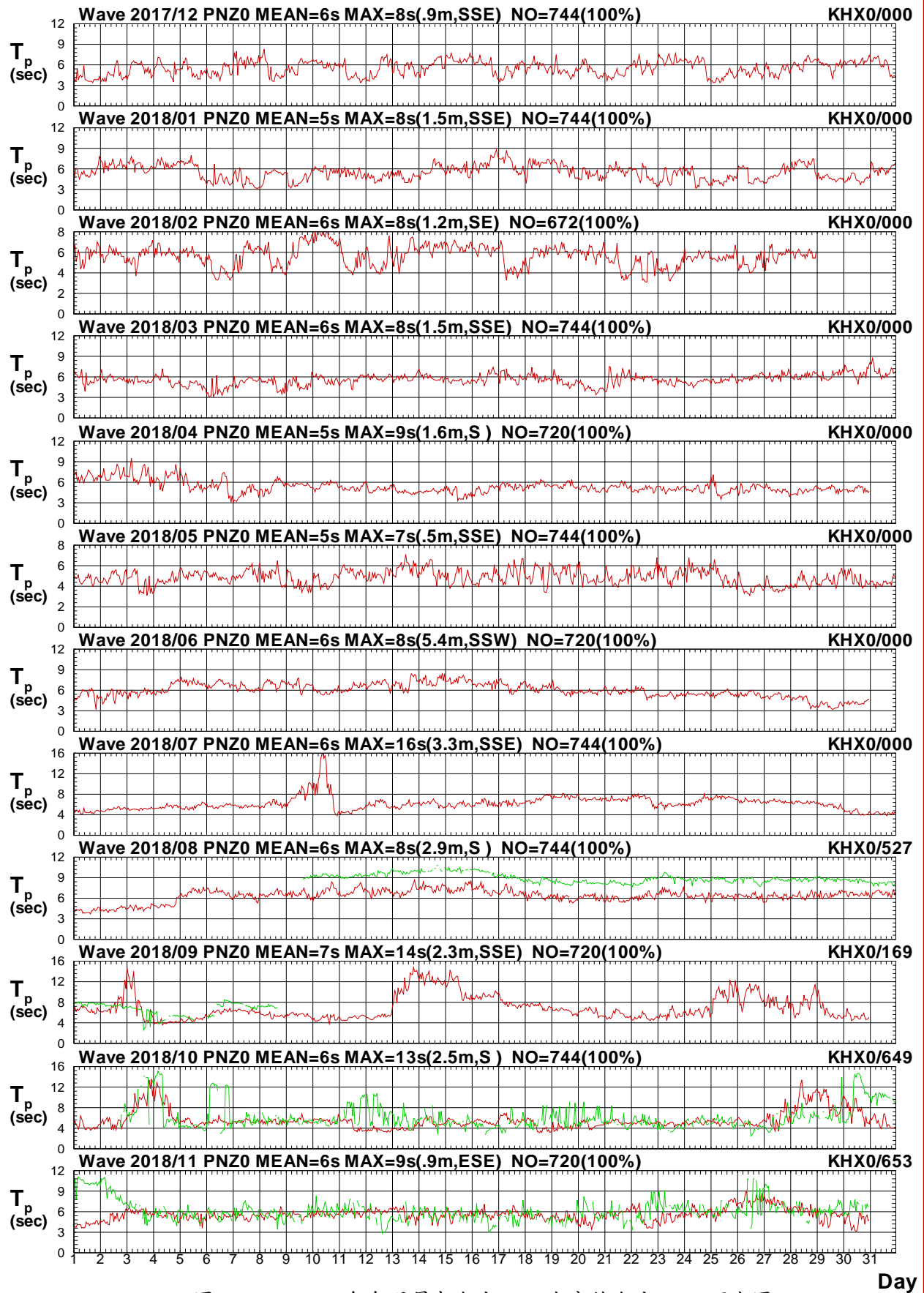


圖2.4.6b 2018年每月屏東海域 Z 站與高雄海域 X 站週期圖

V17CPNZ0.1HA V17CKHX0.1H0 V181PNZ0.1HA V181KHX0.1H0 V182PNZ0.1HA V182KHX0.1H0
 V183PNZ0.1HA V183KHX0.1H0 V184PNZ0.1HA V184KHX0.1H0 V185PNZ0.1HA V185KHX0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNZ0 at 2018

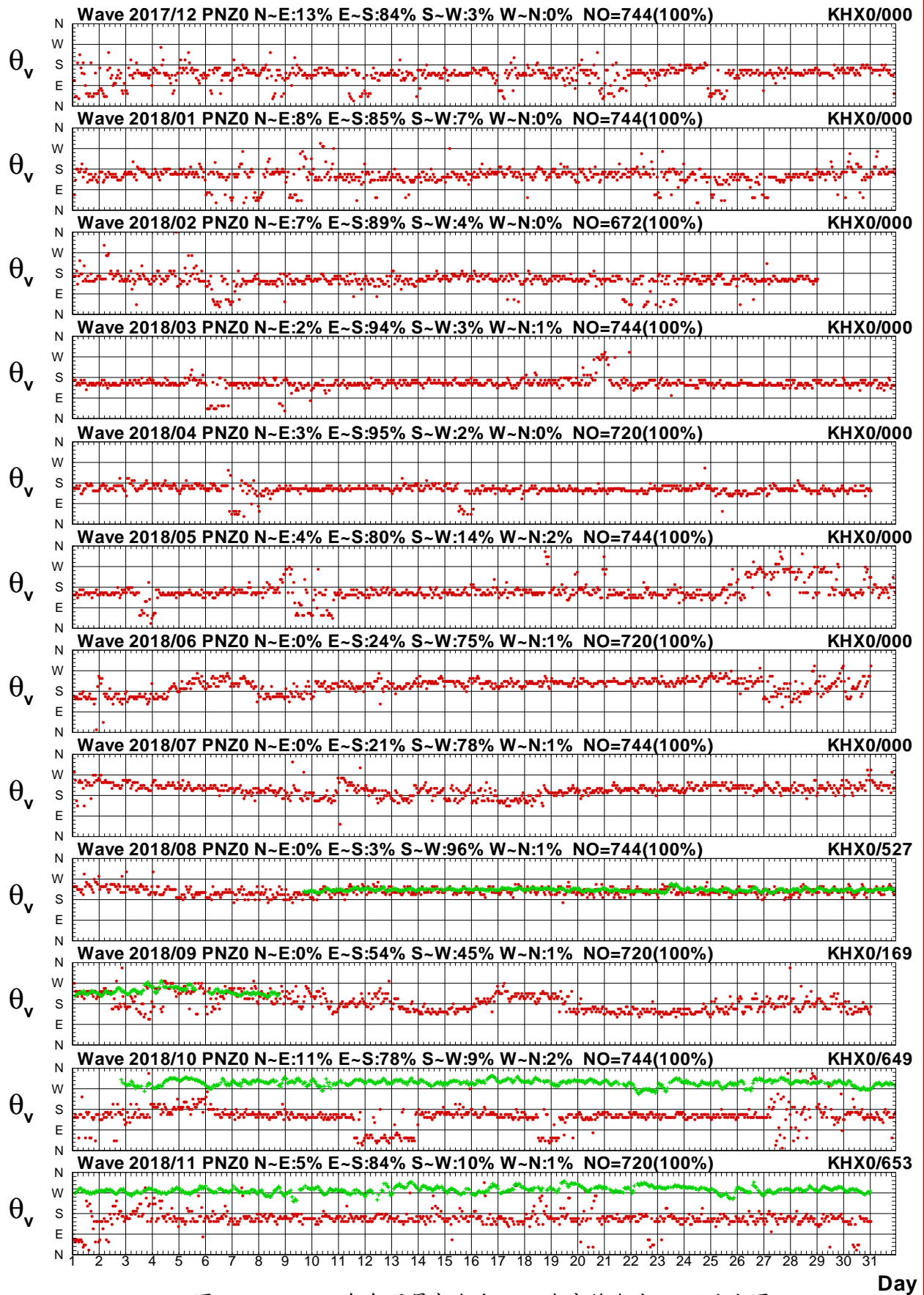


圖2.4.6c 2018年每月屏東海域 Z 站與高雄海域 X 站波向圖

V17CPNZ0.1HA V17CKHX0.1H0 V181PNZ0.1HA V181KHX0.1H0 V182PNZ0.1HA V182KHX0.1H0
 V183PNZ0.1HA V183KHX0.1H0 V184PNZ0.1HA V184KHX0.1H0 V185PNZ0.1HA V185KHX0.1H0

Institute of Harbor & Marine Technology

Wave H_s in Peng-Tung Seas of PNZ0 at 2018

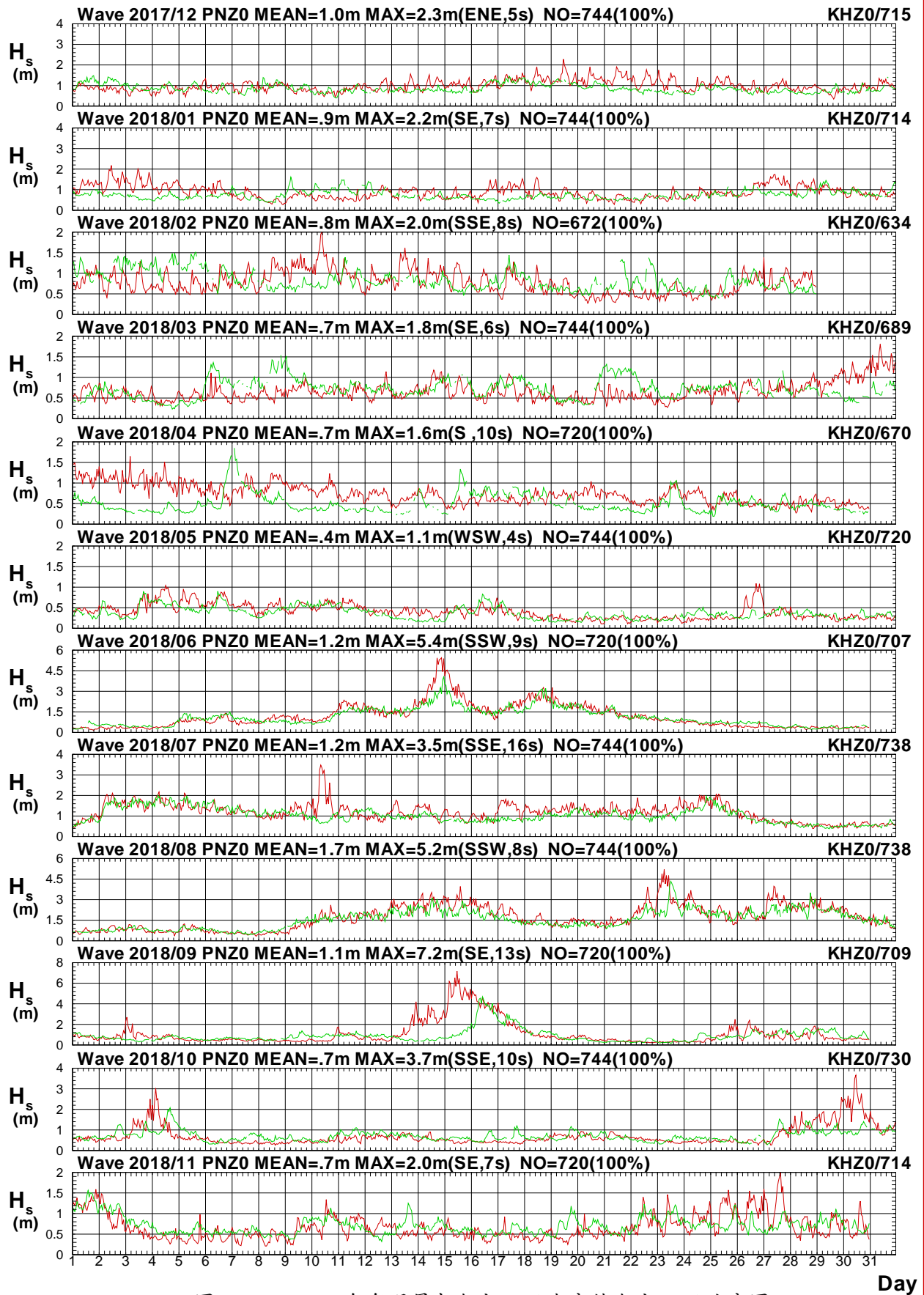


圖2.4.7a 2018年每月屏東海域 Z 站與高雄海域 Z 站波高圖

V17CPNZ0.1HA V17CKHZ0.1H0 V181PNZ0.1HA V181KHZ0.1H0 V182PNZ0.1HA V182KHZ0.1H0
 V183PNZ0.1HA V183KHZ0.1H0 V184PNZ0.1HA V184KHZ0.1H0 V185PNZ0.1HA V185KHZ0.1H0

Institute of Harbor & Marine Technology

Wave T_p in Peng-Tung Seas of PNZ0 at 2018

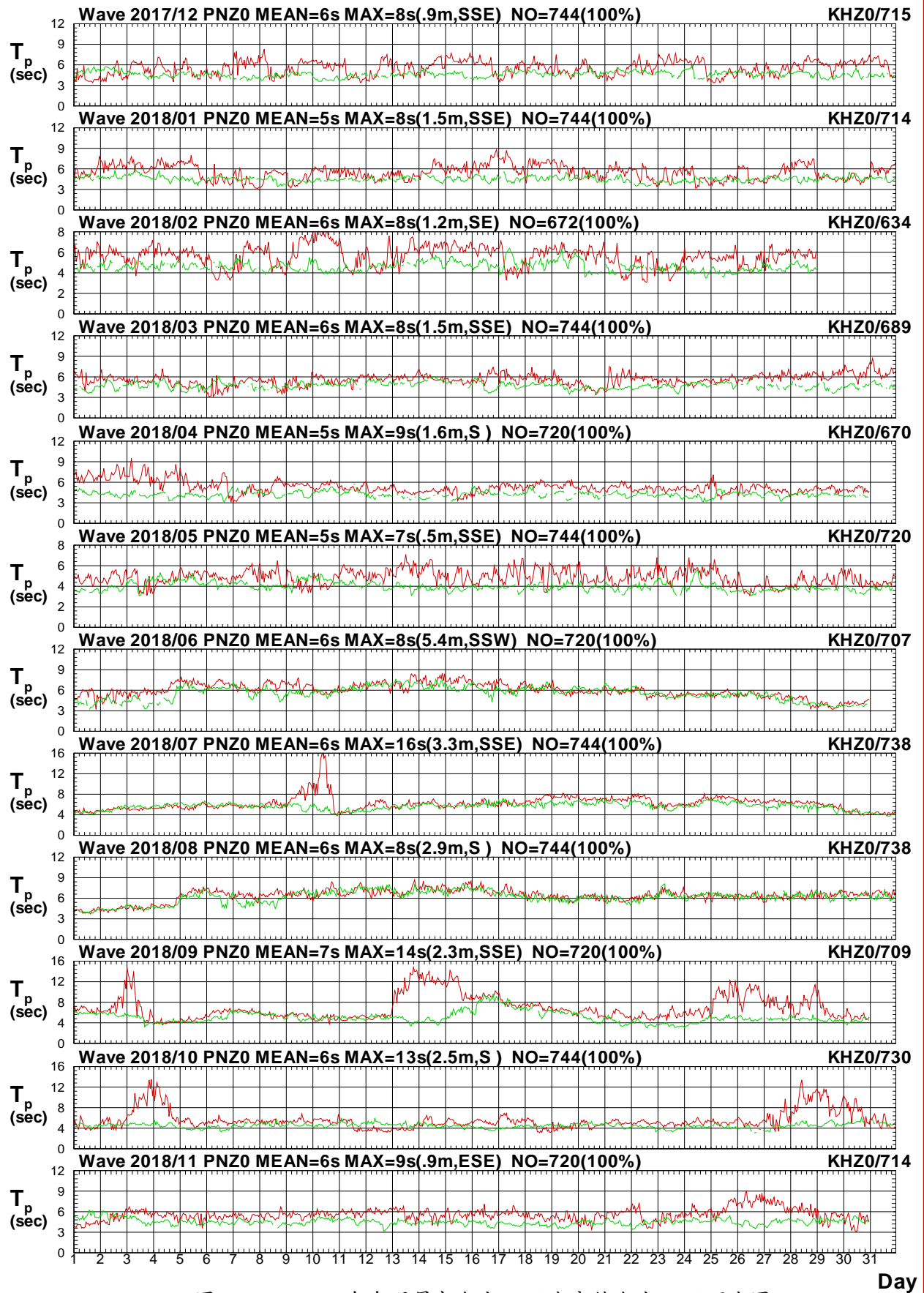


圖2.4.7b 2018年每月屏東海域 Z 站與高雄海域 Z 站週期圖

V17CPNZ0.1HA V17CKHZ0.1H0 V181PNZ0.1HA V181KHZ0.1H0 V182PNZ0.1HA V182KHZ0.1H0
 V183PNZ0.1HA V183KHZ0.1H0 V184PNZ0.1HA V184KHZ0.1H0 V185PNZ0.1HA V185KHZ0.1H0

Institute of Harbor & Marine Technology

Wave Direction in Peng-Tung Seas of PNZ0 at 2018

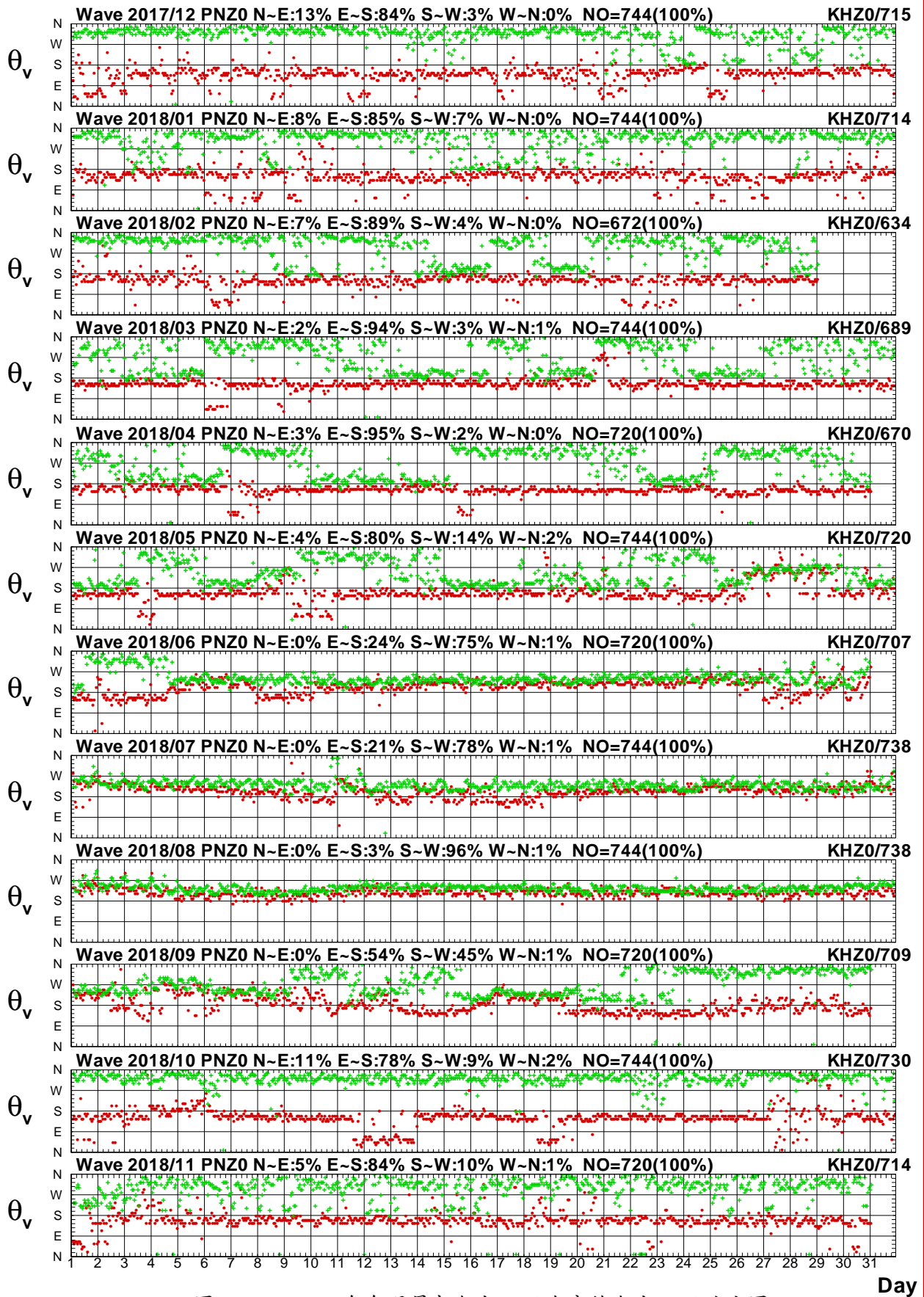


圖2.4.7c 2018年每月屏東海域 Z 站與高雄海域 Z 站波向圖

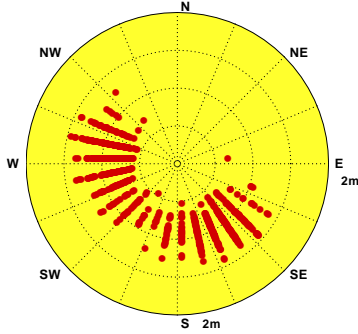
V17CPNZ0.1HA V17CKHZ0.1H0 V181PNZ0.1HA V181KHZ0.1H0 V182PNZ0.1HA V182KHZ0.1H0
 V183PNZ0.1HA V183KHZ0.1H0 V184PNZ0.1HA V184KHZ0.1H0 V185PNZ0.1HA V185KHZ0.1H0

Institute of Harbor & Marine Technology

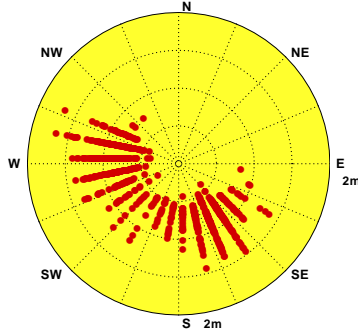
2.5 2018 年屏東海域波浪各測站修補前 波浪向量分佈圖

Distribution of H_s Vectors

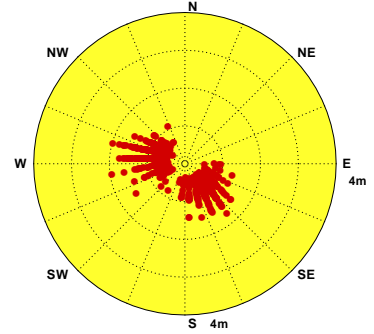
Wave of PNY0 at 2017/12 NO=735(99%)
 Hs : MEAN=1.0m MAX=1.5m(W, 6s)
 N-E:0% E-S:41% S-W:27% W-N:32%



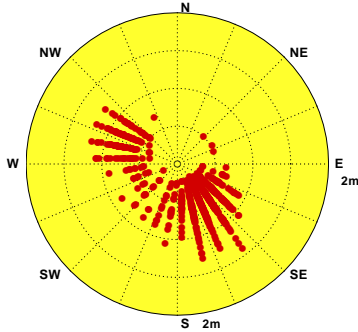
Wave of PNY0 at 2018/01 NO=738(99%)
 Hs : MEAN=.9m MAX=1.7m(W, 7s)
 N-E:0% E-S:43% S-W:27% W-N:30%



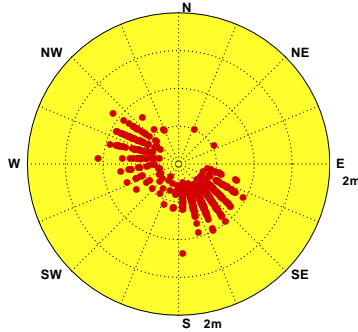
Wave of PNY0 at 2018/02 NO=663(99%)
 Hs : MEAN=.9m MAX=2.1m(WSW,7s)
 N-E:0% E-S:45% S-W:15% W-N:40%



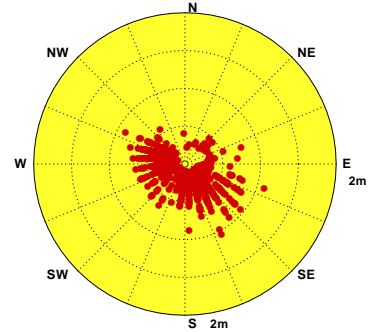
Wave of PNY0 at 2018/03 NO=730(98%)
 Hs : MEAN=.7m MAX=1.4m(SE,5s)
 N-E:0% E-S:68% S-W:12% W-N:20%



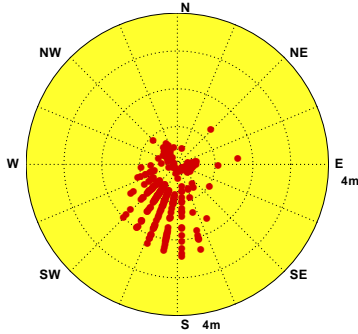
Wave of PNY0 at 2018/04 NO=683(95%)
 Hs : MEAN=.6m MAX=1.3m(S, 5s)
 N-E:0% E-S:72% S-W:12% W-N:16%



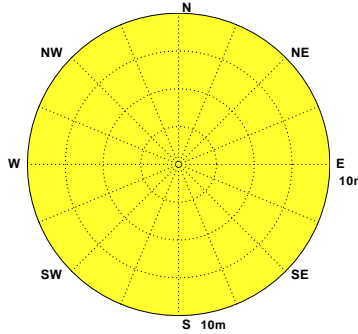
Wave of PNY0 at 2018/05 NO=683(92%)
 Hs : MEAN=.4m MAX=1.1m(SSE,4s)
 N-E:2% E-S:46% S-W:33% W-N:19%



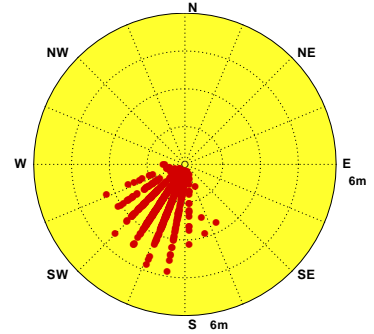
Wave of PNY0 at 2018/06 NO=280(39%)
 Hs : MEAN=1.1m MAX=2.6m(S, 7s)
 N-E:1% E-S:15% S-W:71% W-N:13%



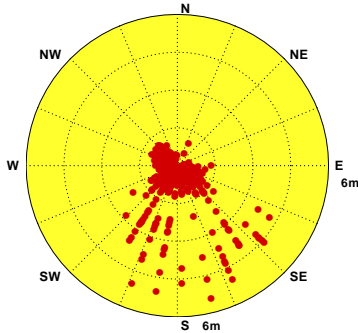
Wave of PNY0 at 2018/07



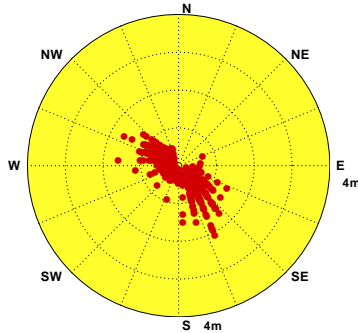
Wave of PNY0 at 2018/08 NO=664(89%)
 Hs : MEAN=2.0m MAX=4.6m(S, 7s)
 N-E:0% E-S:1% S-W:99% W-N:0%



Wave of PNY0 at 2018/09 NO=693(96%)
 Hs : MEAN=1.0m MAX=5.6m(SSE,9s)
 N-E:0% E-S:30% S-W:52% W-N:18%



Wave of PNY0 at 2018/10 NO=707(95%)
 Hs : MEAN=.6m MAX=2.2m(SSE,10s)
 N-E:0% E-S:30% S-W:28% W-N:42%



Wave of PNY0 at 2018/11 NO=713(99%)
 Hs : MEAN=.7m MAX=1.8m(SW,7s)
 N-E:0% E-S:37% S-W:28% W-N:35%

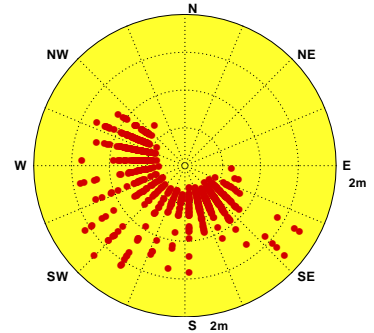


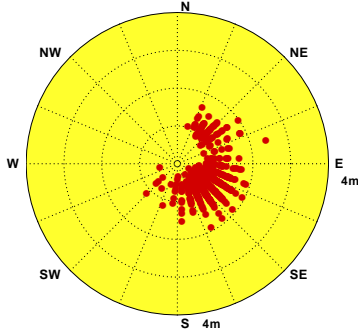
圖2.5.1 2018年屏東海域每月 Y 站修補前觀測波高向量分佈圖

V17CPNY0.1H0 V181PNY0.1H0 V182PNY0.1H0 V183PNY0.1H0 V184PNY0.1H0 V185PNY0.1H0
 V186PNY0.1H0 V187PNY0.1H0 V188PNY0.1H0 V189PNY0.1H0 V18APNY0.1H0 V18BPNY0.1H0

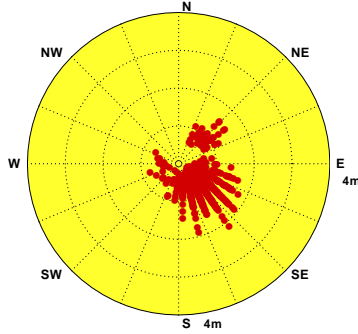
Institute of Harbor & Marine Technology

Distribution of H_s Vectors

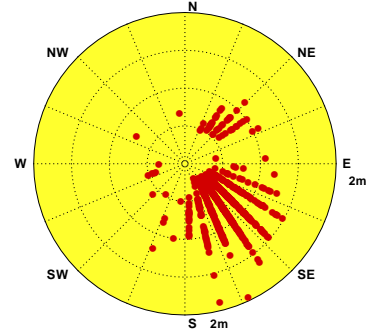
Wave of PNZO at 2017/12 NO=741(100%)
 Hs : MEAN=1.0m MAX=2.3m(ENE,5s)
 N-E:13% E-S:84% S-W:3% W-N:0%



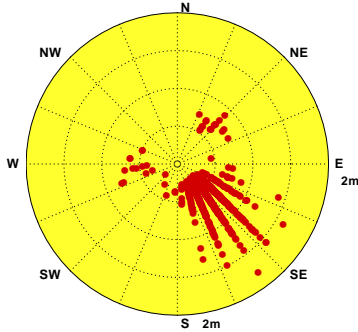
Wave of PNZO at 2018/01 NO=741(100%)
 Hs : MEAN=.9m MAX=2.2m(SE,7s)
 N-E:8% E-S:85% S-W:7% W-N:0%



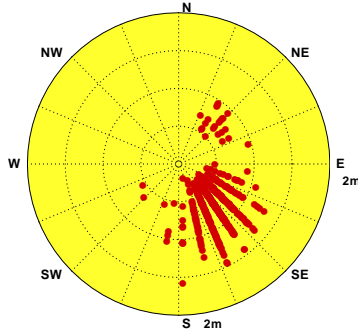
Wave of PNZO at 2018/02 NO=671(100%)
 Hs : MEAN=.8m MAX=2.0m(SSE,8s)
 N-E:7% E-S:89% S-W:4% W-N:0%



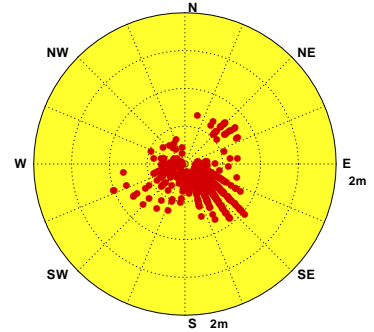
Wave of PNZO at 2018/03 NO=741(100%)
 Hs : MEAN=.7m MAX=1.8m(SE,6s)
 N-E:2% E-S:94% S-W:3% W-N:1%



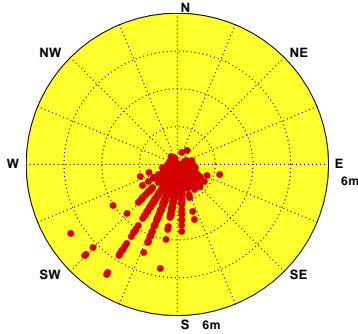
Wave of PNZO at 2018/04 NO=720(100%)
 Hs : MEAN=.7m MAX=1.6m(S,10s)
 N-E:3% E-S:95% S-W:2% W-N:0%



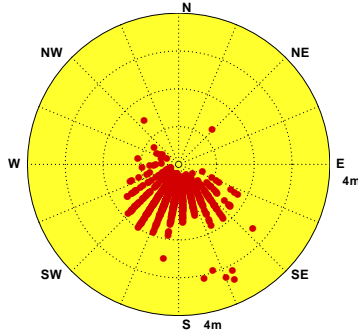
Wave of PNZO at 2018/05 NO=741(100%)
 Hs : MEAN=.4m MAX=1.1m(WSW,4s)
 N-E:4% E-S:80% S-W:14% W-N:2%



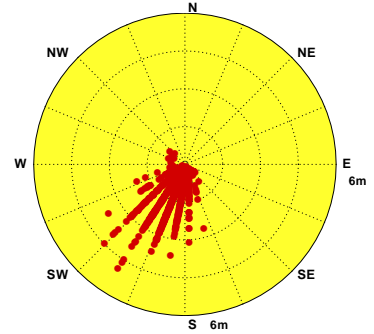
Wave of PNZO at 2018/06 NO=718(100%)
 Hs : MEAN=1.2m MAX=5.4m(SSW,9s)
 N-E:0% E-S:24% S-W:75% W-N:1%



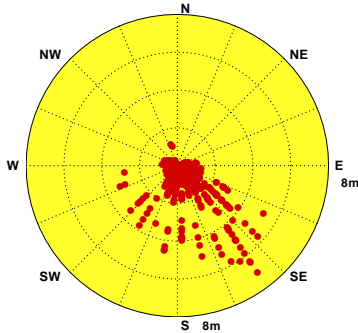
Wave of PNZO at 2018/07 NO=744(100%)
 Hs : MEAN=1.2m MAX=3.5m(SSE,16s)
 N-E:0% E-S:21% S-W:78% W-N:1%



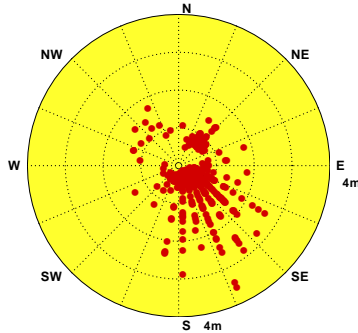
Wave of PNZO at 2018/08 NO=743(100%)
 Hs : MEAN=1.7m MAX=5.2m(SSW,8s)
 N-E:0% E-S:3% S-W:96% W-N:1%



Wave of PNZO at 2018/09 NO=719(100%)
 Hs : MEAN=1.1m MAX=7.2m(SE,13s)
 N-E:0% E-S:54% S-W:45% W-N:1%



Wave of PNZO at 2018/10 NO=743(100%)
 Hs : MEAN=.7m MAX=3.7m(SSE,10s)
 N-E:11% E-S:78% S-W:9% W-N:2%



Wave of PNZO at 2018/11 NO=717(100%)
 Hs : MEAN=.7m MAX=2.0m(SE,7s)
 N-E:5% E-S:84% S-W:10% W-N:1%

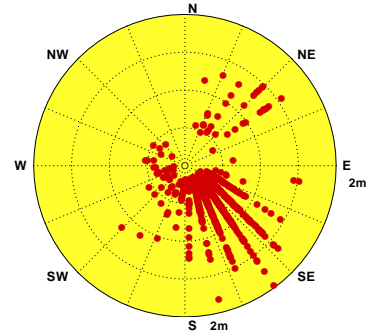


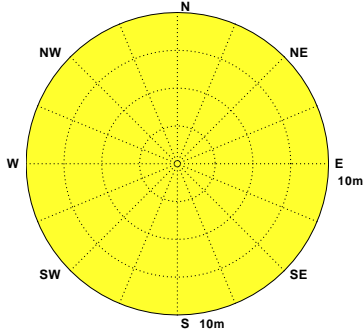
圖2.5.2 2018年屏東海域每月乙站修補前觀測波高向量分佈圖

V17CPNZ0.1H0 V181PNZO.1H0 V182PNZO.1H0 V183PNZO.1H0 V184PNZO.1H0 V185PNZO.1H0
 V186PNZO.1H0 V187PNZO.1H0 V188PNZO.1H0 V189PNZO.1H0 V18APNZ0.1H0 V18BPNZ0.1H0

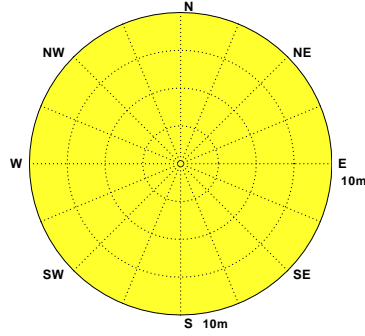
Institute of Harbor & Marine Technology

Distribution of H_s Vectors

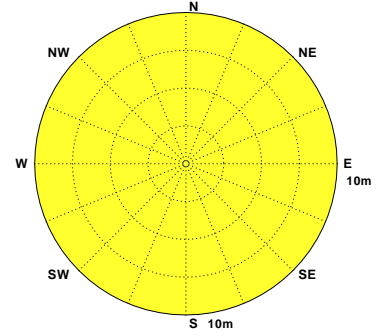
Wave of PNR0 at 2017/12



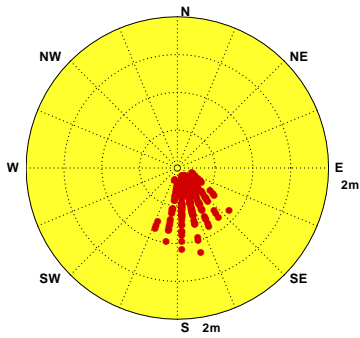
Wave of PNR0 at 2018/01



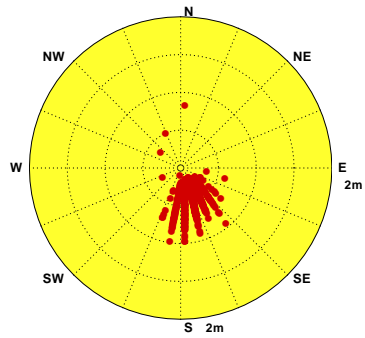
Wave of PNR0 at 2018/02



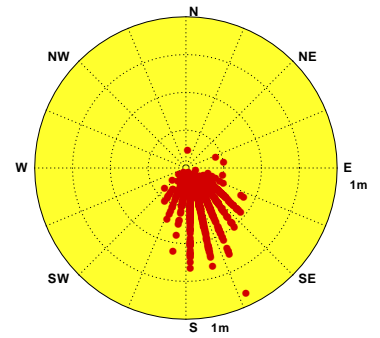
Wave of PNR0 at 2018/03 NO=277(37%)
Hs : MEAN=.5m MAX=1.2m(SSE,7s)
N-E:0% E-S:63% S-W:37% W-N:0%



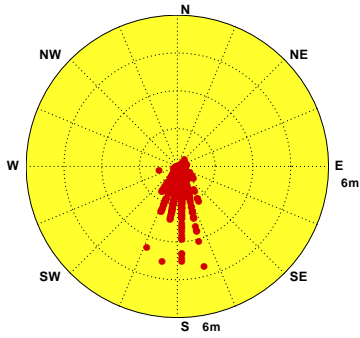
Wave of PNR0 at 2018/04 NO=686(95%)
Hs : MEAN=.5m MAX=1.1m(S, 7s)
N-E:0% E-S:61% S-W:39% W-N:0%



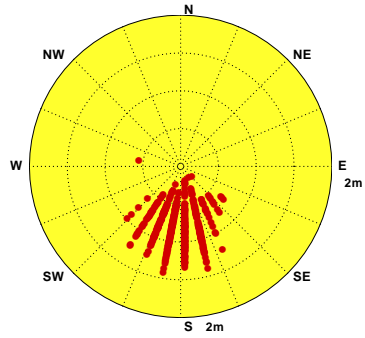
Wave of PNR0 at 2018/05 NO=727(98%)
Hs : MEAN=.3m MAX=.9m(SSE,6s)
N-E:0% E-S:63% S-W:37% W-N:0%



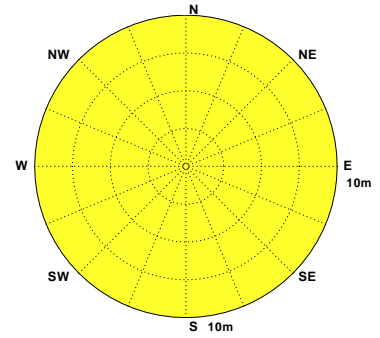
Wave of PNR0 at 2018/06 NO=715(99%)
Hs : MEAN=.9m MAX=4.3m(SSE,8s)
N-E:0% E-S:31% S-W:69% W-N:0%



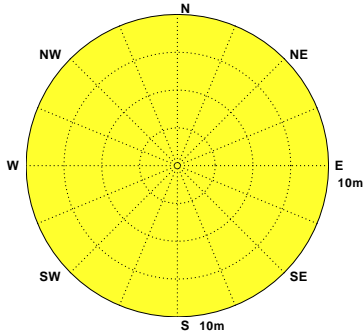
Wave of PNR0 at 2018/07 NO=555(75%)
Hs : MEAN=.9m MAX=1.5m(S, 8s)
N-E:0% E-S:24% S-W:76% W-N:0%



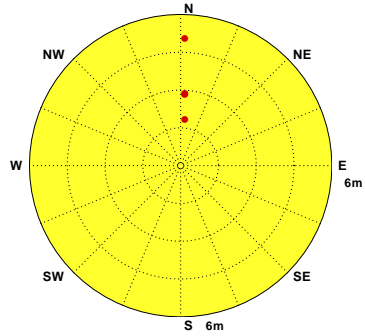
Wave of PNR0 at 2018/08



Wave of PNR0 at 2018/09



Wave of PNR0 at 2018/10 NO=5(1%)
Hs : MEAN=3.5m MAX=6.0m(N, 9s)
N-E:99% E-S:0% S-W:0% W-N:0%



Wave of PNR0 at 2018/11

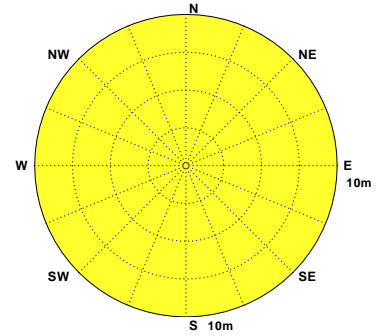


圖2.5.3 2018年屏東海域每月 R 站修補前觀測波高向量分佈圖

V17CPNR0.1H0 V181PNR0.1H0 V182PNR0.1H0 V183PNR0.1H0 V184PNR0.1H0 V185PNR0.1H0
V186PNR0.1H0 V187PNR0.1H0 V188PNR0.1H0 V189PNR0.1H0 V18APNR0.1H0 V18BPNR0.1H0

Institute of Harbor & Marine Technology

第三章 2018 年屏東海域觀測潮汐資料年報

屏東海域潮汐之觀測包括測站 **F**、測站 **K**、測站 **J**、測站 **P** 及測站 **Q** 等 5 個測站(測站位置如第 0 章圖 TJ1)。測站 **J** 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 **J** 資料作為**主要測站 1**，測站 **Q** 資料作為**主要測站 2**，測站 **F** 資料作為**主要測站 3**。

3.1 2018 年屏東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 年屏東海域**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 年屏東海域**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 年屏東海域**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 年屏東海域**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年每月屏東海域修補前各測站觀測潮汐資料紀錄表

海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域
年月/測站	J	Q	F	P	K	M						
2017/12月	555(74.6%)	563(75.7%)	695(93.4%)	551(74.1%)	707(95.0%)	*	*	*	*	*	*	*
2018/ 1月	709(95.3%)	709(95.3%)	698(93.8%)	711(95.6%)	567(76.2%)	*	*	*	*	*	*	*
2018/ 2月	629(93.6%)	653(97.2%)	641(95.4%)	654(97.3%)	524(78.0%)	*	*	*	*	*	*	*
2018/ 3月	707(95.0%)	707(95.0%)	701(94.2%)	708(95.2%)	607(81.6%)	*	*	*	*	*	*	*
2018/ 4月	671(93.2%)	695(96.5%)	678(94.2%)	697(96.8%)	679(94.3%)	*	*	*	*	*	*	*
2018/ 5月	421(56.6%)	396(53.2%)	705(94.8%)	396(53.2%)	679(91.3%)	*	*	*	*	*	*	*
2018/ 6月	679(94.3%)	683(94.9%)	686(95.3%)	681(94.6%)	699(97.1%)	*	*	*	*	*	*	*
2018/ 7月	680(91.4%)	705(94.8%)	694(93.3%)	705(94.8%)	739(99.3%)	*	*	*	*	*	*	*
2018/ 8月	723(97.2%)	723(97.2%)	700(94.1%)	603(81.0%)	744(100%)	*	*	*	*	*	*	*
2018/ 9月	667(92.6%)	665(92.4%)	699(97.1%)	561(77.9%)	696(96.7%)	*	*	*	*	*	*	*
2018/10月	454(61.0%)	739(99.3%)	695(93.4%)	491(66.0%)	632(84.9%)	*	*	*	*	*	*	*
2018/11月	671(93.2%)	647(89.9%)	685(95.1%)	670(93.1%)	546(75.8%)	*	*	*	*	*	*	*
2018/冬季	1893(87.6%)	1925(89.1%)	2034(94.2%)	1916(88.7%)	1798(83.2%)	*	*	*	*	*	*	*
2018/春季	1799(81.5%)	1798(81.4%)	2084(94.4%)	1801(81.6%)	1965(89.0%)	*	*	*	*	*	*	*
2018/夏季	2082(94.3%)	2111(95.6%)	2080(94.2%)	1989(90.1%)	2182(98.8%)	*	*	*	*	*	*	*
2018/秋季	1792(82.1%)	2051(93.9%)	2079(95.2%)	1722(78.8%)	1874(85.8%)	*	*	*	*	*	*	*
2018/整年	7566(86.4%)	7885(90.0%)	8277(94.5%)	7428(84.8%)	7819(89.3%)	*	*	*	*	*	*	*
起始年月	2017/12	2017/12	2017/12	2017/12	2017/12	*	*	*	*	*	*	*
結束年月	2018/11	2018/11	2018/11	2018/11	2018/11	*	*	*	*	*	*	*

3-1-3

表 3.1.1b 2018年每月屏東海域修補後各測站潮汐資料紀錄表

海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域
年月/測站	J	Q	F									
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	*	*	*	*	*	*	*	*	*

3-1-8

表3.1.2 2018年屏東海域主要測站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	J	56	129	99	123	14.4	26.0	19.3	25.3	45	0	73	-74	744(100%)
2	2018/01	J	48	133	89	118	15.7	26.0	22.9	25.3	46	0	75	-60	744(100%)
3	2018/02	J	47	91	77	90	13.4	26.0	17.5	25.3	46	0	69	-58	672(100%)
4	2018/03	J	52	89	68	79	13.5	25.0	17.4	24.8	54	0	57	-66	744(100%)
5	2018/04	J	55	87	69	77	14.8	26.0	20.4	25.5	48	0	52	-49	720(100%)
6	2018/05	J	56	107	81	94	15.3	25.0	21.9	25.0	48	0	76	-56	744(100%)
7	2018/06	J	51	127	90	121	15.5	25.0	22.1	25.0	42	0	81	-62	720(100%)
8	2018/07	J	54	103	83	99	13.6	25.0	16.6	24.6	52	0	84	-59	744(100%)
9	2018/08	J	55	105	76	96	12.9	25.0	15.9	19.4	57	0	82	-54	744(100%)
10	2018/09	J	60	95	79	91	12.9	25.0	15.9	19.8	50	0	67	-59	720(100%)
11	2018/10	J	57	96	77	91	14.7	26.0	20.7	25.5	49	0	62	-55	744(100%)
12	2018/11	J	58	86	74	83	14.2	25.0	18.5	25.0	45	0	64	-58	720(100%)
13	2018/冬	J	51	133	89	114	14.5	26.0	20.1	25.2	137	0	75	-74	2160(100%)
14	2018/春	J	54	107	73	84	14.5	26.0	19.9	25.1	150	0	76	-66	2208(100%)
15	2018/夏	J	53	127	82	105	13.9	25.0	18.1	24.7	151	0	84	-62	2208(100%)
16	2018/秋	J	58	96	76	89	13.9	26.0	18.3	25.1	144	0	67	-59	2184(100%)
17	2018/年	J	54	133	80	99	14.2	26.0	19.0	25.1	582	0	84	-74	8760(100%)

表3.1.3 2018年屏東海域主要測站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	Q	65	169	115	156	14.2	25.0	18.5	24.5	45	0	93	-79	744(100%)
2	2018/01	Q	71	176	111	160	14.3	26.0	19.6	25.0	51	0	94	-90	744(100%)
3	2018/02	Q	76	118	96	109	14.0	27.0	19.1	26.0	44	0	85	-82	672(100%)
4	2018/03	Q	73	122	104	117	14.3	26.0	19.4	25.2	51	0	73	-79	744(100%)
5	2018/04	Q	68	120	95	115	15.1	26.0	21.5	25.8	47	0	62	-59	720(100%)
6	2018/05	Q	68	154	107	150	15.2	25.0	21.5	25.0	45	0	80	-78	744(100%)
7	2018/06	Q	67	171	122	160	14.8	26.0	20.6	25.3	38	0	89	-89	720(100%)
8	2018/07	Q	64	111	95	109	15.6	26.0	22.8	25.5	47	0	96	-73	744(100%)
9	2018/08	Q	67	103	90	101	14.7	26.0	20.8	25.3	47	0	90	-79	744(100%)
10	2018/09	Q	71	147	111	142	13.7	26.0	17.7	25.5	48	0	72	-79	720(100%)
11	2018/10	Q	70	125	104	120	14.0	26.0	18.8	25.8	48	0	67	-66	744(100%)
12	2018/11	Q	75	159	112	150	15.1	26.0	21.9	26.0	46	0	79	-80	720(100%)
13	2018/冬	Q	70	176	108	144	14.2	27.0	19.2	25.1	140	0	94	-90	2160(100%)
14	2018/春	Q	70	154	104	128	14.9	26.0	20.8	25.3	143	0	80	-79	2208(100%)
15	2018/夏	Q	66	171	100	128	15.1	26.0	21.1	25.3	132	0	96	-89	2208(100%)
16	2018/秋	Q	72	159	109	135	14.3	26.0	19.4	25.6	142	0	79	-81	2184(100%)
17	2018/年	Q	70	176	105	134	14.6	27.0	20.1	25.4	557	0	96	-90	8760(100%)

表3.1.4 2018年屏東海域主要測站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	F	54	129	106	127	14.5	25.0	19.7	25.0	48	0	82	-50	744(100%)
2	2018/01	F	51	106	94	106	13.9	26.0	18.6	24.8	52	0	80	-62	744(100%)
3	2018/02	F	51	130	80	108	14.9	26.0	21.4	25.3	44	0	76	-58	672(100%)
4	2018/03	F	57	95	77	91	14.6	25.0	20.7	25.0	50	0	62	-51	744(100%)
5	2018/04	F	58	102	84	100	15.4	26.0	22.4	25.8	46	0	59	-46	720(100%)
6	2018/05	F	58	95	82	92	15.6	26.0	23.0	25.3	47	0	68	-57	744(100%)
7	2018/06	F	52	104	82	98	16.9	26.0	24.8	25.3	42	0	81	-62	720(100%)
8	2018/07	F	50	146	102	136	16.3	26.0	23.9	25.3	45	0	90	-58	744(100%)
9	2018/08	F	47	120	79	103	15.4	26.0	22.1	25.3	45	0	83	-49	744(100%)
10	2018/09	F	54	92	76	89	14.6	26.0	20.5	25.3	45	0	61	-54	720(100%)
11	2018/10	F	57	83	73	79	15.0	26.0	21.3	26.0	45	0	63	-52	744(100%)
12	2018/11	F	56	87	76	85	16.2	26.0	24.3	25.8	43	0	68	-62	720(100%)
13	2018/冬	F	52	130	94	115	14.4	26.0	19.8	25.1	144	0	82	-62	2160(100%)
14	2018/春	F	58	102	81	95	15.2	26.0	21.9	25.3	143	0	68	-57	2208(100%)
15	2018/夏	F	49	146	88	116	16.2	26.0	23.8	25.2	132	0	90	-62	2208(100%)
16	2018/秋	F	56	92	75	85	15.2	26.0	22.0	25.8	133	0	68	-62	2184(100%)
17	2018/年	F	54	146	85	106	15.2	26.0	21.8	25.4	552	0	90	-62	8760(100%)

Tidal Level in Peng-Tung Seas of PNJ0 at 2018

1 ○ 8 ● 15 ● 22 ●

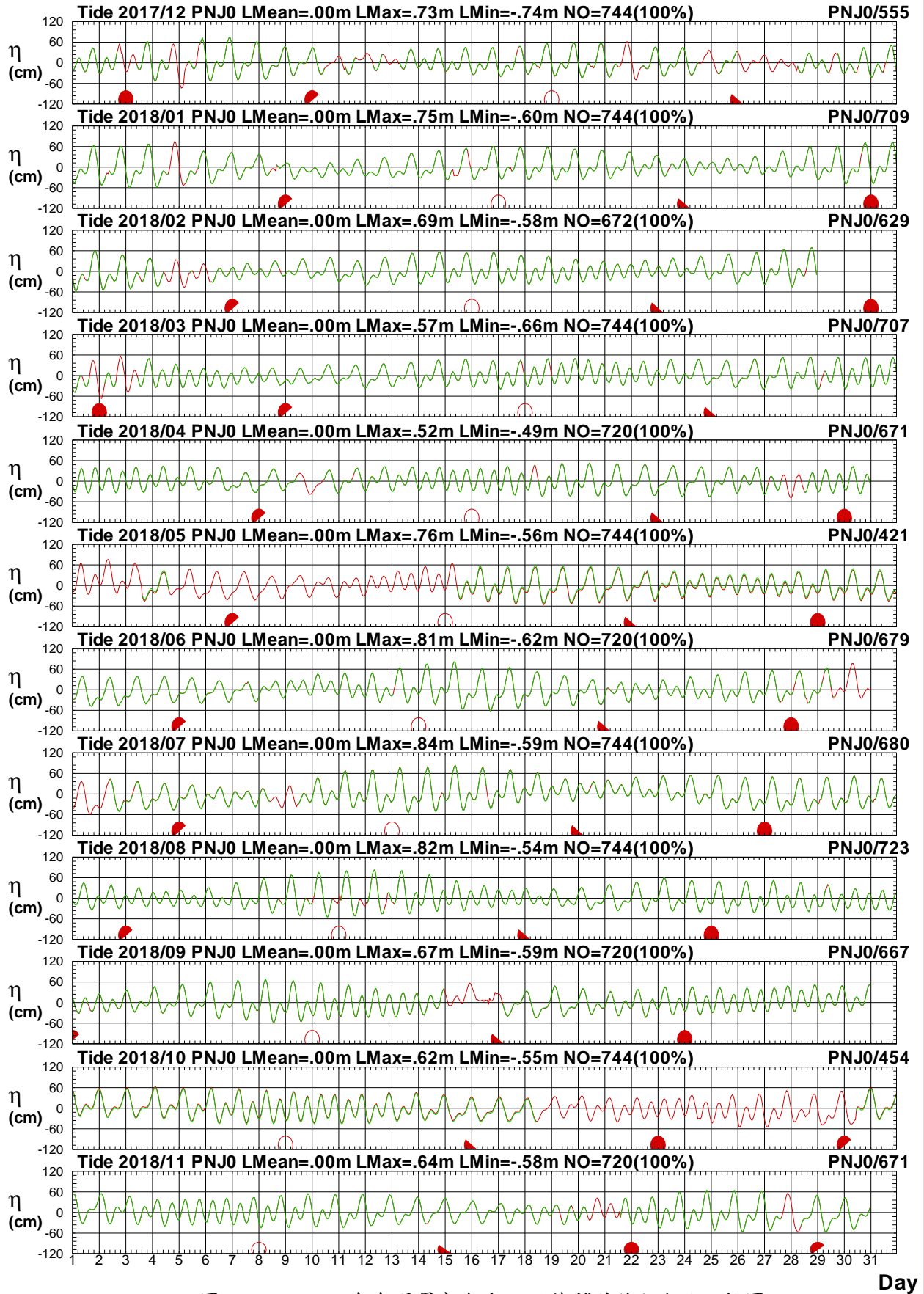


圖3.1.31 2018年每月屏東海域J站修補前後之潮位比較圖

T17CPNJ0.1HA T17CPNJ0.1H0 T181PNJ0.1HA T181PNJ0.1H0 T182PNJ0.1HA T182PNJ0.1H0
 T183PNJ0.1HA T183PNJ0.1H0 T184PNJ0.1HA T184PNJ0.1H0 T185PNJ0.1HA T185PNJ0.1H0

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNJ0 at 2018

1 ○ 8 ● 15 ● 22 ●

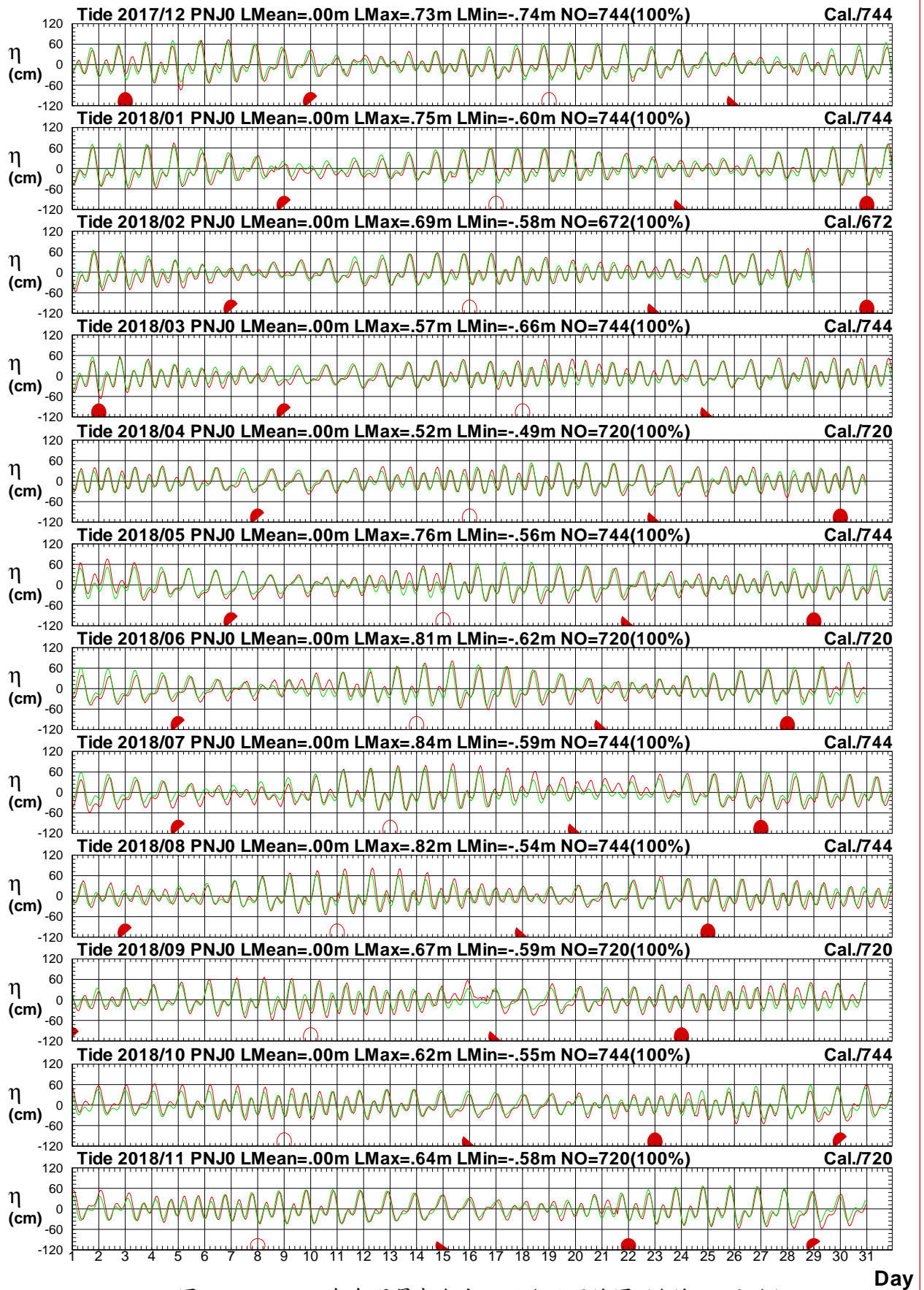


圖3.1.32 2018年每月屏東海域J站潮位歷線圖 (綠線: 天文潮)

T17CPNJ0.1HA T17CPNT0.1HC T181PNJ0.1HA T181PNT0.1HC T182PNJ0.1HA T182PNT0.1HC
 T183PNJ0.1HA T183PNT0.1HC T184PNJ0.1HA T184PNT0.1HC T185PNJ0.1HA T185PNT0.1HC

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNQ0 at 2018

1 ○ 8 ● 15 ● 22 ●

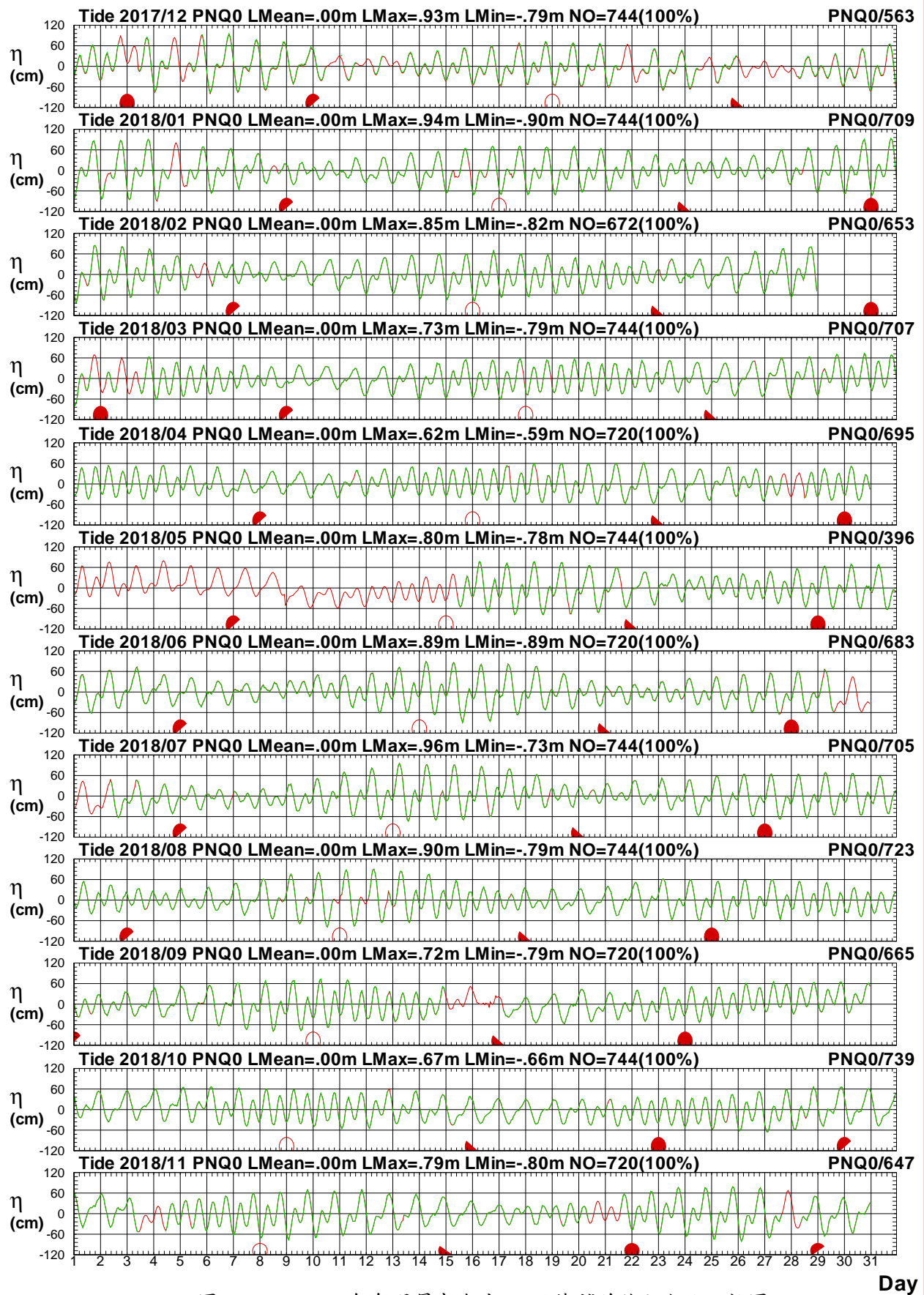


圖3.1.33 2018年每月屏東海域 Q 站修補前後之潮位比較圖

T17CPNQ0.1HA T17CPNQ0.1H0 T181PNQ0.1HA T181PNQ0.1H0 T182PNQ0.1HA T182PNQ0.1H0
T183PNQ0.1HA T183PNQ0.1H0 T184PNQ0.1HA T184PNQ0.1H0 T185PNQ0.1HA T185PNQ0.1H0

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNQ0 at 2018 1 ○ 8 ● 15 ● 22 ●

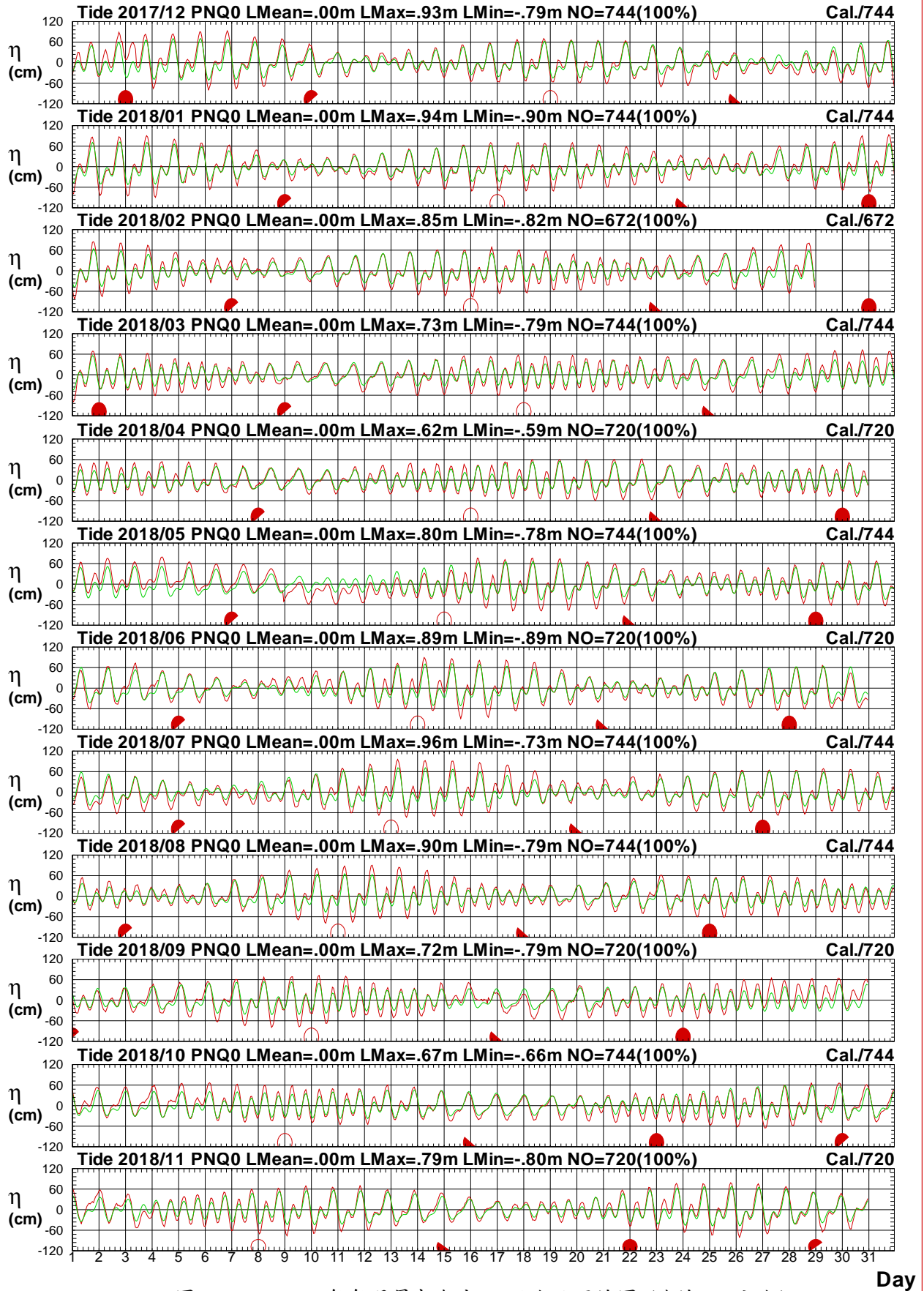


圖3.1.34 2018年每月屏東海域 Q 站潮位歷線圖 (綠線: 天文潮)

T17CPNQ0.1HA T17CPNT0.1HC T181PNQ0.1HA T181PNT0.1HC T182PNQ0.1HA T182PNT0.1HC
 T183PNQ0.1HA T183PNT0.1HC T184PNQ0.1HA T184PNT0.1HC T185PNQ0.1HA T185PNT0.1HC

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNF0 at 2018

1 ○ 8 ● 15 ● 22 ●

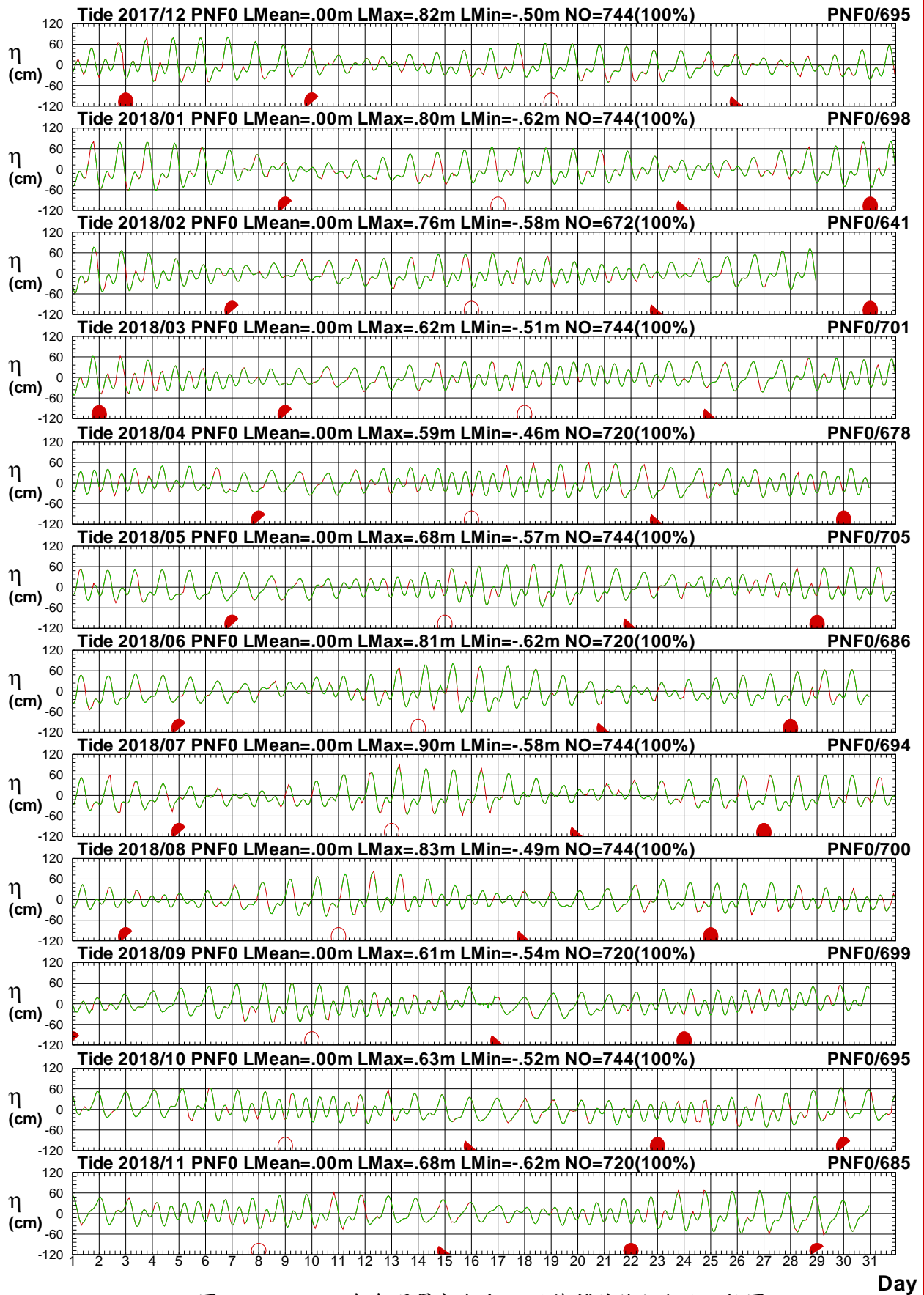


圖3.1.35 2018年每月屏東海域 F 站修補前後之潮位比較圖

T17CPNF0.1HA T17CPNF0.1H0 T181PNF0.1HA T181PNF0.1H0 T182PNF0.1HA T182PNF0.1H0
T183PNF0.1HA T183PNF0.1H0 T184PNF0.1HA T184PNF0.1H0 T185PNF0.1HA T185PNF0.1H0

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNF0 at 2018

1 ○ 8 ● 15 ● 22 ●

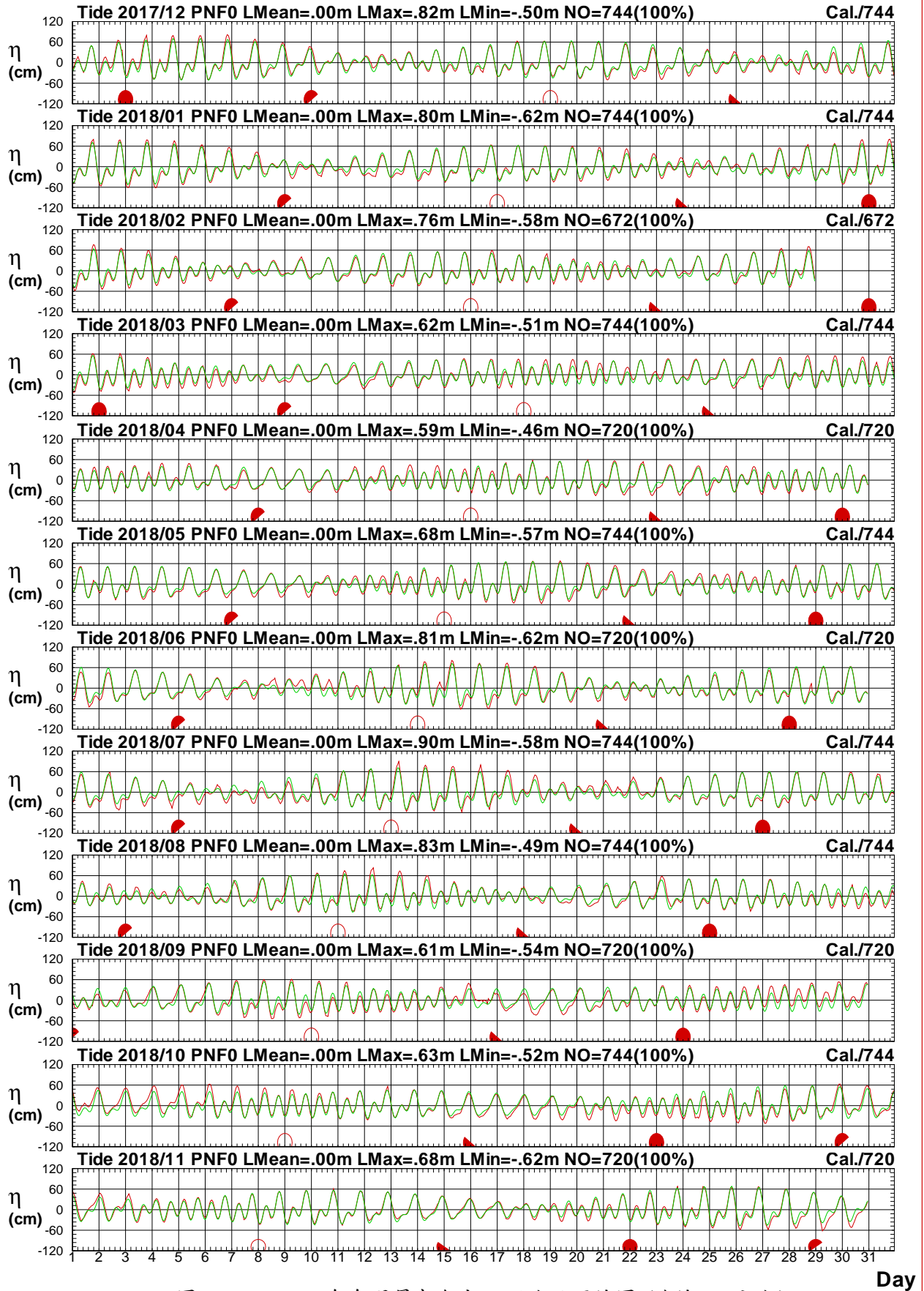


圖3.1.36 2018年每月屏東海域 F 站潮位歷線圖 (綠線: 天文潮)

T17CPNF0.1HA T17CPNT0.1HC T181PNF0.1HA T181PNT0.1HC T182PNF0.1HA T182PNT0.1HC
 T183PNF0.1HA T183PNT0.1HC T184PNF0.1HA T184PNT0.1HC T185PNF0.1HA T185PNT0.1HC

Institute of Harbor & Marine Technology

3.2 2018 年屏東海域各測站修補前 潮汐統計量統計表

表3.2.1 2018年屏東海域 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	53	88	78	86	15.1	26.0	21.0	25.5	28	0	74	-53	555(75%)
2	2018/01	J	44	113	76	99	15.5	25.0	22.3	25.0	45	0	72	-60	709(95%)
3	2018/02	J	48	93	78	91	13.5	26.0	17.7	25.3	44	0	69	-58	629(94%)
4	2018/03	J	49	92	78	88	14.1	25.0	19.3	25.0	49	0	54	-49	707(95%)
5	2018/04	J	56	96	79	94	14.8	26.0	20.6	25.5	42	0	52	-45	671(93%)
6	2018/05	J	55	107	84	103	14.9	25.0	21.4	25.0	26	0	57	-52	421(57%)
7	2018/06	J	53	127	94	123	16.1	26.0	24.2	25.3	38	0	82	-62	679(94%)
8	2018/07	J	55	131	90	122	14.1	25.0	17.9	25.0	45	0	83	-54	680(91%)
9	2018/08	J	57	132	95	117	14.4	25.0	19.5	25.0	51	0	82	-55	723(97%)
10	2018/09	J	60	95	82	92	12.8	25.0	15.7	20.5	48	0	68	-58	667(93%)
11	2018/10	J	57	104	88	102	14.9	26.0	20.8	25.5	27	0	59	-47	454(61%)
12	2018/11	J	57	94	76	88	14.4	25.0	19.6	25.0	38	0	64	-58	671(93%)
13	2018/冬	J	47	113	77	93	14.6	26.0	20.4	25.2	117	0	74	-60	1893(88%)
14	2018/春	J	53	107	79	93	14.5	26.0	20.0	25.2	117	0	57	-52	1799(82%)
15	2018/夏	J	55	132	93	121	14.8	26.0	20.5	25.1	134	0	83	-62	2082(94%)
16	2018/秋	J	58	104	81	93	13.9	26.0	18.3	25.1	113	0	68	-58	1792(82%)
17	2018/年	J	53	132	83	102	14.5	26.0	19.8	25.1	481	0	83	-62	7566(86%)

3-2-1

表3.2.2 2018年屏東海域 Q 站修補前潮差週期及潮位重要統計量統計表

序 號	日期 (年/月)	測 站	平均 潮差 (公分)	最大 潮差 (公分)	1/3 潮差 (公分)	1/10 潮差 (公分)	平均 週期 (時)	最大 週期 (時)	1/3 週期 (時)	1/10 週期 (時)	潮差 個數 (個)	平均 潮位 (公分)	最高 潮位 (公分)	最低 潮位 (公分)	水位 點數 (個)
1	2017/12	Q	66	172	111	156	15.6	25.0	22.1	25.0	27	0	96	-77	563(76%)
2	2018/01	Q	69	176	108	156	15.5	26.0	22.8	25.3	47	0	94	-85	709(95%)
3	2018/02	Q	76	160	105	146	14.6	27.0	20.2	26.3	39	0	85	-82	653(97%)
4	2018/03	Q	72	115	95	108	15.0	26.0	21.5	25.3	46	0	73	-78	707(95%)
5	2018/04	Q	69	119	90	103	15.0	26.0	21.4	25.8	44	0	62	-59	695(97%)
6	2018/05	Q	78	132	108	126	15.4	25.0	22.4	25.0	25	0	77	-77	396(53%)
7	2018/06	Q	68	171	125	160	15.2	26.0	21.3	25.3	34	0	88	-90	683(95%)
8	2018/07	Q	65	164	110	148	15.6	25.0	22.6	25.0	42	0	95	-74	705(95%)
9	2018/08	Q	71	167	118	157	16.1	26.0	24.2	25.3	43	0	90	-79	723(97%)
10	2018/09	Q	72	113	96	107	14.2	26.0	19.1	25.8	45	0	73	-79	665(92%)
11	2018/10	Q	70	108	96	106	14.6	26.0	20.6	26.0	43	0	67	-66	739(99%)
12	2018/11	Q	80	139	116	136	15.3	26.0	22.0	26.0	36	0	78	-81	647(90%)
13	2018/冬	Q	71	176	108	145	15.2	27.0	21.8	25.5	113	0	96	-85	1925(89%)
14	2018/春	Q	72	132	97	111	15.1	26.0	21.5	25.4	115	0	77	-78	1798(81%)
15	2018/夏	Q	68	171	118	157	15.7	26.0	22.8	25.2	119	0	95	-90	2111(96%)
16	2018/秋	Q	74	139	102	119	14.7	26.0	20.5	25.8	124	0	78	-81	2051(94%)
17	2018/年	Q	71	176	106	135	15.2	27.0	21.6	25.5	471	0	96	-90	7885(90%)

3-2-2

表3.2.3 2018年屏東海域 F 站修補前潮差週期及潮位重要統計量統計表

序號	日期 (年/月)	測站	平均潮差 (公分)	最大潮差 (公分)	1/3潮差 (公分)	1/10潮差 (公分)	平均週期 (時)	最大週期 (時)	1/3週期 (時)	1/10週期 (時)	潮差個數 (個)	平均潮位 (公分)	最高潮位 (公分)	最低潮位 (公分)	水位點數 (個)
1	2017/12	F	53	128	102	128	15.9	25.0	23.5	25.0	26	0	81	-51	695(93%)
2	2018/01	F	55	131	97	120	16.0	27.0	24.3	26.3	34	0	80	-62	698(94%)
3	2018/02	F	55	130	93	124	14.9	25.0	21.4	25.0	29	0	76	-58	641(95%)
4	2018/03	F	52	84	73	83	17.3	25.0	24.8	25.0	29	0	61	-51	701(94%)
5	2018/04	F	53	100	78	95	17.0	25.0	24.4	25.0	29	0	57	-45	678(94%)
6	2018/05	F	59	114	88	105	19.2	26.0	25.1	25.5	28	0	68	-57	705(95%)
7	2018/06	F	53	104	88	102	17.7	26.0	24.8	25.3	36	0	81	-62	686(95%)
8	2018/07	F	38	123	77	112	16.7	26.0	25.0	25.5	29	0	82	-56	694(93%)
9	2018/08	F	50	121	91	115	15.8	26.0	23.5	25.7	34	0	79	-48	700(94%)
10	2018/09	F	50	97	77	94	16.9	26.0	25.0	25.7	36	0	61	-54	699(97%)
11	2018/10	F	58	91	80	89	17.3	26.0	25.4	26.0	29	0	63	-52	695(93%)
12	2018/11	F	50	79	71	78	15.6	26.0	22.7	25.5	27	0	67	-58	685(95%)
13	2018/冬	F	54	131	97	122	15.6	27.0	22.9	25.5	89	0	81	-62	2034(94%)
14	2018/春	F	55	114	80	94	17.8	26.0	24.9	25.1	86	0	68	-57	2084(94%)
15	2018/夏	F	48	123	87	109	16.7	26.0	24.9	25.4	99	0	82	-62	2080(94%)
16	2018/秋	F	52	97	77	88	16.6	26.0	25.0	25.8	92	0	67	-58	2079(95%)
17	2018/年	F	52	131	85	106	16.7	27.0	24.8	25.4	366	0	82	-62	8277(95%)

3-2-3

表3.2.4 2018年屏東海域 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	58	138	99	134	14.4	25.0	19.3	25.0	31	0	80	-57	551(74%)
2	2018/01	P	50	129	87	113	16.0	25.0	23.4	25.0	42	0	75	-60	711(96%)
3	2018/02	P	49	119	85	107	15.5	26.0	22.5	26.0	39	0	65	-55	654(97%)
4	2018/03	P	48	72	62	69	15.8	26.0	23.4	25.8	44	0	53	-46	708(95%)
5	2018/04	P	61	97	82	95	15.3	26.0	21.9	25.5	44	0	56	-50	697(97%)
6	2018/05	P	57	103	79	94	15.2	26.0	22.1	25.5	23	0	53	-50	396(53%)
7	2018/06	P	55	100	79	93	14.6	26.0	20.1	25.3	42	0	87	-61	681(95%)
8	2018/07	P	56	142	103	137	13.4	25.0	16.1	22.4	53	0	87	-58	705(95%)
9	2018/08	P	59	135	90	123	14.6	25.0	19.9	25.0	42	0	76	-60	603(81%)
10	2018/09	P	62	103	86	97	13.7	26.0	17.3	25.0	39	0	66	-60	561(78%)
11	2018/10	P	52	87	67	79	15.4	26.0	22.9	26.0	29	0	67	-50	491(66%)
12	2018/11	P	59	91	74	86	13.8	26.0	17.5	25.3	39	0	63	-59	670(93%)
13	2018/冬	P	52	138	90	118	15.4	26.0	22.2	25.3	112	0	80	-60	1916(89%)
14	2018/春	P	55	103	75	88	15.4	26.0	22.1	25.5	111	0	56	-50	1801(82%)
15	2018/夏	P	57	142	92	123	14.1	26.0	18.7	25.1	137	0	87	-61	1989(90%)
16	2018/秋	P	58	103	78	91	14.2	26.0	18.9	25.5	107	0	67	-60	1722(79%)
17	2018/年	P	56	142	84	107	14.8	26.0	20.4	25.3	467	0	87	-61	7428(85%)

3-2-4

表3.2.5 2018年屏東海域 K 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	K	41	89	71	89	17.5	25.0	24.9	25.0	25	0	66	-32	707(95%)
2	2018/01	K	12	63	62	0	21.9	26.0	25.5	.0	8	0	90	-40	567(76%)
3	2018/02	K	38	69	59	69	20.6	25.0	25.0	25.0	12	0	65	-27	524(78%)
4	2018/03	K	27	67	46	67	20.2	26.0	25.5	26.0	13	0	49	-29	607(82%)
5	2018/04	K	48	70	64	68	16.4	27.0	24.7	26.0	34	0	48	-32	679(94%)
6	2018/05	K	46	80	71	79	18.5	27.0	25.1	27.0	27	0	56	-32	679(91%)
7	2018/06	K	43	117	84	107	15.9	25.0	23.5	25.0	41	0	104	-55	699(97%)
8	2018/07	K	48	109	85	107	15.0	26.0	21.4	25.5	49	0	80	-51	739(99%)
9	2018/08	K	51	125	86	122	14.6	29.0	19.8	26.3	49	0	75	-59	744(100%)
10	2018/09	K	49	102	80	95	15.5	26.0	22.5	25.3	37	0	85	-46	696(97%)
11	2018/10	K	50	84	71	84	20.9	27.0	25.8	27.0	18	0	62	-34	632(85%)
12	2018/11	K	46	71	65	71	25.0	26.0	25.7	26.0	10	0	56	-31	546(76%)
13	2018/冬	K	35	89	65	82	19.1	26.0	25.1	25.3	45	0	90	-40	1798(83%)
14	2018/春	K	44	80	66	73	17.9	27.0	25.3	26.3	74	0	56	-32	1965(89%)
15	2018/夏	K	48	125	85	112	15.1	29.0	21.4	25.5	139	0	104	-59	2182(99%)
16	2018/秋	K	49	102	76	89	18.5	27.0	25.4	26.2	65	0	85	-46	1874(86%)
17	2018/年	K	45	125	76	99	17.0	29.0	25.0	25.8	323	0	104	-59	7819(89%)

3-2-5

3.3 2018 年屏東海域**主要測站 1**(修補後)與 **其他測站**(修補前)潮位歷線比較圖

Tidal Level in Peng-Tung Seas of PNJ0 at 2018

1 ○ 8 ● 15 ● 22 ●

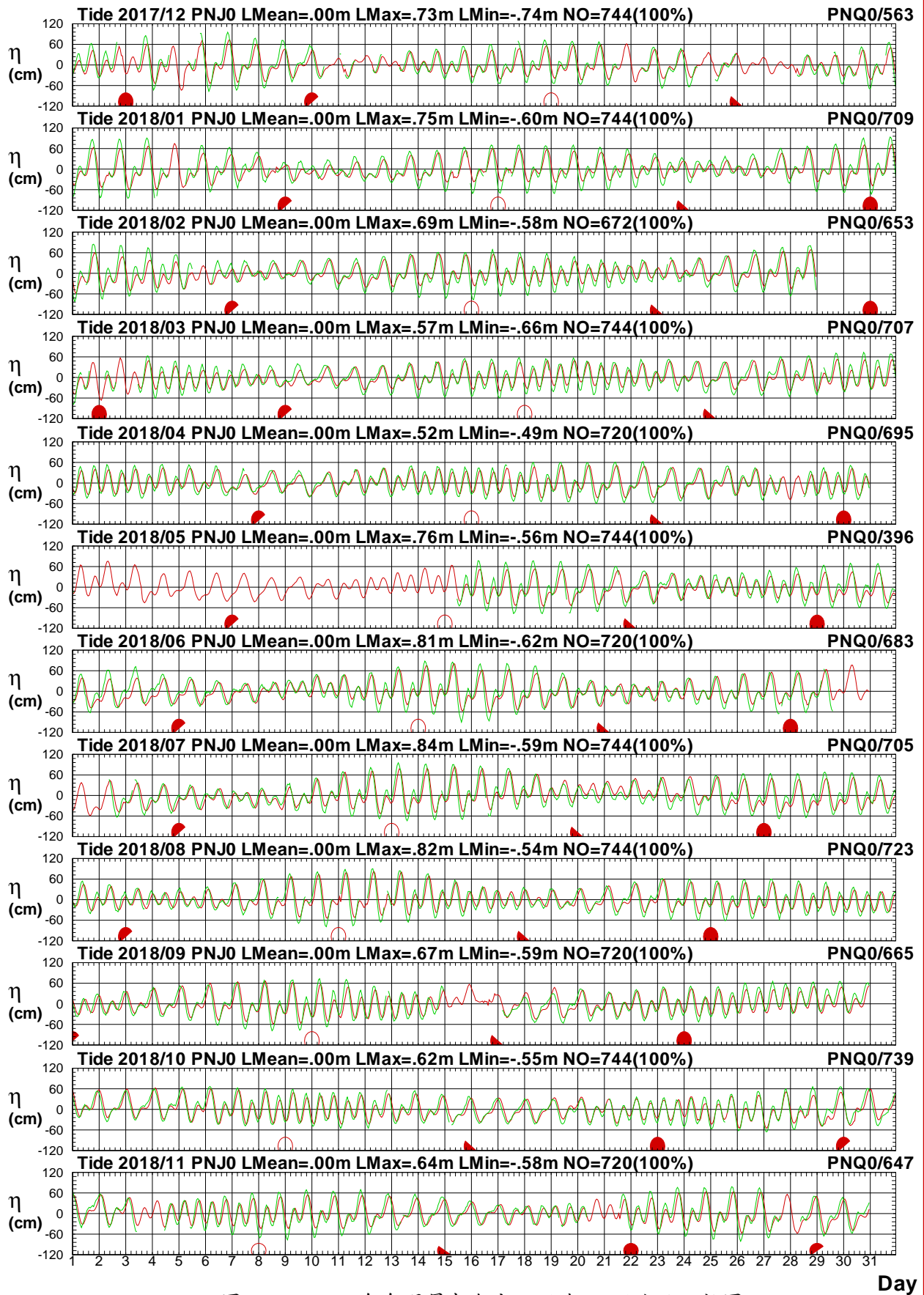


圖3.3.1 2018年每月屏東海域 J 站與 Q 站潮位比較圖

T17CPNJ0.1HA T17CPNQ0.1H0 T181PNJ0.1HA T181PNQ0.1H0 T182PNJ0.1HA T182PNQ0.1H0
T183PNJ0.1HA T183PNQ0.1H0 T184PNJ0.1HA T184PNQ0.1H0 T185PNJ0.1HA T185PNQ0.1H0

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNJ0 at 2018

1 ○ 8 ● 15 ● 22 ●

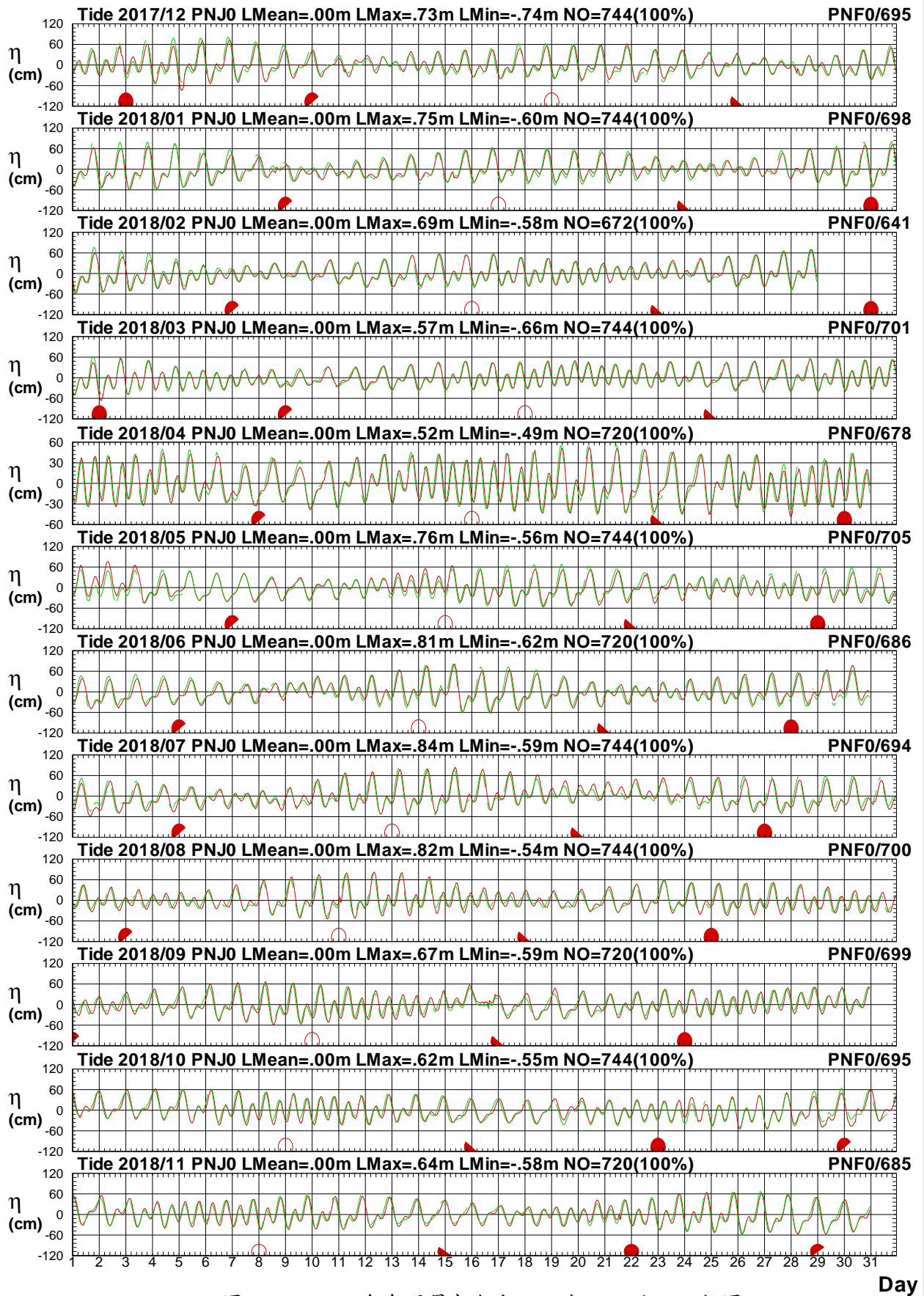


圖3.3.2 2018年每月屏東海域 J 站與 F 站潮位比較圖

T17CPNJ0.1HA T17CPNF0.1H0 T181PNJ0.1HA T181PNF0.1H0 T182PNJ0.1HA T182PNF0.1H0
T183PNJ0.1HA T183PNF0.1H0 T184PNJ0.1HA T184PNF0.1H0 T185PNJ0.1HA T185PNF0.1H0

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNJ0 at 2018

1 ○ 8 ● 15 ● 22 ●

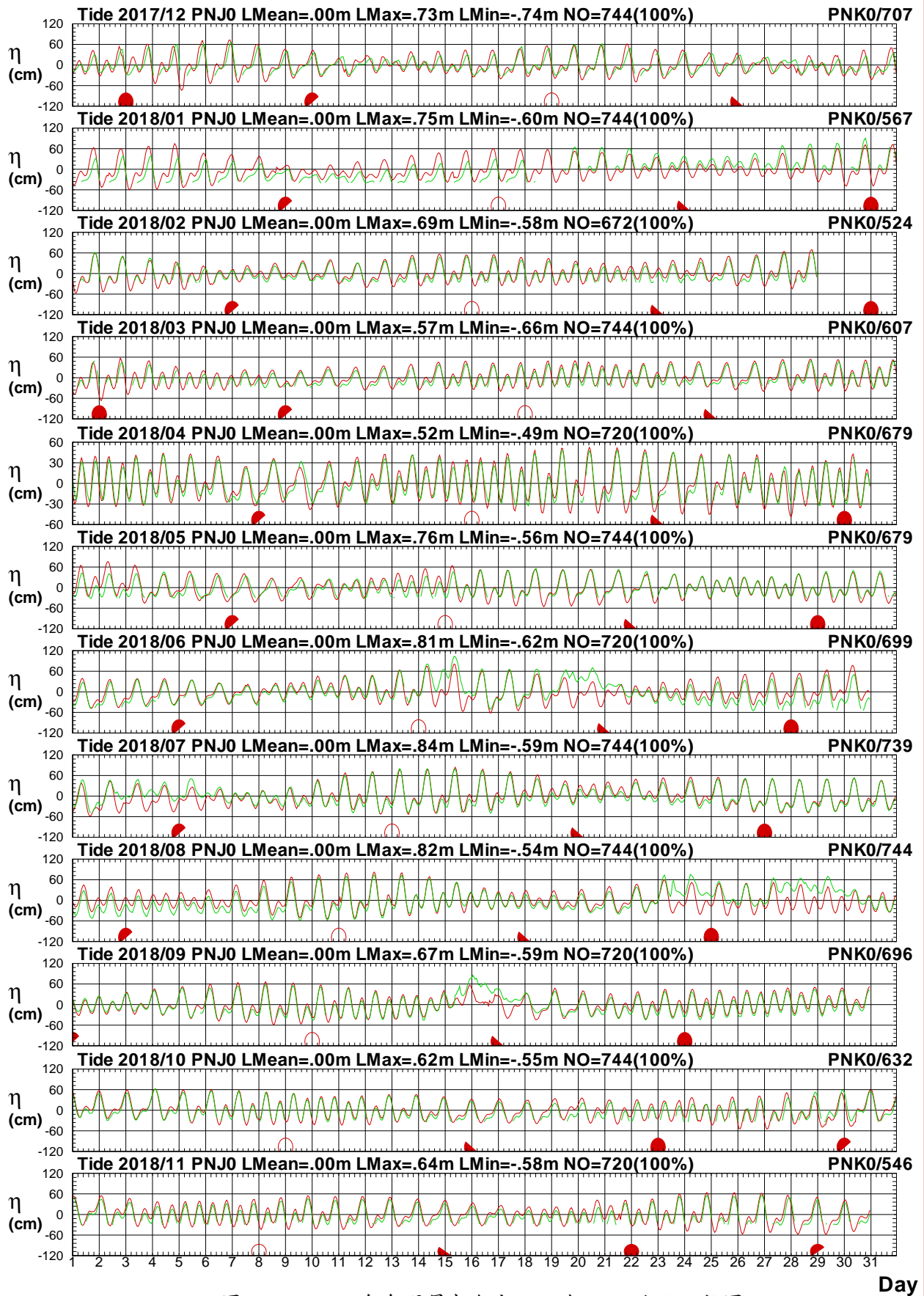


圖3.3.3 2018年每月屏東海域 J 站與 K 站潮位比較圖

T17CPNJ0.1HA T17CPNK0.1H0 T181PNJ0.1HA T181PNK0.1H0 T182PNJ0.1HA T182PNK0.1H0
T183PNJ0.1HA T183PNK0.1H0 T184PNJ0.1HA T184PNK0.1H0 T185PNJ0.1HA T185PNK0.1H0

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNJ0 at 2018

1 ○ 8 ● 15 ● 22 ●

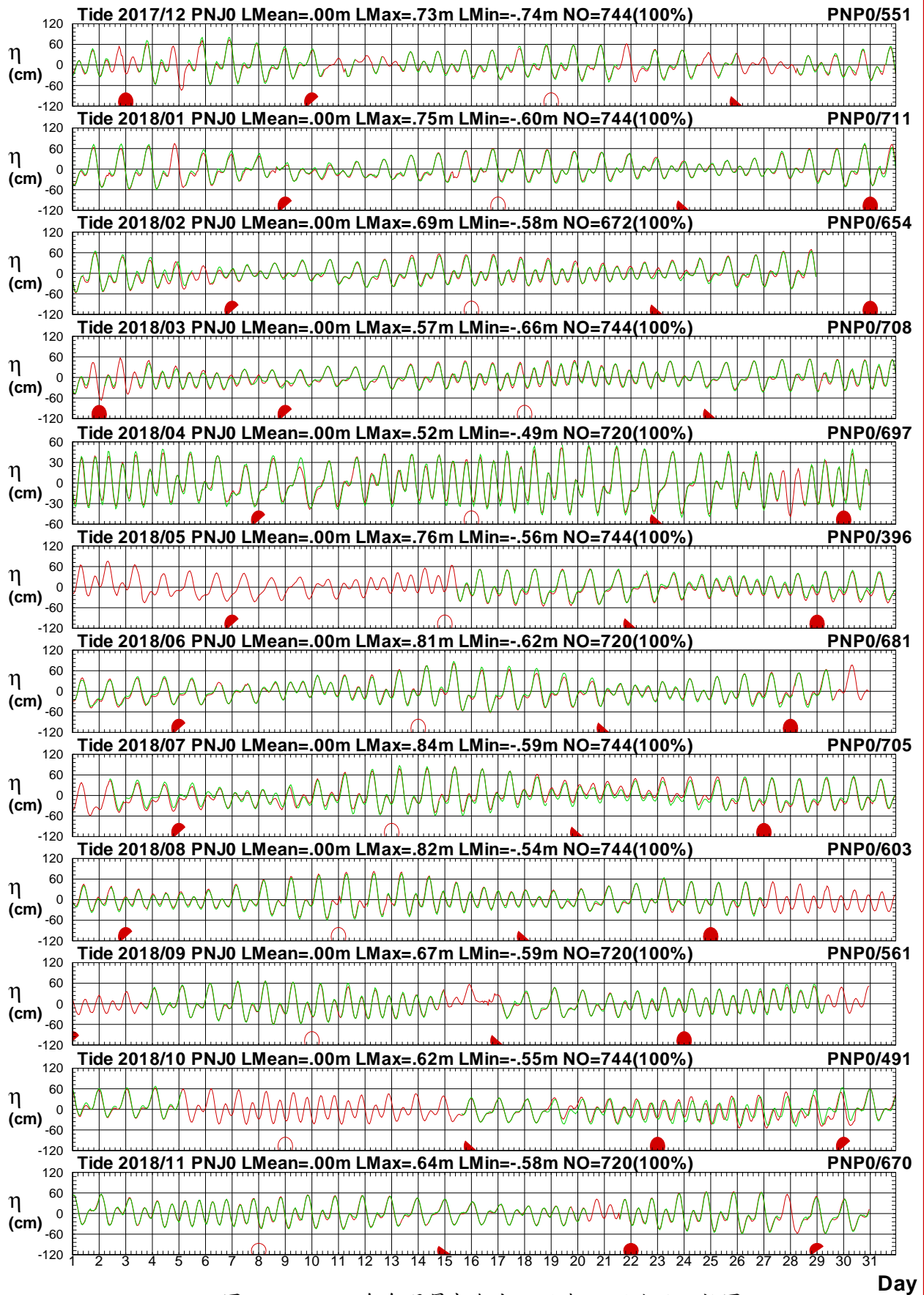


圖3.3.4 2018年每月屏東海域 J 站與 P 站潮位比較圖

T17CPNJ0.1HA T17CPNP0.1H0 T181PNJ0.1HA T181PNP0.1H0 T182PNJ0.1HA T182PNP0.1H0
 T183PNJ0.1HA T183PNP0.1H0 T184PNJ0.1HA T184PNP0.1H0 T185PNJ0.1HA T185PNP0.1H0

Institute of Harbor & Marine Technology

3.4 2018 年屏東海域**主要測站 2**(修補後)與 **其他測站**(修補前)潮位歷線比較圖

Tidal Level in Peng-Tung Seas of PNQ0 at 2018

1 ○ 8 ● 15 ● 22 ●

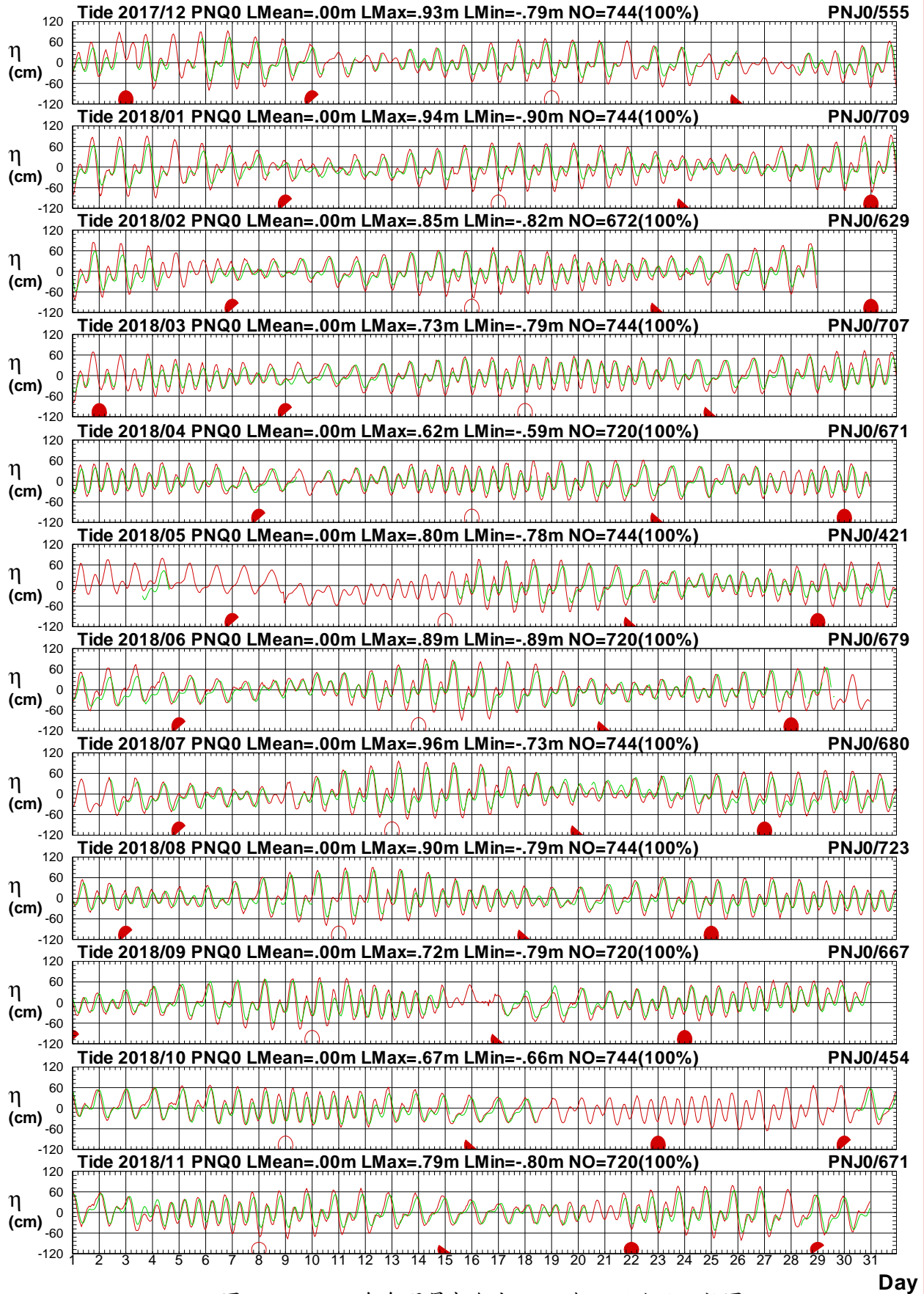


圖3.4.1 2018年每月屏東海域 Q 站與 J 站潮位比較圖

T17CPNQ0.1HA T17CPNJ0.1H0 T181PNQ0.1HA T181PNJ0.1H0 T182PNQ0.1HA T182PNJ0.1H0
T183PNQ0.1HA T183PNJ0.1H0 T184PNQ0.1HA T184PNJ0.1H0 T185PNQ0.1HA T185PNJ0.1H0

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNQ0 at 2018 1 ○ 8 ● 15 ● 22 ●

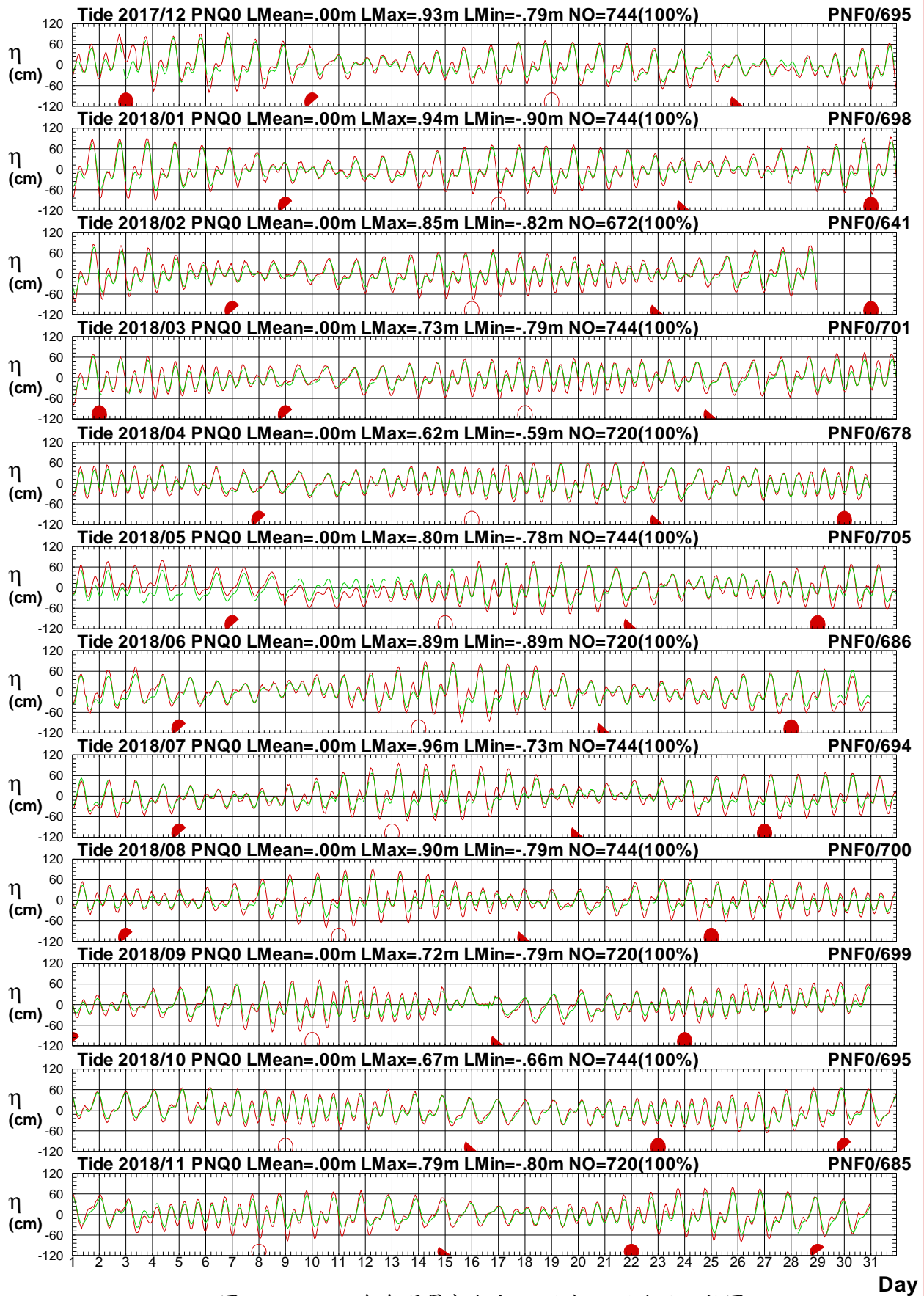


圖3.4.2 2018年每月屏東海域 Q 站與 F 站潮位比較圖

T17CPNQ0.1HA T17CPNF0.1H0 T181PNQ0.1HA T181PNF0.1H0 T182PNQ0.1HA T182PNF0.1H0
 T183PNQ0.1HA T183PNF0.1H0 T184PNQ0.1HA T184PNF0.1H0 T185PNQ0.1HA T185PNF0.1H0

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNQ0 at 2018

1 ○ 8 ● 15 ● 22 ●

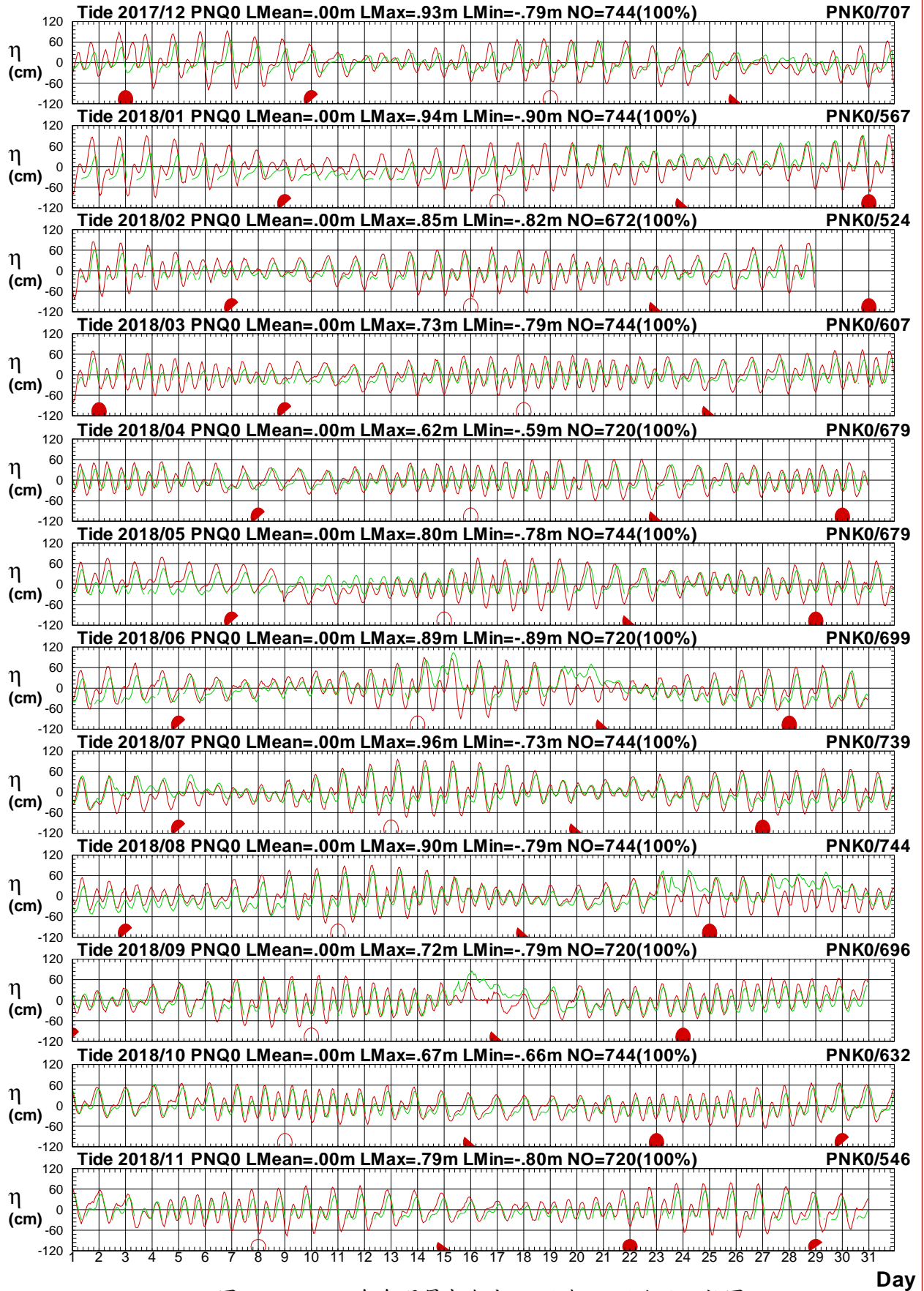


圖3.4.3 2018年每月屏東海域 Q 站與 K 站潮位比較圖

T17CPNQ0.1HA T17CPNK0.1H0 T181PNQ0.1HA T181PNK0.1H0 T182PNQ0.1HA T182PNK0.1H0
 T183PNQ0.1HA T183PNK0.1H0 T184PNQ0.1HA T184PNK0.1H0 T185PNQ0.1HA T185PNK0.1H0

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNQ0 at 2018 1 ○ 8 ● 15 ● 22 ●

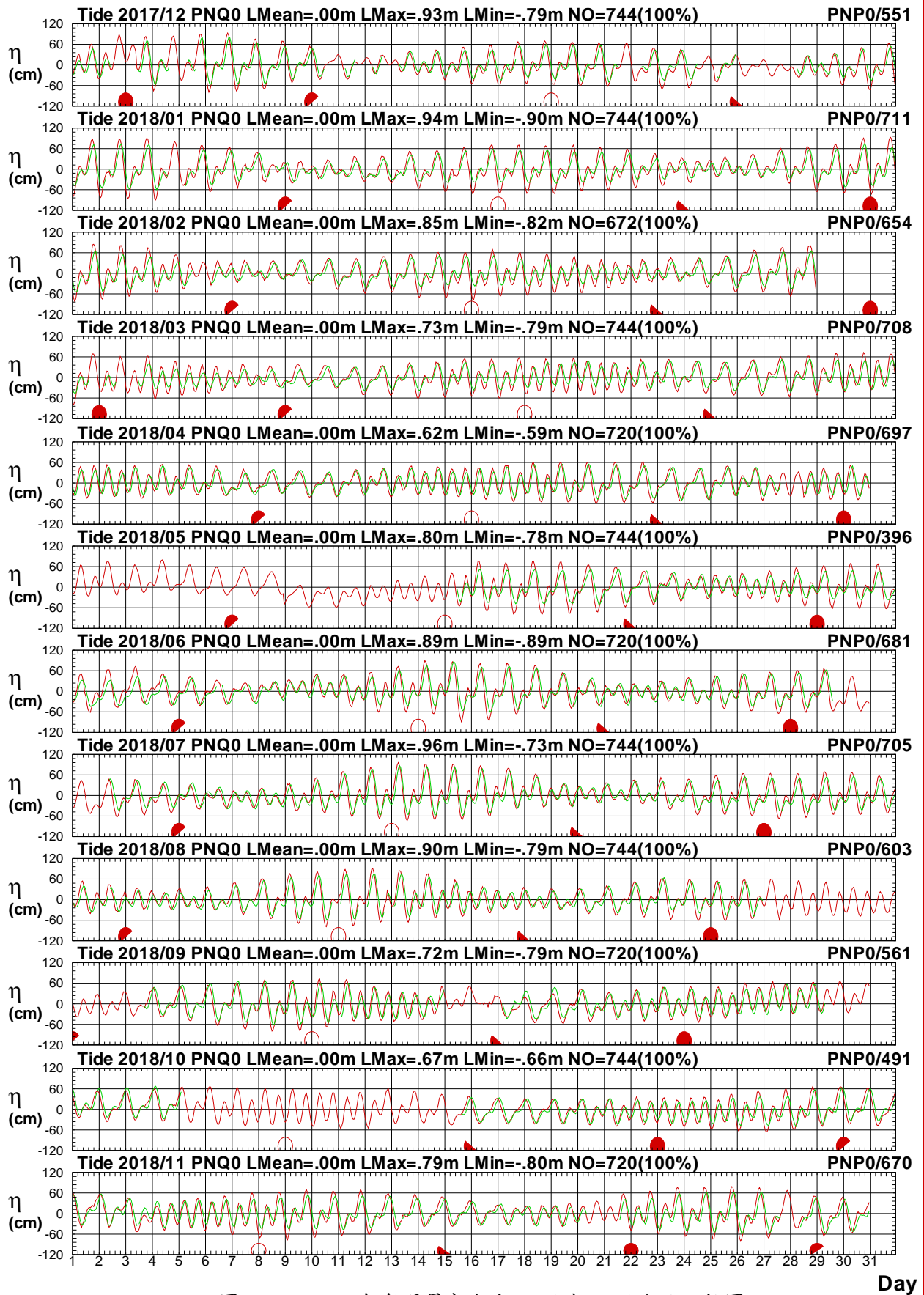


圖3.4.4 2018年每月屏東海域 Q 站與 P 站潮位比較圖

T17CPNQ0.1HA T17CPNP0.1H0 T181PNQ0.1HA T181PNP0.1H0 T182PNQ0.1HA T182PNP0.1H0
 T183PNQ0.1HA T183PNP0.1H0 T184PNQ0.1HA T184PNP0.1H0 T185PNQ0.1HA T185PNP0.1H0

Institute of Harbor & Marine Technology

3.5 2018 年屏東海域**主要測站 3**(修補後)與 **其他測站**(修補前)潮位歷線比較圖

Tidal Level in Peng-Tung Seas of PNF0 at 2018

1 ○ 8 ● 15 ● 22 ●

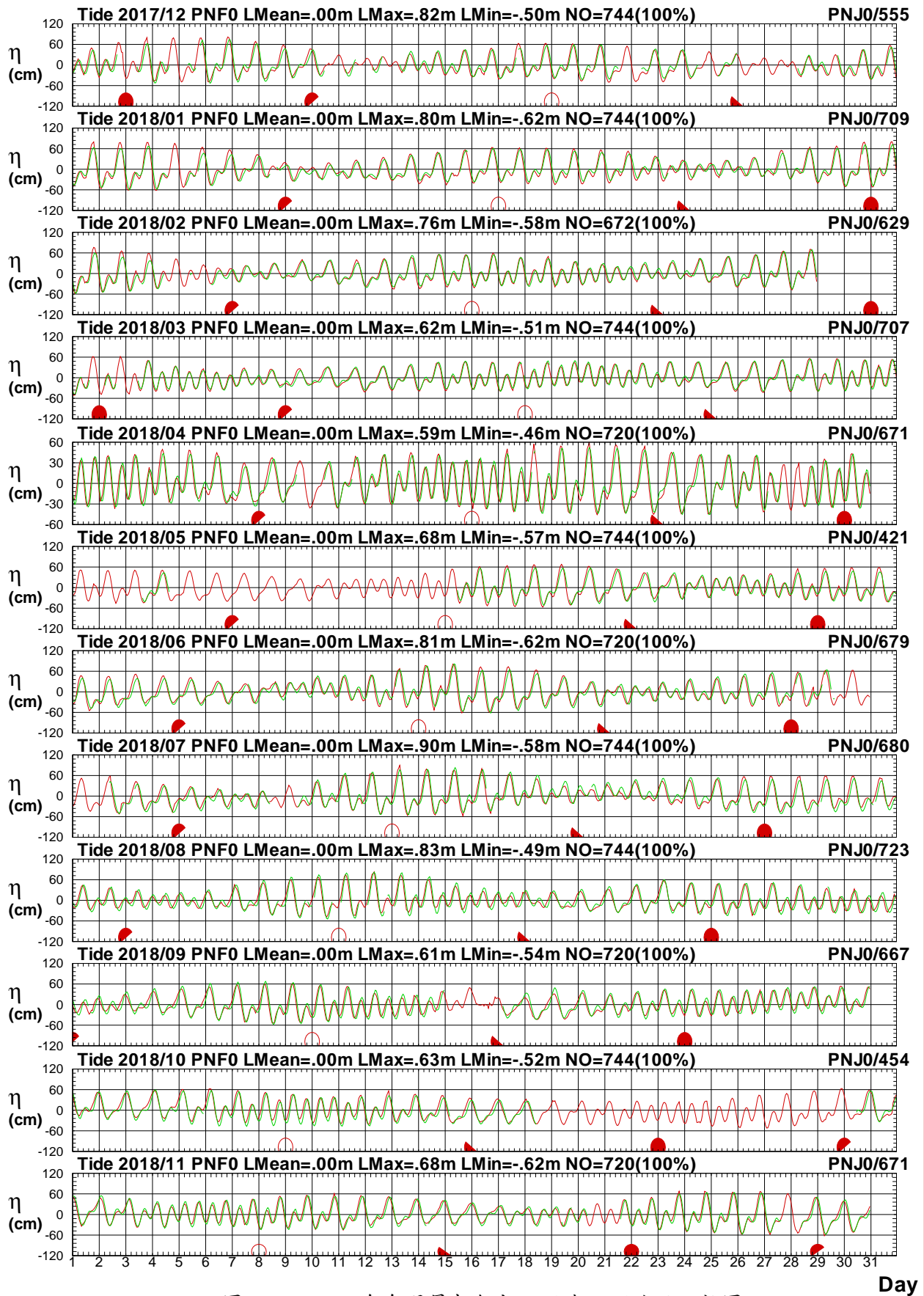


圖3.5.1 2018年每月屏東海域 F 站與 J 站潮位比較圖

T17CPNF0.1HA T17CPNJ0.1H0 T181PNF0.1HA T181PNJ0.1H0 T182PNF0.1HA T182PNJ0.1H0
 T183PNF0.1HA T183PNJ0.1H0 T184PNF0.1HA T184PNJ0.1H0 T185PNF0.1HA T185PNJ0.1H0

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNF0 at 2018

1 ○ 8 ● 15 ● 22 ●

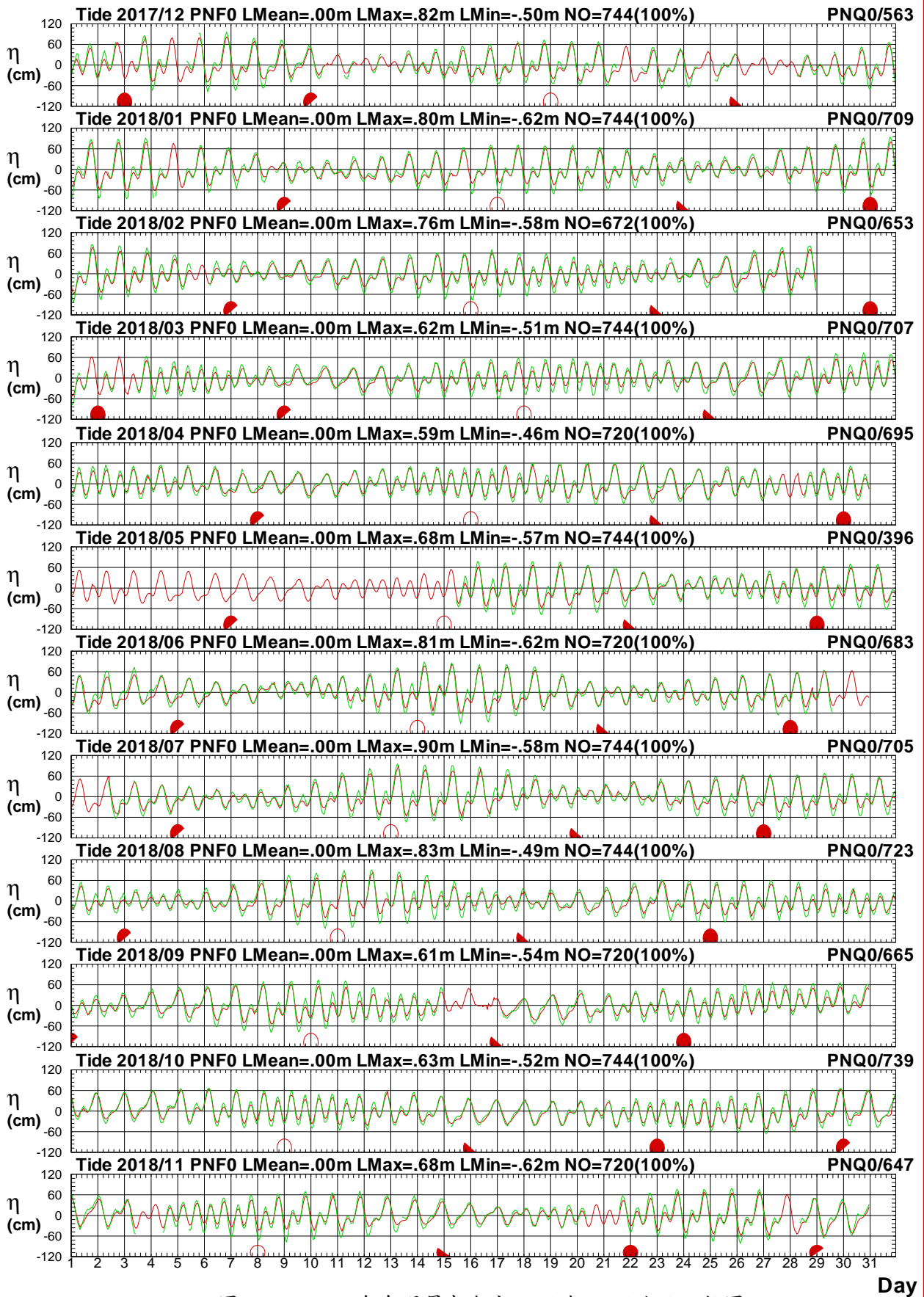


圖3.5.2 2018年每月屏東海域 F 站與 Q 站潮位比較圖

T17CPNF0.1HA T17CPNQ0.1H0 T181PNF0.1HA T181PNQ0.1H0 T182PNF0.1HA T182PNQ0.1H0
T183PNF0.1HA T183PNQ0.1H0 T184PNF0.1HA T184PNQ0.1H0 T185PNF0.1HA T185PNQ0.1H0

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNF0 at 2018

1 ○ 8 ● 15 ● 22 ●

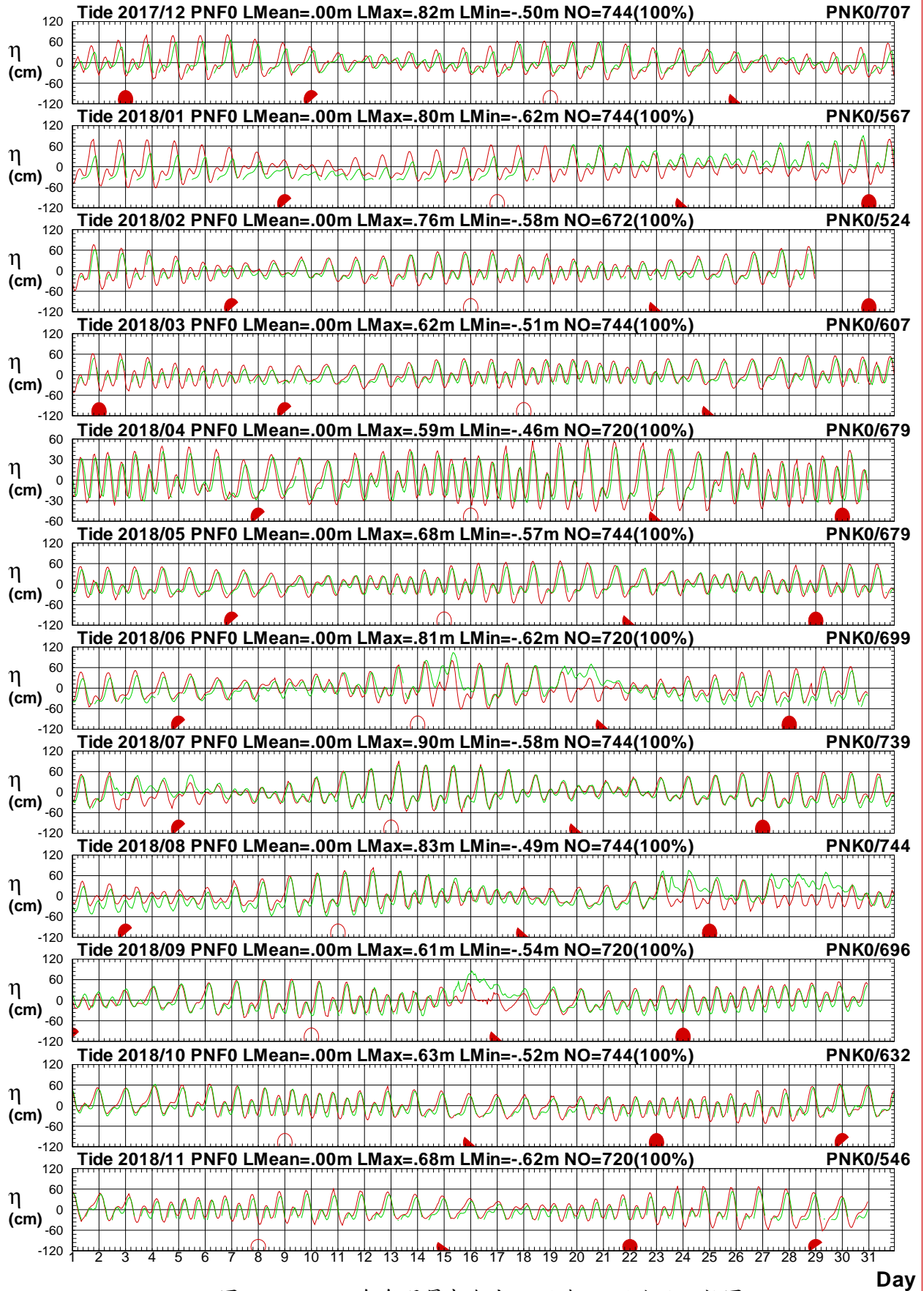


圖3.5.3 2018年每月屏東海域 F 站與 K 站潮位比較圖

T17CPNF0.1HA T17CPNK0.1H0 T181PNF0.1HA T181PNK0.1H0 T182PNF0.1HA T182PNK0.1H0
T183PNF0.1HA T183PNK0.1H0 T184PNF0.1HA T184PNK0.1H0 T185PNF0.1HA T185PNK0.1H0

Institute of Harbor & Marine Technology

Tidal Level in Peng-Tung Seas of PNF0 at 2018

1 ○ 8 ● 15 ● 22 ●

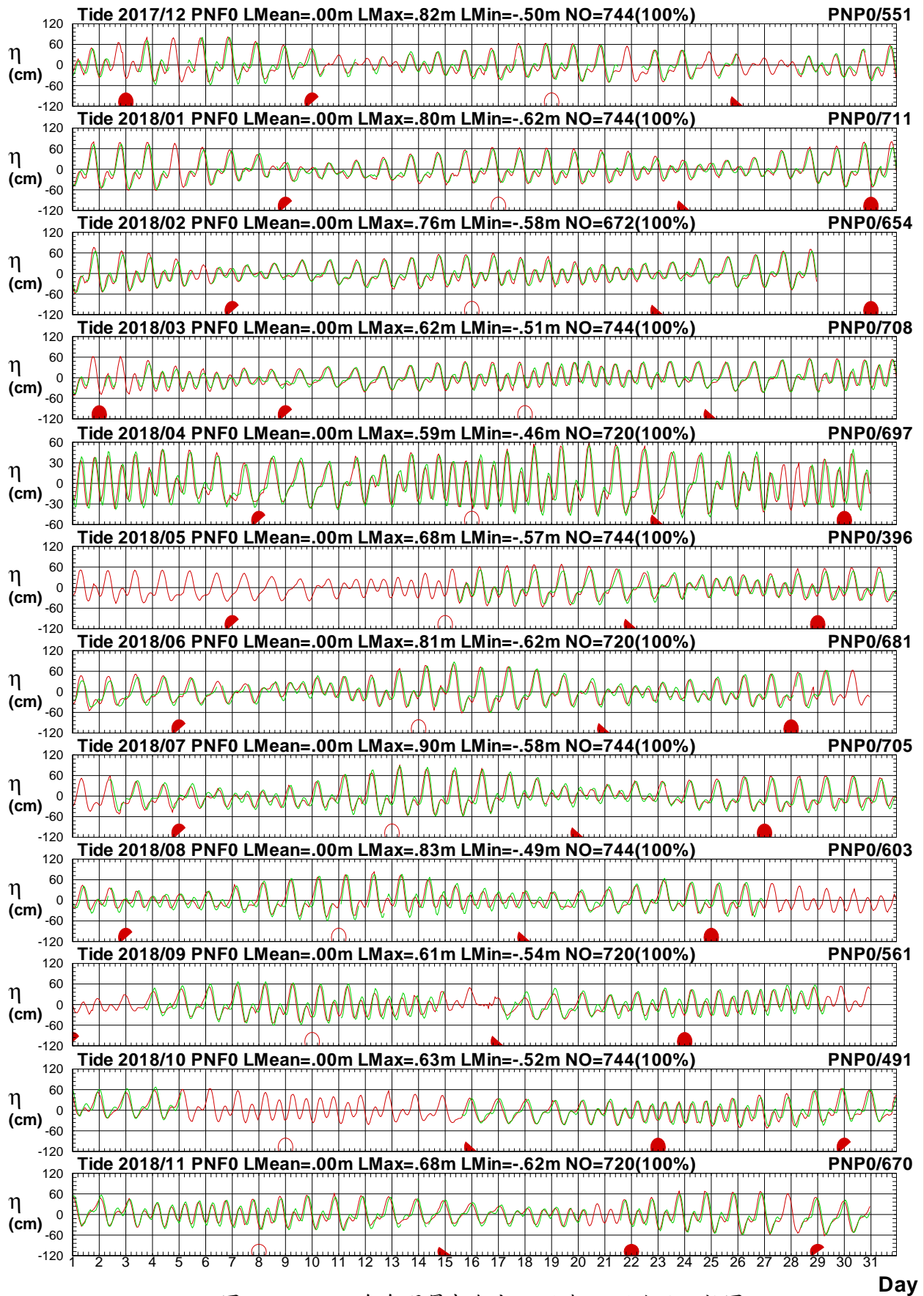


圖3.5.4 2018年每月屏東海域 F 站與 P 站潮位比較圖

T17CPNF0.1HA T17CPNP0.1H0 T181PNF0.1HA T181PNP0.1H0 T182PNF0.1HA T182PNP0.1H0
T183PNF0.1HA T183PNP0.1H0 T184PNF0.1HA T184PNP0.1H0 T185PNF0.1HA T185PNP0.1H0

Institute of Harbor & Marine Technology

第四章 2018 年屏東海域觀測海流資料年報

屏東海域海流之觀測僅測站 Y(測站位置如第 O 章圖 CJ1)。

本年報利用調和分析方法觀測海流可分解為：

(1)計算潮流(包括平均流)。

(2)計算殘(餘)流(或稱非潮流)。

4.1 2018 年屏東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年每月屏東海域各測站觀測海流資料紀錄表

海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域	屏東海域
年月/測站	Z	Y										
2017/12月	735(98.8%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 1月	740(99.5%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 2月	664(98.8%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 3月	684(91.9%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 4月	693(96.3%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 5月	709(95.3%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 6月	706(98.1%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 7月	740(99.5%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 8月	739(99.3%)	*	*	*	*	*	*	*	*	*	*	*
2018/ 9月	717(99.6%)	*	*	*	*	*	*	*	*	*	*	*
2018/10月	742(99.7%)	*	*	*	*	*	*	*	*	*	*	*
2018/11月	720(100%)	*	*	*	*	*	*	*	*	*	*	*
2018/冬季	2139(99.0%)	*	*	*	*	*	*	*	*	*	*	*
2018/春季	2086(94.5%)	*	*	*	*	*	*	*	*	*	*	*
2018/夏季	2185(99.0%)	*	*	*	*	*	*	*	*	*	*	*
2018/秋季	2179(99.8%)	*	*	*	*	*	*	*	*	*	*	*
2018/整年	8589(98.0%)	*	*	*	*	*	*	*	*	*	*	*
起始年月	2017/12	*	*	*	*	*	*	*	*	*	*	*
結束年月	2018/11	*	*	*	*	*	*	*	*	*	*	*

4-1-3

表4.1.1b 2018年每月屏東海域計算潮流各測站資料紀錄表

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

4-14

4.2 2018 年屏東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年屏東海域 Z 站觀測流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12	735(99%)	42.5	9.0/NW	151.0/WNW	31.4	35.4	30.2	3.0	9.8	33.2	7.9	49.1	WNW/23.3%
2	2018/01	740(100%)	46.5	17.0/ESE	154.0/SE	28.2	34.5	31.8	5.5	13.9	50.8	5.8	29.5	ESE/19.6%
3	2018/02	664(99%)	39.9	10.4/ESE	127.0/ESE	34.2	37.8	25.3	2.7	13.3	48.0	4.2	34.5	ESE/26.1%
4	2018/03	684(92%)	32.0	14.3/NW	130.0/WNW	45.0	38.2	15.9	.9	18.3	18.4	7.6	55.7	WNW/19.2%
5	2018/04	693(96%)	26.5	12.5/E	91.0/E	56.3	35.5	8.2	.0	24.1	42.9	5.6	27.4	E /20.8%
6	2018/05	709(95%)	39.2	6.8/NNE	144.0/NW	34.4	38.4	25.4	1.8	21.6	31.0	11.8	35.5	WNW/15.2%
7	2018/06	706(98%)	38.5	11.4/NE	144.0/WNW	36.7	34.7	27.1	1.6	29.7	31.9	9.8	28.6	E /13.6%
8	2018/07	740(100%)	42.9	12.6/NW	151.0/NW	34.6	31.8	30.1	3.5	24.5	19.6	15.0	40.9	WNW/15.1%
9	2018/08	739(99%)	46.8	20.5/WNW	168.0/WNW	24.9	38.6	32.1	4.5	16.1	14.1	17.6	52.2	WNW/20.6%
10	2018/09	717(100%)	42.5	13.7/NW	170.0/NW	33.5	37.7	23.7	5.2	20.6	18.4	15.9	45.0	WNW/17.4%
11	2018/10	742(100%)	32.8	11.0/ENE	93.0/ESE	46.5	32.6	20.9	.0	21.2	38.5	6.1	34.2	E /19.8%
12	2018/11	720(100%)	53.8	2.2/SW	151.0/NW	21.9	27.8	43.2	7.1	10.3	41.1	9.3	39.3	WNW/18.8%
13	2018/冬	2139(99%)	43.1	6.0/ESE	154.0/SE	31.2	35.8	29.2	3.8	12.3	43.9	6.0	37.8	ESE/19.8%
14	2018/春	2086(95%)	32.6	6.8/NNE	144.0/NW	45.2	37.3	16.6	.9	21.3	30.8	8.4	39.5	E /15.5%
15	2018/夏	2185(99%)	42.8	11.3/NNW	168.0/WNW	32.0	35.0	29.8	3.2	23.3	21.7	14.2	40.8	WNW/15.1%
16	2018/秋	2179(100%)	42.9	3.8/N	170.0/NW	34.1	32.7	29.2	4.0	17.4	32.8	10.4	39.5	WNW/16.1%
17	2018/年	8589(98%)	40.4	4.5/N	170.0/NW	35.5	35.2	26.3	3.0	18.6	32.3	9.8	39.4	WNW/15.5%

4-2-1

表 4.2.1b 2018 年屏東海域 Z 站潮流流速及流向重要統計量統計表

序 號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12	744(100%)	24.1	4.5/N	73.5/WNW	64.0	26.6	9.4	.0	14.5	37.6	3.1	44.8	WNW/28.4%
2	2018/01	744(100%)	25.5	4.5/N	79.5/WNW	60.3	27.4	12.2	.0	13.6	38.2	6.0	42.2	ESE/27.6%
3	2018/02	672(100%)	24.9	4.5/N	78.7/WNW	58.6	33.2	8.2	.0	13.1	38.4	4.9	43.6	ESE/25.4%
4	2018/03	744(100%)	24.8	4.6/N	73.2/WNW	55.2	39.4	5.4	.0	14.1	38.2	2.6	45.2	WNW/27.2%
5	2018/04	720(100%)	23.6	4.5/N	55.1/ESE	55.3	43.5	1.3	.0	14.7	36.9	.7	47.6	WNW/32.1%
6	2018/05	744(100%)	23.5	4.5/N	66.2/WNW	60.2	34.4	5.4	.0	15.7	36.4	.5	47.3	WNW/33.2%
7	2018/06	720(100%)	23.9	4.5/N	74.6/WNW	64.0	26.3	9.7	.0	14.9	37.9	4.0	43.2	WNW/26.5%
8	2018/07	744(100%)	24.6	4.5/N	78.7/WNW	61.6	28.4	10.1	.0	13.3	38.6	6.9	41.3	ESE/26.1%
9	2018/08	744(100%)	24.5	4.5/N	76.5/WNW	59.4	32.1	8.5	.0	13.4	37.6	4.7	44.2	ESE/24.3%
10	2018/09	720(100%)	24.3	4.5/N	69.8/WNW	56.1	39.3	4.6	.0	14.2	37.4	2.5	46.0	WNW/27.4%
11	2018/10	744(100%)	23.7	4.5/N	58.7/WNW	55.8	41.1	3.1	.0	14.9	37.4	.8	46.9	WNW/31.2%
12	2018/11	720(100%)	23.4	4.5/N	67.3/WNW	61.7	32.4	6.0	.0	14.6	38.8	.7	46.0	WNW/32.2%
13	2018/冬	2160(100%)	24.8	4.5/N	79.5/WNW	61.1	28.9	10.0	.0	13.8	38.1	4.7	43.5	ESE/25.9%
14	2018/春	2208(100%)	24.0	4.5/N	73.2/WNW	56.9	39.0	4.0	.0	14.9	37.2	1.3	46.7	WNW/30.8%
15	2018/夏	2208(100%)	24.3	4.5/N	78.7/WNW	61.6	28.9	9.4	.0	13.9	38.0	5.2	42.9	ESE/24.5%
16	2018/秋	2184(100%)	23.8	4.5/N	69.8/WNW	57.8	37.6	4.5	.0	14.6	37.8	1.3	46.3	WNW/30.3%
17	2018/年	8760(100%)	24.2	4.5/N	79.5/WNW	59.4	33.7	7.0	.0	14.3	37.8	3.1	44.9	WNW/27.5%

4-2-2

表4.2.1c 2018年屏東海域Z站殘流流速及流向重要統計量統計表

序號	日期 (年/月)	觀測 點數	流速 平均值 (cm/s)	平均流 流速/流向 (cm/s)/(來向)	最大流 流速/流向 (cm/s)/(來向)	1/2節流 <25.7 (%)	1節流 ~51.4 (%)	2節流 ~103 (%)	大流 >103 (%)	流向 N~E (%)	流向 E~S (%)	流向 S~W (%)	流向 W~N (%)	主要流向 方向/百分比
1	2017/12	735(99%)	31.8	7.7/W	107.7/ESE	49.5	33.1	16.9	.5	10.9	27.8	21.8	39.6	WNW/15.5%
2	2018/01	739(100%)	39.0	19.5/SE	143.7/SE	40.5	34.5	19.2	6.0	11.8	50.6	12.9	24.9	SE /22.7%
3	2018/02	664(99%)	31.8	12.0/SE	138.1/SE	53.9	29.1	14.3	2.7	12.3	45.5	14.2	28.0	SE /18.5%
4	2018/03	684(92%)	23.9	13.5/NW	83.0/NNW	60.5	34.1	5.4	.0	13.9	9.8	19.7	56.6	NW /18.3%
5	2018/04	693(96%)	20.9	12.4/ESE	74.0/NW	68.0	30.4	1.6	.0	21.9	56.3	7.5	14.3	ESE/23.8%
6	2018/05	709(95%)	28.5	2.5/NE	140.5/ESE	50.4	40.3	8.9	.4	20.2	33.0	18.3	28.5	ESE/13.0%
7	2018/06	706(98%)	27.9	7.9/ENE	98.9/E	50.1	40.2	9.6	.0	30.2	29.3	18.0	22.5	E /13.0%
8	2018/07	740(100%)	31.5	9.8/NW	102.3/NW	43.2	42.8	13.9	.0	21.6	15.7	26.2	36.5	W /14.9%
9	2018/08	739(99%)	38.1	19.1/WNW	122.4/WNW	32.3	41.5	25.6	.5	14.9	12.3	28.8	44.0	W /22.7%
10	2018/09	717(100%)	33.2	11.3/WNW	119.9/WNW	40.4	43.8	15.1	.7	20.9	15.1	26.1	37.9	W /16.5%
11	2018/10	742(100%)	23.6	10.3/E	78.4/ENE	62.3	34.2	3.5	.0	20.4	46.5	12.5	20.6	E /20.1%
12	2018/11	720(100%)	45.8	6.4/SSW	150.9/SE	29.2	34.3	32.1	4.4	9.3	37.5	19.4	33.8	SE /16.5%
13	2018/冬	2138(99%)	34.3	8.6/SE	143.7/SE	47.8	32.3	16.9	3.1	11.6	41.2	16.3	30.9	SE /17.2%
14	2018/春	2086(95%)	24.5	2.5/NNE	140.5/ESE	59.5	35.0	5.3	.1	18.7	33.1	15.2	33.0	ESE/13.2%
15	2018/夏	2185(99%)	32.6	8.5/NW	122.4/WNW	41.8	41.6	16.5	.2	22.1	18.9	24.4	34.5	W /14.7%
16	2018/秋	2179(100%)	34.1	.8/SSW	150.9/SE	44.1	37.4	16.8	1.7	16.9	33.2	19.3	30.7	WNW/12.6%
17	2018/年	8588(98%)	31.4	.3/WNW	150.9/SE	48.2	36.6	13.9	1.3	17.3	31.5	18.9	32.3	WNW/11.4%

4-2-3

4.3 2018 年屏東海域各測站觀測海流與 計算潮流(殘流)歷線比較圖

Current Speed in Peng-Tung Seas of PNZ0 at 2018

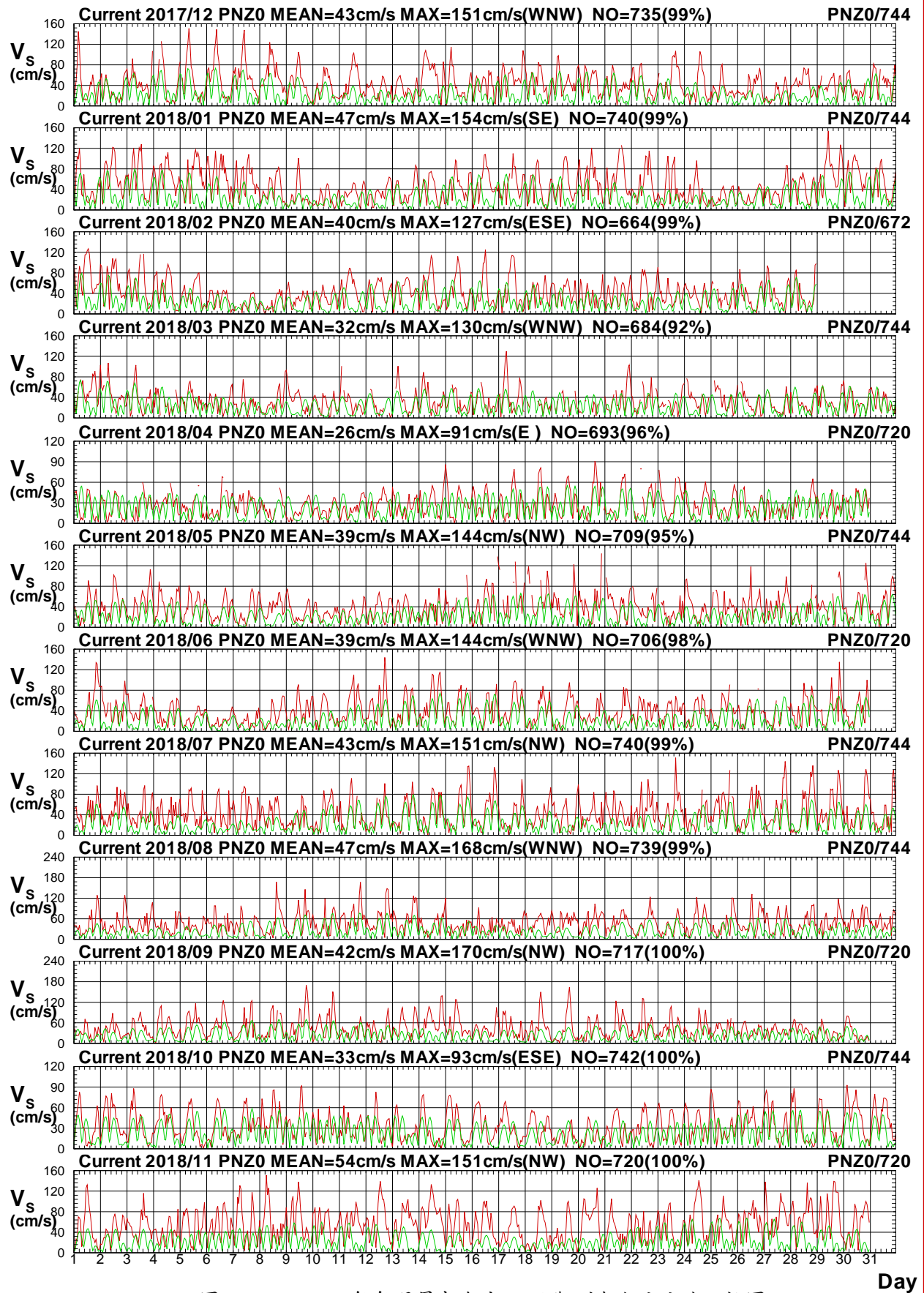


圖4.3.1a 2018年每月屏東海域 Z 站觀測與潮流流速比較圖

C17CPNZ0.1H0 C17CPNZ0.1HD C181PNZ0.1H0 C181PNZ0.1HD C182PNZ0.1H0 C182PNZ0.1HD
 C183PNZ0.1H0 C183PNZ0.1HD C184PNZ0.1H0 C184PNZ0.1HD C185PNZ0.1H0 C185PNZ0.1HD

Institute of Harbor & Marine Technology

Current Direction in Peng-Tung Seas of PNZ0 at 2018

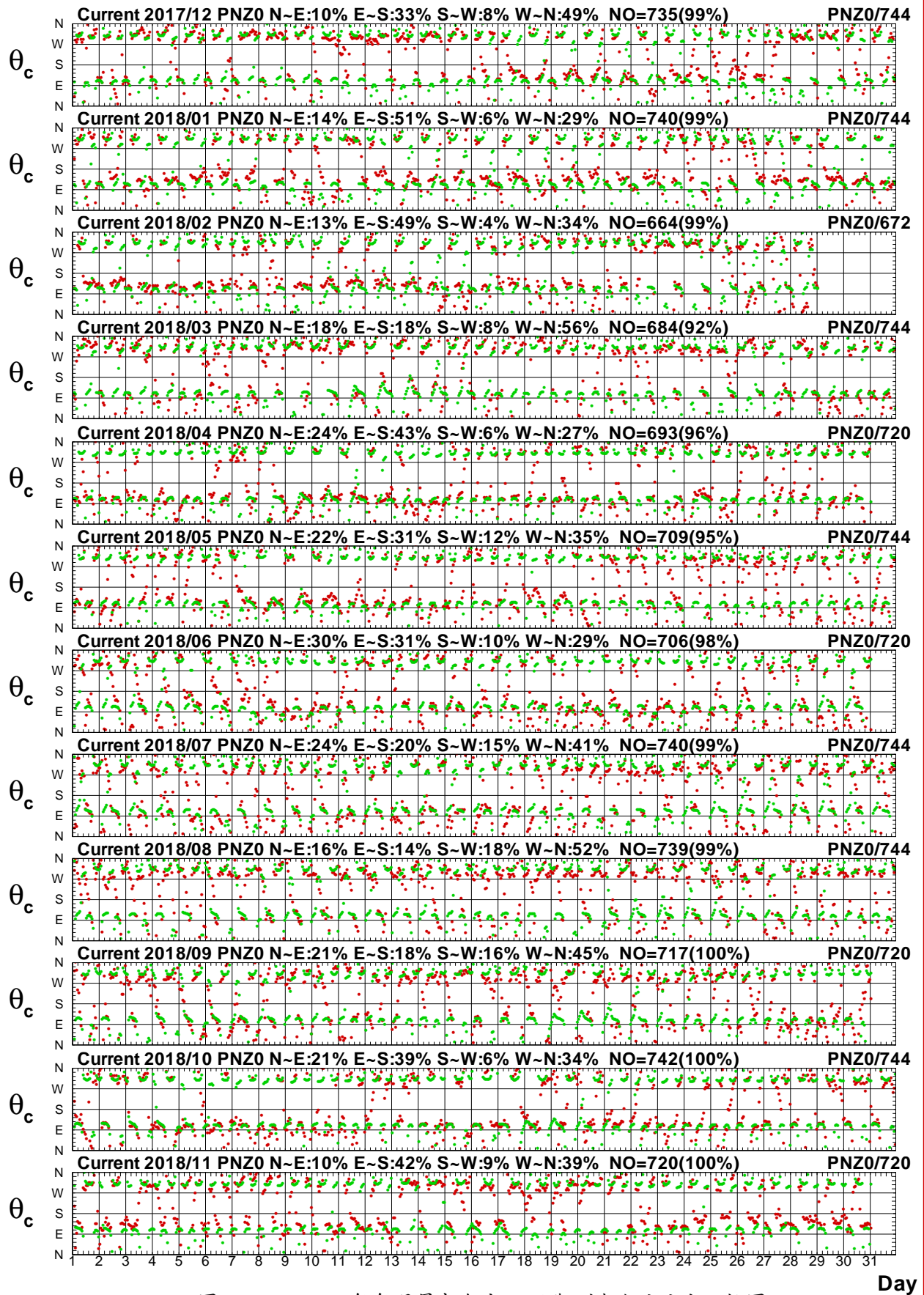


圖4.3.1b 2018年每月屏東海域 Z 站觀測與潮流流向比較圖

C17CPNZ0.1H0 C17CPNZ0.1HD C181PNZ0.1H0 C181PNZ0.1HD C182PNZ0.1H0 C182PNZ0.1HD
 C183PNZ0.1H0 C183PNZ0.1HD C184PNZ0.1H0 C184PNZ0.1HD C185PNZ0.1H0 C185PNZ0.1HD

Institute of Harbor & Marine Technology

Current Speed in Peng-Tung Seas of PNZ0 at 2018

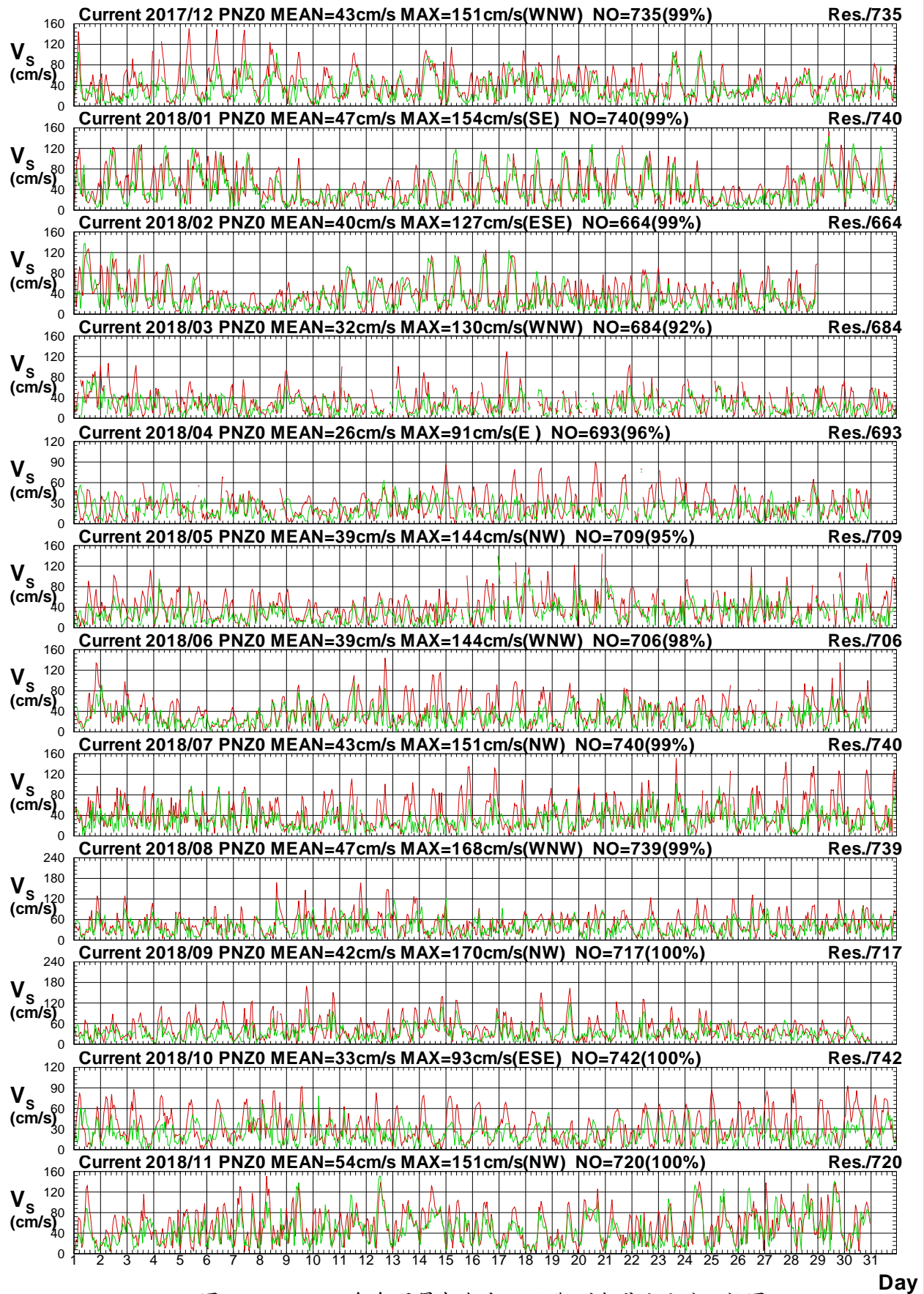


圖4.3.2a 2018年每月屏東海域 Z 站觀測與殘流流速比較圖

C17CPNZ0.1H0 C17CPNZ0.1HR C181PNZ0.1H0 C181PNZ0.1HR C182PNZ0.1H0 C182PNZ0.1HR
 C183PNZ0.1H0 C183PNZ0.1HR C184PNZ0.1H0 C184PNZ0.1HR C185PNZ0.1H0 C185PNZ0.1HR

Institute of Harbor & Marine Technology

Current Direction in Peng-Tung Seas of PNZ0 at 2018

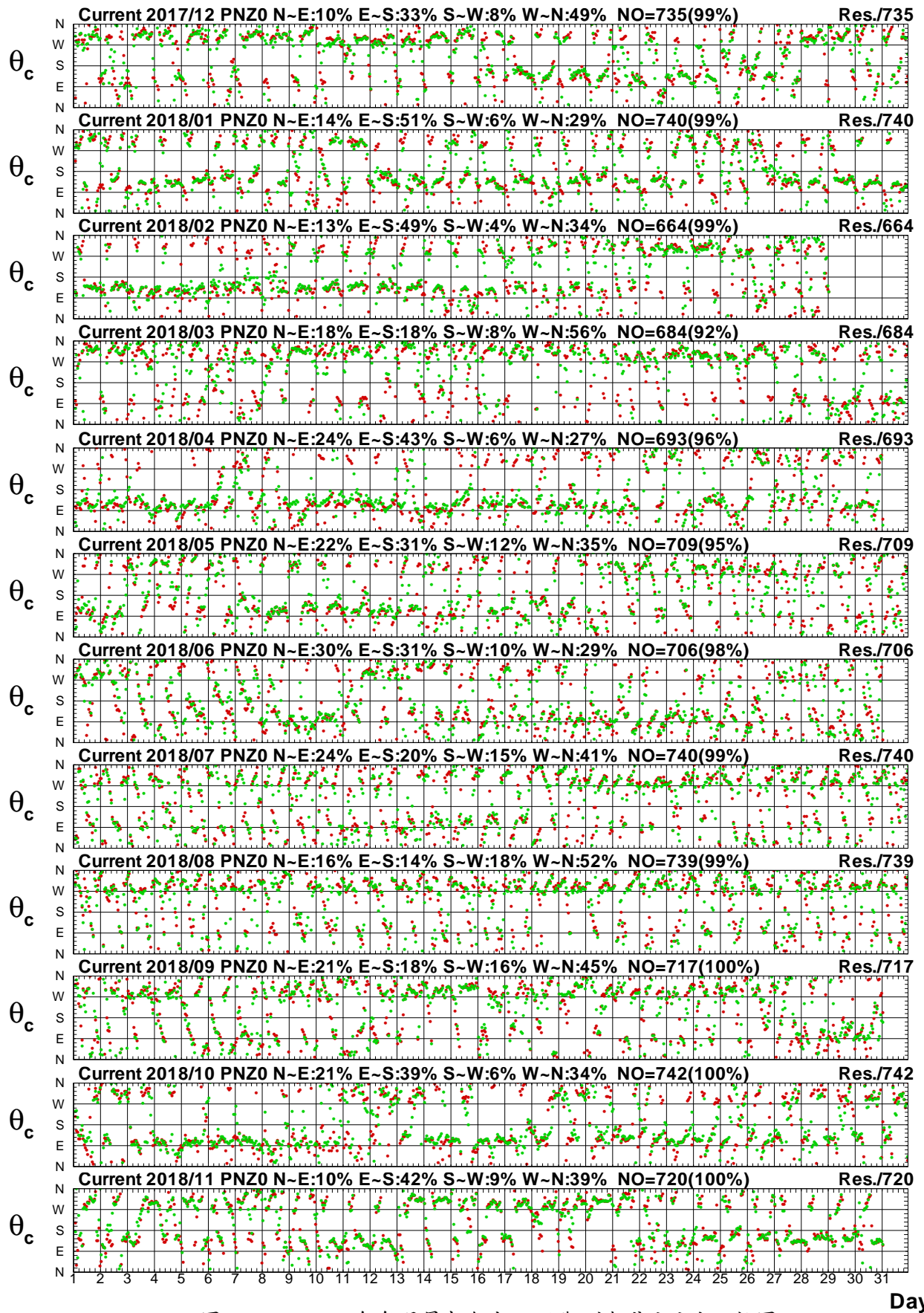


圖4.3.2b 2018年每月屏東海域 Z 站觀測與殘流流向比較圖

C17CPNZ0.1H0 C17CPNZ0.1HR C181PNZ0.1H0 C181PNZ0.1HR C182PNZ0.1H0 C182PNZ0.1HR
 C183PNZ0.1H0 C183PNZ0.1HR C184PNZ0.1H0 C184PNZ0.1HR C185PNZ0.1H0 C185PNZ0.1HR

Institute of Harbor & Marine Technology

4.4 2018 年屏東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

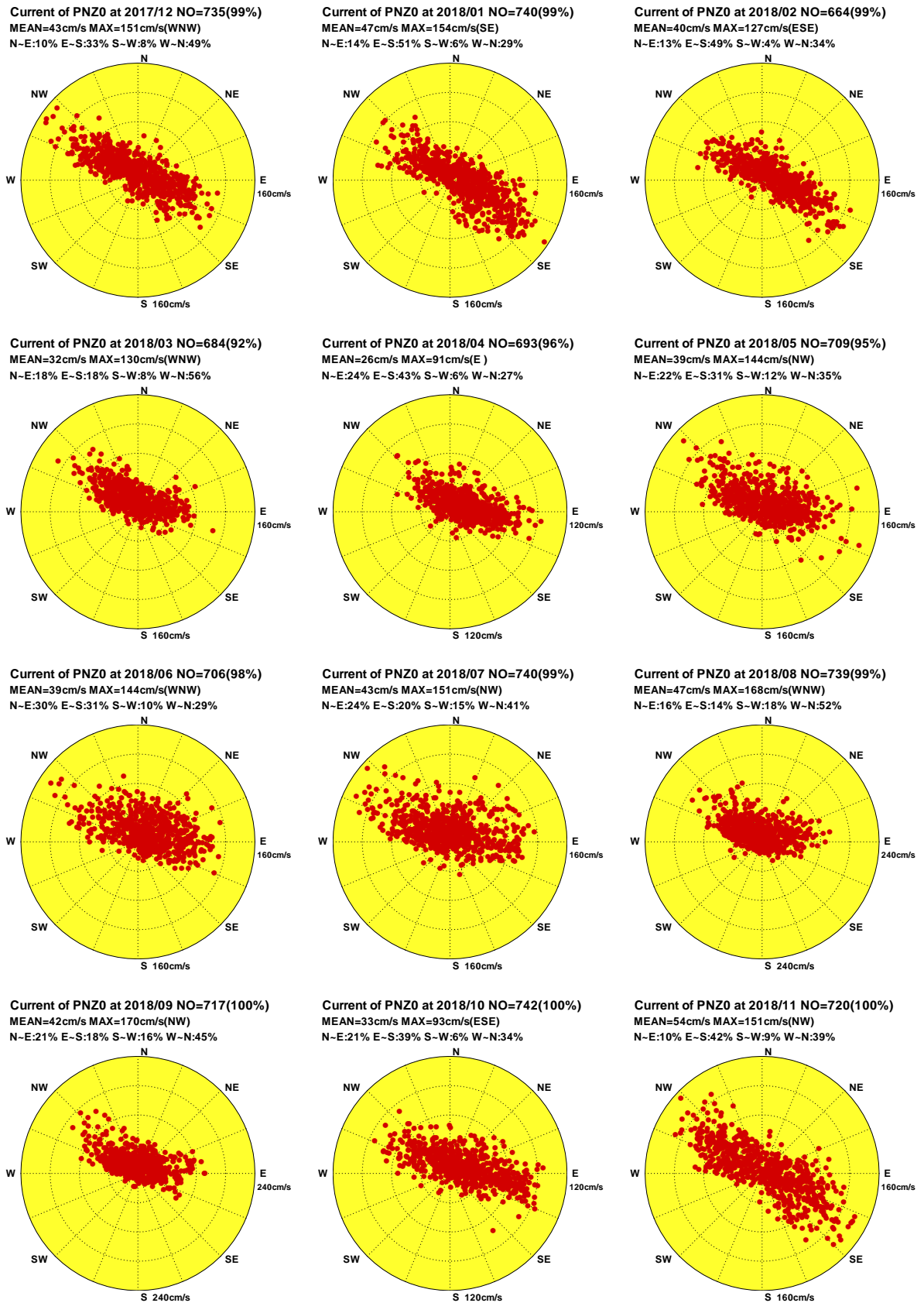


圖4.4.1a 2018年屏東海域每月測站 Z 觀測海流向量分佈圖

C17CPNZ0.1H0 C181PNZ0.1H0 C182PNZ0.1H0 C183PNZ0.1H0 C184PNZ0.1H0 C185PNZ0.1H0
 C186PNZ0.1H0 C187PNZ0.1H0 C188PNZ0.1H0 C189PNZ0.1H0 C18APNZ0.1H0 C18BPNZ0.1H0

Institute of Harbor & Marine Technology

Distribution of Current Vectors

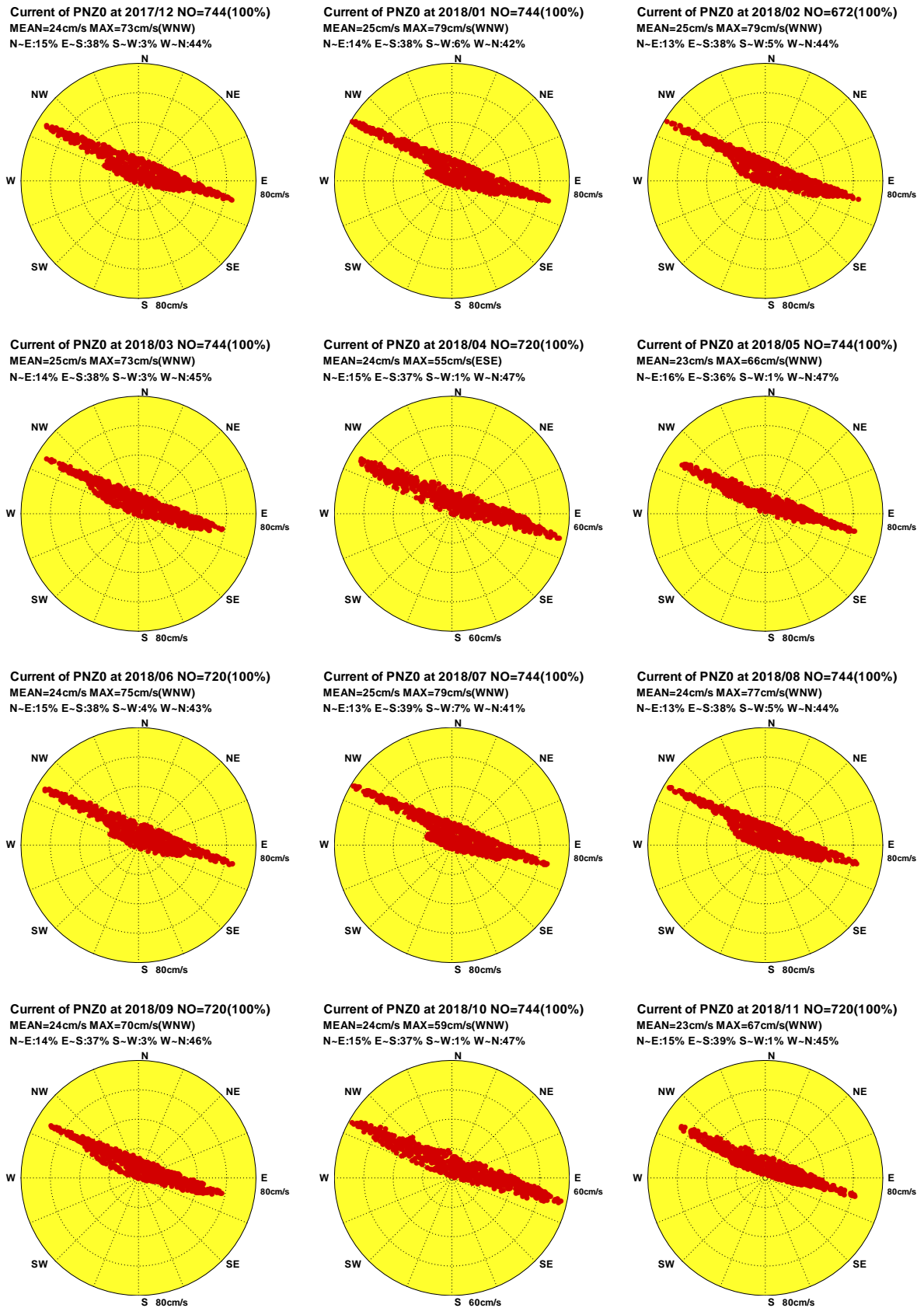


圖4.4.1b 2018年屏東海域每月測站 Z 計算潮流向量分佈圖

C17CPNZ0.1HD C181PNZ0.1HD C182PNZ0.1HD C183PNZ0.1HD C184PNZ0.1HD C185PNZ0.1HD
 C186PNZ0.1HD C187PNZ0.1HD C188PNZ0.1HD C189PNZ0.1HD C18APNZ0.1HD C18BPNZ0.1HD

Institute of Harbor & Marine Technology

Distribution of Current Vectors

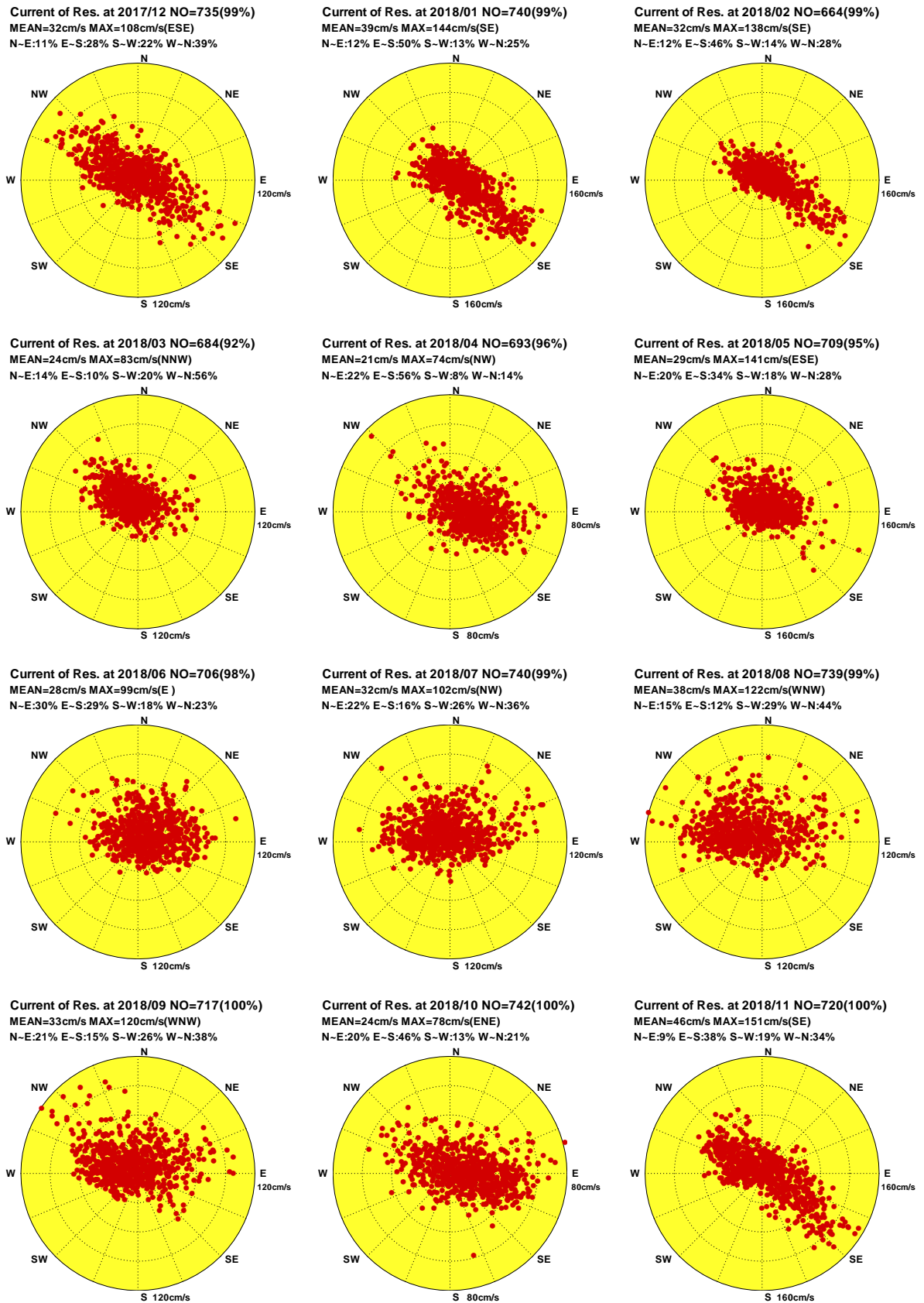


圖4.4.1c 2018年屏東海域每月測站 Z 計算殘流向量分佈圖

C17CPNZ0.1HR C181PNZ0.1HR C182PNZ0.1HR C183PNZ0.1HR C184PNZ0.1HR C185PNZ0.1HR
 C186PNZ0.1HR C187PNZ0.1HR C188PNZ0.1HR C189PNZ0.1HR C18APNZ0.1HR C18BPNZ0.1HR

Institute of Harbor & Marine Technology

4.5 2018 年屏東海域各測站觀測海流與 計算潮流(殘流)向量行進圖

Progressive Vector Diagram of Current

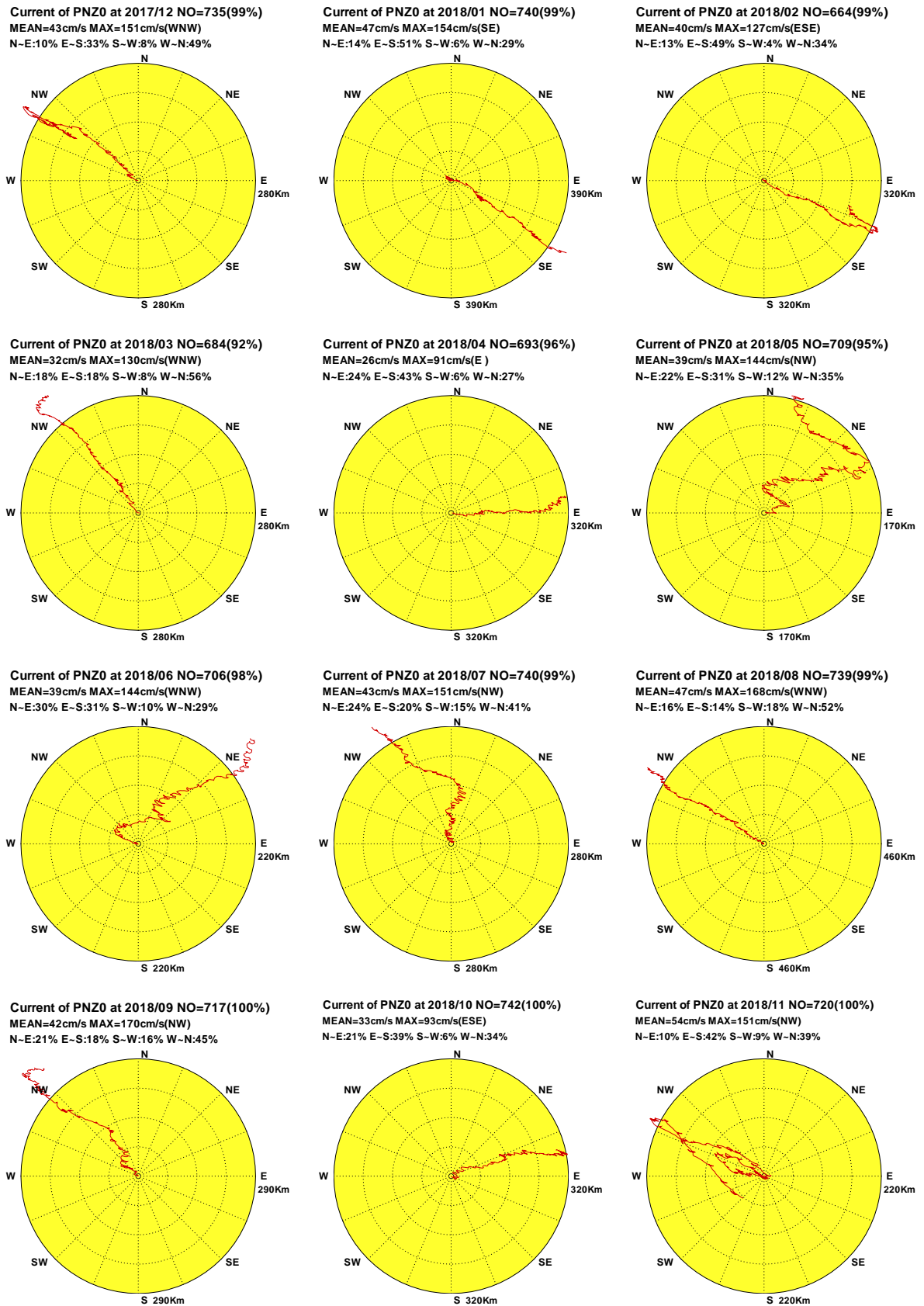


圖4.5.1a 2018年屏東海域每月測站 Z 觀測海流向量行進圖

C17CPNZ0.1H0 C181PNZ0.1H0 C182PNZ0.1H0 C183PNZ0.1H0 C184PNZ0.1H0 C185PNZ0.1H0
C186PNZ0.1H0 C187PNZ0.1H0 C188PNZ0.1H0 C189PNZ0.1H0 C18APNZ0.1H0 C18BPNZ0.1H0

Institute of Harbor & Marine Technology

Progressive Vector Diagram of Current

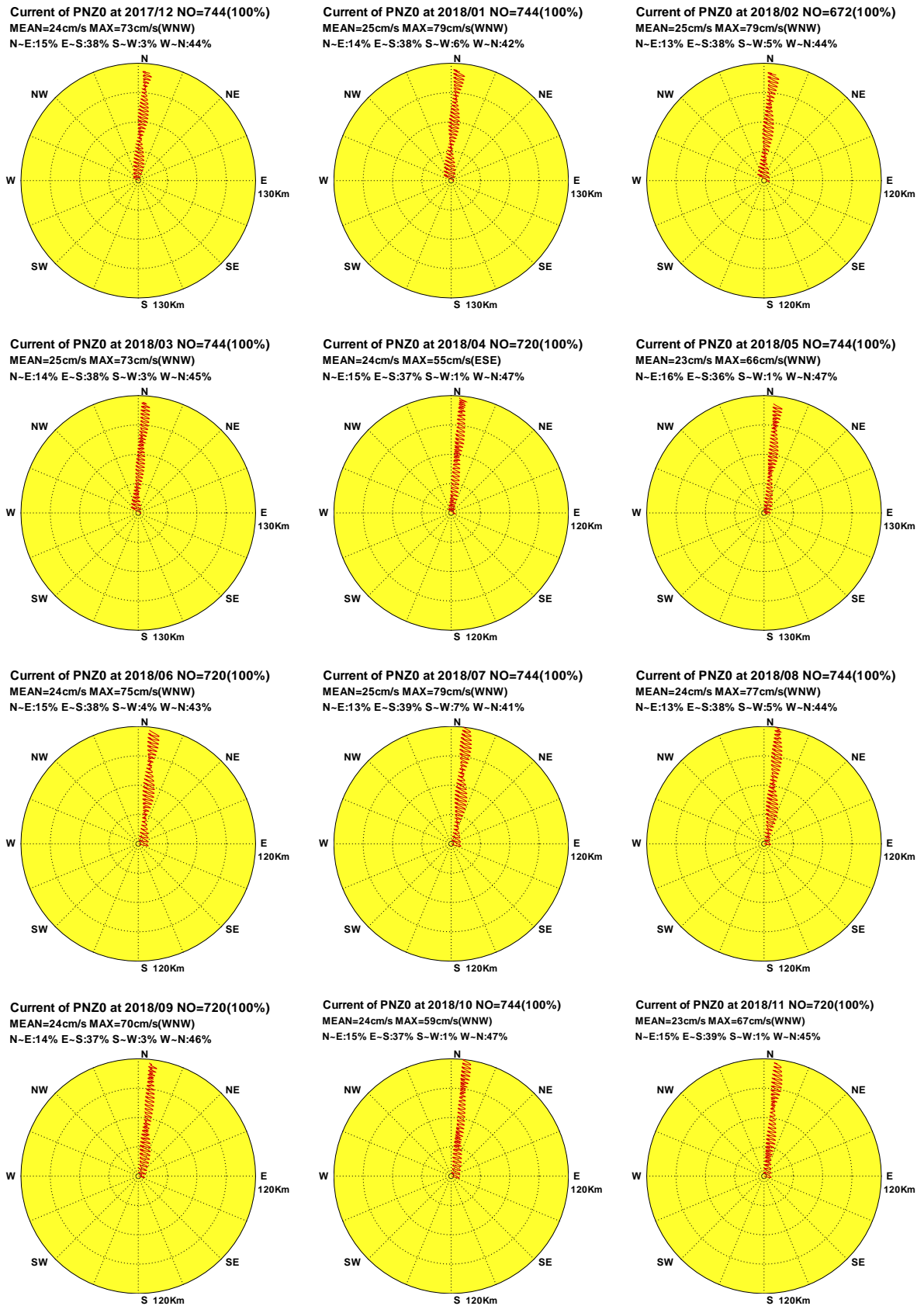


圖4.5.1b 2018年屏東海域每月測站 Z 計算潮流向量行進圖

C17CPNZ0.1HD C181PNZ0.1HD C182PNZ0.1HD C183PNZ0.1HD C184PNZ0.1HD C185PNZ0.1HD
C186PNZ0.1HD C187PNZ0.1HD C188PNZ0.1HD C189PNZ0.1HD C18APNZ0.1HD C18BPNZ0.1HD

Institute of Harbor & Marine Technology

Progressive Vector Diagram of Current

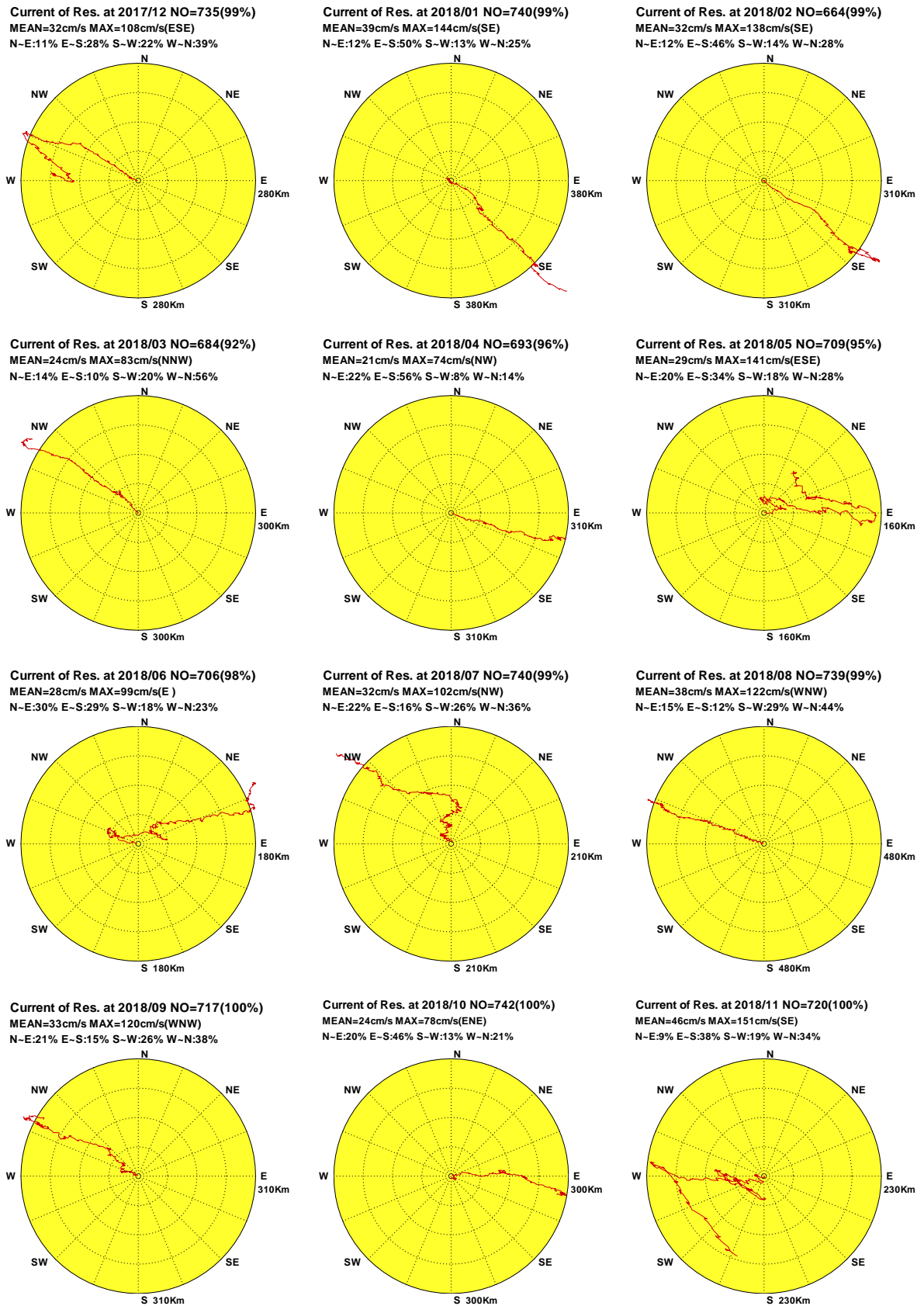


圖4.5.1c 2018年屏東海域每月測站 Z 計算殘流向量行進圖

C17CPNZ0.1HR C181PNZ0.1HR C182PNZ0.1HR C183PNZ0.1HR C184PNZ0.1HR C185PNZ0.1HR
 C186PNZ0.1HR C187PNZ0.1HR C188PNZ0.1HR C189PNZ0.1HR C18APNZ0.1HR C18BPNZ0.1HR

Institute of Harbor & Marine Technology

