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



交通部運輸研究所

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| 摘要： 本港灣環境資訊網觀測海氣象資料年報，包括金門海域2018年觀測風力、波浪、潮汐及海流等資料之觀測記錄表及逐時資料歷線圖。 | | | |
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2018年港灣環境資訊網海氣象觀測資料年報 (金門海域風浪潮流觀測資料)

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誌 謝

2018 年港灣環境資訊網觀測風力資料，蒐集之金門海域風力資料，除本中心自行觀測之外，在金門水頭氣象站(測站 E) 觀測風力資料，係交通部 中央氣象局(CWB)提供。金門料羅氣象站(測站 H)、金門水頭氣象站(測站 I)、金門海上浮標(測站 Y)等觀測風力資料，係經濟部 水利署(WRA)提供。金門后江灣海上浮標(測站 Z) 觀測風力資料，係 國立成功大學水文中心(COMC)裝設，謹致謝忱。

2018 年港灣環境資訊網觀測波浪資料，蒐集之金門海域波浪資料，除本中心自行觀測之外，在金門海上浮標(測站 Y)觀測波浪資料，係經濟部 水利署(WRA)提供。金門后江灣海上浮標(測站 Z) 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，蒐集之金門海域潮汐觀測資料，除本中心自行觀測之外，在金門水頭(測站 J) 及料羅(測站 F) 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，蒐集之金門海域海流資料，除本中心自行觀測之外，在金門海上浮標(測站 Y)觀測海流資料，係經濟部 水利署(WRA)提供。金門后江灣海上浮標(測站 Z) 觀測海流儀，係 國立成功大學水文中心(COMC)裝設，謹致謝忱。

第 0 章 金門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。

金門海域觀測風力資料測站統計表如表 WM1，觀測波浪資料測站統計表如表 VM1，觀測潮汐資料測站統計表如表 TM1，觀測海流資料測站統計表如表 CM1。

表 WM1 金門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 |
|------|------|------------|-----------|-----------|----------|----|
| 金門海域 | 8 | 3 | 1 | 3 | 1 | |

表 VM1 金門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 |
|------|------|------------|-----------|-----------|----------|----|
| 金門海域 | 4 | 2 | 0 | 1 | 1 | |

表 TM1 金門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 |
|------|------|------------|-----------|-----------|----------|----|
| 金門海域 | 7 | 5 | 0 | 2 | 0 | |

表 CM1 金門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 |
|------|------|------------|-----------|-----------|----------|----|
| 金門海域 | 4 | 2 | 0 | 1 | 1 | |

註:資料更新時間為 2018 年。

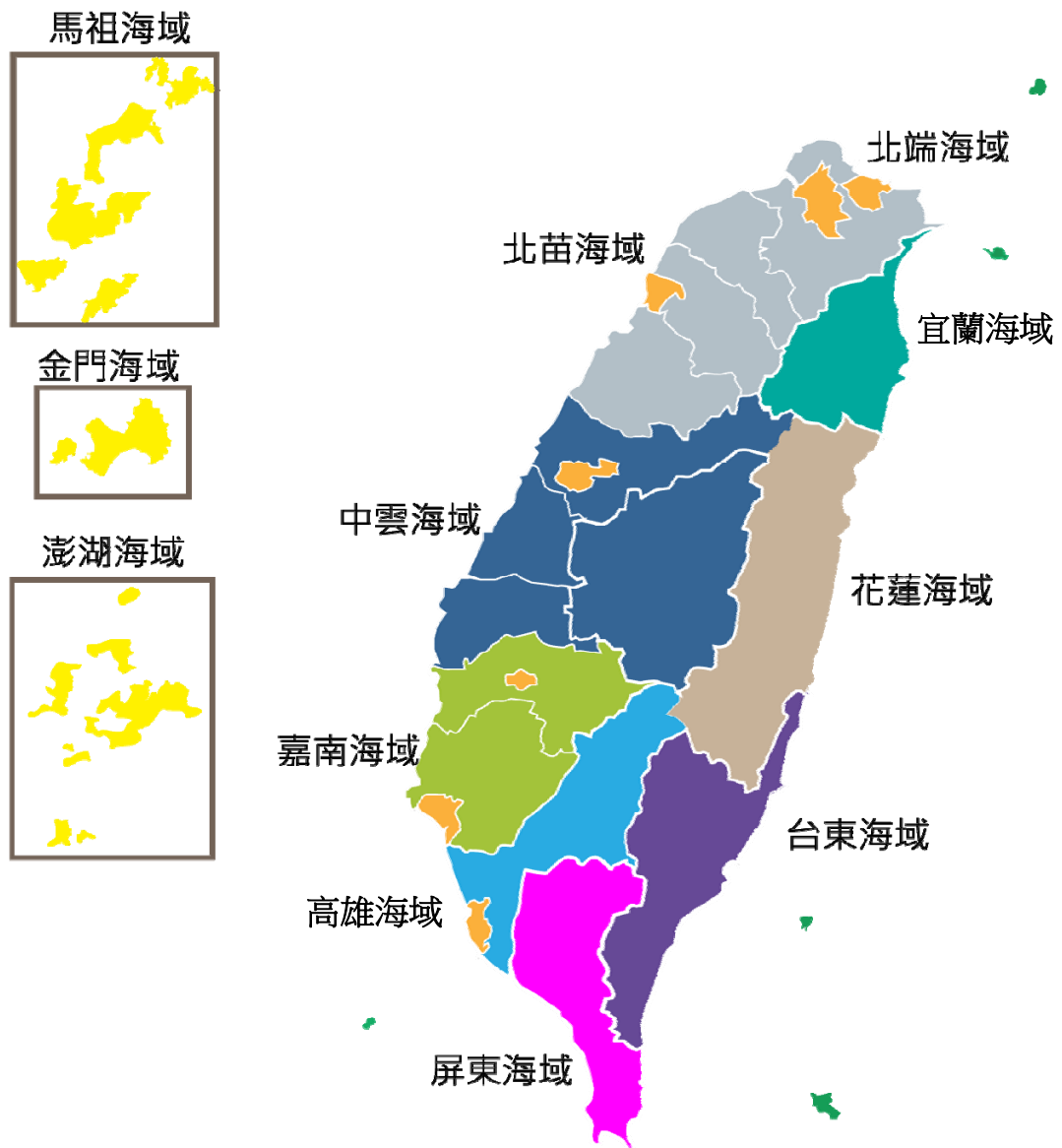


圖 A1 臺灣 12 海域區分示意圖

2018 年金門海域觀測風力資料

金門海域風力之觀測係 2010 年 12 月本中心(IHMT)安裝風速計於金門港水頭港區辦事處大樓樓頂(測站 W)，其位置如附圖 WM1。2012 年 8 月本中心另安裝風速計於金門港料羅港區辦事處大樓樓頂(測站 B)。2014 年 2 月本中心安裝風速計於金門港九宮港區(測站 C)。

料羅氣象站(測站 H)及水頭氣象站(測站 I)之風速儀屬水利署(WRA)所有。金門料羅港南方海域(測站 Y)外海浮標站之風速儀也屬水利署(WRA)所有。後江灣小浮標(測站 Z)之風速儀屬近海水文中心(COMC)設置。水頭氣象站(測站 E)之風速儀屬中央氣象局(CWB)所有。各測站歷年觀測風資料蒐集概況如表 WM1。

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

表 WM1 金門海域觀測風力資料蒐集概況表(統計時間至 2018 年 11 月)

| 測站 | 緯度 | 經度 | 觀測期間 | 觀測單位 | 備註 |
|----|------------|-------------|----------------------|-------|--------|
| W | 24°24'54"N | 118°17'13"E | 2010/12-2018/11(觀測中) | 港研中心 | 水頭港區 |
| B | 24°24'29"N | 118°25'46"E | 2012/08-2018/11(觀測中) | 港研中心 | 料羅港區 |
| C | 24°25'30"N | 118°15'48"E | 2014/02-2018/11(觀測中) | 港研中心 | 九宮港區 |
| E | 24°24'26"N | 118°17'21"E | 2004/01-2018/11(觀測中) | 中央氣象局 | 水頭氣象站 |
| Y | 24°22'48"N | 118°24'41"E | 2001/01-2018/11(觀測中) | 水利署 | 金門資料浮標 |
| Z | 24°30'27"N | 118°22'24"E | 2013/01-2014/06 | 水文中心 | 后江灣小浮標 |
| H | 24°24'32"N | 118°25'58"E | 2001/01-2018/11(觀測中) | 水利署 | 料羅氣象站 |
| I | 24°25'16"N | 118°17'21"E | 2013/09-2018/11(觀測中) | 水利署 | 水頭氣象站 |



圖 WM1 金門海域風力觀測站位置示意圖

2018 年金門海域觀測波浪資料

金門海域波浪之觀測 2013 年 12 月本中心(IHMT)安裝挪威 NORTEK 公司表面波浪監測系統於金門港料羅港區(測站 X)及水頭港區(測站 A)，其位置如附圖 VM1。

測站 Y 外海浮標站之波浪儀屬水利署(WRA)所有，測站 Z 外後江灣小浮標之波浪儀屬近海水文中心(COMC)設置。金門海域各測站歷年觀測波浪資料蒐集概況如表 VM1。

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

表 VM1 金門海域觀測波浪資料蒐集概況表(統計時間至 2018 年 11 月)

| 測站 | 緯度 | 經度 | 觀測期間 | 觀測單位 | 備註 |
|----|------------|-------------|----------------------|------|--------|
| X | 24°24'17"N | 118°25'19"E | 2014/02-2018/11(觀測中) | 港研中心 | 羅港港區外海 |
| A | 24°25'8"N | 118°16'41"E | 2014/02-2018/11(觀測中) | 港研中心 | 水頭港區外海 |
| Y | 24°22'48"N | 118°24'41"E | 2000/07-2018/11(觀測中) | 水利署 | 金門資料浮標 |
| Z | 24°30'27"N | 118°22'24"E | 2013/12-2014/07 | 水文中心 | 后江灣小浮標 |

金門海域

-  IHMT 波潮流站
-  WRA 浮標波浪站
-  COMC 浮標波浪站



圖 VM1 金門海域波浪觀測站位置示意圖

2018 年金門海域觀測海流資料

金門海域海流之觀測 2014 年 2 月本中心(IHMT)安裝挪威 NORTEK 公司表面波浪監測系統於金門港料羅港區(稱測站 X)及水頭港區(稱測站 A) ，其位置如附圖 CM1。

測站 Y 外海浮標站之海流儀屬水利署(WRA)所有，測站 Z 外後江灣小浮標之海流儀屬近海水文中心(COMC)設置。金門海域各測站歷年觀測海流資料蒐集概況如表 CM1。

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

表 CM1 金門海域觀測海流資料蒐集概況表(統計時間至 2018 年 11 月)

| 測站 | 緯度 | 經度 | 觀測期間 | 觀測單位 | 備註 |
|----|------------|-------------|----------------------|------|----------|
| X | 24°24'17"N | 118°25'19"E | 2014/02-2018/11(觀測中) | 港研中心 | 羅港港區外海 |
| A | 24°25'8"N | 118°16'41"E | 2014/02-2018/11(觀測中) | 港研中心 | 水頭港區外海 |
| Y | 24°22'48"N | 118°24'41"E | 2000/07-2018/11(觀測中) | 水利署 | 金門海域資料浮標 |
| Z | 24°30'27"N | 118°22'24"E | 2013/12-2014/07 | 水文中心 | 后江灣小浮標 |

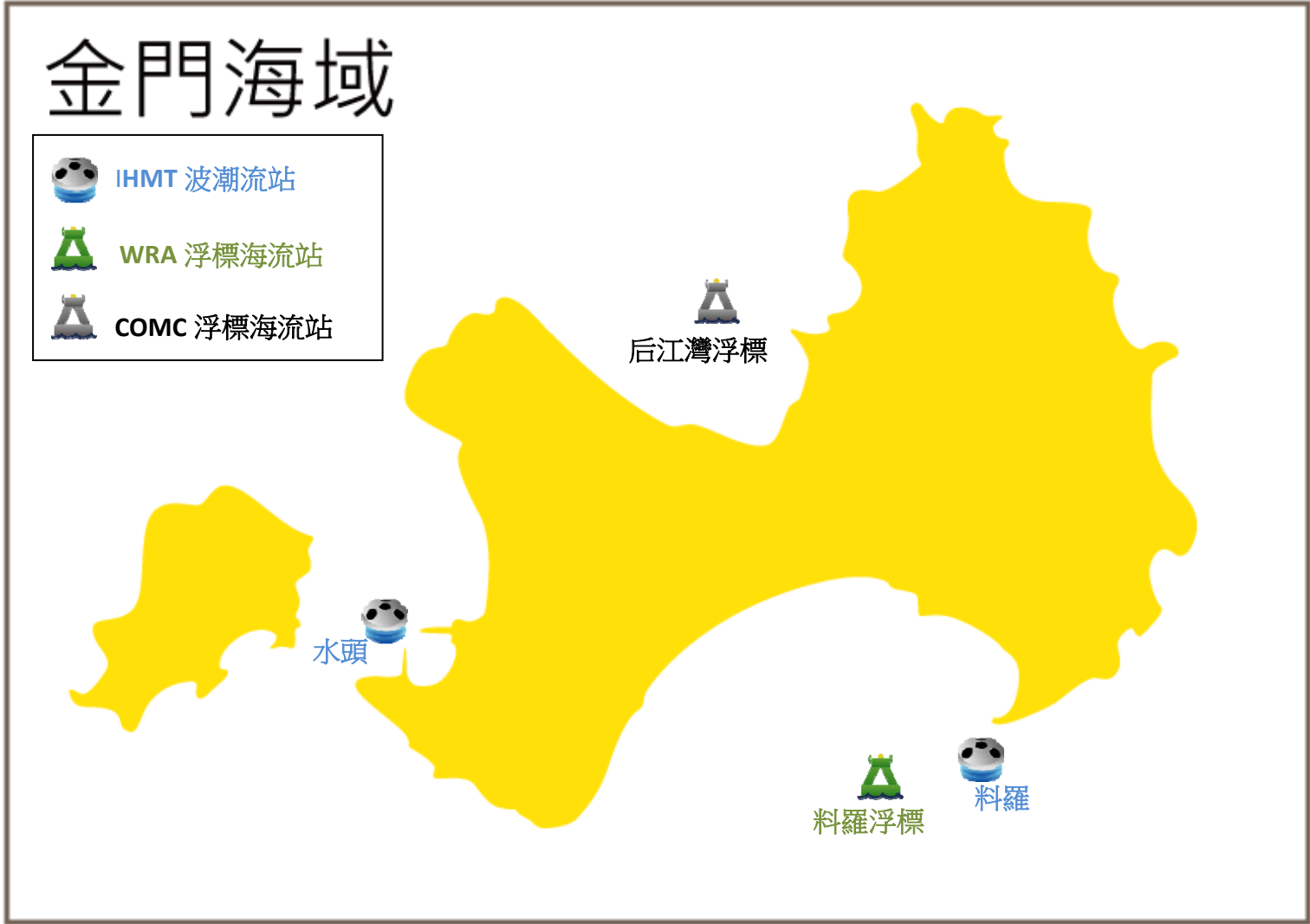


圖 CM1 金門海域海流觀測站位置示意圖

第一章 2018 年金門海域觀測風力資料

金門海域風之觀測包括測站 **W**、測站 **Y**、測站 **B**、測站 **C**、測站 **E**、測站 **H** 及測站 **I** 等 7 個測站(測站位置如第 0 章圖 WM1)。本年報取經檢核及補遺之 **Y 站** 資料作為主要測站 1，**W 站** 資料作為主要測站 2。

1.1 2018 年金門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 年金門海域 **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 年金門海域**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 年金門海域**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 年金門海域**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 年金門海域**各測站****修補前**每月風力向量行進圖。

表 1.1.1a 2018 年每月金門海域修補前各測站觀測風力資料紀錄表

| 海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 |
|----------|-------------|-------------|-------------|-------------|------------|-------------|-------------|------|------|------|------|------|
| 年月/測站 | Y | W | B | C | E | H | I | Z | | | | |
| 2017/12月 | 735(98.8%) | 658(88.4%) | 744(100%) | 553(74.3%) | 744(100%) | 744(100%) | 744(100%) | * | * | * | * | * |
| 2018/ 1月 | 738(99.2%) | 654(87.9%) | 662(89.0%) | 640(86.0%) | 744(100%) | 744(100%) | 744(100%) | * | * | * | * | * |
| 2018/ 2月 | 664(98.8%) | 515(76.6%) | 604(89.9%) | 602(89.6%) | 672(100%) | 671(99.9%) | 672(100%) | * | * | * | * | * |
| 2018/ 3月 | 733(98.5%) | 657(88.3%) | 723(97.2%) | 677(91.0%) | 744(100%) | 744(100%) | 744(100%) | * | * | * | * | * |
| 2018/ 4月 | 710(98.6%) | 660(91.7%) | 701(97.4%) | 572(79.4%) | 720(100%) | 663(92.1%) | 720(100%) | * | * | * | * | * |
| 2018/ 5月 | 740(99.5%) | 604(81.2%) | 729(98.0%) | 343(46.1%) | 744(100%) | 744(100%) | 744(100%) | * | * | * | * | * |
| 2018/ 6月 | 713(99.0%) | 201(27.9%) | 666(92.5%) | 473(65.7%) | 720(100%) | 719(99.9%) | 720(100%) | * | * | * | * | * |
| 2018/ 7月 | 724(97.3%) | 737(99.1%) | 729(98.0%) | * | 744(100%) | 743(99.9%) | 744(100%) | * | * | * | * | * |
| 2018/ 8月 | 736(98.9%) | 727(97.7%) | 709(95.3%) | 169(22.7%) | 744(100%) | 744(100%) | 744(100%) | * | * | * | * | * |
| 2018/ 9月 | 696(96.7%) | 706(98.1%) | 669(92.9%) | 673(93.5%) | 720(100%) | 720(100%) | 718(99.7%) | * | * | * | * | * |
| 2018/10月 | 726(97.6%) | 737(99.1%) | 691(92.9%) | 703(94.5%) | 744(100%) | 744(100%) | 735(98.8%) | * | * | * | * | * |
| 2018/11月 | 701(97.4%) | 646(89.7%) | 233(32.4%) | 675(93.8%) | 720(100%) | 719(99.9%) | 714(99.2%) | * | * | * | * | * |
| 2018/冬季 | 2137(98.9%) | 1827(84.6%) | 2010(93.1%) | 1795(83.1%) | 2160(100%) | 2159(99.9%) | 2160(100%) | * | * | * | * | * |
| 2018/春季 | 2183(98.9%) | 1921(87.0%) | 2153(97.5%) | 1592(72.1%) | 2208(100%) | 2151(97.4%) | 2208(100%) | * | * | * | * | * |
| 2018/夏季 | 2173(98.4%) | 1665(75.4%) | 2104(95.3%) | 642(29.1%) | 2208(100%) | 2206(99.9%) | 2208(100%) | * | * | * | * | * |
| 2018/秋季 | 2123(97.2%) | 2089(95.7%) | 1593(72.9%) | 2051(93.9%) | 2184(100%) | 2183(99.9%) | 2167(99.2%) | * | * | * | * | * |
| 2018/整年 | 8616(98.4%) | 7502(85.6%) | 7860(89.7%) | 6080(69.4%) | 8760(100%) | 8699(99.3%) | 8743(99.8%) | * | * | * | * | * |
| 起始年月 | 2017/12 | 2017/12 | 2017/12 | 2017/12 | 2017/12 | 2017/12 | 2017/12 | * | * | * | * | * |
| 結束年月 | 2018/11 | 2018/11 | 2018/11 | 2018/11 | 2018/11 | 2018/11 | 2018/11 | * | * | * | * | * |

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表1.1.1b 2018年每月金門海域修補後各測站風力資料紀錄表

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

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表 1.1.2 2018 年金門海域 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%) | 8.2 | 7.9/NE | 14.4/NE | 8.7 | 31.3 | 58.9 | 1.1 | 93.1 | 1.1 | 2.2 | 3.6 | NE /42.9% |
| 2 | 2018/01 | 744(100%) | 7.4 | 7.1/NE | 14.6/NE | 11.4 | 41.8 | 45.4 | 1.3 | 91.3 | 1.7 | .8 | 6.2 | NE /48.4% |
| 3 | 2018/02 | 672(100%) | 6.8 | 6.3/NE | 13.7/NE | 20.2 | 34.8 | 44.9 | .0 | 87.1 | 5.5 | 2.4 | 5.1 | NE /45.7% |
| 4 | 2018/03 | 744(100%) | 4.9 | 4.2/NE | 15.1/NE | 37.5 | 44.5 | 17.1 | .9 | 73.4 | 9.3 | 6.5 | 10.9 | NE /27.6% |
| 5 | 2018/04 | 720(100%) | 4.4 | 2.5/NE | 15.7/NE | 42.6 | 41.9 | 14.6 | .8 | 52.8 | 14.2 | 25.7 | 7.4 | NE /22.1% |
| 6 | 2018/05 | 744(100%) | 4.7 | 1.3/S | 12.4/NE | 27.0 | 62.2 | 10.8 | .0 | 25.7 | 13.0 | 59.4 | 1.9 | SSW/26.7% |
| 7 | 2018/06 | 720(100%) | 6.2 | 1.8/E | 14.5/SSW | 8.9 | 67.2 | 23.6 | .3 | 54.2 | 7.1 | 38.2 | .6 | NE /24.2% |
| 8 | 2018/07 | 744(100%) | 5.3 | 1.1/SSW | 12.4/NE | 24.2 | 57.9 | 17.9 | .0 | 32.3 | 7.0 | 55.0 | 5.8 | SW /25.7% |
| 9 | 2018/08 | 744(100%) | 3.9 | 1.7/S | 10.1/S | 39.8 | 57.0 | 3.2 | .0 | 20.0 | 24.3 | 45.3 | 10.3 | SW /16.4% |
| 10 | 2018/09 | 720(100%) | 5.6 | 2.9/NE | 14.9/NE | 26.7 | 48.9 | 23.1 | 1.4 | 58.3 | 11.1 | 26.5 | 4.0 | NE /21.9% |
| 11 | 2018/10 | 744(100%) | 7.1 | 6.6/NE | 13.3/NE | 9.5 | 49.9 | 40.6 | .0 | 91.8 | .9 | 3.4 | 3.9 | NE /42.7% |
| 12 | 2018/11 | 720(100%) | 6.2 | 5.9/NE | 15.9/NE | 15.8 | 57.2 | 25.4 | 1.5 | 90.4 | 4.2 | 1.5 | 3.9 | NE /49.0% |
| 13 | 2018/冬 | 2160(100%) | 7.5 | 7.1/NE | 14.6/NE | 13.2 | 36.0 | 49.9 | .8 | 90.6 | 2.7 | 1.8 | 5.0 | NE /45.6% |
| 14 | 2018/春 | 2208(100%) | 4.7 | 2.0/ENE | 15.7/NE | 35.6 | 49.6 | 14.1 | .6 | 50.6 | 12.1 | 30.6 | 6.7 | NE /21.7% |
| 15 | 2018/夏 | 2208(100%) | 5.1 | 1.0/SSE | 14.5/SSW | 24.5 | 60.6 | 14.8 | .1 | 35.3 | 12.9 | 46.2 | 5.6 | SW /19.3% |
| 16 | 2018/秋 | 2184(100%) | 6.3 | 5.1/NE | 15.9/NE | 17.3 | 52.0 | 29.8 | 1.0 | 80.3 | 5.4 | 10.4 | 3.9 | NE /38.0% |
| 17 | 2018/年 | 8760(100%) | 5.9 | 3.4/NE | 15.9/NE | 22.7 | 49.6 | 27.0 | .6 | 64.0 | 8.3 | 22.4 | 5.3 | NE /29.8% |

表1.1.3 2018年金門海域 W 站修補後風速及風向重要統計量統計表

| 序號 | 日期 (年/月) | 觀測 點數 | 風速 平均值 (m/s) | 平均風 風速/風向 (m/s)/(來向) | 最大風 風速/風向 (m/s)/(來向) | 輕風 <3.3 (%) | 和風 ~7.9 (%) | 強風 ~13.8 (%) | 疾風 >13.8 (%) | 風向 N~E (%) | 風向 E~S (%) | 風向 S~W (%) | 風向 W~N (%) | 主要風向 方向/百分比 |
|----|-------------|------------|--------------------|----------------------------|----------------------------|-------------------|-------------------|--------------------|--------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 744(100%) | 6.2 | 5.9/NNE | 12.6/NE | 14.8 | 58.2 | 27.0 | .0 | 91.5 | 1.5 | 2.0 | 5.0 | NNE/52.0% |
| 2 | 2018/01 | 744(100%) | 5.4 | 5.2/NNE | 14.0/NNE | 20.6 | 63.7 | 15.6 | .1 | 89.9 | 2.2 | 1.1 | 6.9 | NNE/55.6% |
| 3 | 2018/02 | 672(100%) | 5.0 | 4.4/NNE | 10.6/NNE | 27.7 | 60.0 | 12.4 | .0 | 84.8 | 7.0 | 2.2 | 6.0 | NNE/51.5% |
| 4 | 2018/03 | 744(100%) | 3.9 | 2.8/NE | 15.6/NE | 47.7 | 44.6 | 7.5 | .1 | 69.0 | 14.8 | 5.4 | 10.9 | NNE/32.5% |
| 5 | 2018/04 | 720(100%) | 3.8 | 1.6/ENE | 11.7/NNE | 45.1 | 51.4 | 3.5 | .0 | 48.3 | 33.8 | 11.9 | 6.0 | NNE/24.4% |
| 6 | 2018/05 | 744(100%) | 4.3 | 2.0/SE | 10.5/NE | 36.8 | 56.7 | 6.5 | .0 | 26.2 | 51.3 | 20.4 | 2.0 | SSE/33.3% |
| 7 | 2018/06 | 720(100%) | 4.2 | 1.8/E | 10.3/SSE | 27.5 | 71.3 | 1.3 | .0 | 54.4 | 23.9 | 20.7 | 1.0 | NE /25.8% |
| 8 | 2018/07 | 744(100%) | 4.4 | 1.2/SE | 10.7/NNE | 32.5 | 61.4 | 6.0 | .0 | 32.4 | 33.9 | 30.1 | 3.6 | SSE/22.7% |
| 9 | 2018/08 | 744(100%) | 3.5 | 2.0/SSE | 12.4/WSW | 50.9 | 46.5 | 2.6 | .0 | 22.7 | 46.9 | 26.5 | 3.9 | SSE/22.7% |
| 10 | 2018/09 | 720(100%) | 4.5 | 2.2/NE | 17.2/NNE | 34.7 | 55.7 | 9.0 | .6 | 59.0 | 23.1 | 14.0 | 3.9 | NNE/27.6% |
| 11 | 2018/10 | 744(100%) | 5.4 | 4.9/NNE | 13.2/N | 20.4 | 64.9 | 14.7 | .0 | 90.6 | 3.9 | 2.6 | 3.0 | NNE/46.2% |
| 12 | 2018/11 | 720(100%) | 4.7 | 4.3/NNE | 15.3/N | 30.4 | 60.7 | 8.6 | .3 | 87.9 | 5.3 | 1.5 | 5.3 | NNE/43.9% |
| 13 | 2018/冬 | 2160(100%) | 5.6 | 5.2/NNE | 14.0/NNE | 20.8 | 60.6 | 18.5 | .0 | 88.9 | 3.4 | 1.8 | 5.9 | NNE/53.1% |
| 14 | 2018/春 | 2208(100%) | 4.0 | 1.5/ENE | 15.6/NE | 43.2 | 50.9 | 5.8 | .0 | 47.8 | 33.3 | 12.6 | 6.3 | NNE/23.5% |
| 15 | 2018/夏 | 2208(100%) | 4.0 | 1.5/SE | 12.4/WSW | 37.1 | 59.6 | 3.3 | .0 | 36.3 | 35.0 | 25.8 | 2.9 | SSE/20.1% |
| 16 | 2018/秋 | 2184(100%) | 4.9 | 3.8/NNE | 17.2/NNE | 28.4 | 60.5 | 10.8 | .3 | 79.3 | 10.7 | 6.0 | 4.0 | NNE/39.3% |
| 17 | 2018/年 | 8760(100%) | 4.6 | 2.4/NE | 17.2/NNE | 32.5 | 57.9 | 9.6 | .1 | 62.9 | 20.7 | 11.6 | 4.8 | NNE/31.4% |

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Wind Speed in Kin-Men seas of KMY0 at 2018

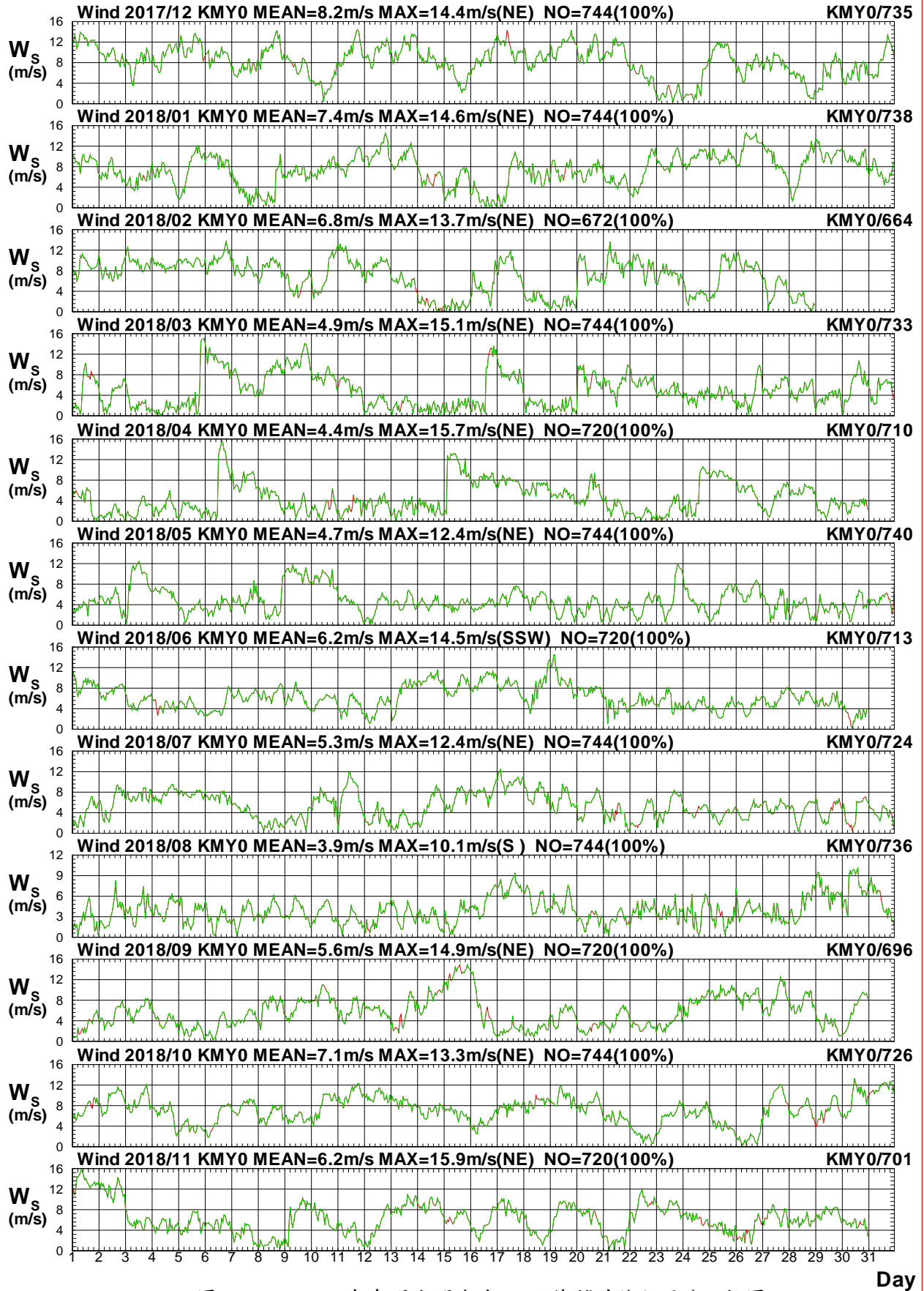


圖1.1.1a 2018年每月金門海域 Y 站修補前後之風速比較圖

W17CKMY0.1HA W17CKMY0.1H0 W181KMY0.1HA W181KMY0.1H0 W182KMY0.1HA W182KMY0.1H0
 W183KMY0.1HA W183KMY0.1H0 W184KMY0.1HA W184KMY0.1H0 W185KMY0.1HA W185KMY0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

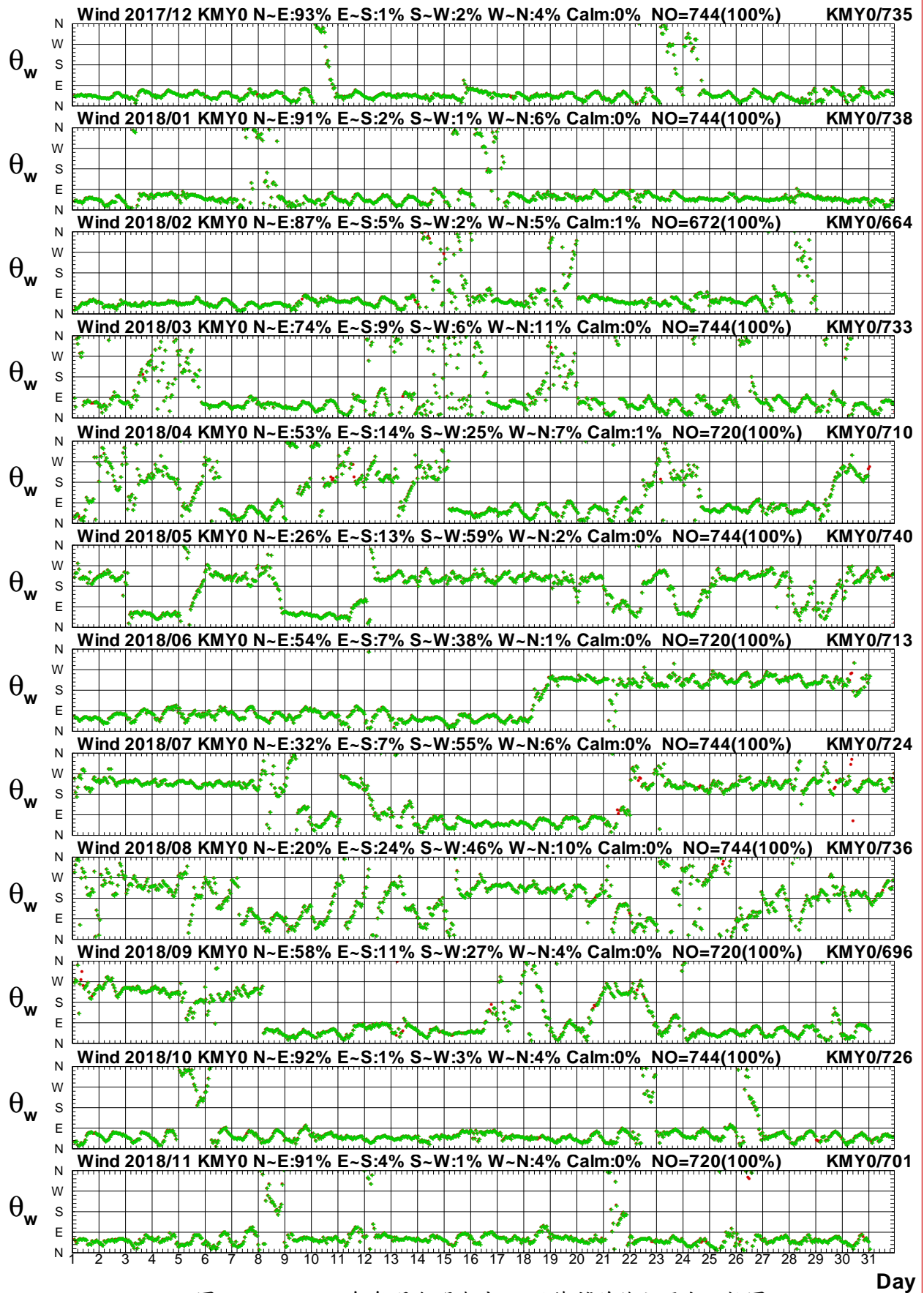


圖1.1.1b 2018年每月金門海域 Y 站修補前後之風向比較圖

W17CKMY0.1HA W17CKMY0.1H0 W181KMY0.1HA W181KMY0.1H0 W182KMY0.1HA W182KMY0.1H0
 W183KMY0.1HA W183KMY0.1H0 W184KMY0.1HA W184KMY0.1H0 W185KMY0.1HA W185KMY0.1H0

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Wind Speed in Kin-Men seas of KMW0 at 2018

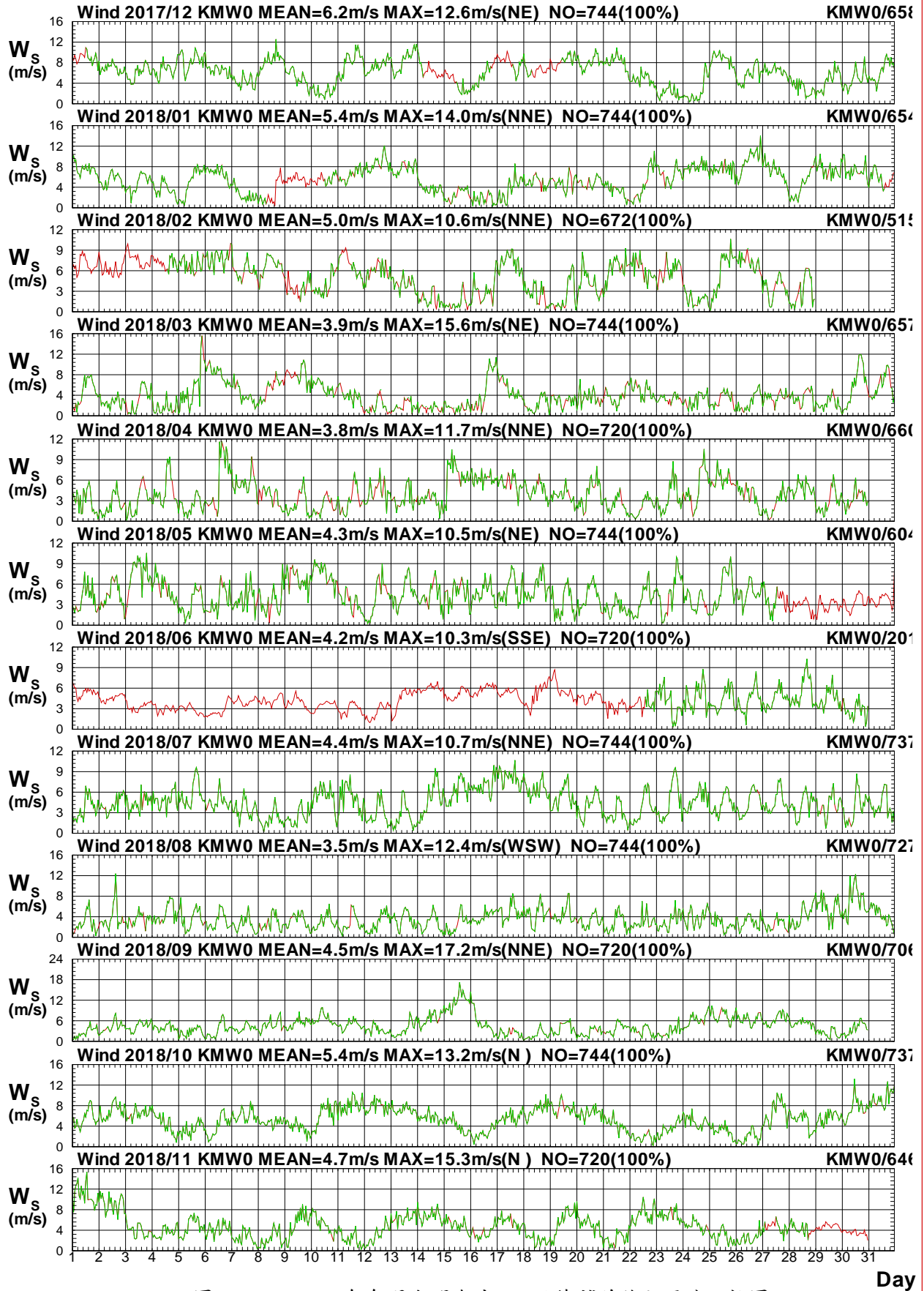


圖1.1.2a 2018年每月金門海域 W 站修補前後之風速比較圖

Wind Direction in Kin-Men seas of KMW0 at 2018

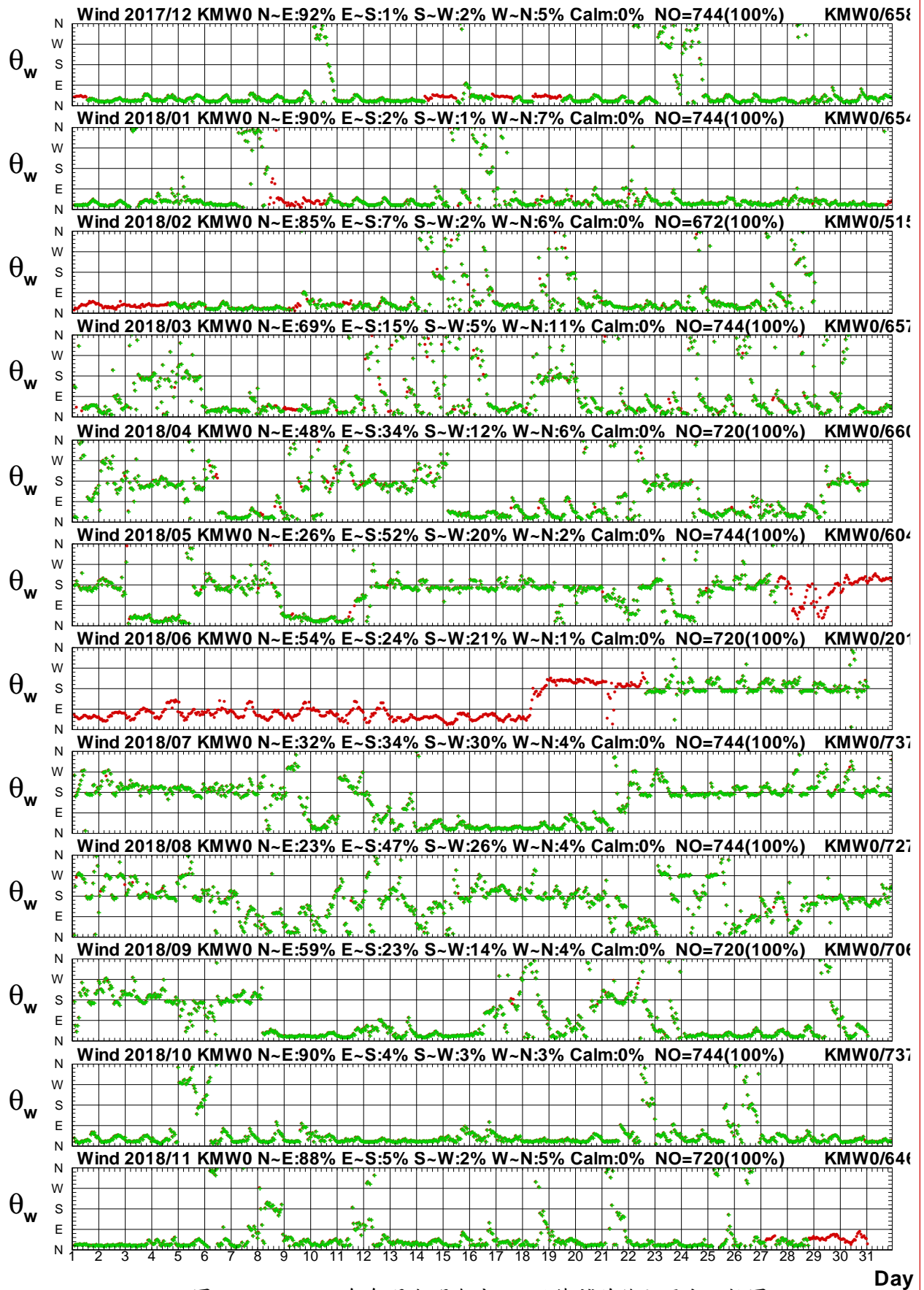


圖1.1.2b 2018年每月金門海域 W 站修補前後之風向比較圖

W17CKMW0.1HA W17CKMW0.1HO W181KMW0.1HA W181KMW0.1HO W182KMW0.1HA W182KMW0.1HO
 W183KMW0.1HA W183KMW0.1HO W184KMW0.1HA W184KMW0.1HO W185KMW0.1HA W185KMW0.1HO
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Distribution of Wind Vectors

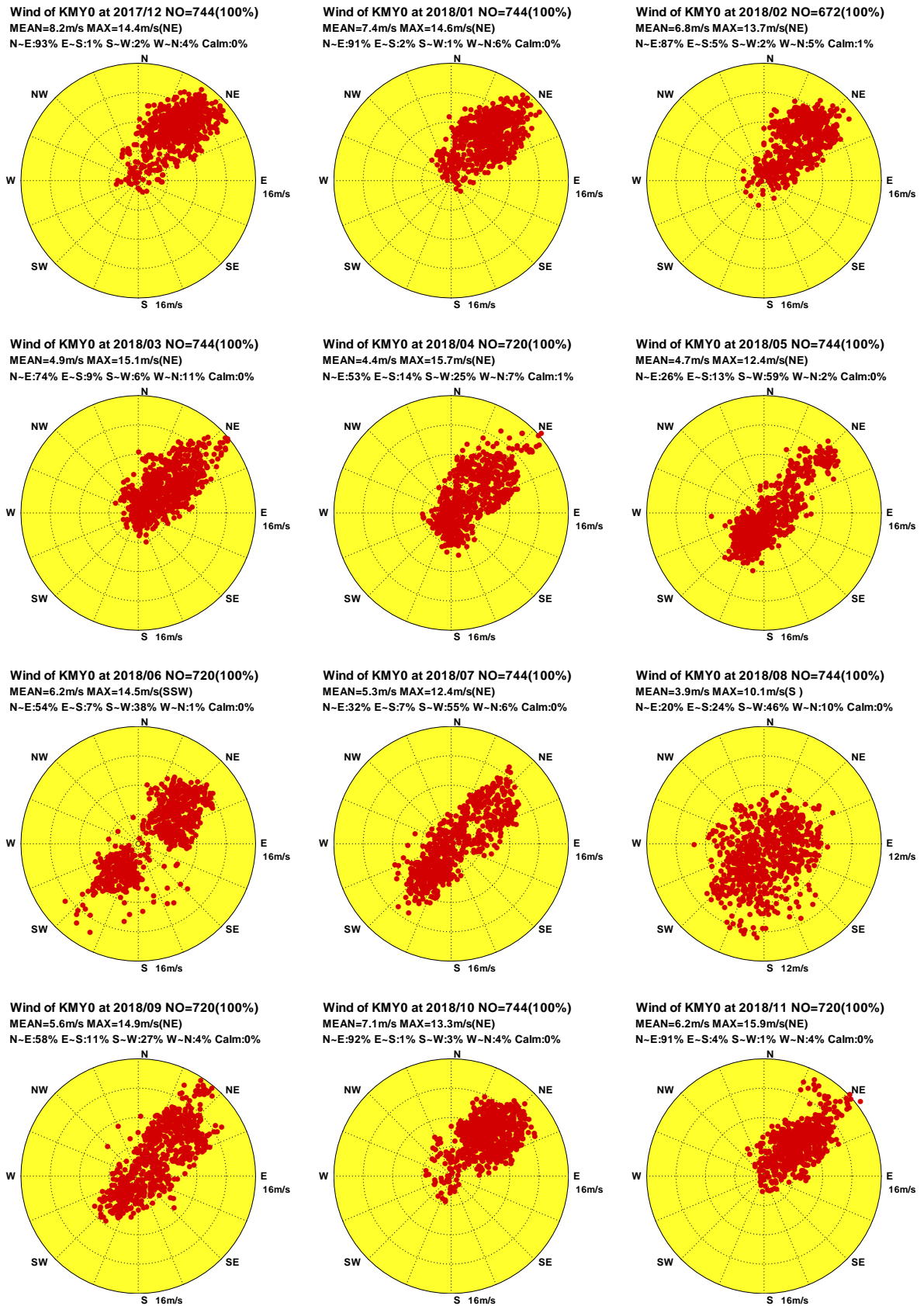


圖1.1.3 2018年金門海域每月 Y 站修補後觀測風力向量分佈圖

W17CKMY0.1HA W181KMY0.1HA W182KMY0.1HA W183KMY0.1HA W184KMY0.1HA W185KMY0.1HA
W186KMY0.1HA W187KMY0.1HA W188KMY0.1HA W189KMY0.1HA W18AKMY0.1HA W18BKMY0.1HA

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Distribution of Wind Vectors

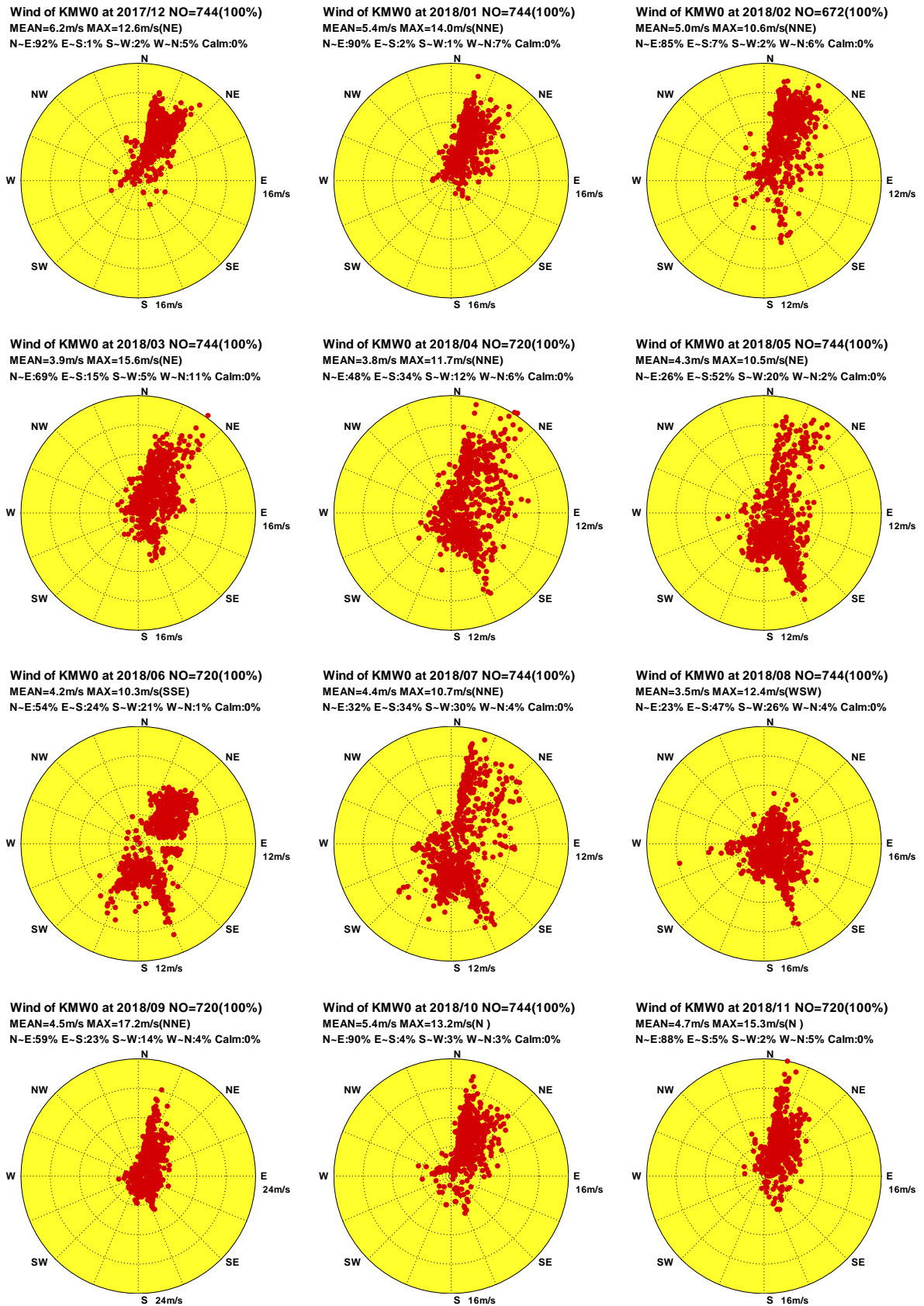


圖1.1.4 2018年金門海域每月 W 站修補後觀測風力向量分佈圖

Progressive Vector Diagram of Wind

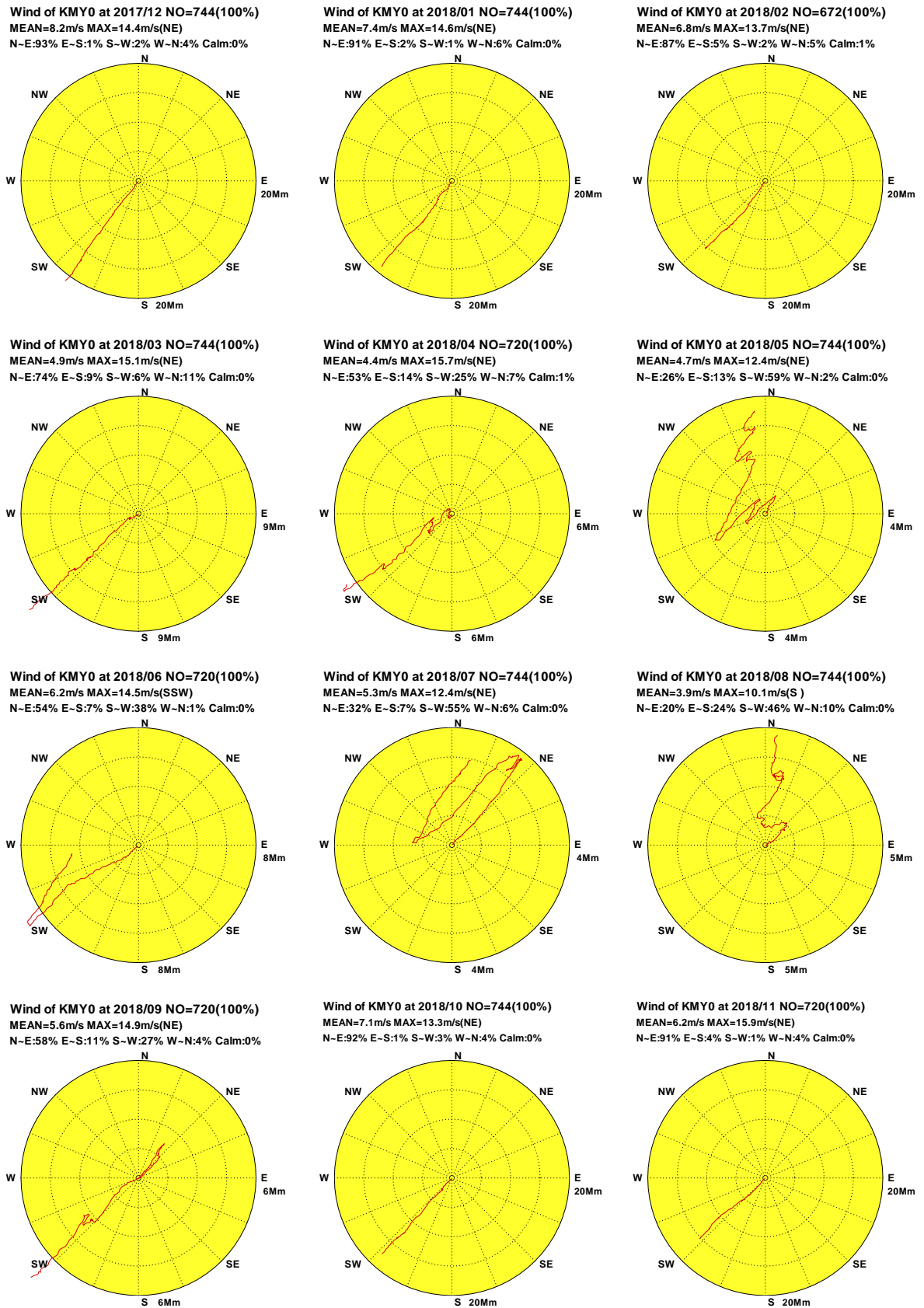


圖1.1.5 2018年金門海域每月 Y 站修補後觀測風力向量行進圖

W17CKMY0.1HA W181KMY0.1HA W182KMY0.1HA W183KMY0.1HA W184KMY0.1HA W185KMY0.1HA
W186KMY0.1HA W187KMY0.1HA W188KMY0.1HA W189KMY0.1HA W18AKMY0.1HA W18BKMY0.1HA

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Progressive Vector Diagram of Wind

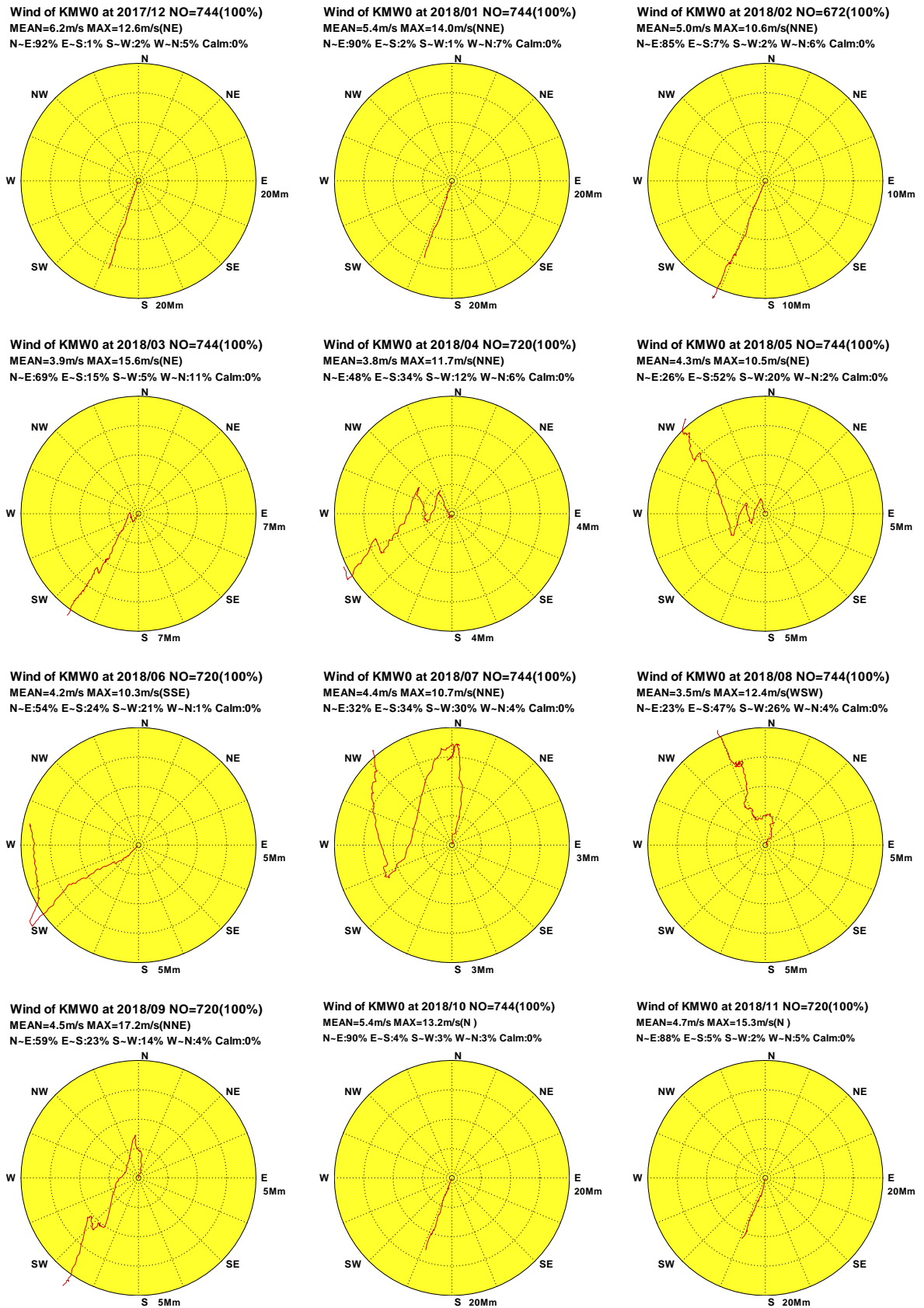


圖1.1.6 2018年金門海域每月 W 站修補後觀測風力向量行進圖

1.2 2018 年金門海域各測站修補前 風力統計量統計表

表1.2.1 2018年金門海域 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 | 735(99%) | 8.2 | 7.9/NE | 14.4/NE | 8.6 | 31.3 | 59.2 | 1.0 | 93.3 | 1.1 | 1.9 | 3.7 | NE /43.1% |
| 2 | 2018/01 | 738(99%) | 7.4 | 7.1/NE | 14.6/NE | 11.5 | 41.5 | 45.7 | 1.4 | 91.2 | 1.8 | .8 | 6.2 | NE /48.5% |
| 3 | 2018/02 | 664(99%) | 6.8 | 6.4/NE | 13.7/NE | 19.9 | 34.8 | 45.3 | .0 | 87.5 | 5.6 | 2.3 | 4.7 | NE /45.8% |
| 4 | 2018/03 | 733(99%) | 4.9 | 4.1/NE | 15.1/NE | 37.7 | 44.3 | 17.1 | 1.0 | 73.3 | 9.3 | 6.5 | 10.9 | NE /27.6% |
| 5 | 2018/04 | 710(99%) | 4.5 | 2.5/NE | 15.7/NE | 42.3 | 42.1 | 14.8 | .8 | 53.4 | 14.2 | 24.9 | 7.5 | NE /22.4% |
| 6 | 2018/05 | 740(100%) | 4.7 | 1.3/S | 12.4/NE | 26.9 | 62.3 | 10.8 | .0 | 25.7 | 13.1 | 59.3 | 1.9 | SSW/26.9% |
| 7 | 2018/06 | 713(99%) | 6.2 | 1.8/E | 14.5/SSW | 8.6 | 67.3 | 23.8 | .3 | 54.3 | 7.2 | 38.0 | .6 | NE /24.0% |
| 8 | 2018/07 | 724(97%) | 5.3 | 1.1/SSW | 12.4/NE | 24.0 | 57.6 | 18.4 | .0 | 32.9 | 6.9 | 54.6 | 5.7 | SW /25.8% |
| 9 | 2018/08 | 736(99%) | 3.9 | 1.8/S | 10.1/S | 39.5 | 57.2 | 3.3 | .0 | 20.1 | 24.3 | 45.7 | 9.9 | SW /16.6% |
| 10 | 2018/09 | 696(97%) | 5.6 | 2.9/NE | 14.9/NE | 26.3 | 49.6 | 23.0 | 1.1 | 58.8 | 10.6 | 26.7 | 3.9 | NE /21.8% |
| 11 | 2018/10 | 726(98%) | 7.1 | 6.5/NE | 13.3/NE | 9.6 | 49.7 | 40.6 | .0 | 91.6 | 1.0 | 3.4 | 4.0 | NE /43.0% |
| 12 | 2018/11 | 701(97%) | 6.2 | 5.9/NE | 15.9/NE | 16.1 | 56.9 | 25.4 | 1.6 | 90.4 | 4.3 | 1.6 | 3.7 | NE /48.9% |
| 13 | 2018/冬 | 2137(99%) | 7.5 | 7.1/NE | 14.6/NE | 13.1 | 35.9 | 50.2 | .8 | 90.8 | 2.7 | 1.6 | 4.9 | NE /45.8% |
| 14 | 2018/春 | 2183(99%) | 4.7 | 2.0/ENE | 15.7/NE | 35.5 | 49.7 | 14.2 | .6 | 50.7 | 12.2 | 30.4 | 6.7 | NE /21.8% |
| 15 | 2018/夏 | 2173(98%) | 5.1 | 1.0/SSE | 14.5/SSW | 24.2 | 60.7 | 15.0 | .1 | 35.6 | 12.9 | 46.1 | 5.4 | SW /19.4% |
| 16 | 2018/秋 | 2123(97%) | 6.3 | 5.1/NE | 15.9/NE | 17.2 | 52.0 | 29.8 | .9 | 80.5 | 5.2 | 10.5 | 3.9 | NE /38.0% |
| 17 | 2018/年 | 8616(98%) | 5.9 | 3.4/NE | 15.9/NE | 22.6 | 49.6 | 27.2 | .6 | 64.1 | 8.3 | 22.3 | 5.2 | NE /29.8% |

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表1.2.2 2018年金門海域 W 站修補前風速及風向重要統計量統計表

| 序 號 | 日期 (年/月) | 觀測 點數 | 風速 平均值 (m/s) | 平均風 風速/風向 (m/s)/(來向) | 最大風 風速/風向 (m/s)/(來向) | 輕風 <3.3 (%) | 和風 ~7.9 (%) | 強風 ~13.8 (%) | 疾風 >13.8 (%) | 風向 N~E (%) | 風向 E~S (%) | 風向 S~W (%) | 風向 W~N (%) | 主要風向 方向/百分比 |
|--------|-------------|------------|--------------------|----------------------------|----------------------------|-------------------|-------------------|--------------------|--------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 658(88%) | 6.0 | 5.8/NNE | 12.6/NE | 16.7 | 57.3 | 26.0 | .0 | 90.4 | 1.7 | 2.3 | 5.6 | NNE/47.3% |
| 2 | 2018/01 | 654(88%) | 5.5 | 5.2/NNE | 14.0/NNE | 21.1 | 61.6 | 17.1 | .2 | 89.8 | 1.8 | 1.2 | 7.2 | NNE/54.6% |
| 3 | 2018/02 | 515(77%) | 4.8 | 4.1/NNE | 10.6/NNE | 31.8 | 57.9 | 10.3 | .0 | 82.9 | 8.0 | 2.3 | 6.8 | NNE/46.6% |
| 4 | 2018/03 | 657(88%) | 3.9 | 2.7/NE | 15.6/NE | 47.3 | 45.1 | 7.5 | .2 | 68.6 | 15.1 | 5.6 | 10.7 | NNE/31.2% |
| 5 | 2018/04 | 660(92%) | 3.8 | 1.6/ENE | 11.7/NNE | 45.5 | 51.1 | 3.5 | .0 | 49.2 | 33.2 | 11.5 | 6.1 | NNE/25.2% |
| 6 | 2018/05 | 604(81%) | 4.5 | 2.0/SE | 10.5/NE | 33.6 | 58.8 | 7.6 | .0 | 26.3 | 54.6 | 16.9 | 2.2 | SSE/37.3% |
| 7 | 2018/06 | 201(28%) | 4.2 | 3.9/S | 10.3/SSE | 30.8 | 65.7 | 3.5 | .0 | 1.0 | 59.2 | 36.8 | 3.0 | SSE/48.3% |
| 8 | 2018/07 | 737(99%) | 4.4 | 1.2/SE | 10.7/NNE | 32.7 | 61.2 | 6.1 | .0 | 32.7 | 34.1 | 29.7 | 3.5 | SSE/22.7% |
| 9 | 2018/08 | 727(98%) | 3.6 | 2.0/SSE | 12.4/WSW | 49.9 | 47.5 | 2.6 | .0 | 22.6 | 47.6 | 25.9 | 4.0 | SSE/23.0% |
| 10 | 2018/09 | 706(98%) | 4.5 | 2.2/NE | 17.2/NNE | 34.6 | 55.9 | 8.9 | .6 | 59.2 | 22.9 | 13.9 | 4.0 | NNE/27.5% |
| 11 | 2018/10 | 737(99%) | 5.4 | 4.9/NNE | 13.2/N | 20.5 | 65.1 | 14.4 | .0 | 90.6 | 3.8 | 2.6 | 3.0 | NNE/46.1% |
| 12 | 2018/11 | 646(90%) | 4.7 | 4.3/NNE | 15.3/N | 32.4 | 57.9 | 9.4 | .3 | 86.5 | 5.9 | 1.7 | 5.9 | NNE/46.1% |
| 13 | 2018/冬 | 1827(85%) | 5.5 | 5.1/NNE | 14.0/NNE | 22.6 | 59.0 | 18.4 | .1 | 88.1 | 3.5 | 1.9 | 6.5 | NNE/49.7% |
| 14 | 2018/春 | 1921(87%) | 4.0 | 1.6/ENE | 15.6/NE | 42.4 | 51.4 | 6.1 | .1 | 48.7 | 33.7 | 11.2 | 6.4 | NNE/23.9% |
| 15 | 2018/夏 | 1665(75%) | 4.0 | 1.8/SSE | 12.4/WSW | 40.0 | 55.7 | 4.3 | .0 | 24.4 | 43.0 | 28.9 | 3.7 | SSE/25.9% |
| 16 | 2018/秋 | 2089(96%) | 4.9 | 3.8/NNE | 17.2/NNE | 28.9 | 59.8 | 11.0 | .3 | 78.7 | 10.9 | 6.1 | 4.2 | NNE/39.8% |
| 17 | 2018/年 | 7502(86%) | 4.6 | 2.3/NE | 17.2/NNE | 33.3 | 56.6 | 10.1 | .1 | 61.3 | 22.1 | 11.5 | 5.2 | NNE/31.6% |

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表1.2.3 2018年金門海域B站修補前風速及風向重要統計量統計表

| 序 號 | 日期 (年/月) | 觀測 點數 | 風速 平均值 (m/s) | 平均風 風速/風向 (m/s)/(來向) | 最大風 風速/風向 (m/s)/(來向) | 輕風 <3.3 (%) | 和風 ~7.9 (%) | 強風 ~13.8 (%) | 疾風 >13.8 (%) | 風向 N~E (%) | 風向 E~S (%) | 風向 S~W (%) | 風向 W~N (%) | 主要風向 方向/百分比 |
|--------|-------------|------------|--------------------|----------------------------|----------------------------|-------------------|-------------------|--------------------|--------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 744(100%) | 8.1 | 7.7/NNE | 14.6/NNE | 8.6 | 34.8 | 55.4 | 1.2 | 90.2 | .7 | 1.2 | 7.9 | NNE/48.1% |
| 2 | 2018/01 | 662(89%) | 7.4 | 7.1/NNE | 14.9/NNE | 11.6 | 39.1 | 48.3 | .9 | 89.4 | 1.5 | .6 | 8.5 | NE /38.5% |
| 3 | 2018/02 | 604(90%) | 6.4 | 5.8/NE | 13.1/NE | 22.2 | 40.6 | 37.3 | .0 | 85.6 | 4.8 | 2.6 | 7.0 | NE /40.6% |
| 4 | 2018/03 | 723(97%) | 5.0 | 4.1/NE | 15.4/NE | 34.2 | 50.9 | 14.5 | .4 | 71.6 | 8.3 | 6.2 | 13.8 | NE /28.8% |
| 5 | 2018/04 | 701(97%) | 4.5 | 2.2/ENE | 14.0/NE | 40.8 | 47.4 | 11.7 | .1 | 49.4 | 17.7 | 22.5 | 10.4 | NE /19.7% |
| 6 | 2018/05 | 729(98%) | 5.2 | 1.9/SSE | 12.4/NE | 23.3 | 63.5 | 13.2 | .0 | 28.3 | 19.2 | 50.5 | 2.1 | SSW/25.7% |
| 7 | 2018/06 | 666(93%) | 6.5 | 1.9/E | 16.3/SSW | 10.5 | 63.5 | 24.8 | 1.2 | 60.1 | 6.2 | 33.0 | .8 | NE /23.7% |
| 8 | 2018/07 | 729(98%) | 6.0 | 1.6/S | 14.1/SSW | 21.9 | 51.7 | 26.1 | .3 | 33.3 | 10.0 | 51.4 | 5.2 | SSW/29.1% |
| 9 | 2018/08 | 709(95%) | 4.4 | 2.3/S | 14.5/S | 39.8 | 49.6 | 10.3 | .3 | 22.3 | 28.6 | 37.7 | 11.4 | SSW/16.8% |
| 10 | 2018/09 | 669(93%) | 5.7 | 3.0/NE | 17.4/NNE | 27.8 | 48.6 | 20.6 | 3.0 | 57.1 | 12.7 | 20.6 | 9.6 | NNE/24.4% |
| 11 | 2018/10 | 691(93%) | 6.8 | 6.2/NNE | 15.1/NNE | 13.2 | 52.0 | 34.2 | .7 | 87.6 | 1.3 | 3.2 | 8.0 | NNE/39.4% |
| 12 | 2018/11 | 233(32%) | 6.4 | 5.8/NE | 16.5/NNE | 12.9 | 60.5 | 24.9 | 1.7 | 86.3 | 7.3 | 1.7 | 4.7 | NNE/36.1% |
| 13 | 2018/冬 | 2010(93%) | 7.3 | 6.9/NNE | 14.9/NNE | 13.7 | 38.0 | 47.6 | .7 | 88.6 | 2.2 | 1.4 | 7.8 | NNE/39.0% |
| 14 | 2018/春 | 2153(98%) | 4.9 | 1.9/ENE | 15.4/NE | 32.7 | 54.0 | 13.1 | .2 | 49.7 | 15.0 | 26.5 | 8.7 | NE /20.7% |
| 15 | 2018/夏 | 2104(95%) | 5.6 | 1.5/SSE | 16.3/SSW | 24.3 | 54.8 | 20.3 | .6 | 38.1 | 15.1 | 41.0 | 5.9 | SSW/20.9% |
| 16 | 2018/秋 | 1593(73%) | 6.3 | 4.8/NE | 17.4/NNE | 19.3 | 51.8 | 27.1 | 1.8 | 74.6 | 7.0 | 10.3 | 8.2 | NNE/32.6% |
| 17 | 2018/年 | 7860(90%) | 6.0 | 3.1/NE | 17.4/NNE | 22.9 | 49.7 | 26.7 | .8 | 61.6 | 10.1 | 20.7 | 7.6 | NNE/23.2% |

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表1.2.4 2018年金門海域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 | 553(74%) | 5.8 | 5.5/NE | 12.5/NE | 26.2 | 46.1 | 27.7 | .0 | 89.5 | 2.5 | 2.9 | 5.1 | NE /60.6% |
| 2 | 2018/01 | 640(86%) | 5.3 | 5.1/NE | 14.3/NE | 26.9 | 53.9 | 19.1 | .2 | 92.0 | 3.0 | 2.0 | 3.0 | NE /61.6% |
| 3 | 2018/02 | 602(90%) | 4.5 | 3.9/NE | 12.0/NE | 37.7 | 50.8 | 11.5 | .0 | 80.9 | 6.6 | 9.3 | 3.2 | NE /46.7% |
| 4 | 2018/03 | 677(91%) | 3.4 | 2.4/ENE | 10.9/NE | 57.6 | 35.5 | 6.9 | .0 | 65.7 | 13.0 | 14.8 | 6.5 | NE /29.8% |
| 5 | 2018/04 | 572(79%) | 3.5 | 1.1/E | 12.0/NE | 51.4 | 43.9 | 4.7 | .0 | 43.5 | 11.4 | 39.2 | 5.9 | NE /20.5% |
| 6 | 2018/05 | 343(46%) | 4.5 | 1.9/SSW | 10.6/NE | 30.9 | 61.8 | 7.3 | .0 | 27.7 | 11.7 | 58.0 | 2.6 | SSW/25.1% |
| 7 | 2018/06 | 473(66%) | 5.0 | 2.8/ENE | 16.8/SW | 29.4 | 57.5 | 12.7 | .4 | 67.9 | 16.7 | 14.2 | 1.3 | NE /41.9% |
| 8 | 2018/07 | | | | | | | | | | | | | |
| 9 | 2018/08 | 169(23%) | 4.3 | 2.8/SSW | 12.2/SSW | 40.8 | 49.1 | 10.1 | .0 | 14.2 | 25.4 | 49.1 | 11.2 | SSW/24.9% |
| 10 | 2018/09 | 673(94%) | 4.7 | 2.0/ENE | 16.6/NE | 36.1 | 51.0 | 11.4 | 1.5 | 56.0 | 11.6 | 28.8 | 3.6 | NE /32.5% |
| 11 | 2018/10 | 703(95%) | 5.6 | 5.0/NE | 13.8/NE | 22.5 | 57.8 | 19.6 | .1 | 85.6 | 5.1 | 4.7 | 4.6 | NE /59.3% |
| 12 | 2018/11 | 675(94%) | 4.8 | 4.4/NE | 15.6/NE | 36.1 | 50.7 | 12.7 | .4 | 86.2 | 5.9 | 4.1 | 3.7 | NE /61.5% |
| 13 | 2018/冬 | 1795(83%) | 5.2 | 4.8/NE | 14.3/NE | 30.3 | 50.5 | 19.2 | .1 | 87.5 | 4.1 | 4.7 | 3.7 | NE /56.3% |
| 14 | 2018/春 | 1592(72%) | 3.7 | 1.2/E | 12.0/NE | 49.6 | 44.2 | 6.2 | .0 | 49.6 | 12.1 | 32.9 | 5.5 | NE /24.1% |
| 15 | 2018/夏 | 642(29%) | 4.8 | 1.8/E | 16.8/SW | 32.4 | 55.3 | 12.0 | .3 | 53.7 | 19.0 | 23.4 | 3.9 | NE /31.8% |
| 16 | 2018/秋 | 2051(94%) | 5.0 | 3.8/NE | 16.6/NE | 31.4 | 53.2 | 14.7 | .7 | 76.1 | 7.5 | 12.4 | 3.9 | NE /51.2% |
| 17 | 2018/年 | 6080(69%) | 4.7 | 3.1/NE | 16.8/SW | 36.0 | 50.2 | 13.5 | .3 | 70.2 | 8.9 | 16.7 | 4.3 | NE /43.6% |

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表1.2.5 2018年金門海域 E 站修補前風速及風向重要統計量統計表

| 序 號 | 日期 (年/月) | 觀測 點數 | 風速 平均值 (m/s) | 平均風 風速/風向 (m/s)/(來向) | 最大風 風速/風向 (m/s)/(來向) | 輕風 <3.3 (%) | 和風 ~7.9 (%) | 強風 ~13.8 (%) | 疾風 >13.8 (%) | 風向 N~E (%) | 風向 E~S (%) | 風向 S~W (%) | 風向 W~N (%) | 主要風向 方向/百分比 |
|--------|-------------|------------|--------------------|----------------------------|----------------------------|-------------------|-------------------|--------------------|--------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 744(100%) | 4.2 | 3.9/NE | 8.3/ENE | 26.1 | 73.3 | .7 | .0 | 94.1 | .9 | .4 | 4.6 | NE /42.5% |
| 2 | 2018/01 | 744(100%) | 3.7 | 3.5/NE | 9.1/ENE | 37.4 | 62.5 | .1 | .0 | 93.7 | 1.9 | 1.1 | 3.4 | NE /41.4% |
| 3 | 2018/02 | 672(100%) | 3.5 | 3.1/NE | 7.6/ENE | 40.3 | 59.7 | .0 | .0 | 86.0 | 6.7 | 3.6 | 3.7 | NE /36.2% |
| 4 | 2018/03 | 744(100%) | 3.1 | 2.3/ENE | 11.1/ENE | 59.8 | 38.8 | 1.3 | .0 | 73.1 | 12.8 | 9.0 | 5.1 | ENE/23.9% |
| 5 | 2018/04 | 720(100%) | 2.8 | 1.2/ENE | 8.8/ENE | 66.8 | 32.8 | .4 | .0 | 49.4 | 15.6 | 30.6 | 4.4 | ENE/17.4% |
| 6 | 2018/05 | 744(100%) | 2.8 | 1.0/S | 8.1/ENE | 69.4 | 30.5 | .1 | .0 | 25.8 | 15.7 | 56.9 | 1.6 | SSW/21.5% |
| 7 | 2018/06 | 720(100%) | 3.3 | 1.0/E | 11.9/SW | 51.7 | 47.4 | 1.0 | .0 | 51.9 | 8.9 | 38.2 | 1.0 | ENE/25.7% |
| 8 | 2018/07 | 744(100%) | 3.1 | .5/S | 8.0/E | 57.3 | 42.6 | .1 | .0 | 32.1 | 6.2 | 55.0 | 6.7 | SW /27.2% |
| 9 | 2018/08 | 744(100%) | 2.5 | 1.0/S | 9.2/WSW | 74.7 | 25.1 | .1 | .0 | 21.6 | 23.9 | 44.5 | 9.9 | SW /17.1% |
| 10 | 2018/09 | 720(100%) | 3.1 | 1.6/ENE | 9.2/NE | 59.2 | 39.4 | 1.4 | .0 | 59.2 | 12.5 | 25.7 | 2.6 | NE /19.3% |
| 11 | 2018/10 | 744(100%) | 3.7 | 3.2/ENE | 7.6/E | 37.4 | 62.6 | .0 | .0 | 86.7 | 6.9 | 3.4 | 3.1 | ENE/33.1% |
| 12 | 2018/11 | 720(100%) | 3.2 | 2.9/ENE | 8.3/ENE | 57.2 | 42.2 | .6 | .0 | 87.6 | 8.1 | 2.9 | 1.4 | ENE/38.6% |
| 13 | 2018/冬 | 2160(100%) | 3.8 | 3.5/NE | 9.1/ENE | 34.4 | 65.3 | .3 | .0 | 91.4 | 3.1 | 1.6 | 3.9 | NE /40.1% |
| 14 | 2018/春 | 2208(100%) | 2.9 | 1.1/E | 11.1/ENE | 65.3 | 34.1 | .6 | .0 | 49.5 | 14.7 | 32.2 | 3.7 | ENE/17.5% |
| 15 | 2018/夏 | 2208(100%) | 3.0 | .6/SSE | 11.9/SW | 61.3 | 38.3 | .4 | .0 | 35.1 | 13.0 | 46.0 | 5.9 | SW /22.4% |
| 16 | 2018/秋 | 2184(100%) | 3.3 | 2.6/ENE | 9.2/NE | 51.1 | 48.3 | .6 | .0 | 77.9 | 9.1 | 10.6 | 2.4 | ENE/29.3% |
| 17 | 2018/年 | 8760(100%) | 3.3 | 1.7/ENE | 11.9/SW | 53.1 | 46.4 | .5 | .0 | 63.3 | 10.0 | 22.7 | 4.0 | NE /22.7% |

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表1.2.6 2018年金門海域 I 站修補前風速及風向重要統計量統計表

| 序號 | 日期 (年/月) | 觀測 點數 | 風速 平均值 (m/s) | 平均風 風速/風向 (m/s)/(來向) | 最大風 風速/風向 (m/s)/(來向) | 輕風 <3.3 (%) | 和風 ~7.9 (%) | 強風 ~13.8 (%) | 疾風 >13.8 (%) | 風向 N~E (%) | 風向 E~S (%) | 風向 S~W (%) | 風向 W~N (%) | 主要風向 方向/百分比 |
|----|-------------|------------|--------------------|----------------------------|----------------------------|-------------------|-------------------|--------------------|--------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 744(100%) | 8.3 | 7.9/NE | 16.2/NE | 9.3 | 31.2 | 55.8 | 3.8 | 90.3 | 2.7 | 1.7 | 5.2 | NE /47.4% |
| 2 | 2018/01 | 744(100%) | 7.3 | 6.8/NE | 16.4/NE | 13.8 | 42.5 | 41.7 | 2.0 | 86.0 | 5.4 | 1.2 | 7.4 | NE /44.1% |
| 3 | 2018/02 | 672(100%) | 6.6 | 5.8/NE | 14.4/NE | 21.1 | 37.1 | 41.4 | .4 | 79.9 | 8.9 | 5.4 | 5.8 | NE /38.7% |
| 4 | 2018/03 | 744(100%) | 4.9 | 3.6/ENE | 16.9/ENE | 36.6 | 44.2 | 18.1 | 1.1 | 61.0 | 18.3 | 12.2 | 8.5 | NE /21.8% |
| 5 | 2018/04 | 720(100%) | 4.8 | 1.9/E | 16.0/NE | 31.9 | 54.6 | 13.1 | .4 | 41.8 | 16.0 | 35.8 | 6.4 | NE /15.8% |
| 6 | 2018/05 | 744(100%) | 5.2 | 1.9/S | 13.4/ENE | 23.3 | 62.1 | 14.7 | .0 | 22.3 | 17.2 | 58.5 | 2.0 | SSW/29.7% |
| 7 | 2018/06 | 720(100%) | 6.1 | 1.8/E | 16.7/SW | 14.7 | 61.0 | 23.8 | .6 | 47.1 | 12.9 | 37.8 | 2.2 | NE /21.1% |
| 8 | 2018/07 | 744(100%) | 5.7 | 1.1/S | 13.8/NE | 22.6 | 55.2 | 21.9 | .3 | 28.5 | 9.4 | 57.3 | 4.8 | SW /23.3% |
| 9 | 2018/08 | 744(100%) | 4.1 | 2.0/SSW | 13.2/WSW | 36.4 | 60.2 | 3.4 | .0 | 15.6 | 27.2 | 49.1 | 8.2 | SSW/17.2% |
| 10 | 2018/09 | 718(100%) | 5.7 | 2.8/ENE | 21.2/NE | 28.0 | 46.8 | 22.3 | 2.9 | 51.8 | 16.9 | 26.7 | 4.6 | NE /21.9% |
| 11 | 2018/10 | 735(99%) | 7.1 | 6.3/NE | 17.1/NE | 14.6 | 43.0 | 41.2 | 1.2 | 83.9 | 8.7 | 3.8 | 3.5 | NE /40.5% |
| 12 | 2018/11 | 714(99%) | 6.2 | 5.6/NE | 18.6/NE | 20.9 | 49.2 | 27.7 | 2.2 | 83.2 | 8.7 | 3.4 | 4.8 | NE /42.4% |
| 13 | 2018/冬 | 2160(100%) | 7.4 | 6.8/NE | 16.4/NE | 14.5 | 36.9 | 46.4 | 2.1 | 85.6 | 5.6 | 2.7 | 6.2 | NE /43.6% |
| 14 | 2018/春 | 2208(100%) | 5.0 | 1.7/E | 16.9/ENE | 30.6 | 53.6 | 15.3 | .5 | 41.7 | 17.2 | 35.5 | 5.6 | NE /16.1% |
| 15 | 2018/夏 | 2208(100%) | 5.3 | 1.2/SSE | 16.7/SW | 24.7 | 58.8 | 16.3 | .3 | 30.2 | 16.5 | 48.1 | 5.1 | SW /17.8% |
| 16 | 2018/秋 | 2167(99%) | 6.3 | 4.9/NE | 21.2/NE | 21.1 | 46.3 | 30.5 | 2.1 | 73.1 | 11.4 | 11.3 | 4.3 | NE /35.0% |
| 17 | 2018/年 | 8743(100%) | 6.0 | 3.2/ENE | 21.2/NE | 22.8 | 49.0 | 27.0 | 1.2 | 57.4 | 12.7 | 24.6 | 5.3 | NE /26.9% |

1-2-6

表1.2.7 2018年金門海域 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 | 744(100%) | 7.5 | 7.2/NE | 14.0/NNE | 9.1 | 43.7 | 46.9 | .3 | 94.1 | 1.3 | 1.1 | 3.5 | NNE/41.8% |
| 2 | 2018/01 | 744(100%) | 6.6 | 6.3/NE | 12.9/NE | 12.9 | 50.0 | 37.1 | .0 | 93.3 | 2.4 | .5 | 3.8 | NE /49.2% |
| 3 | 2018/02 | 671(100%) | 5.9 | 5.4/NE | 11.5/NE | 22.5 | 49.2 | 28.3 | .0 | 85.7 | 8.8 | 2.5 | 3.0 | NE /45.5% |
| 4 | 2018/03 | 744(100%) | 4.4 | 3.5/NE | 14.2/NE | 37.4 | 52.3 | 10.1 | .3 | 70.3 | 14.0 | 7.1 | 8.6 | NE /28.2% |
| 5 | 2018/04 | 663(92%) | 4.0 | 1.8/ENE | 12.9/NE | 43.4 | 49.9 | 6.6 | .0 | 50.1 | 15.5 | 26.8 | 7.5 | NE /20.7% |
| 6 | 2018/05 | 744(100%) | 4.8 | 1.8/SSW | 12.1/SSW | 26.9 | 62.0 | 11.2 | .0 | 23.5 | 14.2 | 59.9 | 2.3 | SSW/29.7% |
| 7 | 2018/06 | 719(100%) | 5.9 | .8/ESE | 18.2/SW | 15.4 | 63.3 | 19.9 | 1.4 | 50.8 | 9.6 | 39.4 | .3 | NE /22.1% |
| 8 | 2018/07 | 743(100%) | 5.5 | 1.7/SSW | 14.3/SW | 26.1 | 51.0 | 22.3 | .5 | 32.3 | 6.5 | 55.6 | 5.7 | SW /26.4% |
| 9 | 2018/08 | 744(100%) | 4.1 | 2.3/SSW | 12.7/SSW | 44.4 | 45.8 | 9.8 | .0 | 18.0 | 24.3 | 47.0 | 10.6 | SSW/16.9% |
| 10 | 2018/09 | 720(100%) | 5.0 | 2.0/NE | 14.6/NNE | 30.8 | 54.9 | 13.5 | .8 | 57.2 | 11.1 | 25.8 | 5.8 | NNE/27.9% |
| 11 | 2018/10 | 744(100%) | 5.9 | 5.4/NNE | 13.9/NNE | 14.4 | 62.5 | 23.0 | .1 | 89.8 | 1.5 | 3.5 | 5.2 | NNE/50.0% |
| 12 | 2018/11 | 719(100%) | 5.3 | 5.0/NNE | 14.0/NNE | 22.0 | 63.0 | 14.6 | .4 | 89.3 | 4.5 | 1.9 | 4.3 | NNE/50.5% |
| 13 | 2018/冬 | 2159(100%) | 6.7 | 6.3/NE | 14.0/NNE | 14.6 | 47.6 | 37.7 | .1 | 91.2 | 4.0 | 1.3 | 3.4 | NE /45.0% |
| 14 | 2018/春 | 2151(97%) | 4.4 | 1.3/ENE | 14.2/NE | 35.6 | 54.9 | 9.4 | .1 | 47.9 | 14.6 | 31.5 | 6.1 | NE /20.5% |
| 15 | 2018/夏 | 2206(100%) | 5.2 | 1.4/S | 18.2/SW | 28.8 | 53.3 | 17.3 | .6 | 33.5 | 13.5 | 47.4 | 5.6 | SW /19.6% |
| 16 | 2018/秋 | 2183(100%) | 5.4 | 4.2/NNE | 14.6/NNE | 22.3 | 60.1 | 17.1 | .5 | 78.9 | 5.6 | 10.4 | 5.1 | NNE/42.9% |
| 17 | 2018/年 | 8699(99%) | 5.4 | 2.6/NE | 18.2/SW | 25.3 | 54.0 | 20.4 | .3 | 62.8 | 9.4 | 22.7 | 5.1 | NNE/24.6% |

1-2-7

1.3 2018 年金門海域**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 Kin-Men seas of KMY0 at 2018

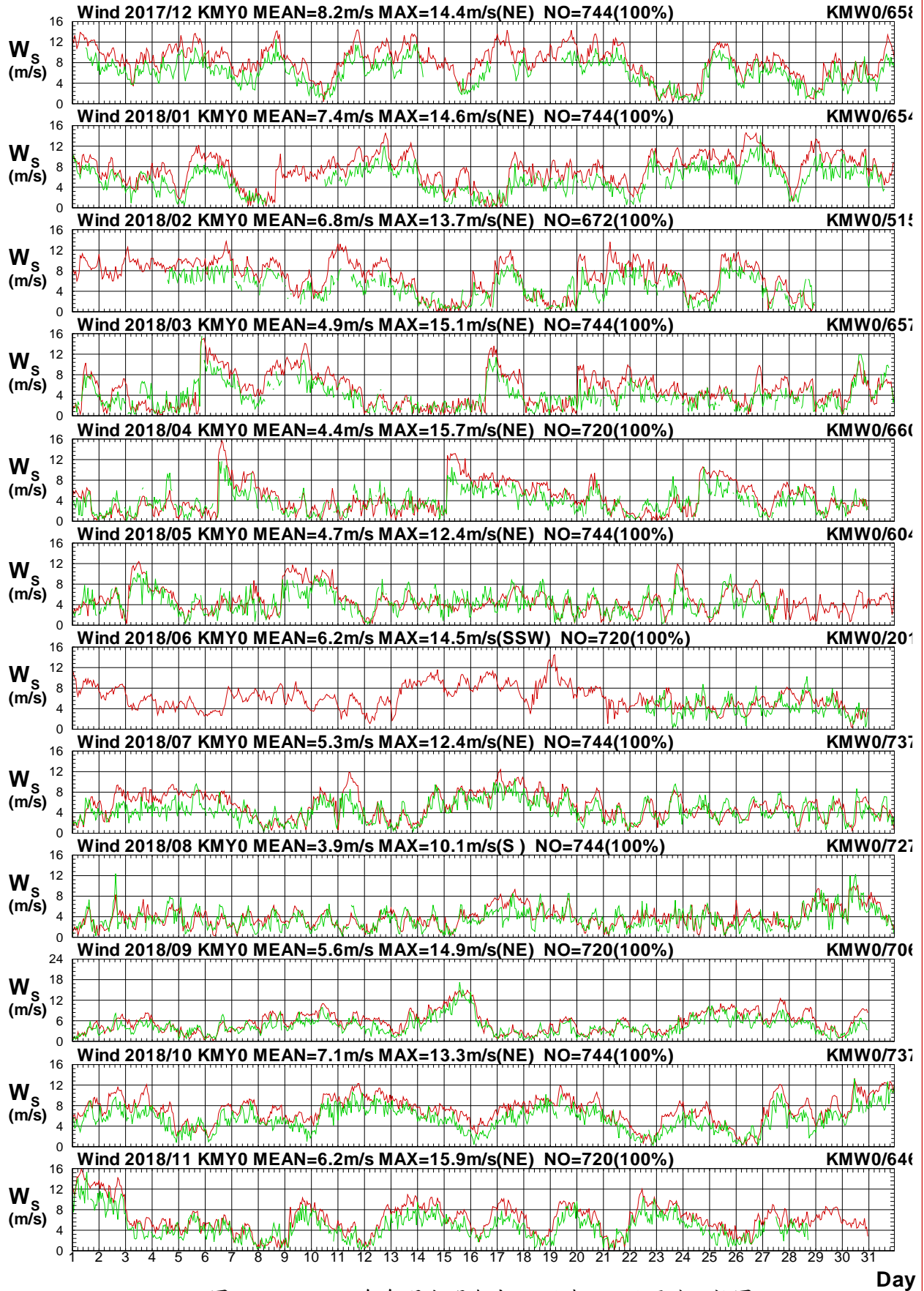


圖1.3.1a 2018年每月金門海域 Y 站與 W 站風速比較圖

W17CKMY0.1HA W17CKMW0.1H0 W181KMY0.1HA W181KMW0.1H0 W182KMY0.1HA W182KMW0.1H0
 W183KMY0.1HA W183KMW0.1H0 W184KMY0.1HA W184KMW0.1H0 W185KMY0.1HA W185KMW0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

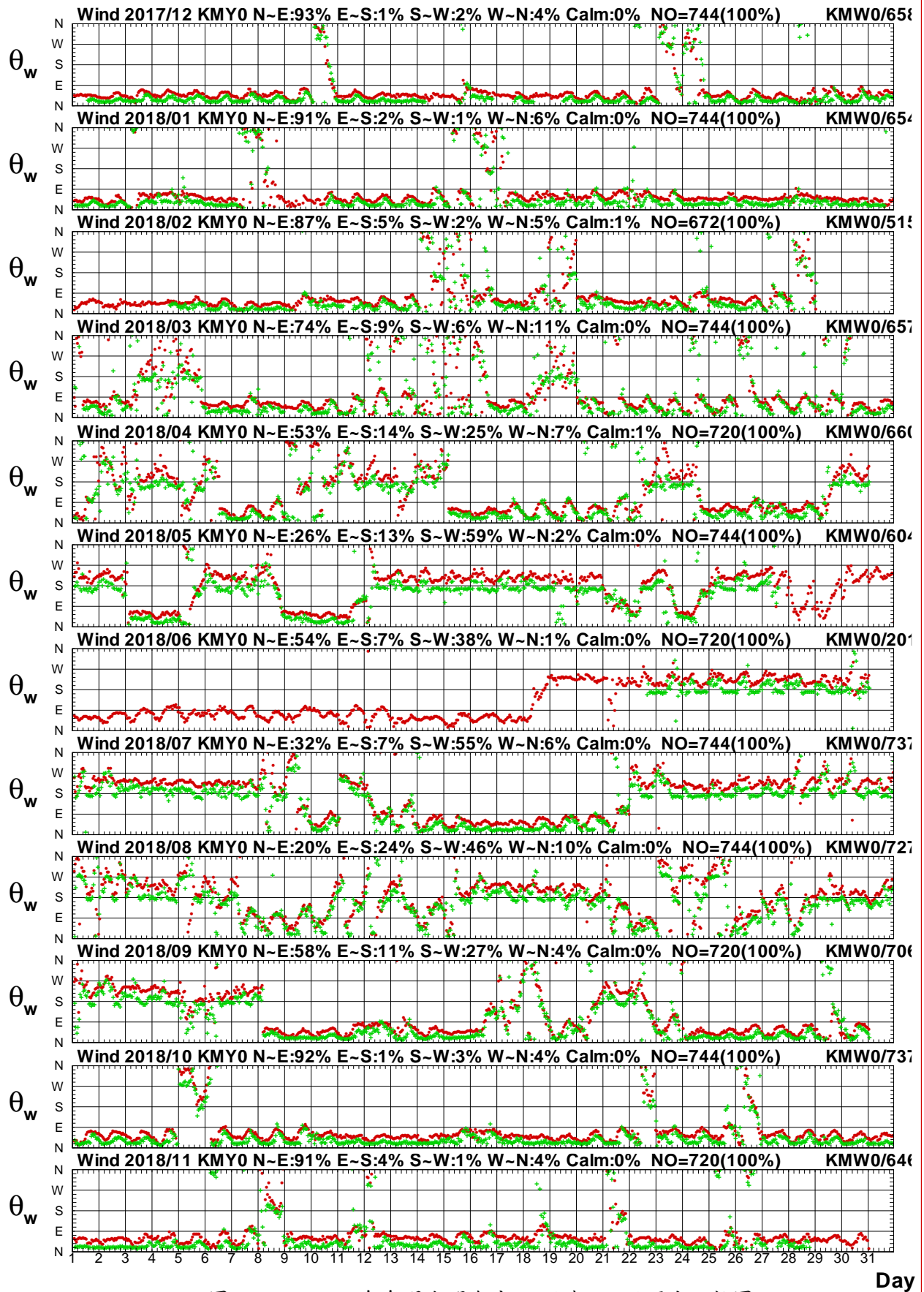


圖1.3.1b 2018年每月金門海域 Y 站與 W 站風向比較圖

W17CKMY0.1HA W17CKMW0.1H0 W181KMY0.1HA W181KMW0.1H0 W182KMY0.1HA W182KMW0.1H0
 W183KMY0.1HA W183KMW0.1H0 W184KMY0.1HA W184KMW0.1H0 W185KMY0.1HA W185KMW0.1H0
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Wind Speed in Kin-Men seas of KMY0 at 2018

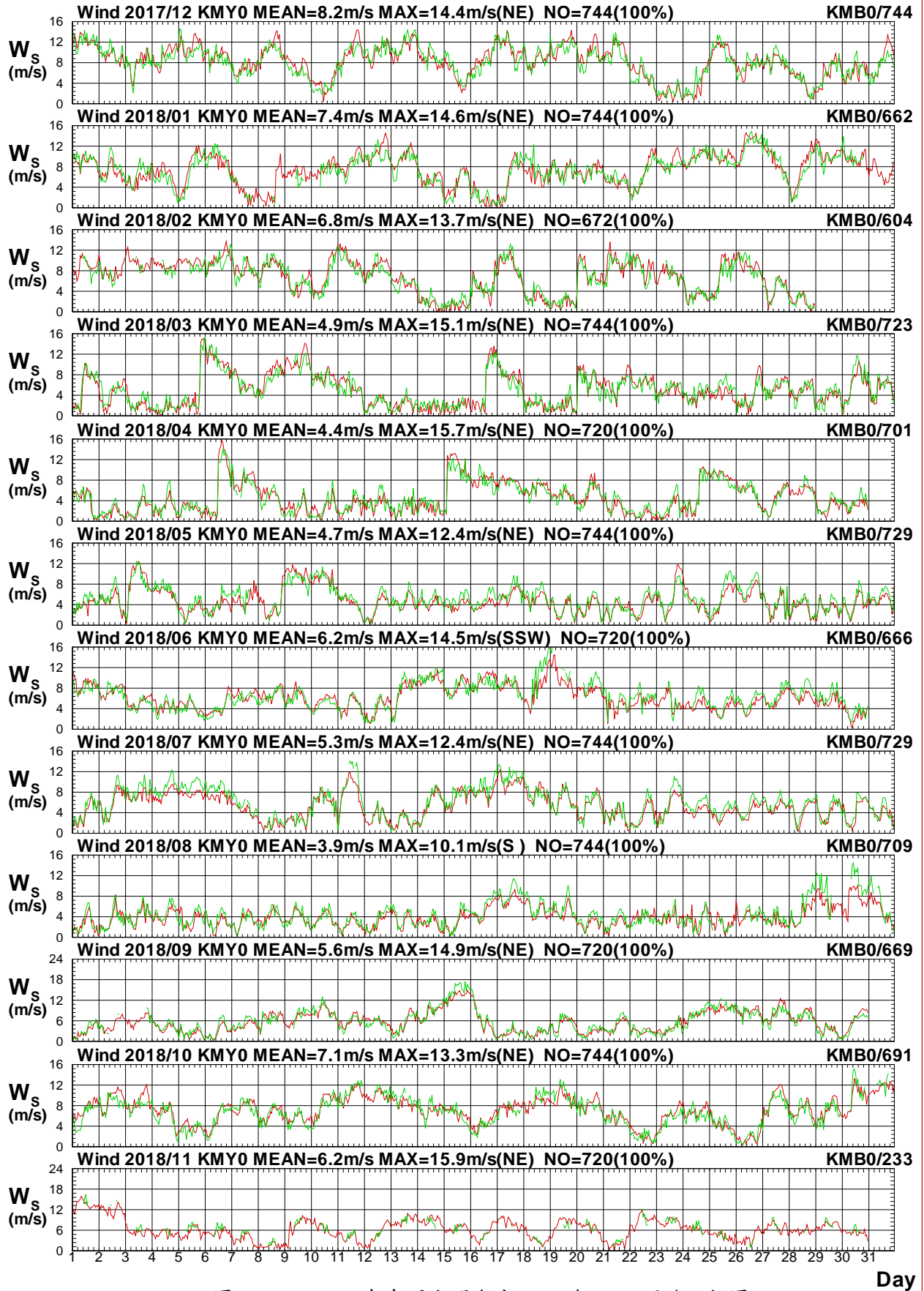


圖1.3.2a 2018年每月金門海域 Y 站與 B 站風速比較圖

W17CKMY0.1HA W17CKMB0.1H0 W181KMY0.1HA W181KMB0.1H0 W182KMY0.1HA W182KMB0.1H0
 W183KMY0.1HA W183KMB0.1H0 W184KMY0.1HA W184KMB0.1H0 W185KMY0.1HA W185KMB0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

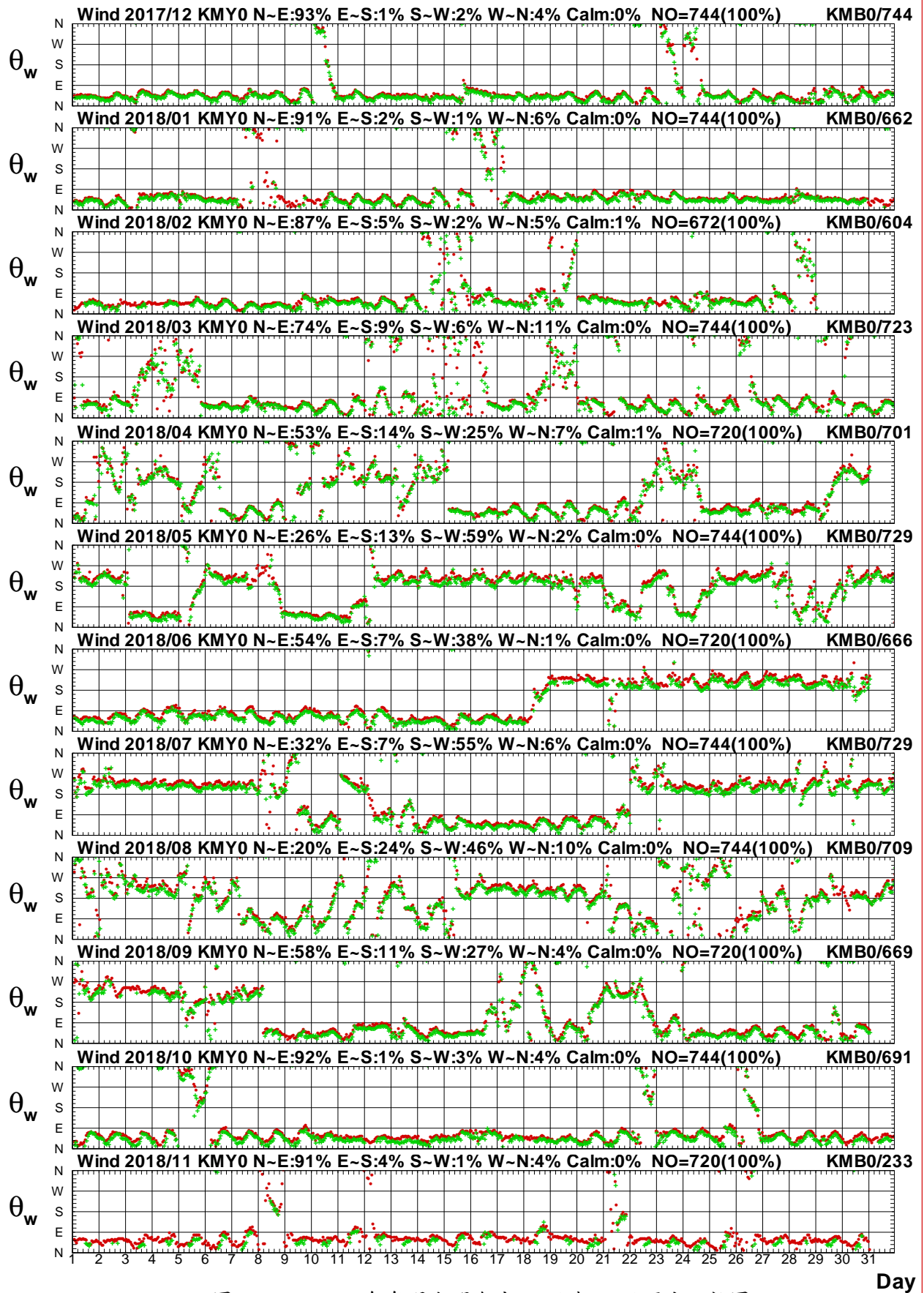


圖1.3.2b 2018年每月金門海域 Y 站與 B 站風向比較圖

W17CKMY0.1HA W17CKMB0.1H0 W181KMY0.1HA W181KMB0.1H0 W182KMY0.1HA W182KMB0.1H0
 W183KMY0.1HA W183KMB0.1H0 W184KMY0.1HA W184KMB0.1H0 W185KMY0.1HA W185KMB0.1H0

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Wind Speed in Kin-Men seas of KMY0 at 2018

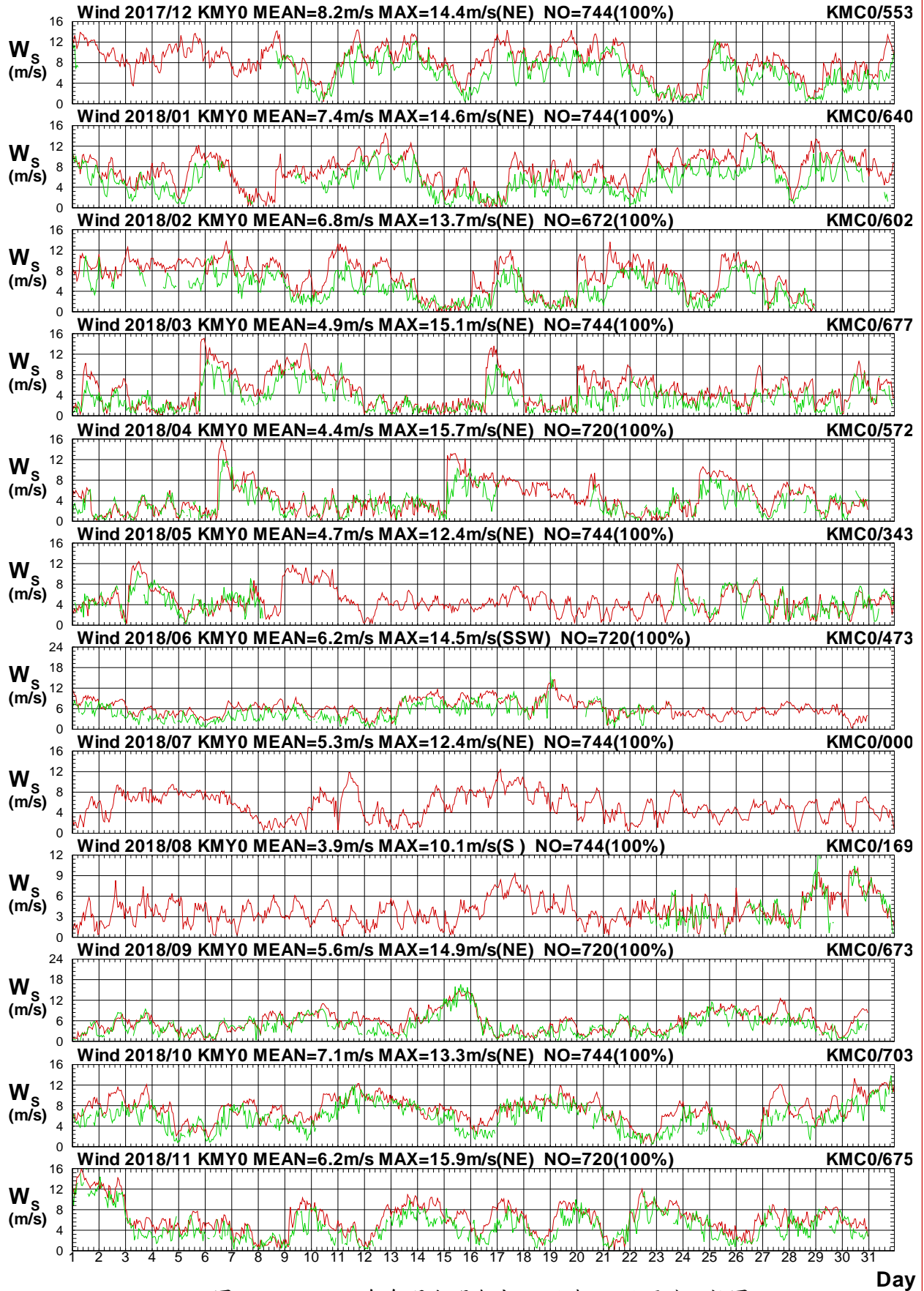


圖1.3.3a 2018年每月金門海域 Y 站與 C 站風速比較圖

W17CKMY0.1HA W17CKMC0.1H0 W181KMY0.1HA W181KMC0.1H0 W182KMY0.1HA W182KMC0.1H0
 W183KMY0.1HA W183KMC0.1H0 W184KMY0.1HA W184KMC0.1H0 W185KMY0.1HA W185KMC0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

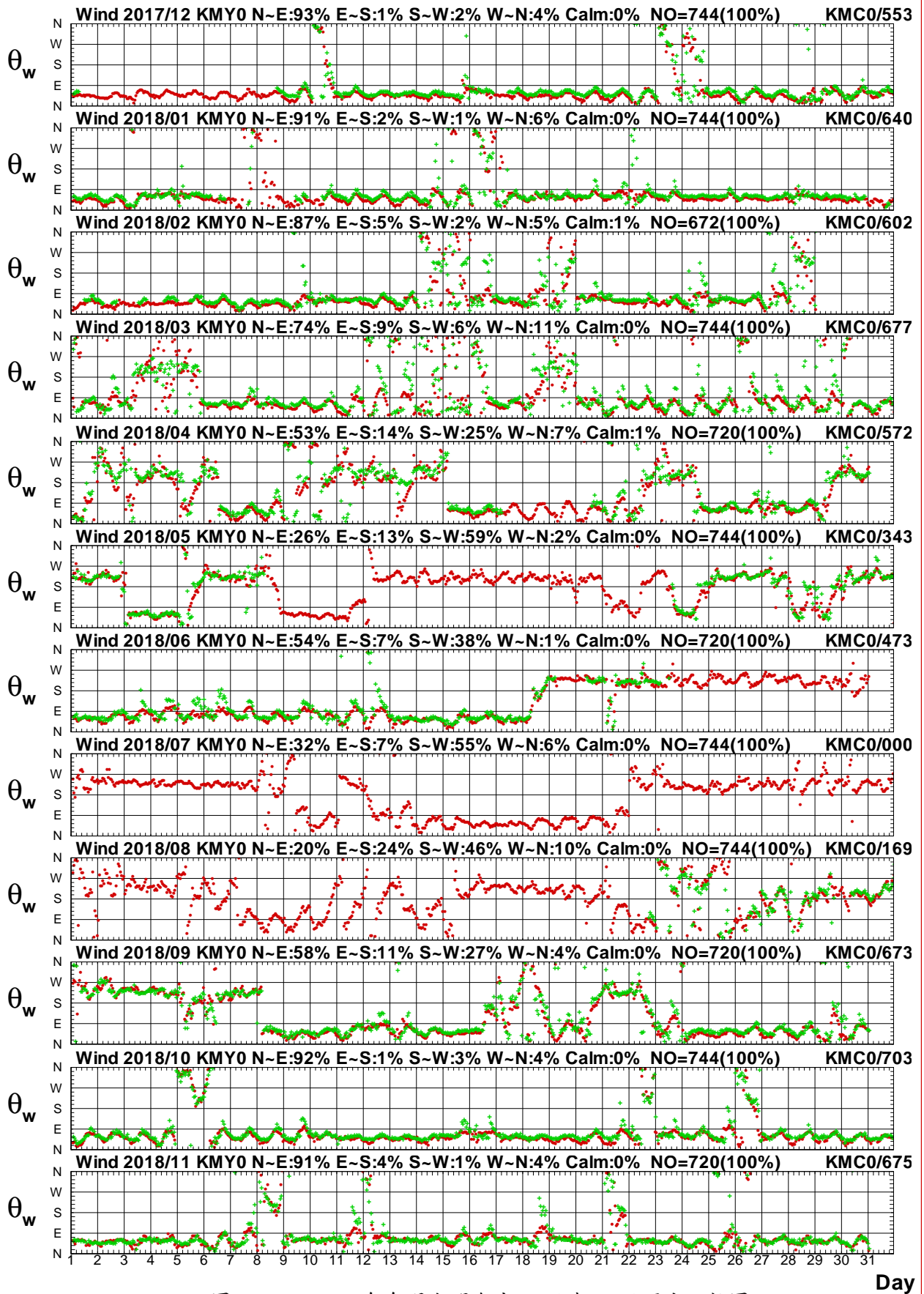


圖1.3.3b 2018年每月金門海域 Y 站與 C 站風向比較圖

W17CKMY0.1HA W17CKMCO.1HO W181KMY0.1HA W181KMC0.1HO W182KMY0.1HA W182KMC0.1HO
 W183KMY0.1HA W183KMC0.1HO W184KMY0.1HA W184KMC0.1HO W185KMY0.1HA W185KMC0.1HO

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Wind Speed in Kin-Men seas of KMY0 at 2018

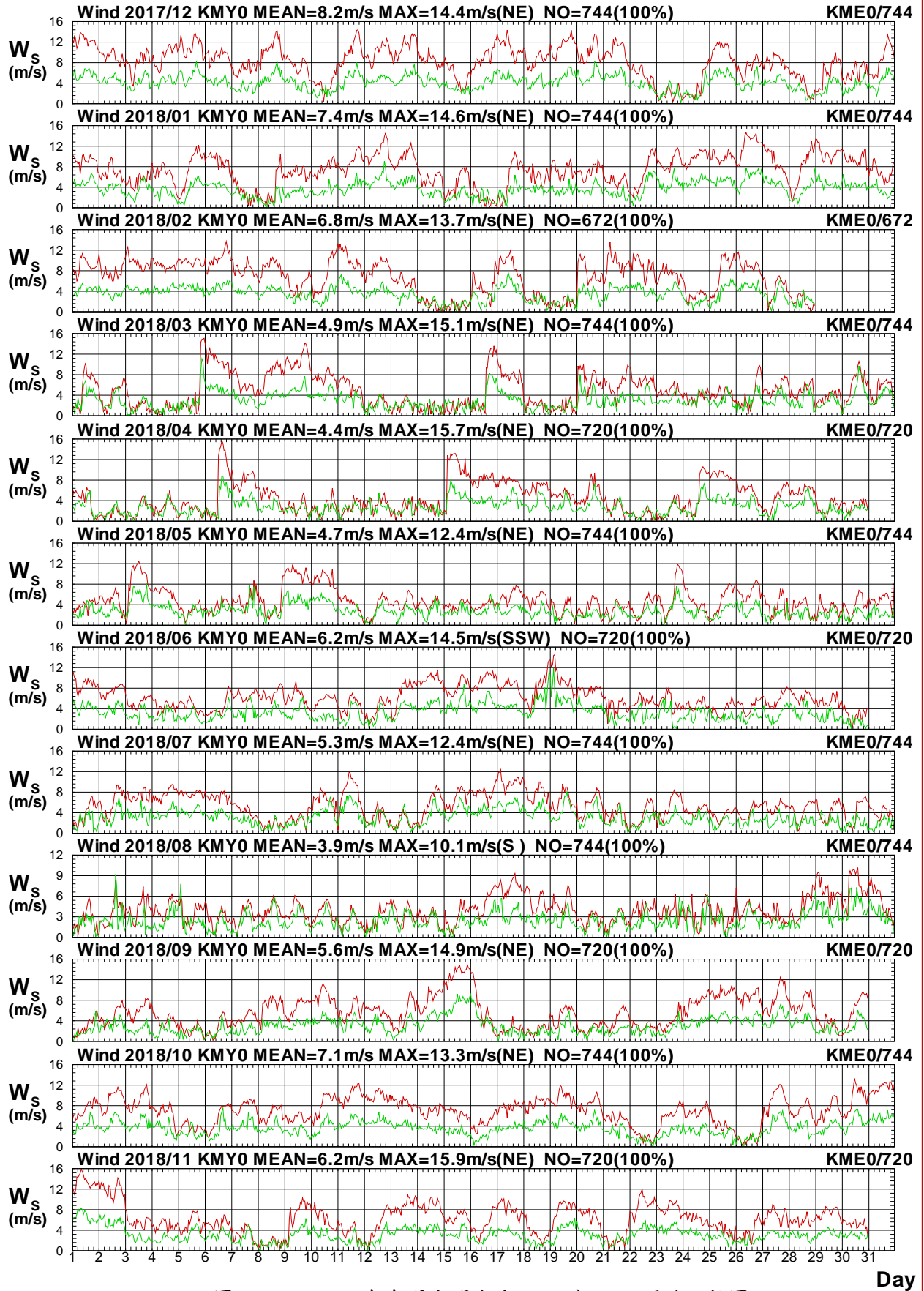


圖1.3.4a 2018年每月金門海域 Y 站與 E 站風速比較圖

W17CKMY0.1HA W17CKME0.1H0 W181KMY0.1HA W181KME0.1H0 W182KMY0.1HA W182KME0.1H0
 W183KMY0.1HA W183KME0.1H0 W184KMY0.1HA W184KME0.1H0 W185KMY0.1HA W185KME0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

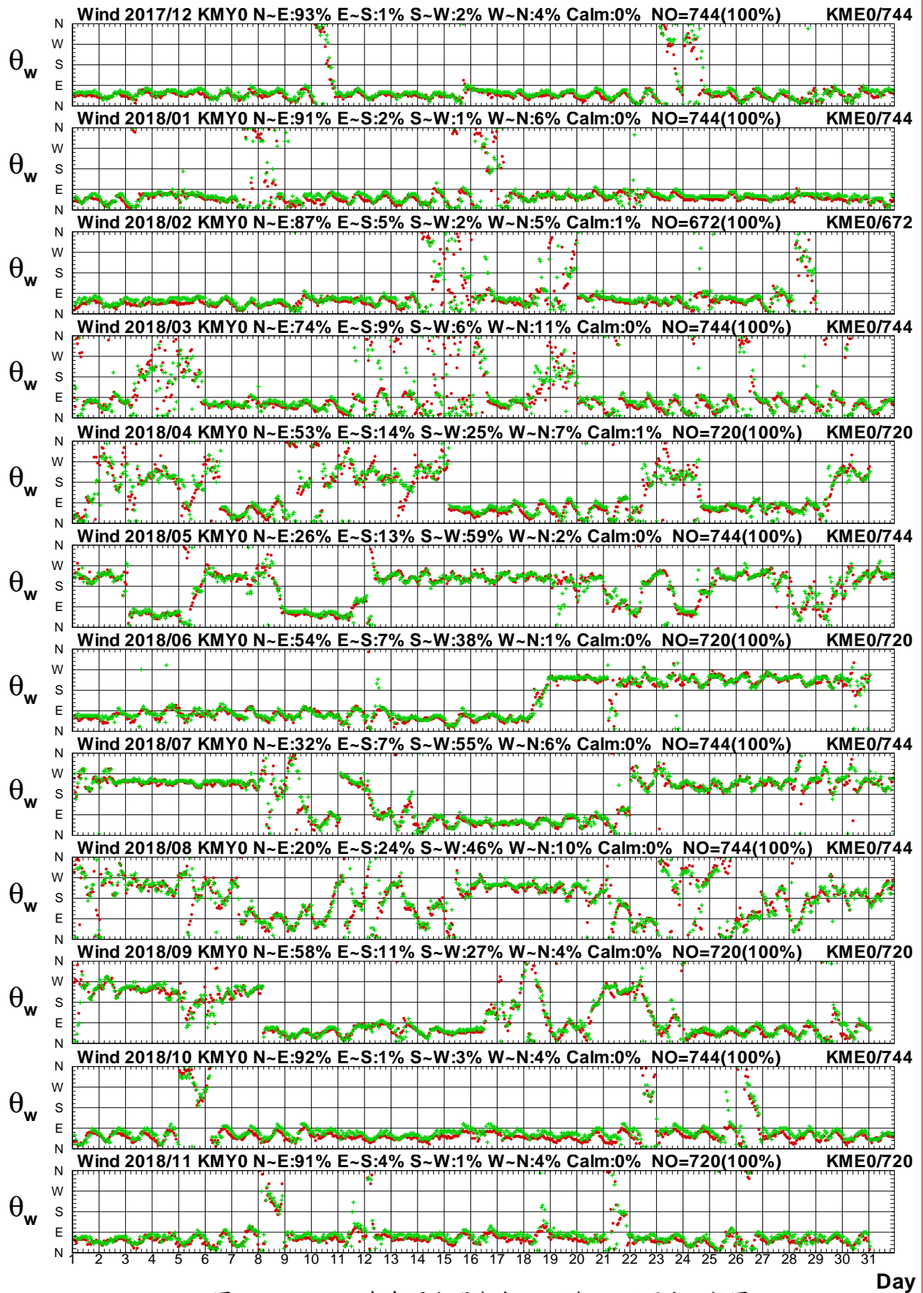


圖1.3.4b 2018年每月金門海域 Y 站與 E 站風向比較圖

W17CKMY0.1HA W17CKME0.1H0 W181KMY0.1HA W181KME0.1H0 W182KMY0.1HA W182KME0.1H0
 W183KMY0.1HA W183KME0.1H0 W184KMY0.1HA W184KME0.1H0 W185KMY0.1HA W185KME0.1H0

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Wind Speed in Kin-Men seas of KMY0 at 2018

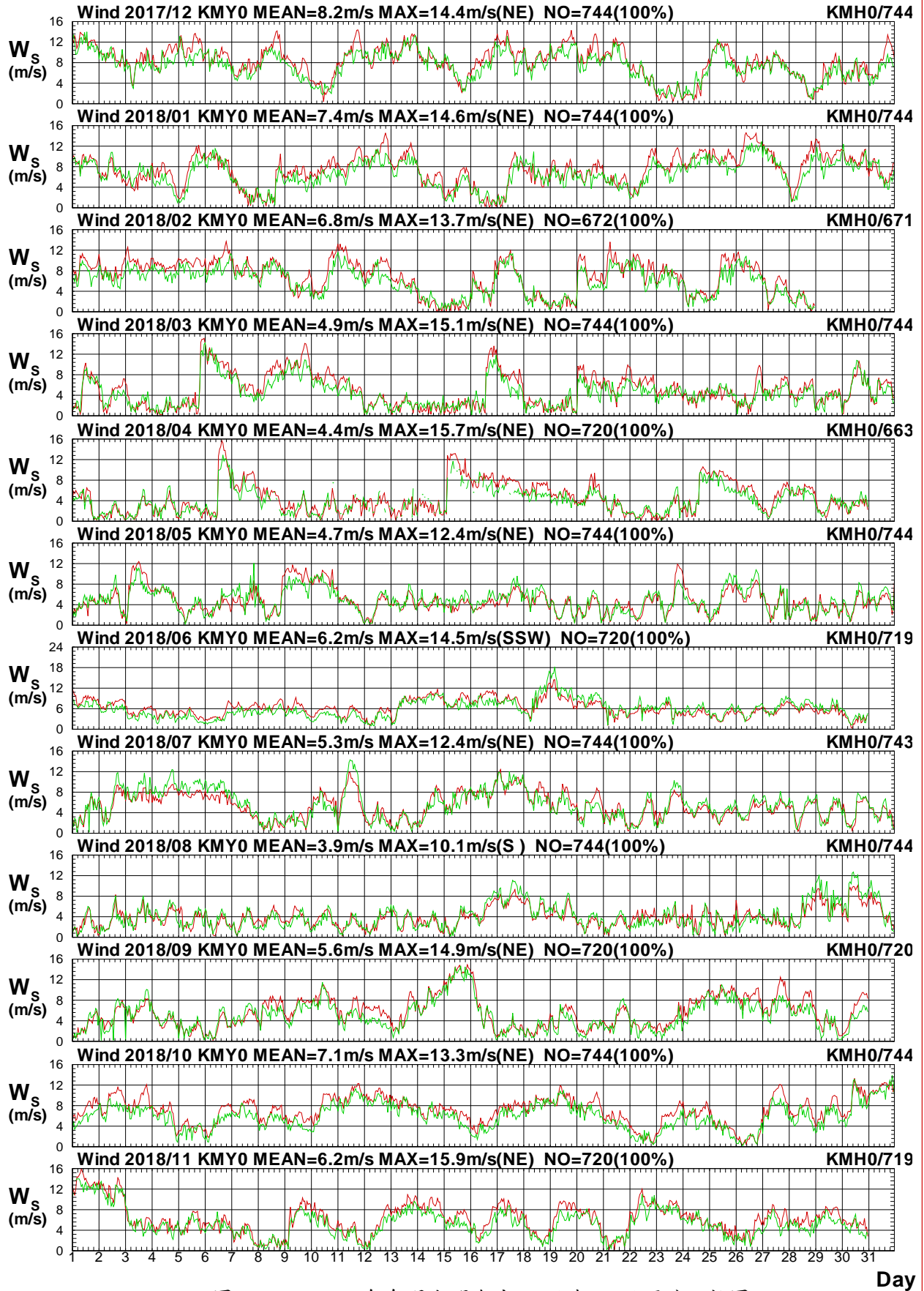


圖1.3.5a 2018年每月金門海域 Y 站與 H 站風速比較圖

W17CKMY0.1HA W17CKMH0.1H0 W181KMY0.1HA W181KMH0.1H0 W182KMY0.1HA W182KMH0.1H0
 W183KMY0.1HA W183KMH0.1H0 W184KMY0.1HA W184KMH0.1H0 W185KMY0.1HA W185KMH0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

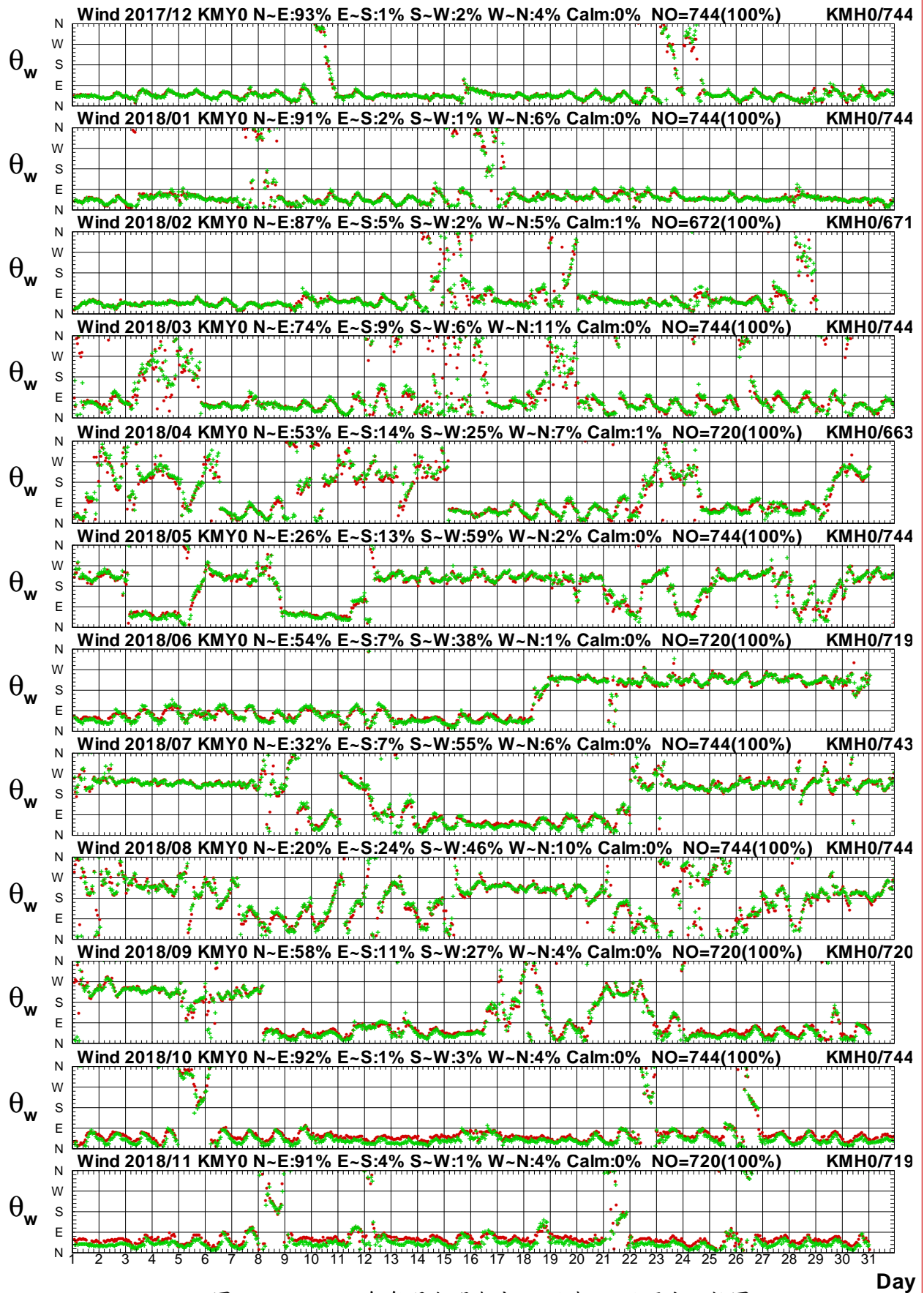


圖1.3.5b 2018年每月金門海域 Y 站與 H 站風向比較圖

W17CKMY0.1HA W17CKMH0.1H0 W181KMY0.1HA W181KMH0.1H0 W182KMY0.1HA W182KMH0.1H0
 W183KMY0.1HA W183KMH0.1H0 W184KMY0.1HA W184KMH0.1H0 W185KMY0.1HA W185KMH0.1H0

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Wind Speed in Kin-Men seas of KMY0 at 2018

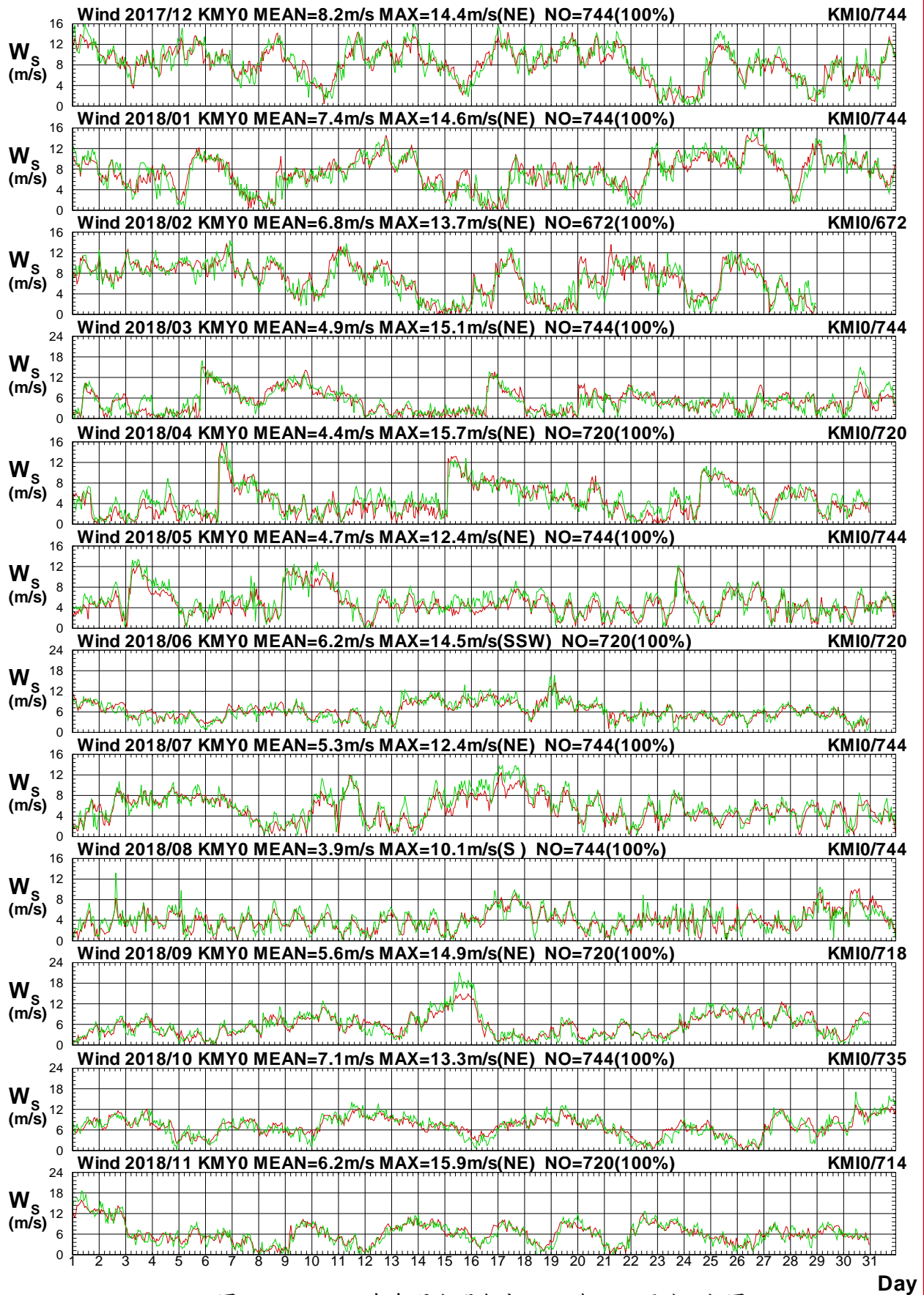


圖1.3.6a 2018年每月金門海域 Y 站與 I 站風速比較圖

W17CKMY0.1HA W17CKMI0.1HO W181KMY0.1HA W181KMI0.1HO W182KMY0.1HA W182KMI0.1HO
 W183KMY0.1HA W183KMI0.1HO W184KMY0.1HA W184KMI0.1HO W185KMY0.1HA W185KMI0.1HO

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Wind Direction in Kin-Men seas of KMY0 at 2018

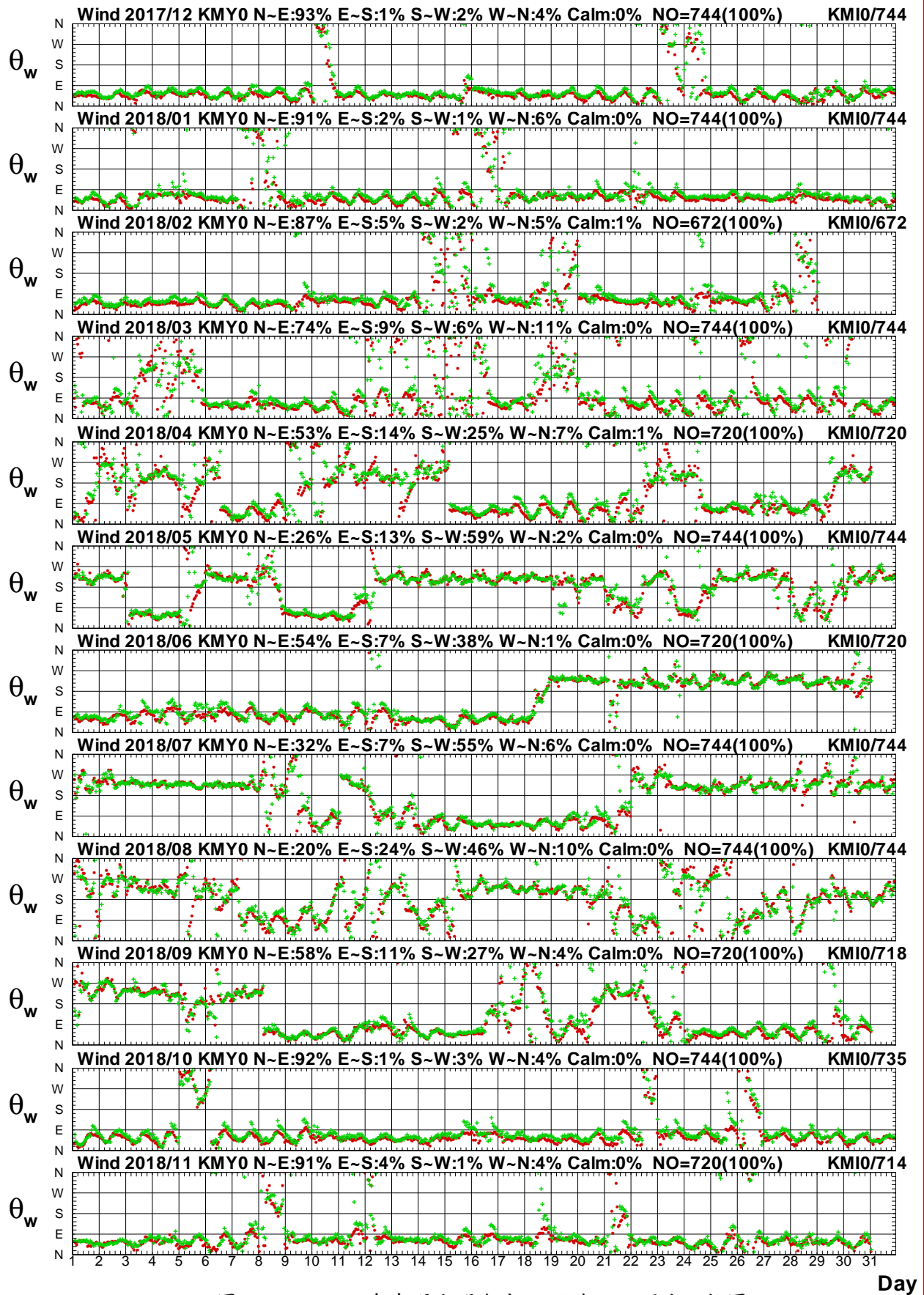


圖1.3.6b 2018年每月金門海域 Y 站與 I 站風向比較圖

W17CKMY0.1HA W17CKMI0.1HO W181KMY0.1HA W181KMI0.1HO W182KMY0.1HA W182KMI0.1HO
 W183KMY0.1HA W183KMI0.1HO W184KMY0.1HA W184KMI0.1HO W185KMY0.1HA W185KMI0.1HO

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Wind Speed in Kin-Men seas of KMY0 at 2018

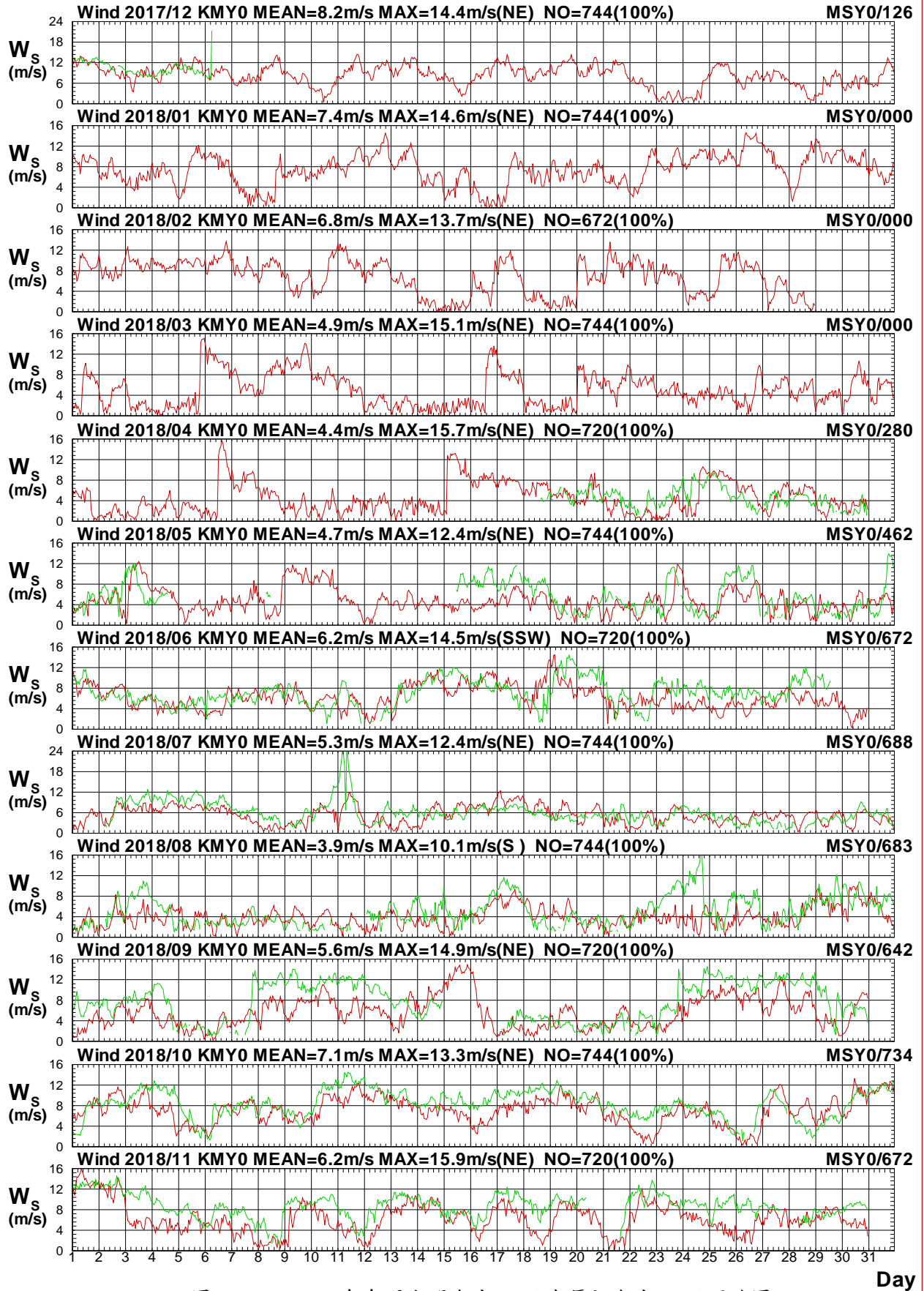


圖1.3.7a 2018年每月金門海域 Y 站與馬祖海域 Y 站風速圖

W17CKMY0.1HA W17CMSY0.1H0 W181KMY0.1HA W181MSY0.1H0 W182KMY0.1HA W182MSY0.1H0
 W183KMY0.1HA W183MSY0.1H0 W184KMY0.1HA W184MSY0.1H0 W185KMY0.1HA W185MSY0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

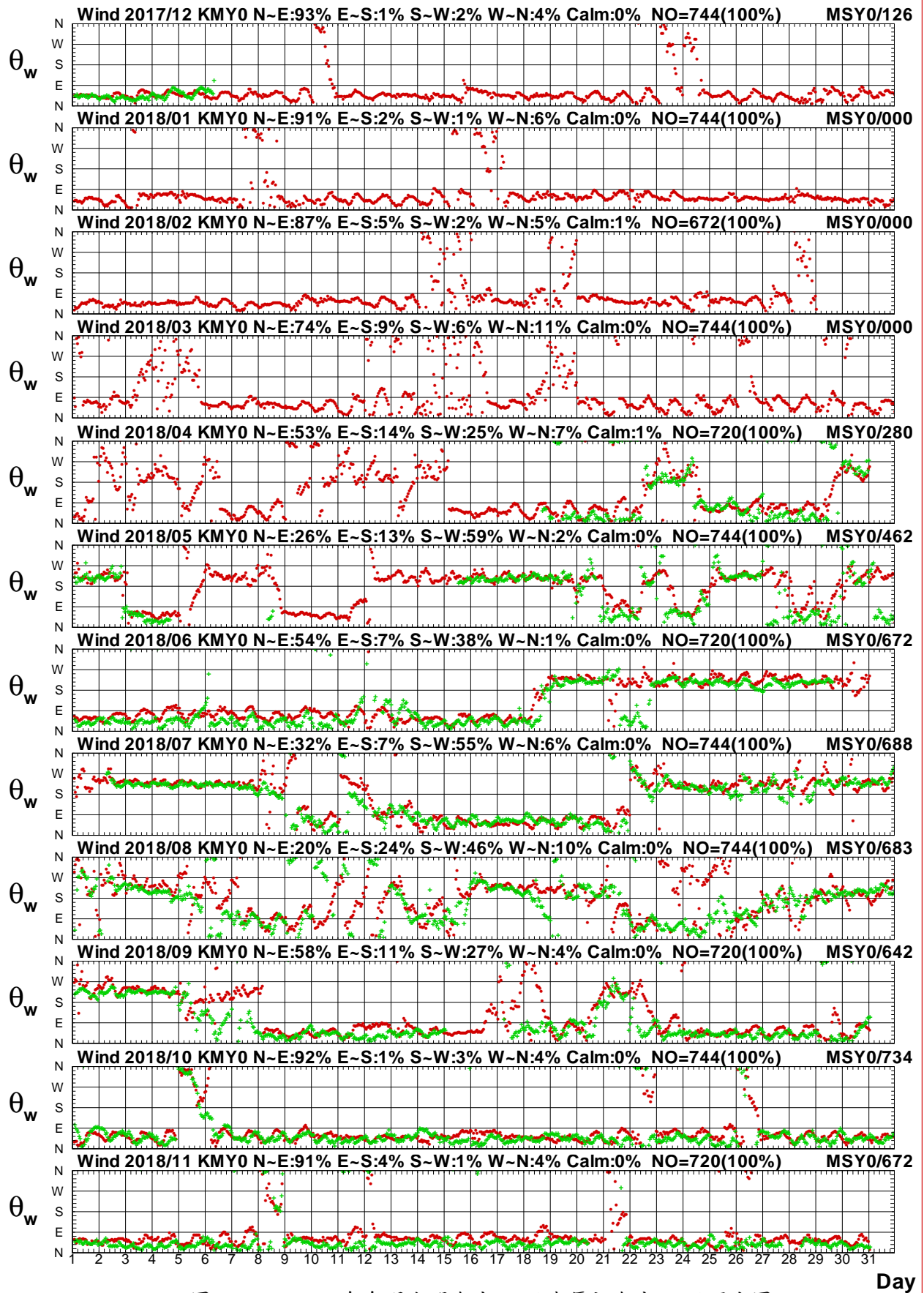


圖1.3.7b 2018年每月金門海域 Y 站與馬祖海域 Y 站風向圖

W17CKMY0.1HA W17CMSY0.1H0 W181KMY0.1HA W181MSY0.1H0 W182KMY0.1HA W182MSY0.1H0
 W183KMY0.1HA W183MSY0.1H0 W184KMY0.1HA W184MSY0.1H0 W185KMY0.1HA W185MSY0.1H0

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Wind Speed in Kin-Men seas of KMY0 at 2018

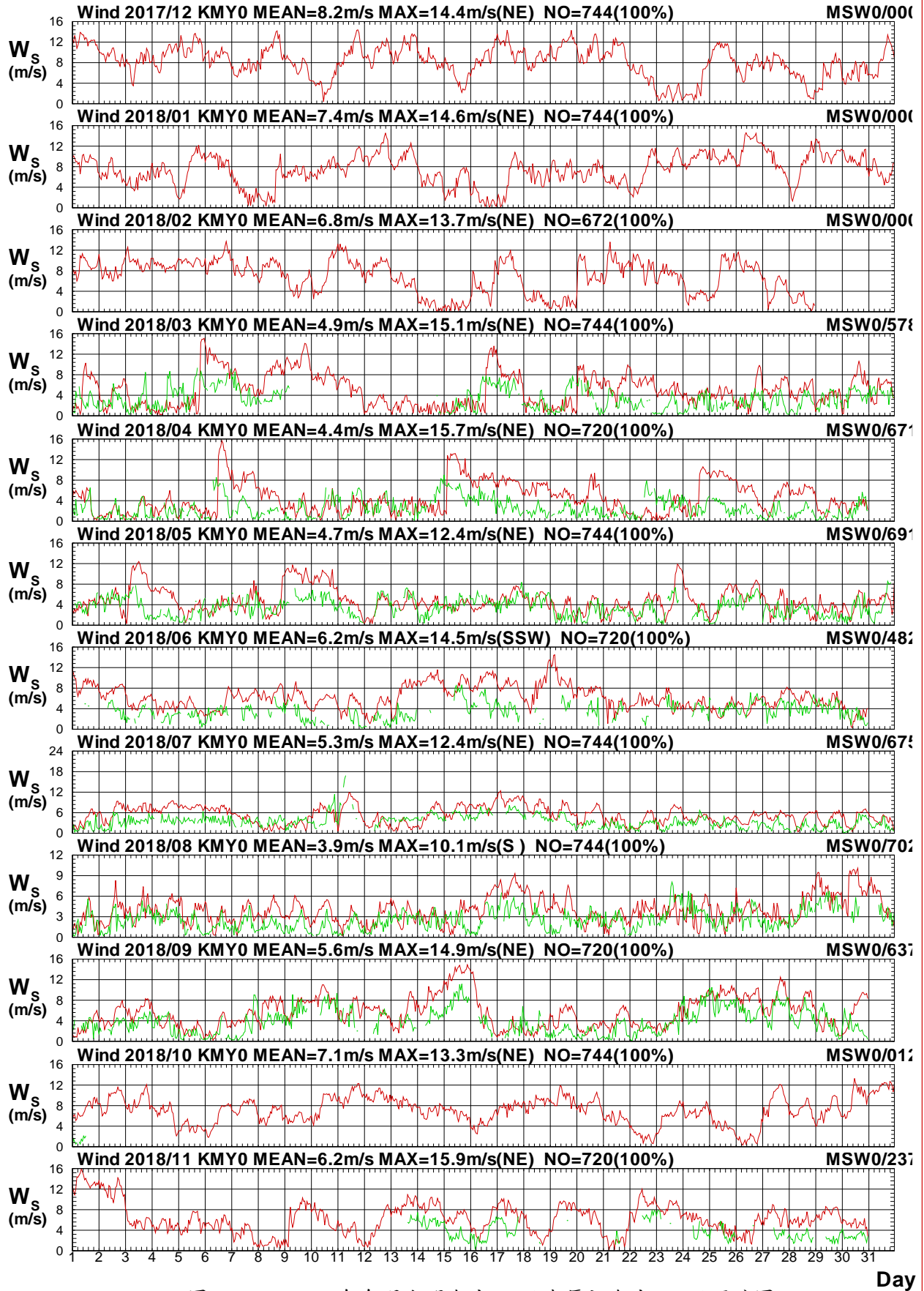


圖1.3.8a 2018年每月金門海域 Y 站與馬祖海域 W 站風速圖

W17CKMY0.1HA W17CMSW0.1H0 W181KMY0.1HA W181MSW0.1H0 W182KMY0.1HA W182MSW0.1H0
 W183KMY0.1HA W183MSW0.1H0 W184KMY0.1HA W184MSW0.1H0 W185KMY0.1HA W185MSW0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

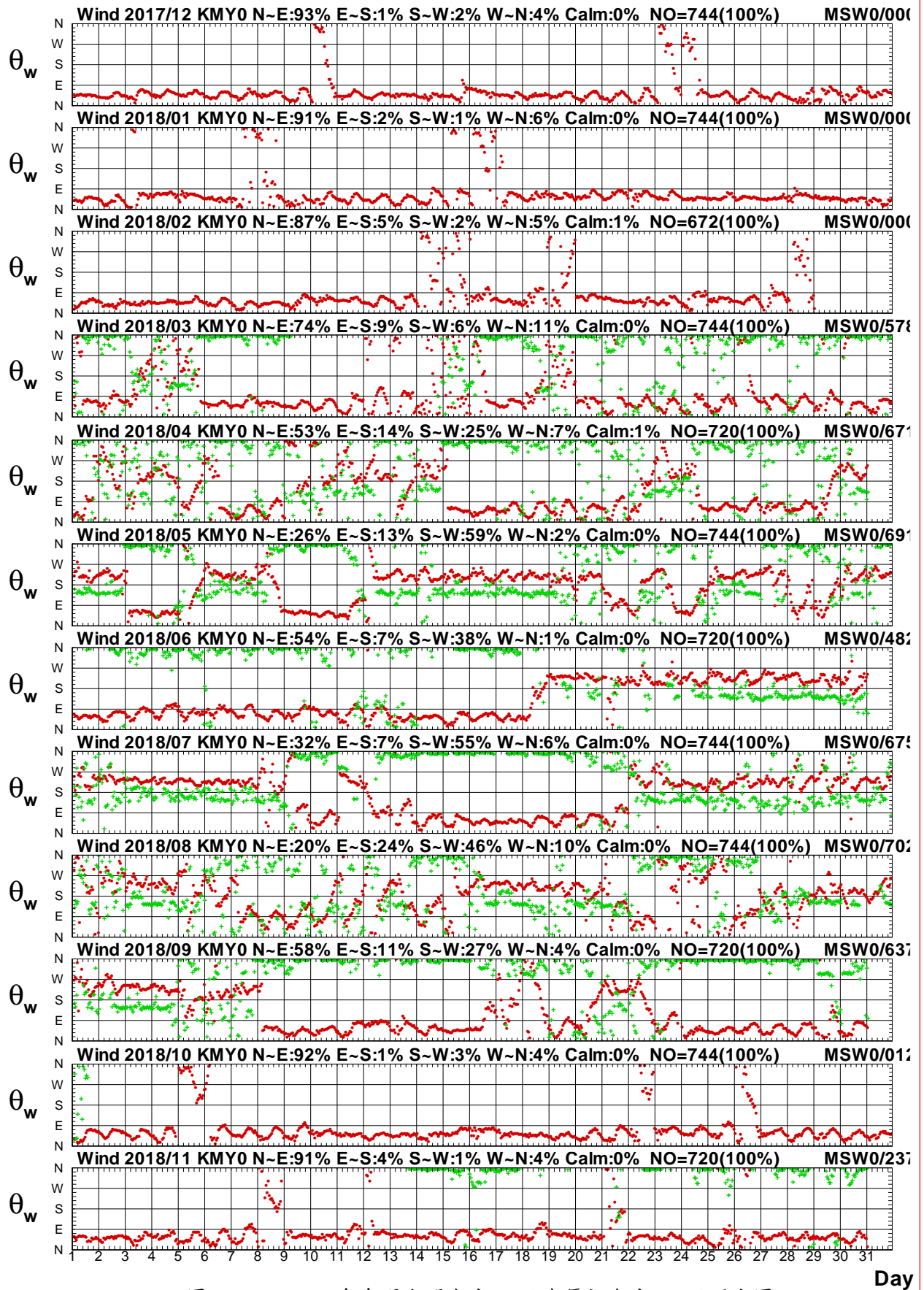


圖1.3.8b 2018年每月金門海域 Y 站與馬祖海域 W 站風向圖

W17CKMY0.1HA W17CMSW0.1H0 W181KMY0.1HA W181MSW0.1H0 W182KMY0.1HA W182MSW0.1H0
 W183KMY0.1HA W183MSW0.1H0 W184KMY0.1HA W184MSW0.1H0 W185KMY0.1HA W185MSW0.1H0

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Wind Speed in Kin-Men seas of KMY0 at 2018

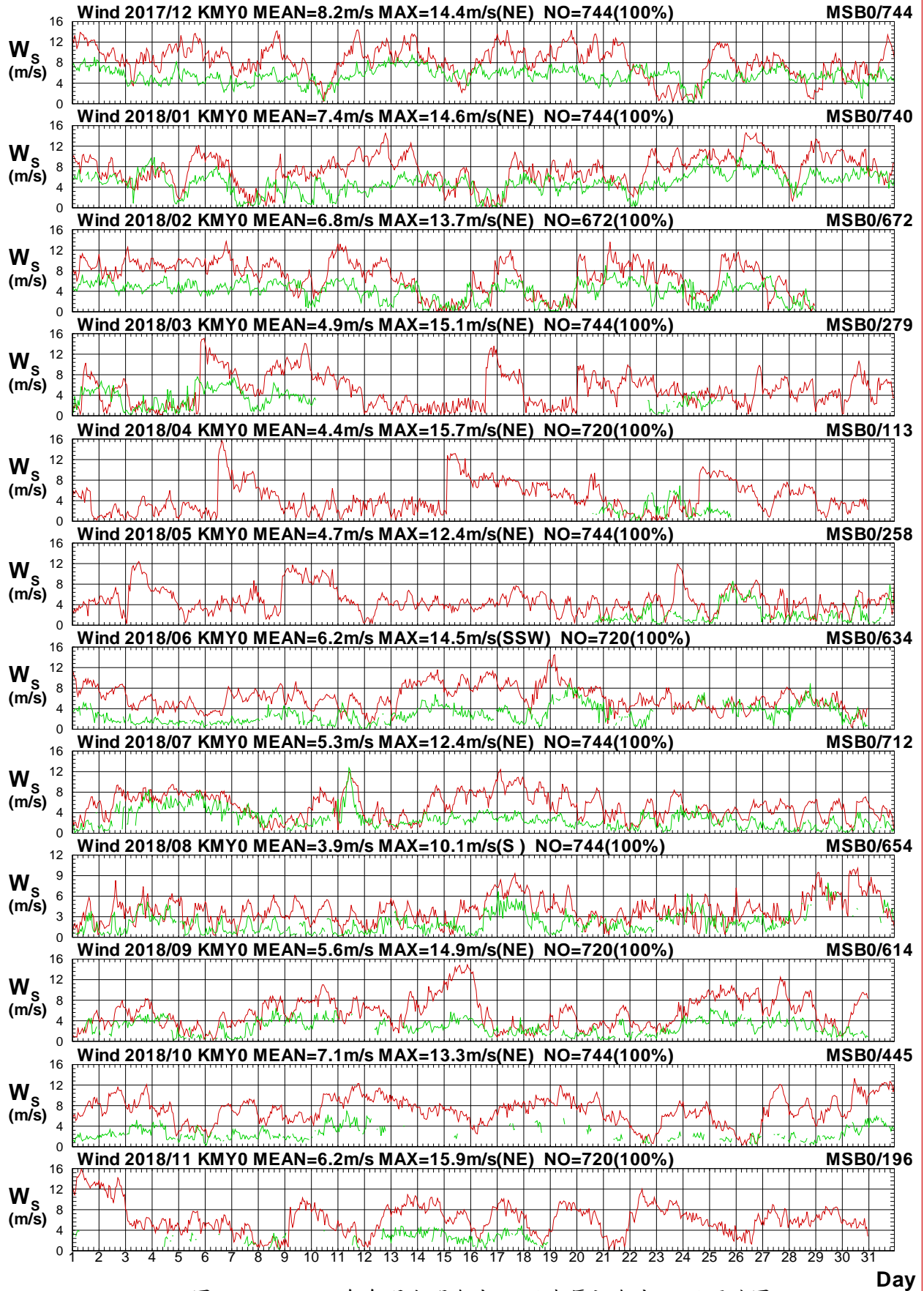


圖1.3.9a 2018年每月金門海域 Y 站與馬祖海域 B 站風速圖

W17CKMY0.1HA W17CMSB0.1H0 W181KMY0.1HA W181MSB0.1H0 W182KMY0.1HA W182MSB0.1H0
 W183KMY0.1HA W183MSB0.1H0 W184KMY0.1HA W184MSB0.1H0 W185KMY0.1HA W185MSB0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

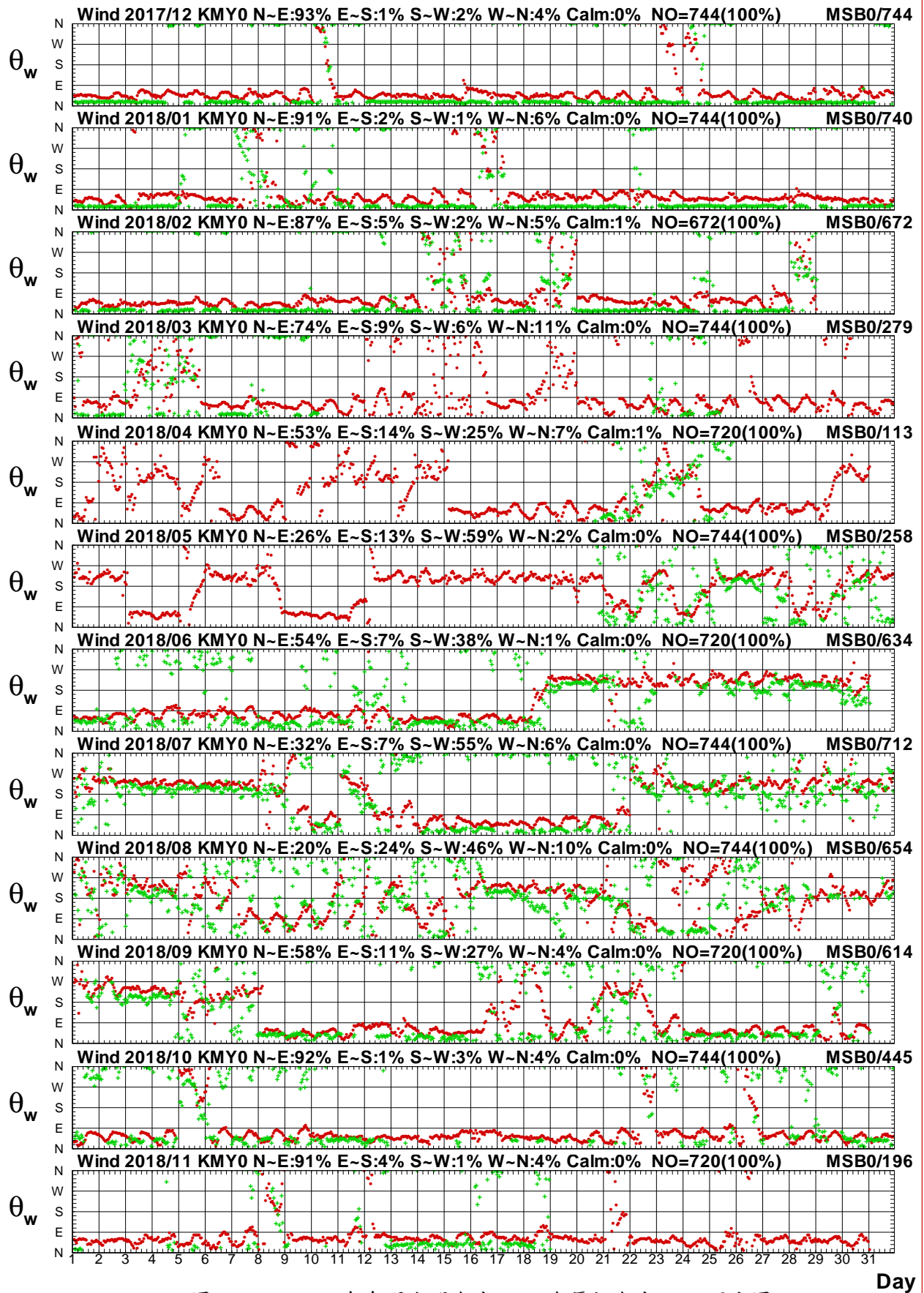


圖1.3.9b 2018年每月金門海域 Y 站與馬祖海域 B 站風向圖

W17CKMY0.1HA W17CMSB0.1H0 W181KMY0.1HA W181MSB0.1H0 W182KMY0.1HA W182MSB0.1H0
 W183KMY0.1HA W183MSB0.1H0 W184KMY0.1HA W184MSB0.1H0 W185KMY0.1HA W185MSB0.1H0

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Wind Speed in Kin-Men seas of KMY0 at 2018

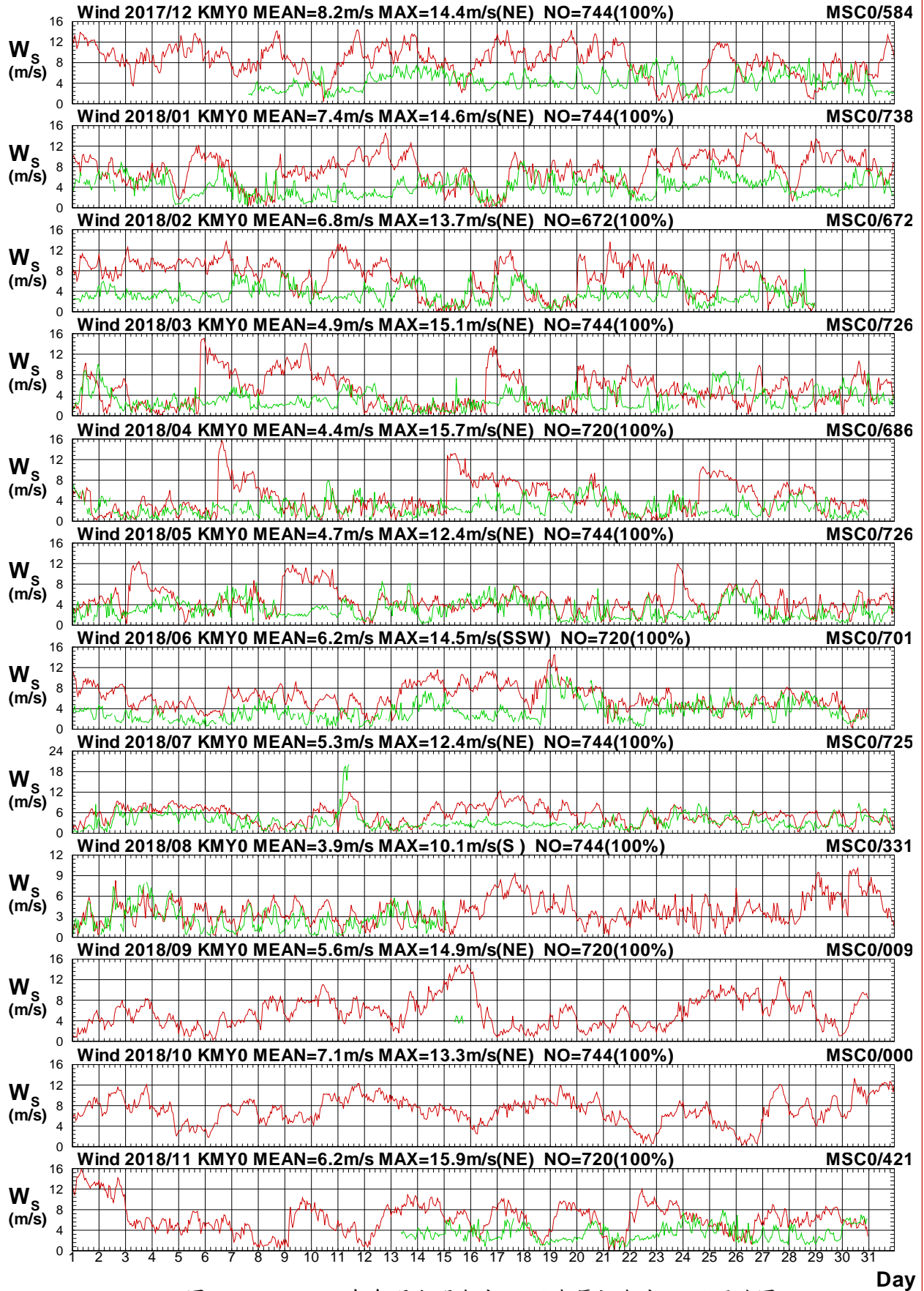


圖1.3.10a 2018年每月金門海域 Y 站與馬祖海域 C 站風速圖

W17CKMY0.1HA W17CMSC0.1H0 W181KMY0.1HA W181MSC0.1H0 W182KMY0.1HA W182MSC0.1H0
 W183KMY0.1HA W183MSC0.1H0 W184KMY0.1HA W184MSC0.1H0 W185KMY0.1HA W185MSC0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

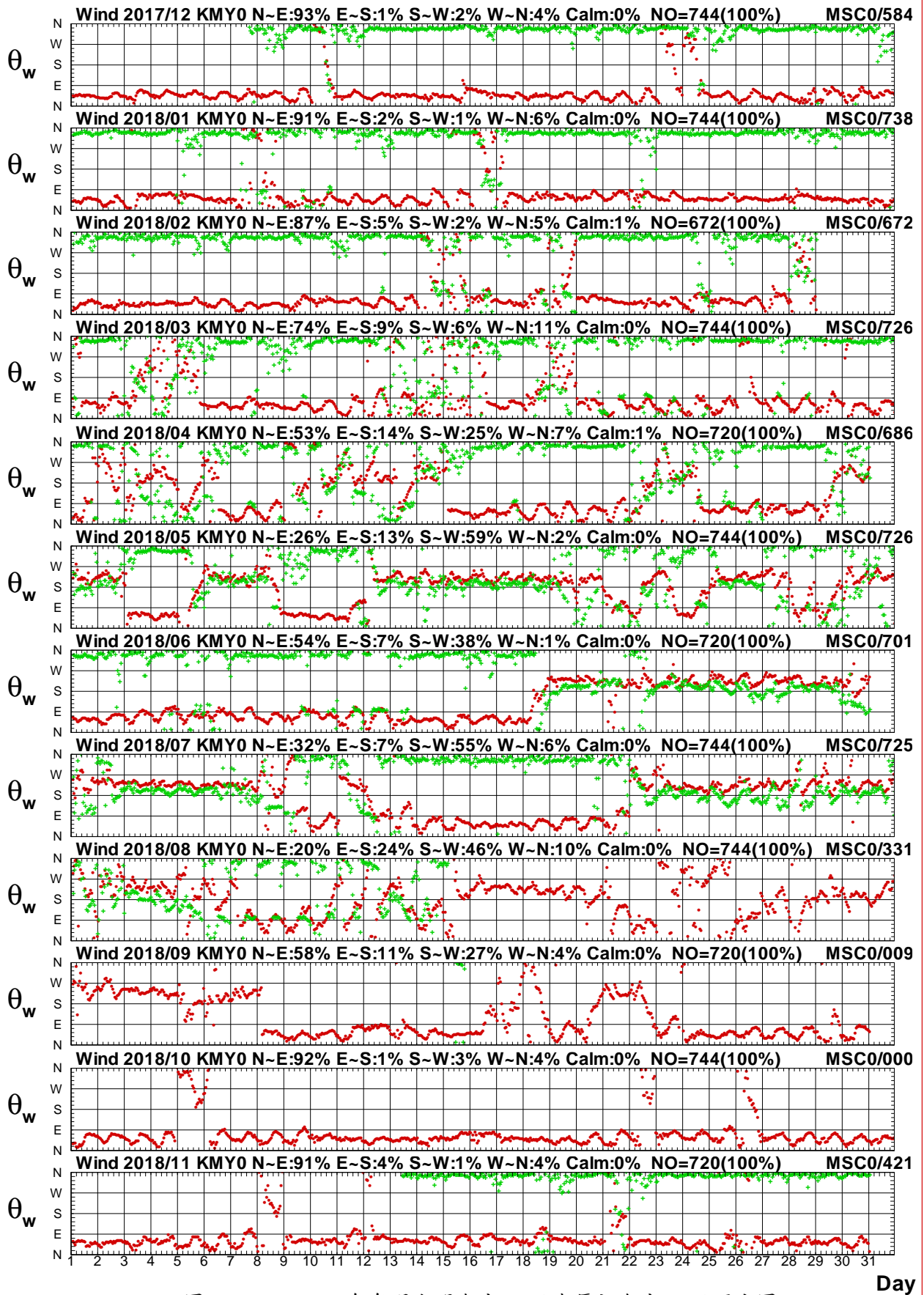


圖 1.3.10b 2018年每月金門海域 Y 站與馬祖海域 C 站風向圖

W17CKMY0.1HA W17CMSC0.1H0 W181KMY0.1HA W181MSC0.1H0 W182KMY0.1HA W182MSC0.1H0
 W183KMY0.1HA W183MSC0.1H0 W184KMY0.1HA W184MSC0.1H0 W185KMY0.1HA W185MSC0.1H0

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Wind Speed in Kin-Men seas of KMY0 at 2018

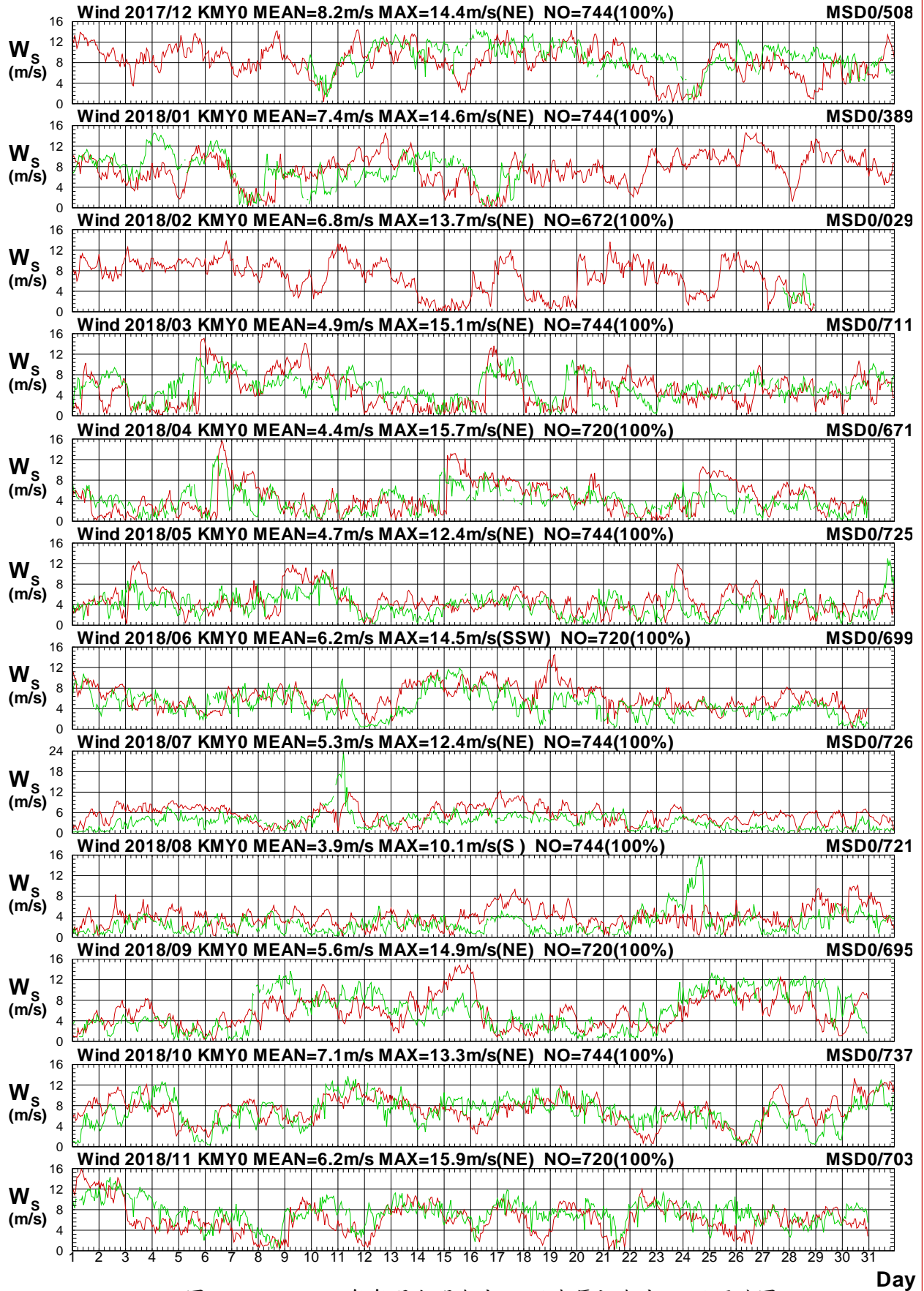


圖1.3.11a 2018年每月金門海域 Y 站與馬祖海域 D 站風速圖

W17CKMY0.1HA W17CMSD0.1H0 W181KMY0.1HA W181MSD0.1H0 W182KMY0.1HA W182MSD0.1H0
 W183KMY0.1HA W183MSD0.1H0 W184KMY0.1HA W184MSD0.1H0 W185KMY0.1HA W185MSD0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

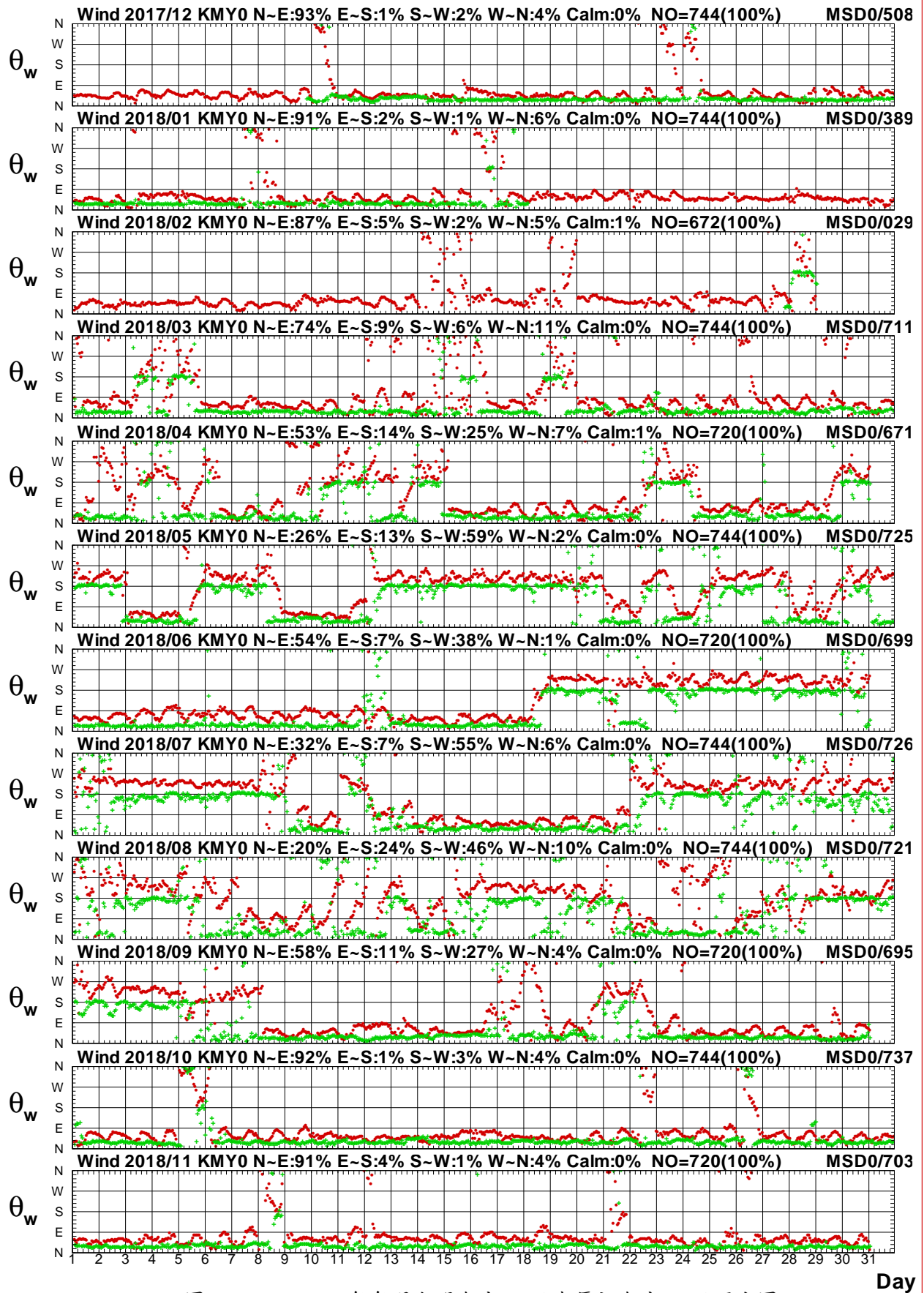


圖1.3.11b 2018年每月金門海域 Y 站與馬祖海域 D 站風向圖

W17CKMY0.1HA W17CMSD0.1H0 W181KMY0.1HA W181MSD0.1H0 W182KMY0.1HA W182MSD0.1H0
 W183KMY0.1HA W183MSD0.1H0 W184KMY0.1HA W184MSD0.1H0 W185KMY0.1HA W185MSD0.1H0

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Wind Speed in Kin-Men seas of KMY0 at 2018

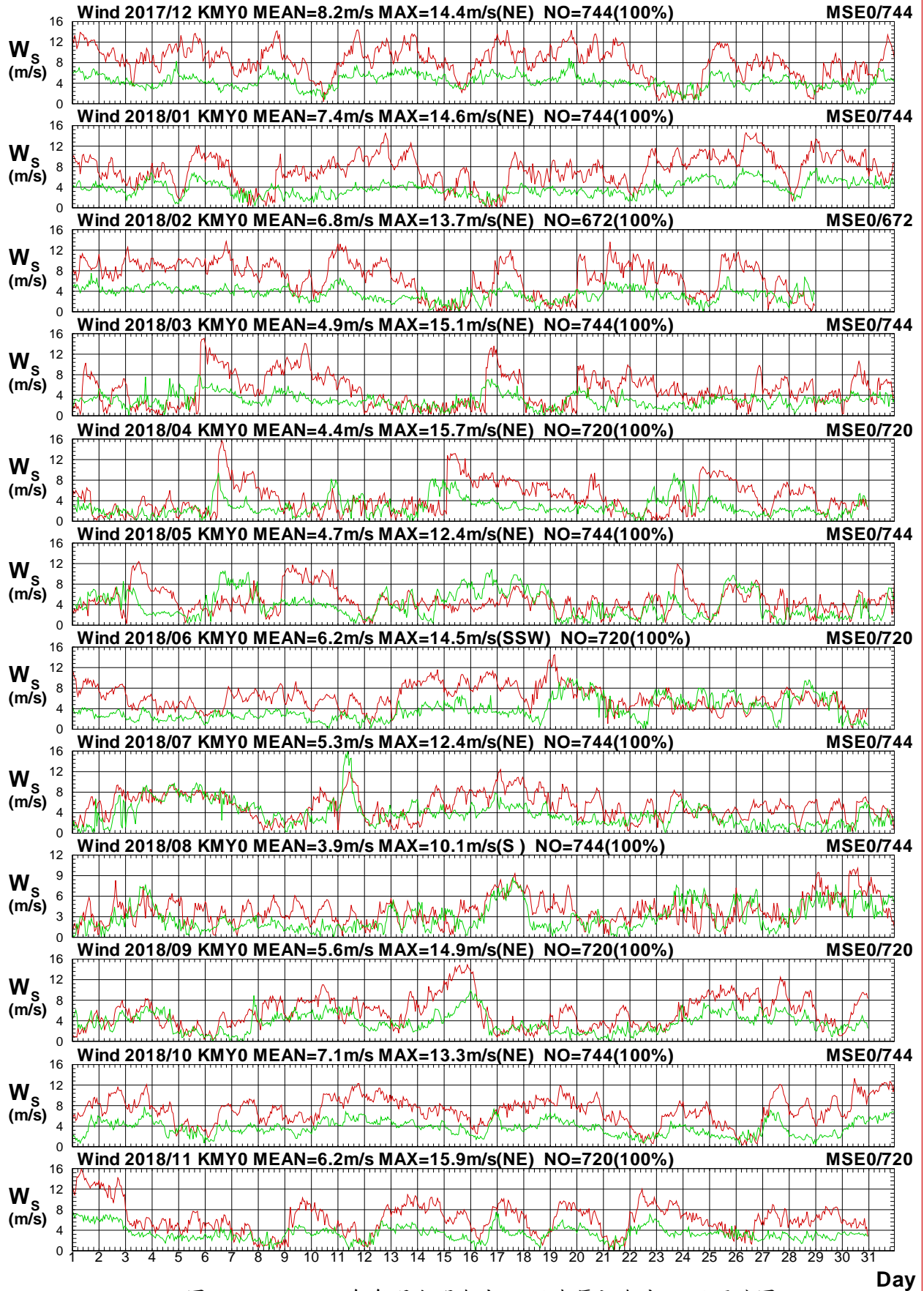


圖 1.3.12a 2018年每月金門海域 Y 站與馬祖海域 E 站風速圖

W17CKMY0.1HA W17CMSE0.1H0 W181KMY0.1HA W181MSE0.1H0 W182KMY0.1HA W182MSE0.1H0
 W183KMY0.1HA W183MSE0.1H0 W184KMY0.1HA W184MSE0.1H0 W185KMY0.1HA W185MSE0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

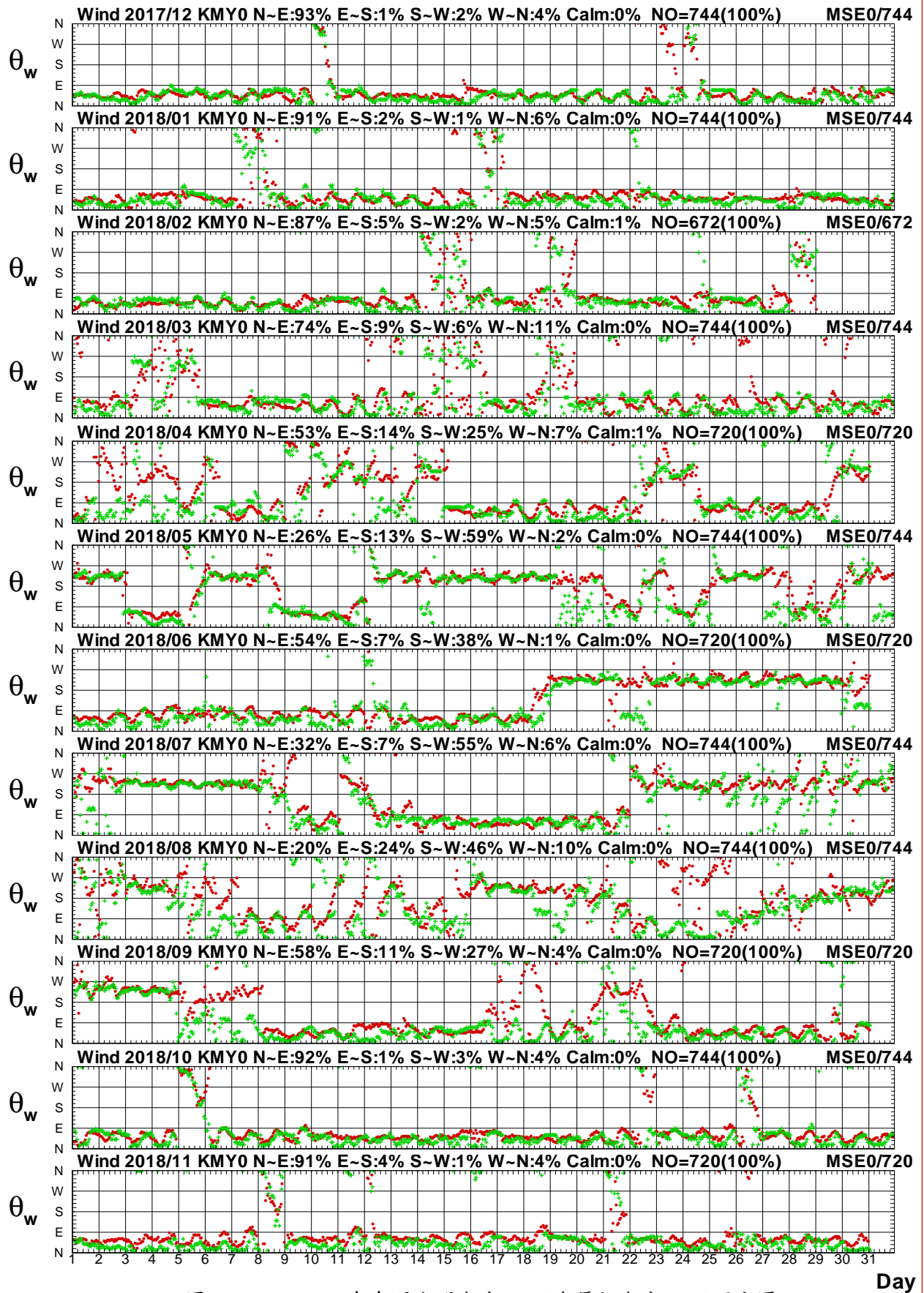


圖 1.3.12b 2018 年每月金門海域 Y 站與馬祖海域 E 站風向圖

W17CKMY0.1HA W17CMSE0.1H0 W181KMY0.1HA W181MSE0.1H0 W182KMY0.1HA W182MSE0.1H0
 W183KMY0.1HA W183MSE0.1H0 W184KMY0.1HA W184MSE0.1H0 W185KMY0.1HA W185MSE0.1H0

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Wind Speed in Kin-Men seas of KMY0 at 2018

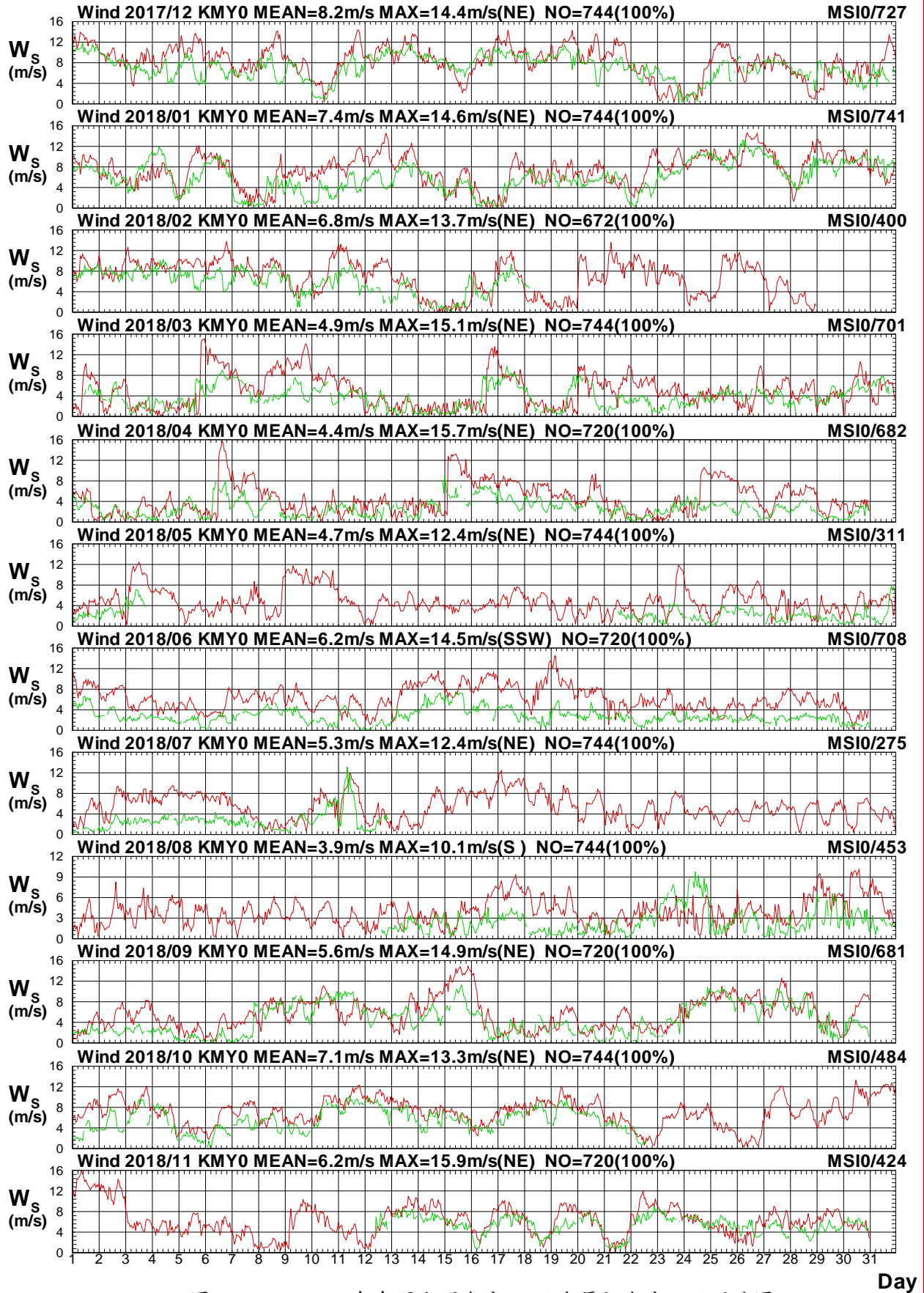


圖1.3.13a 2018年每月金門海域 Y 站與馬祖海域 I 站風速圖

W17CKMY0.1HA W17CMSIO.1HO W181KMY0.1HA W181MSIO.1HO W182KMY0.1HA W182MSIO.1HO
 W183KMY0.1HA W183MSIO.1HO W184KMY0.1HA W184MSIO.1HO W185KMY0.1HA W185MSIO.1HO

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Wind Direction in Kin-Men seas of KMY0 at 2018

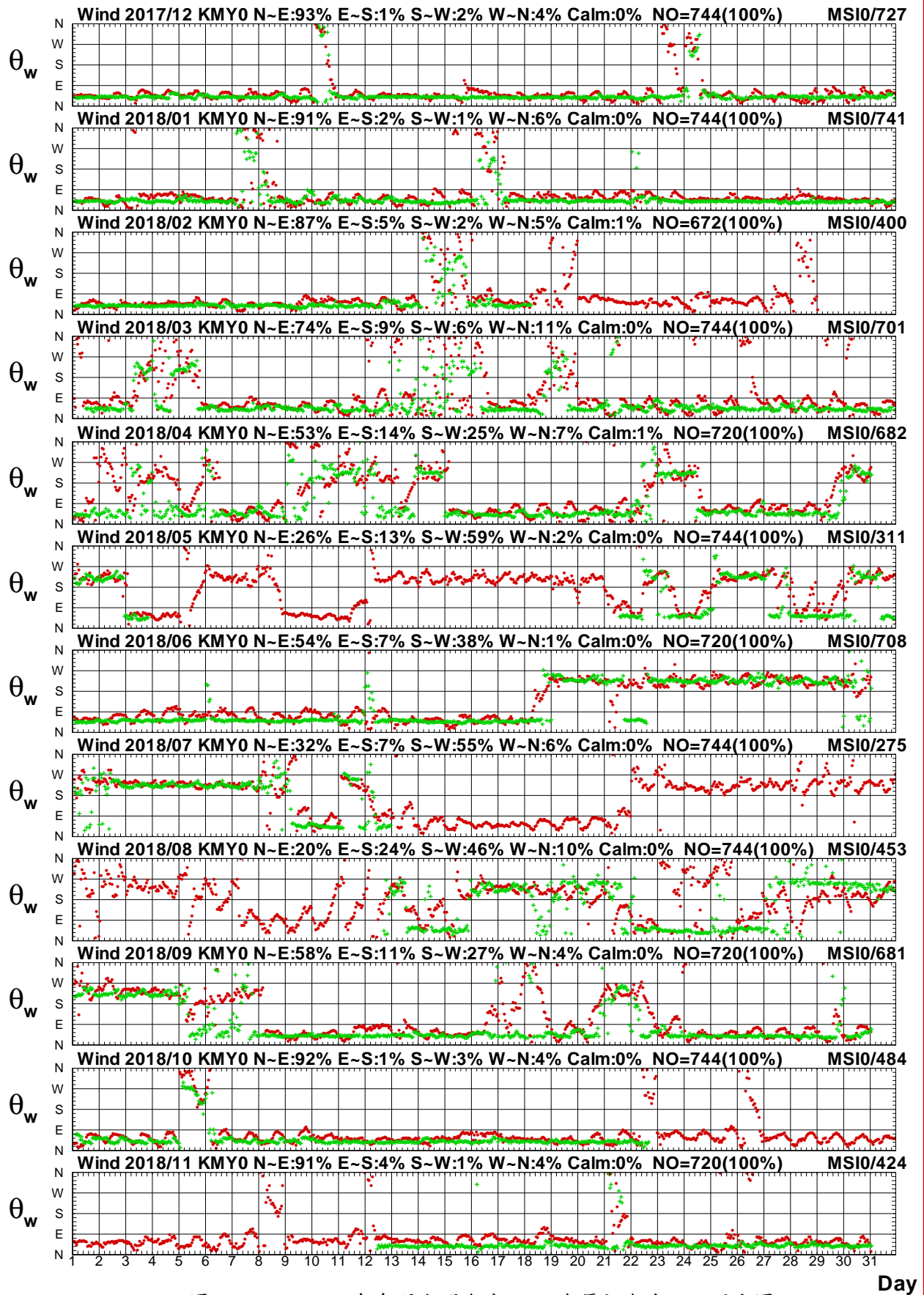


圖1.3.13b 2018年每月金門海域 Y 站與馬祖海域 I 站風向圖

W17CKMY0.1HA W17CMSIO.1HO W181KMY0.1HA W181MSIO.1HO W182KMY0.1HA W182MSIO.1HO
 W183KMY0.1HA W183MSIO.1HO W184KMY0.1HA W184MSIO.1HO W185KMY0.1HA W185MSIO.1HO

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Wind Speed in Kin-Men seas of KMY0 at 2018

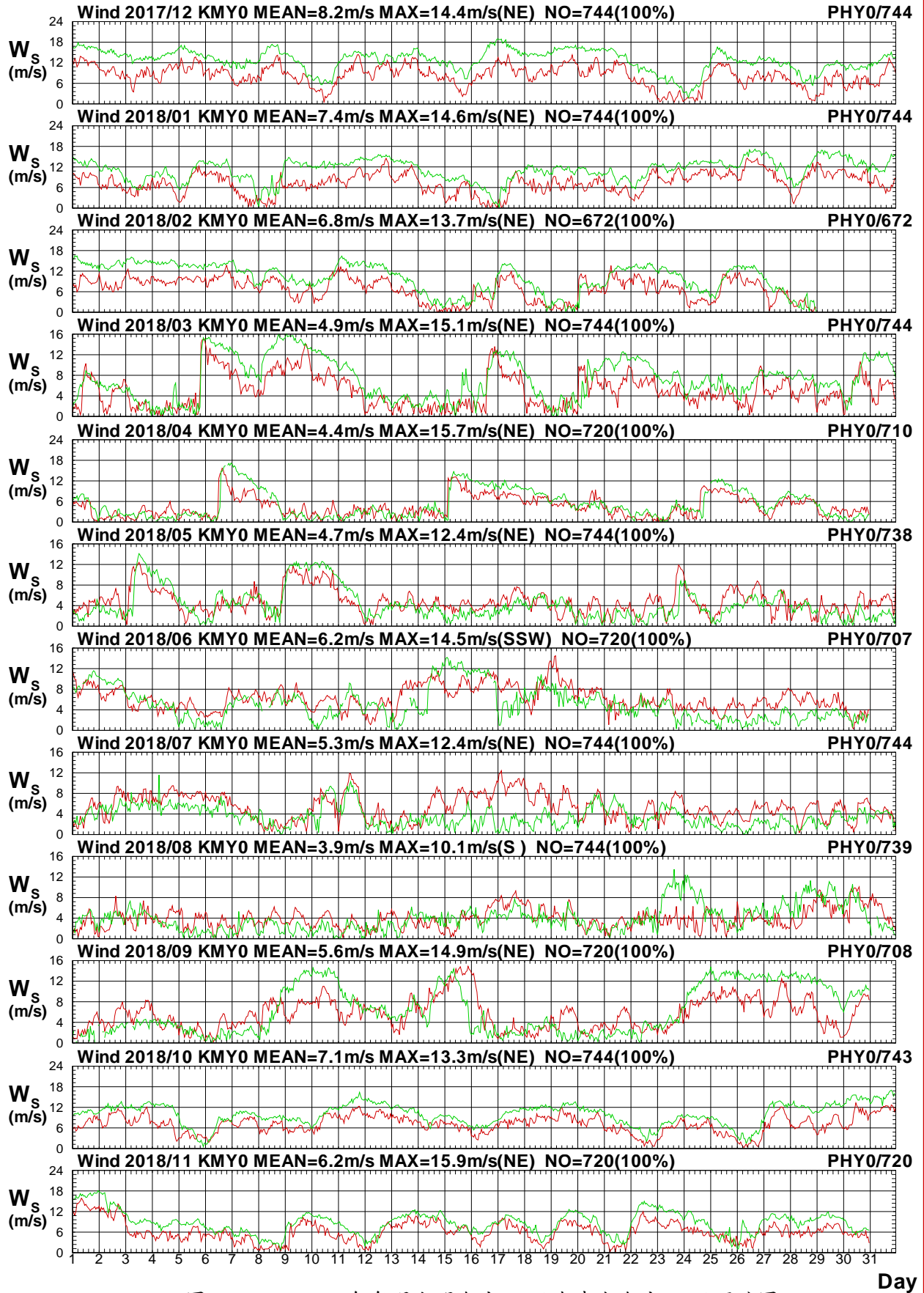


圖 1.3.14a 2018年每月金門海域 Y 站與澎湖海域 Y 站風速圖

W17CKMY0.1HA W17CPHY0.1H0 W181KMY0.1HA W181PHY0.1H0 W182KMY0.1HA W182PHY0.1H0
 W183KMY0.1HA W183PHY0.1H0 W184KMY0.1HA W184PHY0.1H0 W185KMY0.1HA W185PHY0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

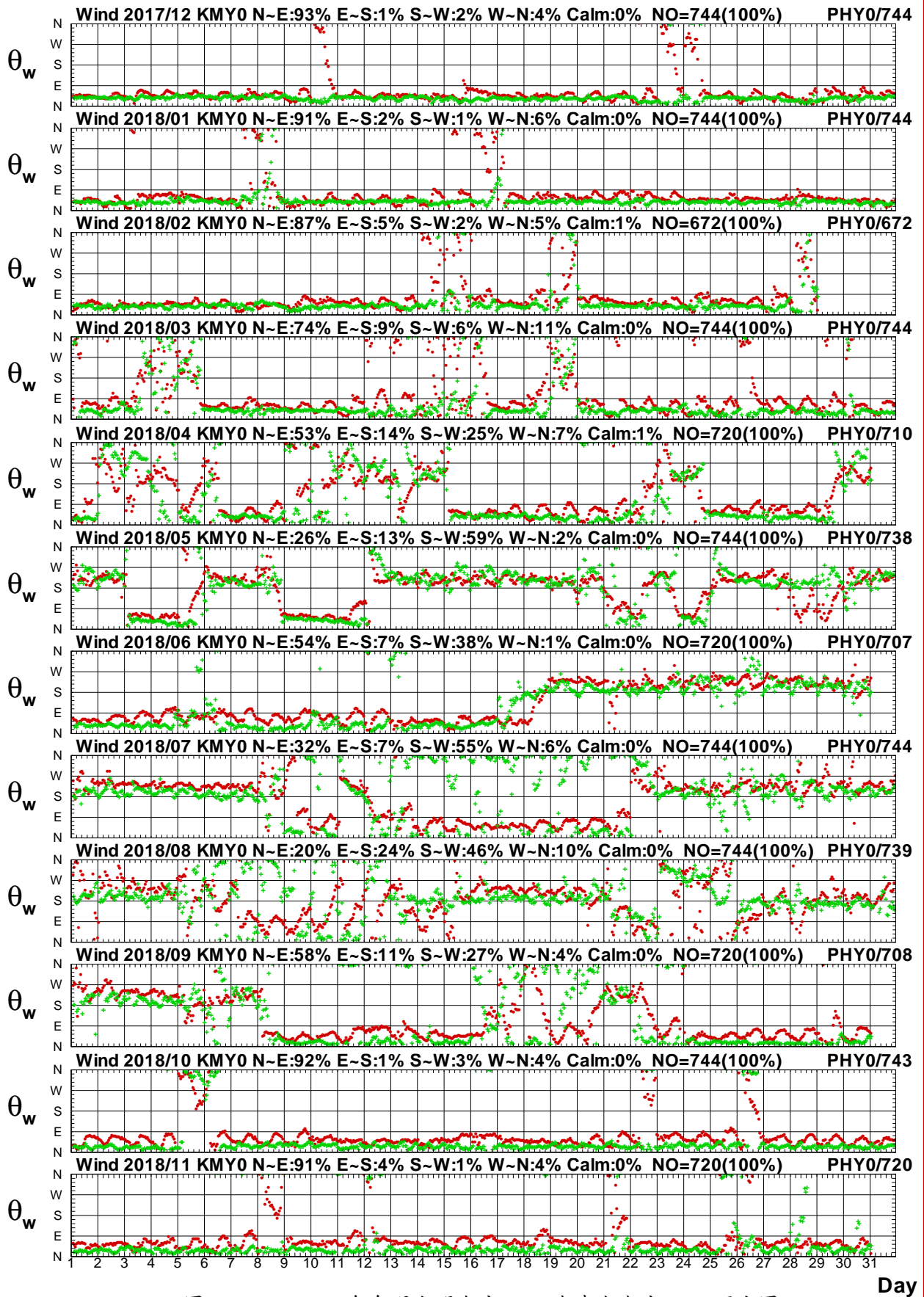


圖 1.3.14b 2018年每月金門海域 Y 站與澎湖海域 Y 站風向圖

W17CKMY0.1HA W17CPHY0.1H0 W181KMY0.1HA W181PHY0.1H0 W182KMY0.1HA W182PHY0.1H0
 W183KMY0.1HA W183PHY0.1H0 W184KMY0.1HA W184PHY0.1H0 W185KMY0.1HA W185PHY0.1H0

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Wind Speed in Kin-Men seas of KMY0 at 2018

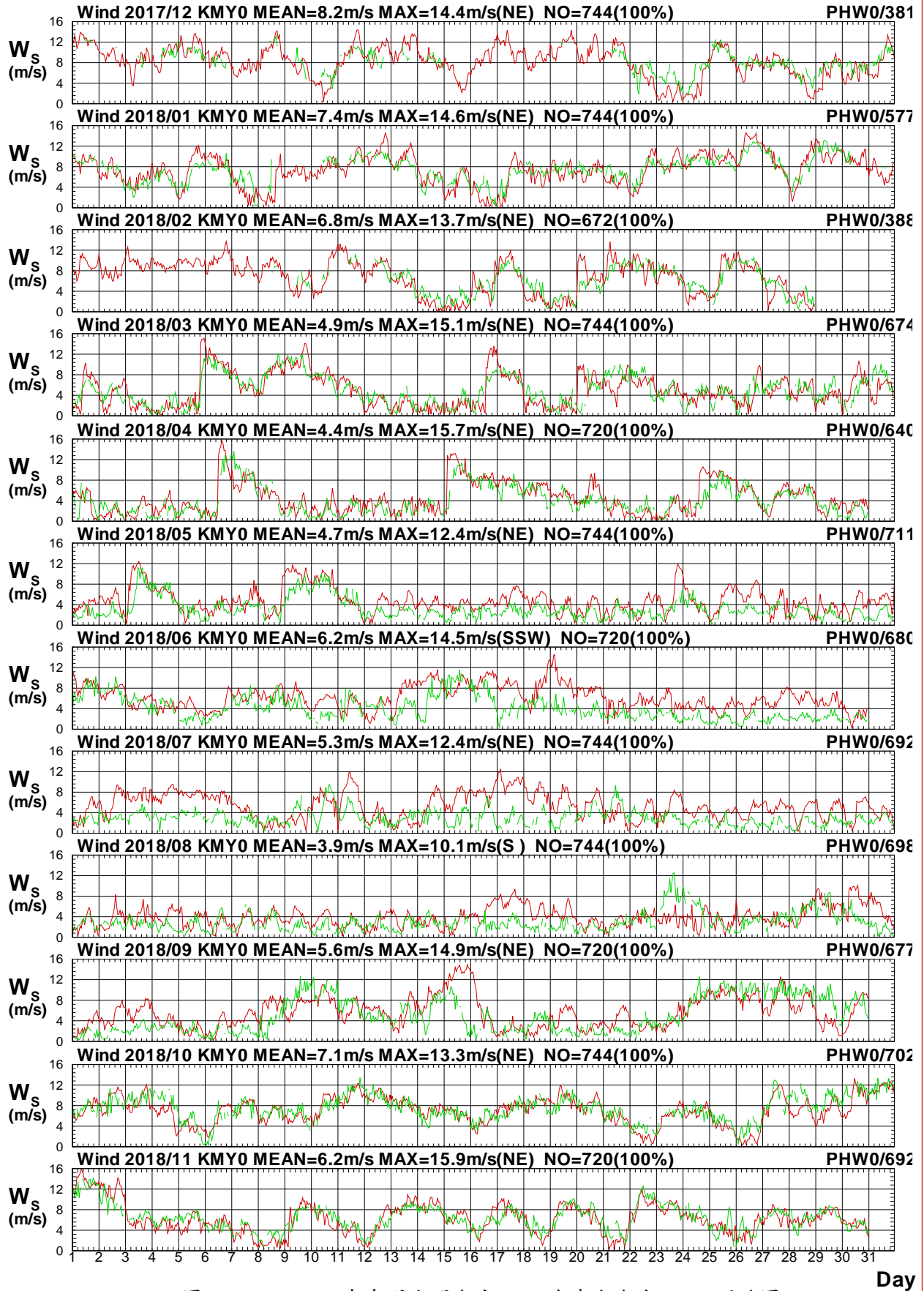


圖 1.3.15a 2018年每月金門海域 Y 站與澎湖海域 W 站風速圖

W17CKMY0.1HA W17CPHW0.1H0 W181KMY0.1HA W181PHW0.1H0 W182KMY0.1HA W182PHW0.1H0
 W183KMY0.1HA W183PHW0.1H0 W184KMY0.1HA W184PHW0.1H0 W185KMY0.1HA W185PHW0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

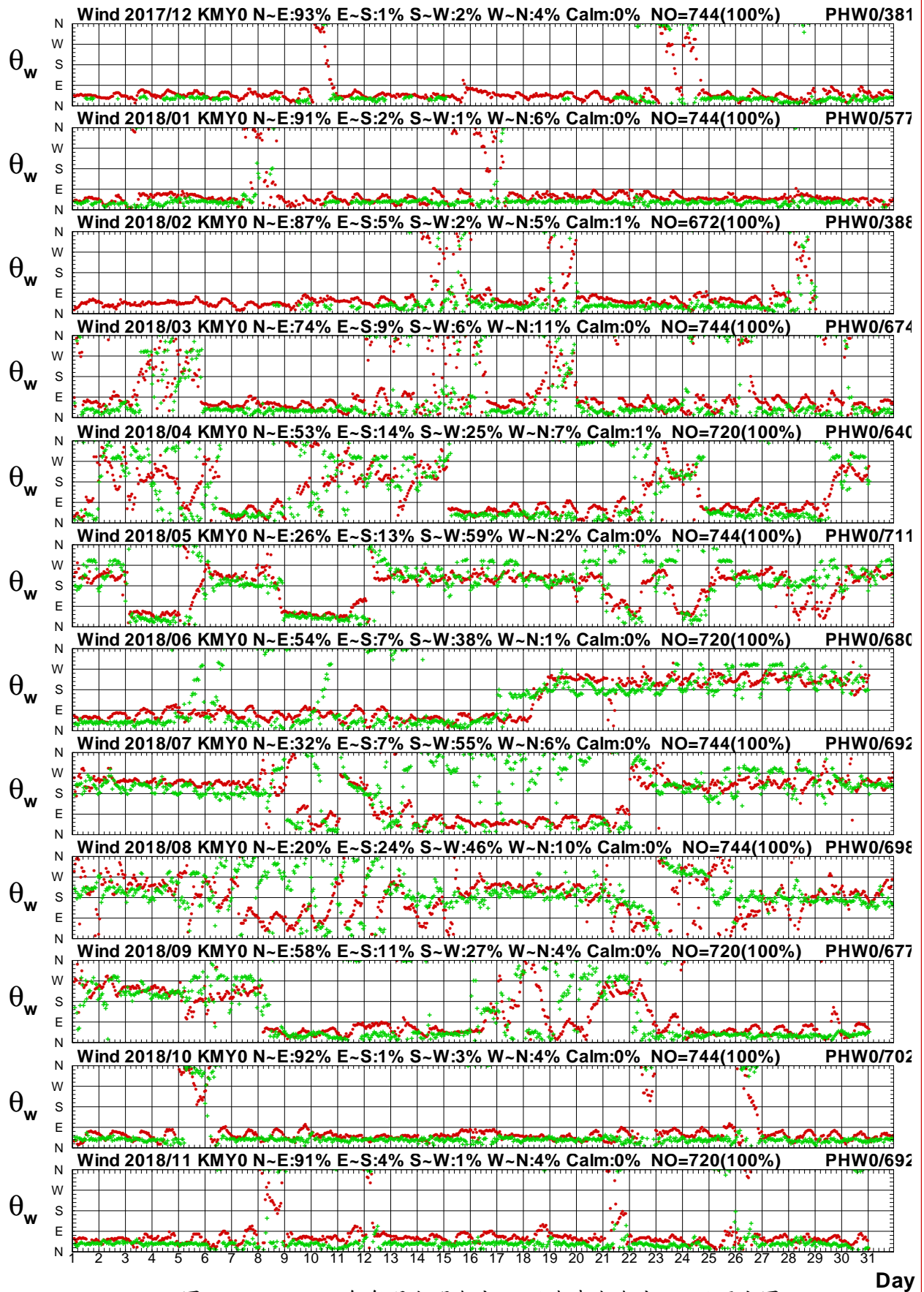


圖 1.3.15b 2018年每月金門海域 Y 站與澎湖海域 W 站風向圖

W17CKMY0.1HA W17CPHW0.1H0 W181KMY0.1HA W181PHW0.1H0 W182KMY0.1HA W182PHW0.1H0
 W183KMY0.1HA W183PHW0.1H0 W184KMY0.1HA W184PHW0.1H0 W185KMY0.1HA W185PHW0.1H0

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Wind Speed in Kin-Men seas of KMY0 at 2018

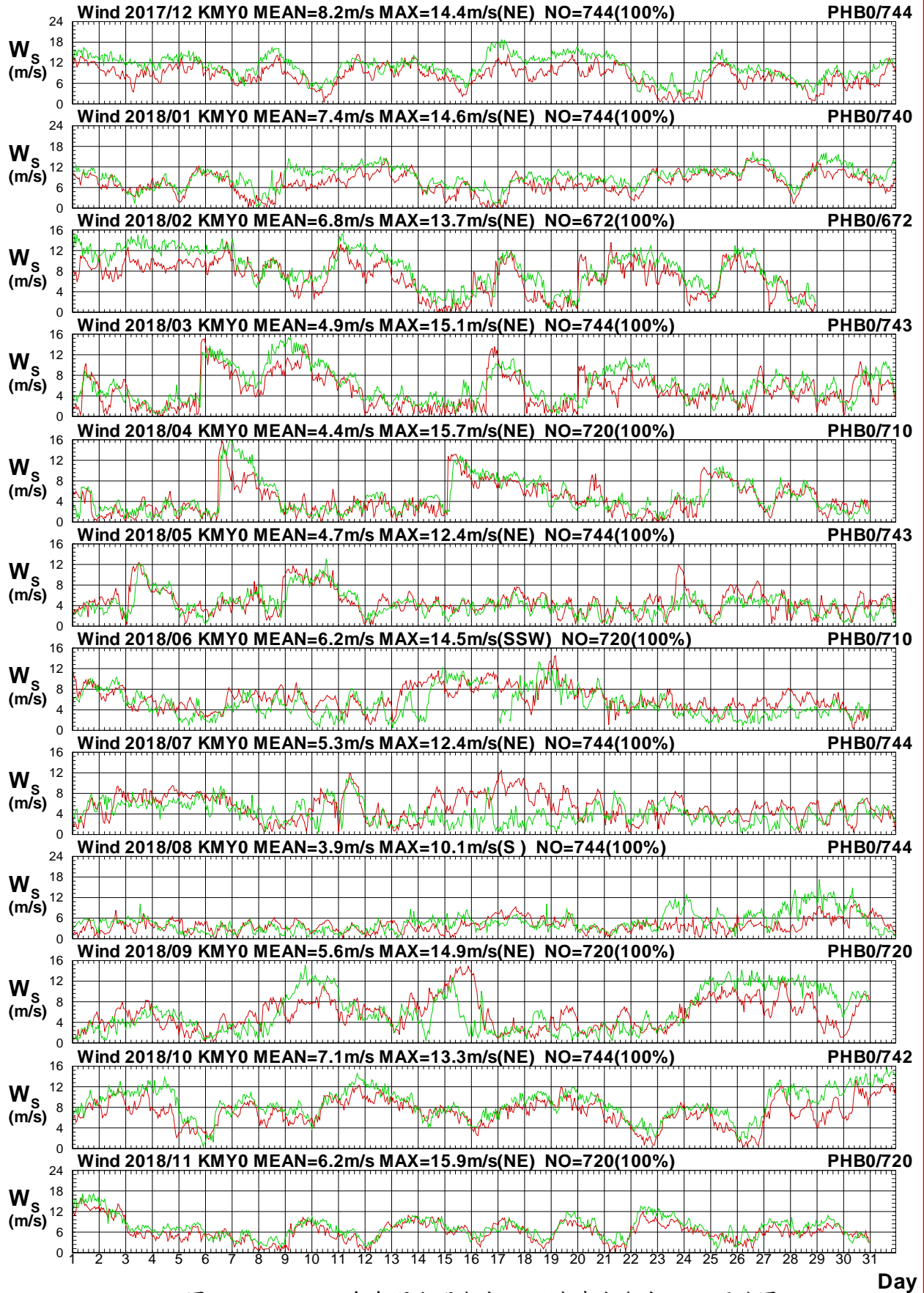


圖1.3.16a 2018年每月金門海域 Y 站與澎湖海域 B 站風速圖

W17CKMY0.1HA W17CPHB0.1H0 W181KMY0.1HA W181PHB0.1H0 W182KMY0.1HA W182PHB0.1H0
 W183KMY0.1HA W183PHB0.1H0 W184KMY0.1HA W184PHB0.1H0 W185KMY0.1HA W185PHB0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

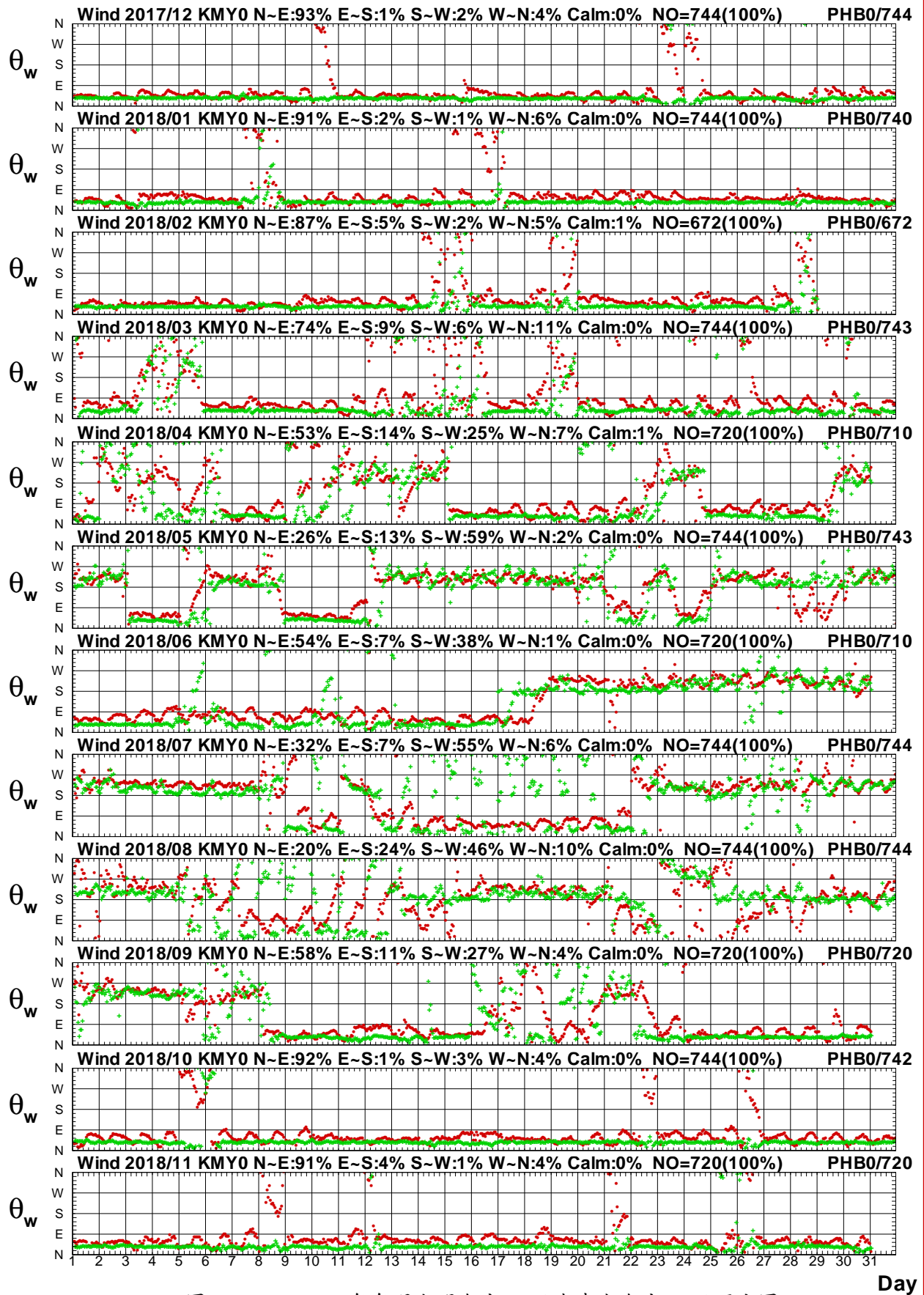


圖 1.3.16b 2018 年每月金門海域 Y 站與澎湖海域 B 站風向圖

W17CKMY0.1HA W17CPHB0.1H0 W181KMY0.1HA W181PHB0.1H0 W182KMY0.1HA W182PHB0.1H0
 W183KMY0.1HA W183PHB0.1H0 W184KMY0.1HA W184PHB0.1H0 W185KMY0.1HA W185PHB0.1H0

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Wind Speed in Kin-Men seas of KMY0 at 2018

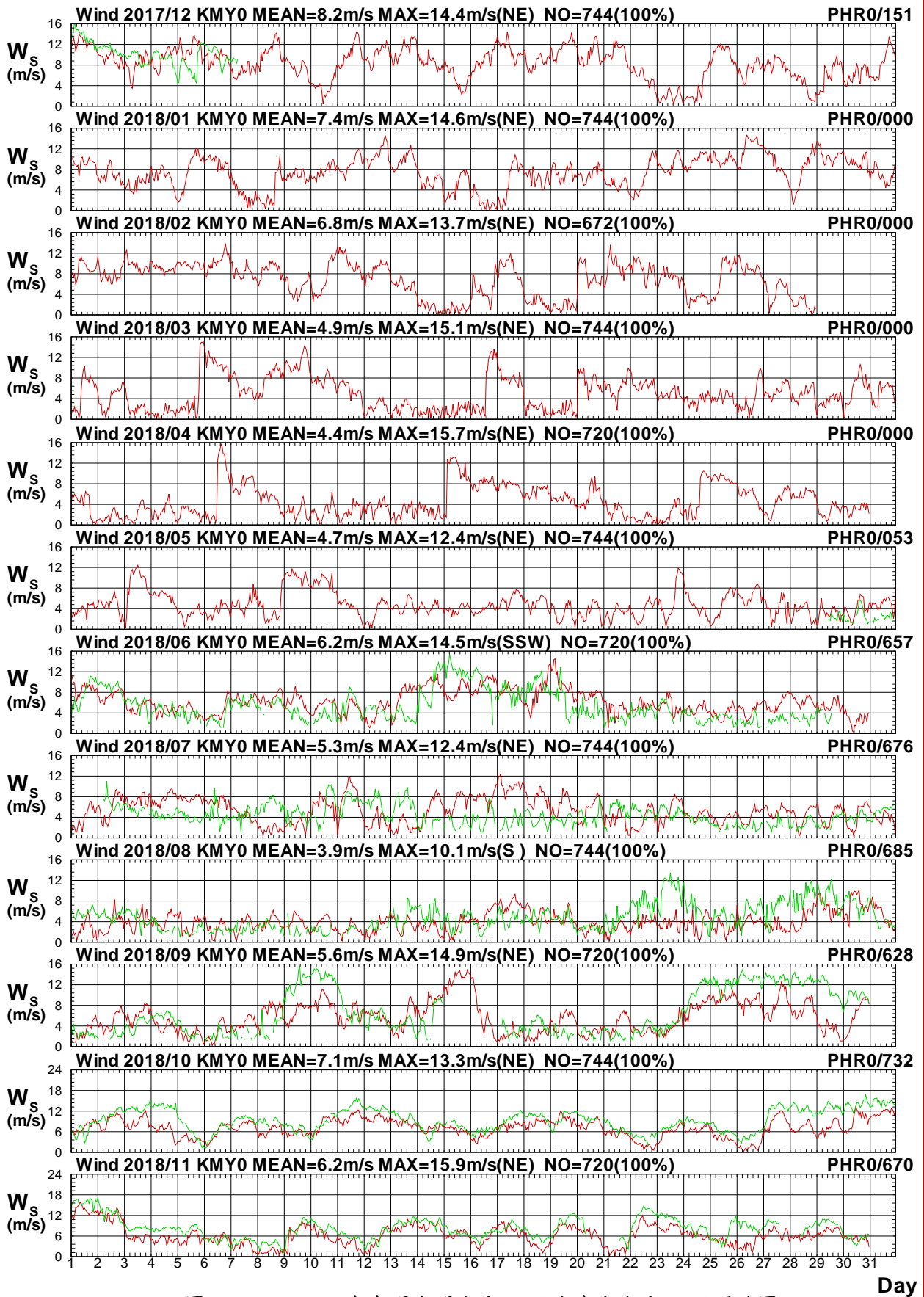


圖1.3.17a 2018年每月金門海域 Y 站與澎湖海域 R 站風速圖

W17CKMY0.1HA W17CPhR0.1H0 W181KMY0.1HA W181PhR0.1H0 W182KMY0.1HA W182PhR0.1H0
 W183KMY0.1HA W183PhR0.1H0 W184KMY0.1HA W184PhR0.1H0 W185KMY0.1HA W185PhR0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

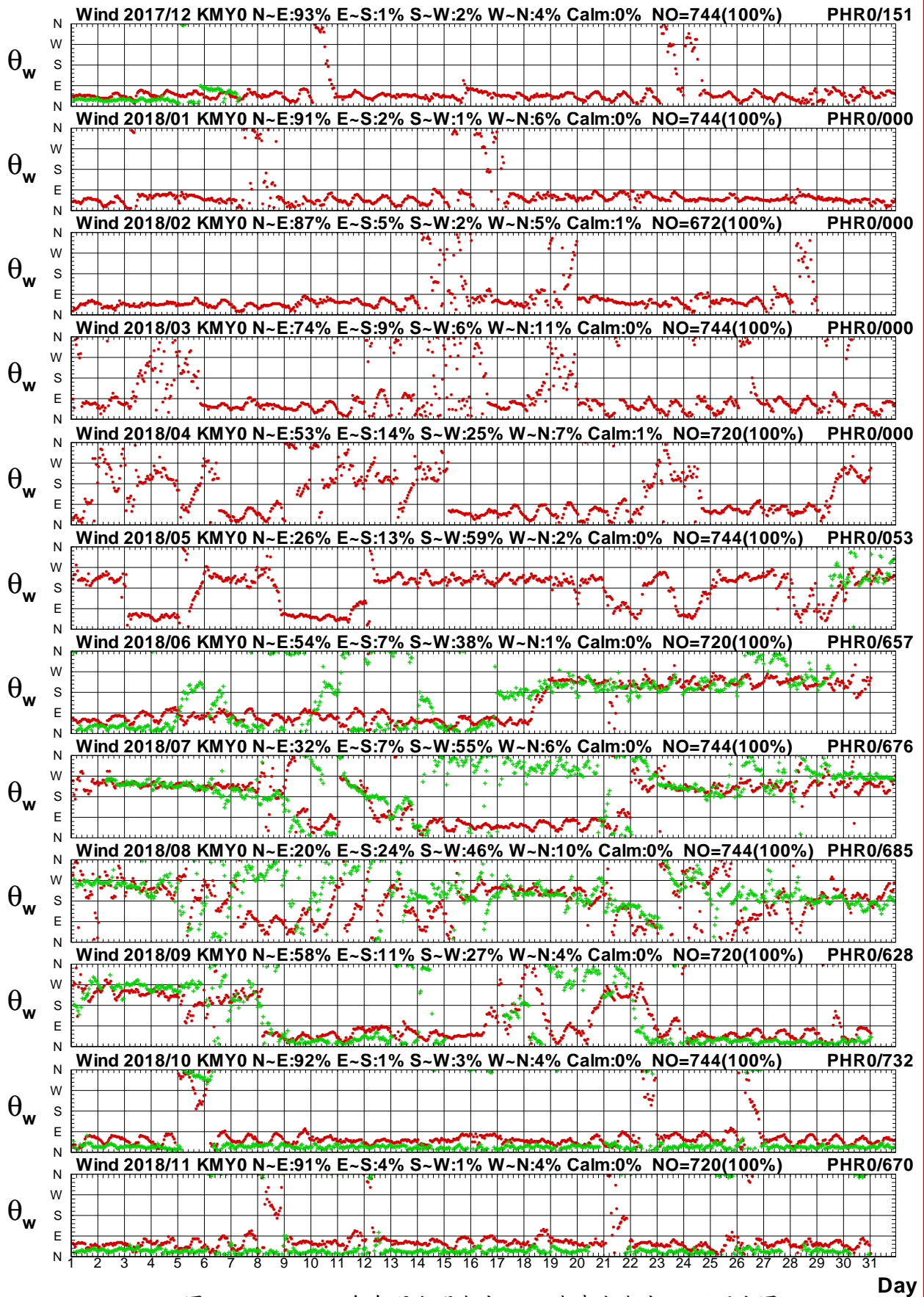


圖 1.3.17b 2018 年每月金門海域 Y 站與澎湖海域 R 站風向圖

W17CKMY0.1HA W17CPHR0.1HO W181KMY0.1HA W181PHR0.1HO W182KMY0.1HA W182PHR0.1HO
 W183KMY0.1HA W183PHR0.1HO W184KMY0.1HA W184PHR0.1HO W185KMY0.1HA W185PHR0.1HO

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Wind Speed in Kin-Men seas of KMY0 at 2018

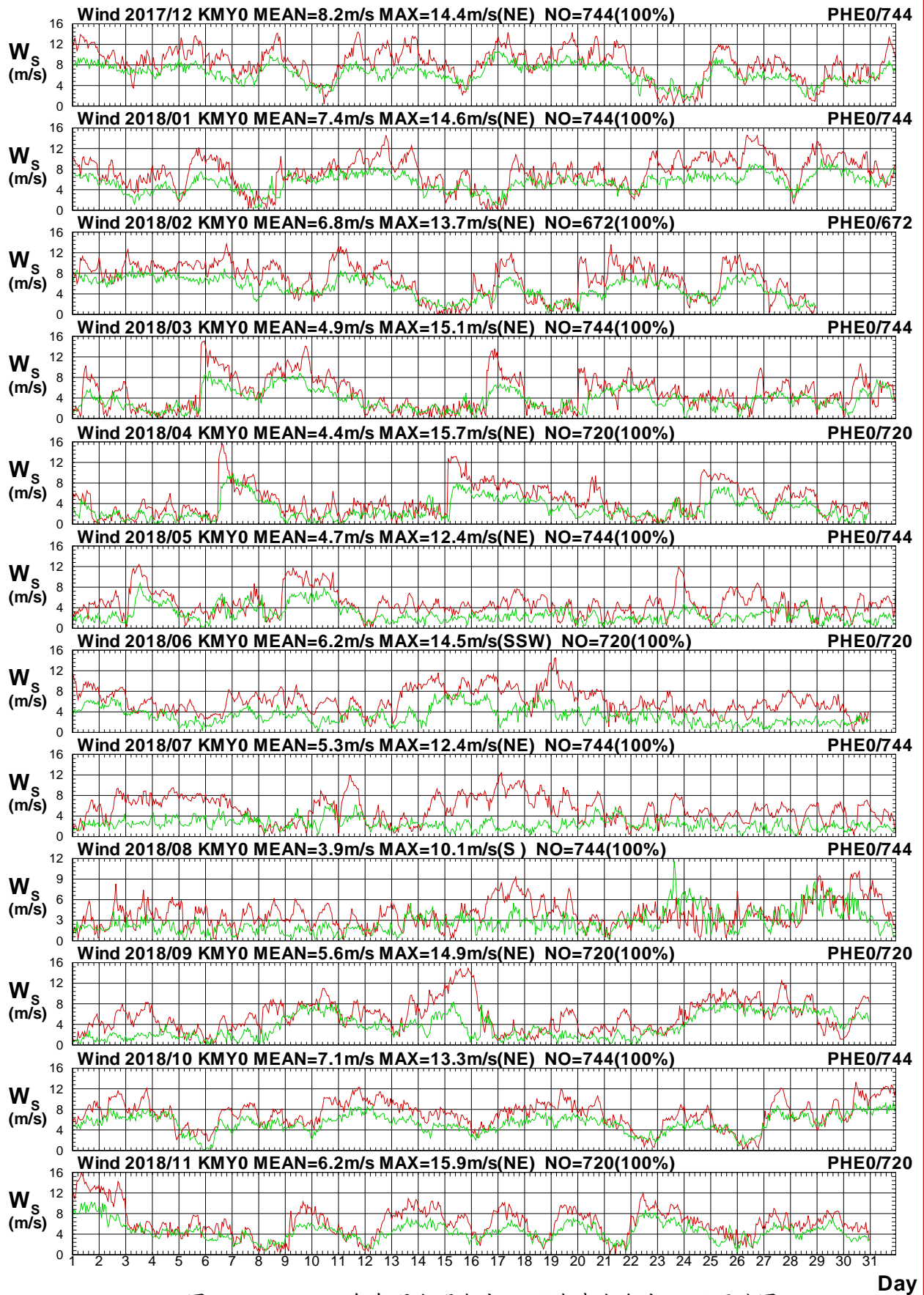


圖 1.3.18a 2018 年每月金門海域 Y 站與澎湖海域 E 站風速圖

W17CKMY0.1HA W17CPHE0.1H0 W181KMY0.1HA W181PHE0.1H0 W182KMY0.1HA W182PHE0.1H0
 W183KMY0.1HA W183PHE0.1H0 W184KMY0.1HA W184PHE0.1H0 W185KMY0.1HA W185PHE0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

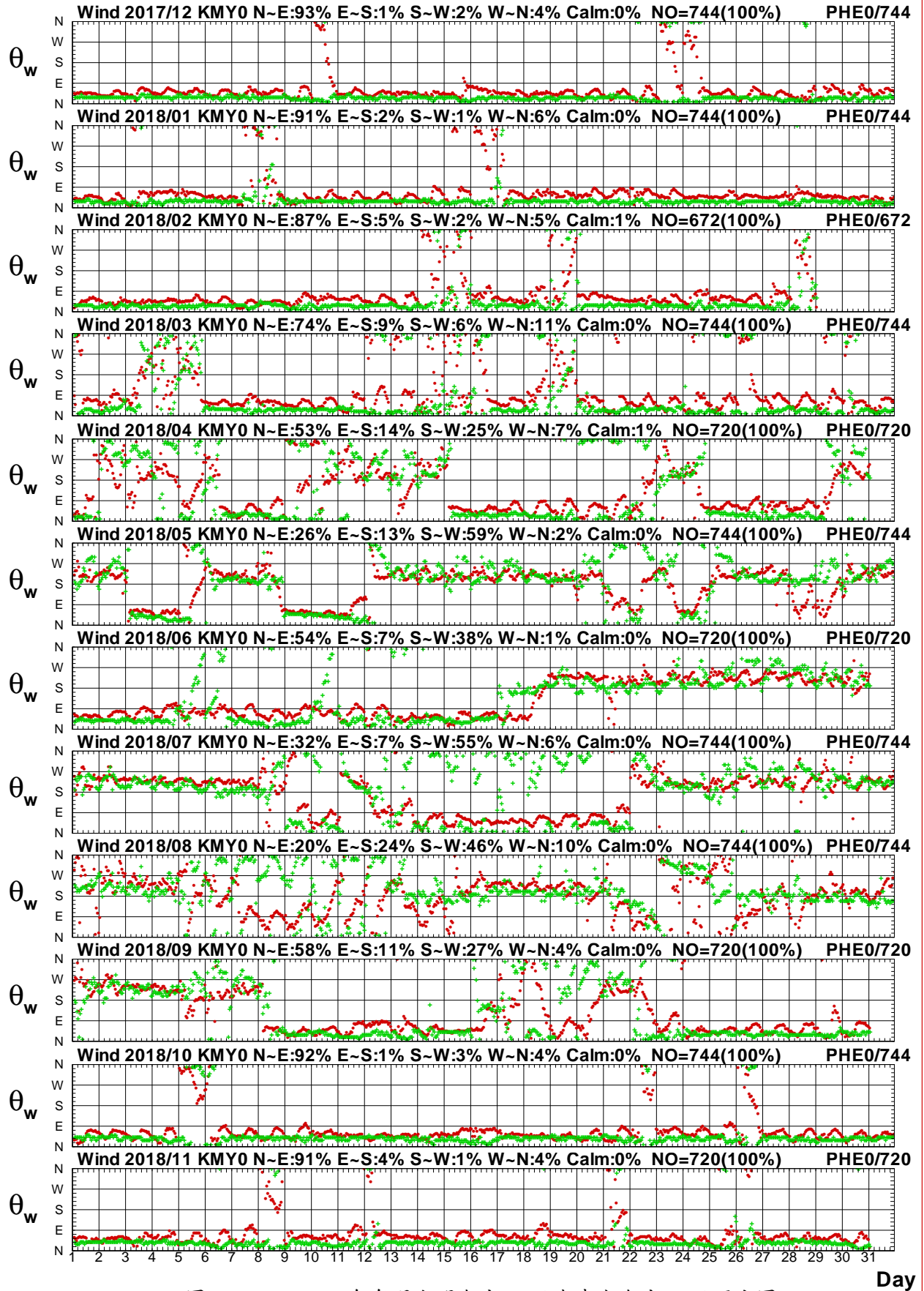


圖 1.3.18b 2018年每月金門海域 Y 站與澎湖海域 E 站風向圖

W17CKMY0.1HA W17CPHE0.1H0 W181KMY0.1HA W181PHE0.1H0 W182KMY0.1HA W182PHE0.1H0
 W183KMY0.1HA W183PHE0.1H0 W184KMY0.1HA W184PHE0.1H0 W185KMY0.1HA W185PHE0.1H0

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Wind Speed in Kin-Men seas of KMY0 at 2018

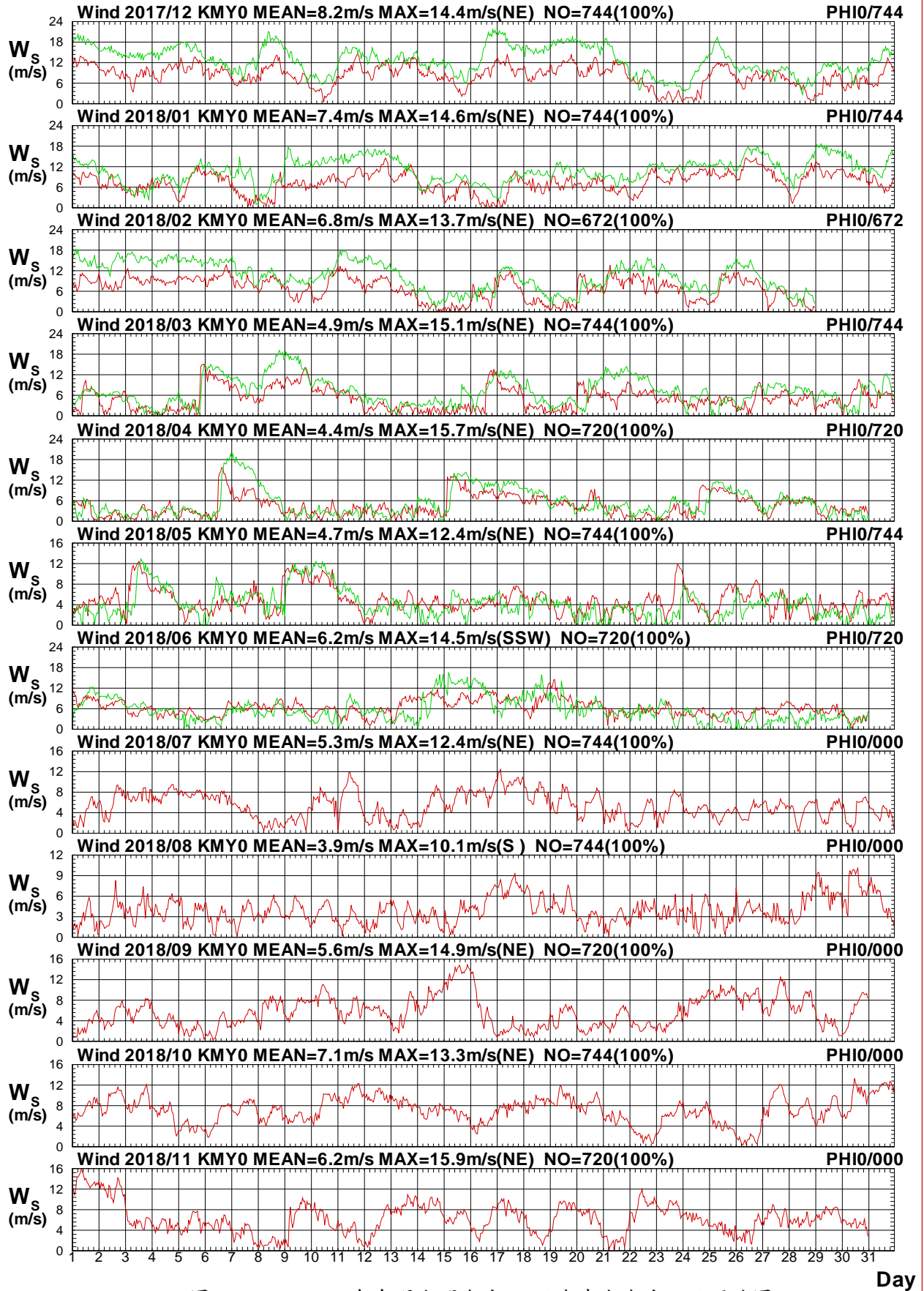


圖1.3.19a 2018年每月金門海域 Y 站與澎湖海域 I 站風速圖

W17CKMY0.1HA W17CPhi0.1H0 W181KMY0.1HA W181Phi0.1H0 W182KMY0.1HA W182Phi0.1H0
 W183KMY0.1HA W183Phi0.1H0 W184KMY0.1HA W184Phi0.1H0 W185KMY0.1HA W185Phi0.1H0

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Wind Direction in Kin-Men seas of KMY0 at 2018

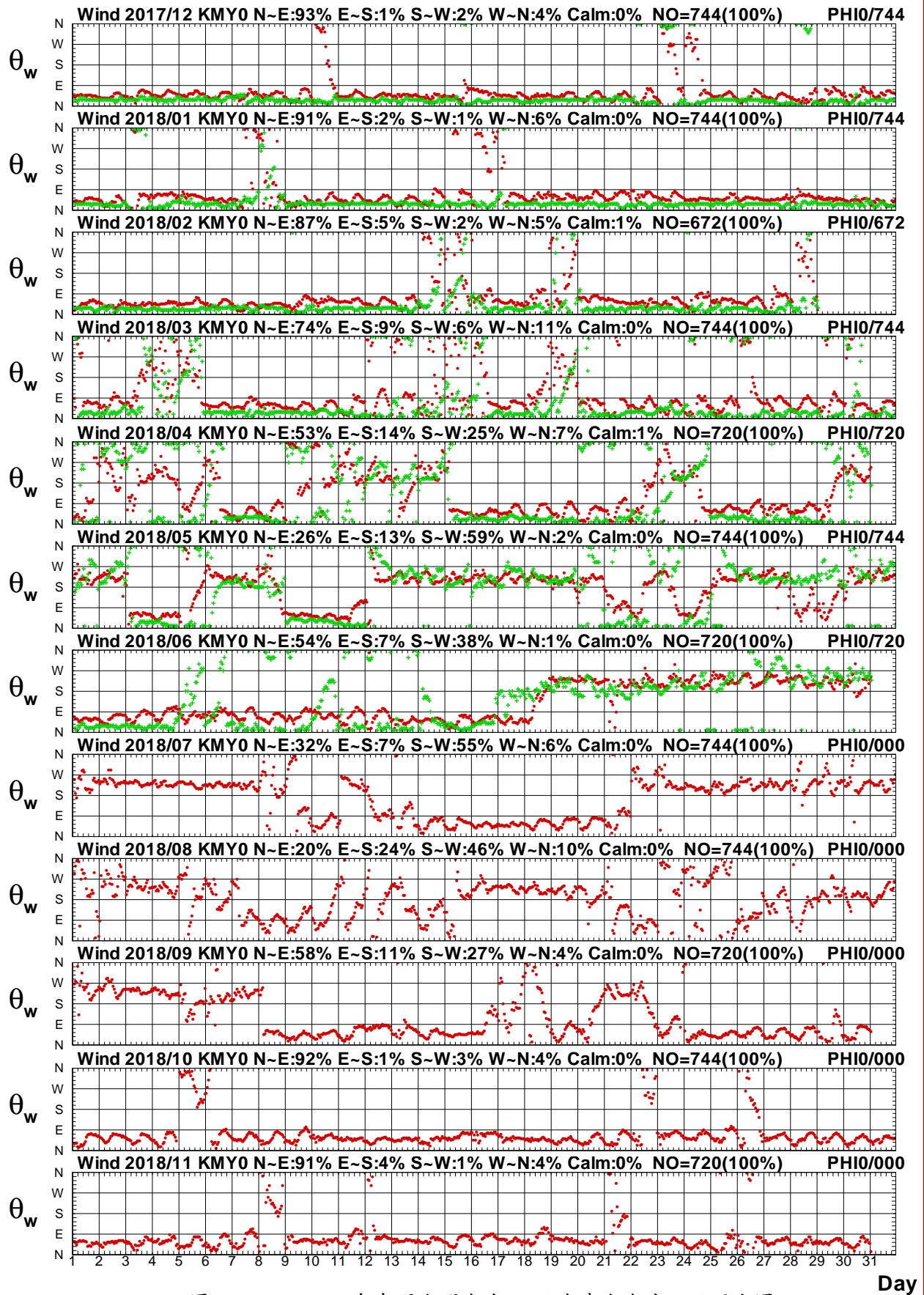


圖1.3.19b 2018年每月金門海域 Y 站與澎湖海域 I 站風向圖

W17CKMY0.1HA W17CPhi0.1H0 W181KMY0.1HA W181Phi0.1H0 W182KMY0.1HA W182Phi0.1H0
 W183KMY0.1HA W183Phi0.1H0 W184KMY0.1HA W184Phi0.1H0 W185KMY0.1HA W185Phi0.1H0

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1.4 2018 年金門海域風力**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 Kin-Men seas of KMW0 at 2018

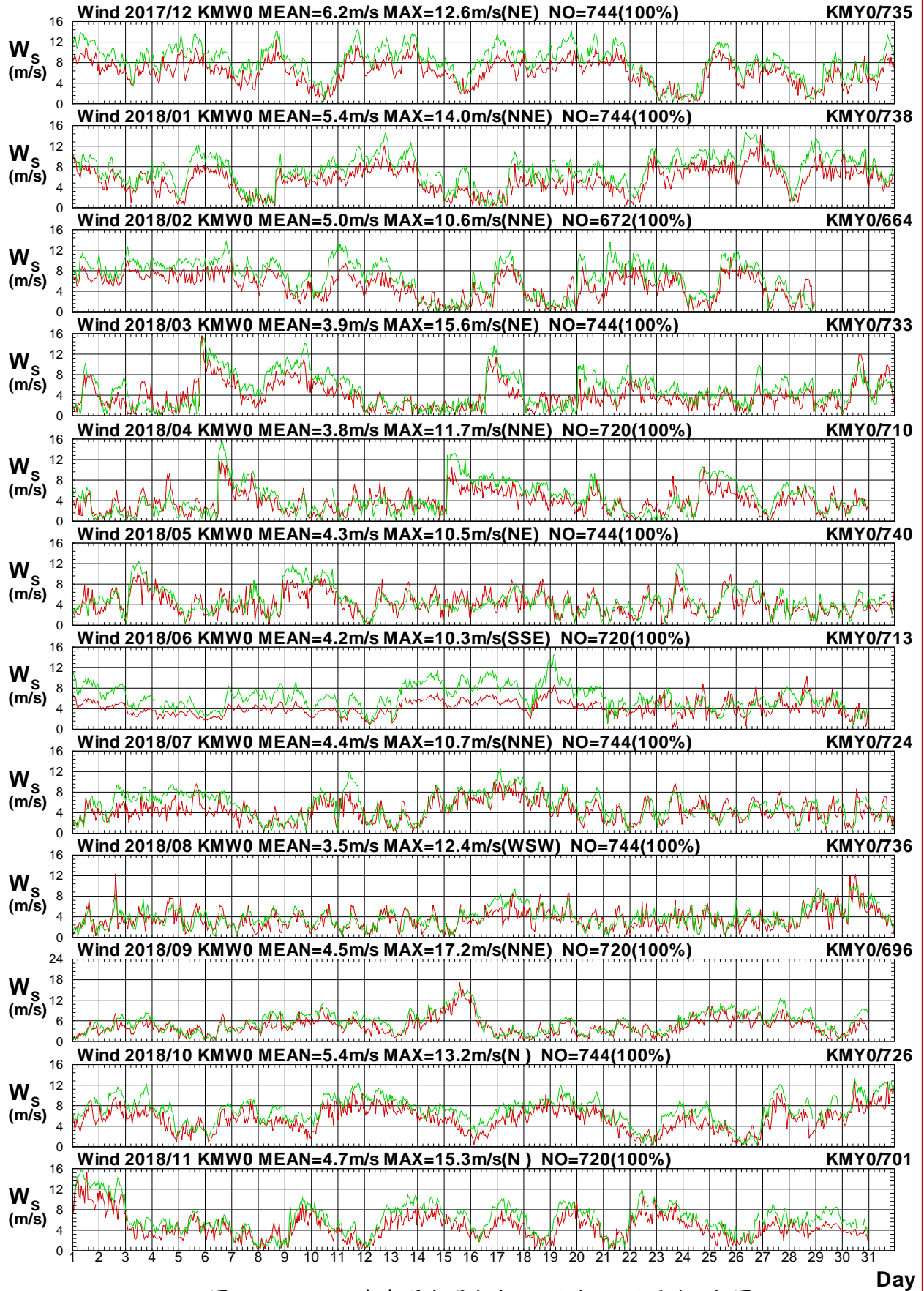


圖1.4.1a 2018年每月金門海域 W 站與 Y 站風速比較圖

W17CKMW0.1HA W17CKMY0.1H0 W181KMW0.1HA W181KMY0.1H0 W182KMW0.1HA W182KMY0.1H0
 W183KMW0.1HA W183KMY0.1H0 W184KMW0.1HA W184KMY0.1H0 W185KMW0.1HA W185KMY0.1H0

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Wind Direction in Kin-Men seas of KMW0 at 2018

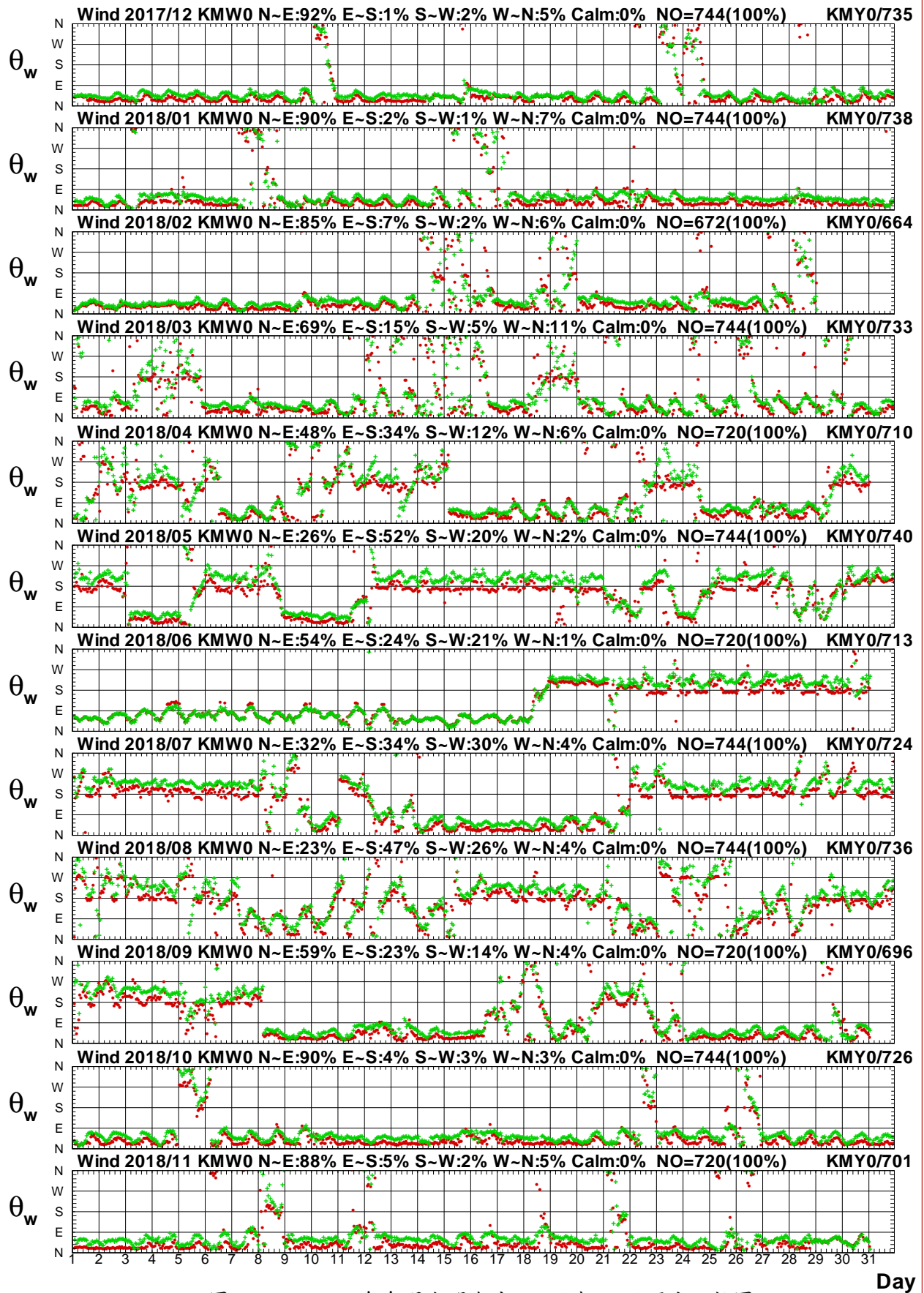


圖1.4.1b 2018年每月金門海域 W 站與 Y 站風向比較圖

W17CKMW0.1HA W17CKMY0.1H0 W181KMW0.1HA W181KMY0.1H0 W182KMW0.1HA W182KMY0.1H0
 W183KMW0.1HA W183KMY0.1H0 W184KMW0.1HA W184KMY0.1H0 W185KMW0.1HA W185KMY0.1H0

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Wind Speed in Kin-Men seas of KMW0 at 2018

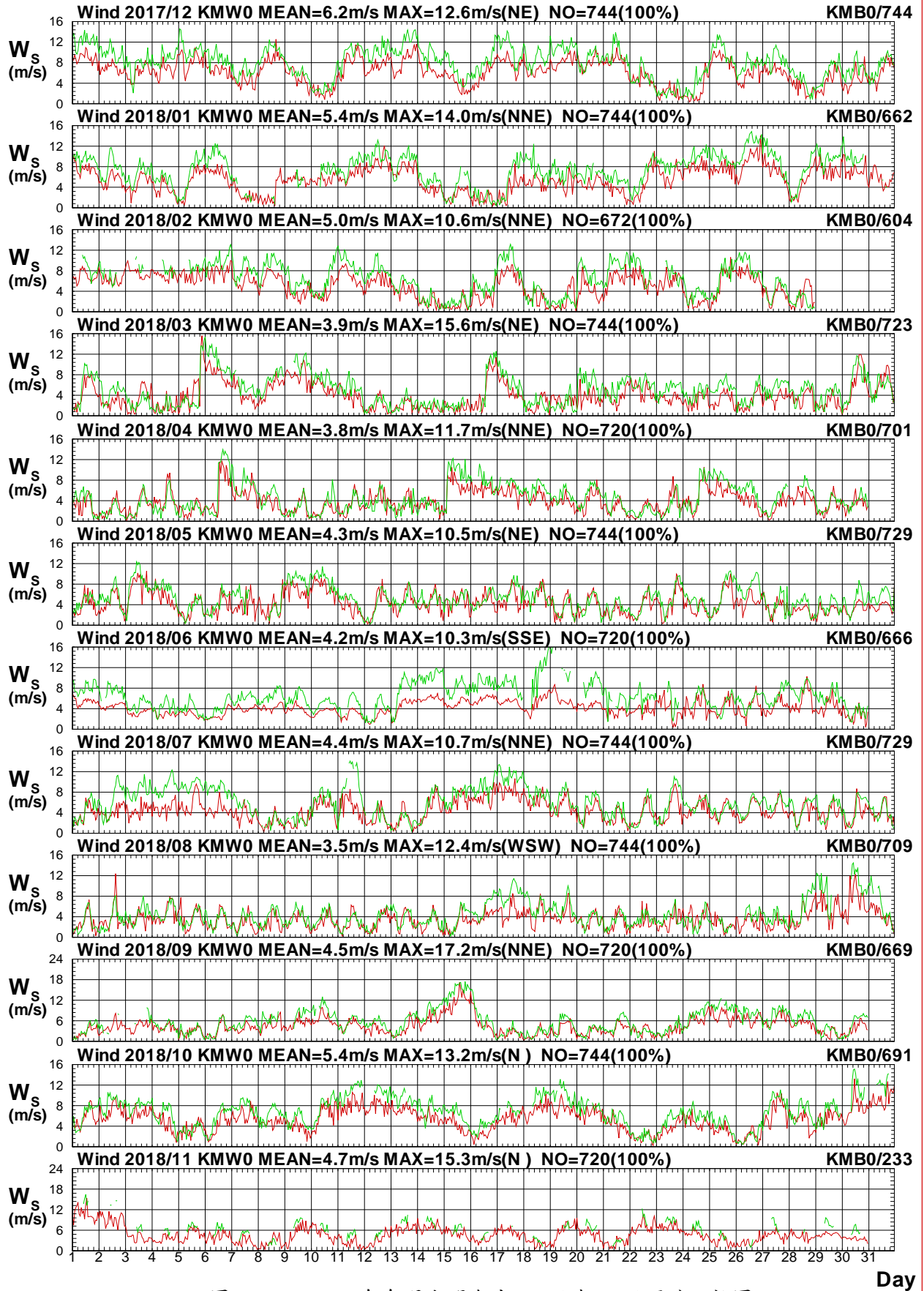


圖1.4.2a 2018年每月金門海域 W 站與 B 站風速比較圖

W17CKMW0.1HA W17CKMB0.1H0 W181KMW0.1HA W181KMB0.1H0 W182KMW0.1HA W182KMB0.1H0
 W183KMW0.1HA W183KMB0.1H0 W184KMW0.1HA W184KMB0.1H0 W185KMW0.1HA W185KMB0.1H0
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Wind Direction in Kin-Men seas of KMW0 at 2018

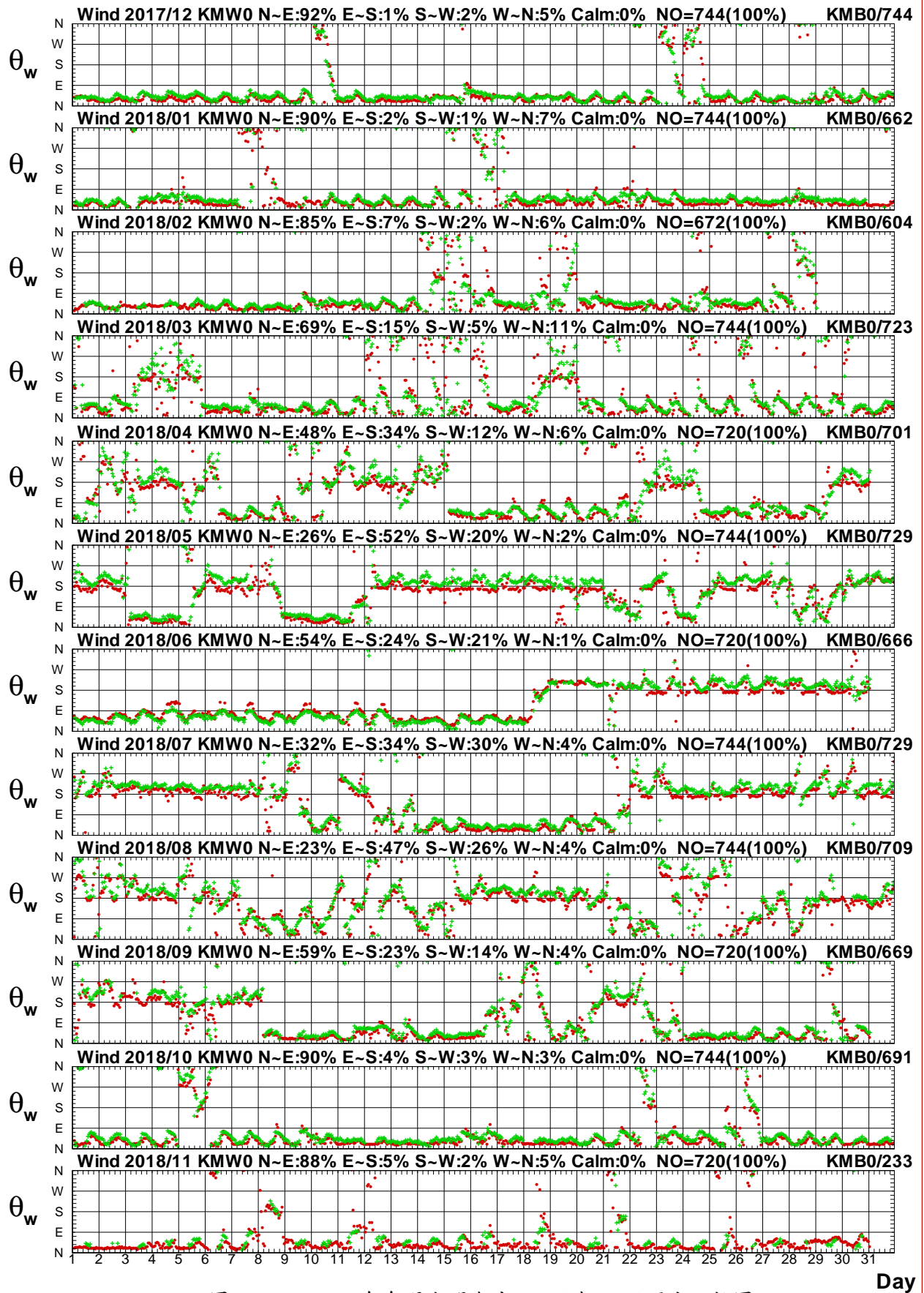


圖1.4.2b 2018年每月金門海域 W 站與 B 站風向比較圖

W17CKMW0.1HA W17CKMB0.1H0 W181KMW0.1HA W181KMB0.1H0 W182KMW0.1HA W182KMB0.1H0
 W183KMW0.1HA W183KMB0.1H0 W184KMW0.1HA W184KMB0.1H0 W185KMW0.1HA W185KMB0.1H0
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Wind Speed in Kin-Men seas of KMW0 at 2018

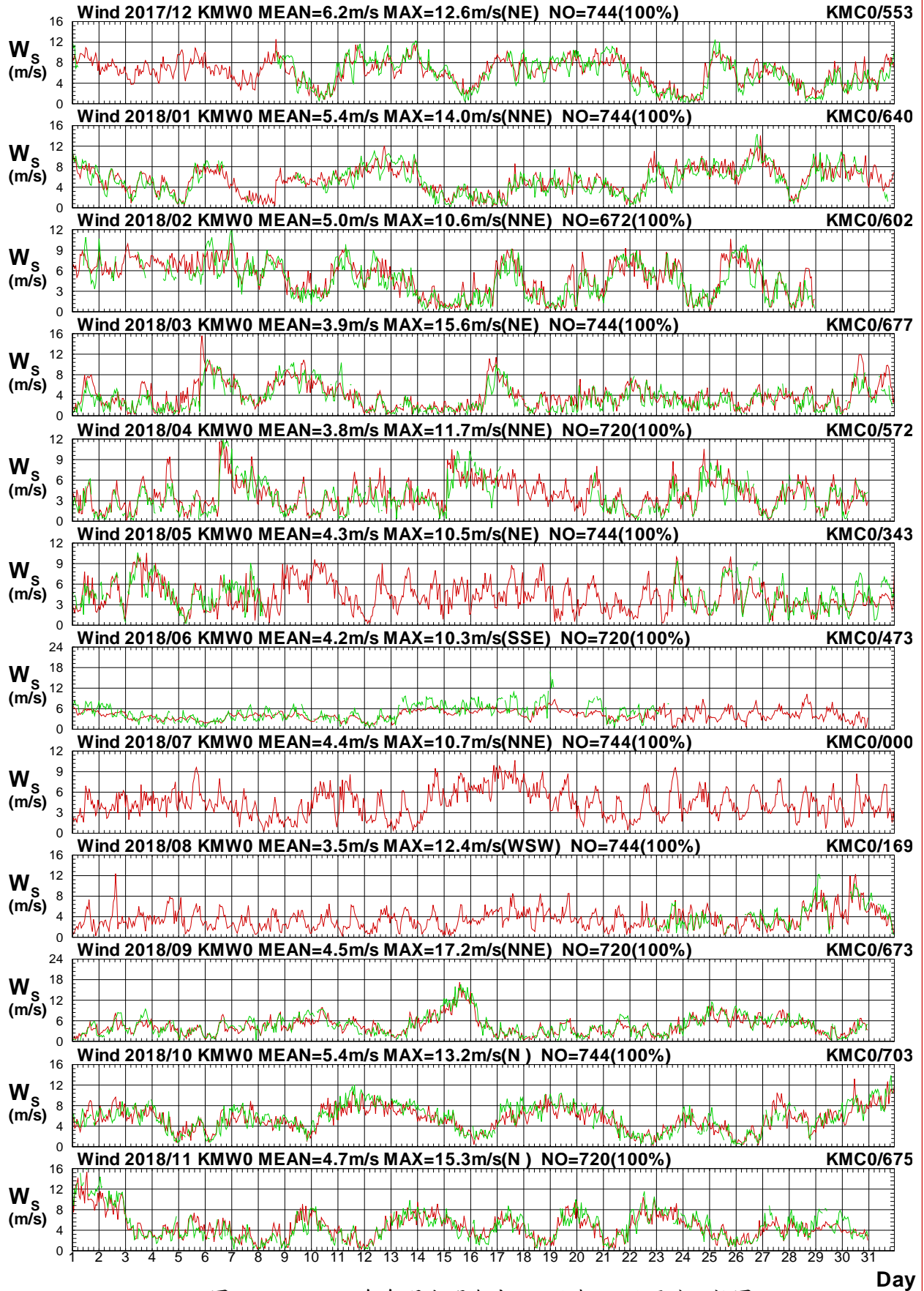


圖1.4.3a 2018年每月金門海域 W 站與 C 站風速比較圖

W17CKMW0.1HA W17CKMC0.1H0 W181KMW0.1HA W181KMC0.1H0 W182KMW0.1HA W182KMC0.1H0
 W183KMW0.1HA W183KMC0.1H0 W184KMW0.1HA W184KMC0.1H0 W185KMW0.1HA W185KMC0.1H0

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Wind Direction in Kin-Men seas of KMW0 at 2018

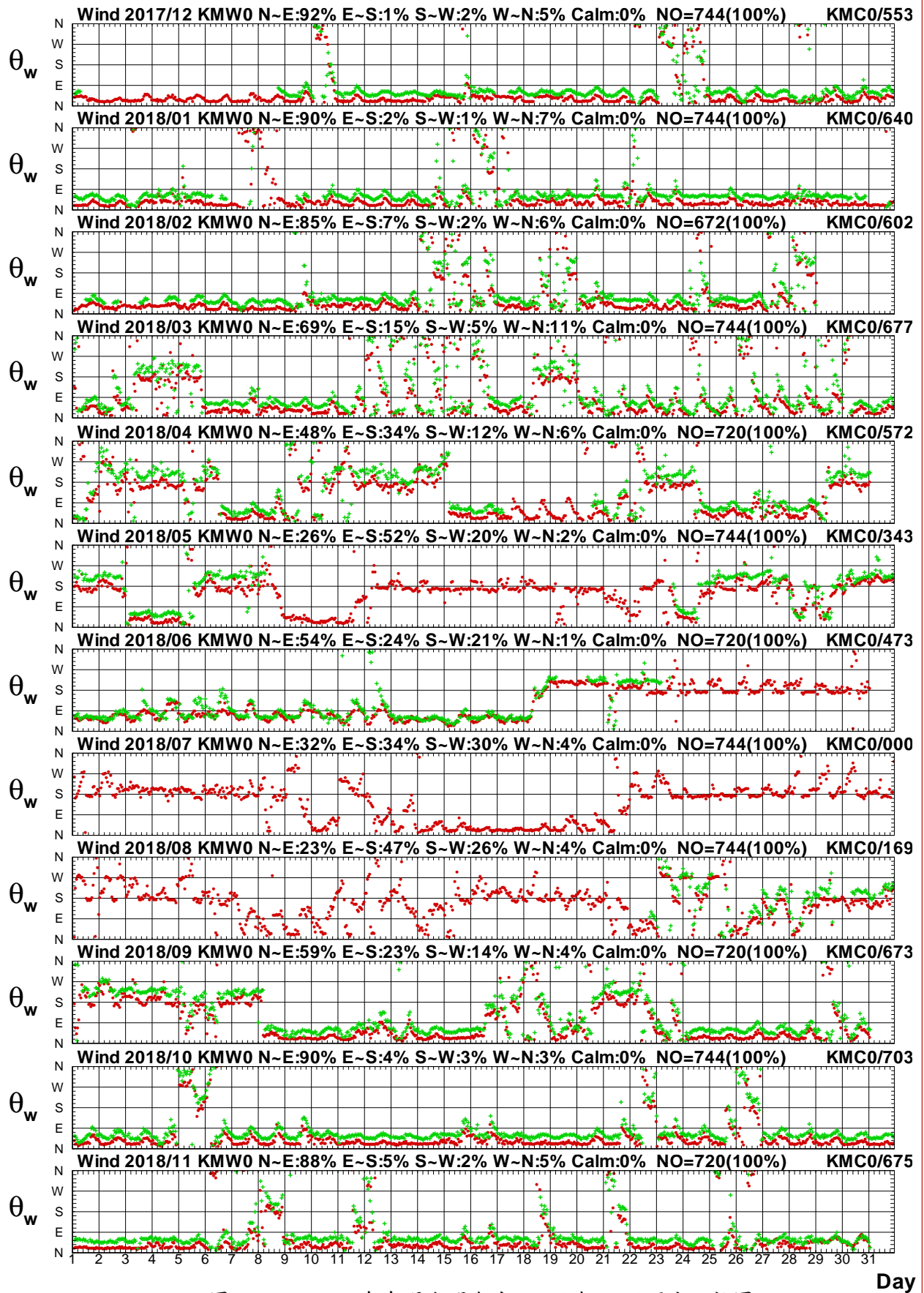


圖1.4.3b 2018年每月金門海域 W 站與 C 站風向比較圖

W17CKMW0.1HA W17CKMC0.1H0 W181KMW0.1HA W181KMC0.1H0 W182KMW0.1HA W182KMC0.1H0
 W183KMW0.1HA W183KMC0.1H0 W184KMW0.1HA W184KMC0.1H0 W185KMW0.1HA W185KMC0.1H0
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Wind Speed in Kin-Men seas of KMW0 at 2018

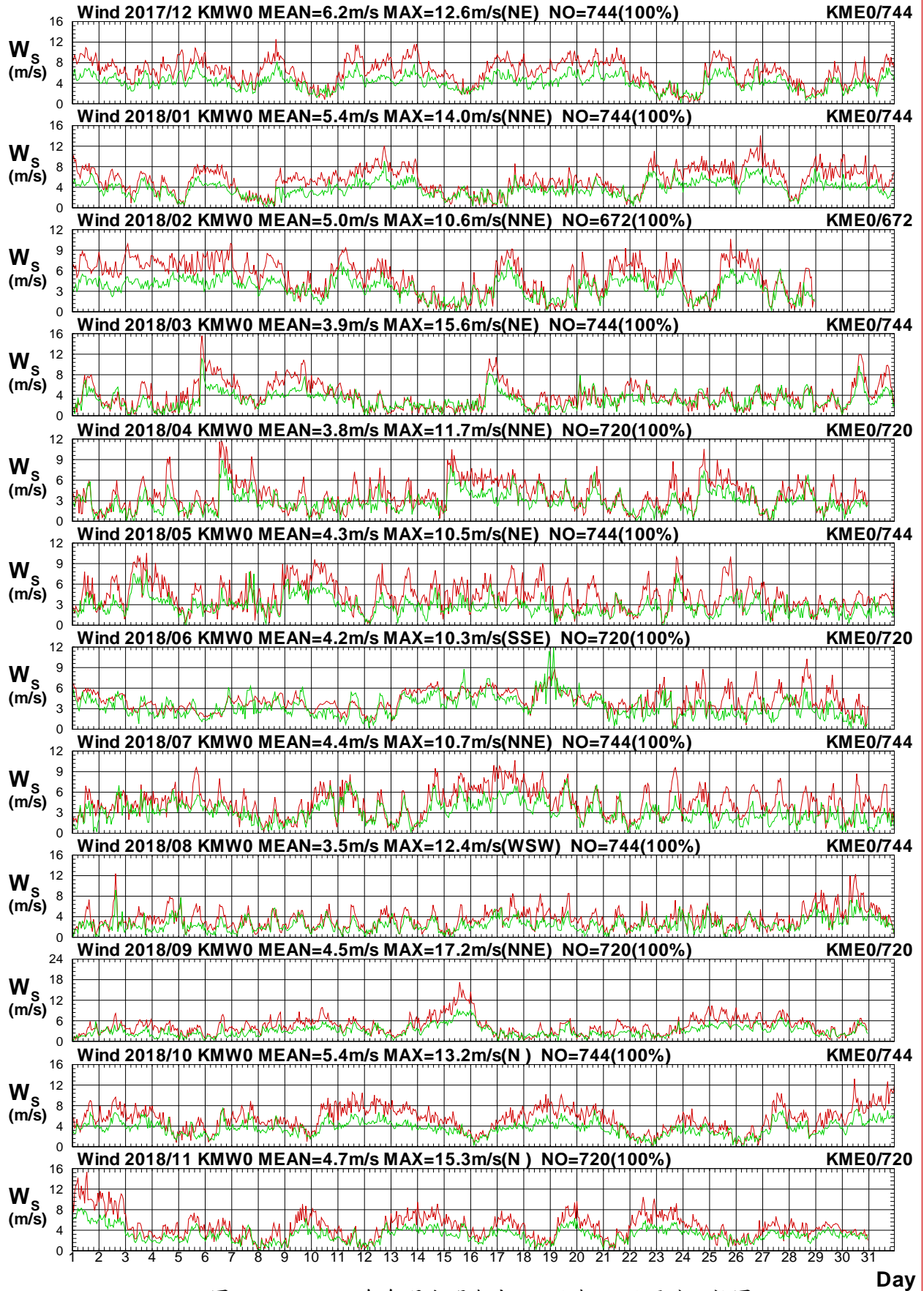


圖1.4.4a 2018年每月金門海域 W 站與 E 站風速比較圖

W17CKMW0.1HA W17CKME0.1H0 W181KMW0.1HA W181KME0.1H0 W182KMW0.1HA W182KME0.1H0
 W183KMW0.1HA W183KME0.1H0 W184KMW0.1HA W184KME0.1H0 W185KMW0.1HA W185KME0.1H0
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Wind Direction in Kin-Men seas of KMW0 at 2018

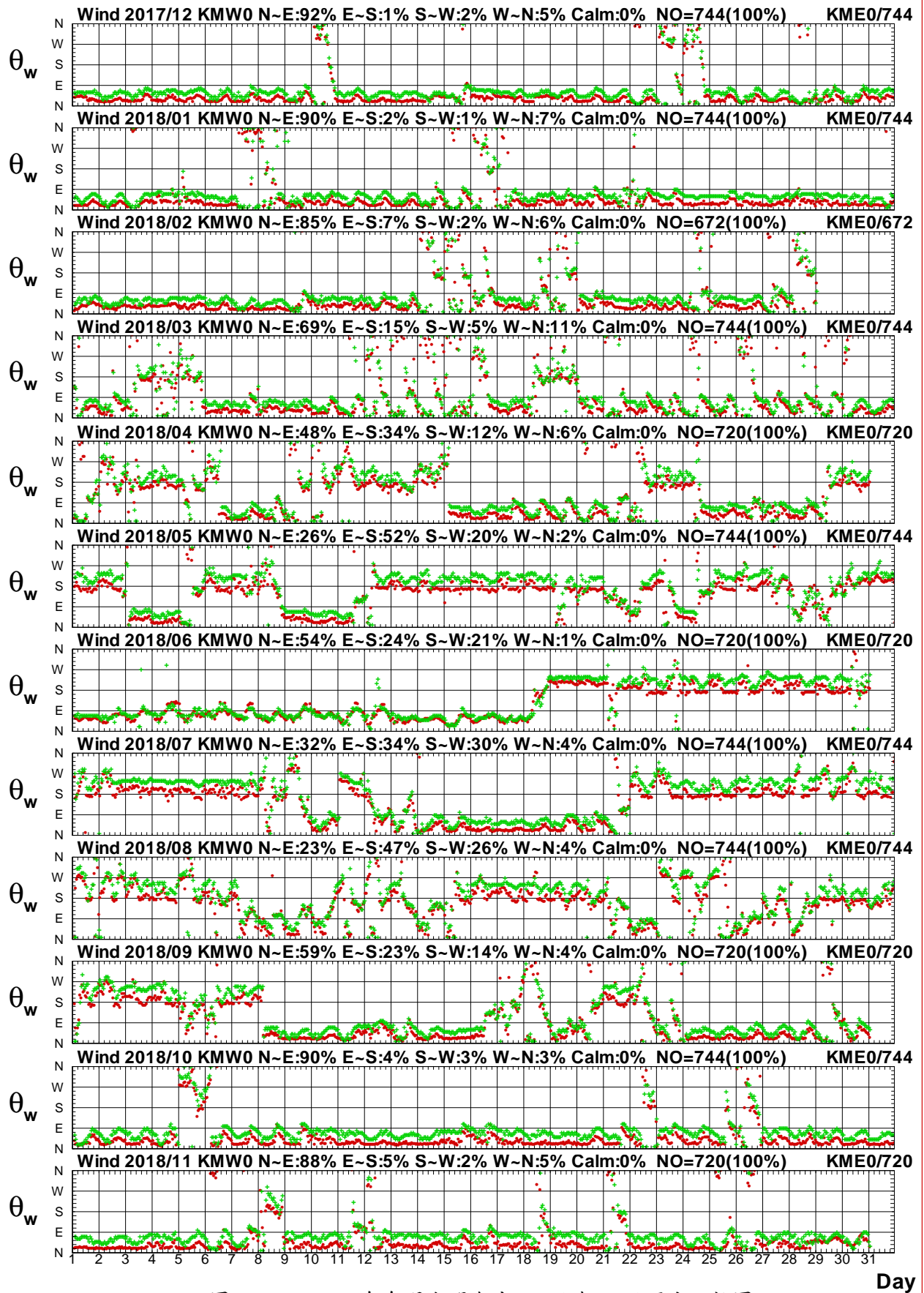


圖1.4.4b 2018年每月金門海域 W 站與 E 站風向比較圖

W17CKMW0.1HA W17CKME0.1H0 W181KMW0.1HA W181KME0.1H0 W182KMW0.1HA W182KME0.1H0
 W183KMW0.1HA W183KME0.1H0 W184KMW0.1HA W184KME0.1H0 W185KMW0.1HA W185KME0.1H0

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Wind Speed in Kin-Men seas of KMW0 at 2018

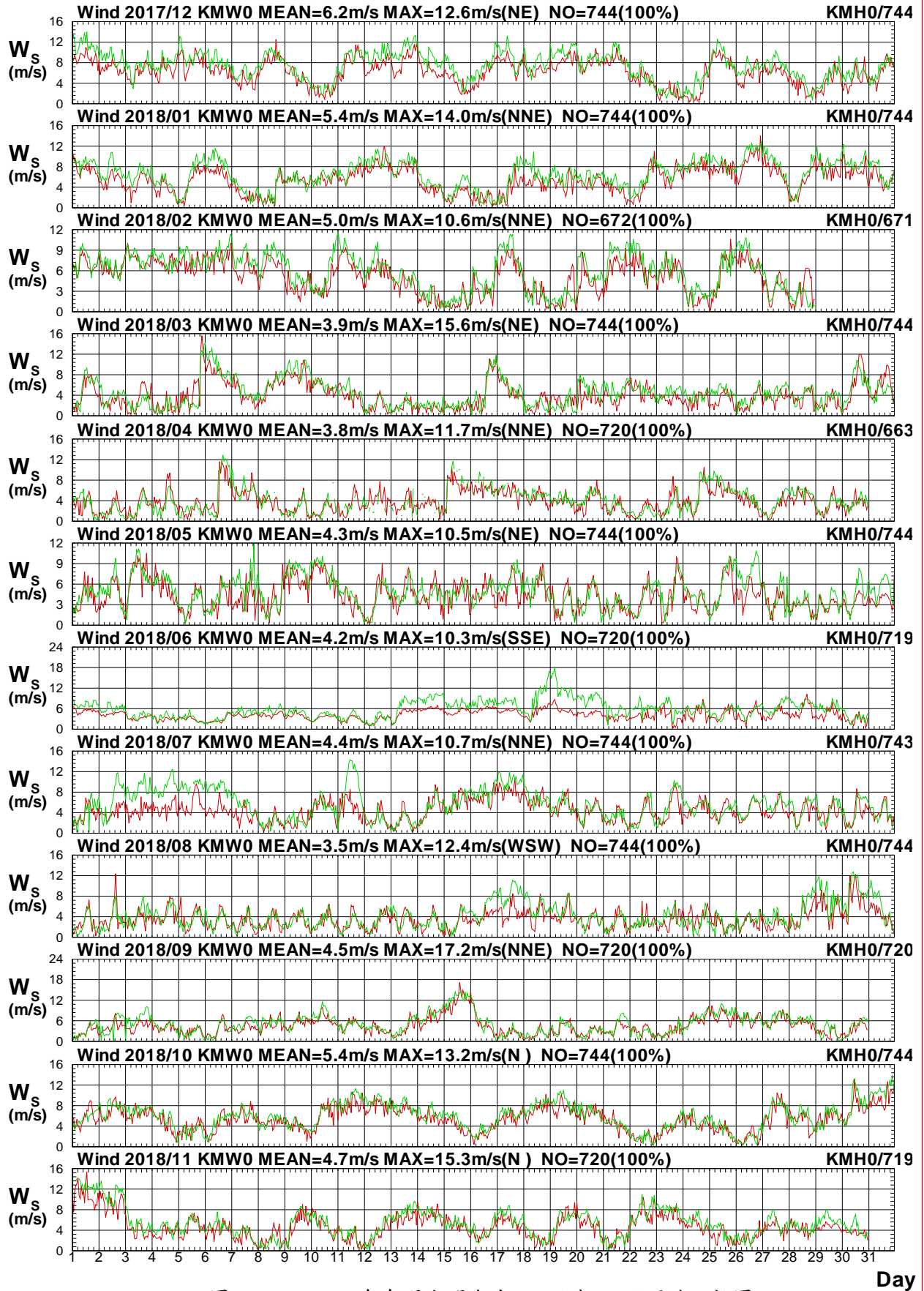


圖1.4.5a 2018年每月金門海域 W 站與 H 站風速比較圖

W17CKMW0.1HA W17CKMH0.1H0 W181KMW0.1HA W181KMH0.1H0 W182KMW0.1HA W182KMH0.1H0
 W183KMW0.1HA W183KMH0.1H0 W184KMW0.1HA W184KMH0.1H0 W185KMW0.1HA W185KMH0.1H0

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Wind Direction in Kin-Men seas of KMW0 at 2018

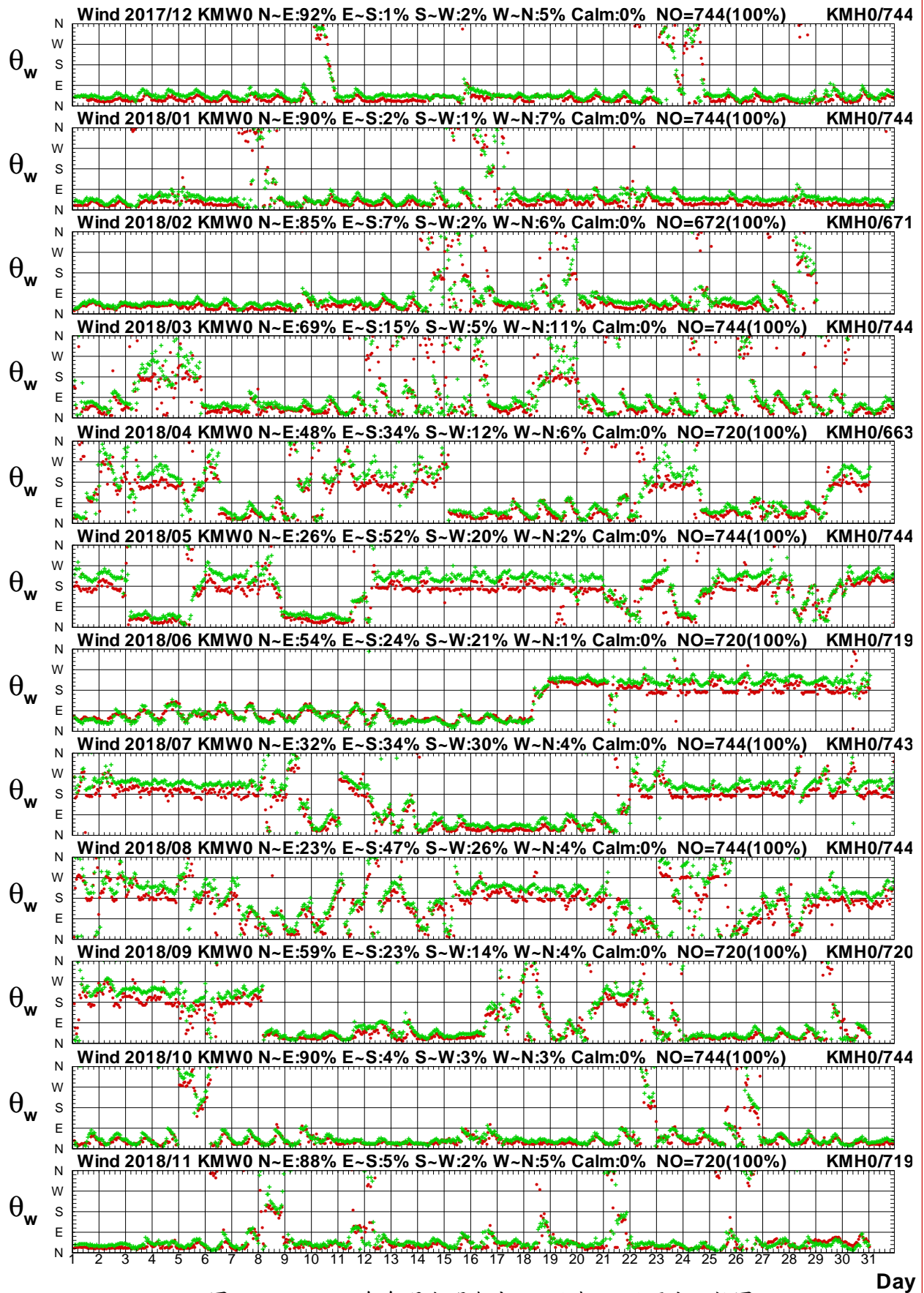


圖1.4.5b 2018年每月金門海域 W 站與 H 站風向比較圖

W17CKMW0.1HA W17CKMH0.1H0 W181KMW0.1HA W181KMH0.1H0 W182KMW0.1HA W182KMH0.1H0
 W183KMW0.1HA W183KMH0.1H0 W184KMW0.1HA W184KMH0.1H0 W185KMW0.1HA W185KMH0.1H0
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Wind Speed in Kin-Men seas of KMW0 at 2018

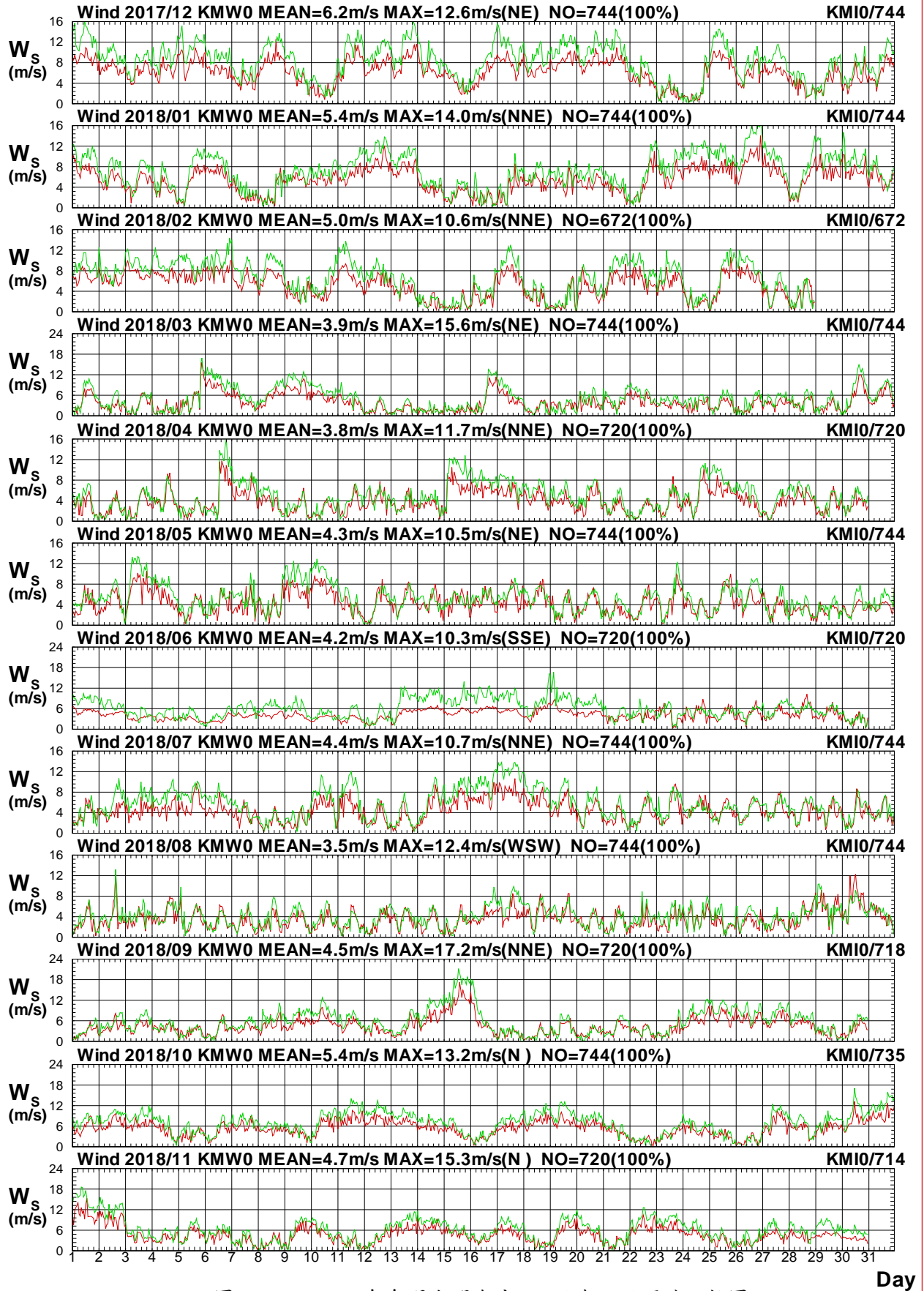


圖1.4.6a 2018年每月金門海域 W 站與 I 站風速比較圖

W17CKMW0.1HA W17CKMI0.1H0 W181KMW0.1HA W181KMI0.1H0 W182KMW0.1HA W182KMI0.1H0
 W183KMW0.1HA W183KMI0.1H0 W184KMW0.1HA W184KMI0.1H0 W185KMW0.1HA W185KMI0.1H0

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Wind Direction in Kin-Men seas of KMW0 at 2018

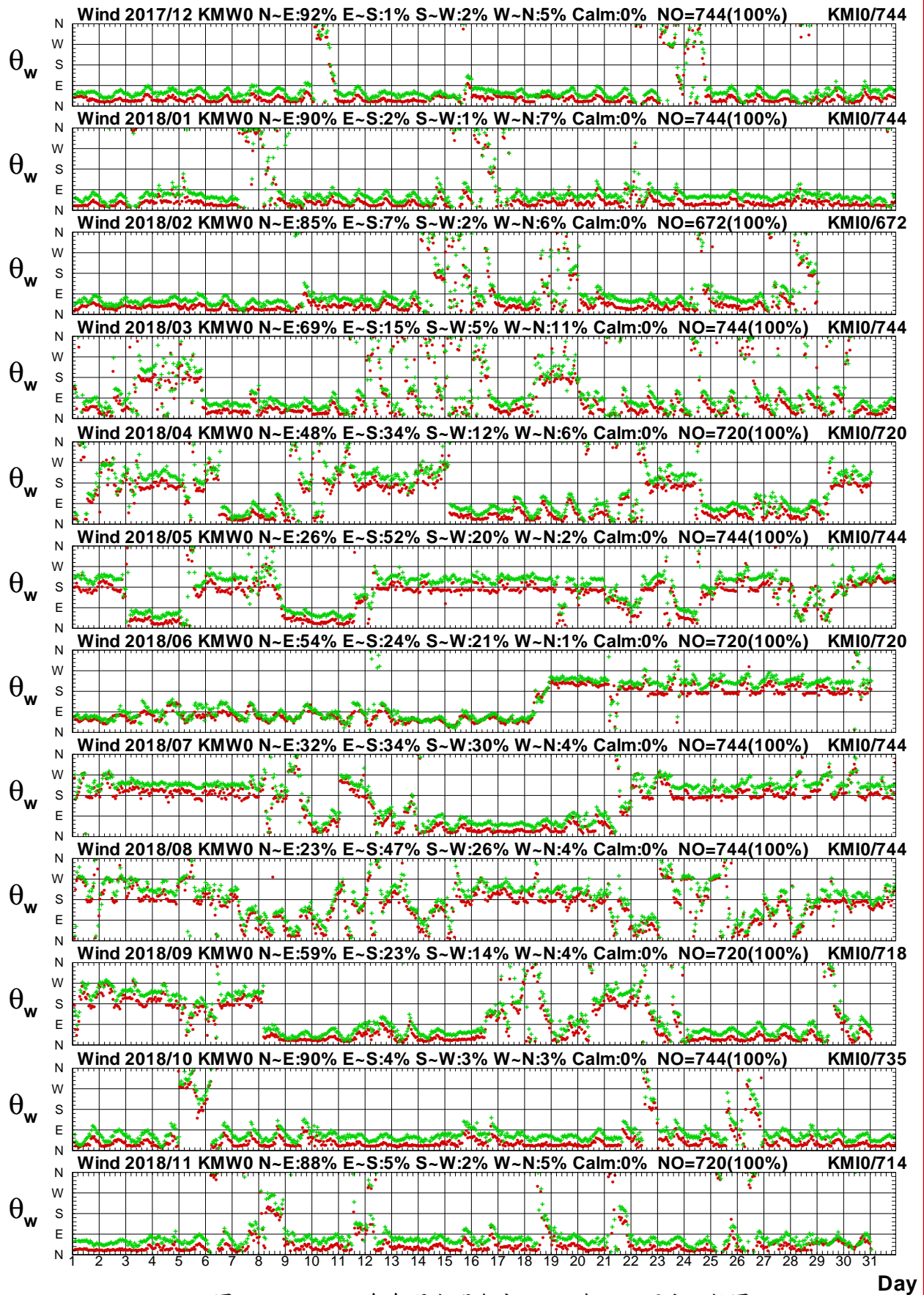


圖1.4.6b 2018年每月金門海域 W 站與 I 站風向比較圖

W17CKMW0.1HA W17CKMI0.1HO W181KMW0.1HA W181KMI0.1HO W182KMW0.1HA W182KMI0.1HO
 W183KMW0.1HA W183KMI0.1HO W184KMW0.1HA W184KMI0.1HO W185KMW0.1HA W185KMI0.1HO

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Wind Speed in Kin-Men seas of KMW0 at 2018

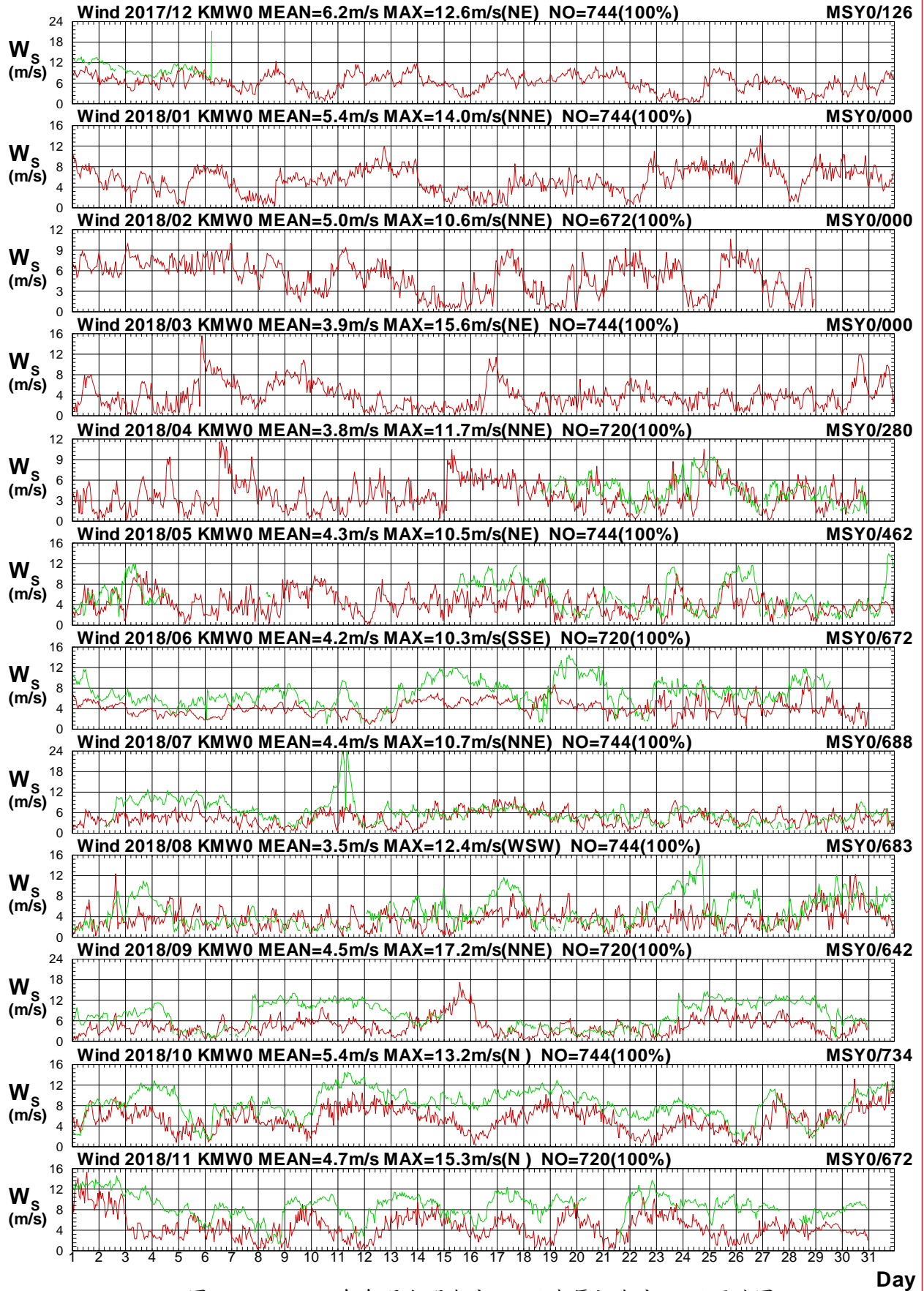


圖1.4.7a 2018年每月金門海域 W 站與馬祖海域 Y 站風速圖

W17CKMW0.1HA W17CMSY0.1H0 W181KMW0.1HA W181MSY0.1H0 W182KMW0.1HA W182MSY0.1H0
 W183KMW0.1HA W183MSY0.1H0 W184KMW0.1HA W184MSY0.1H0 W185KMW0.1HA W185MSY0.1H0

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Wind Direction in Kin-Men seas of KMW0 at 2018

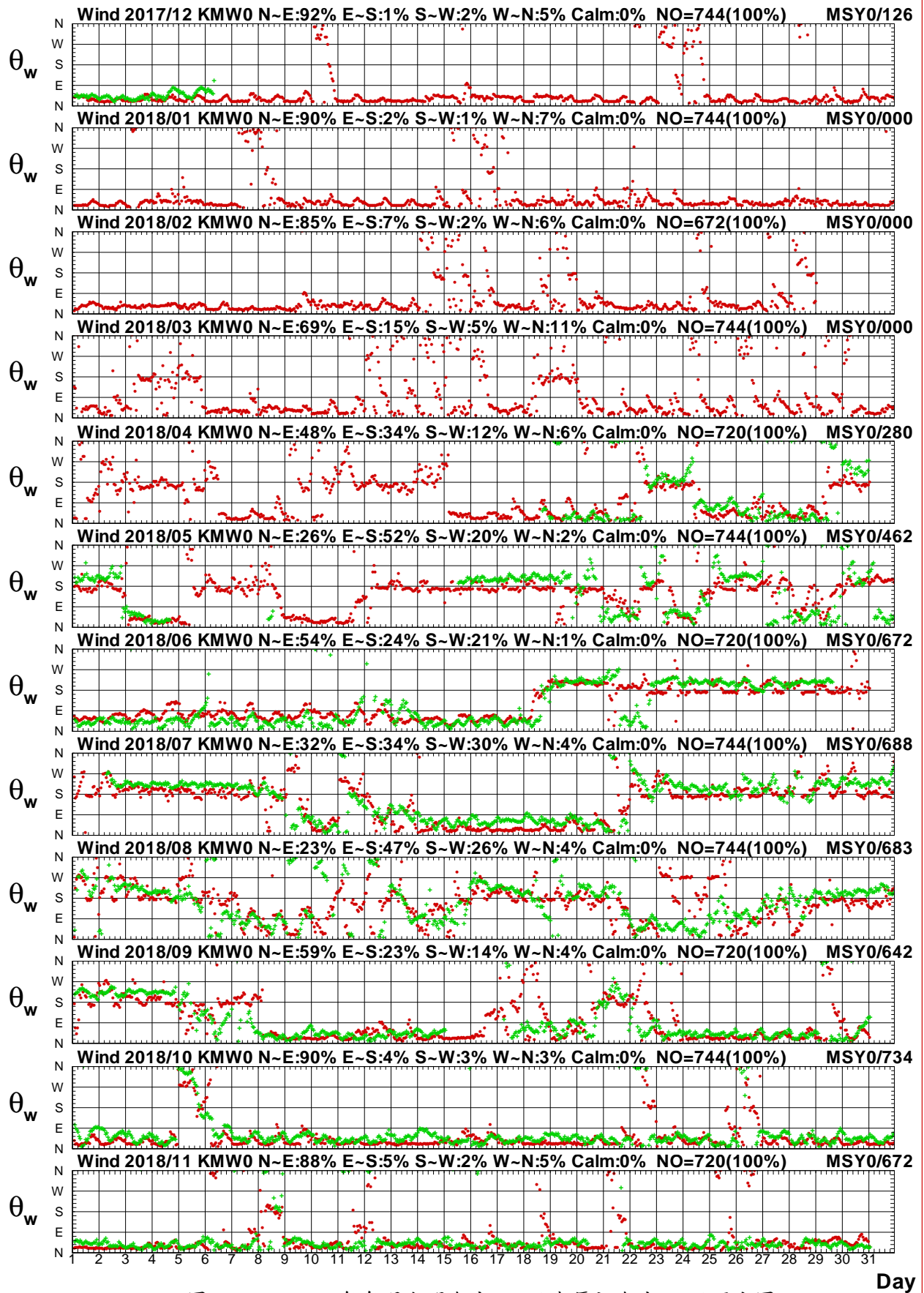


圖1.4.7b 2018年每月金門海域 W 站與馬祖海域 Y 站風向圖

W17CKMW0.1HA W17CMSY0.1H0 W181KMW0.1HA W181MSY0.1H0 W182KMW0.1HA W182MSY0.1H0
 W183KMW0.1HA W183MSY0.1H0 W184KMW0.1HA W184MSY0.1H0 W185KMW0.1HA W185MSY0.1H0

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Wind Speed in Kin-Men seas of KMW0 at 2018

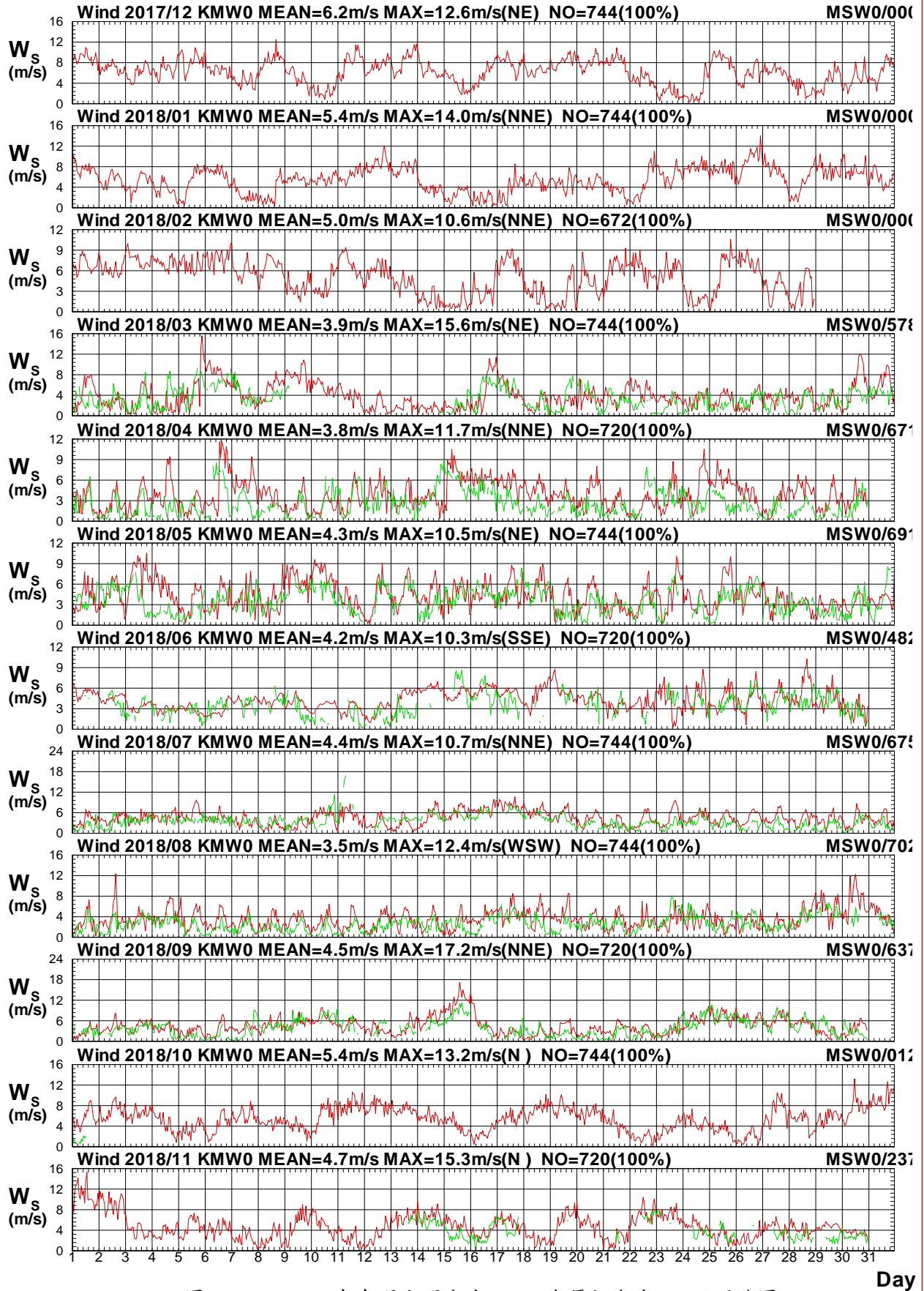


圖1.4.8a 2018年每月金門海域 W 站與馬祖海域 W 站風速圖

W17CKMW0.1HA W17CMSW0.1H0 W181KMW0.1HA W181MSW0.1H0 W182KMW0.1HA W182MSW0.1H0
 W183KMW0.1HA W183MSW0.1H0 W184KMW0.1HA W184MSW0.1H0 W185KMW0.1HA W185MSW0.1H0
 Institute of Harbor & Marine Technology

Wind Direction in Kin-Men seas of KMW0 at 2018

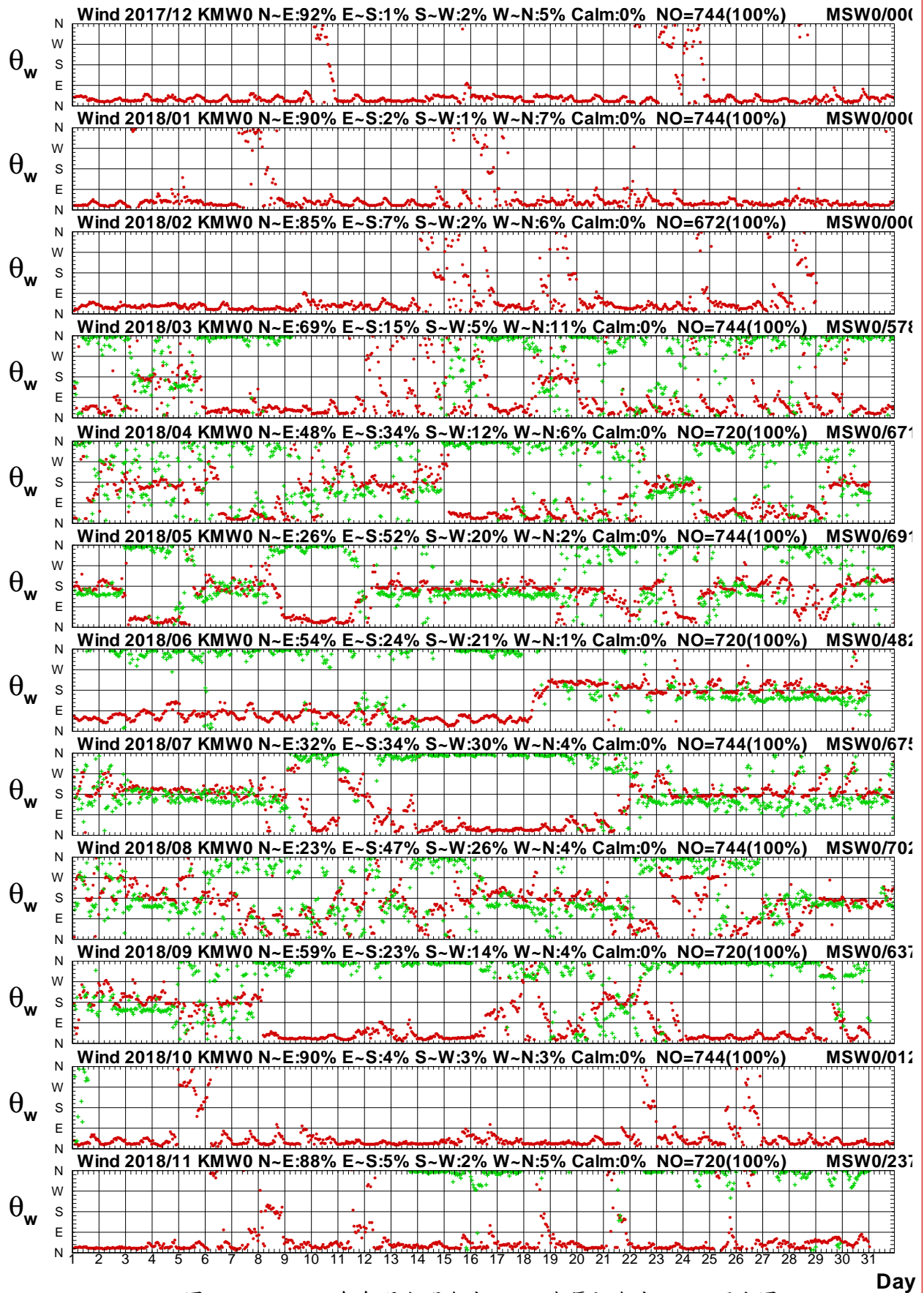


圖1.4.8b 2018年每月金門海域 W 站與馬祖海域 W 站風向圖

W17CKMW0.1HA W17CMSW0.1H0 W181KMW0.1HA W181MSW0.1H0 W182KMW0.1HA W182MSW0.1H0
 W183KMW0.1HA W183MSW0.1H0 W184KMW0.1HA W184MSW0.1H0 W185KMW0.1HA W185MSW0.1H0
 Institute of Harbor & Marine Technology

Wind Speed in Kin-Men seas of KMW0 at 2018

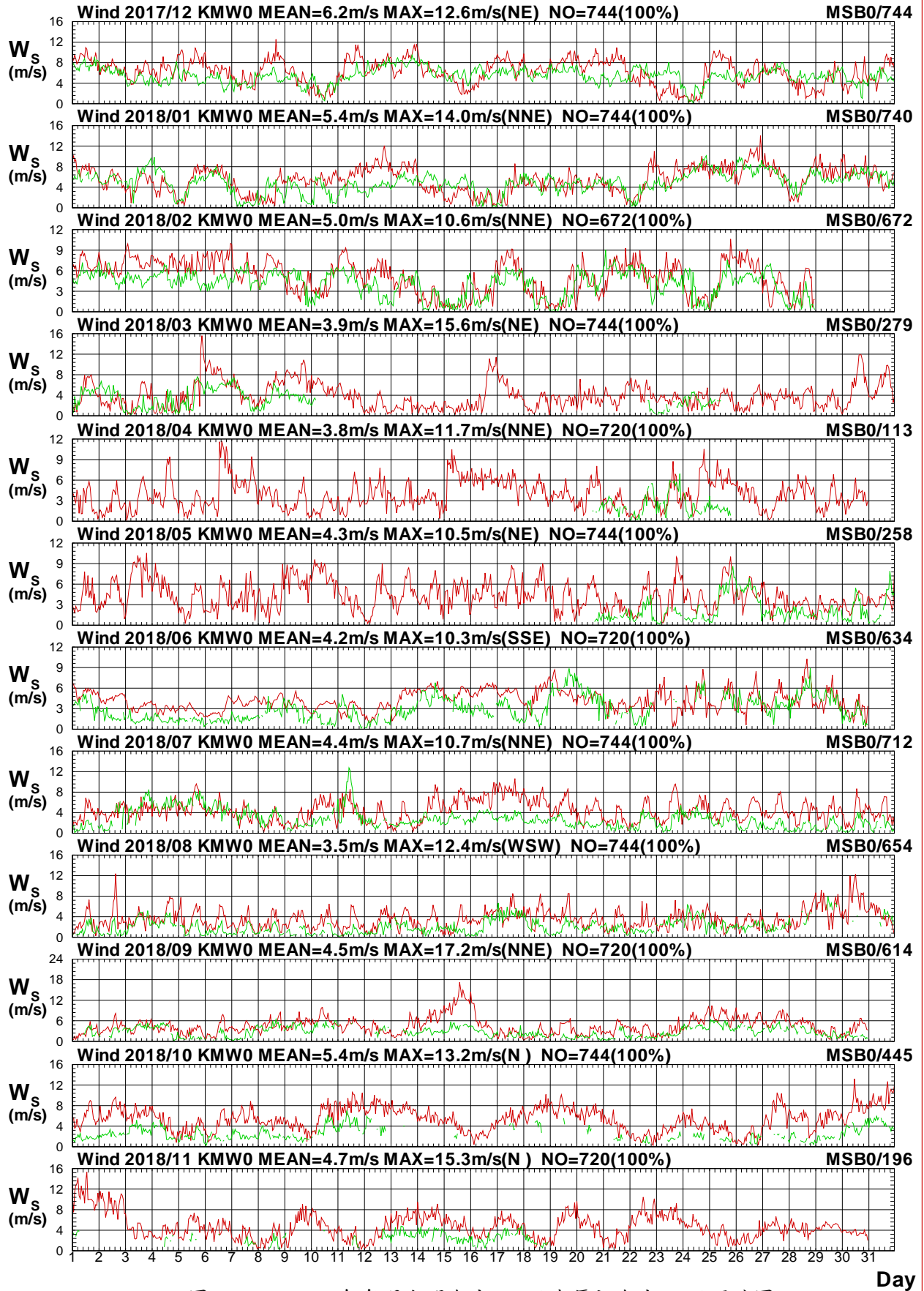


圖1.4.9a 2018年每月金門海域 W 站與馬祖海域 B 站風速圖

W17CKMW0.1HA W17CMSB0.1H0 W181KMW0.1HA W181MSB0.1H0 W182KMW0.1HA W182MSB0.1H0
 W183KMW0.1HA W183MSB0.1H0 W184KMW0.1HA W184MSB0.1H0 W185KMW0.1HA W185MSB0.1H0

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Wind Direction in Kin-Men seas of KMW0 at 2018

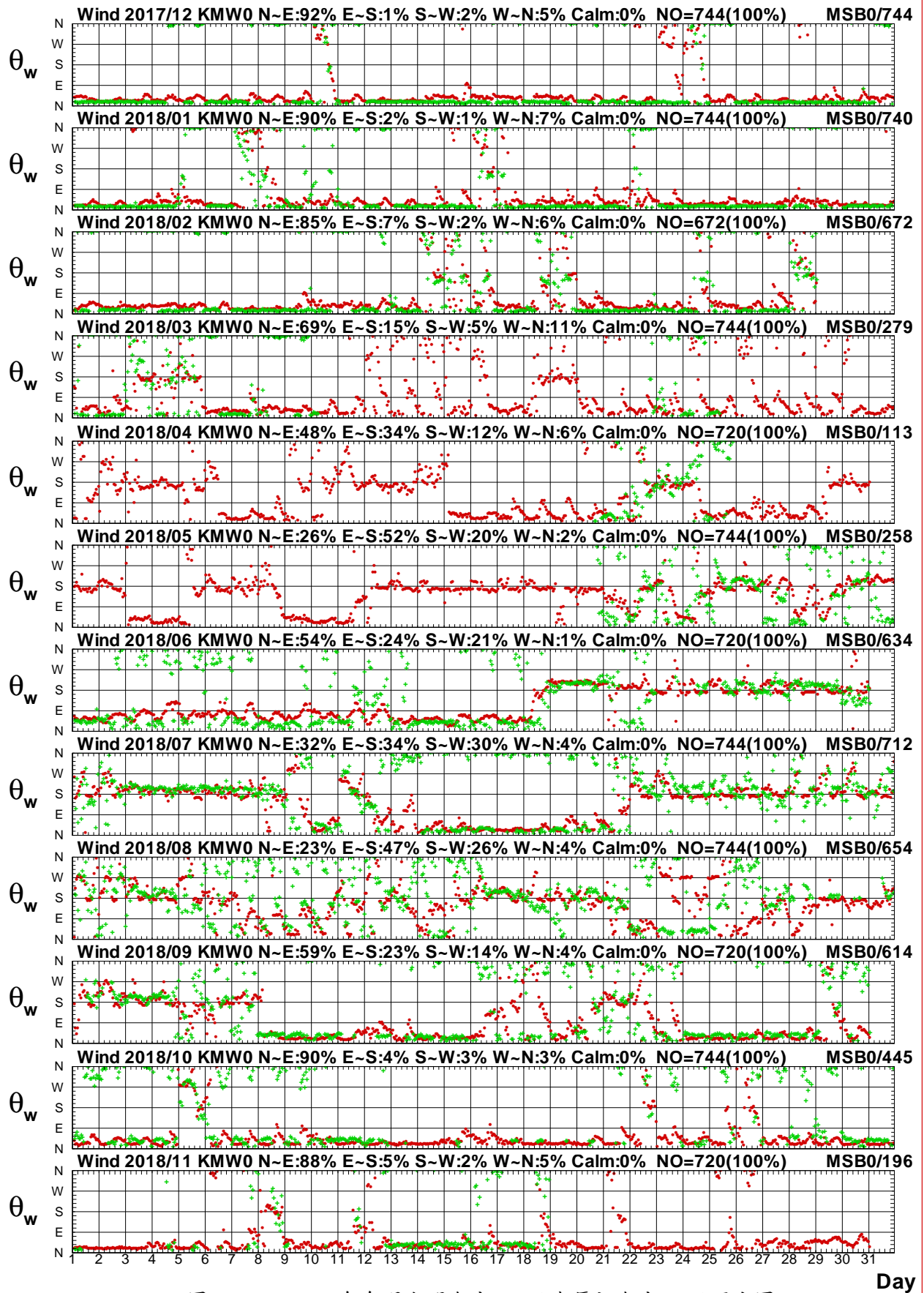


圖 1.4.9b 2018年每月金門海域 W 站與馬祖海域 B 站風向圖

W17CKMW0.1HA W17CMSB0.1H0 W181KMW0.1HA W181MSB0.1H0 W182KMW0.1HA W182MSB0.1H0
 W183KMW0.1HA W183MSB0.1H0 W184KMW0.1HA W184MSB0.1H0 W185KMW0.1HA W185MSB0.1H0

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Wind Speed in Kin-Men seas of KMW0 at 2018

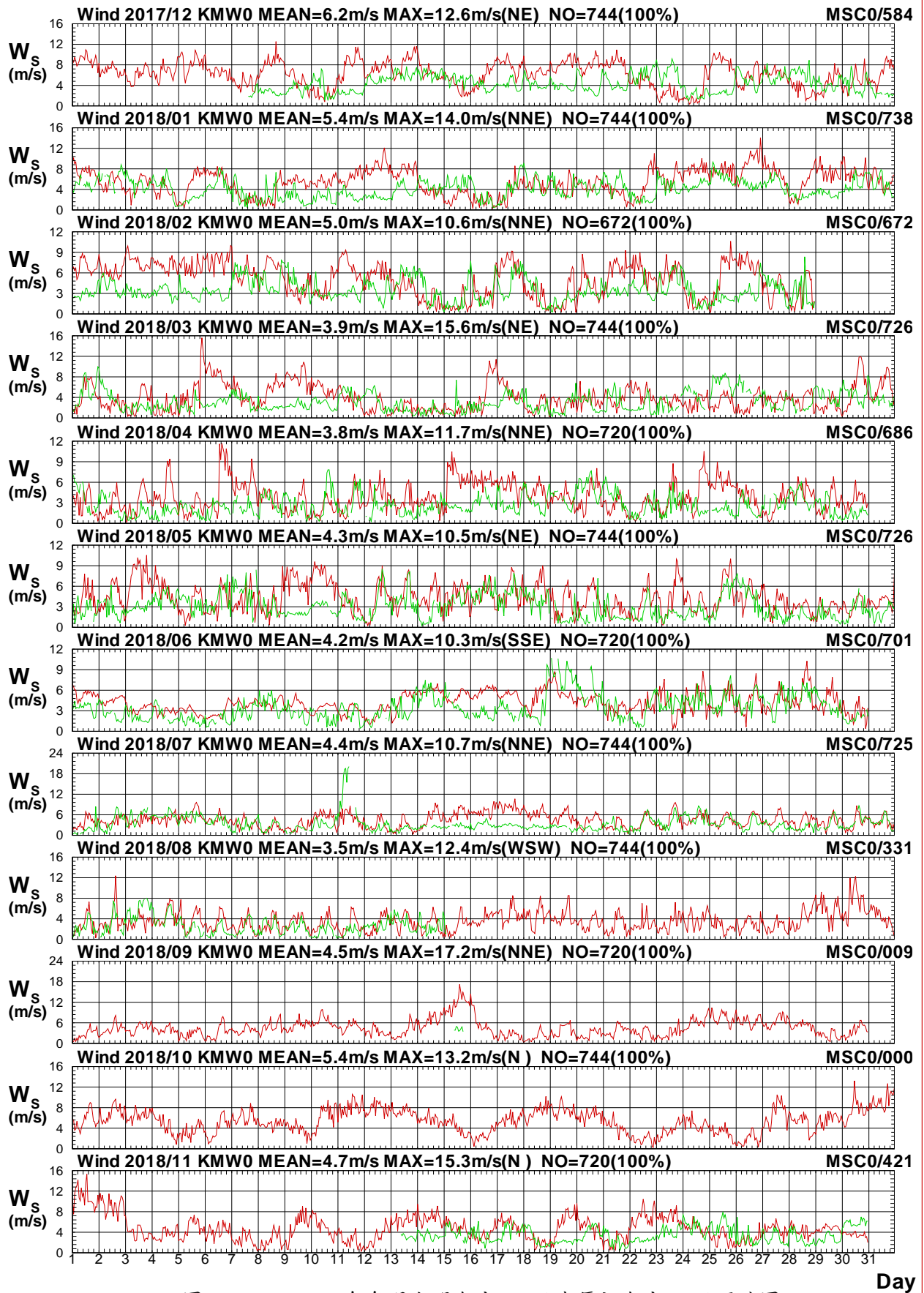


圖1.4.10a 2018年每月金門海域 W 站與馬祖海域 C 站風速圖

W17CKMW0.1HA W17CMSC0.1H0 W181KMW0.1HA W181MSC0.1H0 W182KMW0.1HA W182MSC0.1H0
 W183KMW0.1HA W183MSC0.1H0 W184KMW0.1HA W184MSC0.1H0 W185KMW0.1HA W185MSC0.1H0

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Wind Direction in Kin-Men seas of KMW0 at 2018

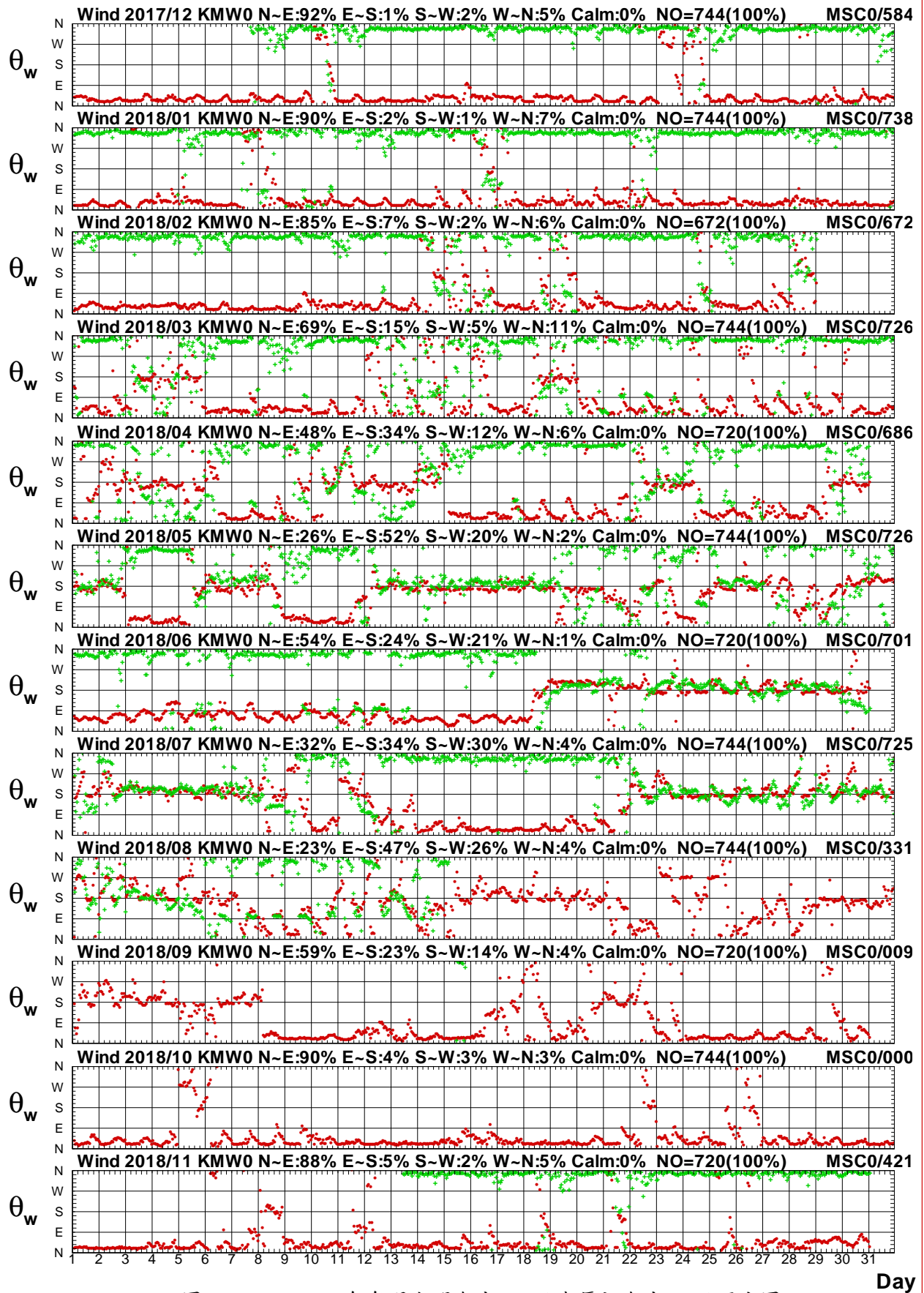


圖 1.4.10b 2018年每月金門海域 W 站與馬祖海域 C 站風向圖

W17CKMW0.1HA W17CMSC0.1H0 W181KMW0.1HA W181MSC0.1H0 W182KMW0.1HA W182MSC0.1H0
 W183KMW0.1HA W183MSC0.1H0 W184KMW0.1HA W184MSC0.1H0 W185KMW0.1HA W185MSC0.1H0
 Institute of Harbor & Marine Technology

Wind Speed in Kin-Men seas of KMW0 at 2018

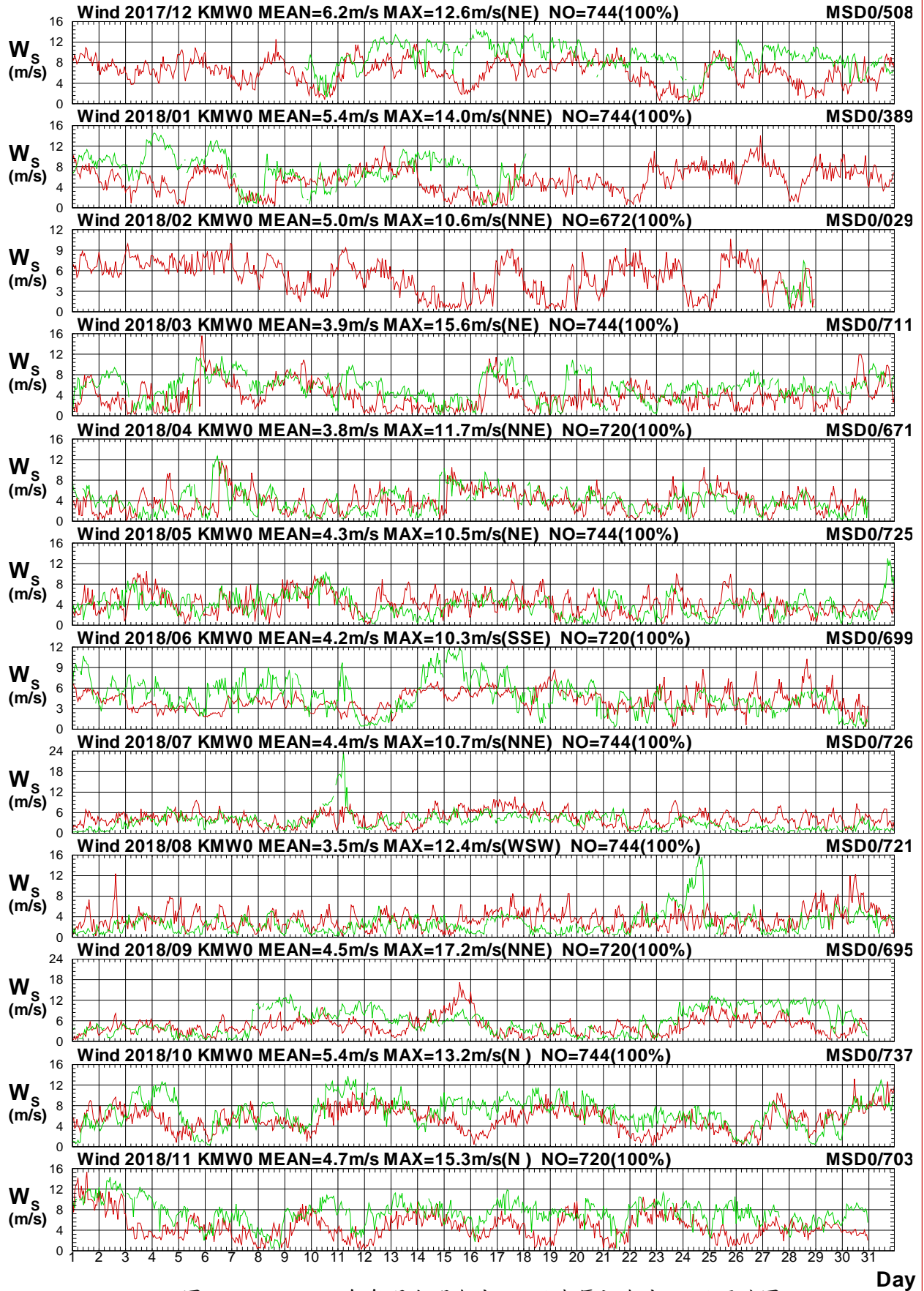


圖1.4.11a 2018年每月金門海域 W 站與馬祖海域 D 站風速圖

W17CKMW0.1HA W17CMSD0.1H0 W181KMW0.1HA W181MSD0.1H0 W182KMW0.1HA W182MSD0.1H0
 W183KMW0.1HA W183MSD0.1H0 W184KMW0.1HA W184MSD0.1H0 W185KMW0.1HA W185MSD0.1H0
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Wind Direction in Kin-Men seas of KMW0 at 2018

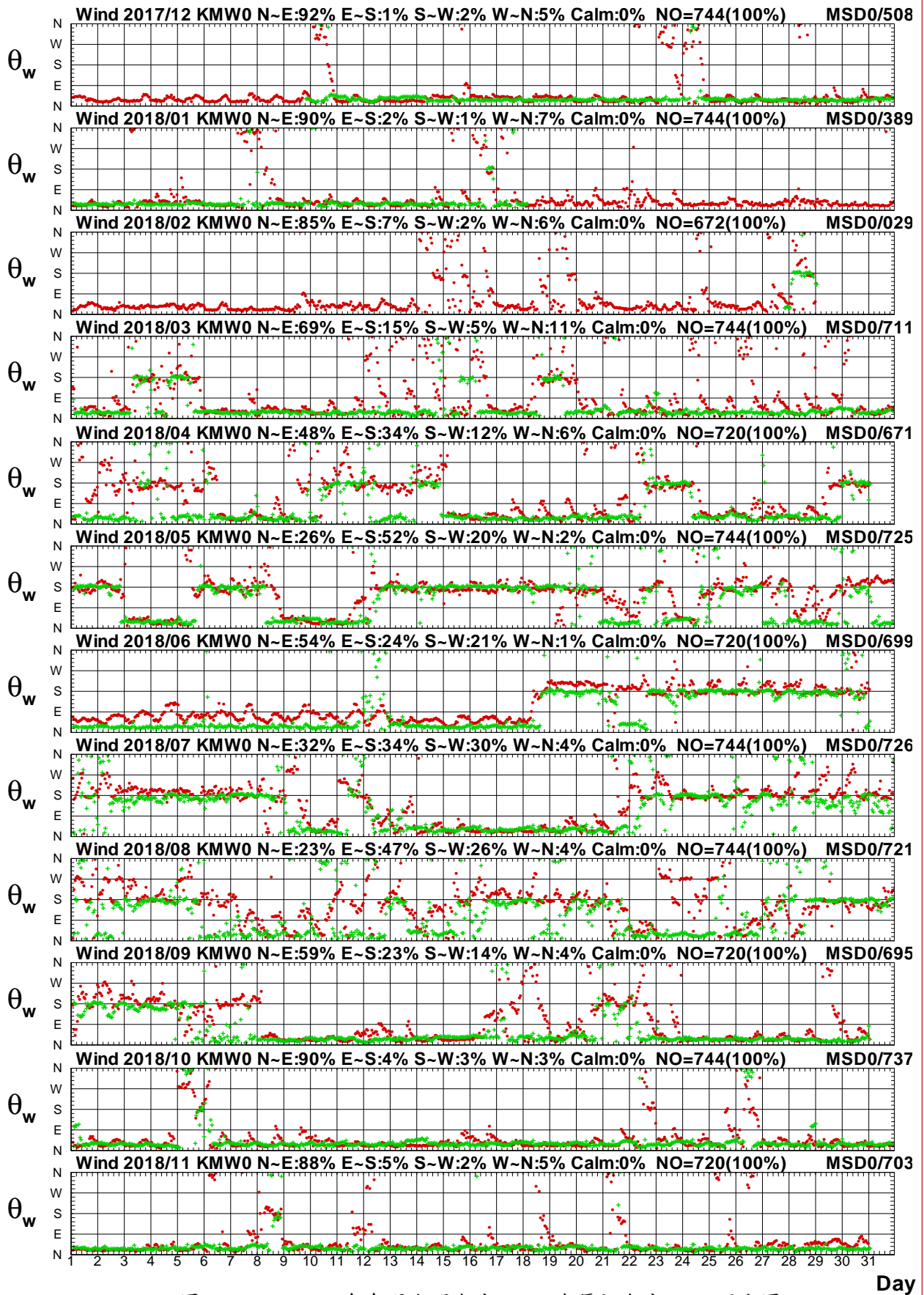


圖 1.4.11b 2018年每月金門海域 W 站與馬祖海域 D 站風向圖

W17CKMW0.1HA W17CMSD0.1H0 W181KMW0.1HA W181MSD0.1H0 W182KMW0.1HA W182MSD0.1H0
 W183KMW0.1HA W183MSD0.1H0 W184KMW0.1HA W184MSD0.1H0 W185KMW0.1HA W185MSD0.1H0

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Wind Speed in Kin-Men seas of KMW0 at 2018

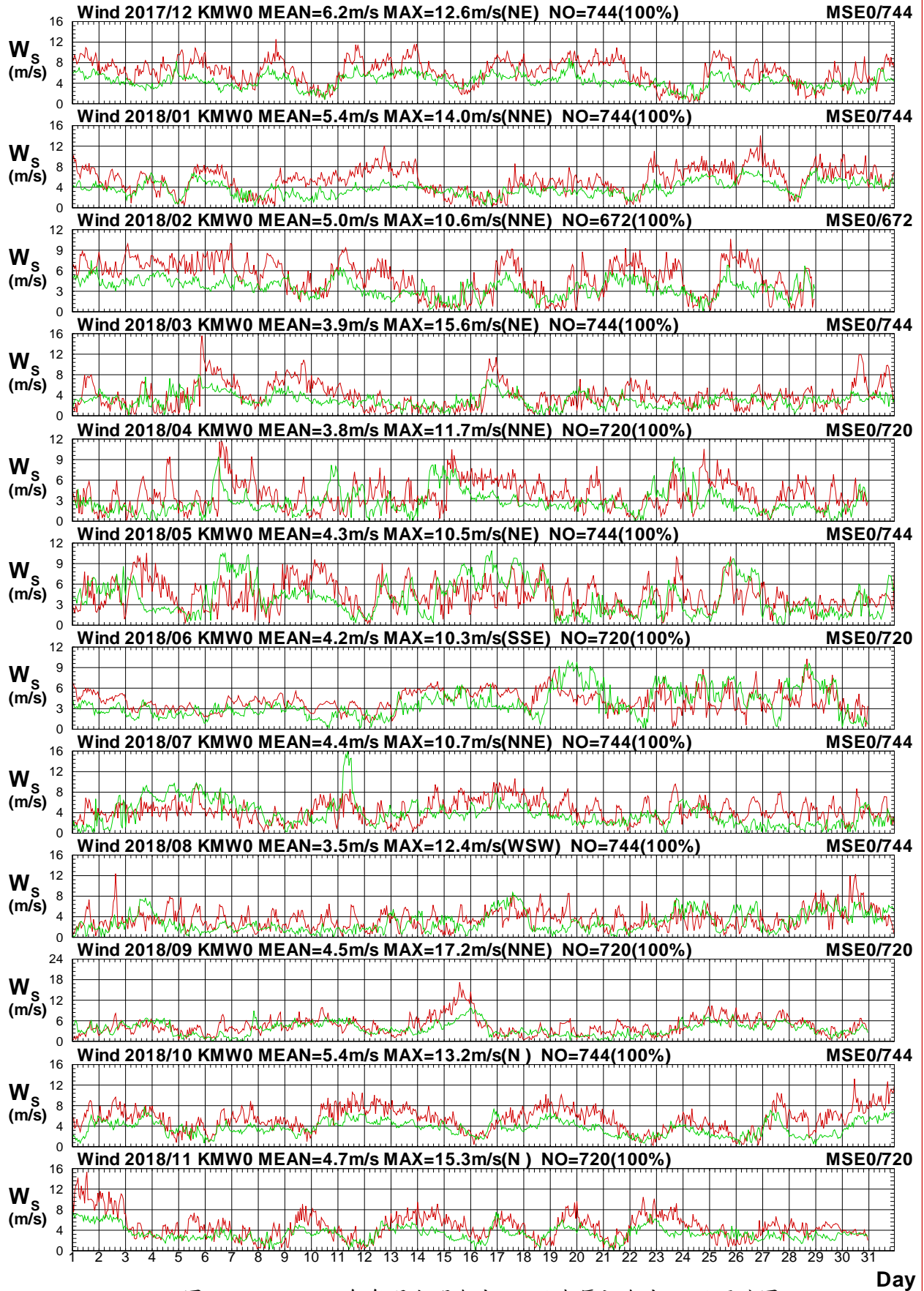


圖1.4.12a 2018年每月金門海域 W 站與馬祖海域 E 站風速圖

W17CKMW0.1HA W17CMSE0.1H0 W181KMW0.1HA W181MSE0.1H0 W182KMW0.1HA W182MSE0.1H0
 W183KMW0.1HA W183MSE0.1H0 W184KMW0.1HA W184MSE0.1H0 W185KMW0.1HA W185MSE0.1H0

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Wind Direction in Kin-Men seas of KMW0 at 2018

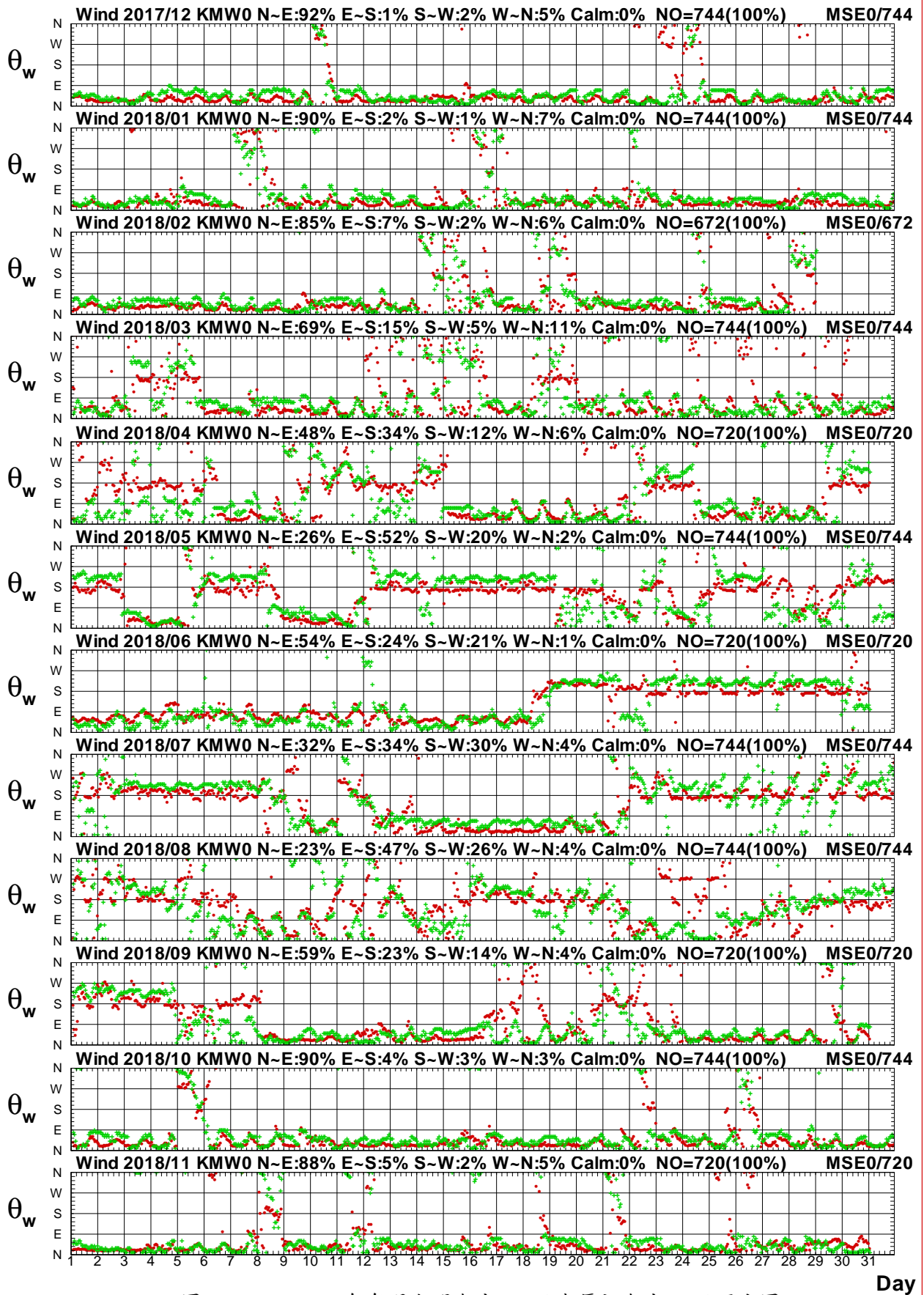


圖 1.4.12b 2018年每月金門海域 W 站與馬祖海域 E 站風向圖

W17CKMW0.1HA W17CMSE0.1H0 W181KMW0.1HA W181MSE0.1H0 W182KMW0.1HA W182MSE0.1H0
 W183KMW0.1HA W183MSE0.1H0 W184KMW0.1HA W184MSE0.1H0 W185KMW0.1HA W185MSE0.1H0

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Wind Speed in Kin-Men seas of KMW0 at 2018

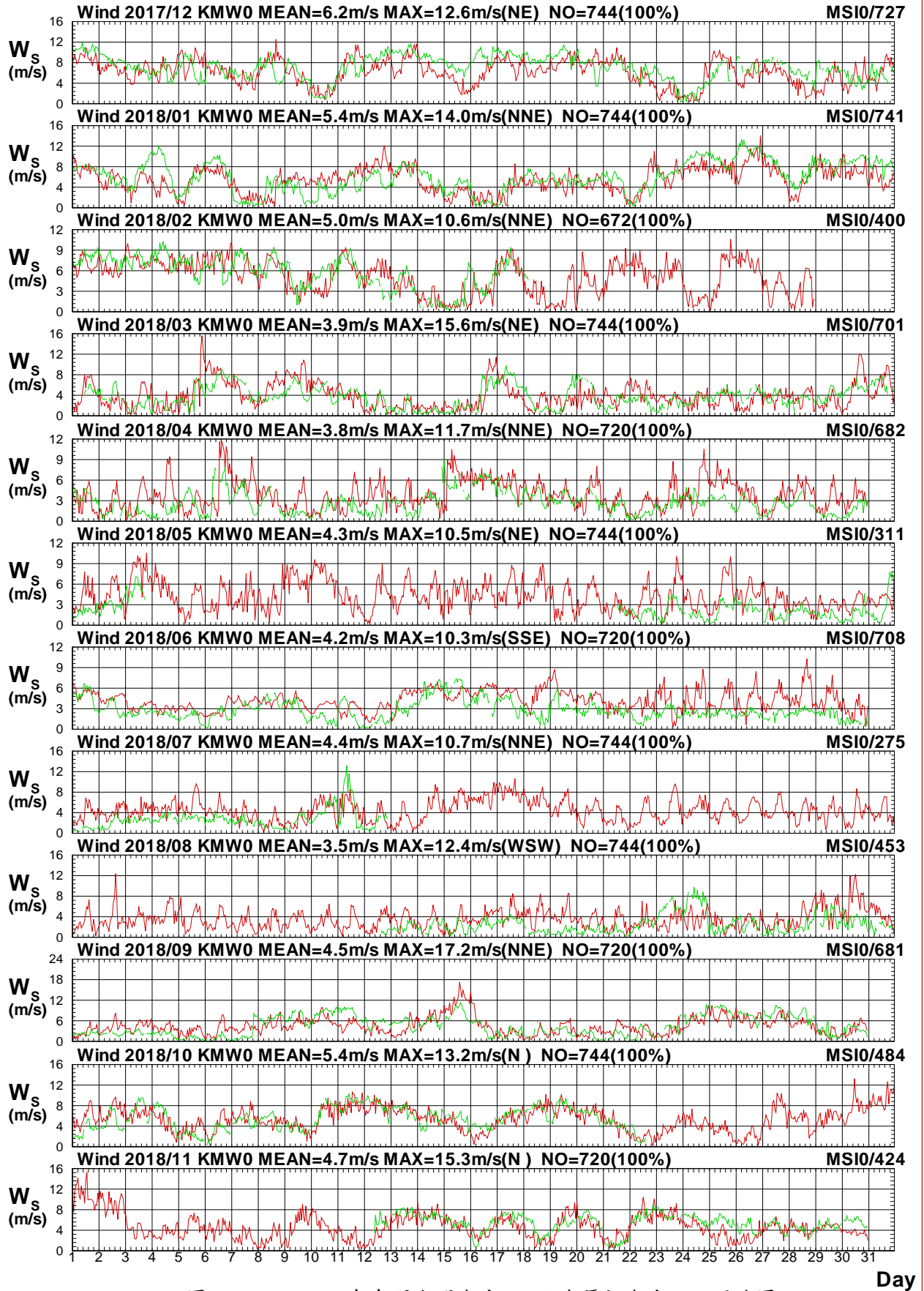


圖1.4.13a 2018年每月金門海域 W 站與馬祖海域 I 站風速圖

W17CKMW0.1HA W17CMSIO.1H0 W181KMW0.1HA W181MSIO.1H0 W182KMW0.1HA W182MSIO.1H0
 W183KMW0.1HA W183MSIO.1H0 W184KMW0.1HA W184MSIO.1H0 W185KMW0.1HA W185MSIO.1H0

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Wind Direction in Kin-Men seas of KMW0 at 2018

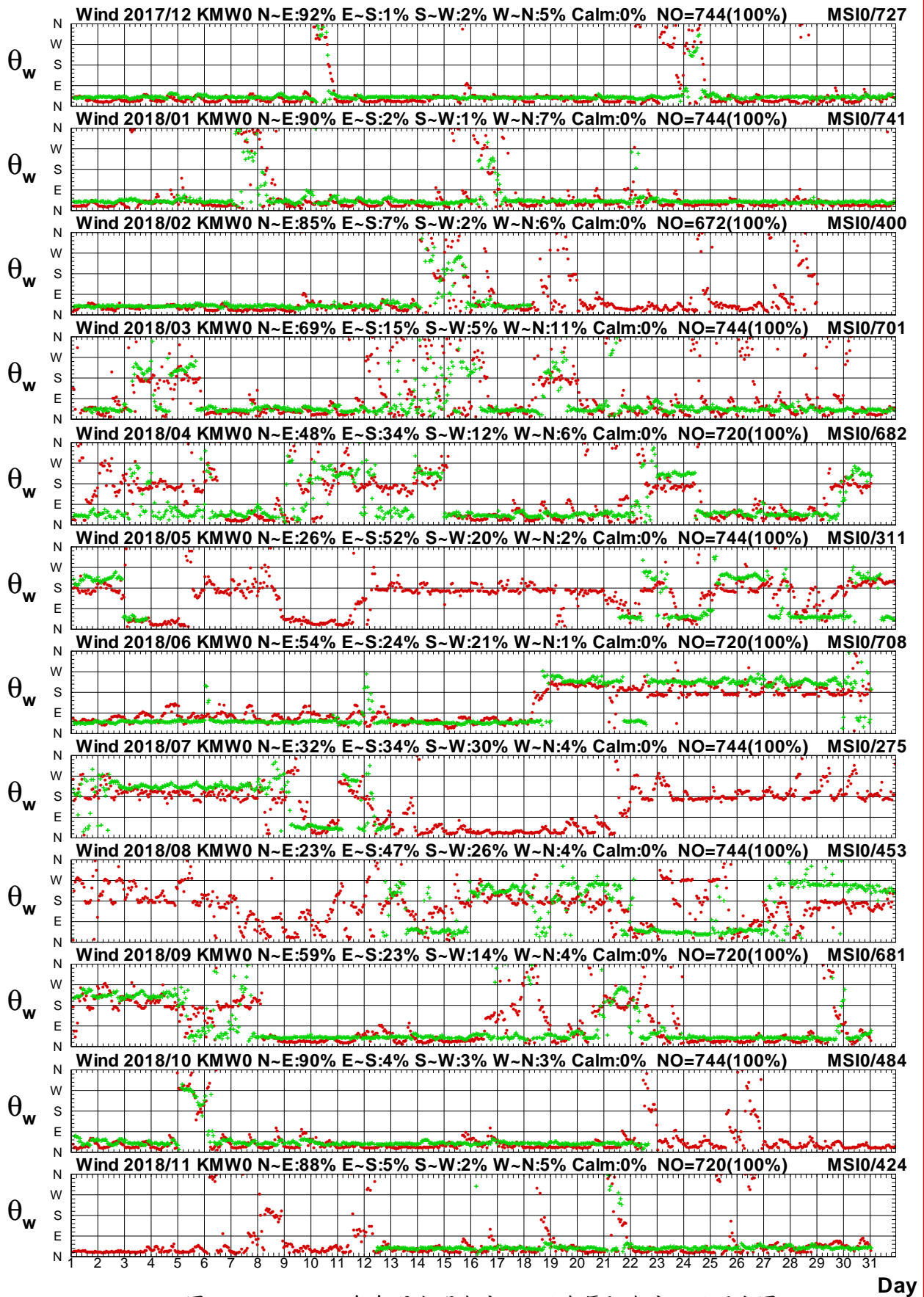


圖1.4.13b 2018年每月金門海域 W 站與馬祖海域 I 站風向圖

W17CKMW0.1HA W17CMSI0.1H0 W181KMW0.1HA W181MSI0.1H0 W182KMW0.1HA W182MSI0.1H0
 W183KMW0.1HA W183MSI0.1H0 W184KMW0.1HA W184MSI0.1H0 W185KMW0.1HA W185MSI0.1H0

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Wind Speed in Kin-Men seas of KMW0 at 2018

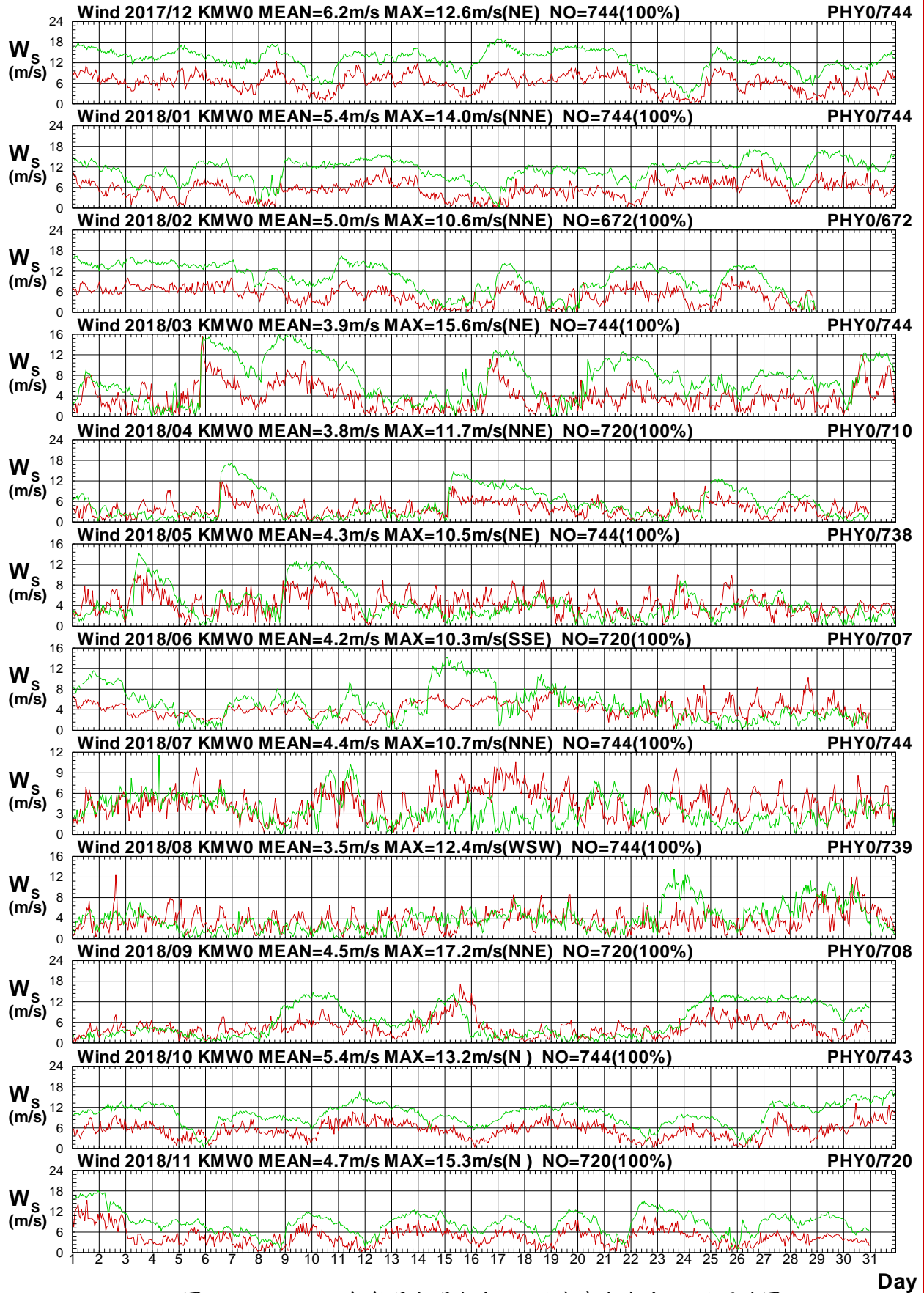


圖 1.4.14a 2018年每月金門海域 W 站與澎湖海域 Y 站風速圖

W17CKMW0.1HA W17CPHY0.1H0 W181KMW0.1HA W181PHY0.1H0 W182KMW0.1HA W182PHY0.1H0
 W183KMW0.1HA W183PHY0.1H0 W184KMW0.1HA W184PHY0.1H0 W185KMW0.1HA W185PHY0.1H0

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Wind Direction in Kin-Men seas of KMW0 at 2018

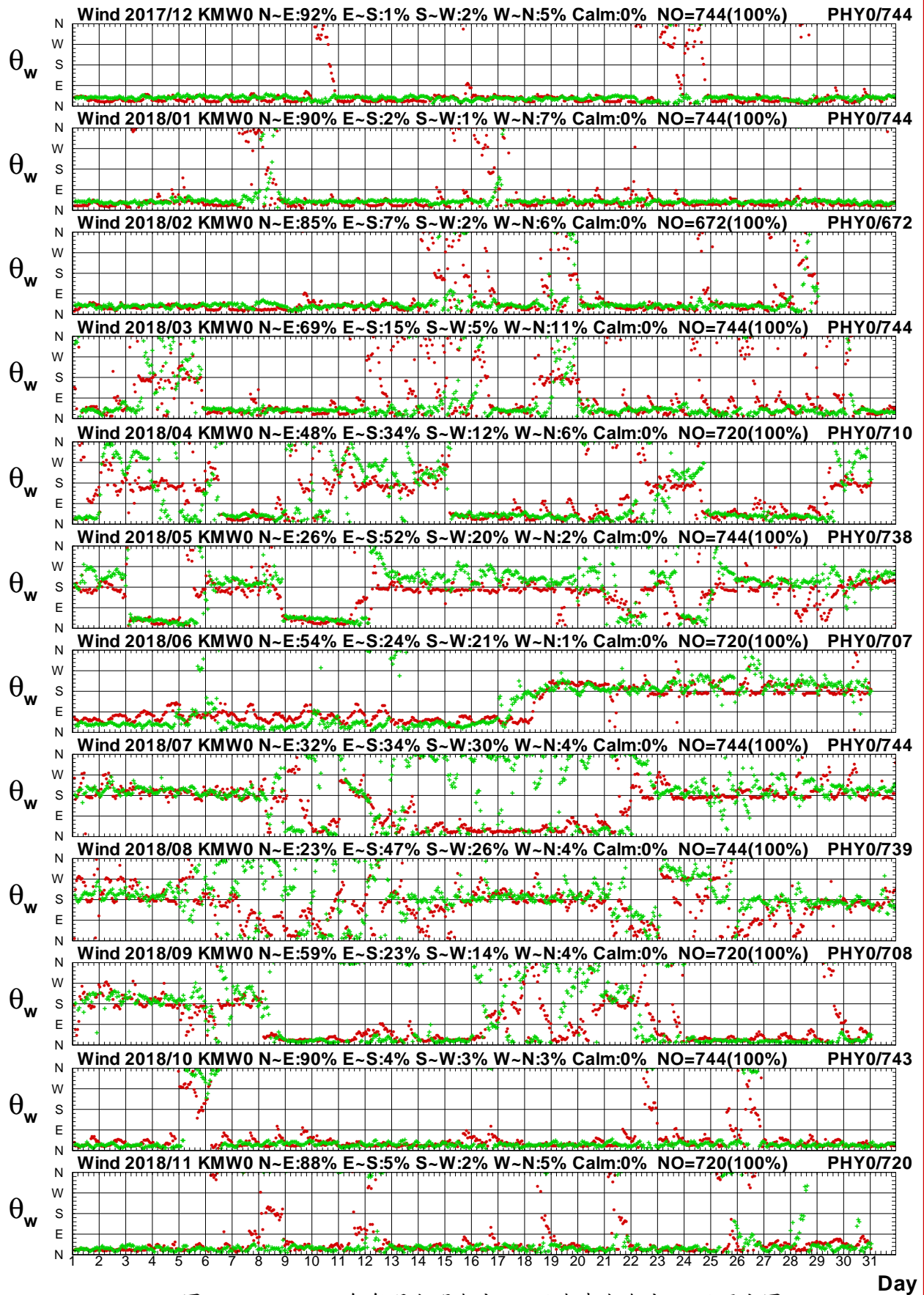


圖 1.4.14b 2018年每月金門海域 W 站與澎湖海域 Y 站風向圖

W17CKMW0.1HA W17CPHY0.1H0 W181KMW0.1HA W181PHY0.1H0 W182KMW0.1HA W182PHY0.1H0
 W183KMW0.1HA W183PHY0.1H0 W184KMW0.1HA W184PHY0.1H0 W185KMW0.1HA W185PHY0.1H0

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Wind Speed in Kin-Men seas of KMW0 at 2018

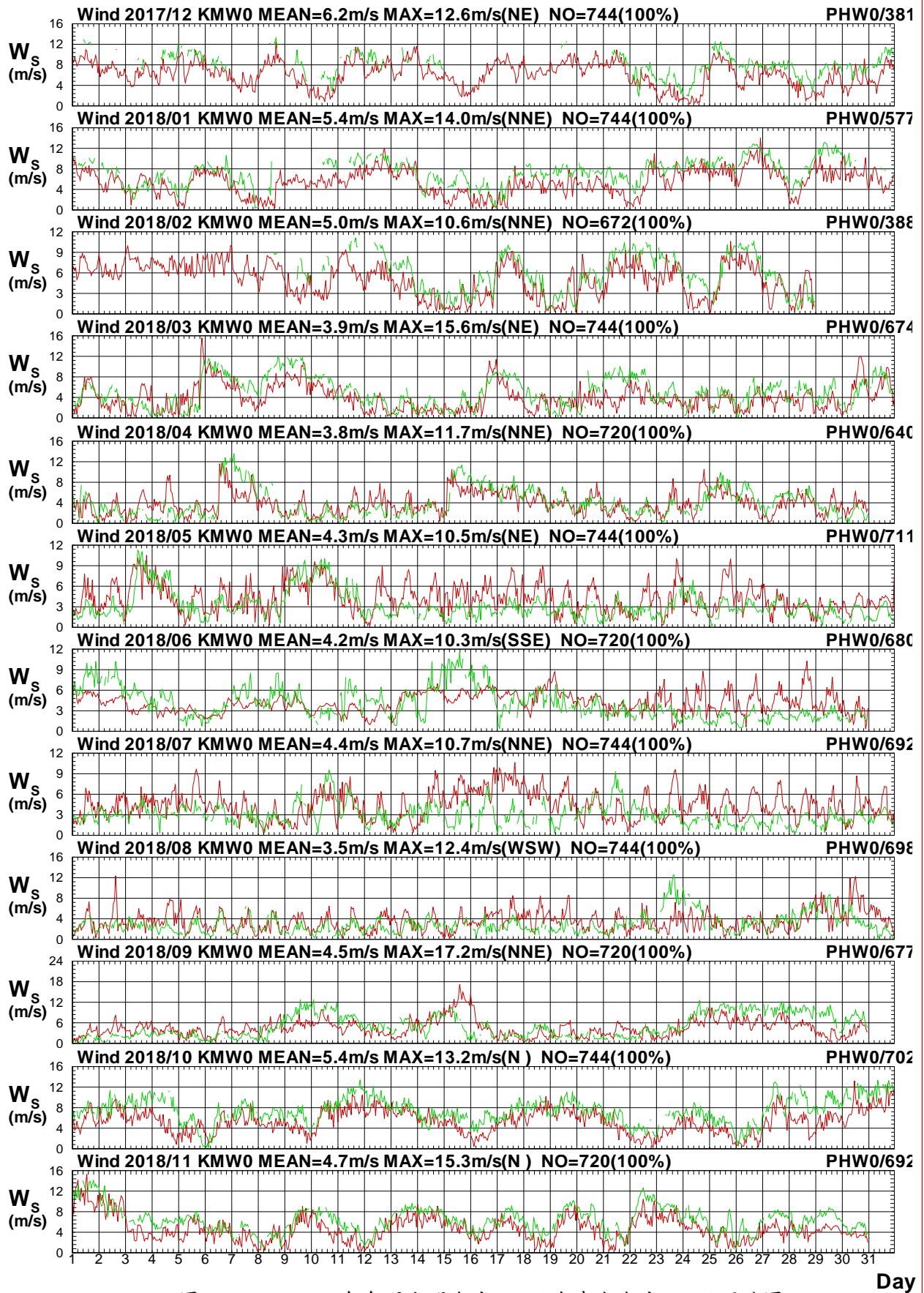


圖 1.4.15a 2018 年每月金門海域 W 站與澎湖海域 W 站風速圖

W17CKMW0.1HA W17CPHW0.1H0 W181KMW0.1HA W181PHW0.1H0 W182KMW0.1HA W182PHW0.1H0
 W183KMW0.1HA W183PHW0.1H0 W184KMW0.1HA W184PHW0.1H0 W185KMW0.1HA W185PHW0.1H0
 Institute of Harbor & Marine Technology

Wind Direction in Kin-Men seas of KMW0 at 2018

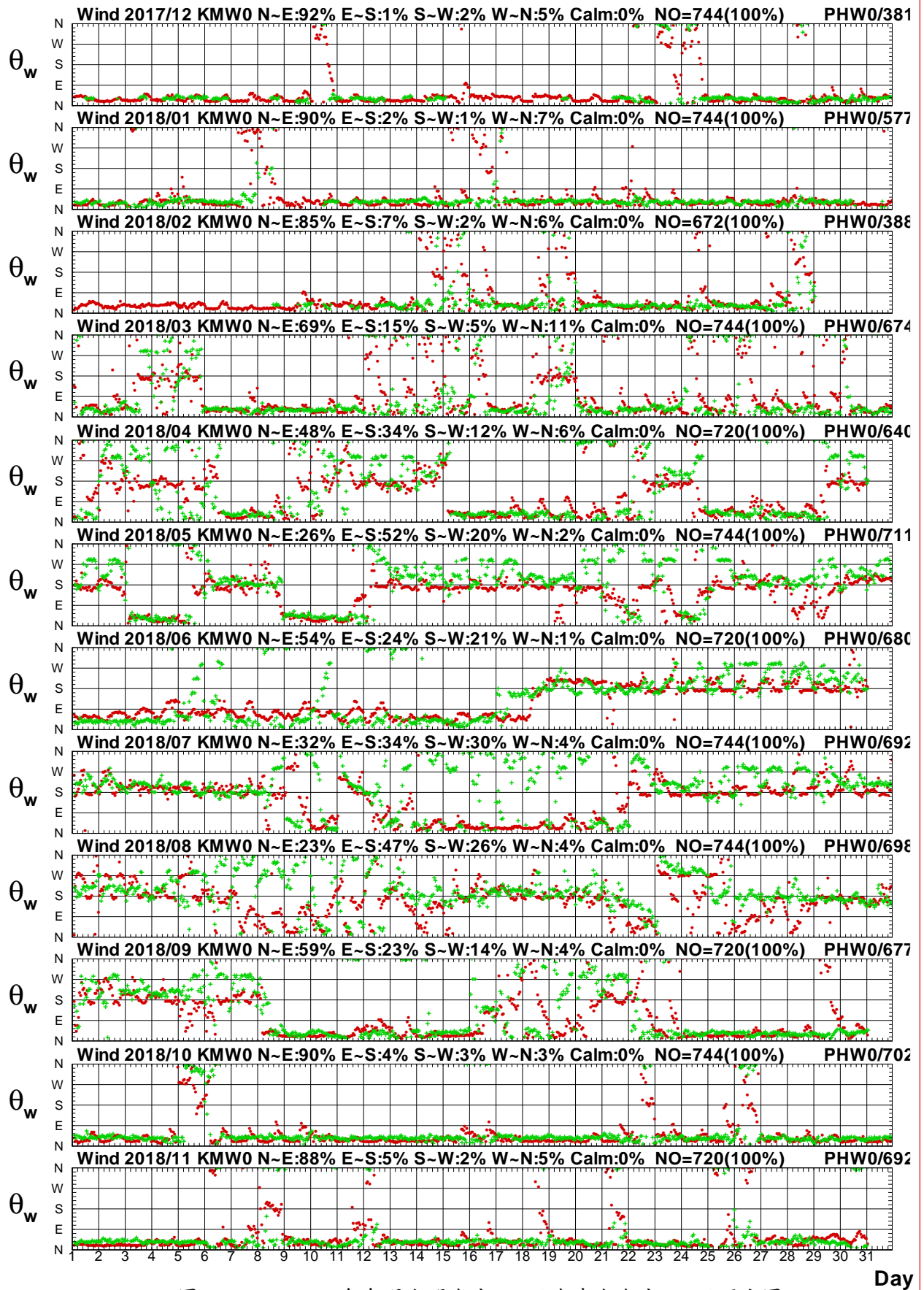


圖1.4.15b 2018年每月金門海域 W 站與澎湖海域 W 站風向圖

W17CKMW0.1HA W17CPHW0.1H0 W181KMW0.1HA W181PHW0.1H0 W182KMW0.1HA W182PHW0.1H0
 W183KMW0.1HA W183PHW0.1H0 W184KMW0.1HA W184PHW0.1H0 W185KMW0.1HA W185PHW0.1H0
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Wind Speed in Kin-Men seas of KMW0 at 2018

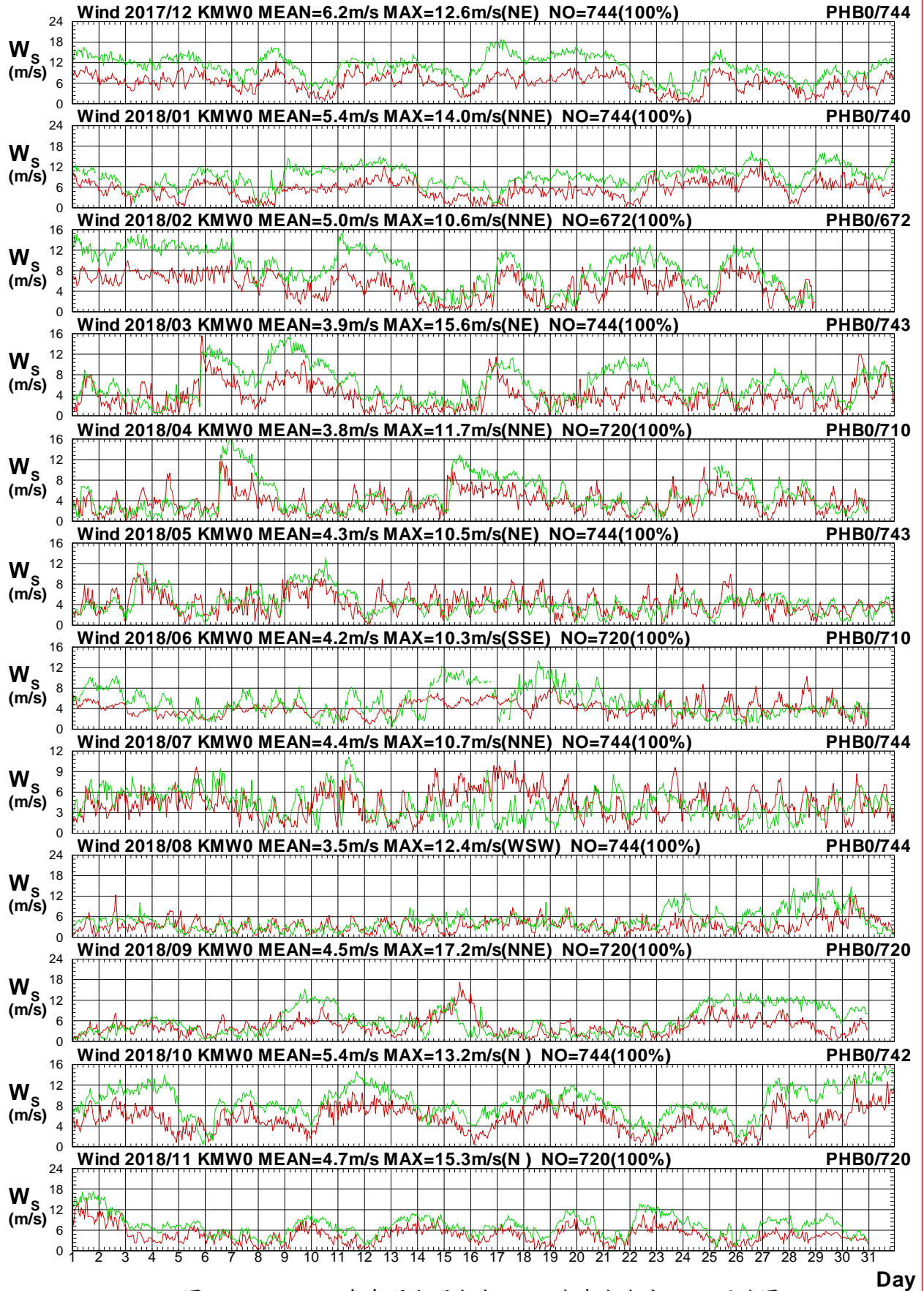


圖1.4.16a 2018年每月金門海域 W 站與澎湖海域 B 站風速圖

W17CKMW0.1HA W17CPHB0.1H0 W181KMW0.1HA W181PHB0.1H0 W182KMW0.1HA W182PHB0.1H0
 W183KMW0.1HA W183PHB0.1H0 W184KMW0.1HA W184PHB0.1H0 W185KMW0.1HA W185PHB0.1H0
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Wind Direction in Kin-Men seas of KMW0 at 2018

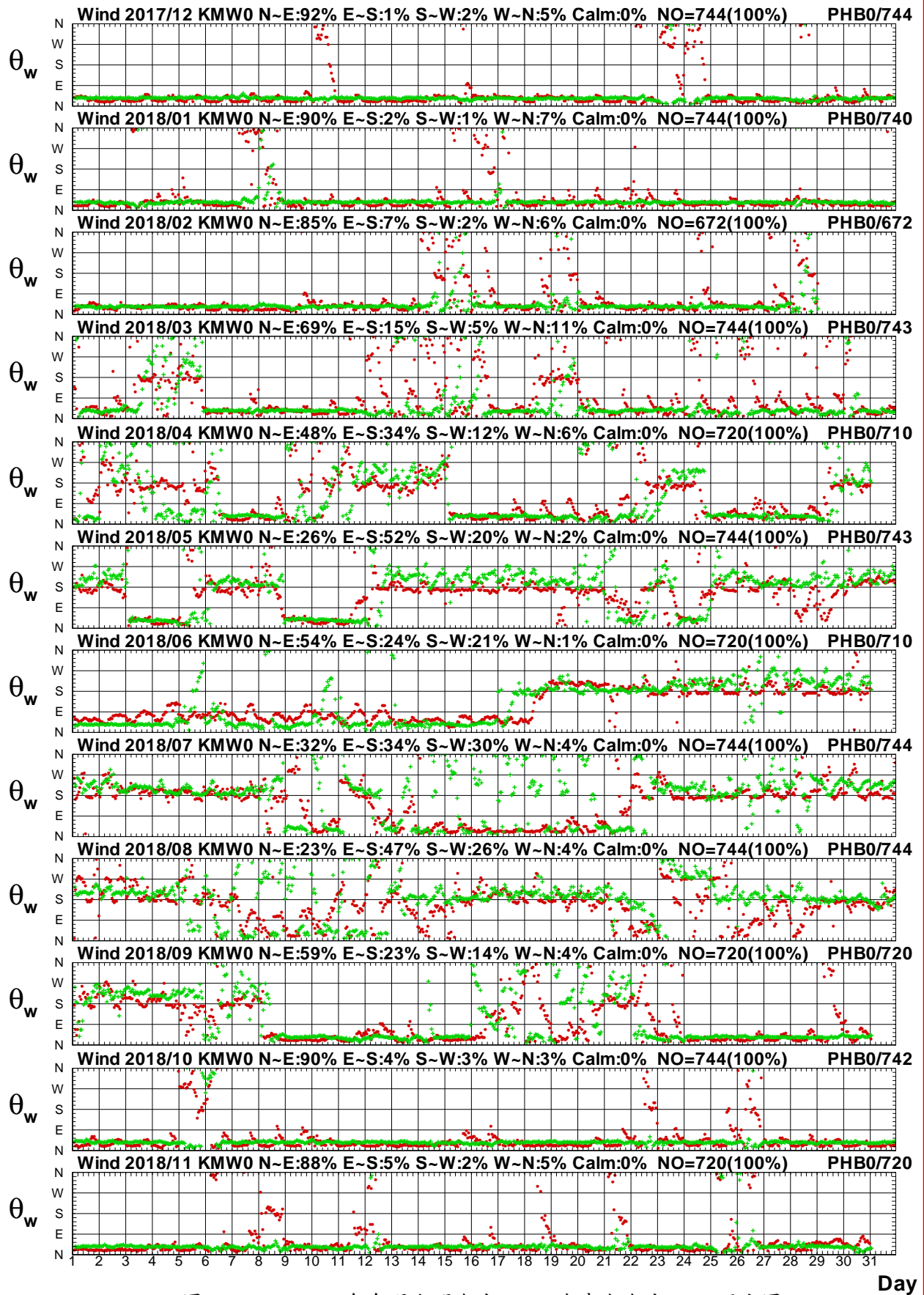


圖 1.4.16b 2018 年每月金門海域 W 站與澎湖海域 B 站風向圖

W17CKMW0.1HA W17CPHB0.1H0 W181KMW0.1HA W181PHB0.1H0 W182KMW0.1HA W182PHB0.1H0
 W183KMW0.1HA W183PHB0.1H0 W184KMW0.1HA W184PHB0.1H0 W185KMW0.1HA W185PHB0.1H0

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Wind Speed in Kin-Men seas of KMW0 at 2018

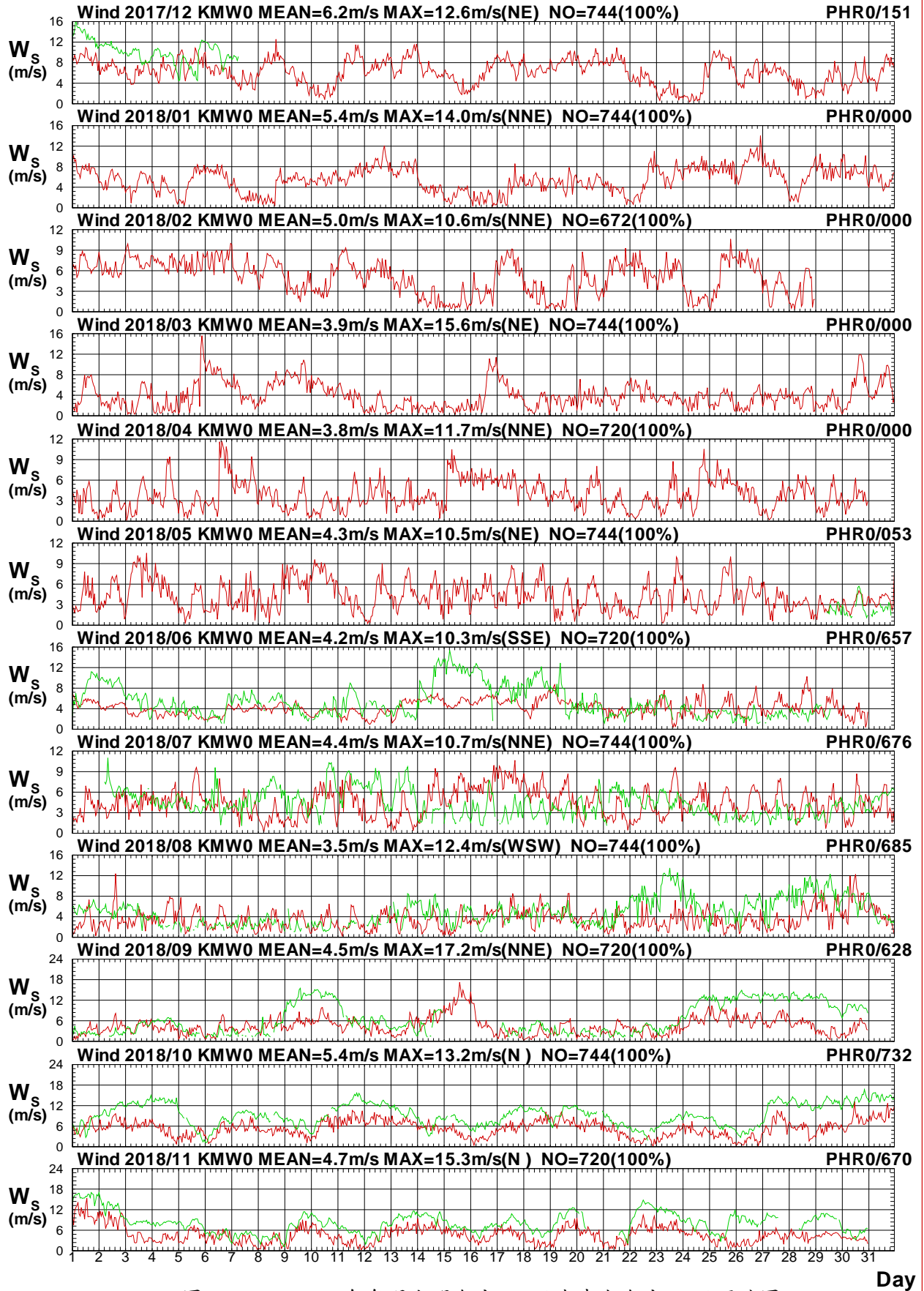


圖 1.4.17a 2018年每月金門海域 W 站與澎湖海域 R 站風速圖

W17CKMW0.1HA W17CPHR0.1H0 W181KMW0.1HA W181PHR0.1H0 W182KMW0.1HA W182PHR0.1H0
 W183KMW0.1HA W183PHR0.1H0 W184KMW0.1HA W184PHR0.1H0 W185KMW0.1HA W185PHR0.1H0
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Wind Direction in Kin-Men seas of KMW0 at 2018

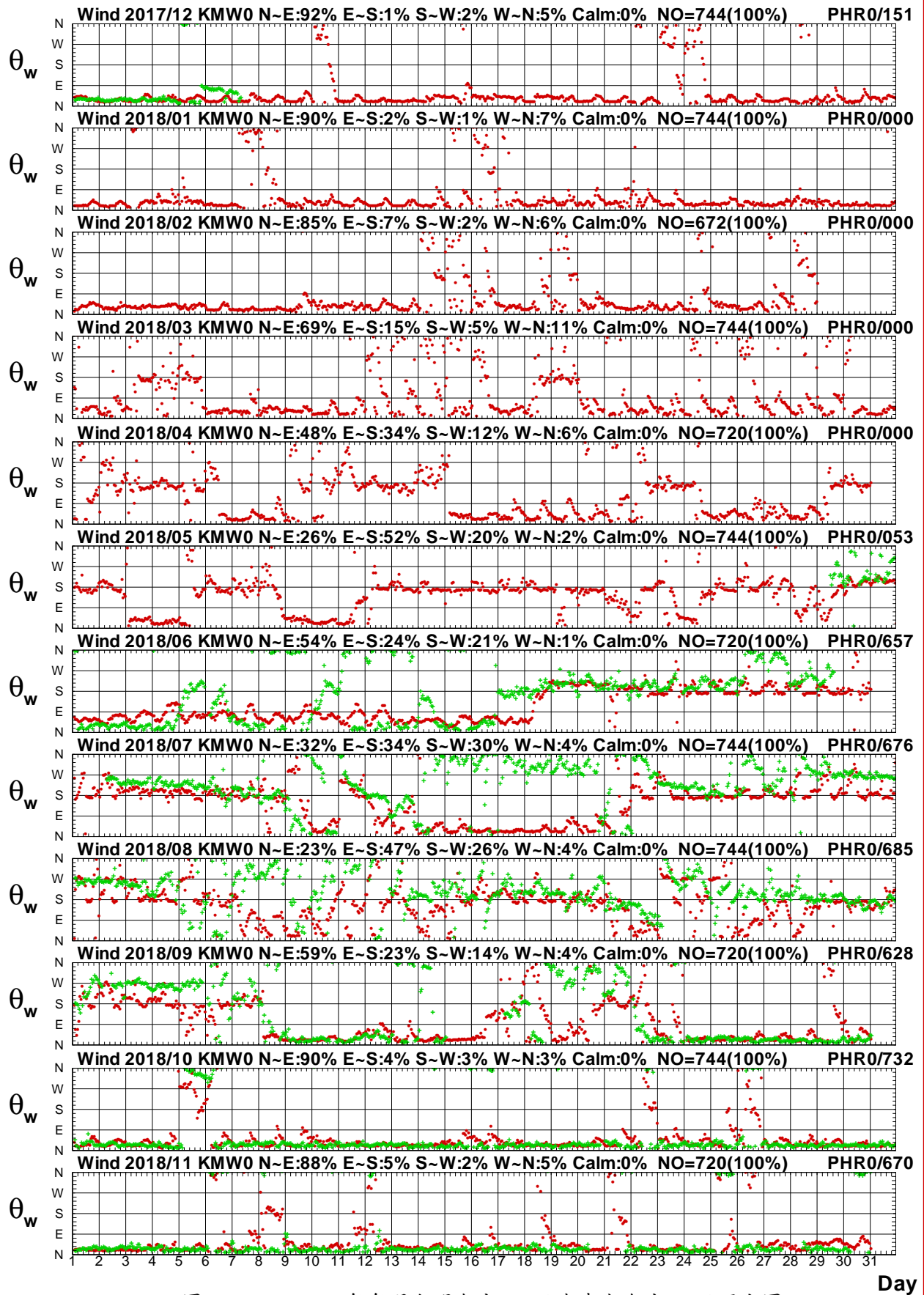


圖 1.4.17b 2018年每月金門海域 W 站與澎湖海域 R 站風向圖

W17CKMW0.1HA W17CPHR0.1H0 W181KMW0.1HA W181PHR0.1H0 W182KMW0.1HA W182PHR0.1H0
 W183KMW0.1HA W183PHR0.1H0 W184KMW0.1HA W184PHR0.1H0 W185KMW0.1HA W185PHR0.1H0

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Wind Speed in Kin-Men seas of KMW0 at 2018

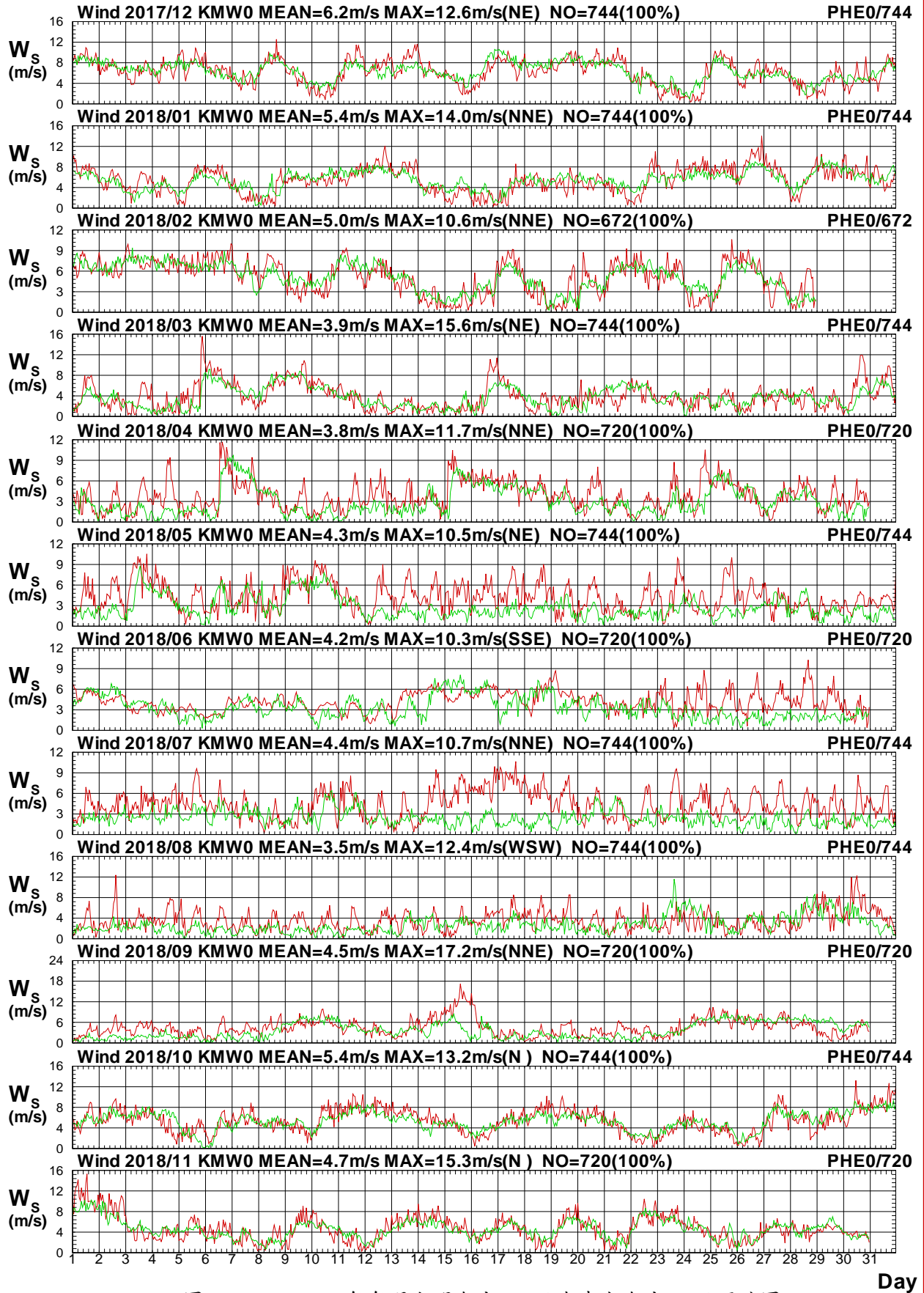


圖1.4.18a 2018年每月金門海域 W 站與澎湖海域 E 站風速圖

W17CKMW0.1HA W17CPHE0.1H0 W181KMW0.1HA W181PHE0.1H0 W182KMW0.1HA W182PHE0.1H0
 W183KMW0.1HA W183PHE0.1H0 W184KMW0.1HA W184PHE0.1H0 W185KMW0.1HA W185PHE0.1H0

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Wind Direction in Kin-Men seas of KMW0 at 2018

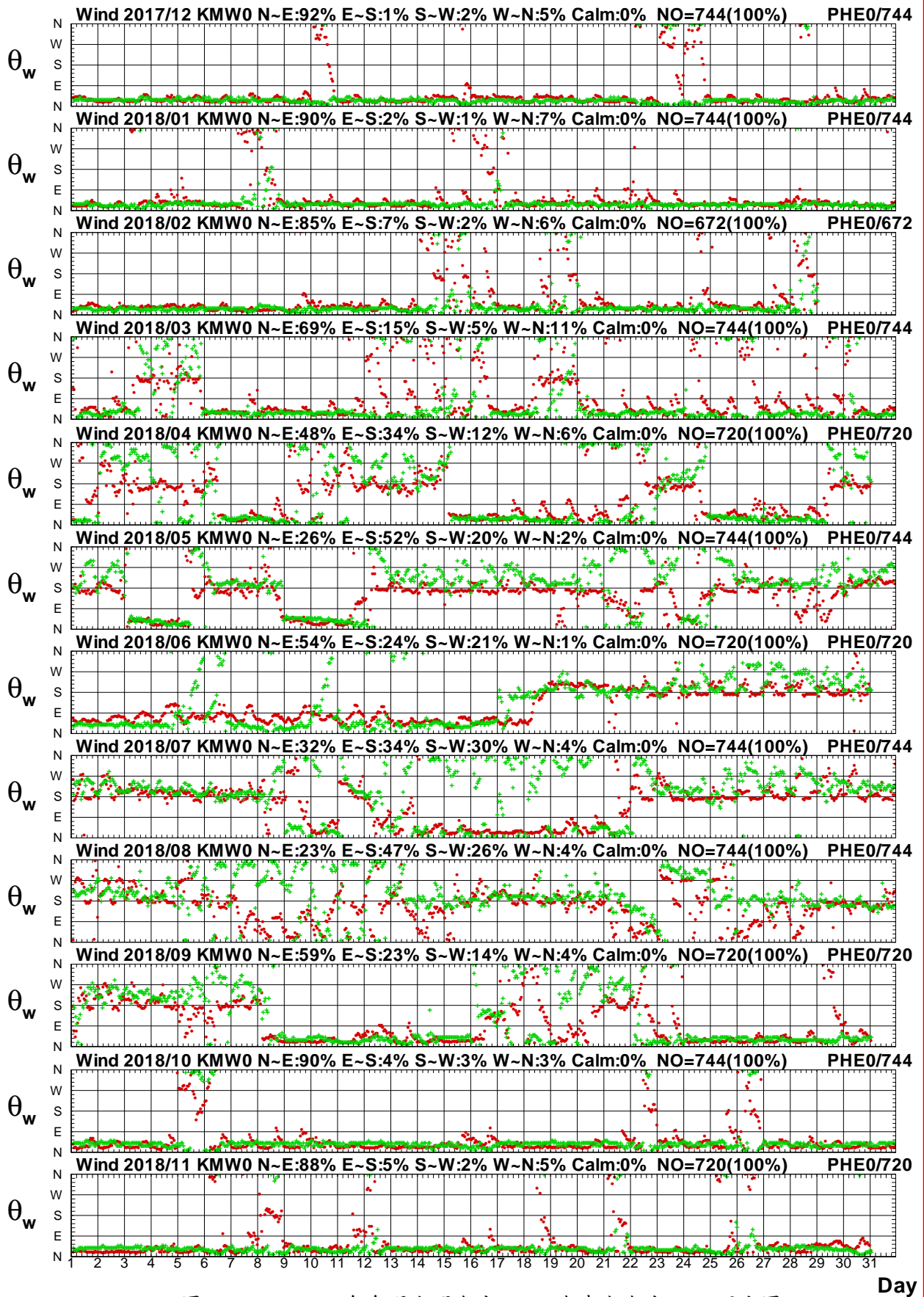


圖 1.4.18b 2018年每月金門海域 W 站與澎湖海域 E 站風向圖

W17CKMW0.1HA W17CPHE0.1H0 W181KMW0.1HA W181PHE0.1H0 W182KMW0.1HA W182PHE0.1H0
 W183KMW0.1HA W183PHE0.1H0 W184KMW0.1HA W184PHE0.1H0 W185KMW0.1HA W185PHE0.1H0

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Wind Speed in Kin-Men seas of KMW0 at 2018

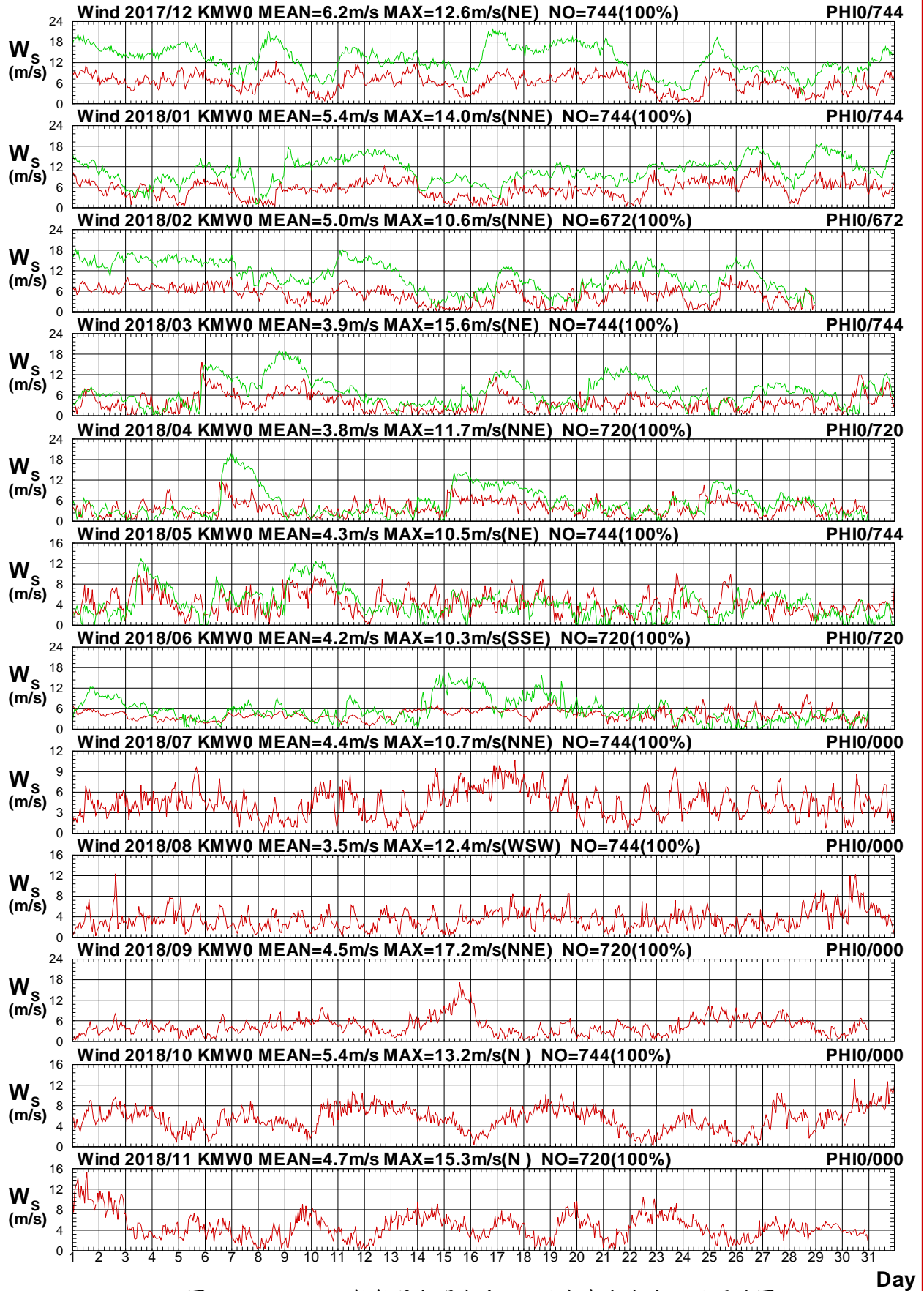


圖1.4.19a 2018年每月金門海域 W 站與澎湖海域 I 站風速圖

W17CKMW0.1HA W17CPhi0.1H0 W181KMW0.1HA W181Phi0.1H0 W182KMW0.1HA W182Phi0.1H0
 W183KMW0.1HA W183Phi0.1H0 W184KMW0.1HA W184Phi0.1H0 W185KMW0.1HA W185Phi0.1H0

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Wind Direction in Kin-Men seas of KMW0 at 2018

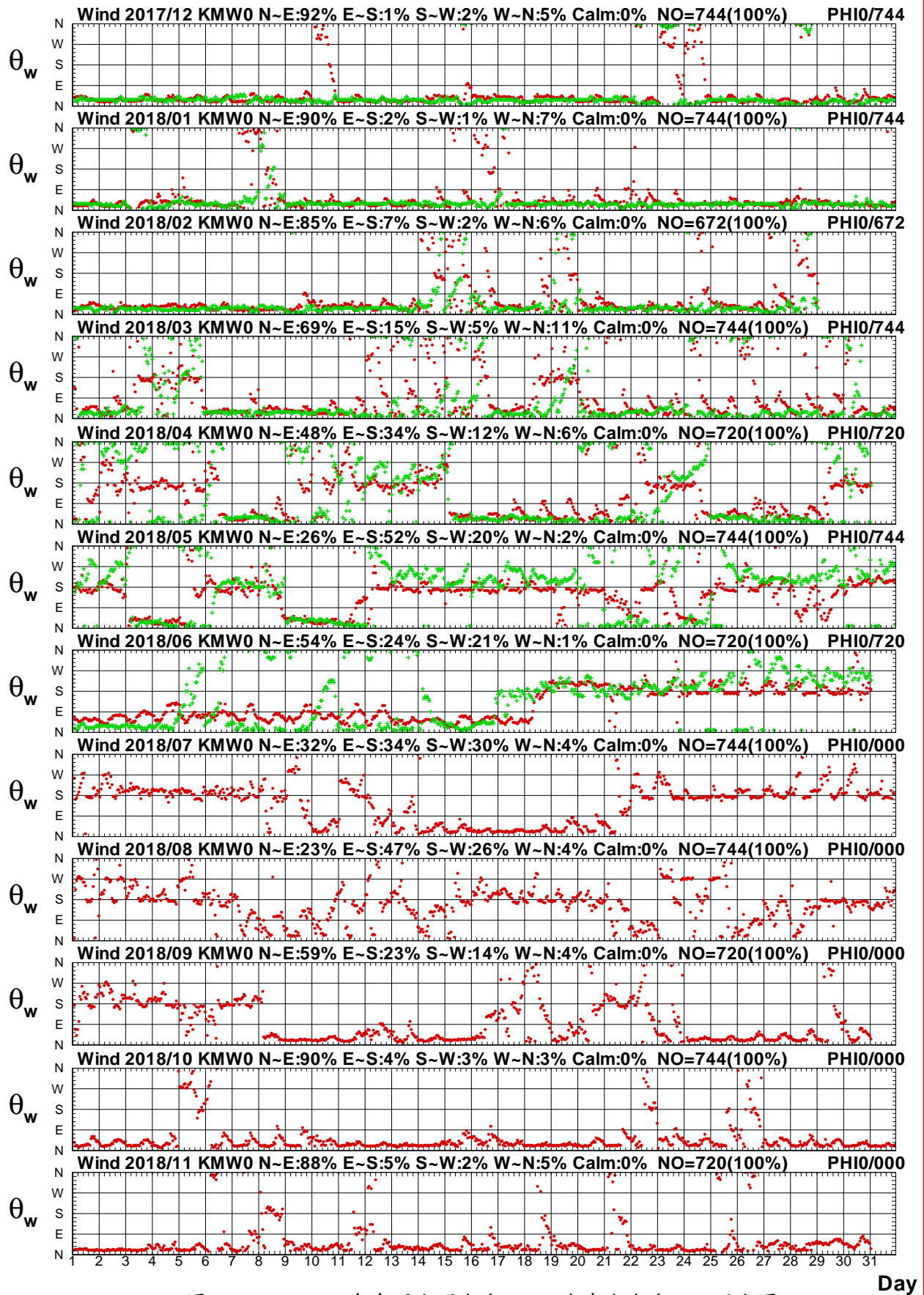


圖1.4.19b 2018年每月金門海域 W 站與澎湖海域 I 站風向圖

W17CKMW0.1HA W17CPhi0.1HO W181KMW0.1HA W181Phi0.1HO W182KMW0.1HA W182Phi0.1HO
 W183KMW0.1HA W183Phi0.1HO W184KMW0.1HA W184Phi0.1HO W185KMW0.1HA W185Phi0.1HO

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1.5 2018 年金門海域風力各測站修補前 風力向量分佈圖

Distribution of Wind Vectors

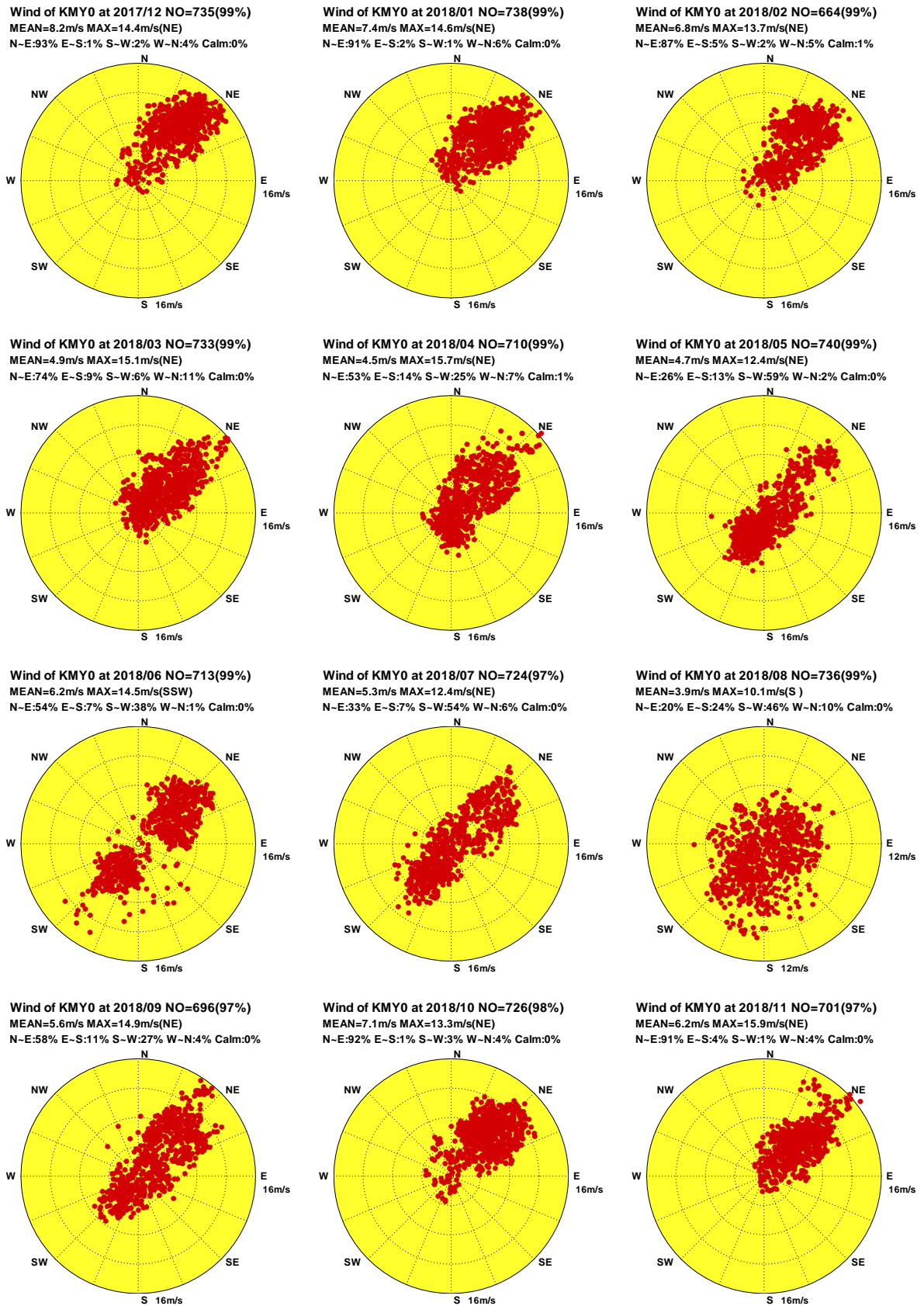


圖1.5.1 2018年金門海域每月 Y 站修補前觀測風力向量分佈圖

W17CKMY0.1H0 W181KMY0.1H0 W182KMY0.1H0 W183KMY0.1H0 W184KMY0.1H0 W185KMY0.1H0
W186KMY0.1H0 W187KMY0.1H0 W188KMY0.1H0 W189KMY0.1H0 W18AKMY0.1H0 W18BKMY0.1H0

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Distribution of Wind Vectors

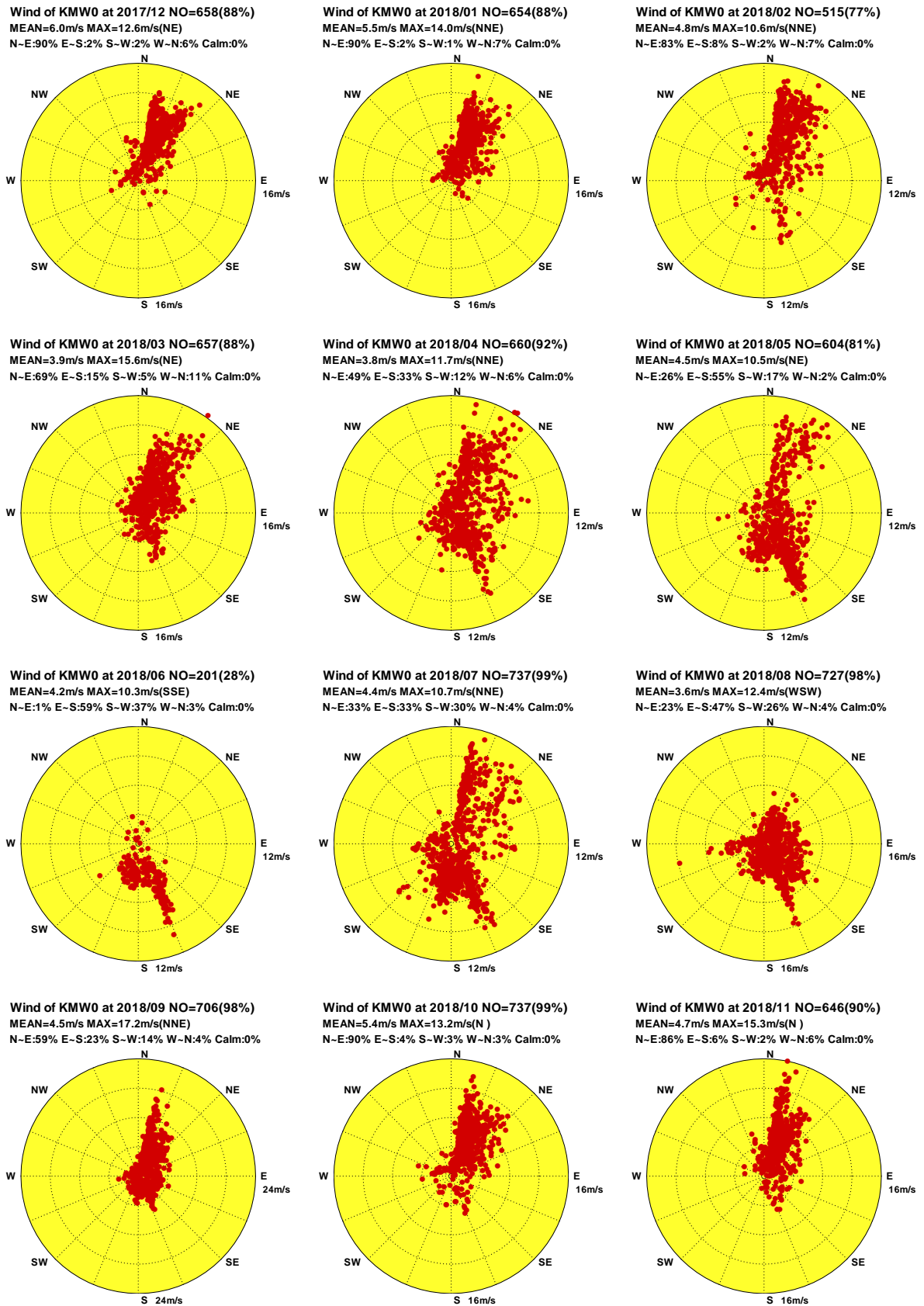


圖 1.5.2 2018 年金門海域每月 W 站修補前觀測風力向量分佈圖

W17CKMW0.1HO W181KMW0.1HO W182KMW0.1HO W183KMW0.1HO W184KMW0.1HO W185KMW0.1HO
 W186KMW0.1HO W187KMW0.1HO W188KMW0.1HO W189KMW0.1HO W18AKMW0.1HO W18BKMW0.1HO

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Distribution of Wind Vectors

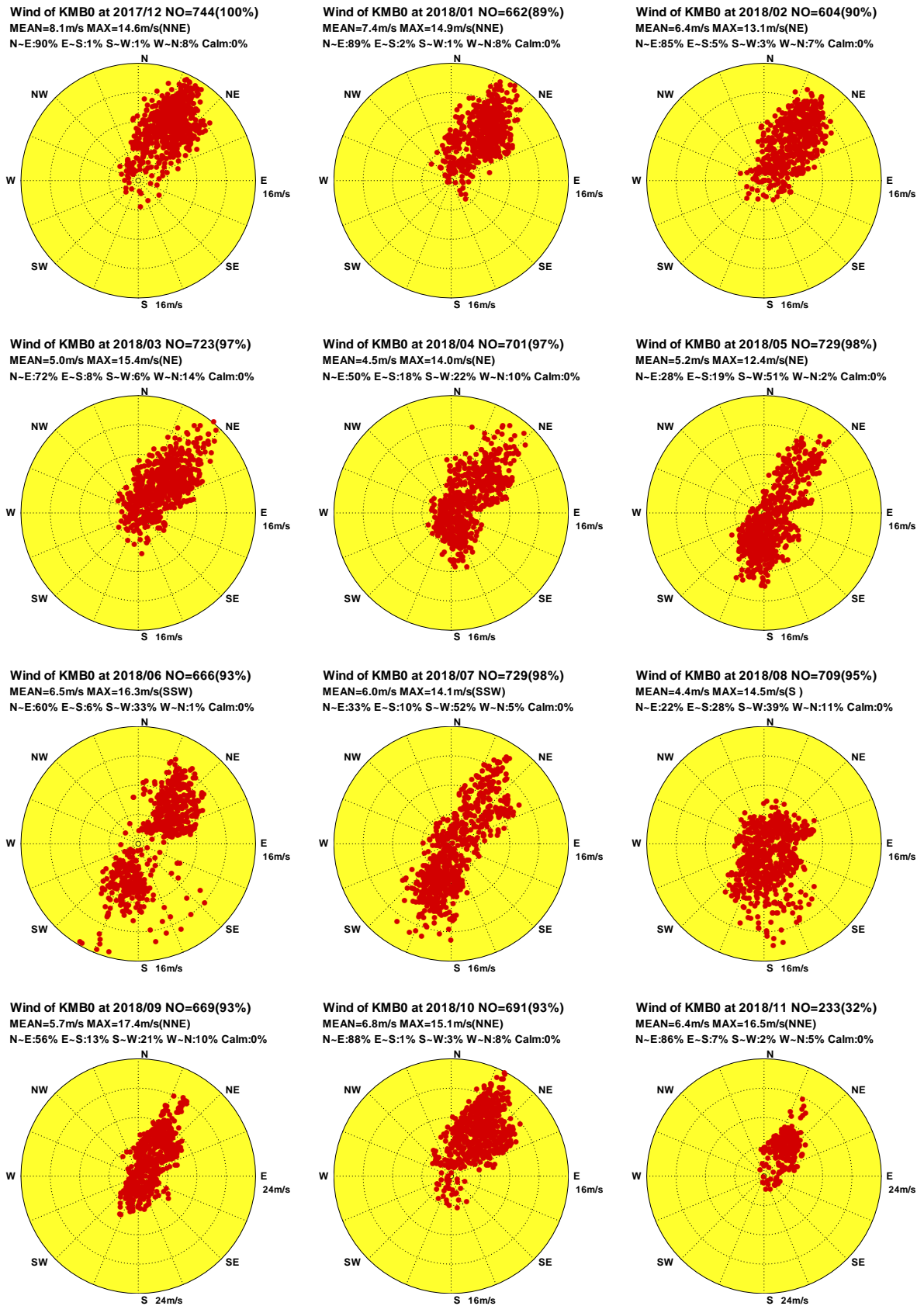


圖 1.5.3 2018 年金門海域每月 B 站修補前觀測風力向量分佈圖

W17CKMB0.1H0 W181KMB0.1H0 W182KMB0.1H0 W183KMB0.1H0 W184KMB0.1H0 W185KMB0.1H0
 W186KMB0.1H0 W187KMB0.1H0 W188KMB0.1H0 W189KMB0.1H0 W18AKMB0.1H0 W18BKMB0.1H0

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Distribution of Wind Vectors

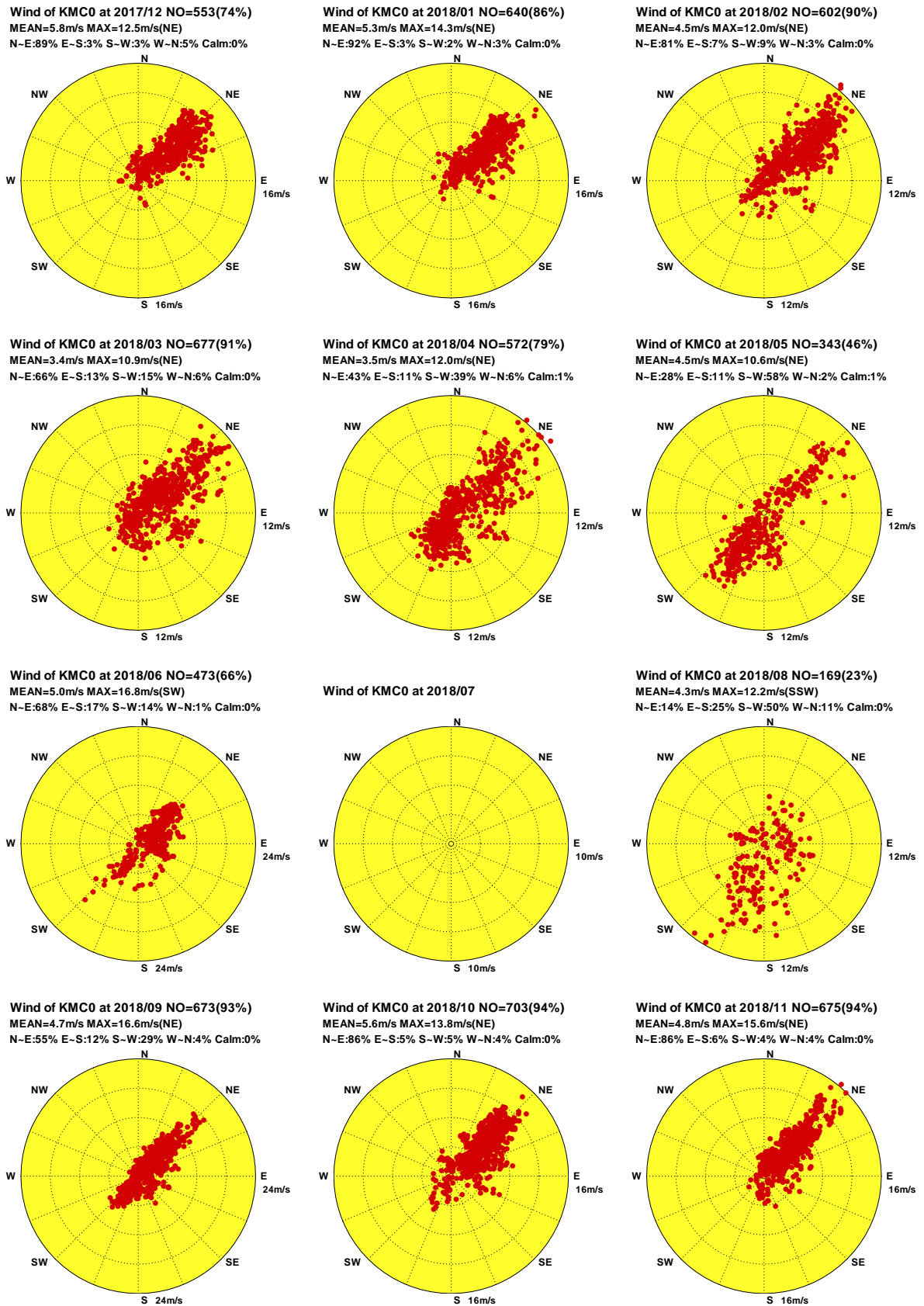


圖1.5.4 2018年金門海域每月 C 站修補前觀測風力向量分佈圖

W17CKMC0.1H0 W181KMC0.1H0 W182KMC0.1H0 W183KMC0.1H0 W184KMC0.1H0 W185KMC0.1H0
 W186KMC0.1H0 W187KMC0.1H0 W188KMC0.1H0 W189KMC0.1H0 W18AKMC0.1H0 W18BKMC0.1H0

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Distribution of Wind Vectors

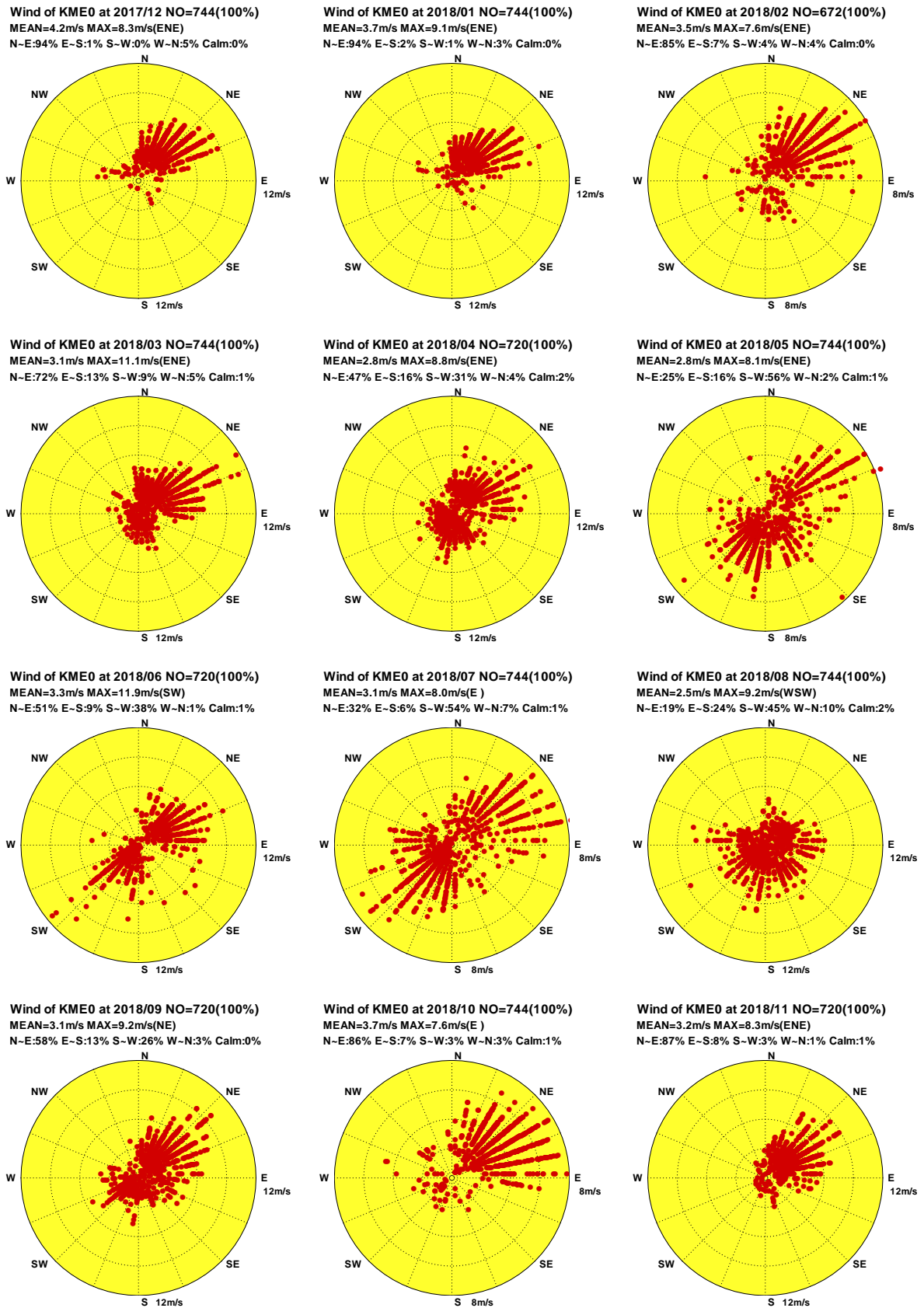


圖1.5.5 2018年金門海域每月 E 站修補前觀測風力向量分佈圖

W17CKME0.1H0 W181KME0.1H0 W182KME0.1H0 W183KME0.1H0 W184KME0.1H0 W185KME0.1H0
 W186KME0.1H0 W187KME0.1H0 W188KME0.1H0 W189KME0.1H0 W18AKME0.1H0 W18BKME0.1H0

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Distribution of Wind Vectors

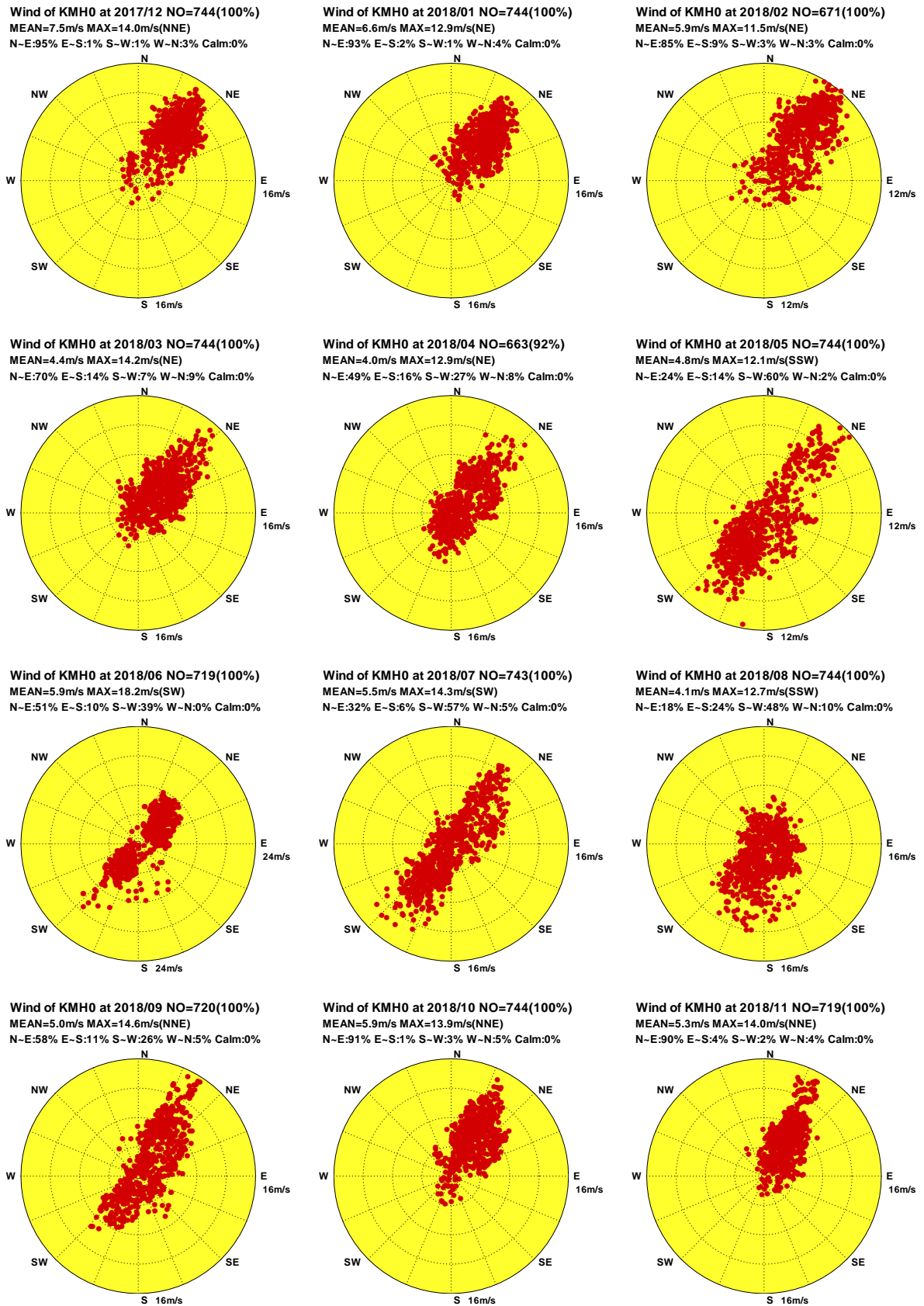


圖1.5.6 2018年金門海域每月 H 站修補前觀測風力向量分佈圖

W17CKMH0.1H0 W181KMH0.1H0 W182KMH0.1H0 W183KMH0.1H0 W184KMH0.1H0 W185KMH0.1H0
W186KMH0.1H0 W187KMH0.1H0 W188KMH0.1H0 W189KMH0.1H0 W18AKMH0.1H0 W18BKMHO.1H0

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Distribution of Wind Vectors

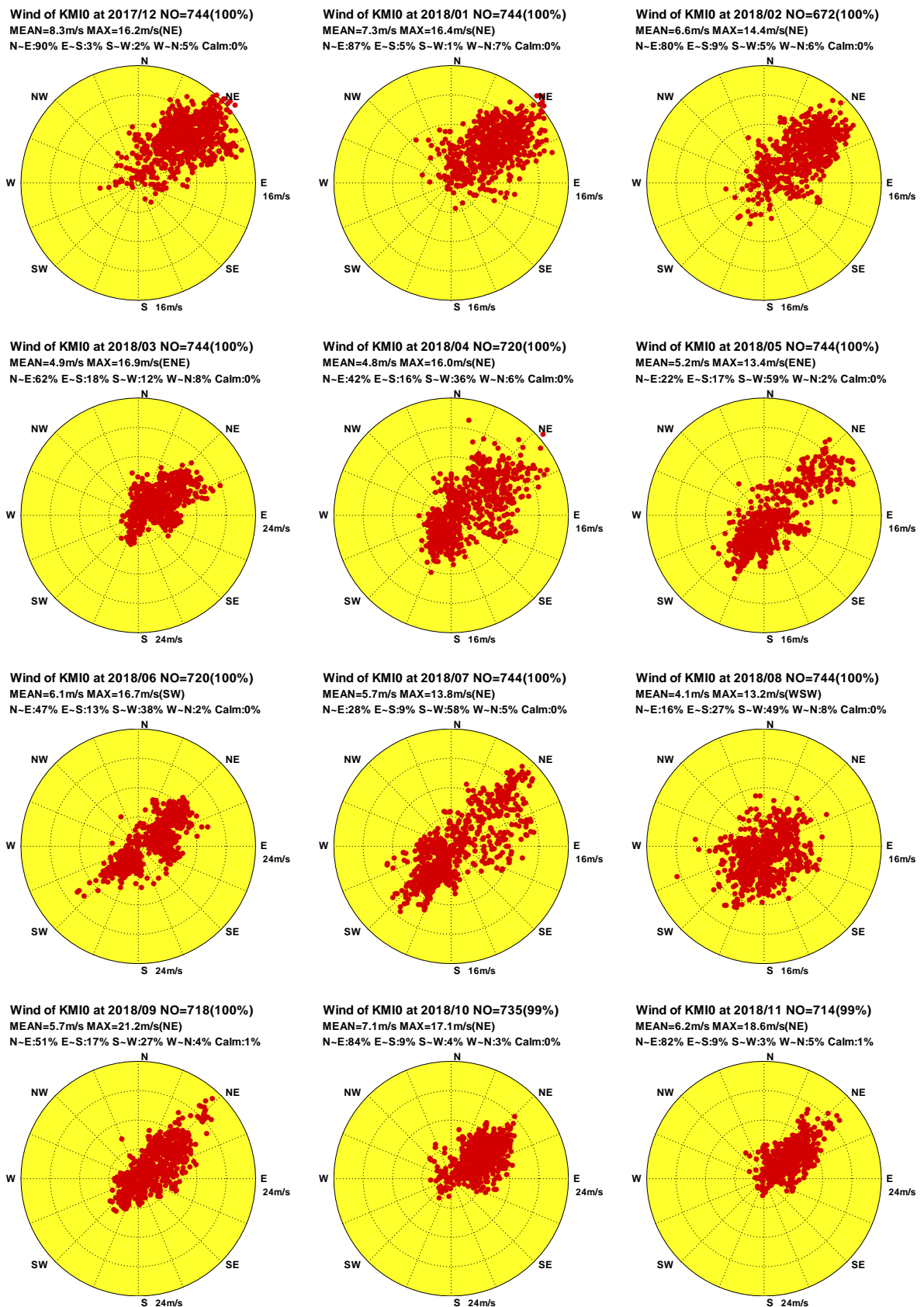


圖1.5.7 2018年金門海域每月I站修補前觀測風力向量分佈圖

W17CKMI0.1H0 W181KMI0.1H0 W182KMI0.1H0 W183KMI0.1H0 W184KMI0.1H0 W185KMI0.1H0
 W186KMI0.1H0 W187KMI0.1H0 W188KMI0.1H0 W189KMI0.1H0 W18AKMI0.1H0 W18BKMI0.1H0

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1.6 2018 年金門海域風力各測站修補前 風力向量行進圖

Progressive Vector Diagram of Wind

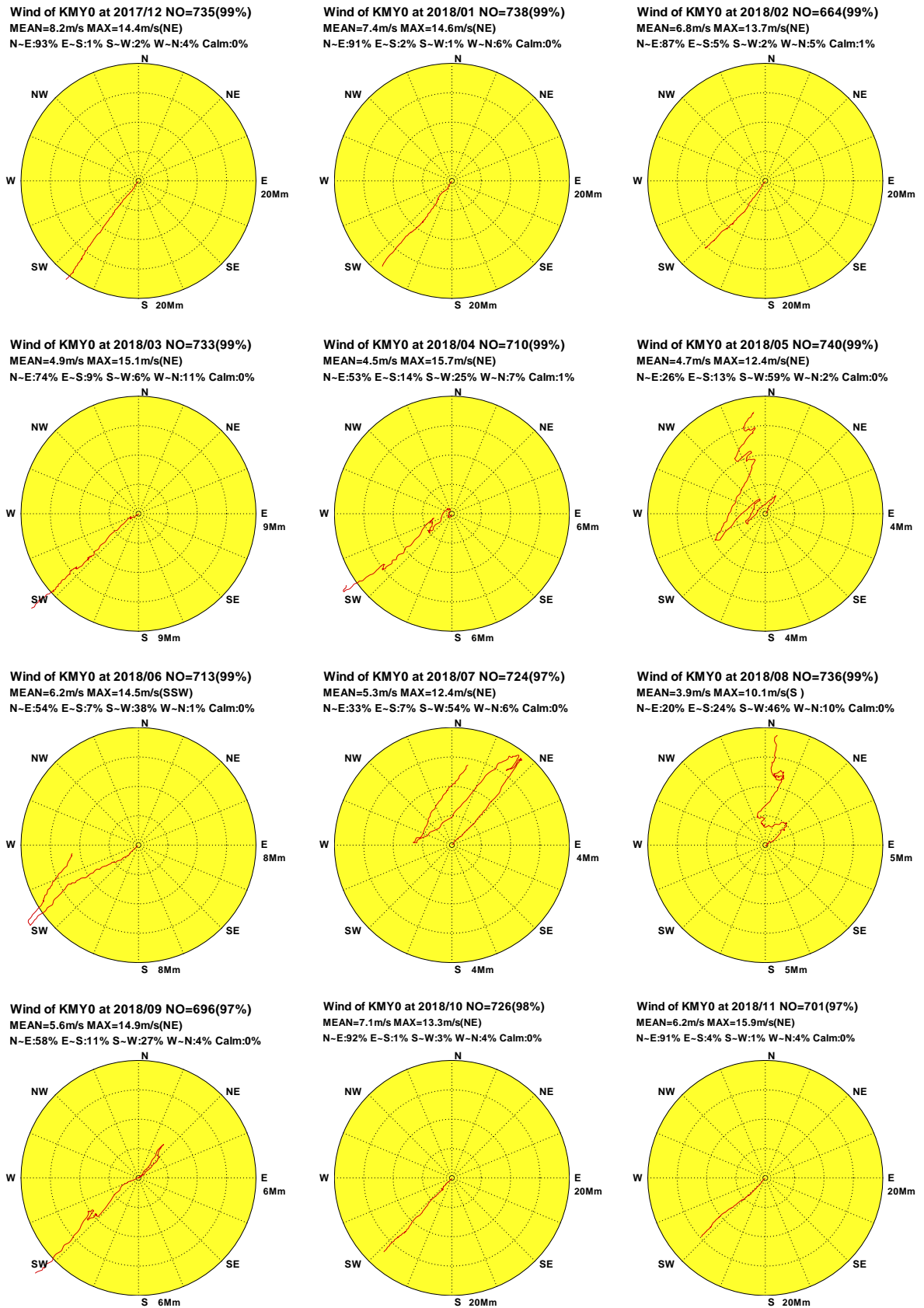


圖1.6.1 2018年金門海域每月 Y 站修補前觀測風力向量行進圖

W17CKMY0.1H0 W181KMY0.1H0 W182KMY0.1H0 W183KMY0.1H0 W184KMY0.1H0 W185KMY0.1H0
W186KMY0.1H0 W187KMY0.1H0 W188KMY0.1H0 W189KMY0.1H0 W18AKMY0.1H0 W18BKMY0.1H0

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Progressive Vector Diagram of Wind

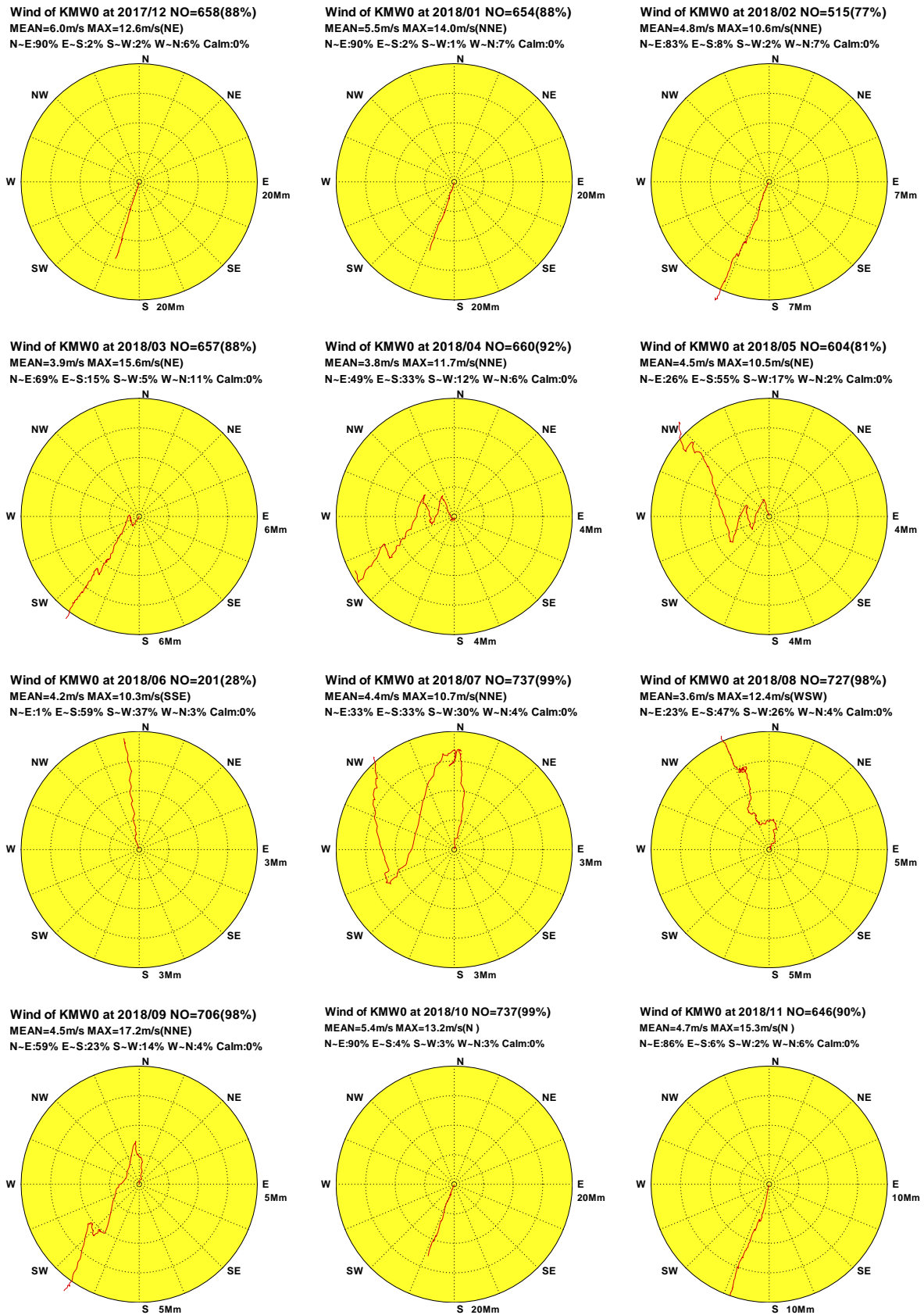


圖 1.6.2 2018 年金門海域每月 W 站修補前觀測風力向量行進圖

W17CKMW0.1HO W181KMW0.1HO W182KMW0.1HO W183KMW0.1HO W184KMW0.1HO W185KMW0.1HO
W186KMW0.1HO W187KMW0.1HO W188KMW0.1HO W189KMW0.1HO W18AKMW0.1HO W18BKMW0.1HO

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Progressive Vector Diagram of Wind

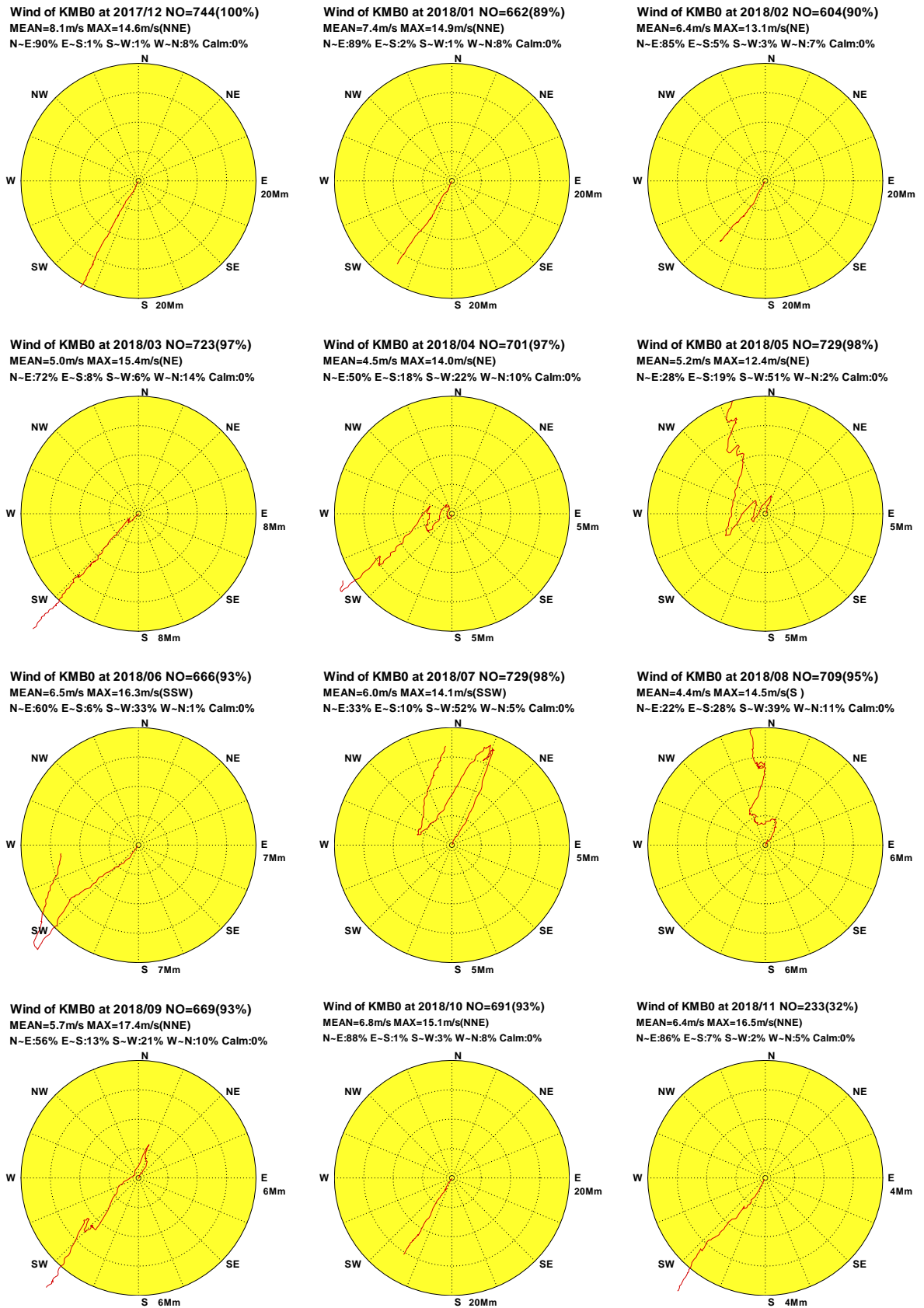


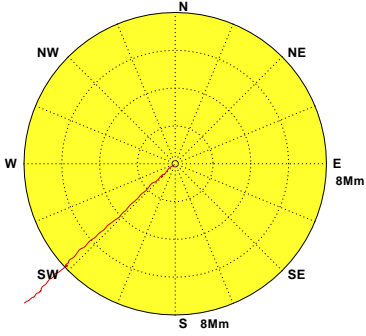
圖1.6.3 2018年金門海域每月B站修補前觀測風力向量行進圖

W17CKMB0.1H0 W181KMB0.1H0 W182KMB0.1H0 W183KMB0.1H0 W184KMB0.1H0 W185KMB0.1H0
 W186KMB0.1H0 W187KMB0.1H0 W188KMB0.1H0 W189KMB0.1H0 W18AKMB0.1H0 W18BKMB0.1H0

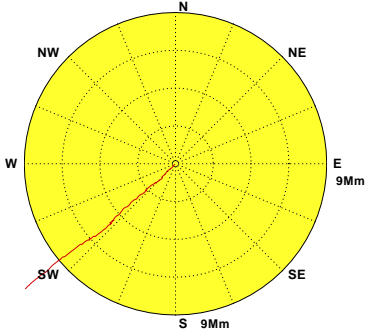
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Progressive Vector Diagram of Wind

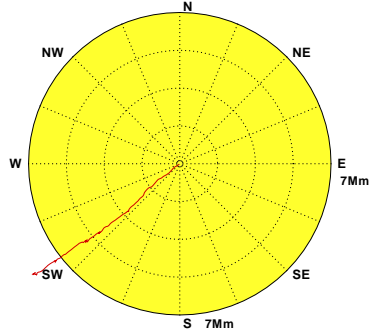
Wind of KMC0 at 2017/12 NO=553(74%)
 MEAN=5.8m/s MAX=12.5m/s(NE)
 N-E:89% E-S:3% S-W:3% W-N:5% Calm:0%



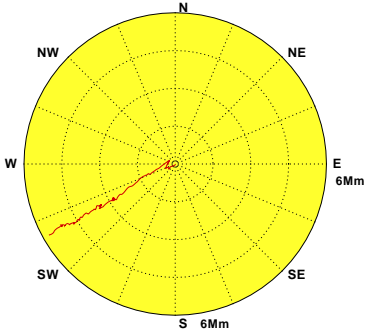
Wind of KMC0 at 2018/01 NO=640(86%)
 MEAN=5.3m/s MAX=14.3m/s(NE)
 N-E:92% E-S:3% S-W:2% W-N:3% Calm:0%



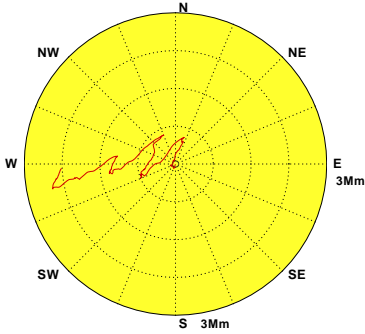
Wind of KMC0 at 2018/02 NO=602(90%)
 MEAN=4.5m/s MAX=12.0m/s(NE)
 N-E:81% E-S:7% S-W:9% W-N:3% Calm:0%



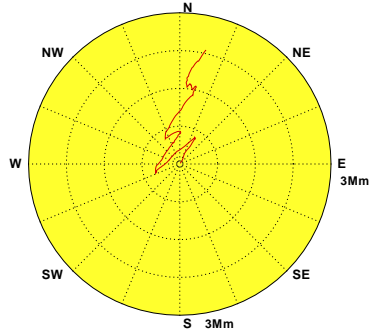
Wind of KMC0 at 2018/03 NO=677(91%)
 MEAN=3.4m/s MAX=10.9m/s(NE)
 N-E:66% E-S:13% S-W:15% W-N:6% Calm:0%



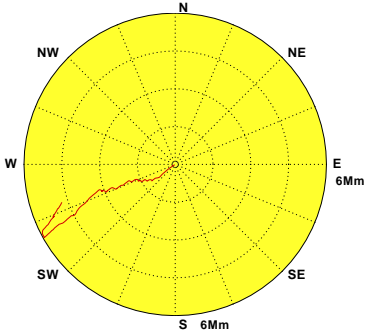
Wind of KMC0 at 2018/04 NO=572(79%)
 MEAN=3.5m/s MAX=12.0m/s(NE)
 N-E:43% E-S:11% S-W:39% W-N:6% Calm:1%



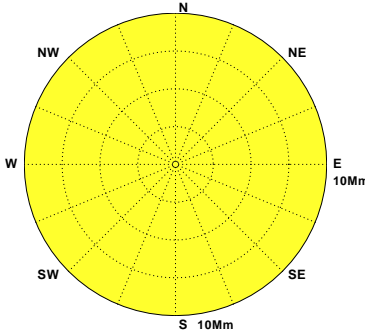
Wind of KMC0 at 2018/05 NO=343(46%)
 MEAN=4.5m/s MAX=10.6m/s(NE)
 N-E:28% E-S:11% S-W:58% W-N:2% Calm:1%



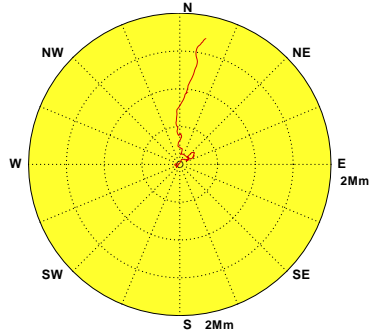
Wind of KMC0 at 2018/06 NO=473(66%)
 MEAN=5.0m/s MAX=16.8m/s(SW)
 N-E:68% E-S:17% S-W:14% W-N:1% Calm:0%



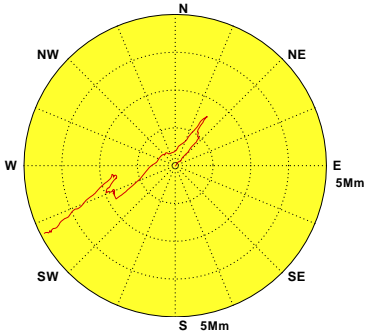
Wind of KMC0 at 2018/07



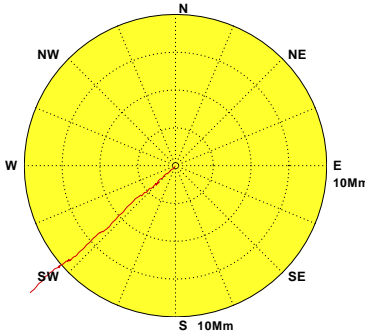
Wind of KMC0 at 2018/08 NO=169(23%)
 MEAN=4.3m/s MAX=12.2m/s(SSW)
 N-E:14% E-S:25% S-W:50% W-N:11% Calm:0%



Wind of KMC0 at 2018/09 NO=673(93%)
 MEAN=4.7m/s MAX=16.6m/s(NE)
 N-E:55% E-S:12% S-W:29% W-N:4% Calm:0%



Wind of KMC0 at 2018/10 NO=703(94%)
 MEAN=5.6m/s MAX=13.8m/s(NE)
 N-E:86% E-S:5% S-W:5% W-N:4% Calm:0%



Wind of KMC0 at 2018/11 NO=675(94%)
 MEAN=4.8m/s MAX=15.6m/s(NE)
 N-E:86% E-S:6% S-W:4% W-N:4% Calm:0%

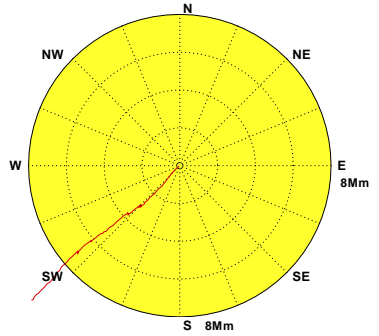


圖1.6.4 2018年金門海域每月C站修補前觀測風力向量行進圖

W17CKMC0.1H0 W181KMC0.1H0 W182KMC0.1H0 W183KMC0.1H0 W184KMC0.1H0 W185KMC0.1H0
 W186KMC0.1H0 W187KMC0.1H0 W188KMC0.1H0 W189KMC0.1H0 W18AKMC0.1H0 W18BKMC0.1H0

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Progressive Vector Diagram of Wind

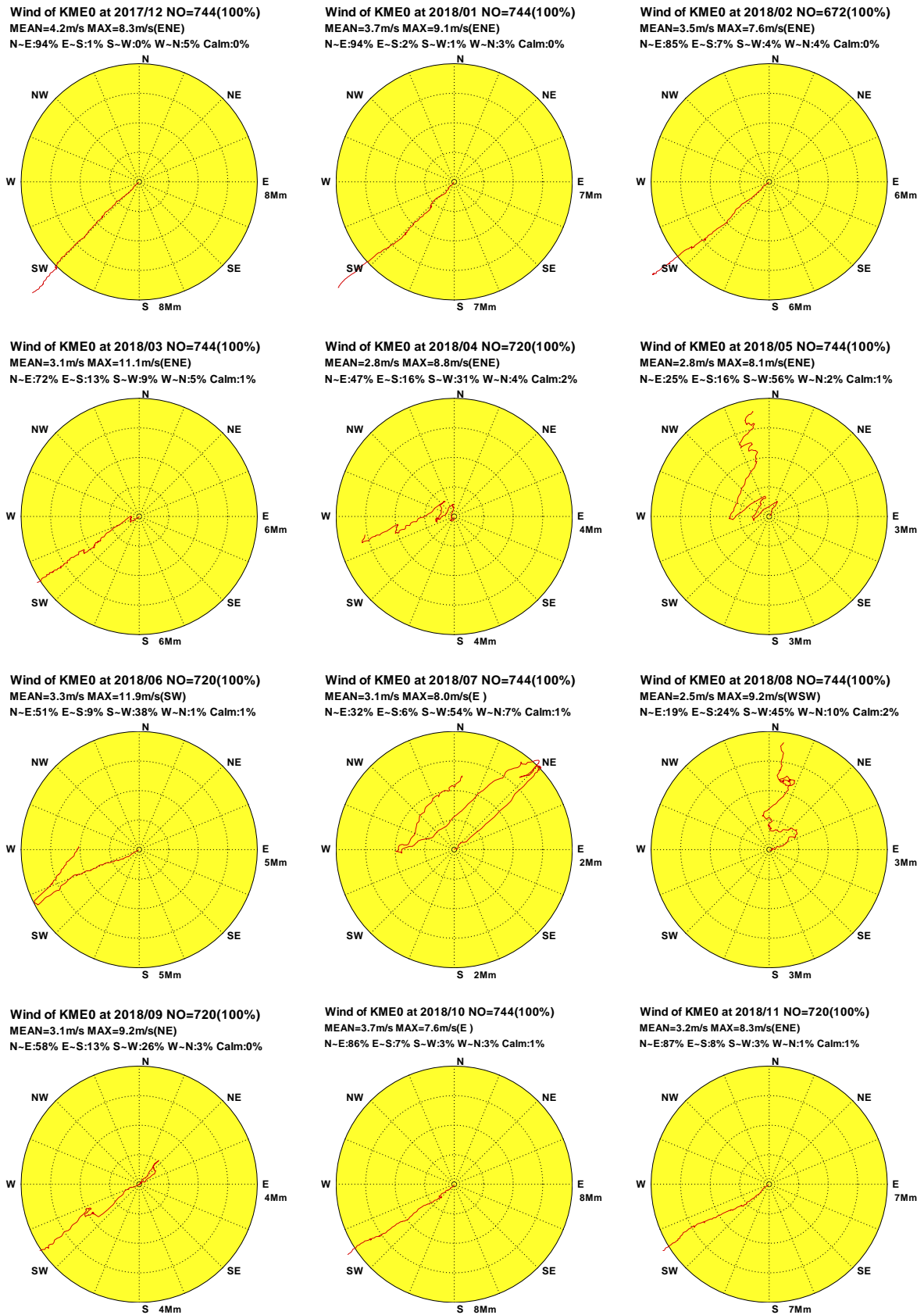


圖1.6.5 2018年金門海域每月 E 站修補前觀測風力向量行進圖

W17CKME0.1H0 W181KME0.1H0 W182KME0.1H0 W183KME0.1H0 W184KME0.1H0 W185KME0.1H0
W186KME0.1H0 W187KME0.1H0 W188KME0.1H0 W189KME0.1H0 W18AKME0.1H0 W18BKME0.1H0

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Progressive Vector Diagram of Wind

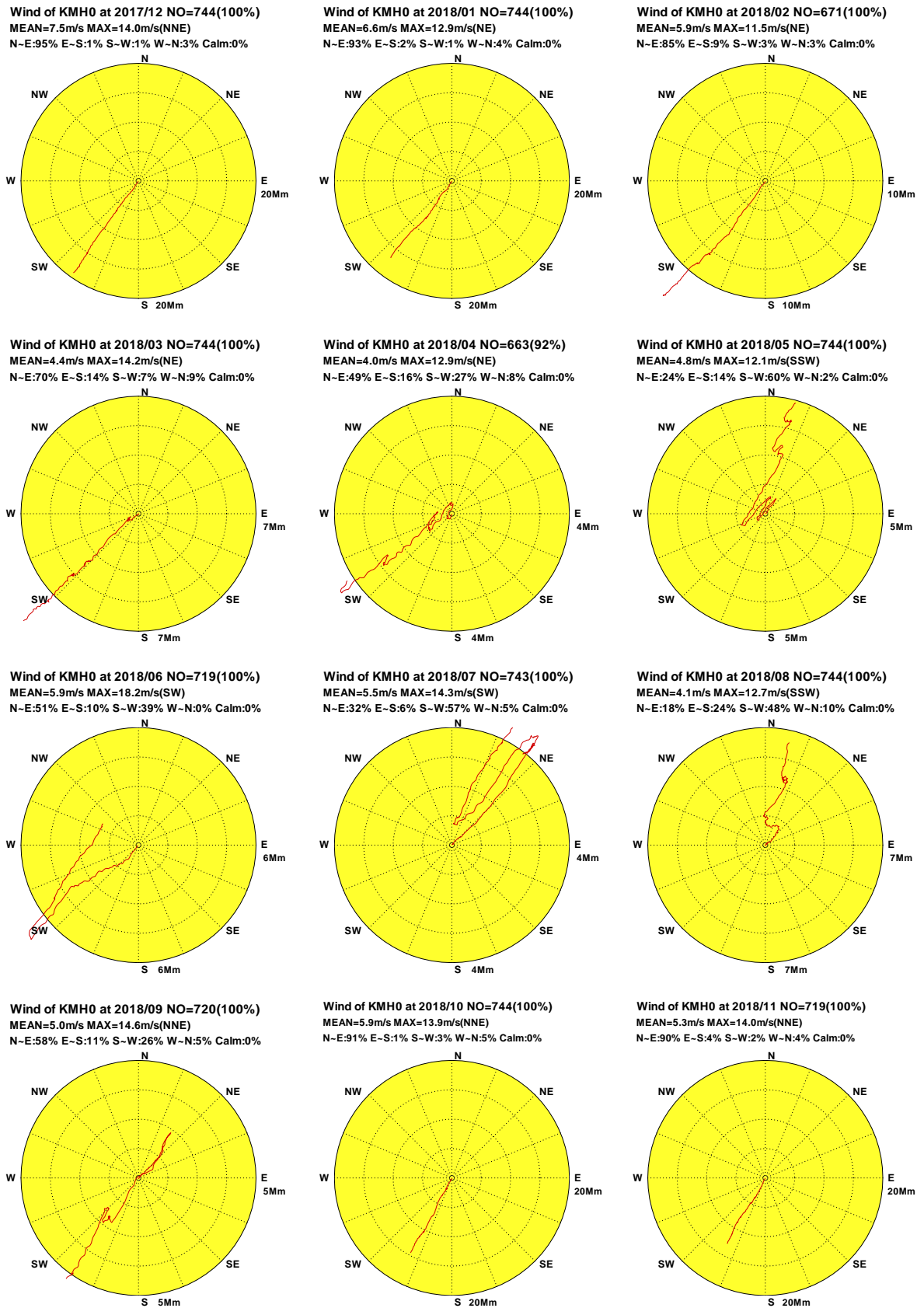


圖1.6.6 2018年金門海域每月 H 站修補前觀測風力向量行進圖

W17CKMH0.1H0 W181KMH0.1H0 W182KMH0.1H0 W183KMH0.1H0 W184KMH0.1H0 W185KMH0.1H0
W186KMH0.1H0 W187KMH0.1H0 W188KMH0.1H0 W189KMH0.1H0 W18AKMH0.1H0 W18BKMHO.1H0

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Progressive Vector Diagram of Wind

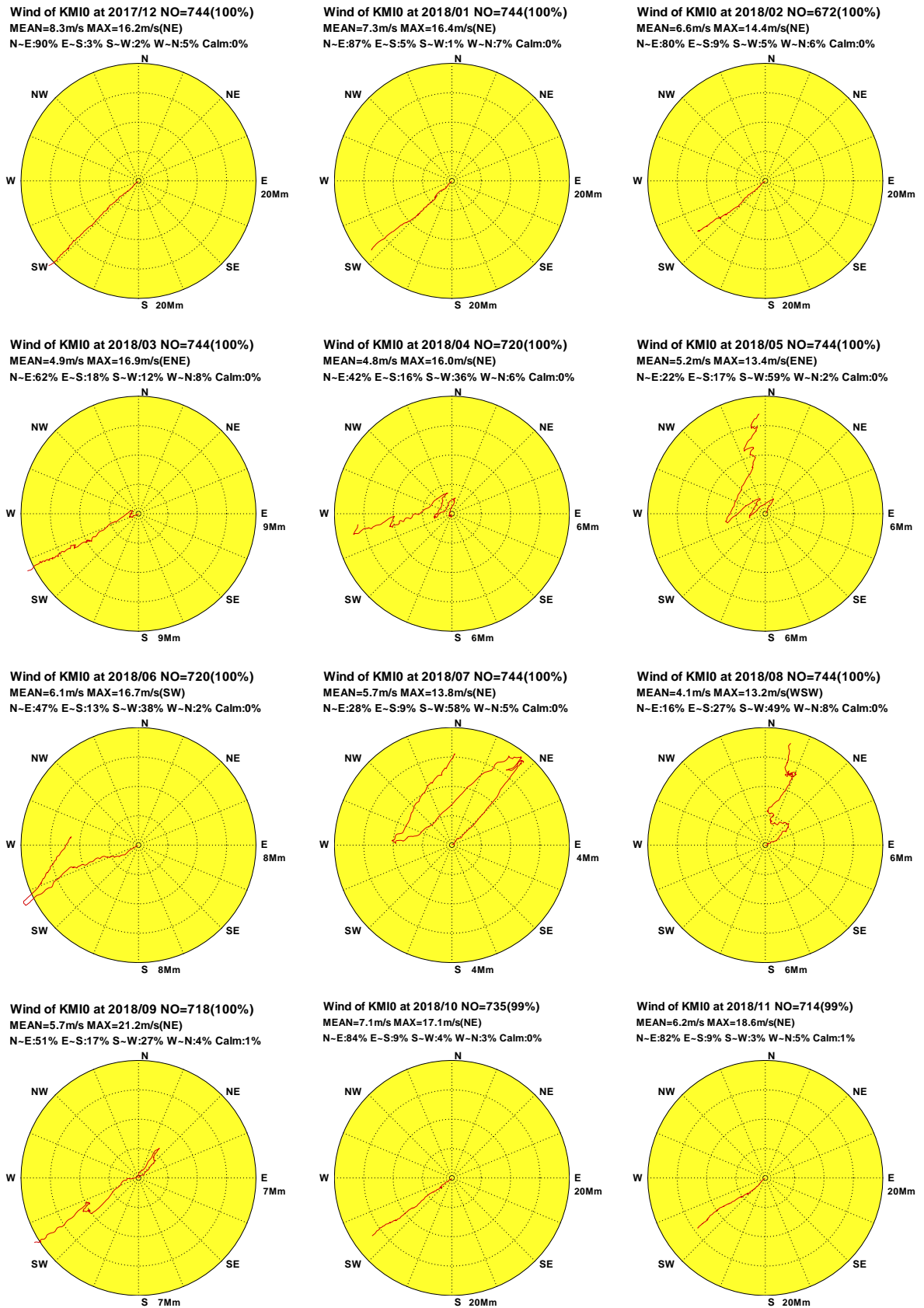


圖1.6.7 2018年金門海域每月I站修補前觀測風力向量行進圖

W17CKMI0.1H0 W181KMI0.1H0 W182KMI0.1H0 W183KMI0.1H0 W184KMI0.1H0 W185KMI0.1H0
 W186KMI0.1H0 W187KMI0.1H0 W188KMI0.1H0 W189KMI0.1H0 W18AKMI0.1H0 W18BKMI0.1H0

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第二章 2018 年金門海域觀測波浪資料年報

金門海域波浪觀測包括測站 X、測站 Y 及測站 A 等 3 個測站(測站位置如第 0 章圖 VM1)。本年報取經檢核及補遺之 Y 站資料作為主要測站 1，X 站資料作為主要測站 2。

2.1 2018 年金門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 年金門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 年金門海域**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 年金門海域**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 年金門海域**各測站****修補前**每月波高向量分佈圖。

表 2.1.1a 2018 年每月金門海域修補前各測站觀測波浪資料紀錄表

| 海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 |
|-----------|-------------|-------------|-------------|------|------|------|------|------|------|------|------|------|
| 年月/測站 | Y | X | A | Z | | | | | | | | |
| 2017/12 月 | 709(95.3%) | 226(30.4%) | 383(51.5%) | * | * | * | * | * | * | * | * | * |
| 2018/ 1 月 | 714(96.0%) | 352(47.3%) | 721(96.9%) | * | * | * | * | * | * | * | * | * |
| 2018/ 2 月 | 629(93.6%) | 507(75.4%) | 639(95.1%) | * | * | * | * | * | * | * | * | * |
| 2018/ 3 月 | 712(95.7%) | 505(67.9%) | 308(41.4%) | * | * | * | * | * | * | * | * | * |
| 2018/ 4 月 | 694(96.4%) | 701(97.4%) | * | * | * | * | * | * | * | * | * | * |
| 2018/ 5 月 | 732(98.4%) | 681(91.5%) | * | * | * | * | * | * | * | * | * | * |
| 2018/ 6 月 | 713(99.0%) | 223(31.0%) | 135(18.8%) | * | * | * | * | * | * | * | * | * |
| 2018/ 7 月 | 724(97.3%) | 741(99.6%) | 738(99.2%) | * | * | * | * | * | * | * | * | * |
| 2018/ 8 月 | 736(98.9%) | 744(100%) | 742(99.7%) | * | * | * | * | * | * | * | * | * |
| 2018/ 9 月 | 696(96.7%) | 434(60.3%) | 434(60.3%) | * | * | * | * | * | * | * | * | * |
| 2018/10 月 | 726(97.6%) | * | * | * | * | * | * | * | * | * | * | * |
| 2018/11 月 | 699(97.1%) | * | * | * | * | * | * | * | * | * | * | * |
| 2018/冬季 | 2052(95.0%) | 1085(50.2%) | 1743(80.7%) | * | * | * | * | * | * | * | * | * |
| 2018/春季 | 2138(96.8%) | 1887(85.5%) | 308(13.9%) | * | * | * | * | * | * | * | * | * |
| 2018/夏季 | 2173(98.4%) | 1708(77.4%) | 1615(73.1%) | * | * | * | * | * | * | * | * | * |
| 2018/秋季 | 2121(97.1%) | 434(19.9%) | 434(19.9%) | * | * | * | * | * | * | * | * | * |
| 2018/整年 | 8484(96.8%) | 5114(58.4%) | 4100(46.8%) | * | * | * | * | * | * | * | * | * |
| 起始年月 | 2017/12 | 2017/12 | 2017/12 | * | * | * | * | * | * | * | * | * |
| 結束年月 | 2018/11 | 2018/09 | 2018/09 | * | * | * | * | * | * | * | * | * |

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表2.1.1b 2018年每月金門海域修補後各測站波浪資料紀錄表

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

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表2.1.2 2018年金門海域主要測站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% | 1.62 | 3.5/ 6.8/E | 5.7 | 7.4 | 1.3 | 42.6 | 54.8 | 1.2 | 68.3 | 31.7 | .0 | .0 | 100% | 31.6 | 68.4 | .0 | .0 | E /65% |
| 2018/01 | 100% | 1.32 | 3.3/ 6.8/E | 5.4 | 6.8 | 3.9 | 60.3 | 35.5 | .3 | 87.4 | 12.6 | .0 | .0 | 100% | 20.2 | 79.6 | .3 | .0 | E /72% |
| 2018/02 | 100% | 1.27 | 2.9/ 7.0/E | 5.4 | 7.0 | 6.7 | 56.4 | 36.9 | .0 | 82.9 | 17.1 | .0 | .0 | 100% | 18.6 | 80.8 | .6 | .0 | E /59% |
| 2018/03 | 100% | .92 | 3.0/ 7.0/E | 5.2 | 7.4 | 19.2 | 67.2 | 13.4 | .1 | 92.1 | 7.9 | .0 | .0 | 100% | 12.9 | 86.1 | .9 | .0 | E /55% |
| 2018/04 | 100% | .74 | 2.9/ 7.1/ENE | 4.8 | 7.3 | 44.9 | 45.1 | 10.0 | .0 | 96.8 | 3.2 | .0 | .0 | 100% | 16.4 | 76.4 | 7.2 | .0 | E /35% |
| 2018/05 | 100% | .61 | 2.2/ 5.4/ENE | 4.0 | 6.2 | 54.2 | 39.2 | 6.6 | .0 | 99.5 | .5 | .0 | .0 | 100% | 16.5 | 29.3 | 54.2 | .0 | SSW/29% |
| 2018/06 | 100% | .98 | 3.8/ 6.3/S | 4.7 | 6.7 | 11.8 | 75.7 | 11.9 | .6 | 95.6 | 4.4 | .0 | .0 | 100% | 18.5 | 41.1 | 40.4 | .0 | S /21% |
| 2018/07 | 100% | .89 | 2.1/ 5.0/SSW | 4.8 | 6.6 | 8.1 | 87.8 | 4.2 | .0 | 95.3 | 4.7 | .0 | .0 | 100% | 6.9 | 38.4 | 54.7 | .0 | S /28% |
| 2018/08 | 100% | .91 | 2.4/ 5.8/SSE | 5.3 | 7.2 | 6.0 | 87.1 | 6.9 | .0 | 78.8 | 21.2 | .0 | .0 | 100% | 1.7 | 41.8 | 56.5 | .0 | S /35% |
| 2018/09 | 100% | 1.09 | 3.0/ 6.5/ENE | 5.1 | 9.5 | 22.2 | 50.1 | 27.5 | .1 | 76.9 | 22.6 | .4 | .0 | 100% | 24.7 | 47.5 | 27.8 | .0 | E /25% |
| 2018/10 | 100% | 1.21 | 3.3/ 7.2/E | 5.1 | 7.7 | 6.2 | 67.2 | 26.5 | .1 | 87.6 | 12.4 | .0 | .0 | 100% | 48.7 | 51.1 | .1 | .1 | ENE/48% |
| 2018/11 | 100% | 1.08 | 3.6/ 6.9/E | 4.9 | 7.6 | 9.2 | 78.3 | 9.9 | 2.6 | 93.8 | 6.3 | .0 | .0 | 100% | 16.5 | 82.4 | 1.1 | .0 | E /67% |
| 2018/冬 | 100% | 1.41 | 3.5/ 6.8/E | 5.5 | 7.4 | 3.9 | 53.0 | 42.6 | .5 | 79.4 | 20.6 | .0 | .0 | 100% | 23.6 | 76.1 | .3 | .0 | E /65% |
| 2018/春 | 100% | .76 | 3.0/ 7.0/E | 4.6 | 7.4 | 39.4 | 50.6 | 10.0 | .0 | 96.1 | 3.9 | .0 | .0 | 100% | 15.3 | 63.8 | 20.9 | .0 | E /34% |
| 2018/夏 | 100% | .93 | 3.8/ 6.3/S | 4.9 | 7.2 | 8.6 | 83.6 | 7.6 | .2 | 89.8 | 10.2 | .0 | .0 | 100% | 8.9 | 40.4 | 50.6 | .0 | S /28% |
| 2018/秋 | 100% | 1.13 | 3.6/ 6.9/E | 5.0 | 9.5 | 12.5 | 65.2 | 21.3 | 1.0 | 86.1 | 13.7 | .1 | .0 | 100% | 30.2 | 60.2 | 9.6 | .0 | E /45% |
| 2018/年 | 100% | 1.05 | 3.8/ 6.3/S | 5.0 | 9.5 | 16.2 | 63.2 | 20.3 | .4 | 87.9 | 12.1 | .0 | .0 | 100% | 19.4 | 60.0 | 20.5 | .0 | E /39% |

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

| 觀測 日期 年、月 | 波高 H_s | | H_s 最大 | T_p | T_p | 小波 | 小浪 | 中浪 | 大浪 | T_p | T_p | T_p | T_p | 波向 | 波向 | 波向 | 波向 | 波向 | 主波向 |
|-----------------|----------|-----------|------------------------|-------|-------|--------------|--------------|------------|------------|------------|-------------|--------------|-------------|---------|------------|------------|------------|------------|---------------|
| | 蒐集 率 | 平均 (m) | (波高/週期/波向) (m/s/來向) | 平均 | 最大 | <0.5m (%) | ~1.5m (%) | ~3m (%) | >3m (%) | <6s (%) | 6~8s (%) | 8~10s (%) | >10s (%) | 蒐集 率 | N~E (%) | E~S (%) | S~W (%) | W~N (%) | (百分比) 來向/% |
| 2017/12 | 100% | 1.34 | 2.6/ 8.4/ESE | 7.5 | 9.9 | .0 | 65.7 | 34.3 | .0 | .1 | 85.8 | 14.1 | .0 | 100% | 3.1 | 96.8 | .0 | .1 | ESE/93% |
| 2018/01 | 100% | 1.09 | 2.0/ 7.5/E | 7.0 | 10.7 | 1.9 | 87.6 | 10.5 | .0 | 3.5 | 92.2 | 3.8 | .5 | 100% | 1.6 | 98.4 | .0 | .0 | ESE/60% |
| 2018/02 | 100% | 1.03 | 1.9/ 8.2/ESE | 7.0 | 9.9 | 3.6 | 90.6 | 5.8 | .0 | 7.4 | 85.3 | 7.3 | .0 | 100% | 1.0 | 99.0 | .0 | .0 | ESE/62% |
| 2018/03 | 100% | .81 | 2.1/ 8.9/ESE | 6.9 | 9.8 | 12.6 | 81.2 | 6.2 | .0 | 8.7 | 81.7 | 9.5 | .0 | 100% | 1.1 | 98.9 | .0 | .0 | ESE/51% |
| 2018/04 | 100% | .68 | 2.2/ 7.6/ESE | 6.3 | 12.6 | 31.7 | 65.8 | 2.5 | .0 | 34.9 | 56.5 | 7.2 | 1.4 | 100% | .0 | 97.8 | 2.2 | .0 | ESE/42% |
| 2018/05 | 100% | .67 | 1.6/ 7.0/E | 4.9 | 10.5 | 30.1 | 69.2 | .7 | .0 | 69.8 | 24.2 | 5.1 | .9 | 100% | .7 | 70.0 | 28.1 | 1.2 | ESE/23% |
| 2018/06 | 100% | 1.16 | 4.1/ 8.1/SSE | 6.8 | 9.0 | .8 | 77.6 | 20.3 | 1.3 | 18.2 | 59.4 | 22.4 | .0 | 100% | .0 | 94.6 | 5.4 | .0 | SSE/30% |
| 2018/07 | 100% | 1.00 | 2.2/ 5.8/S | 6.9 | 9.6 | 1.5 | 94.4 | 4.2 | .0 | 22.2 | 52.3 | 25.5 | .0 | 100% | .0 | 84.4 | 15.6 | .0 | SSE/41% |
| 2018/08 | 100% | 1.09 | 2.5/ 8.1/SSE | 7.7 | 10.4 | 1.7 | 82.9 | 15.3 | .0 | 16.0 | 37.9 | 44.4 | 1.7 | 100% | .0 | 94.9 | 5.1 | .0 | SSE/68% |
| 2018/09 | 100% | 1.08 | 3.0/11.2/SSE | 7.2 | 14.6 | 10.6 | 67.6 | 21.8 | .0 | 22.8 | 44.0 | 25.7 | 7.5 | 100% | .0 | 90.8 | 9.2 | .0 | ESE/40% |
| 2018/10 | 100% | 1.06 | 2.4/11.1/ESE | 7.1 | 12.5 | 2.7 | 87.1 | 10.2 | .0 | 2.8 | 88.3 | 7.1 | 1.7 | 100% | .1 | 99.5 | .3 | .1 | ESE/84% |
| 2018/11 | 100% | .99 | 2.5/ 8.4/E | 6.8 | 8.9 | .0 | 93.5 | 6.5 | .0 | 4.0 | 90.4 | 5.6 | .0 | 100% | .0 | 98.9 | 1.1 | .0 | ESE/46% |
| 2018/冬 | 100% | 1.16 | 2.6/ 8.4/ESE | 7.2 | 10.7 | 1.8 | 81.0 | 17.2 | .0 | 3.6 | 87.8 | 8.4 | .2 | 100% | 1.9 | 98.0 | .0 | .0 | ESE/72% |
| 2018/春 | 100% | .72 | 2.2/ 7.6/ESE | 6.0 | 12.6 | 24.7 | 72.1 | 3.1 | .0 | 37.8 | 54.1 | 7.3 | .8 | 100% | .6 | 88.8 | 10.2 | .4 | ESE/39% |
| 2018/夏 | 100% | 1.08 | 4.1/ 8.1/SSE | 7.1 | 10.4 | 1.4 | 85.1 | 13.2 | .4 | 18.8 | 49.8 | 30.8 | .6 | 100% | .0 | 91.3 | 8.7 | .0 | SSE/46% |
| 2018/秋 | 100% | 1.05 | 3.0/11.2/SSE | 7.0 | 14.6 | 4.4 | 82.8 | 12.8 | .0 | 9.8 | 74.4 | 12.7 | 3.1 | 100% | .0 | 96.4 | 3.5 | .0 | ESE/57% |
| 2018/年 | 100% | 1.00 | 4.1/ 8.1/SSE | 6.8 | 14.6 | 8.1 | 80.2 | 11.6 | .1 | 17.6 | 66.4 | 14.9 | 1.2 | 100% | .6 | 93.6 | 5.6 | .1 | ESE/45% |

Wave H_s in Kin-Men seas of KMY0 at 2018

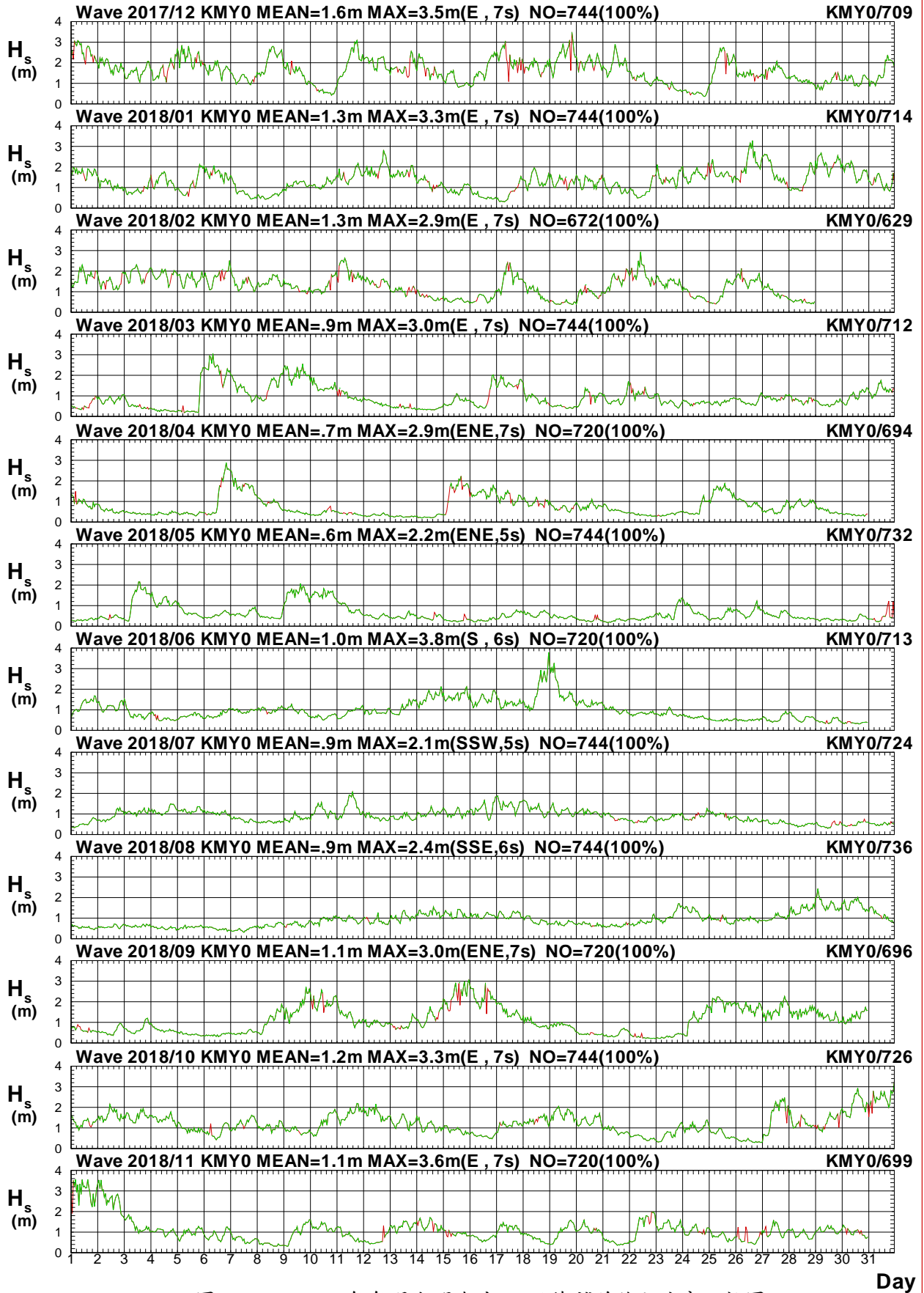


圖2.1.1a 2018年每月金門海域 Y 站修補前後之波高比較圖

V17CKMY0.1HA V17CKMY0.1H0 V181KMY0.1HA V181KMY0.1H0 V182KMY0.1HA V182KMY0.1H0
 V183KMY0.1HA V183KMY0.1H0 V184KMY0.1HA V184KMY0.1H0 V185KMY0.1HA V185KMY0.1H0

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Wave T_p in Kin-Men seas of KMY0 at 2018

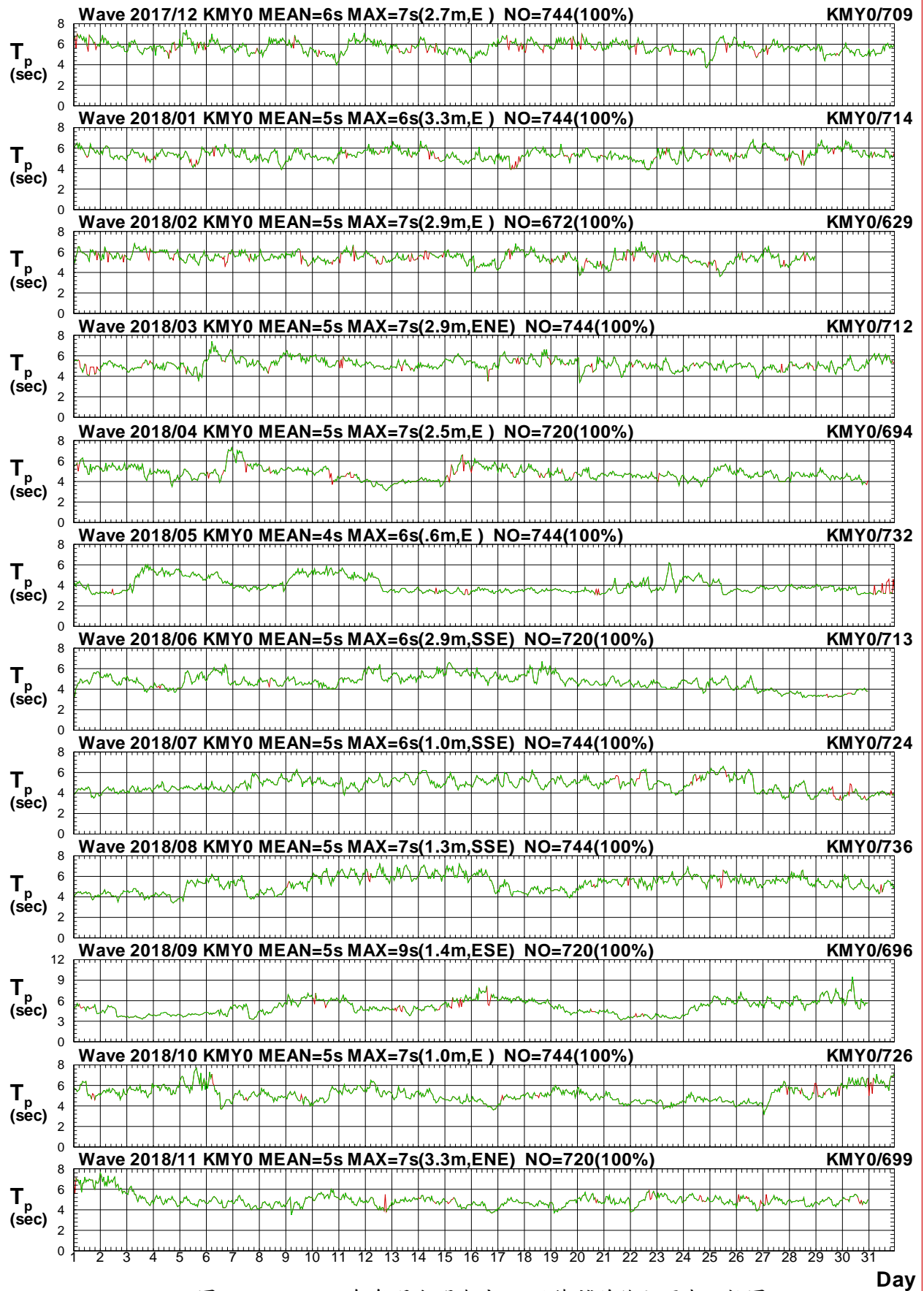


圖2.1.1b 2018年每月金門海域 Y 站修補前後之週期比較圖

V17CKMY0.1HA V17CKMY0.1H0 V181KMY0.1HA V181KMY0.1H0 V182KMY0.1HA V182KMY0.1H0
 V183KMY0.1HA V183KMY0.1H0 V184KMY0.1HA V184KMY0.1H0 V185KMY0.1HA V185KMY0.1H0

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Wave Direction in Kin-Men seas of KMY0 at 2018

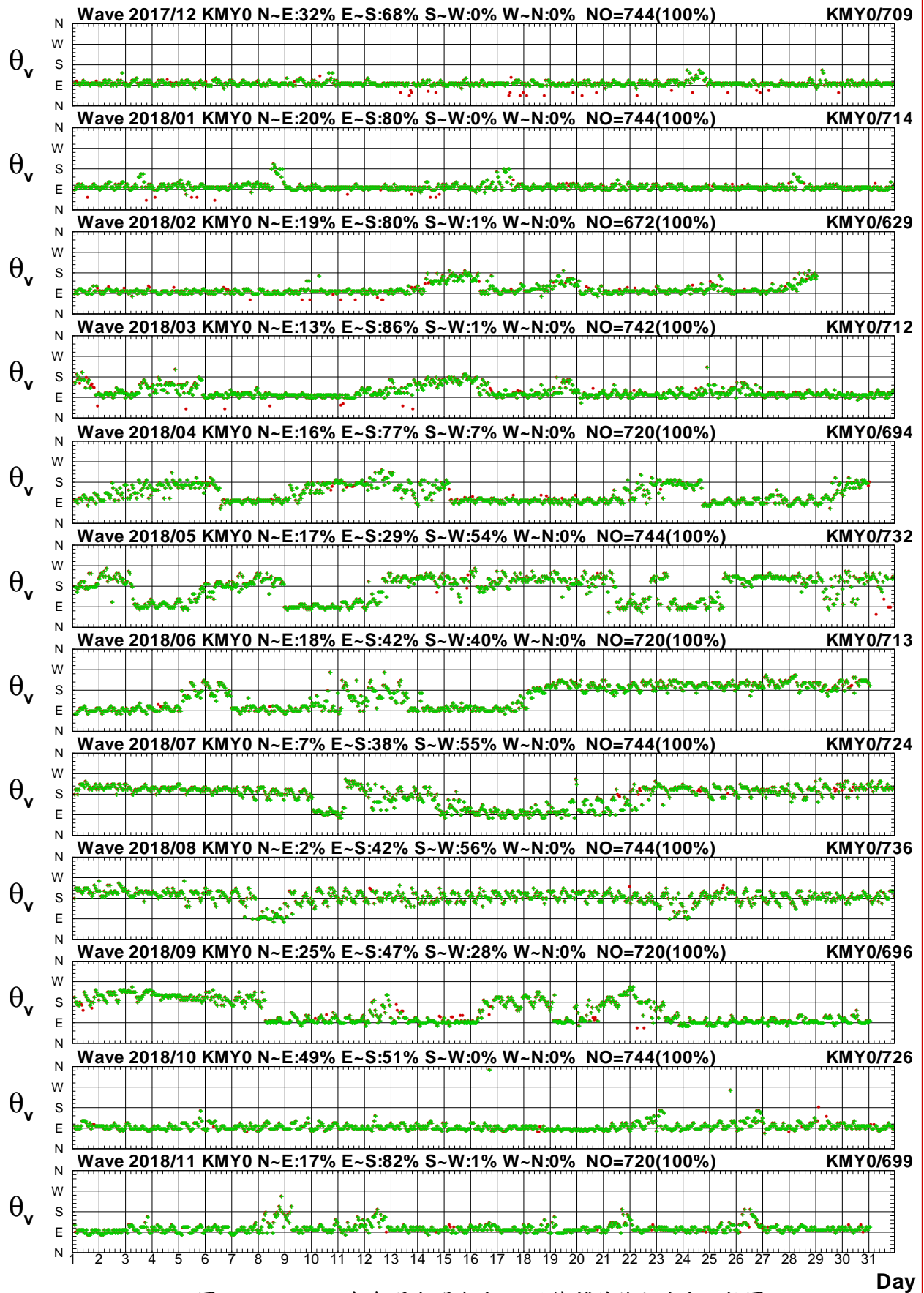


圖2.1.1c 2018年每月金門海域 Y 站修補前後之波向比較圖

V17CKMY0.1HA V17CKMY0.1H0 V181KMY0.1HA V181KMY0.1H0 V182KMY0.1HA V182KMY0.1H0
 V183KMY0.1HA V183KMY0.1H0 V184KMY0.1HA V184KMY0.1H0 V185KMY0.1HA V185KMY0.1H0

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Wave H_s in Kin-Men seas of KMX0 at 2018

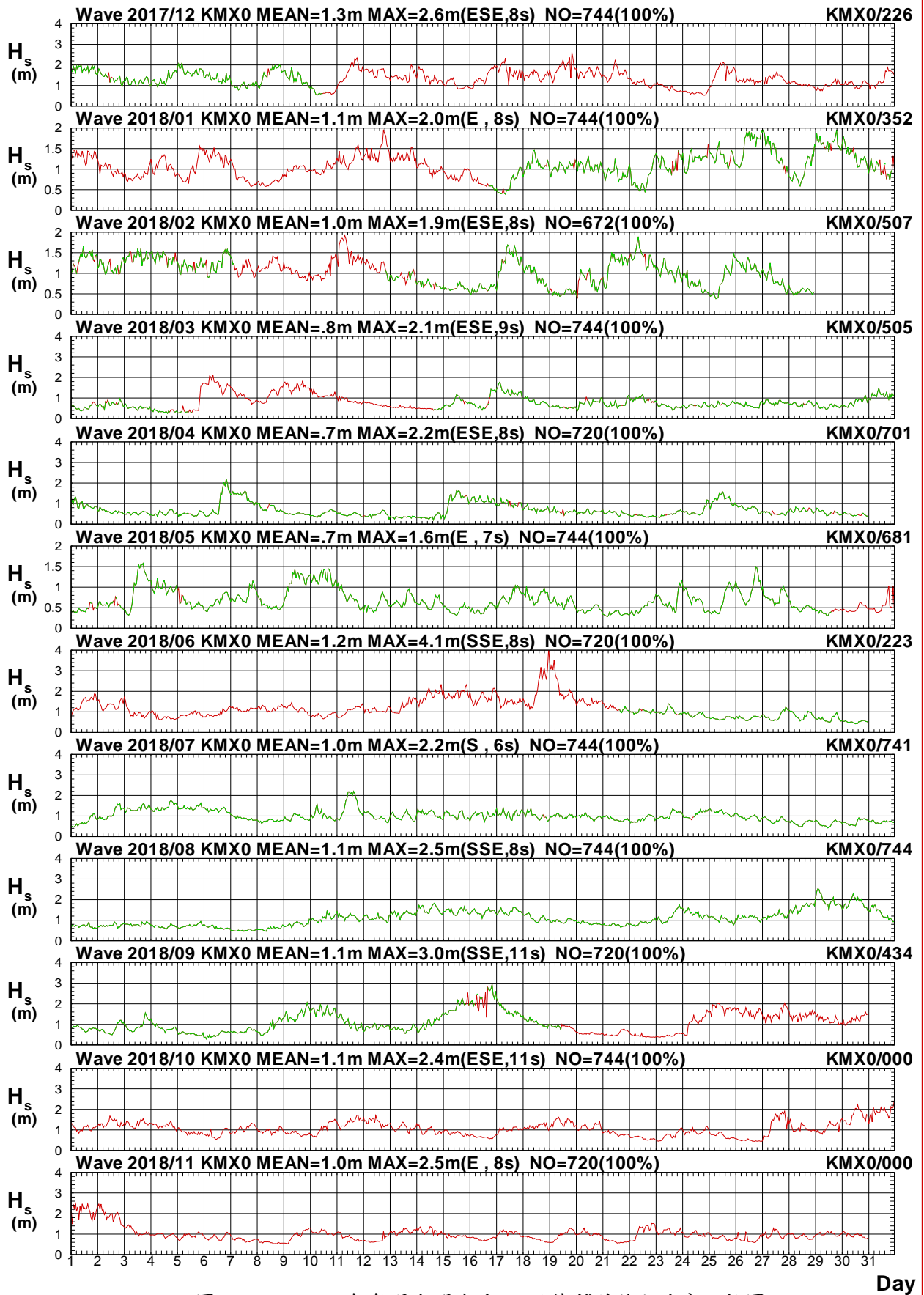


圖2.1.2a 2018年每月金門海域 X 站修補前後之波高比較圖

V17CKMX0.1HA V17CKMX0.1H0 V181KMX0.1HA V181KMX0.1H0 V182KMX0.1HA V182KMX0.1H0
 V183KMX0.1HA V183KMX0.1H0 V184KMX0.1HA V184KMX0.1H0 V185KMX0.1HA V185KMX0.1H0

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Wave T_p in Kin-Men seas of KMX0 at 2018

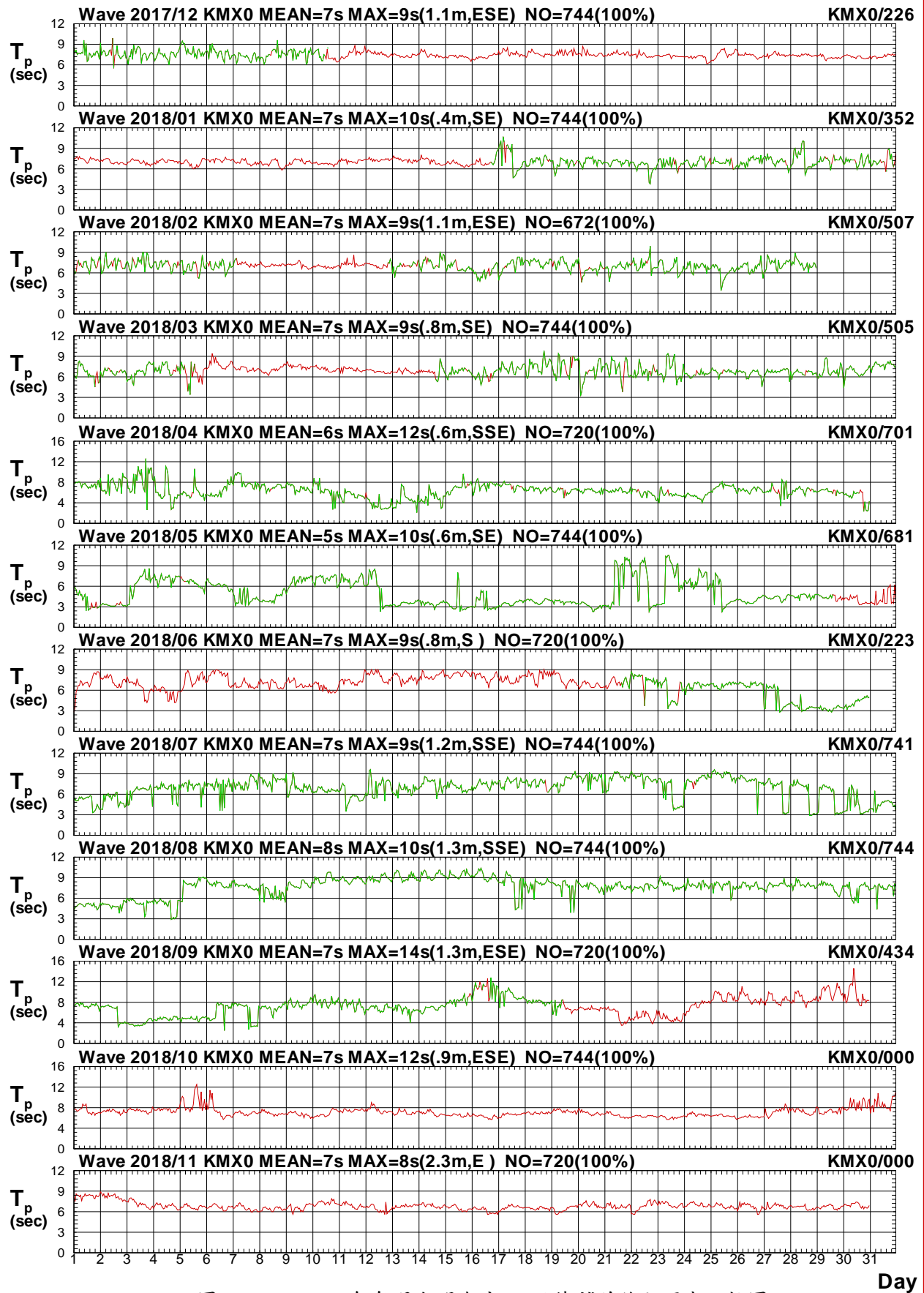


圖2.1.2b 2018年每月金門海域 X 站修補前後之週期比較圖

V17CKMX0.1HA V17CKMX0.1H0 V181KMX0.1HA V181KMX0.1H0 V182KMX0.1HA V182KMX0.1H0
 V183KMX0.1HA V183KMX0.1H0 V184KMX0.1HA V184KMX0.1H0 V185KMX0.1HA V185KMX0.1H0

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Wave Direction in Kin-Men seas of KMX0 at 2018

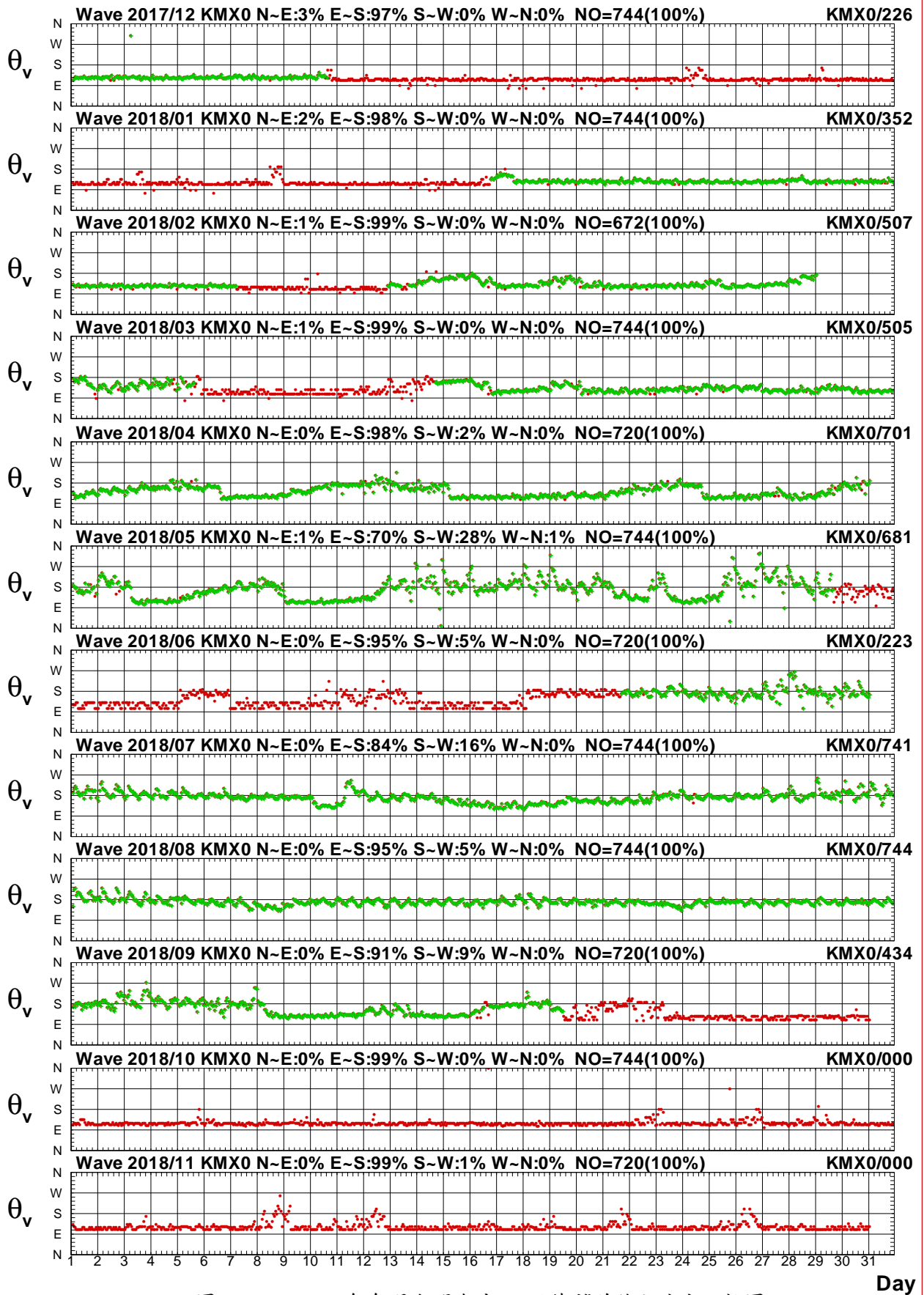


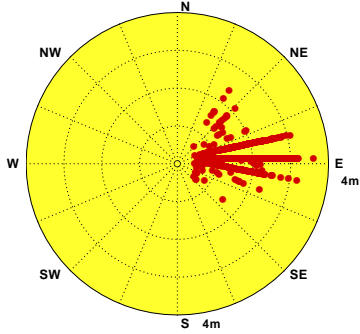
圖2.1.2c 2018年每月金門海域 X 站修補前後之波向比較圖

V17CKMX0.1HA V17CKMX0.1H0 V181KMX0.1HA V181KMX0.1H0 V182KMX0.1HA V182KMX0.1H0
 V183KMX0.1HA V183KMX0.1H0 V184KMX0.1HA V184KMX0.1H0 V185KMX0.1HA V185KMX0.1H0

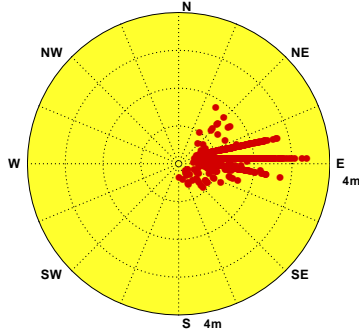
Institute of Harbor & Marine Technology

Distribution of H_s Vectors

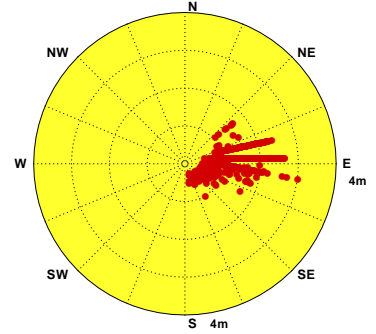
Wave of KMY0 at 2017/12 NO=744(100%)
Hs : MEAN=1.6m MAX=3.5m(E, 7s)
N-E:32% E-S:68% S-W:0% W-N:0%



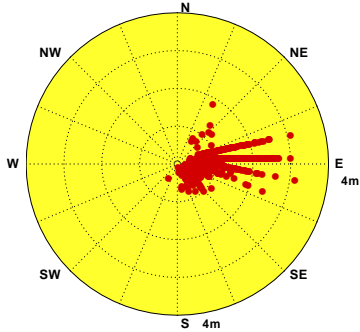
Wave of KMY0 at 2018/01 NO=744(100%)
Hs : MEAN=1.3m MAX=3.3m(E, 7s)
N-E:20% E-S:80% S-W:0% W-N:0%



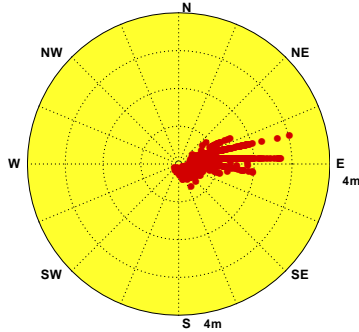
Wave of KMY0 at 2018/02 NO=672(100%)
Hs : MEAN=1.3m MAX=2.9m(E, 7s)
N-E:19% E-S:80% S-W:1% W-N:0%



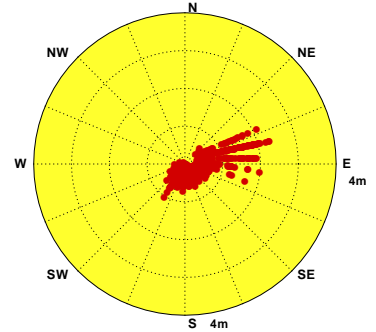
Wave of KMY0 at 2018/03 NO=744(100%)
Hs : MEAN=.9m MAX=3.0m(E, 7s)
N-E:13% E-S:86% S-W:1% W-N:0%



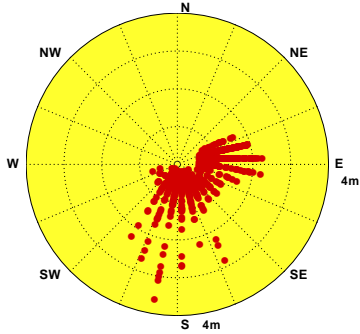
Wave of KMY0 at 2018/04 NO=720(100%)
Hs : MEAN=.7m MAX=2.9m(ENE,7s)
N-E:16% E-S:77% S-W:7% W-N:0%



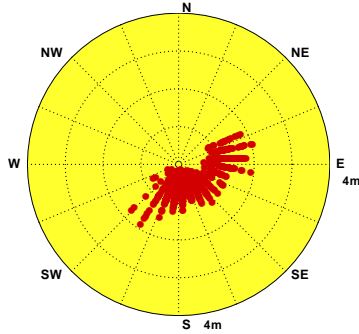
Wave of KMY0 at 2018/05 NO=744(100%)
Hs : MEAN=.6m MAX=2.2m(ENE,5s)
N-E:17% E-S:29% S-W:54% W-N:0%



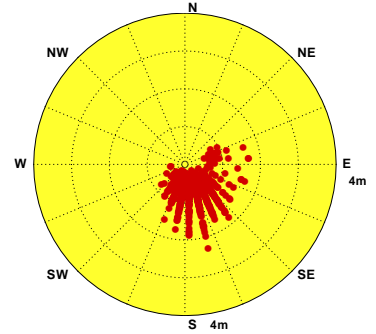
Wave of KMY0 at 2018/06 NO=720(100%)
Hs : MEAN=1.0m MAX=3.8m(S, 6s)
N-E:18% E-S:42% S-W:40% W-N:0%



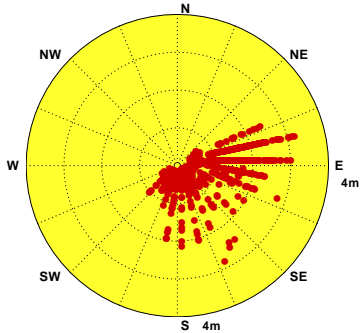
Wave of KMY0 at 2018/07 NO=744(100%)
Hs : MEAN=.9m MAX=2.1m(SSW,5s)
N-E:7% E-S:38% S-W:55% W-N:0%



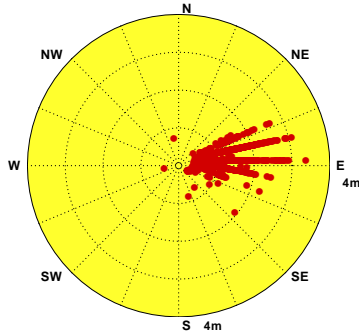
Wave of KMY0 at 2018/08 NO=744(100%)
Hs : MEAN=.9m MAX=2.4m(SSE,6s)
N-E:2% E-S:42% S-W:56% W-N:0%



Wave of KMY0 at 2018/09 NO=720(100%)
Hs : MEAN=1.1m MAX=3.0m(ENE,7s)
N-E:25% E-S:47% S-W:28% W-N:0%



Wave of KMY0 at 2018/10 NO=744(100%)
Hs : MEAN=1.2m MAX=3.3m(E, 7s)
N-E:49% E-S:51% S-W:0% W-N:0%



Wave of KMY0 at 2018/11 NO=720(100%)
Hs : MEAN=1.1m MAX=3.6m(E, 7s)
N-E:17% E-S:82% S-W:1% W-N:0%

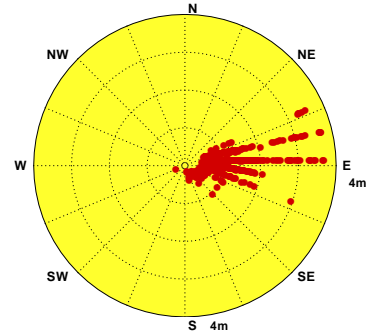


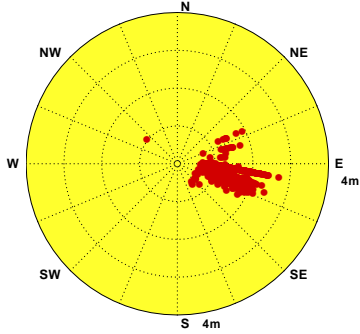
圖2.1.3 2018年金門海域每月 Y 站修補後觀測波高向量分佈圖

V17CKMY0.1HA V181KMY0.1HA V182KMY0.1HA V183KMY0.1HA V184KMY0.1HA V185KMY0.1HA
V186KMY0.1HA V187KMY0.1HA V188KMY0.1HA V189KMY0.1HA V18AKMY0.1HA V18BKMY0.1HA

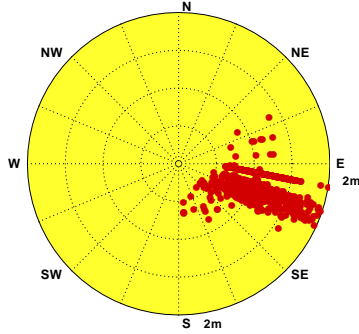
Institute of Harbor & Marine Technology

Distribution of H_s Vectors

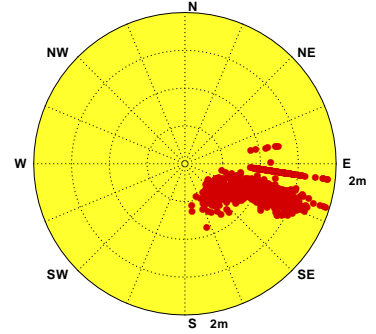
Wave of KMX0 at 2017/12 NO=744(100%)
 Hs : MEAN=1.3m MAX=2.6m(ESE,8s)
 N-E:3% E-S:97% S-W:0% W-N:0%



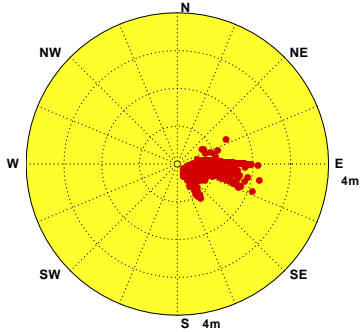
Wave of KMX0 at 2018/01 NO=744(100%)
 Hs : MEAN=1.1m MAX=2.0m(E, 8s)
 N-E:2% E-S:98% S-W:0% W-N:0%



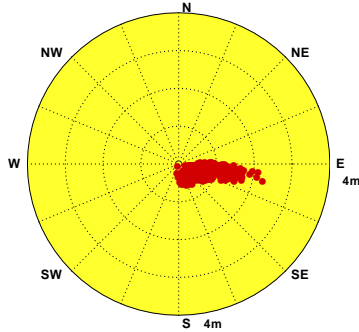
Wave of KMX0 at 2018/02 NO=672(100%)
 Hs : MEAN=1.0m MAX=1.9m(ESE,8s)
 N-E:1% E-S:99% S-W:0% W-N:0%



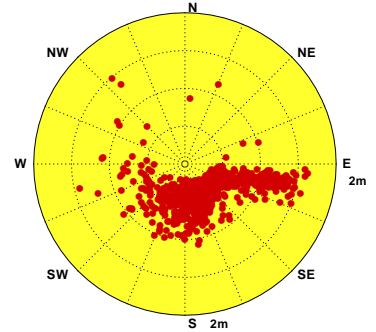
Wave of KMX0 at 2018/03 NO=744(100%)
 Hs : MEAN=.8m MAX=2.1m(ESE,9s)
 N-E:1% E-S:99% S-W:0% W-N:0%



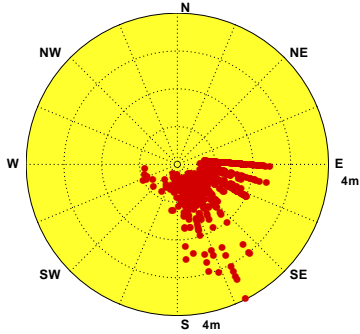
Wave of KMX0 at 2018/04 NO=720(100%)
 Hs : MEAN=.7m MAX=2.2m(ESE,8s)
 N-E:0% E-S:98% S-W:2% W-N:0%



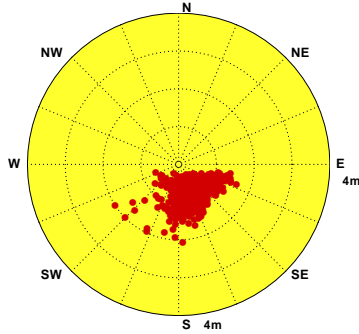
Wave of KMX0 at 2018/05 NO=744(100%)
 Hs : MEAN=.7m MAX=1.6m(E, 7s)
 N-E:1% E-S:70% S-W:28% W-N:1%



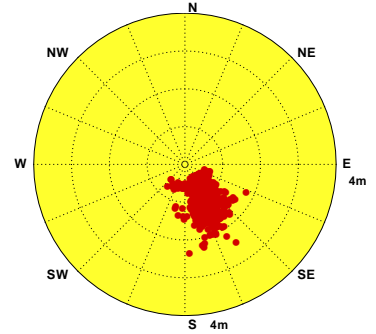
Wave of KMX0 at 2018/06 NO=720(100%)
 Hs : MEAN=1.2m MAX=4.1m(SSE,8s)
 N-E:0% E-S:95% S-W:5% W-N:0%



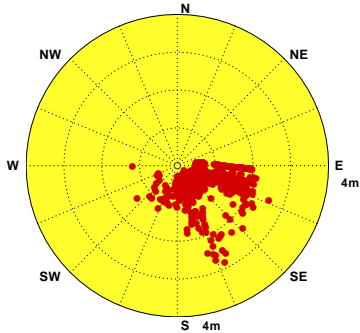
Wave of KMX0 at 2018/07 NO=744(100%)
 Hs : MEAN=1.0m MAX=2.2m(S, 6s)
 N-E:0% E-S:84% S-W:16% W-N:0%



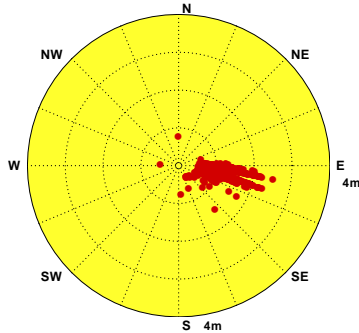
Wave of KMX0 at 2018/08 NO=744(100%)
 Hs : MEAN=1.1m MAX=2.5m(SSE,8s)
 N-E:0% E-S:95% S-W:5% W-N:0%



Wave of KMX0 at 2018/09 NO=720(100%)
 Hs : MEAN=1.1m MAX=3.0m(SSE,11s)
 N-E:0% E-S:91% S-W:9% W-N:0%



Wave of KMX0 at 2018/10 NO=744(100%)
 Hs : MEAN=1.1m MAX=2.4m(ESE,11s)
 N-E:0% E-S:99% S-W:0% W-N:0%



Wave of KMX0 at 2018/11 NO=720(100%)
 Hs : MEAN=1.0m MAX=2.5m(E, 8s)
 N-E:0% E-S:99% S-W:1% W-N:0%

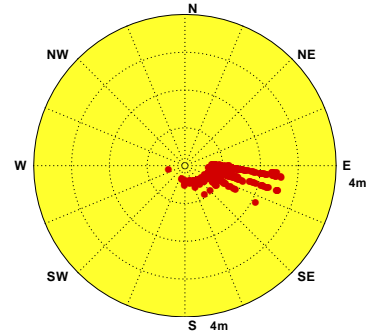


圖2.1.4 2018年金門海域每月 X 站修補後觀測波高向量分佈圖

V17CKMX0.1HA V181KMX0.1HA V182KMX0.1HA V183KMX0.1HA V184KMX0.1HA V185KMX0.1HA
 V186KMX0.1HA V187KMX0.1HA V188KMX0.1HA V189KMX0.1HA V18AKMX0.1HA V18BKMX0.1HA

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2.2 2018 年金門海域各測站修補前 波浪統計量統計表

表2.2.1 2018年金門海域 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 | 95% | 1.62 | 3.5/ 6.8/E | 5.7 | 7.4 | 1.3 | 42.3 | 55.1 | 1.3 | 66.9 | 33.1 | .0 | .0 | 95% | 29.9 | 70.1 | .0 | .0 | E /66% |
| 2018/01 | 96% | 1.33 | 3.3/ 6.8/E | 5.4 | 6.8 | 4.1 | 59.8 | 35.9 | .3 | 86.8 | 13.2 | .0 | .0 | 96% | 19.3 | 80.4 | .3 | .0 | E /73% |
| 2018/02 | 94% | 1.28 | 2.9/ 7.0/E | 5.5 | 7.0 | 6.8 | 55.5 | 37.7 | .0 | 81.7 | 18.3 | .0 | .0 | 94% | 18.4 | 80.9 | .6 | .0 | E /62% |
| 2018/03 | 96% | .92 | 3.0/ 7.0/E | 5.2 | 7.4 | 19.2 | 66.7 | 13.9 | .1 | 91.7 | 8.3 | .0 | .0 | 96% | 12.4 | 86.7 | 1.0 | .0 | E /57% |
| 2018/04 | 96% | .74 | 2.9/ 7.1/ENE | 4.8 | 7.3 | 45.2 | 44.8 | 9.9 | .0 | 96.7 | 3.3 | .0 | .0 | 96% | 17.0 | 75.5 | 7.5 | .0 | E /36% |
| 2018/05 | 98% | .61 | 2.2/ 5.4/ENE | 4.0 | 6.2 | 54.6 | 38.7 | 6.7 | .0 | 99.5 | .5 | .0 | .0 | 98% | 16.3 | 29.2 | 54.5 | .0 | SSW/29% |
| 2018/06 | 99% | .98 | 3.8/ 6.3/S | 4.7 | 6.7 | 11.4 | 76.0 | 12.1 | .6 | 95.5 | 4.5 | .0 | .0 | 99% | 18.7 | 40.8 | 40.5 | .0 | E /21% |
| 2018/07 | 97% | .90 | 2.1/ 5.0/SSW | 4.8 | 6.6 | 8.0 | 87.7 | 4.3 | .0 | 95.2 | 4.8 | .0 | .0 | 97% | 7.0 | 38.8 | 54.1 | .0 | S /27% |
| 2018/08 | 99% | .92 | 2.4/ 5.8/SSE | 5.3 | 7.2 | 6.1 | 87.0 | 6.9 | .0 | 78.5 | 21.5 | .0 | .0 | 99% | 1.8 | 42.3 | 56.0 | .0 | S /35% |
| 2018/09 | 97% | 1.09 | 3.0/ 6.5/ENE | 5.1 | 9.5 | 22.6 | 49.9 | 27.4 | .1 | 76.3 | 23.3 | .4 | .0 | 97% | 25.3 | 46.0 | 28.7 | .0 | E /25% |
| 2018/10 | 98% | 1.21 | 3.3/ 7.2/E | 5.1 | 7.7 | 6.3 | 66.7 | 26.9 | .1 | 87.7 | 12.3 | .0 | .0 | 98% | 48.6 | 51.1 | .1 | .1 | ENE/48% |
| 2018/11 | 97% | 1.08 | 3.6/ 6.9/E | 4.9 | 7.6 | 9.4 | 78.0 | 9.9 | 2.7 | 93.6 | 6.4 | .0 | .0 | 97% | 16.0 | 82.8 | 1.1 | .0 | E /67% |
| 2018/冬 | 95% | 1.41 | 3.5/ 6.8/E | 5.5 | 7.4 | 3.9 | 52.4 | 43.1 | .5 | 78.4 | 21.6 | .0 | .0 | 95% | 22.7 | 77.0 | .3 | .0 | E /67% |
| 2018/春 | 97% | .75 | 3.0/ 7.0/E | 4.6 | 7.4 | 39.8 | 50.0 | 10.1 | .0 | 96.0 | 4.0 | .0 | .0 | 97% | 15.2 | 63.4 | 21.4 | .0 | E /35% |
| 2018/夏 | 98% | .93 | 3.8/ 6.3/S | 4.9 | 7.2 | 8.5 | 83.6 | 7.7 | .2 | 89.6 | 10.4 | .0 | .0 | 98% | 9.1 | 40.6 | 50.3 | .0 | S /28% |
| 2018/秋 | 97% | 1.13 | 3.6/ 6.9/E | 5.0 | 9.5 | 12.7 | 64.9 | 21.5 | 1.0 | 85.9 | 14.0 | .1 | .0 | 97% | 30.2 | 59.9 | 9.9 | .0 | E /45% |
| 2018/年 | 97% | 1.05 | 3.8/ 6.3/S | 5.0 | 9.5 | 16.3 | 62.9 | 20.3 | .4 | 87.6 | 12.4 | .0 | .0 | 97% | 19.2 | 60.0 | 20.8 | .0 | E /40% |

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

| 觀測 日期 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 | 30% | 1.36 | 2.1/ | 9.1/ESE | 7.6 | 9.9 | .0 | 61.9 | 38.1 | .0 | .4 | 72.6 | 27.0 | .0 | 30% | .0 | 99.6 | .0 | .4 | ESE/95% |
| 2018/01 | 47% | 1.13 | 2.0/ | 7.8/ESE | 7.0 | 10.7 | 4.0 | 80.1 | 15.9 | .0 | 7.1 | 84.1 | 7.7 | 1.1 | 47% | .0 | 100.0 | .0 | .0 | ESE/88% |
| 2018/02 | 75% | 1.00 | 1.9/ | 6.8/ESE | 7.0 | 9.9 | 4.7 | 89.9 | 5.3 | .0 | 9.7 | 81.1 | 9.3 | .0 | 75% | .0 | 100.0 | .0 | .0 | ESE/70% |
| 2018/03 | 68% | .72 | 1.8/ | 8.2/ESE | 6.9 | 9.8 | 13.7 | 85.5 | .8 | .0 | 12.3 | 75.6 | 12.1 | .0 | 68% | .0 | 100.0 | .0 | .0 | ESE/57% |
| 2018/04 | 97% | .68 | 2.2/ | 7.6/ESE | 6.3 | 12.6 | 31.4 | 66.0 | 2.6 | .0 | 35.7 | 55.5 | 7.4 | 1.4 | 97% | .0 | 97.7 | 2.3 | .0 | ESE/42% |
| 2018/05 | 92% | .68 | 1.6/ | 7.0/E | 5.0 | 10.5 | 27.0 | 72.2 | .7 | .0 | 67.5 | 25.8 | 5.6 | 1.0 | 92% | .6 | 68.1 | 30.0 | 1.3 | ESE/24% |
| 2018/06 | 31% | .80 | 1.4/ | 3.9/S | 5.6 | 8.7 | 2.7 | 97.3 | .0 | .0 | 43.9 | 51.1 | 4.9 | .0 | 31% | .0 | 83.4 | 16.6 | .0 | SSE/50% |
| 2018/07 | 100% | 1.00 | 2.2/ | 5.8/S | 6.9 | 9.6 | 1.5 | 94.3 | 4.2 | .0 | 22.3 | 52.1 | 25.6 | .0 | 100% | .0 | 84.3 | 15.7 | .0 | SSE/41% |
| 2018/08 | 100% | 1.09 | 2.5/ | 8.1/SSE | 7.7 | 10.4 | 1.7 | 82.9 | 15.3 | .0 | 16.0 | 37.9 | 44.4 | 1.7 | 100% | .0 | 94.9 | 5.1 | .0 | SSE/68% |
| 2018/09 | 60% | 1.07 | 3.0/ | 11.2/SSE | 6.9 | 12.8 | 5.5 | 74.0 | 20.5 | .0 | 24.9 | 51.6 | 18.9 | 4.6 | 60% | .0 | 85.9 | 14.1 | .0 | ESE/29% |
| 2018/10 | 0 | | | | | | | | | | | | | | | | | | | |
| 2018/11 | 0 | | | | | | | | | | | | | | | | | | | |
| 2018/冬 | 50% | 1.12 | 2.1/ | 9.1/ESE | 7.1 | 10.7 | 3.5 | 80.9 | 15.6 | .0 | 6.9 | 80.3 | 12.4 | .4 | 50% | .0 | 99.9 | .0 | .1 | ESE/81% |
| 2018/春 | 86% | .69 | 2.2/ | 7.6/ESE | 6.0 | 12.6 | 25.1 | 73.5 | 1.4 | .0 | 40.9 | 50.2 | 8.0 | .9 | 86% | .2 | 87.7 | 11.7 | .5 | ESE/40% |
| 2018/夏 | 77% | 1.02 | 2.5/ | 8.1/SSE | 7.1 | 10.4 | 1.8 | 89.8 | 8.5 | .0 | 22.4 | 45.8 | 31.1 | .8 | 77% | .0 | 88.8 | 11.2 | .0 | SSE/54% |
| 2018/秋 | 20% | 1.07 | 3.0/ | 11.2/SSE | 6.9 | 12.8 | 5.5 | 74.0 | 20.5 | .0 | 24.9 | 51.6 | 18.9 | 4.6 | 20% | .0 | 85.9 | 14.1 | .0 | ESE/29% |
| 2018/年 | 58% | .92 | 3.0/ | 11.2/SSE | 6.7 | 12.8 | 11.0 | 80.5 | 8.4 | .0 | 26.1 | 55.2 | 17.6 | 1.1 | 58% | .1 | 90.5 | 9.2 | .2 | ESE/35% |

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

| 觀測日期 | 波高 | 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 | 52% | .28 | .6/ 3.2/ESE | 6.8 | 11.5 | 96.1 | 3.9 | .0 | .0 | 38.9 | 8.6 | 37.9 | 14.6 | 52% | 26.1 | 2.6 | 68.7 | 2.6 | sw /49% |
| 2018/01 | 97% | .33 | .7/ 3.4/NNE | 5.1 | 12.2 | 94.5 | 5.5 | .0 | .0 | 63.4 | 12.6 | 20.1 | 3.9 | 97% | 1.4 | 1.9 | 92.8 | 3.9 | sw /47% |
| 2018/02 | 95% | .38 | .6/ 2.8/SW | 5.7 | 12.3 | 92.5 | 7.5 | .0 | .0 | 53.7 | 14.7 | 24.7 | 6.9 | 95% | 1.9 | 2.5 | 92.5 | 3.1 | sw /45% |
| 2018/03 | 41% | .36 | .7/ 3.5/N | 6.0 | 38.9 | 90.3 | 9.7 | .0 | .0 | 47.7 | 30.5 | 11.4 | 10.4 | 41% | 3.2 | 6.8 | 86.7 | 3.2 | sw /40% |
| 2018/04 | 0 | | | | | | | | | | | | | | | | | | |
| 2018/05 | 0 | | | | | | | | | | | | | | | | | | |
| 2018/06 | 19% | .40 | .7/ 3.7/SW | 3.9 | 12.0 | 82.2 | 17.8 | .0 | .0 | 88.9 | 10.4 | .0 | .7 | 19% | 1.5 | .7 | 92.6 | 5.2 | sw /47% |
| 2018/07 | 99% | .48 | 1.4/ 6.2/SW | 5.8 | 9.9 | 62.6 | 37.4 | .0 | .0 | 52.7 | 23.0 | 24.3 | .0 | 99% | .7 | .8 | 96.5 | 2.0 | sw /60% |
| 2018/08 | 100% | .51 | 1.2/ 5.8/SW | 6.7 | 10.9 | 54.6 | 45.4 | .0 | .0 | 36.7 | 29.1 | 33.0 | 1.2 | 100% | .5 | 1.1 | 95.8 | 2.6 | sw /61% |
| 2018/09 | 60% | .41 | 1.1/11.8/SW | 6.1 | 16.5 | 77.2 | 22.8 | .0 | .0 | 53.9 | 22.1 | 10.1 | 13.8 | 60% | 3.7 | 2.1 | 90.6 | 3.7 | sw /56% |
| 2018/10 | 0 | | | | | | | | | | | | | | | | | | |
| 2018/11 | 0 | | | | | | | | | | | | | | | | | | |
| 2018/冬 | 81% | .34 | .7/ 3.4/NNE | 5.7 | 12.3 | 94.1 | 5.9 | .0 | .0 | 54.4 | 12.5 | 25.7 | 7.3 | 81% | 7.0 | 2.3 | 87.4 | 3.3 | sw /47% |
| 2018/春 | 14% | .36 | .7/ 3.5/N | 6.0 | 38.9 | 90.3 | 9.7 | .0 | .0 | 47.7 | 30.5 | 11.4 | 10.4 | 14% | 3.2 | 6.8 | 86.7 | 3.2 | sw /40% |
| 2018/夏 | 73% | .49 | 1.4/ 6.2/SW | 6.0 | 12.0 | 60.6 | 39.4 | .0 | .0 | 48.4 | 24.8 | 26.3 | .6 | 73% | .7 | .9 | 95.9 | 2.5 | sw /60% |
| 2018/秋 | 20% | .41 | 1.1/11.8/SW | 6.1 | 16.5 | 77.2 | 22.8 | .0 | .0 | 53.9 | 22.1 | 10.1 | 13.8 | 20% | 3.7 | 2.1 | 90.6 | 3.7 | sw /56% |
| 2018/年 | 47% | .41 | 1.4/ 6.2/SW | 5.9 | 38.9 | 78.8 | 21.2 | .0 | .0 | 51.5 | 19.7 | 23.2 | 5.6 | 47% | 3.9 | 2.1 | 91.0 | 3.0 | sw /52% |

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2.3 2018 年金門海域**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 Kin-Men Harbor of KMY0 at 2018

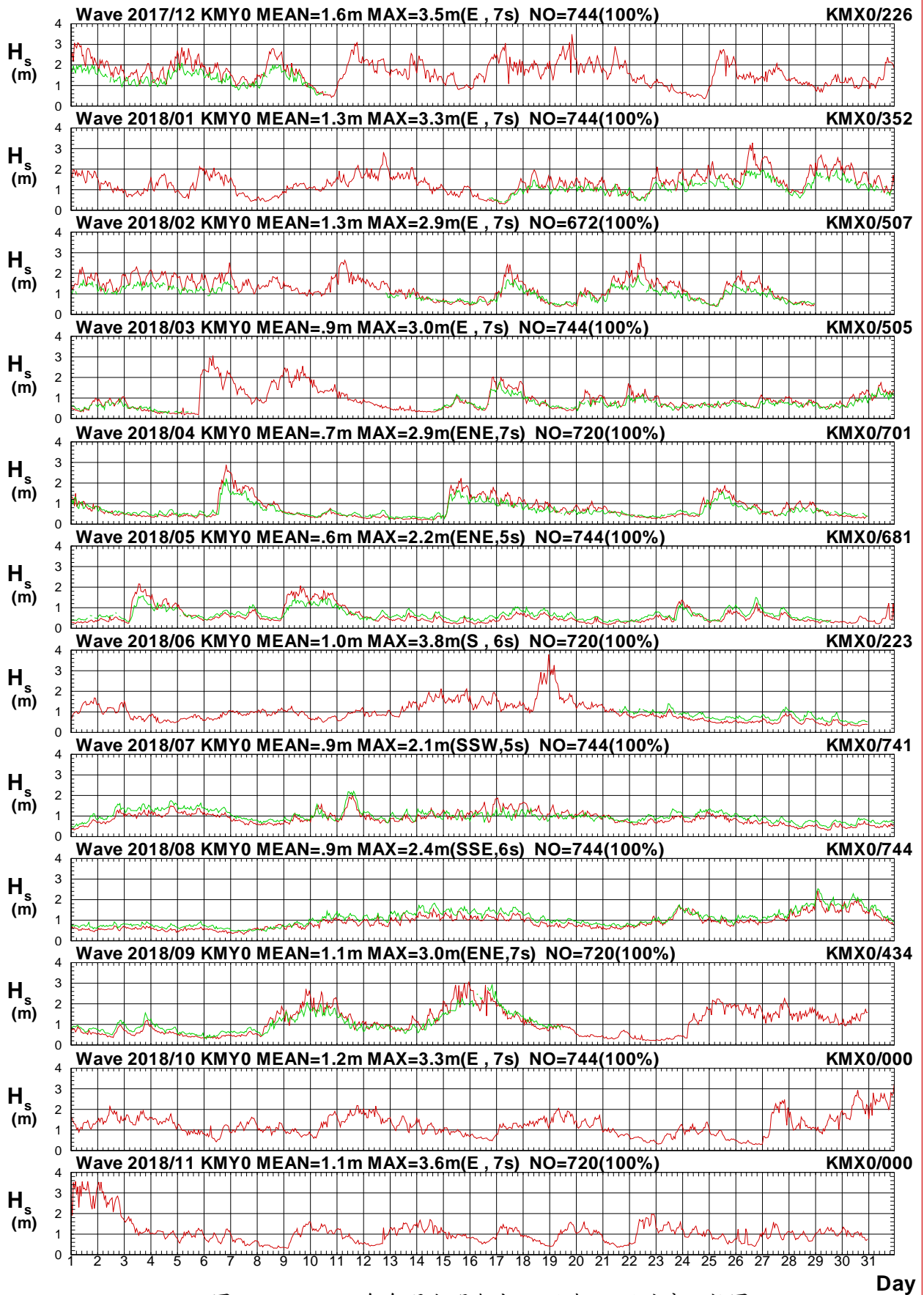


圖2.3.1a 2018年每月金門海域 Y 站與 X 站波高比較圖

V17CKMY0.1HA V17CKMX0.1H0 V181KMY0.1HA V181KMX0.1H0 V182KMY0.1HA V182KMX0.1H0
 V183KMY0.1HA V183KMX0.1H0 V184KMY0.1HA V184KMX0.1H0 V185KMY0.1HA V185KMX0.1H0

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Wave T_p in Kin-Men Harbor of KMY0 at 2018

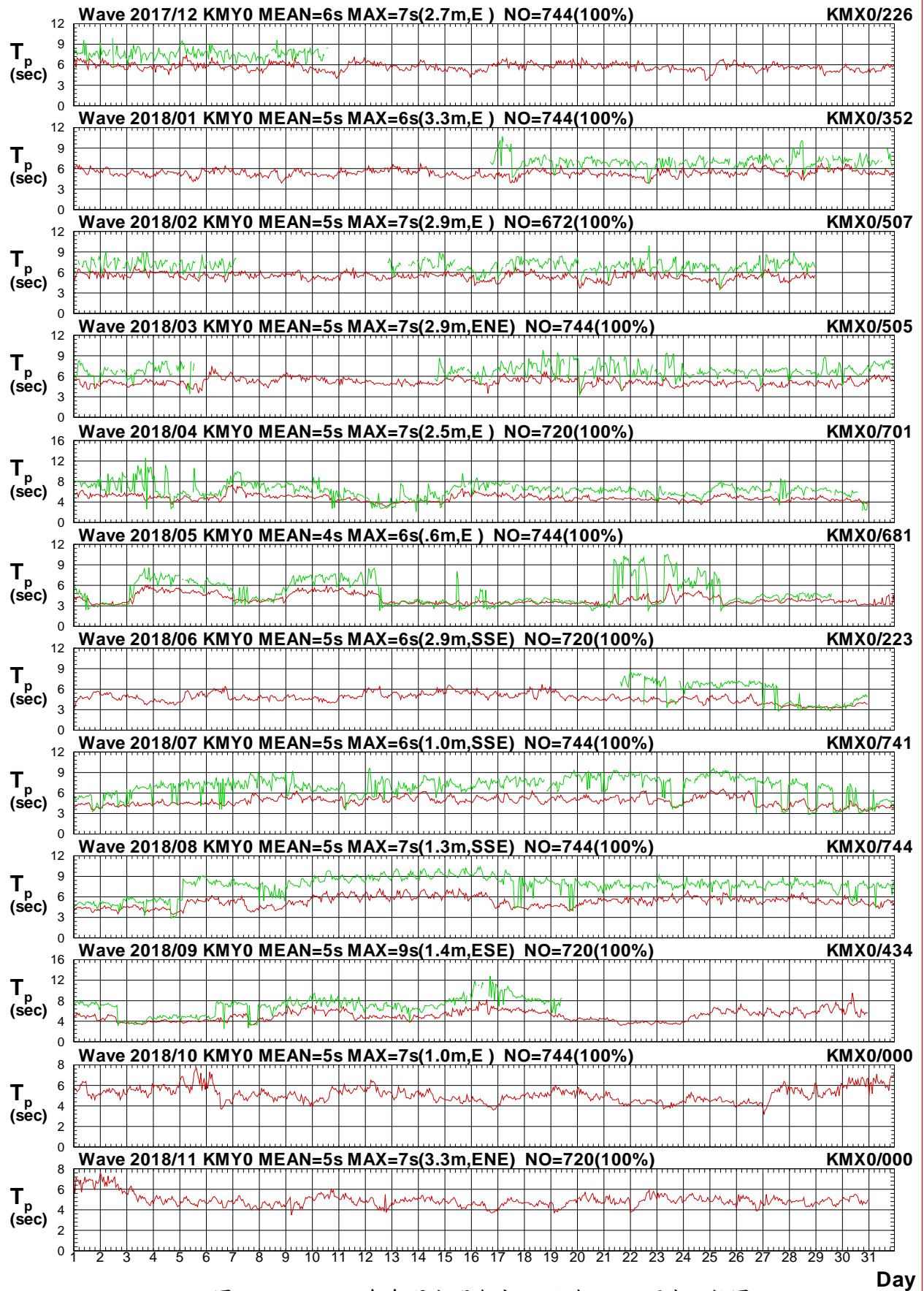


圖2.3.1b 2018年每月金門海域 Y 站與 X 站週期比較圖

V17CKMY0.1HA V17CKMX0.1H0 V181KMY0.1HA V181KMX0.1H0 V182KMY0.1HA V182KMX0.1H0
 V183KMY0.1HA V183KMX0.1H0 V184KMY0.1HA V184KMX0.1H0 V185KMY0.1HA V185KMX0.1H0

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Wave Direction in Kin-Men Harbor of KMY0 at 2018

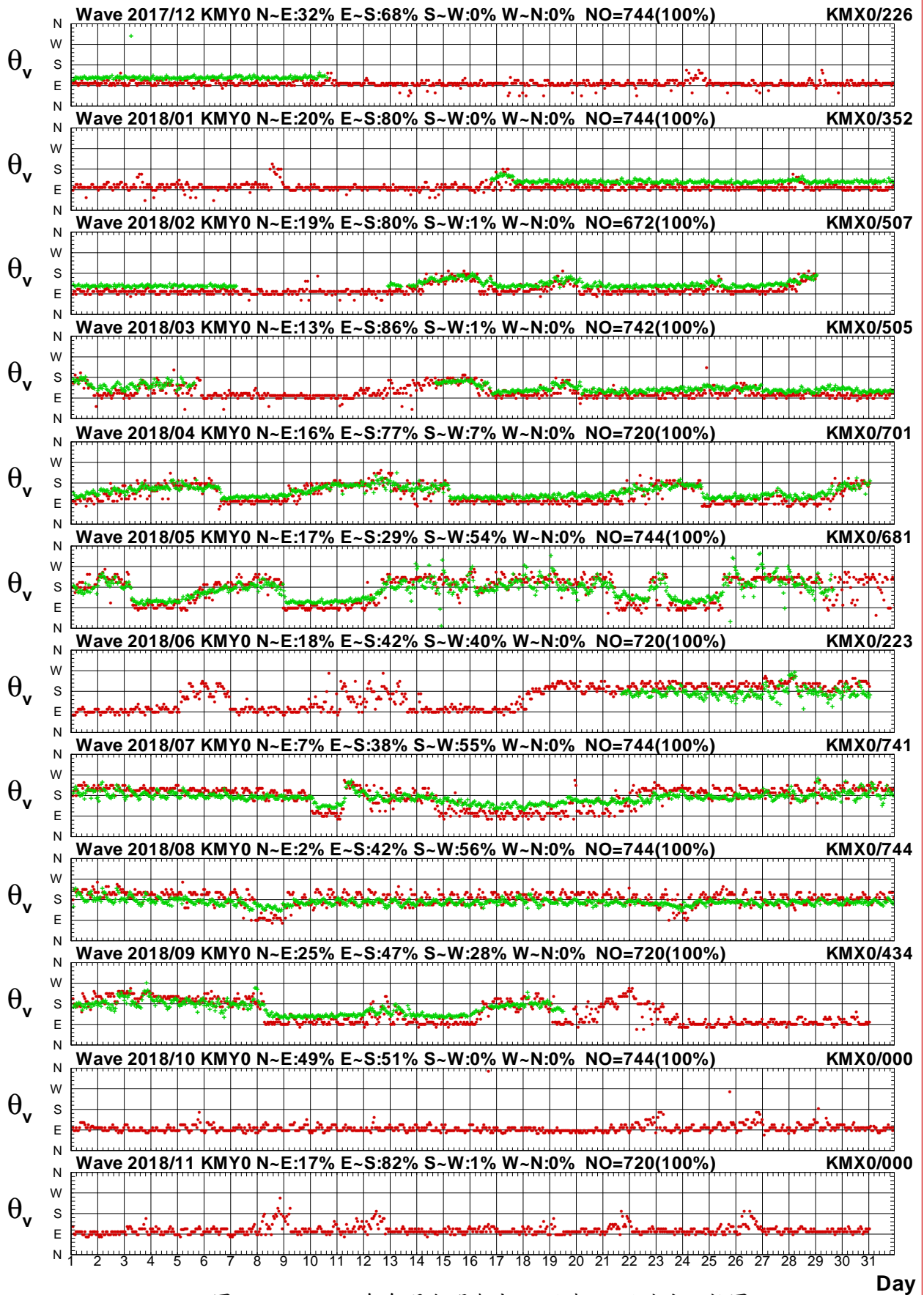


圖2.3.1c 2018年每月金門海域 Y 站與 X 站波向比較圖

V17CKMY0.1HA V17CKMX0.1H0 V181KMY0.1HA V181KMX0.1H0 V182KMY0.1HA V182KMX0.1H0
 V183KMY0.1HA V183KMX0.1H0 V184KMY0.1HA V184KMX0.1H0 V185KMY0.1HA V185KMX0.1H0

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Wave H_s in Kin-Men Harbor of KMY0 at 2018

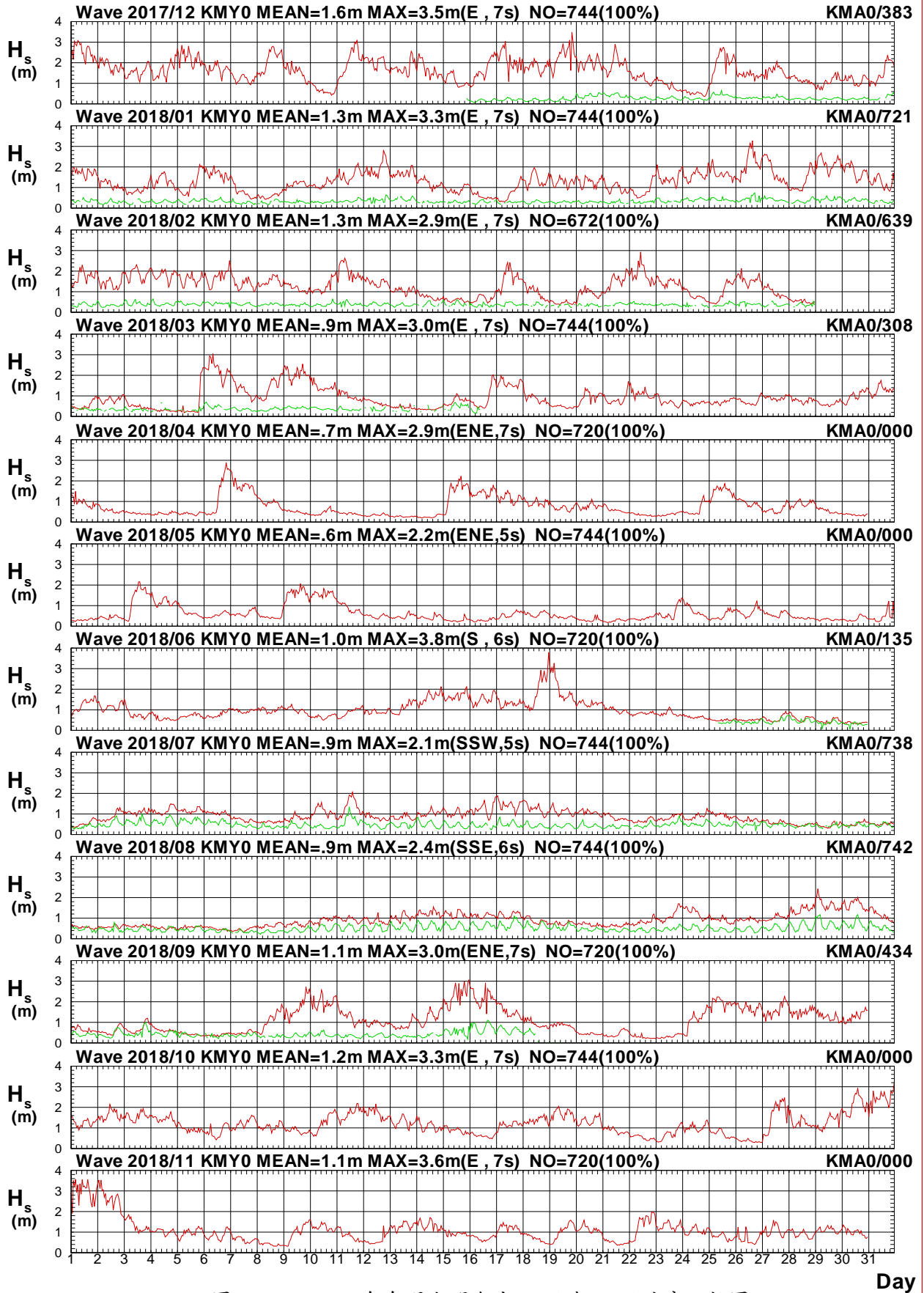


圖2.3.2a 2018年每月金門海域 Y 站與 A 站波高比較圖

V17CKMY0.1HA V17CKMA0.1H0 V181KMY0.1HA V181KMA0.1H0 V182KMY0.1HA V182KMA0.1H0
 V183KMY0.1HA V183KMA0.1H0 V184KMY0.1HA V184KMA0.1H0 V185KMY0.1HA V185KMA0.1H0

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Wave T_p in Kin-Men Harbor of KMYO at 2018

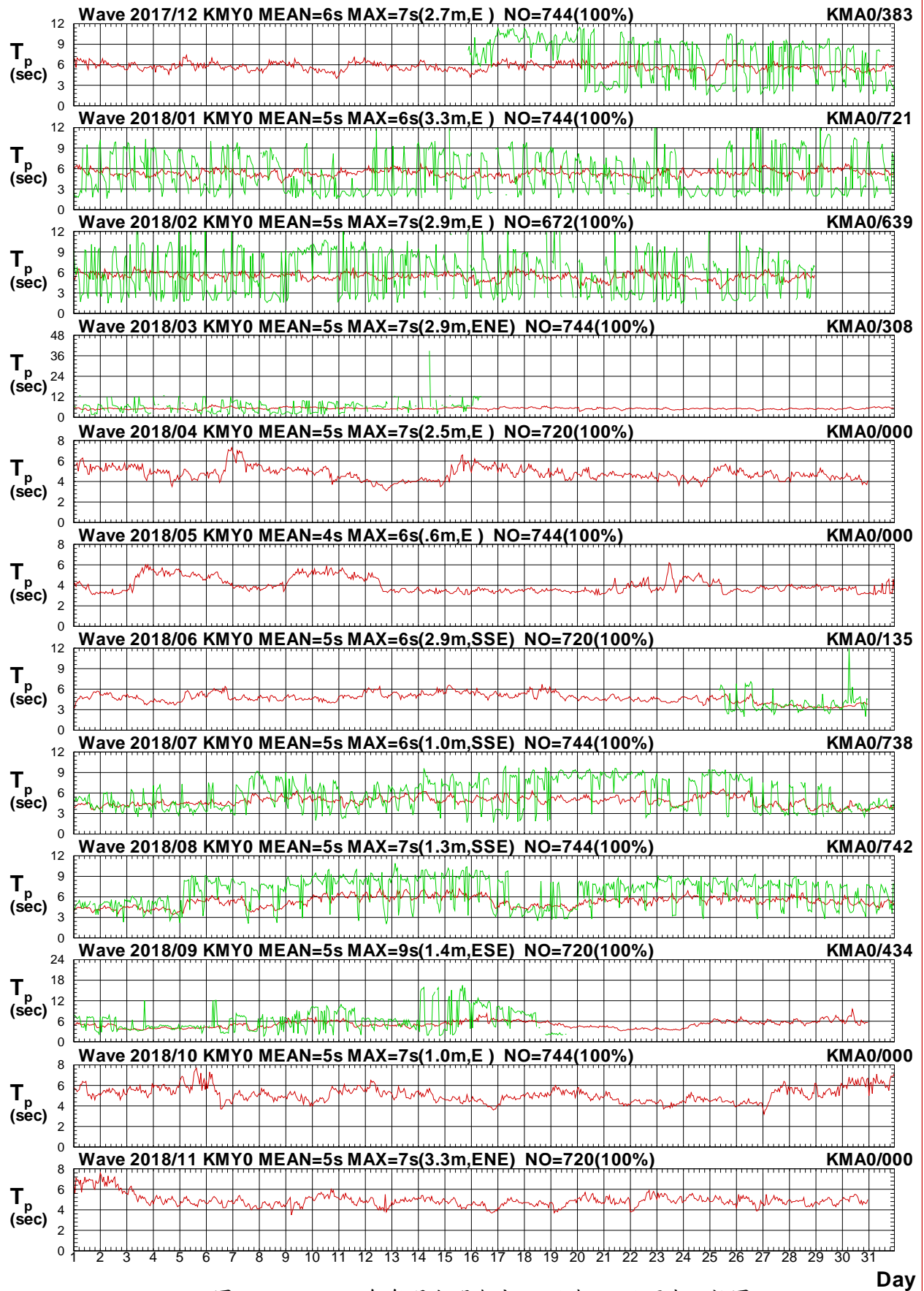


圖2.3.2b 2018年每月金門海域 Y 站與 A 站週期比較圖

V17CKMY0.1HA V17CKMA0.1H0 V181KMY0.1HA V181KMA0.1H0 V182KMY0.1HA V182KMA0.1H0
 V183KMY0.1HA V183KMA0.1H0 V184KMY0.1HA V184KMA0.1H0 V185KMY0.1HA V185KMA0.1H0

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Wave Direction in Kin-Men Harbor of KMY0 at 2018

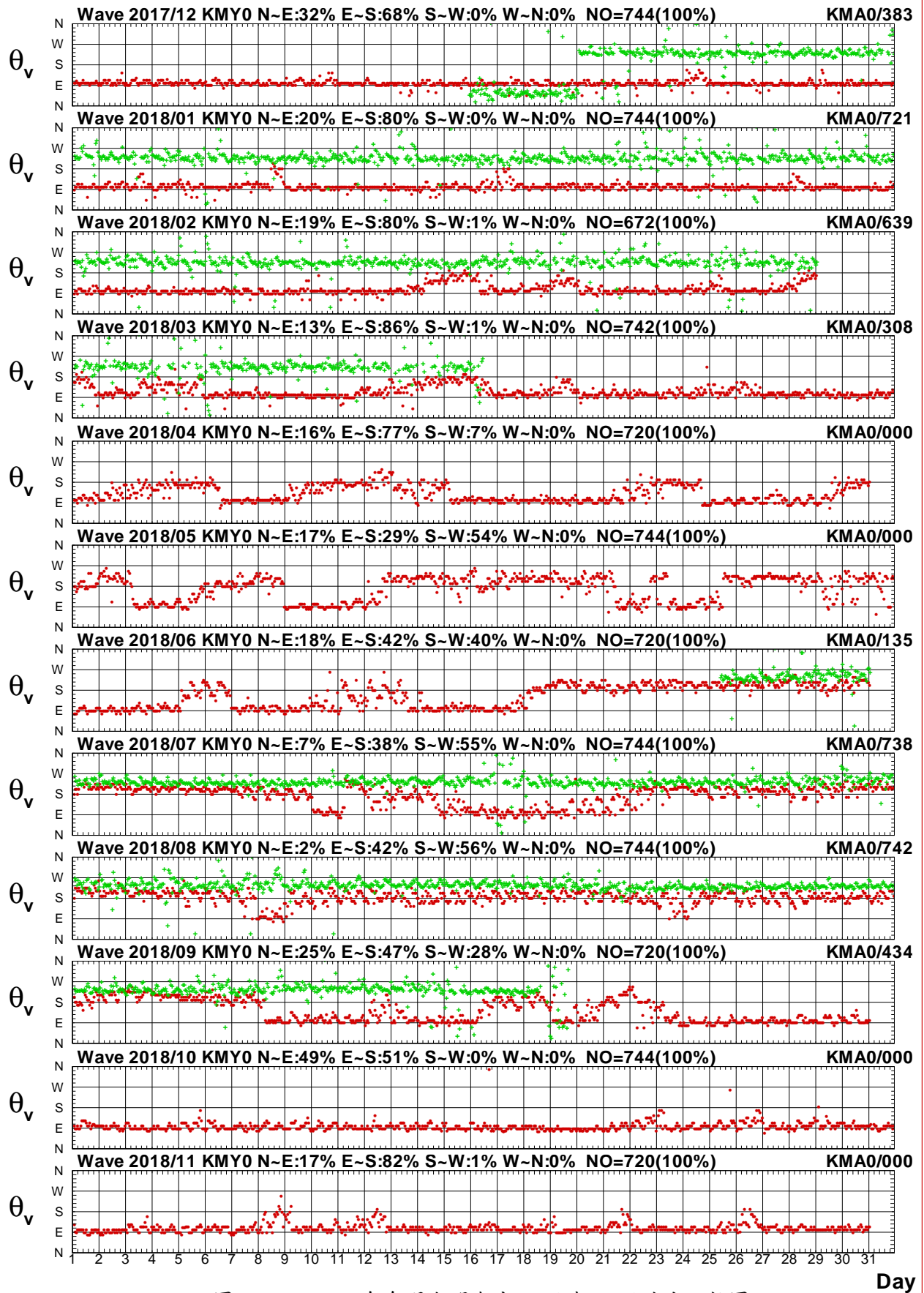


圖2.3.2c 2018年每月金門海域 Y 站與 A 站波向比較圖

V17CKMY0.1HA V17CKMA0.1H0 V181KMY0.1HA V181KMA0.1H0 V182KMY0.1HA V182KMA0.1H0
 V183KMY0.1HA V183KMA0.1H0 V184KMY0.1HA V184KMA0.1H0 V185KMY0.1HA V185KMA0.1H0

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Wave H_s in Kin-Men Harbor of KMY0 at 2018

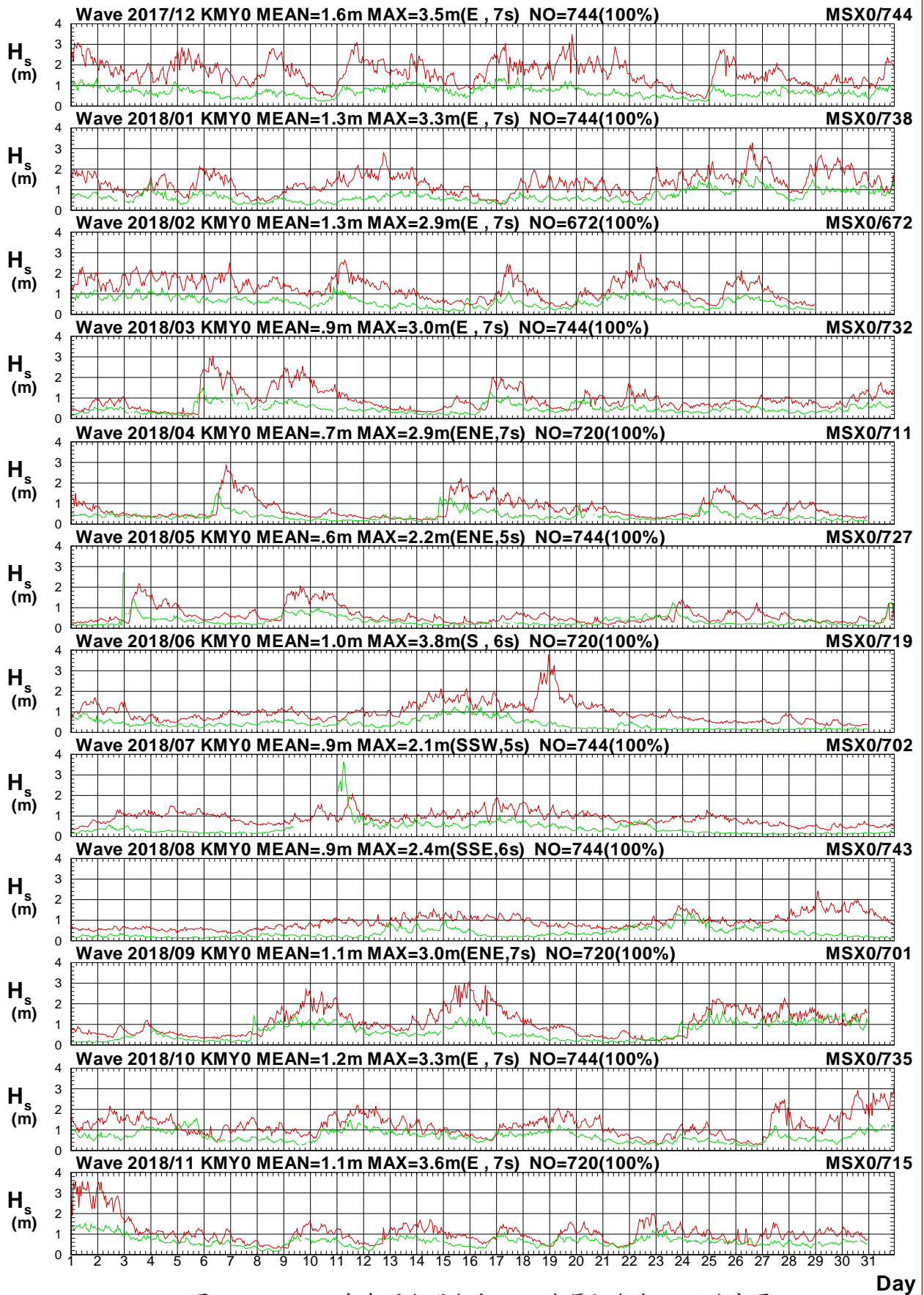


圖2.3.3a 2018年每月金門海域 Y 站與馬祖海域 X 站波高圖

V17CKMY0.1HA V17CMSX0.1H0 V181KMY0.1HA V181MSX0.1H0 V182KMY0.1HA V182MSX0.1H0
 V183KMY0.1HA V183MSX0.1H0 V184KMY0.1HA V184MSX0.1H0 V185KMY0.1HA V185MSX0.1H0

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Wave T_p in Kin-Men Harbor of KMY0 at 2018

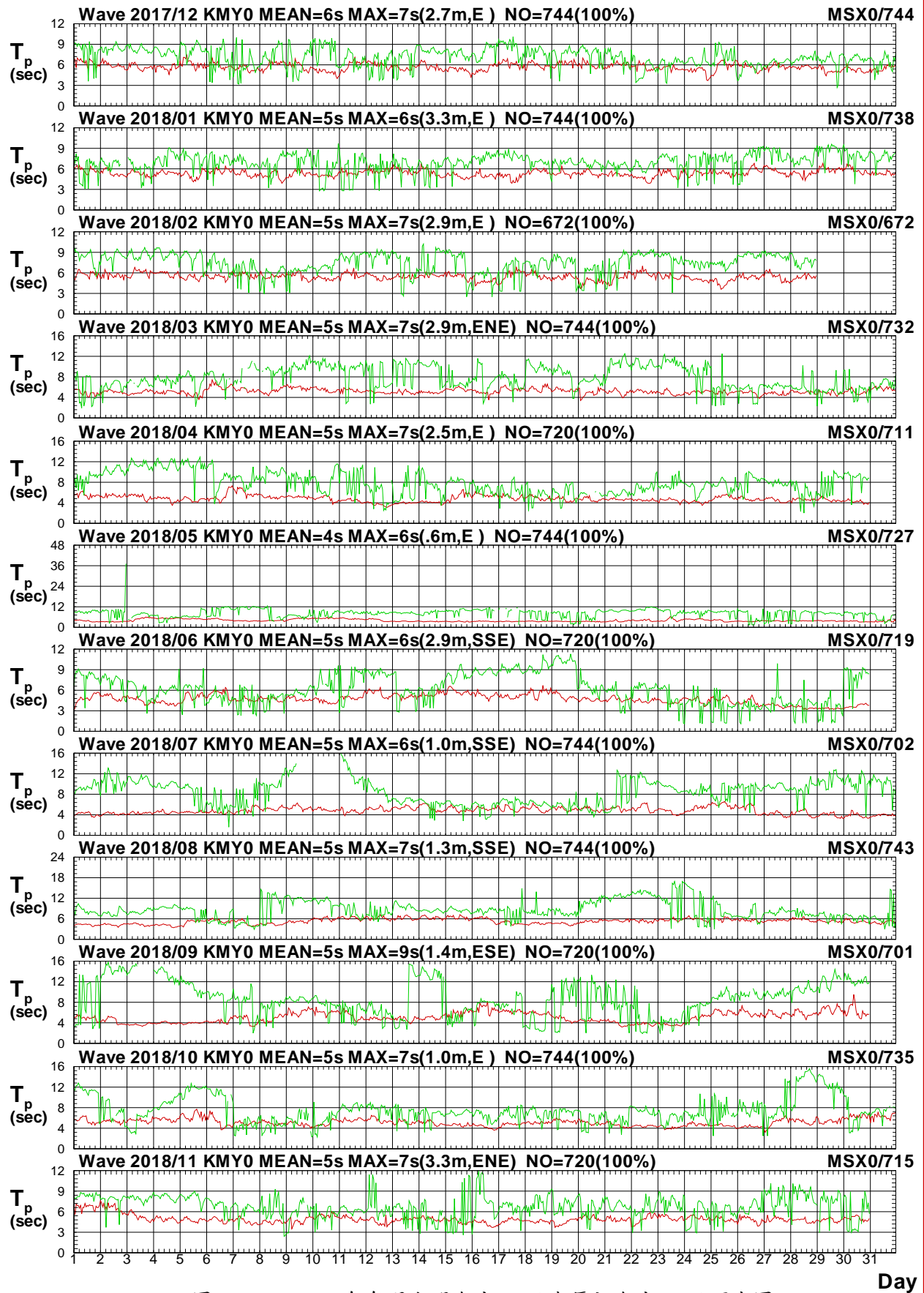


圖2.3.3b 2018年每月金門海域 Y 站與馬祖海域 X 站週期圖

V17CKMY0.1HA V17CMSX0.1H0 V181KMY0.1HA V181MSX0.1H0 V182KMY0.1HA V182MSX0.1H0
 V183KMY0.1HA V183MSX0.1H0 V184KMY0.1HA V184MSX0.1H0 V185KMY0.1HA V185MSX0.1H0

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Wave Direction in Kin-Men Harbor of KMY0 at 2018

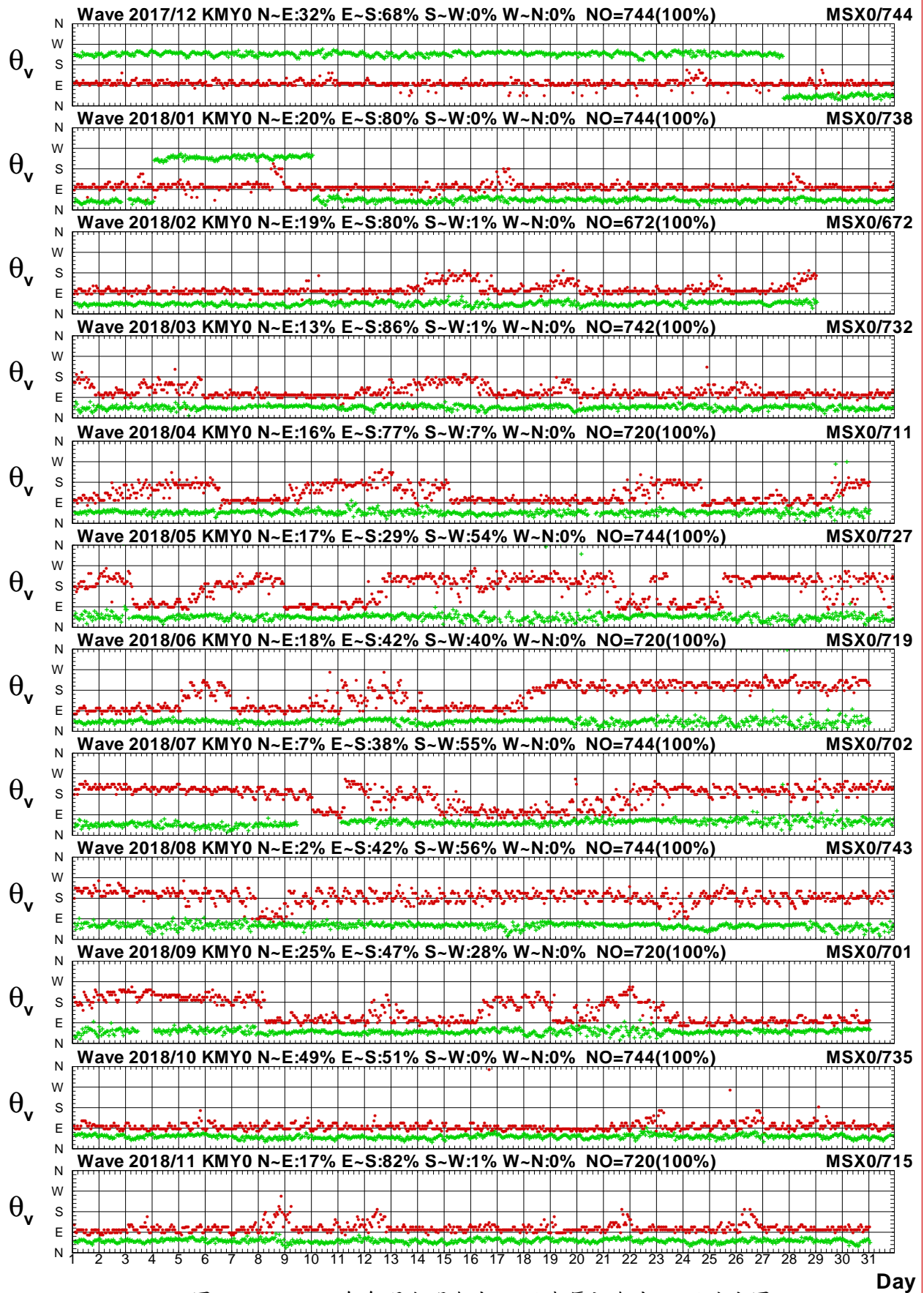


圖2.3.3c 2018年每月金門海域 Y 站與馬祖海域 X 站波向圖

V17CKMY0.1HA V17CMSX0.1H0 V181KMY0.1HA V181MSX0.1H0 V182KMY0.1HA V182MSX0.1H0
 V183KMY0.1HA V183MSX0.1H0 V184KMY0.1HA V184MSX0.1H0 V185KMY0.1HA V185MSX0.1H0

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Wave H_s in Kin-Men Harbor of KMY0 at 2018

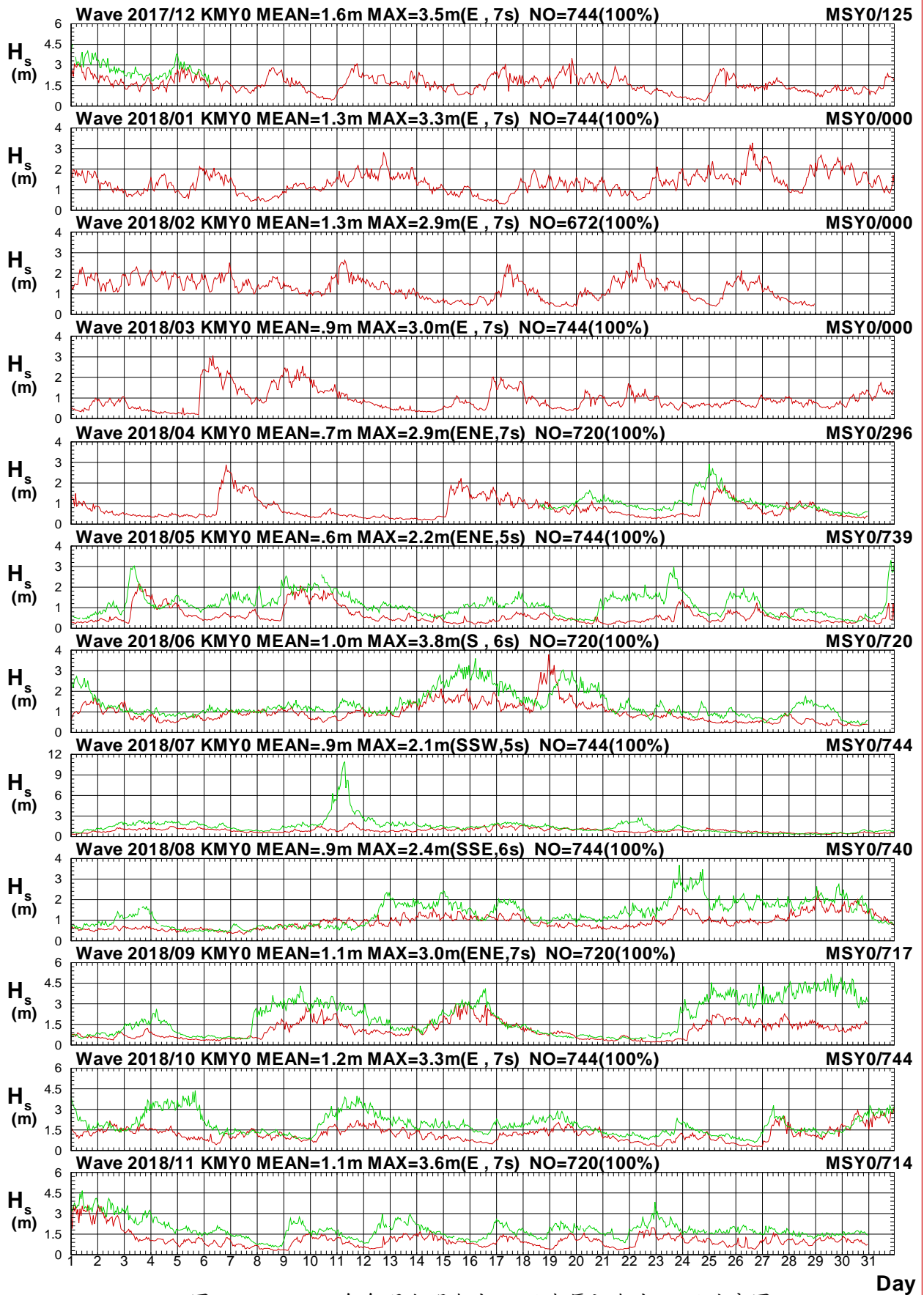


圖2.3.4a 2018年每月金門海域 Y 站與馬祖海域 Y 站波高圖

V17CKMY0.1HA V17CMSY0.1H0 V181KMY0.1HA V181MSY0.1H0 V182KMY0.1HA V182MSY0.1H0
 V183KMY0.1HA V183MSY0.1H0 V184KMY0.1HA V184MSY0.1H0 V185KMY0.1HA V185MSY0.1H0

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Wave T_p in Kin-Men Harbor of KMY0 at 2018

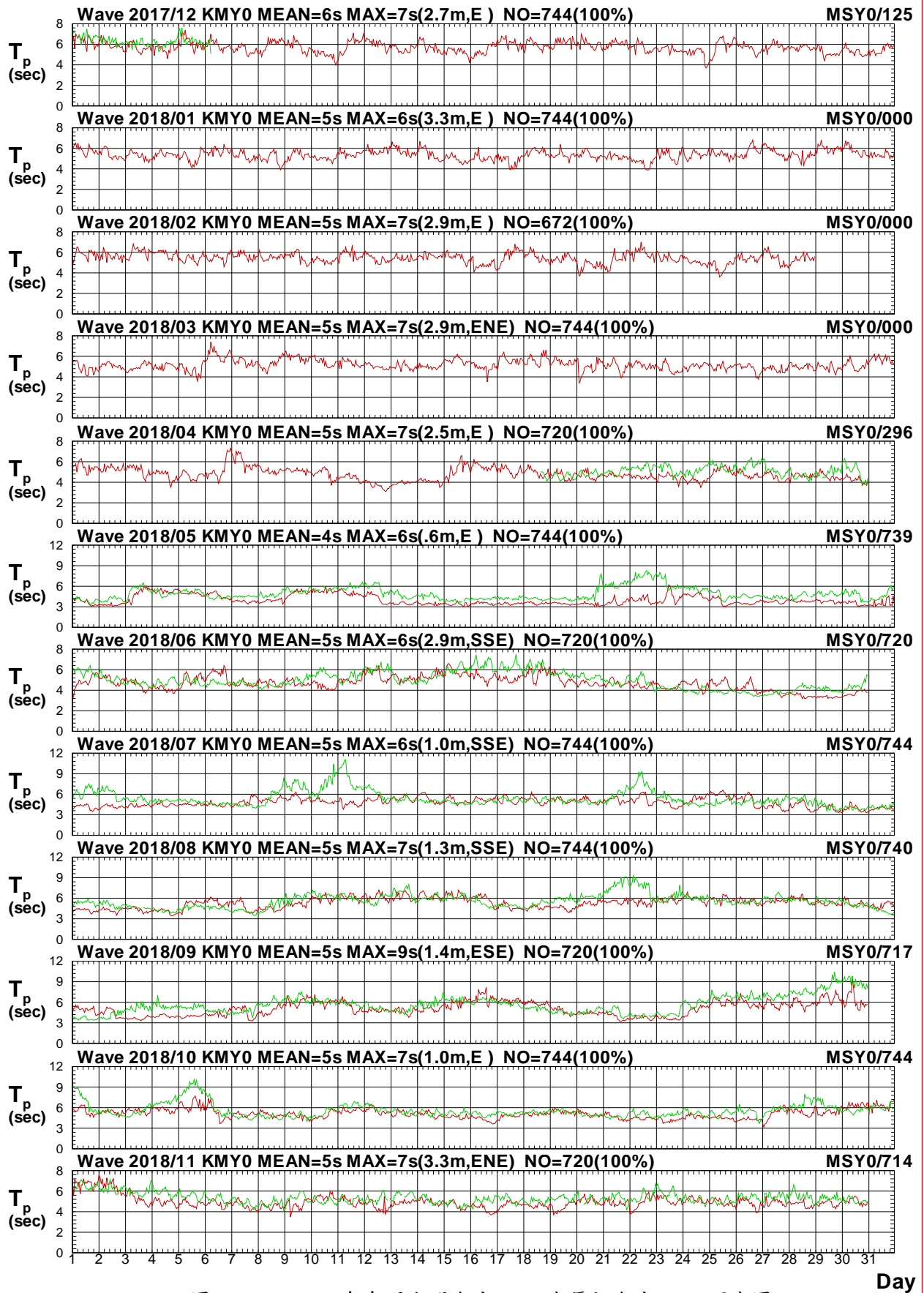


圖2.3.4b 2018年每月金門海域 Y 站與馬祖海域 Y 站週期圖

V17CKMY0.1HA V17CMSY0.1H0 V181KMY0.1HA V181MSY0.1H0 V182KMY0.1HA V182MSY0.1H0
 V183KMY0.1HA V183MSY0.1H0 V184KMY0.1HA V184MSY0.1H0 V185KMY0.1HA V185MSY0.1H0

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Wave Direction in Kin-Men Harbor of KMY0 at 2018

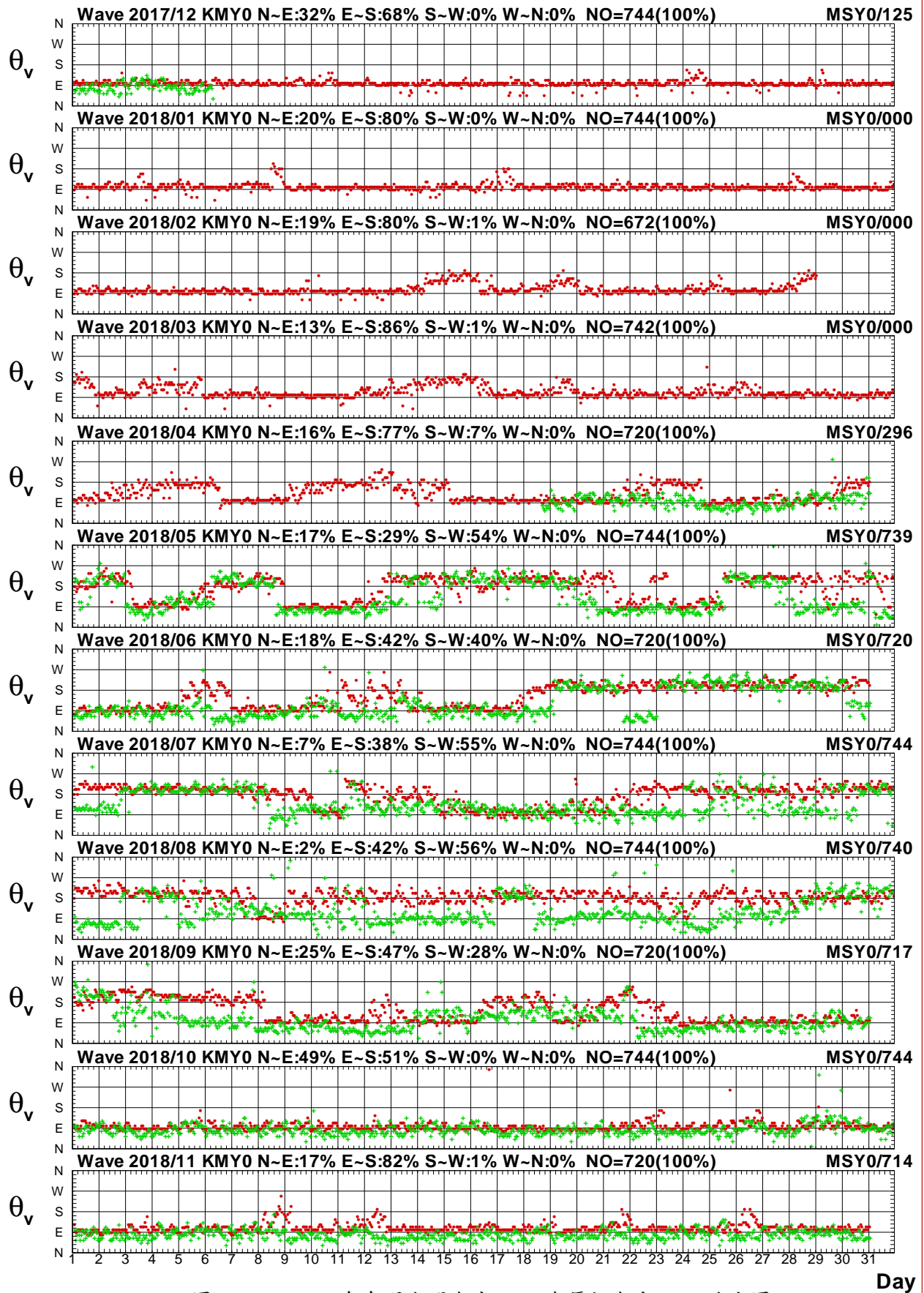


圖2.3.4c 2018年每月金門海域 Y 站與馬祖海域 Y 站波向圖

V17CKMY0.1HA V17CMSY0.1H0 V181KMY0.1HA V181MSY0.1H0 V182KMY0.1HA V182MSY0.1H0
 V183KMY0.1HA V183MSY0.1H0 V184KMY0.1HA V184MSY0.1H0 V185KMY0.1HA V185MSY0.1H0

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Wave H_s in Kin-Men Harbor of KMY0 at 2018

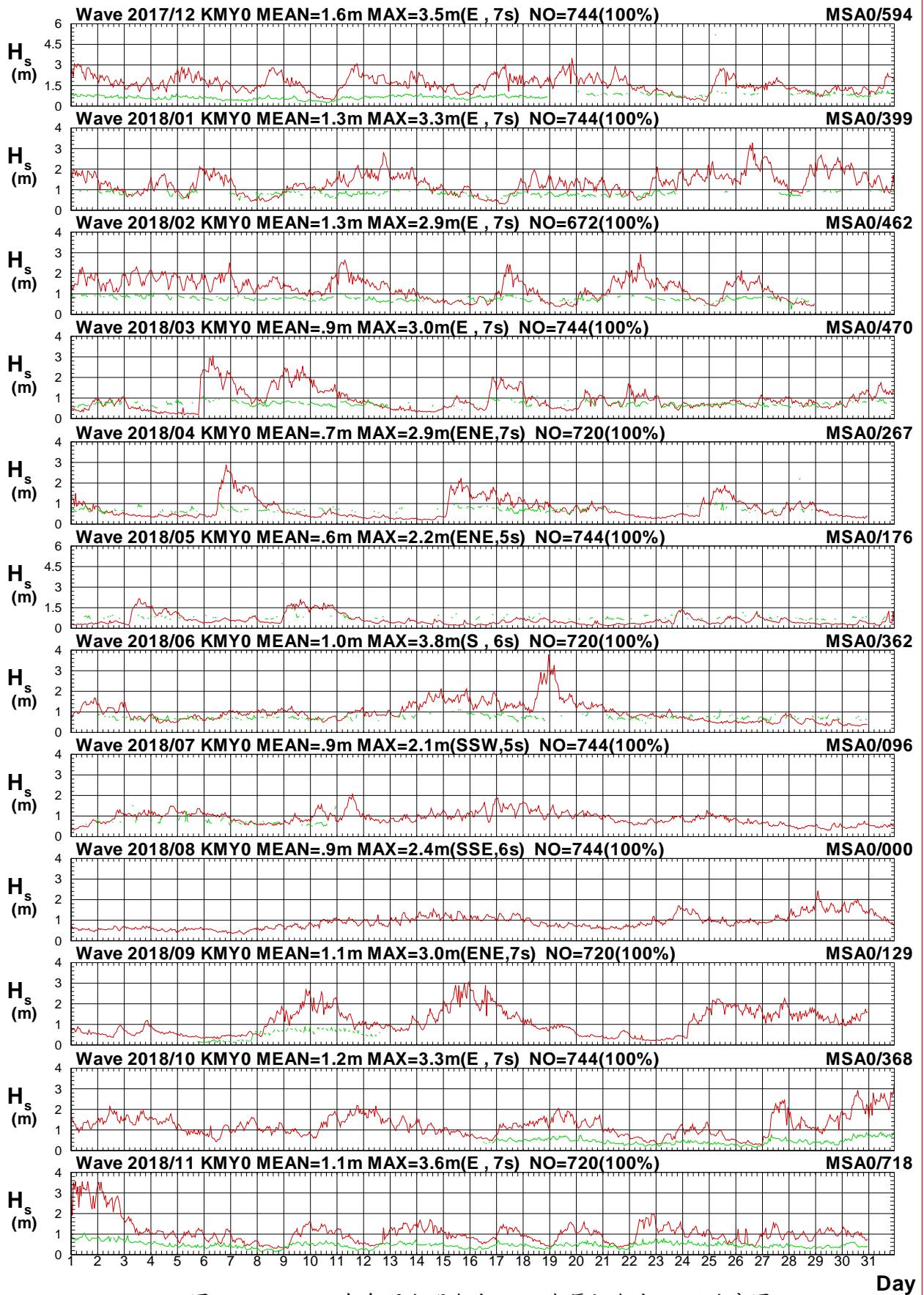


圖2.3.5a 2018年每月金門海域 Y 站與馬祖海域 A 站波高圖

V17CKMY0.1HA V17CMSA0.1H0 V181KMY0.1HA V181MSA0.1H0 V182KMY0.1HA V182MSA0.1H0
 V183KMY0.1HA V183MSA0.1H0 V184KMY0.1HA V184MSA0.1H0 V185KMY0.1HA V185MSA0.1H0

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Wave T_p in Kin-Men Harbor of KMY0 at 2018

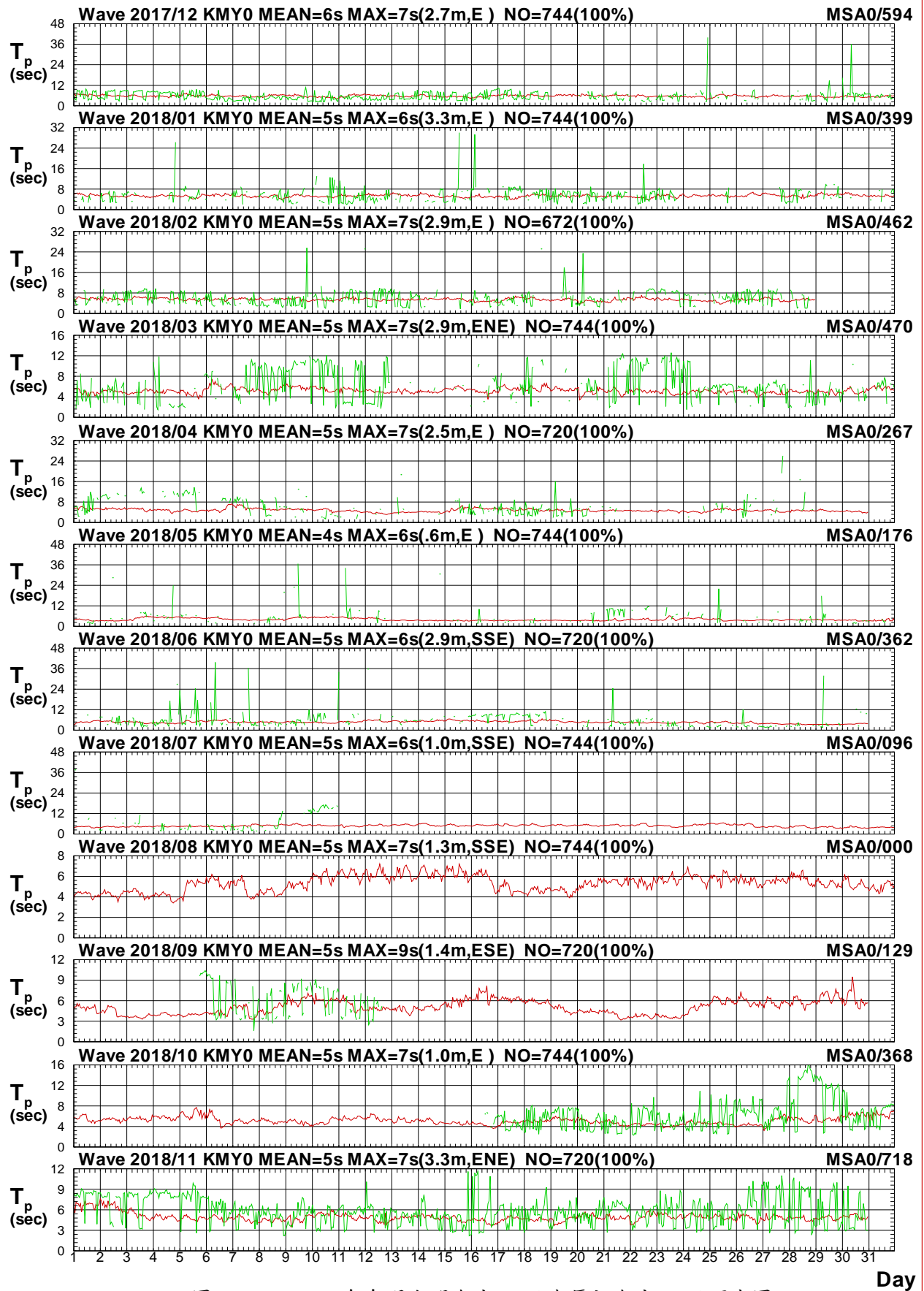


圖2.3.5b 2018年每月金門海域 Y 站與馬祖海域 A 站週期圖

V17CKMY0.1HA V17CMSA0.1H0 V181KMY0.1HA V181MSA0.1H0 V182KMY0.1HA V182MSA0.1H0
 V183KMY0.1HA V183MSA0.1H0 V184KMY0.1HA V184MSA0.1H0 V185KMY0.1HA V185MSA0.1H0

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Wave Direction in Kin-Men Harbor of KMY0 at 2018

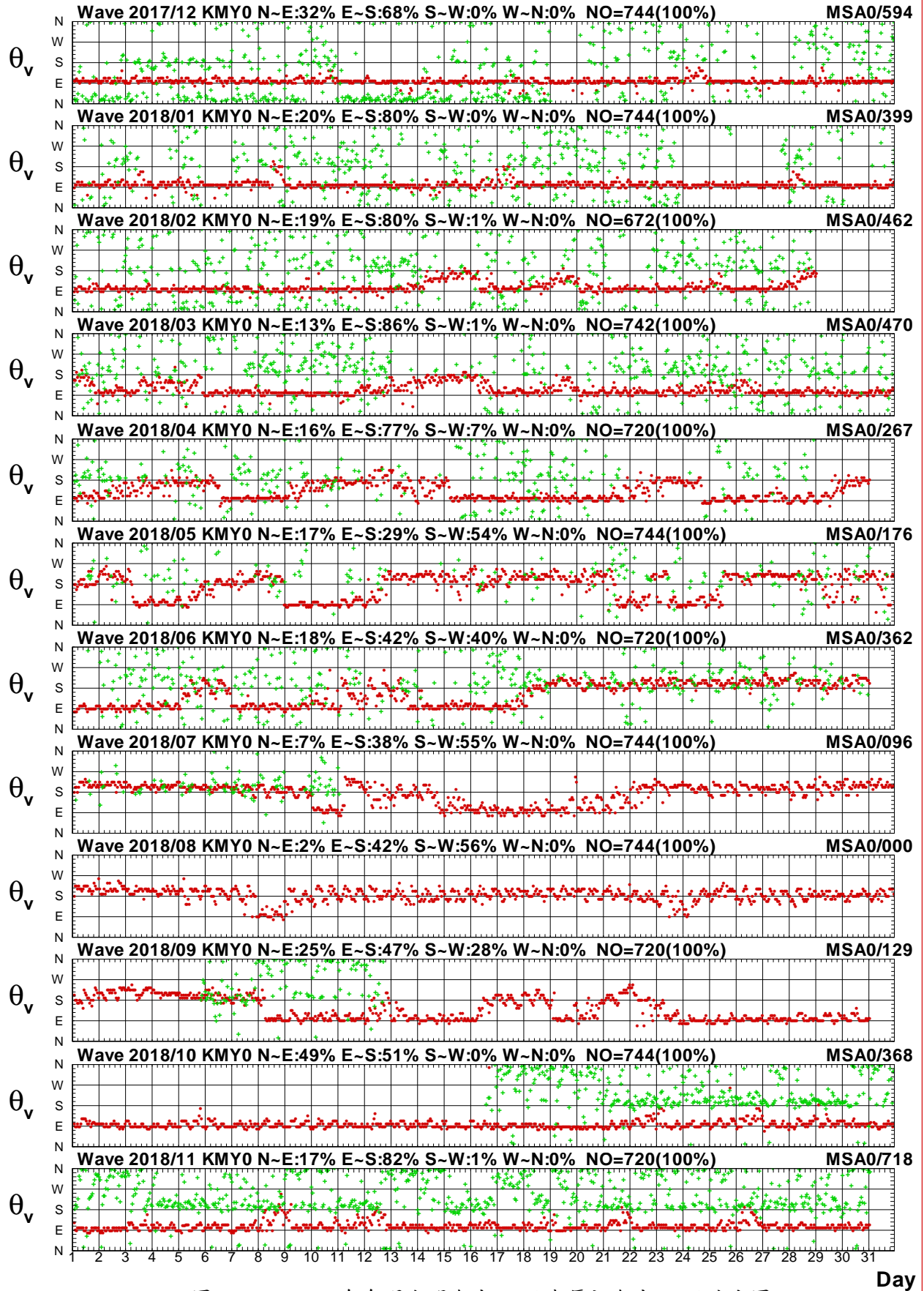


圖2.3.5c 2018年每月金門海域 Y 站與馬祖海域 A 站波向圖

V17CKMY0.1HA V17CMSA0.1H0 V181KMY0.1HA V181MSA0.1H0 V182KMY0.1HA V182MSA0.1H0
 V183KMY0.1HA V183MSA0.1H0 V184KMY0.1HA V184MSA0.1H0 V185KMY0.1HA V185MSA0.1H0

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Wave H_s in Kin-Men Harbor of KMY0 at 2018

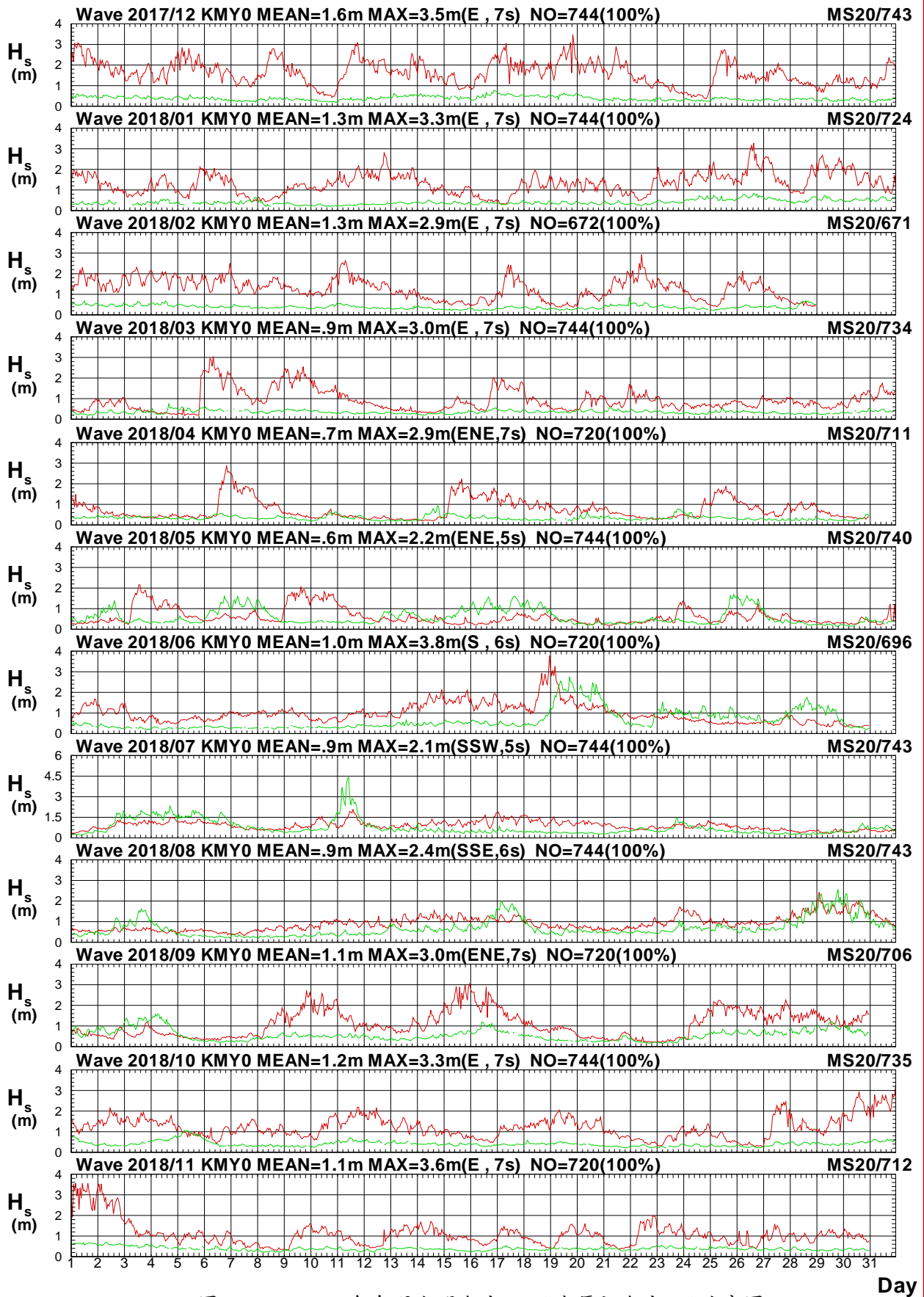


圖 2.3.6a 2018 年每月金門海域 Y 站與馬祖海域 2 站波高圖

V17CKMY0.1HA V17CMS20.1H0 V181KMY0.1HA V181MS20.1H0 V182KMY0.1HA V182MS20.1H0
V183KMY0.1HA V183MS20.1H0 V184KMY0.1HA V184MS20.1H0 V185KMY0.1HA V185MS20.1H0

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Wave T_p in Kin-Men Harbor of KMY0 at 2018

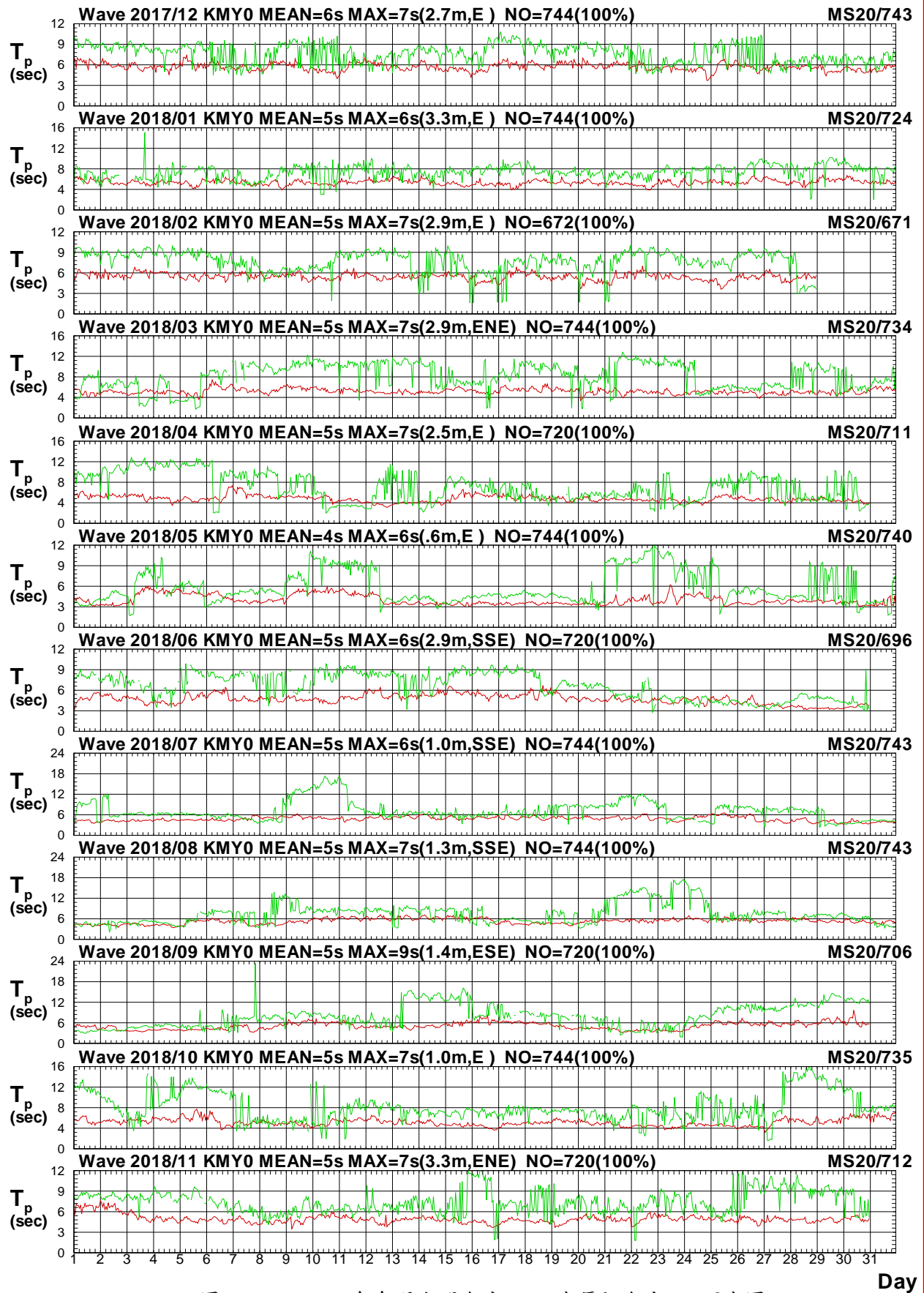


圖 2.3.6b 2018年每月金門海域 Y 站與馬祖海域 2 站週期圖

V17CKMY0.1HA V17CMS20.1H0 V181KMY0.1HA V181MS20.1H0 V182KMY0.1HA V182MS20.1H0
 V183KMY0.1HA V183MS20.1H0 V184KMY0.1HA V184MS20.1H0 V185KMY0.1HA V185MS20.1H0

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Wave Direction in Kin-Men Harbor of KMY0 at 2018

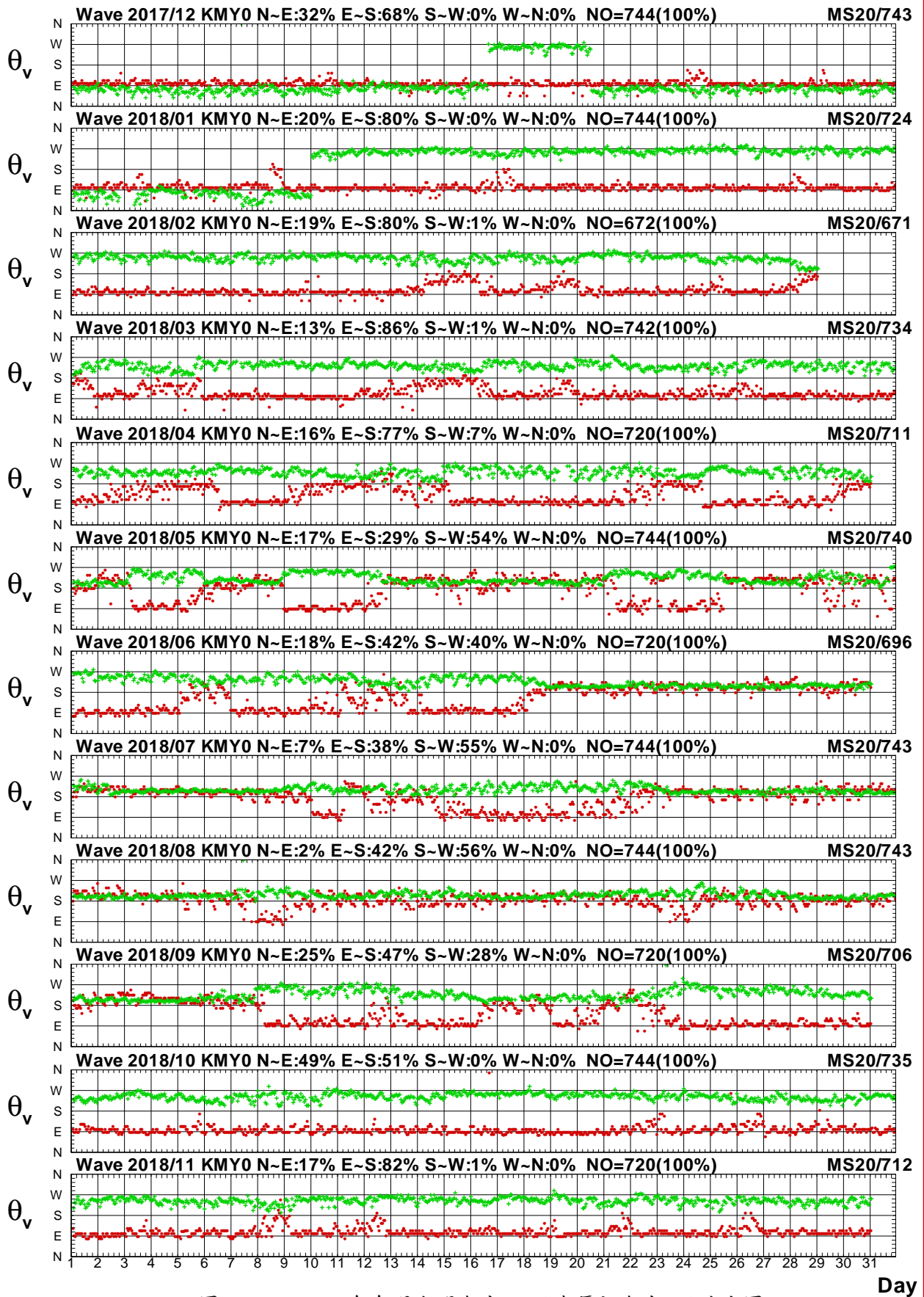


圖2.3.6c 2018年每月金門海域 Y 站與馬祖海域2站波向圖

V17CKMY0.1HA V17CMS20.1H0 V181KMY0.1HA V181MS20.1H0 V182KMY0.1HA V182MS20.1H0
 V183KMY0.1HA V183MS20.1H0 V184KMY0.1HA V184MS20.1H0 V185KMY0.1HA V185MS20.1H0

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Wave H_s in Kin-Men Harbor of KMY0 at 2018

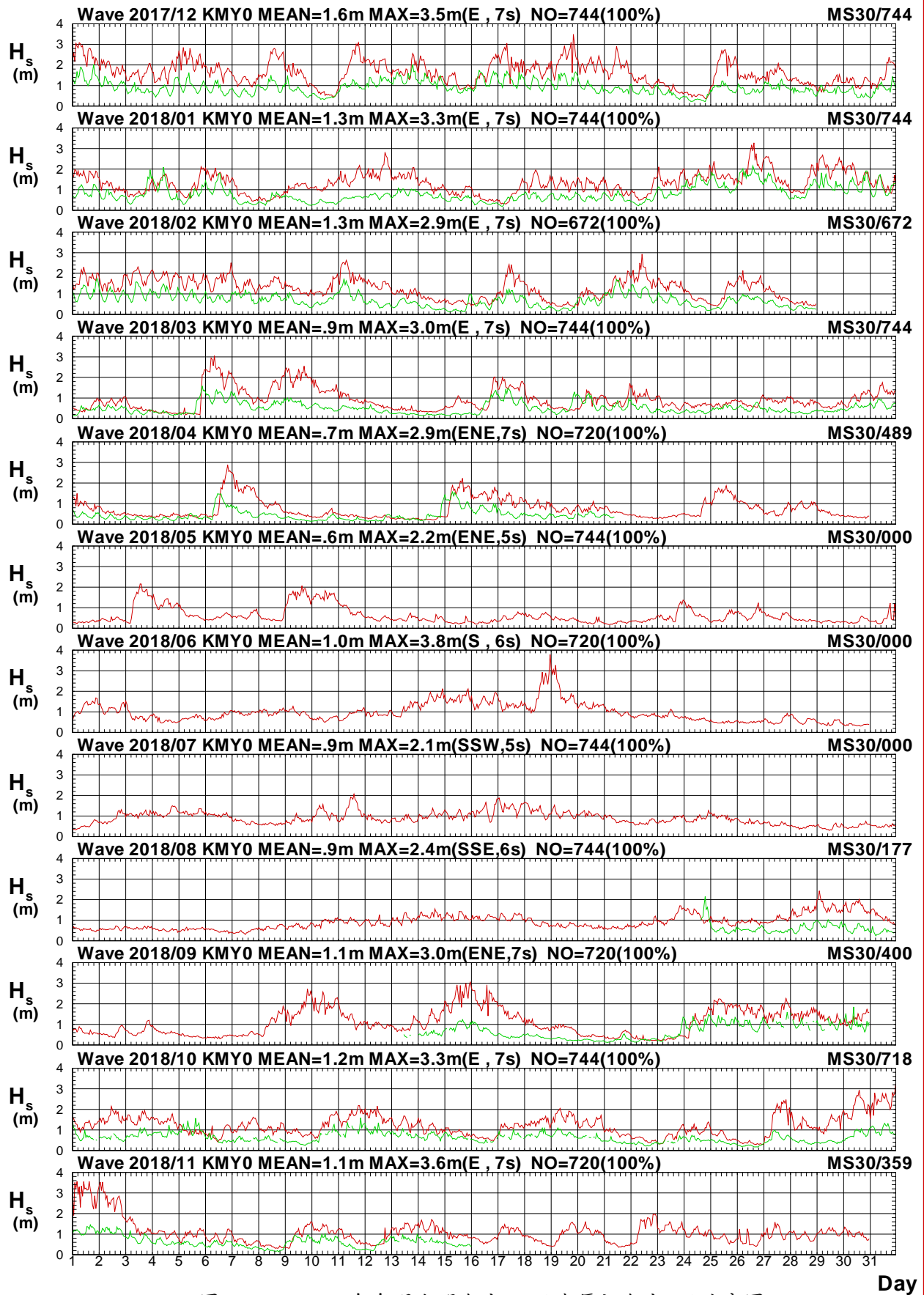


圖 2.3.7a 2018年每月金門海域 Y 站與馬祖海域 3 站波高圖

V17CKMY0.1HA V17CMS30.1H0 V181KMY0.1HA V181MS30.1H0 V182KMY0.1HA V182MS30.1H0
 V183KMY0.1HA V183MS30.1H0 V184KMY0.1HA V184MS30.1H0 V185KMY0.1HA V185MS30.1H0

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Wave T_p in Kin-Men Harbor of KMY0 at 2018

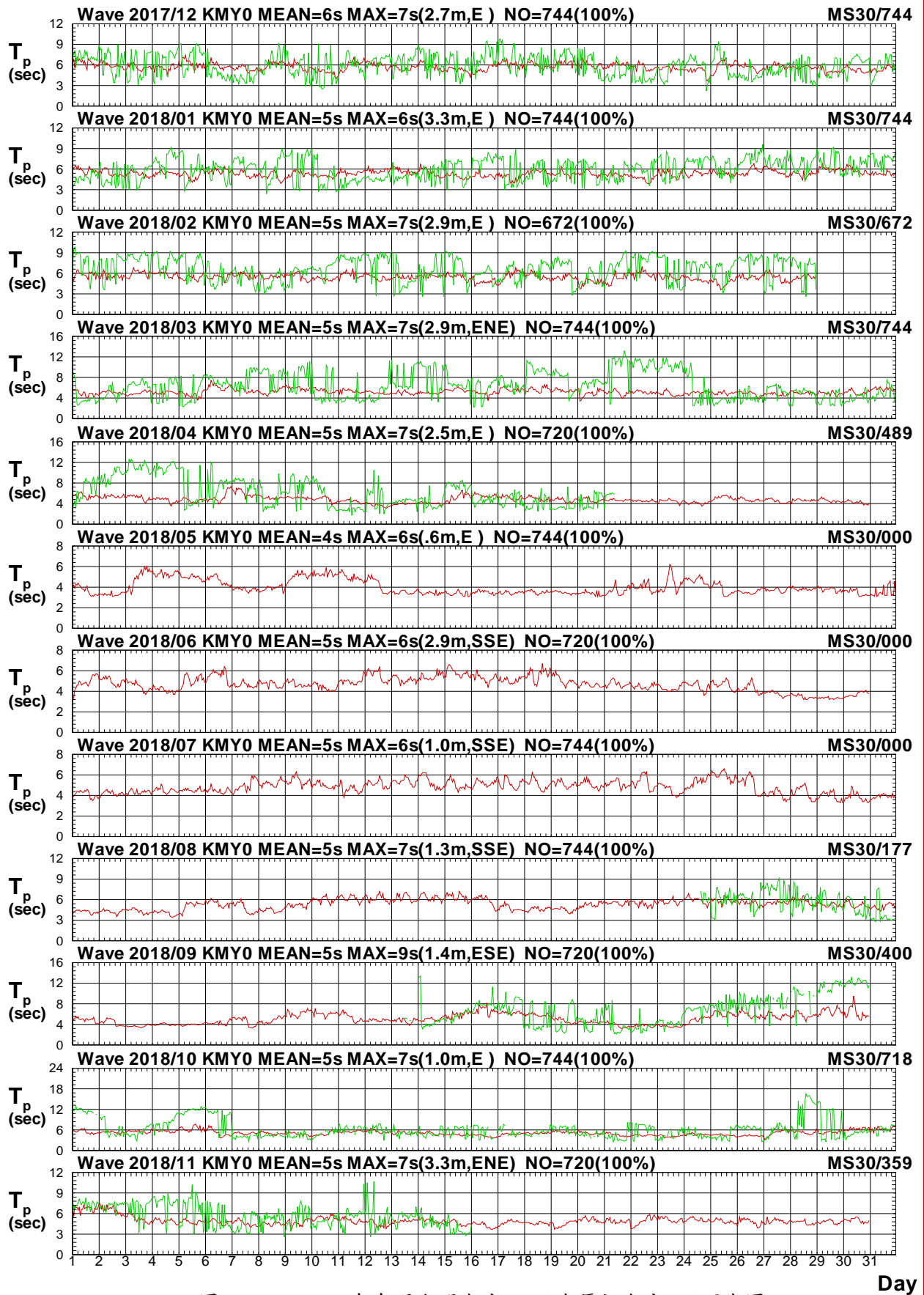


圖2.3.7b 2018年每月金門海域 Y 站與馬祖海域3站週期圖

V17CKMY0.1HA V17CMS30.1H0 V181KMY0.1HA V181MS30.1H0 V182KMY0.1HA V182MS30.1H0
 V183KMY0.1HA V183MS30.1H0 V184KMY0.1HA V184MS30.1H0 V185KMY0.1HA V185MS30.1H0

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Wave Direction in Kin-Men Harbor of KMY0 at 2018

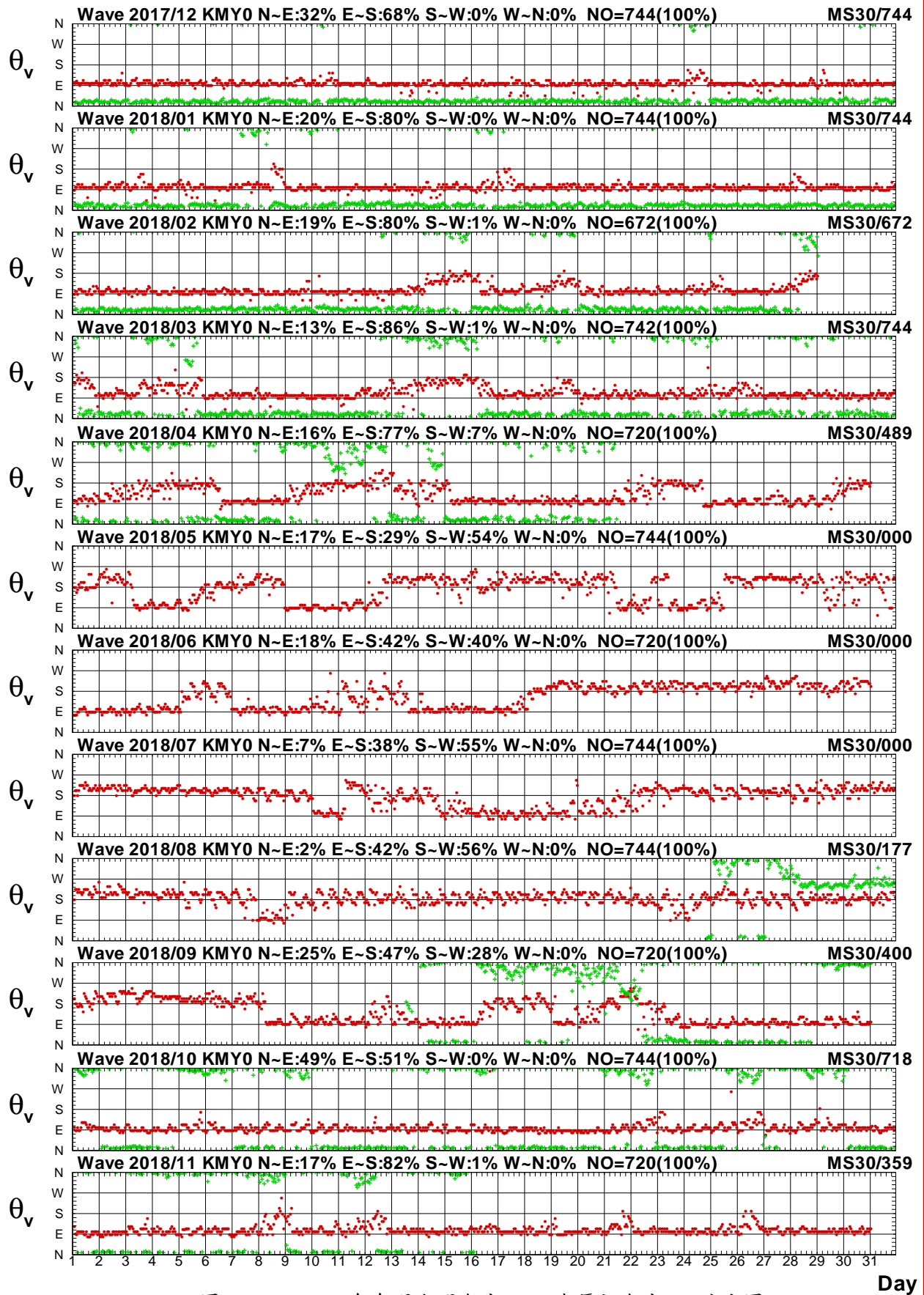


圖2.3.7c 2018年每月金門海域 Y 站與馬祖海域3站波向圖

V17CKMY0.1HA V17CMS30.1H0 V181KMY0.1HA V181MS30.1H0 V182KMY0.1HA V182MS30.1H0
 V183KMY0.1HA V183MS30.1H0 V184KMY0.1HA V184MS30.1H0 V185KMY0.1HA V185MS30.1H0

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Wave H_s in Kin-Men Harbor of KMY0 at 2018

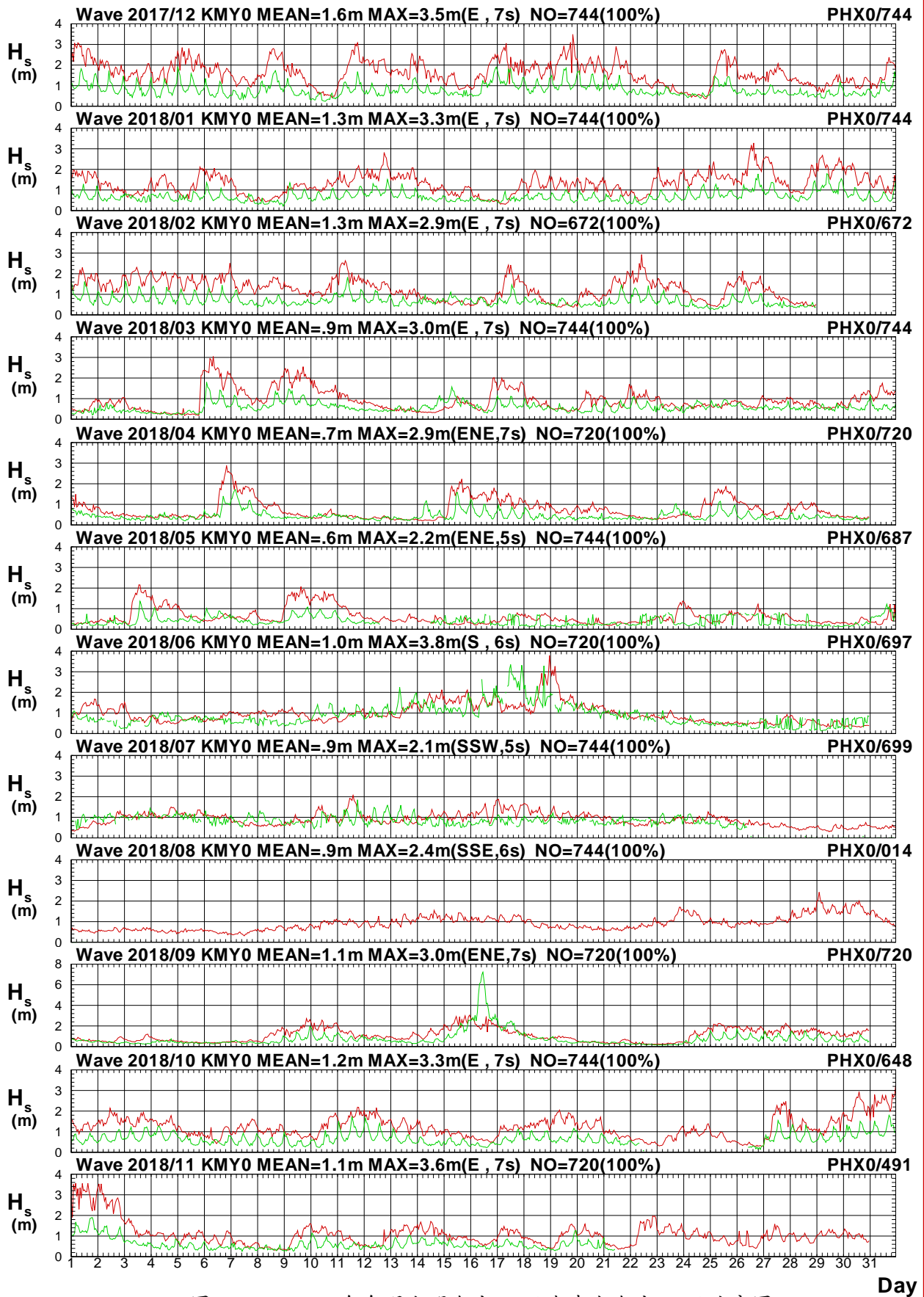


圖2.3.8a 2018年每月金門海域 Y 站與澎湖海域 X 站波高圖

V17CKMY0.1HA V17CPHX0.1H0 V181KMY0.1HA V181PHX0.1H0 V182KMY0.1HA V182PHX0.1H0
 V183KMY0.1HA V183PHX0.1H0 V184KMY0.1HA V184PHX0.1H0 V185KMY0.1HA V185PHX0.1H0

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Wave T_p in Kin-Men Harbor of KMY0 at 2018

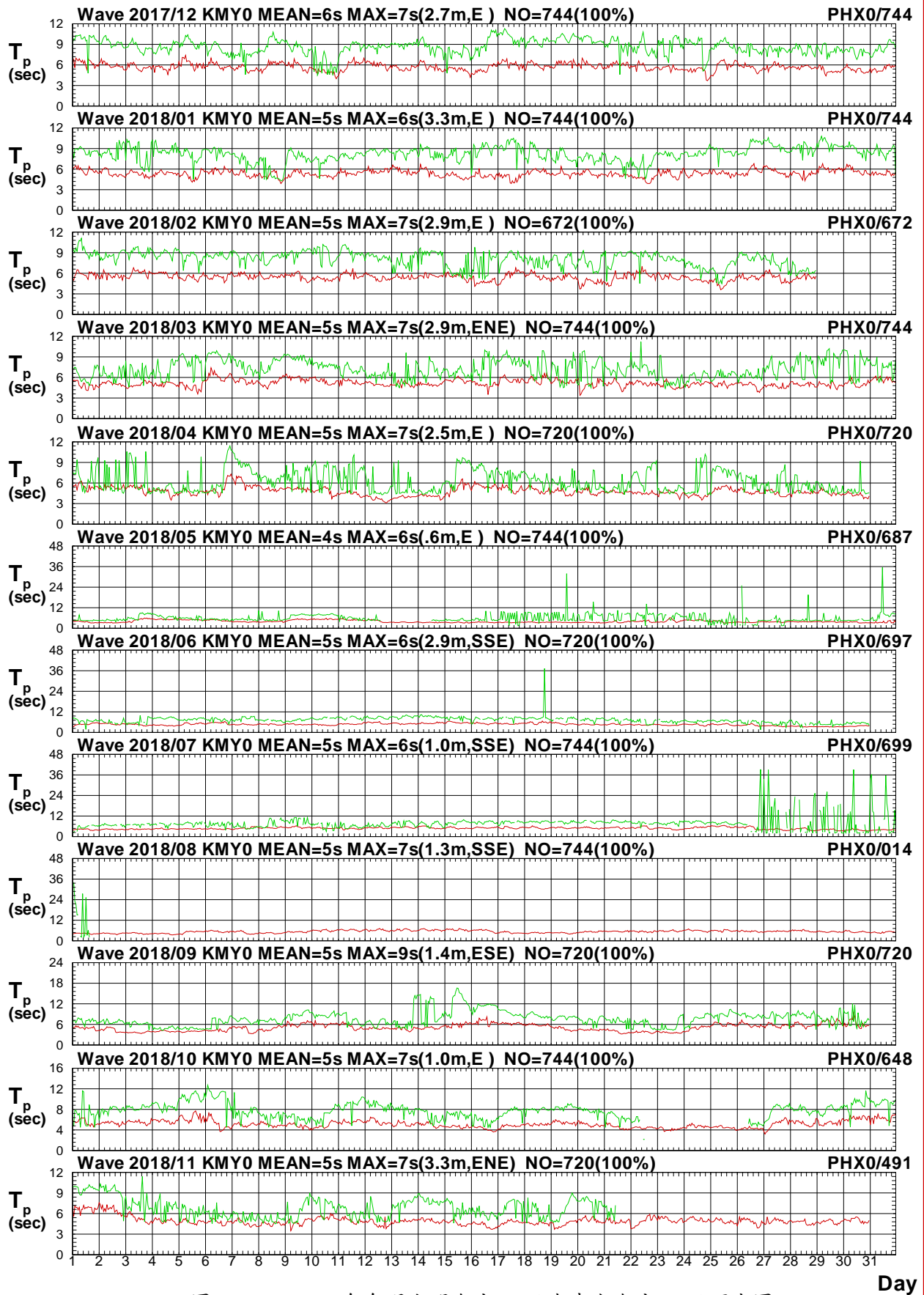


圖2.3.8b 2018年每月金門海域 Y 站與澎湖海域 X 站週期圖

V17CKMY0.1HA V17CPHX0.1H0 V181KMY0.1HA V181PHX0.1H0 V182KMY0.1HA V182PHX0.1H0
 V183KMY0.1HA V183PHX0.1H0 V184KMY0.1HA V184PHX0.1H0 V185KMY0.1HA V185PHX0.1H0

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Wave Direction in Kin-Men Harbor of KMY0 at 2018

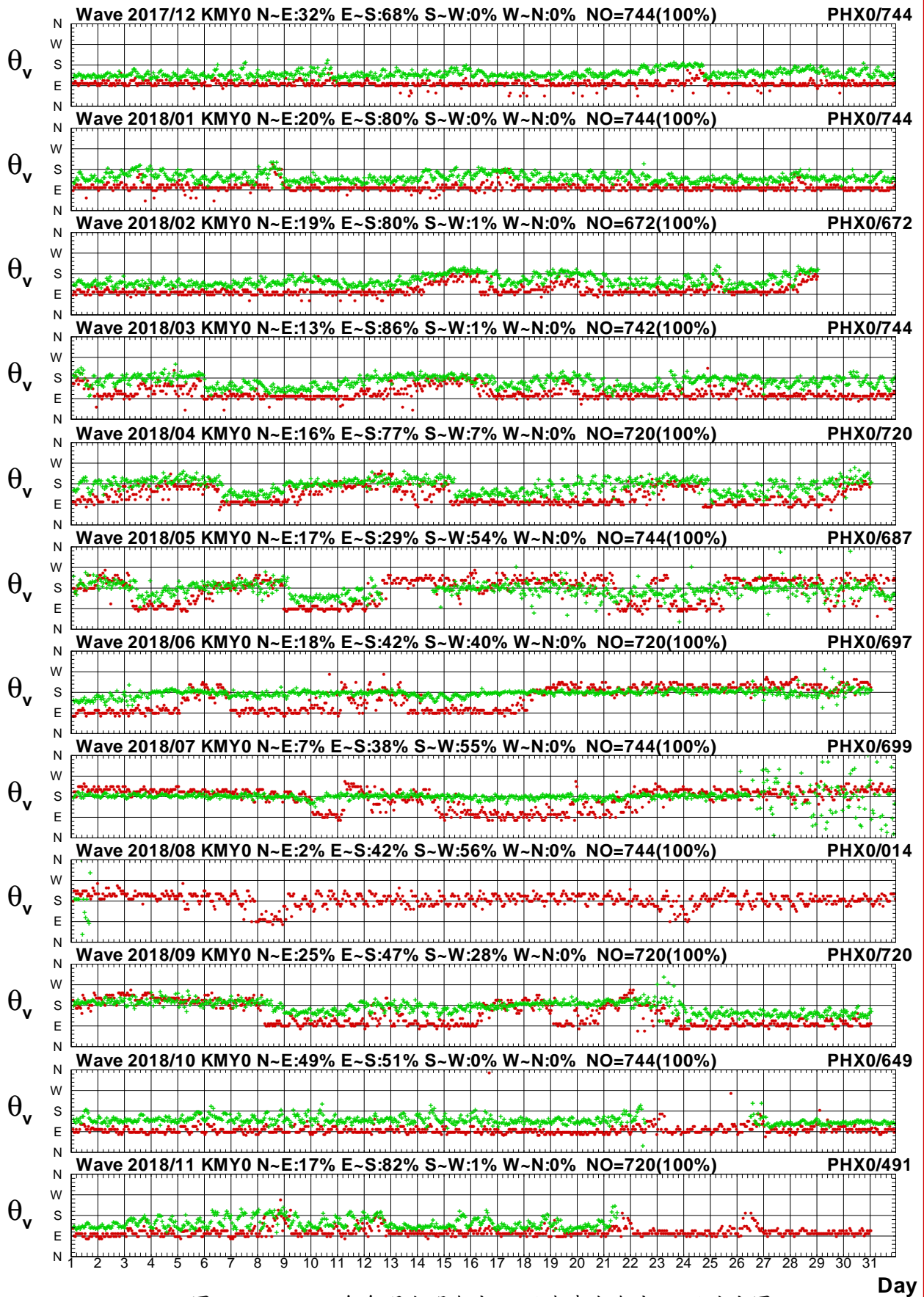


圖2.3.8c 2018年每月金門海域 Y 站與澎湖海域 X 站波向圖

V17CKMY0.1HA V17CPHX0.1H0 V181KMY0.1HA V181PHX0.1H0 V182KMY0.1HA V182PHX0.1H0
 V183KMY0.1HA V183PHX0.1H0 V184KMY0.1HA V184PHX0.1H0 V185KMY0.1HA V185PHX0.1H0

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Wave H_s in Kin-Men Harbor of KMY0 at 2018

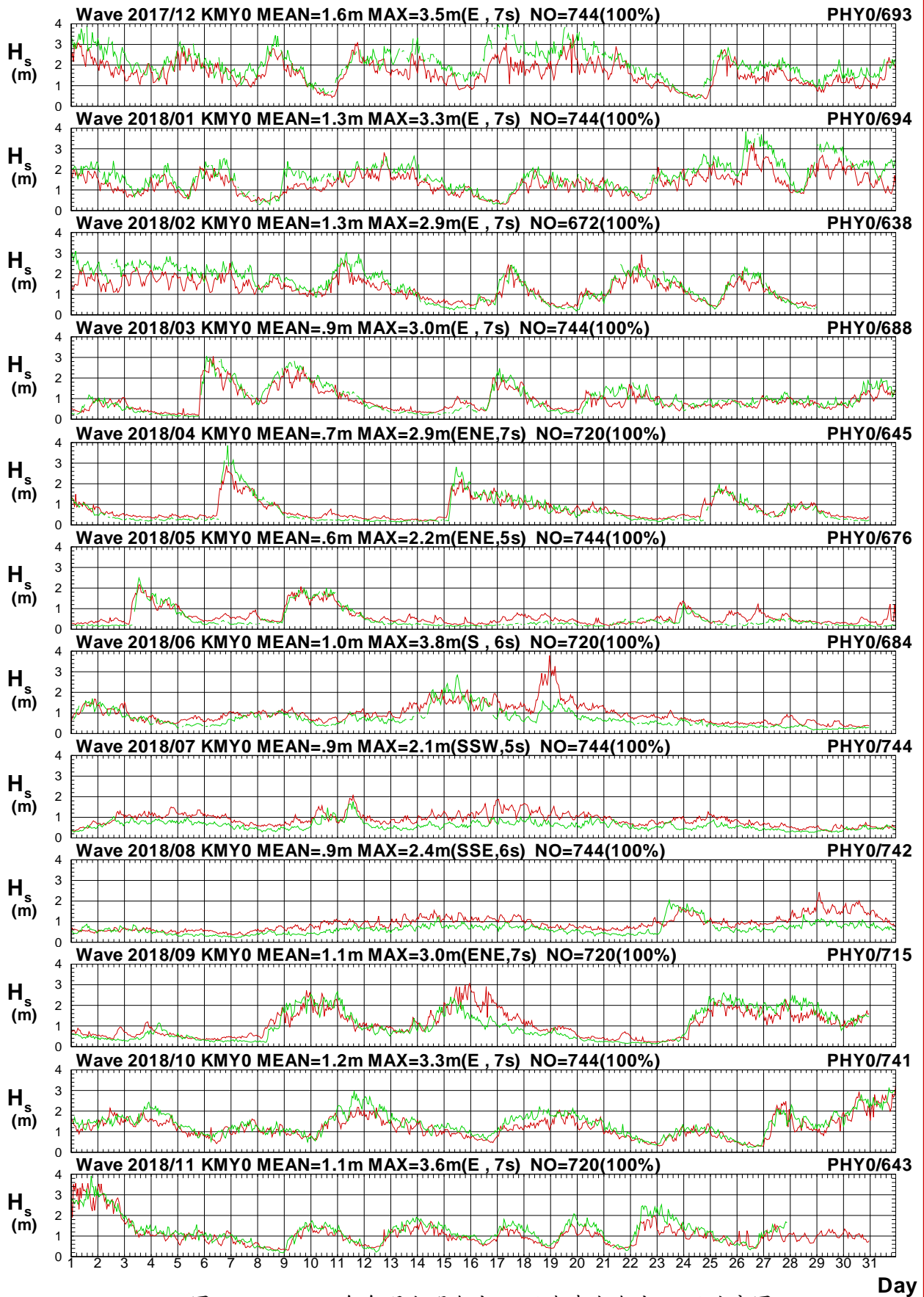


圖2.3.9a 2018年每月金門海域 Y 站與澎湖海域 Y 站波高圖

V17CKMY0.1HA V17CPHY0.1H0 V181KMY0.1HA V181PHY0.1H0 V182KMY0.1HA V182PHY0.1H0
 V183KMY0.1HA V183PHY0.1H0 V184KMY0.1HA V184PHY0.1H0 V185KMY0.1HA V185PHY0.1H0

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Wave T_p in Kin-Men Harbor of KMY0 at 2018

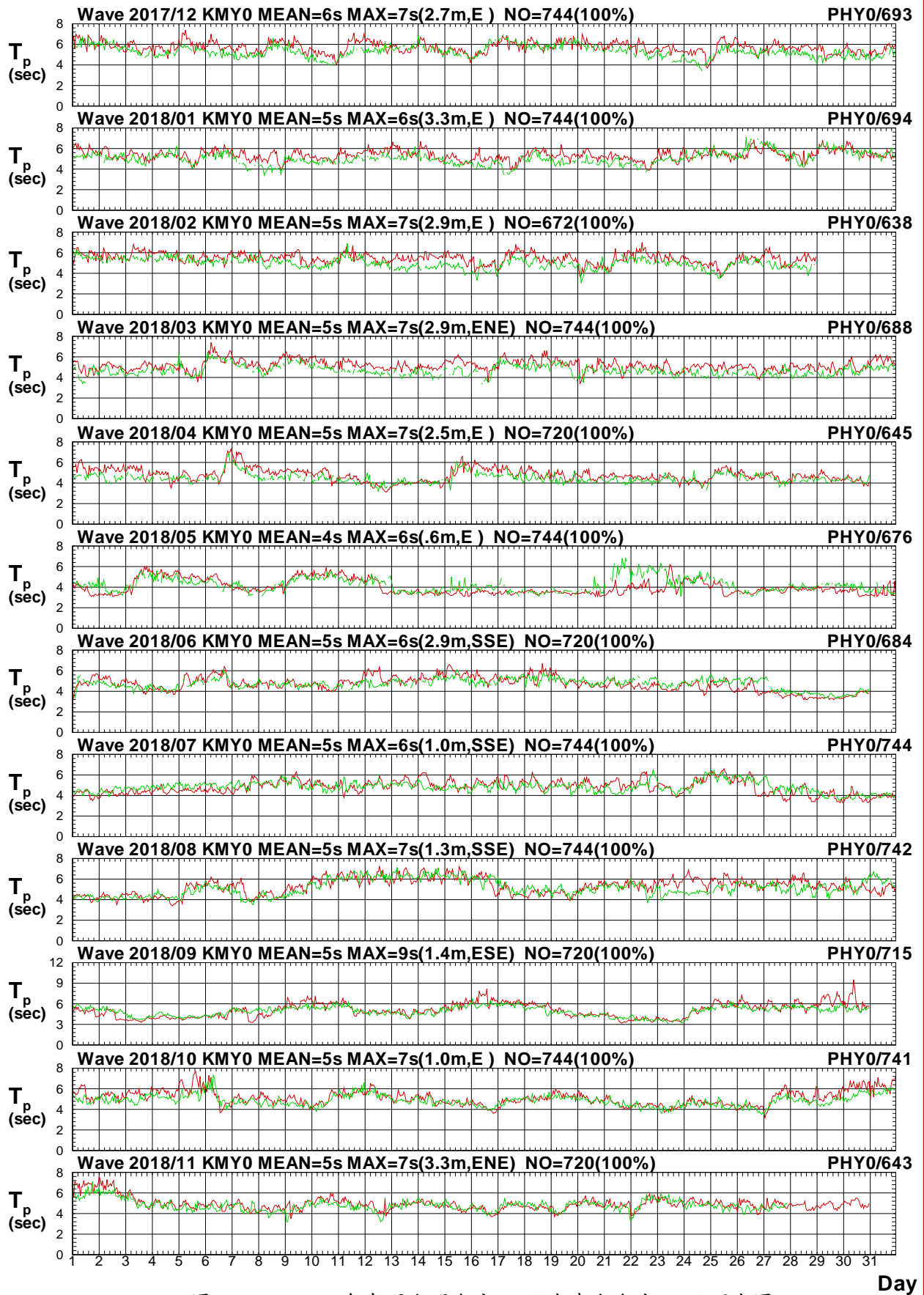


圖2.3.9b 2018年每月金門海域 Y 站與澎湖海域 Y 站週期圖

V17CKMY0.1HA V17CPHY0.1H0 V181KMY0.1HA V181PHY0.1H0 V182KMY0.1HA V182PHY0.1H0
 V183KMY0.1HA V183PHY0.1H0 V184KMY0.1HA V184PHY0.1H0 V185KMY0.1HA V185PHY0.1H0

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Wave Direction in Kin-Men Harbor of KMY0 at 2018

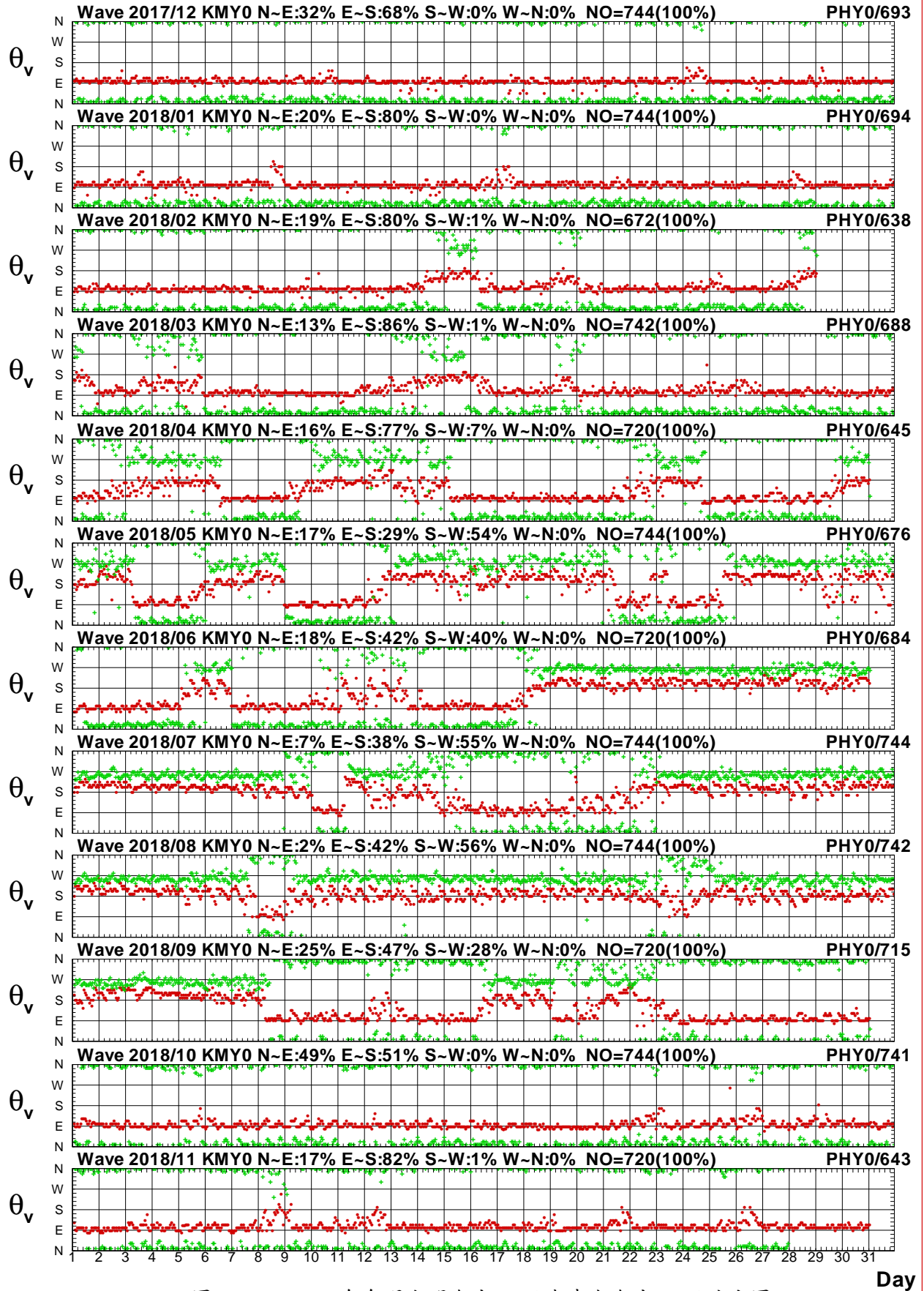


圖2.3.9c 2018年每月金門海域 Y 站與澎湖海域 Y 站波向圖

V17CKMY0.1HA V17CPHY0.1H0 V181KMY0.1HA V181PHY0.1H0 V182KMY0.1HA V182PHY0.1H0
 V183KMY0.1HA V183PHY0.1H0 V184KMY0.1HA V184PHY0.1H0 V185KMY0.1HA V185PHY0.1H0

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Wave H_s in Kin-Men Harbor of KMY0 at 2018

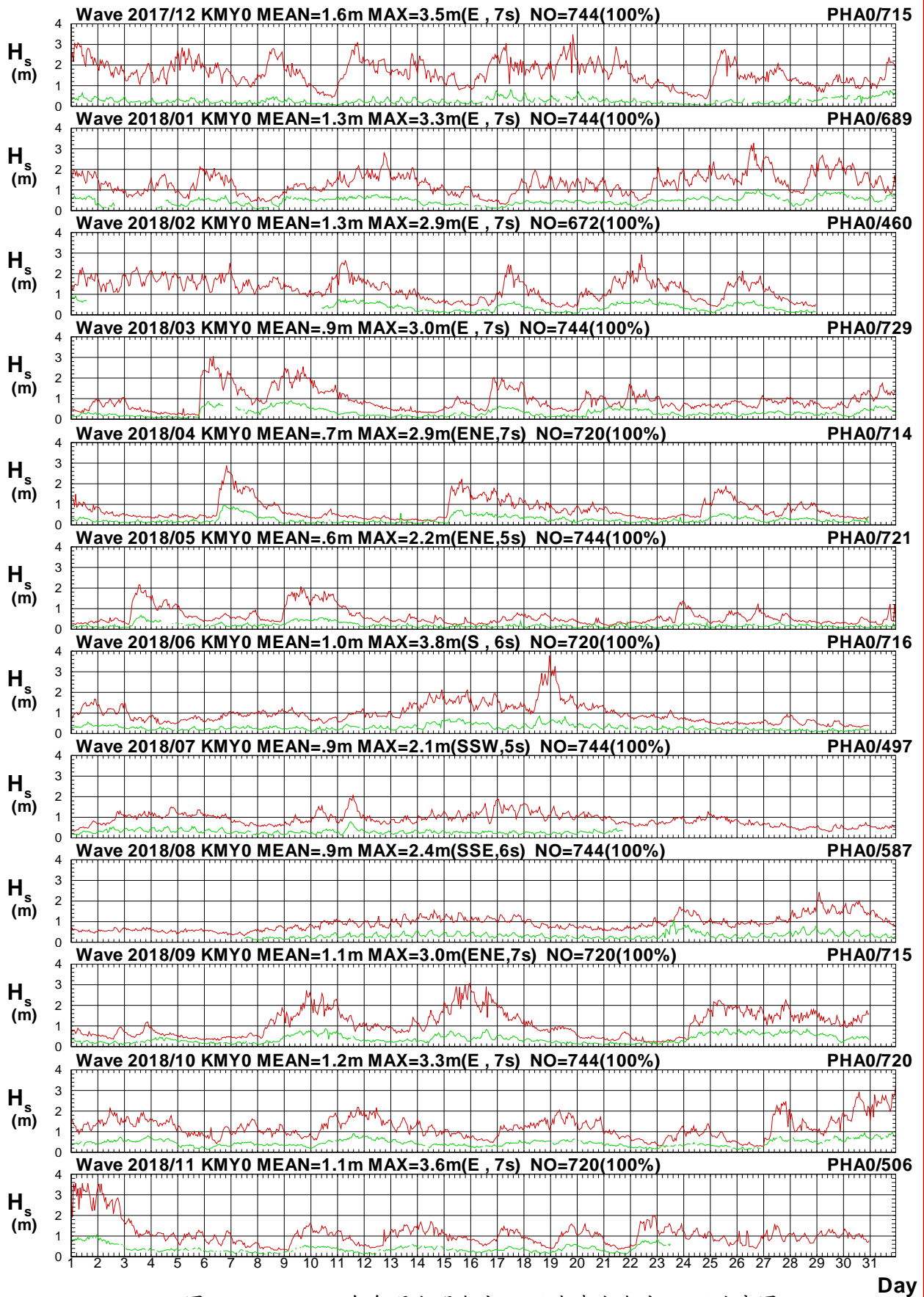


圖 2.3.10a 2018 年每月金門海域 Y 站與澎湖海域 A 站波高圖

V17CKMY0.1HA V17CPHA0.1H0 V181KMY0.1HA V181PHA0.1H0 V182KMY0.1HA V182PHA0.1H0
 V183KMY0.1HA V183PHA0.1H0 V184KMY0.1HA V184PHA0.1H0 V185KMY0.1HA V185PHA0.1H0

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Wave T_p in Kin-Men Harbor of KMY0 at 2018

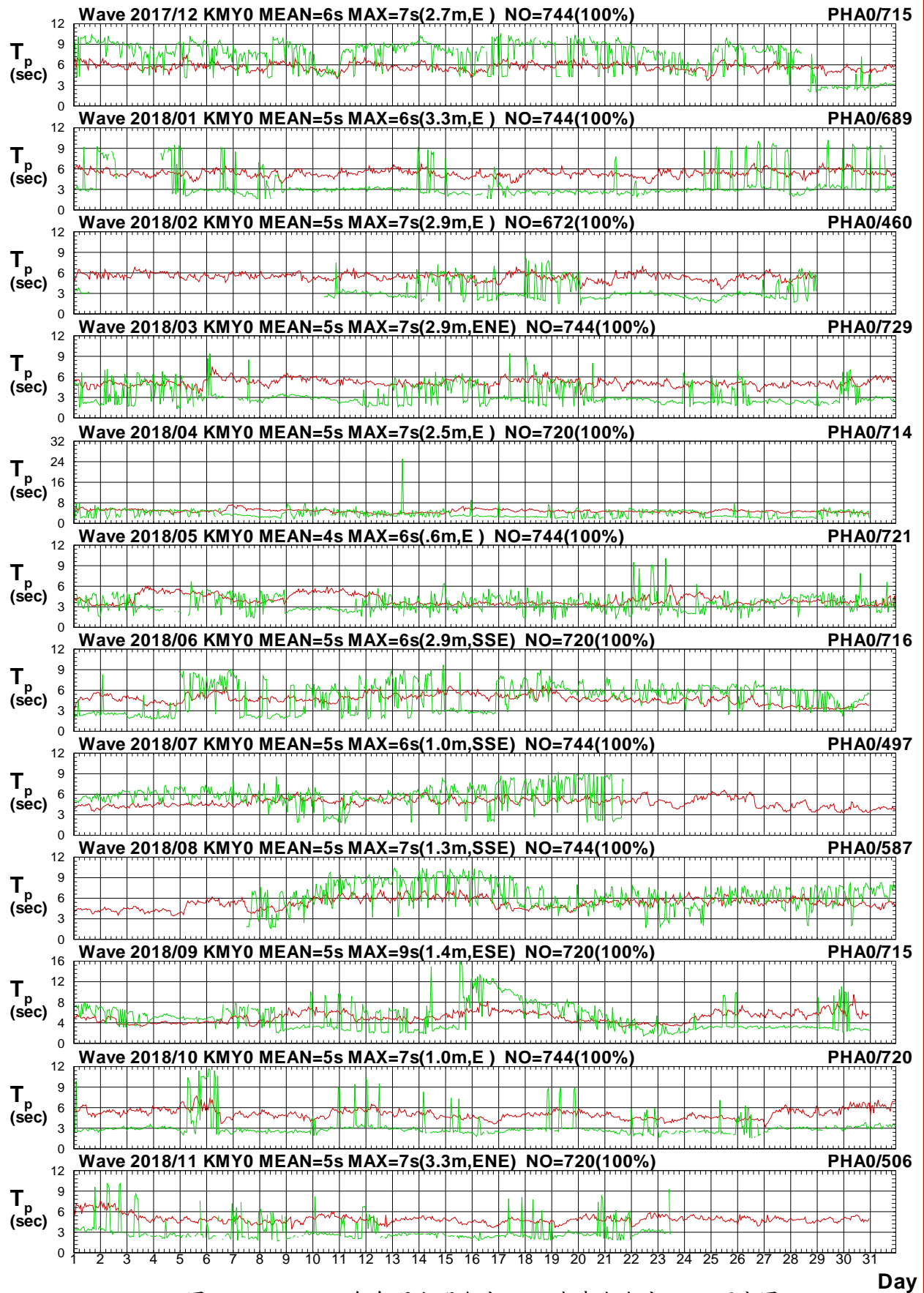


圖2.3.10b 2018年每月金門海域 Y 站與澎湖海域 A 站週期圖

V17CKMY0.1HA V17CPHA0.1H0 V181KMY0.1HA V181PHA0.1H0 V182KMY0.1HA V182PHA0.1H0
 V183KMY0.1HA V183PHA0.1H0 V184KMY0.1HA V184PHA0.1H0 V185KMY0.1HA V185PHA0.1H0

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Wave Direction in Kin-Men Harbor of KMY0 at 2018

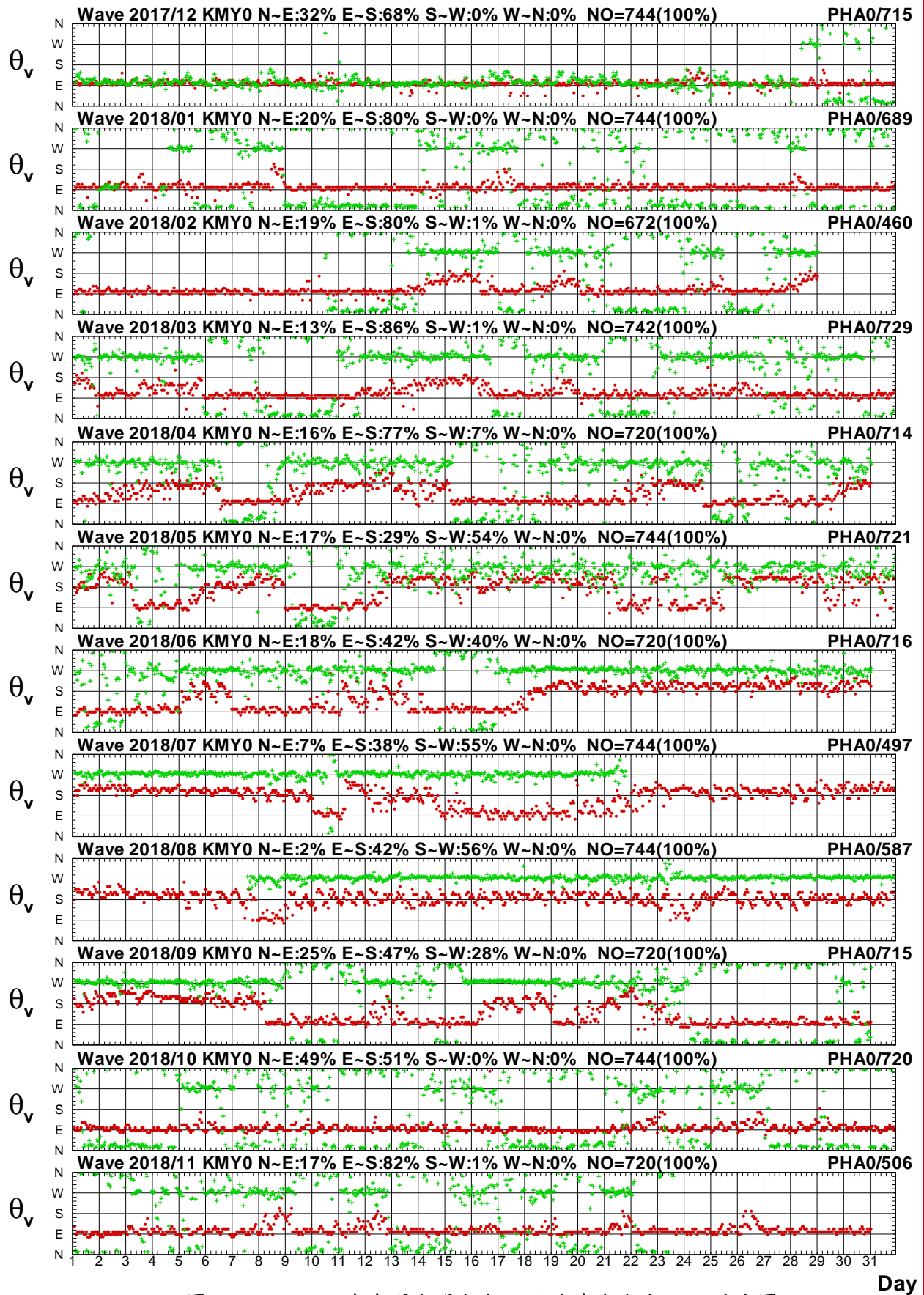


圖 2.3.10c 2018年每月金門海域 Y 站與澎湖海域 A 站波向圖

V17CKMY0.1HA V17CPHA0.1H0 V181KMY0.1HA V181PHA0.1H0 V182KMY0.1HA V182PHA0.1H0
 V183KMY0.1HA V183PHA0.1H0 V184KMY0.1HA V184PHA0.1H0 V185KMY0.1HA V185PHA0.1H0

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Wave H_s in Kin-Men Harbor of KMY0 at 2018

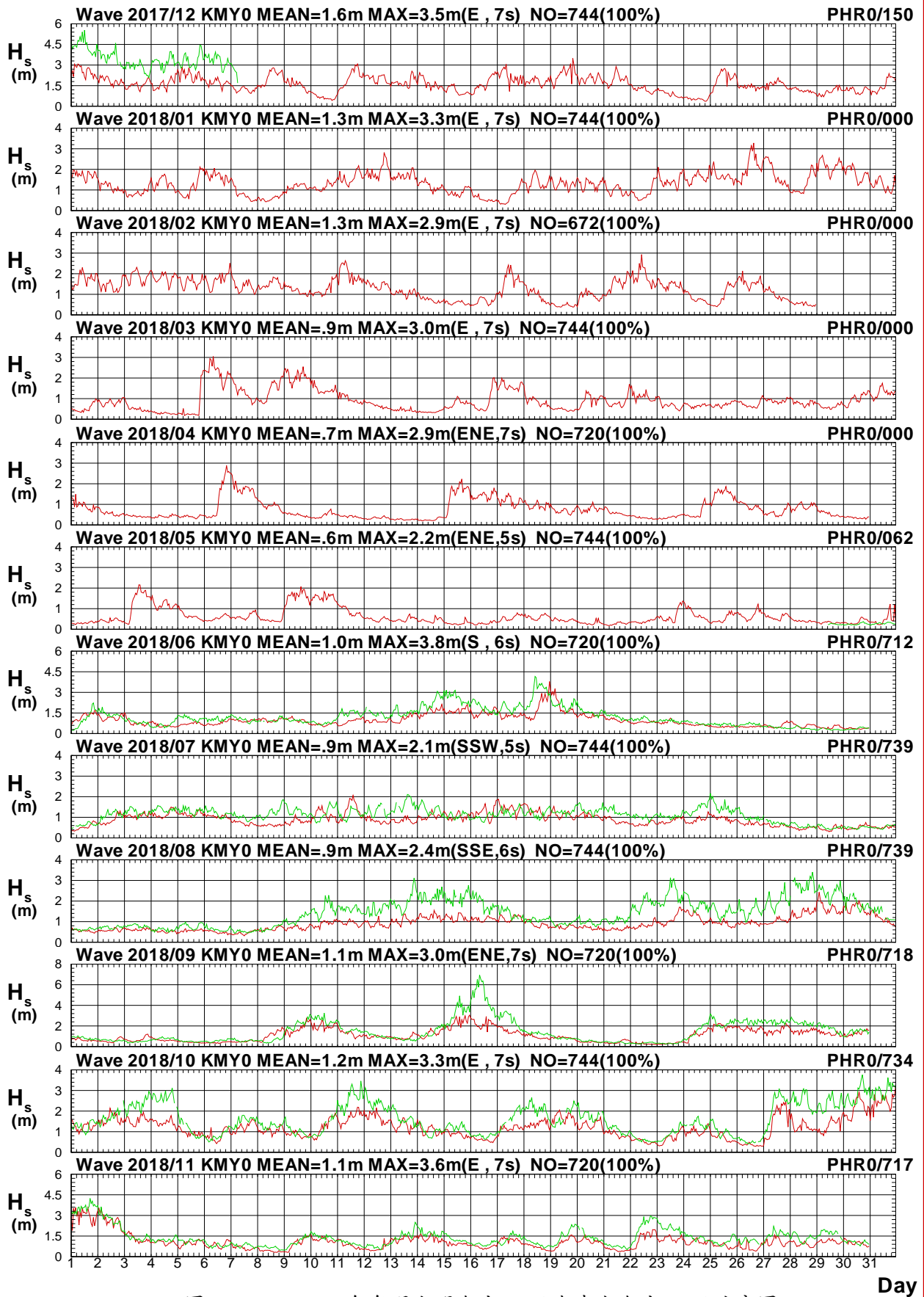


圖2.3.11a 2018年每月金門海域 Y 站與澎湖海域 R 站波高圖

V17CKMY0.1HA V17CPHR0.1H0 V181KMY0.1HA V181PHR0.1H0 V182KMY0.1HA V182PHR0.1H0
 V183KMY0.1HA V183PHR0.1H0 V184KMY0.1HA V184PHR0.1H0 V185KMY0.1HA V185PHR0.1H0

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Wave T_p in Kin-Men Harbor of KMY0 at 2018

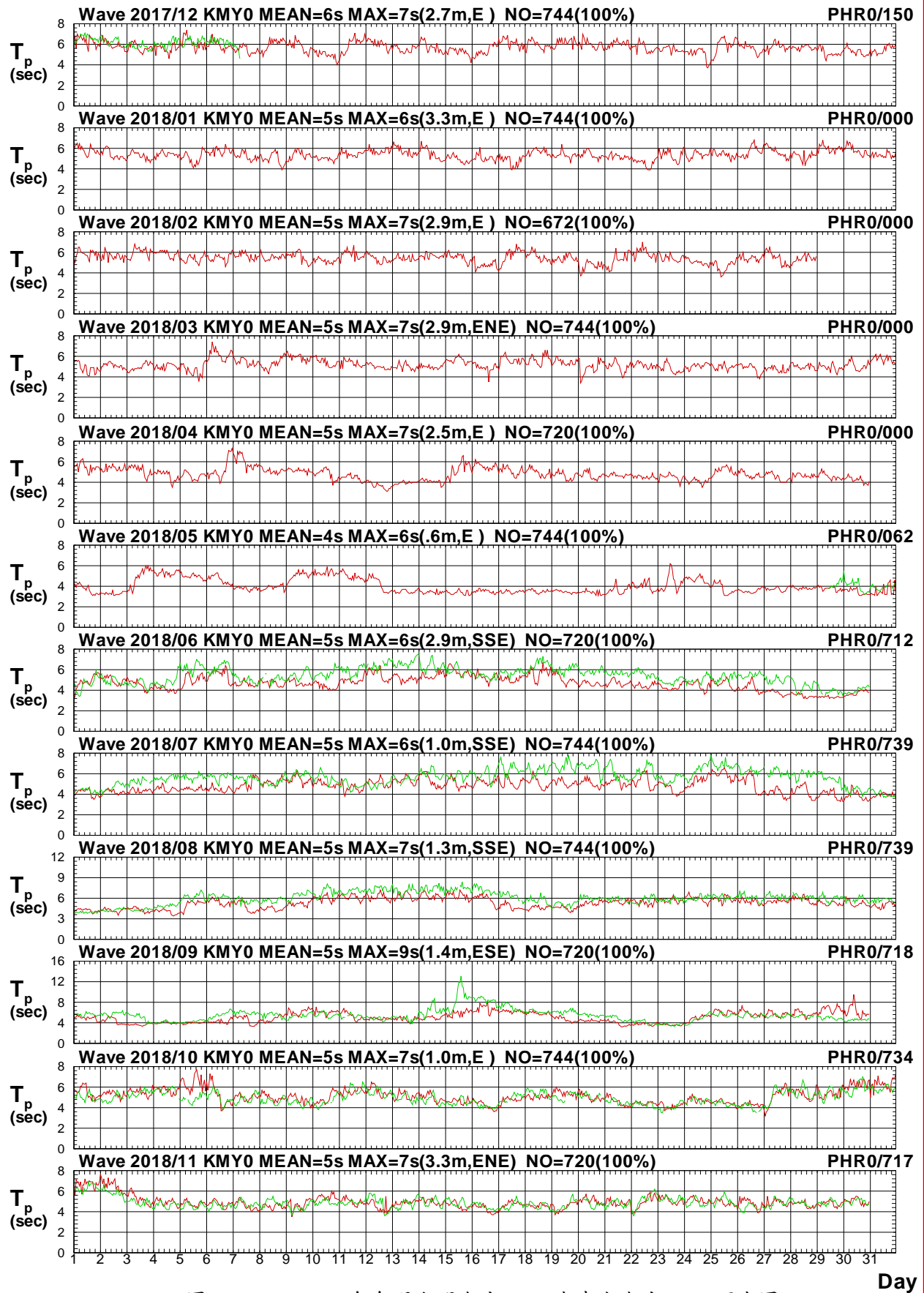


圖2.3.11b 2018年每月金門海域 Y 站與澎湖海域 R 站週期圖

V17CKMY0.1HA V17CPHR0.1H0 V181KMY0.1HA V181PHR0.1H0 V182KMY0.1HA V182PHR0.1H0
 V183KMY0.1HA V183PHR0.1H0 V184KMY0.1HA V184PHR0.1H0 V185KMY0.1HA V185PHR0.1H0

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Wave Direction in Kin-Men Harbor of KMY0 at 2018

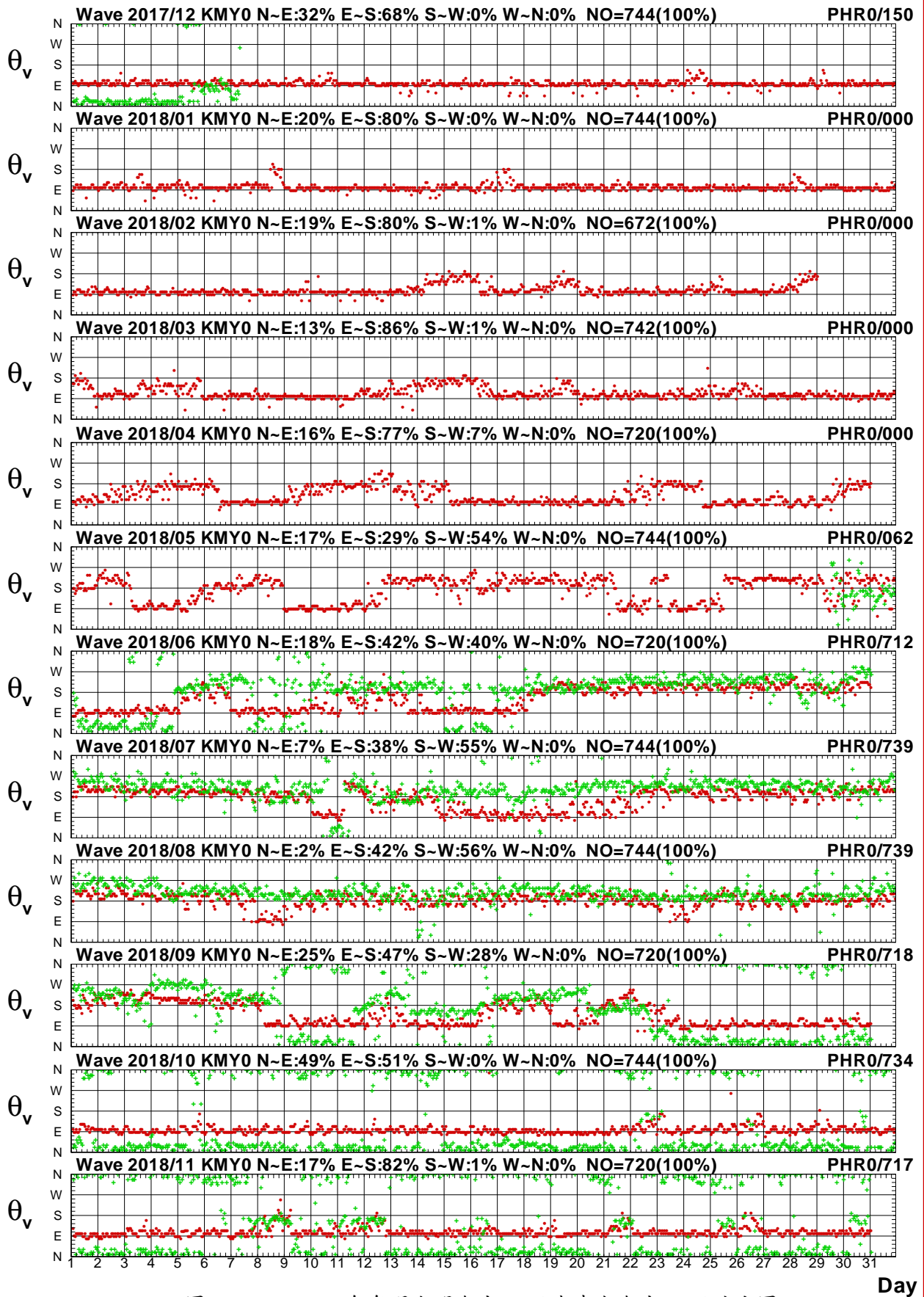


圖 2.3.11c 2018 年每月金門海域 Y 站與澎湖海域 R 站波向圖

V17CKMY0.1HA V17CPHR0.1H0 V181KMY0.1HA V181PHR0.1H0 V182KMY0.1HA V182PHR0.1H0
 V183KMY0.1HA V183PHR0.1H0 V184KMY0.1HA V184PHR0.1H0 V185KMY0.1HA V185PHR0.1H0

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2.4 2018 年金門海域波浪**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 Kin-Men Harbor of KMX0 at 2018

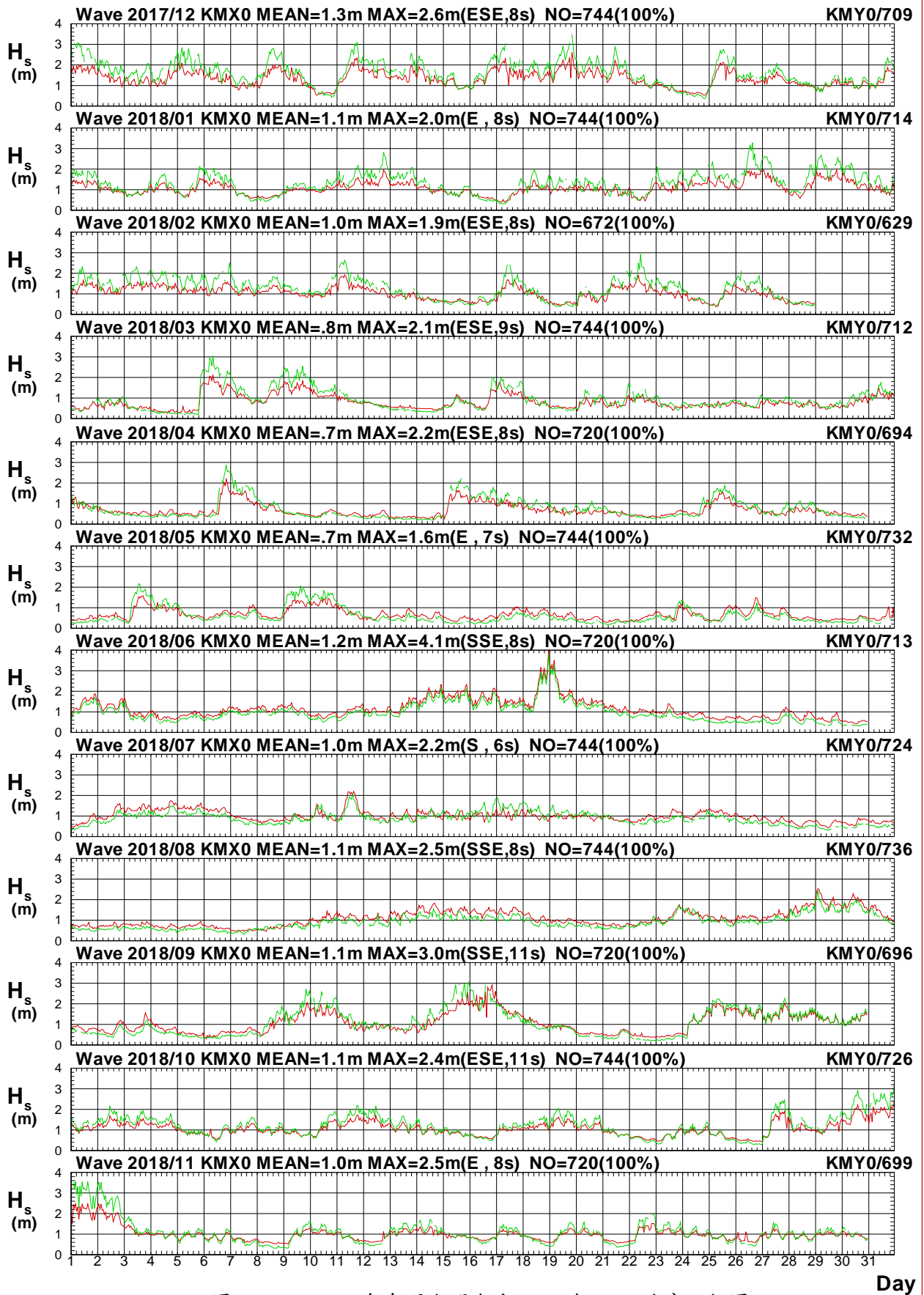


圖2.4.1a 2018年每月金門海域 X 站與 Y 站波高比較圖

V17CKMX0.1HA V17CKMY0.1H0 V181KMX0.1HA V181KMY0.1H0 V182KMX0.1HA V182KMY0.1H0
 V183KMX0.1HA V183KMY0.1H0 V184KMX0.1HA V184KMY0.1H0 V185KMX0.1HA V185KMY0.1H0

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Wave T_p in Kin-Men Harbor of KMX0 at 2018

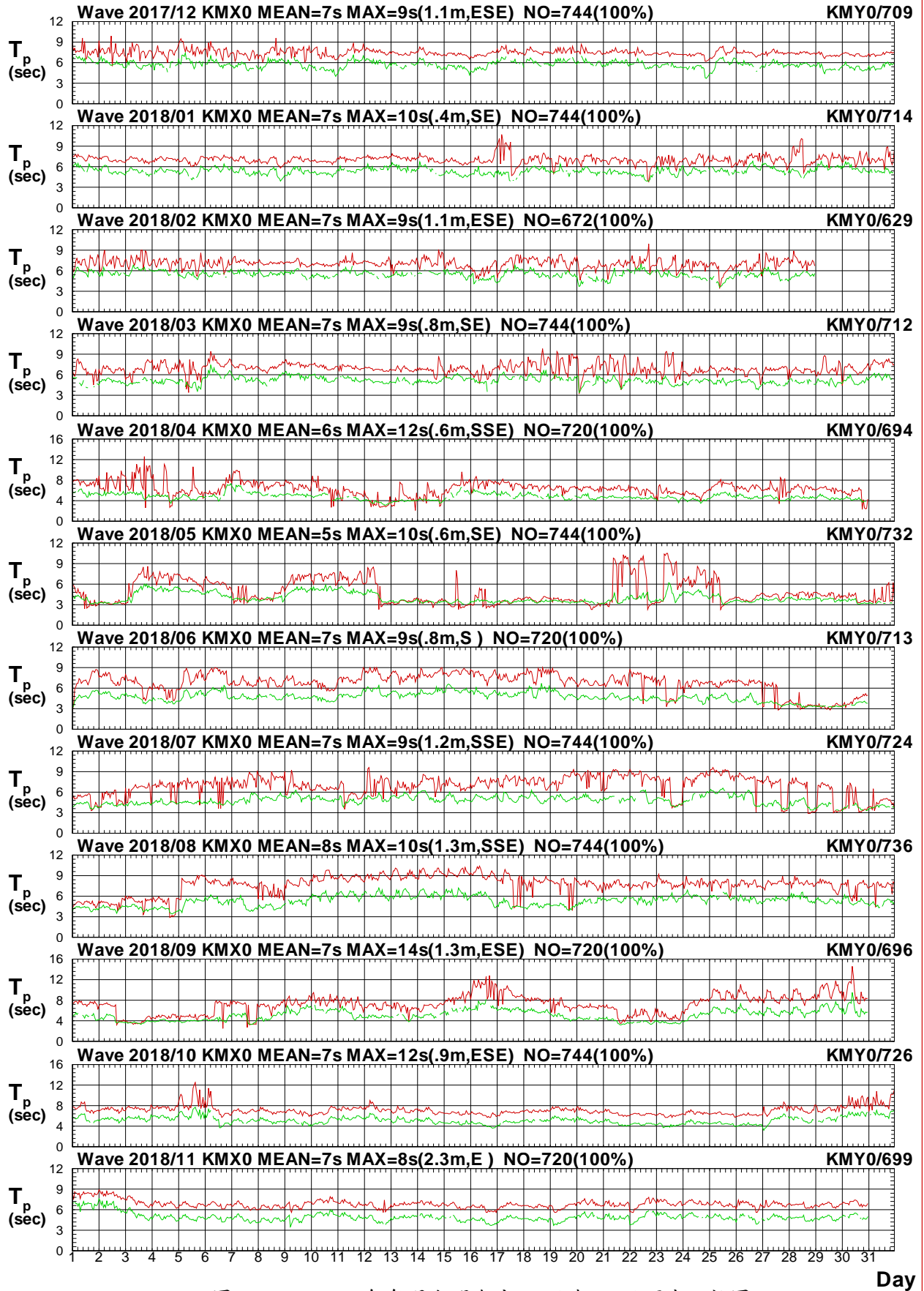


圖2.4.1b 2018年每月金門海域 X 站與 Y 站週期比較圖

V17CKMX0.1HA V17CKMY0.1H0 V181KMX0.1HA V181KMY0.1H0 V182KMX0.1HA V182KMY0.1H0
 V183KMX0.1HA V183KMY0.1H0 V184KMX0.1HA V184KMY0.1H0 V185KMX0.1HA V185KMY0.1H0

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Wave Direction in Kin-Men Harbor of KMX0 at 2018

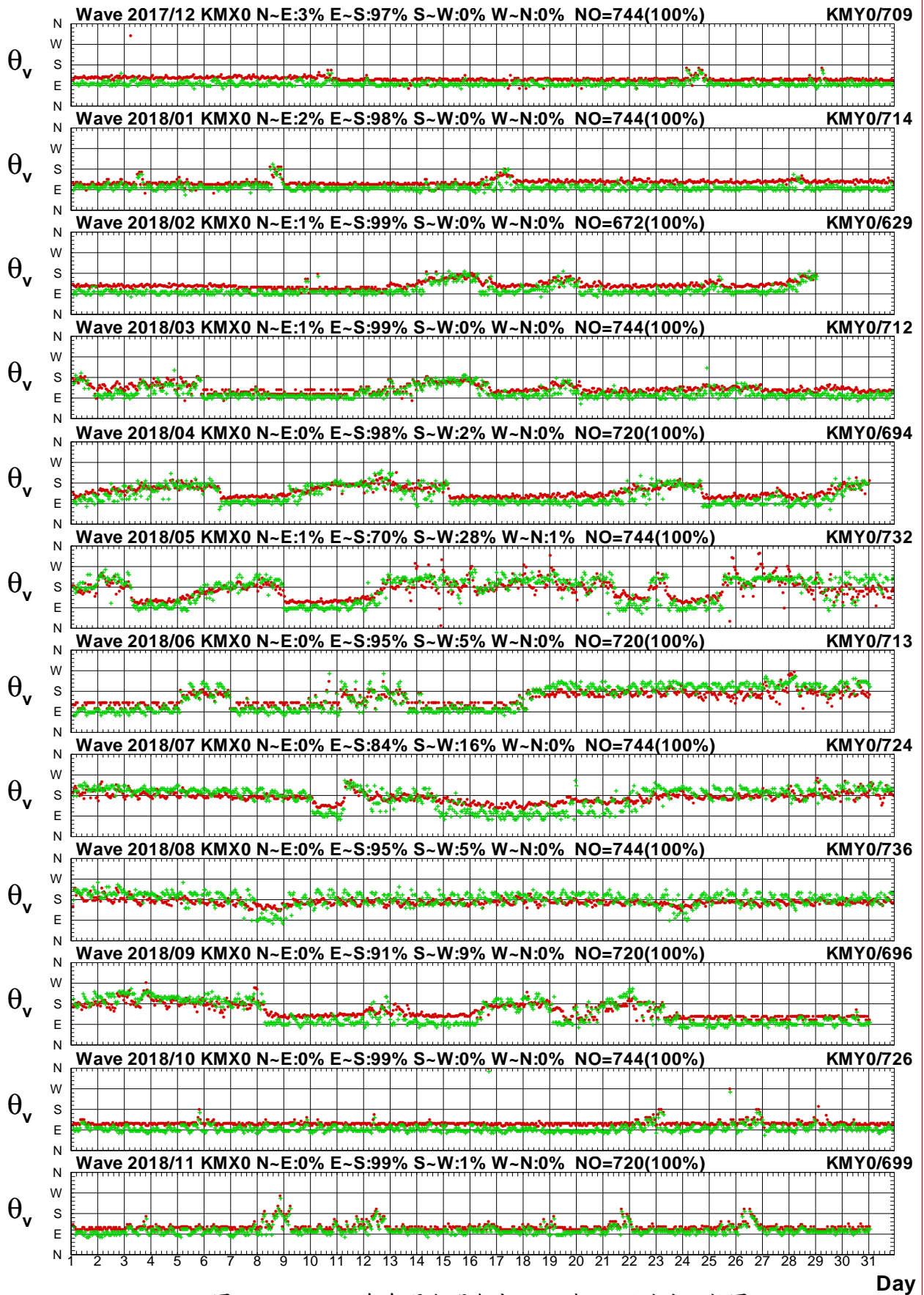


圖2.4.1c 2018年每月金門海域 X 站與 Y 站波向比較圖

V17CKMX0.1HA V17CKMY0.1H0 V181KMX0.1HA V181KMY0.1H0 V182KMX0.1HA V182KMY0.1H0
 V183KMX0.1HA V183KMY0.1H0 V184KMX0.1HA V184KMY0.1H0 V185KMX0.1HA V185KMY0.1H0

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Wave H_s in Kin-Men Harbor of KMX0 at 2018

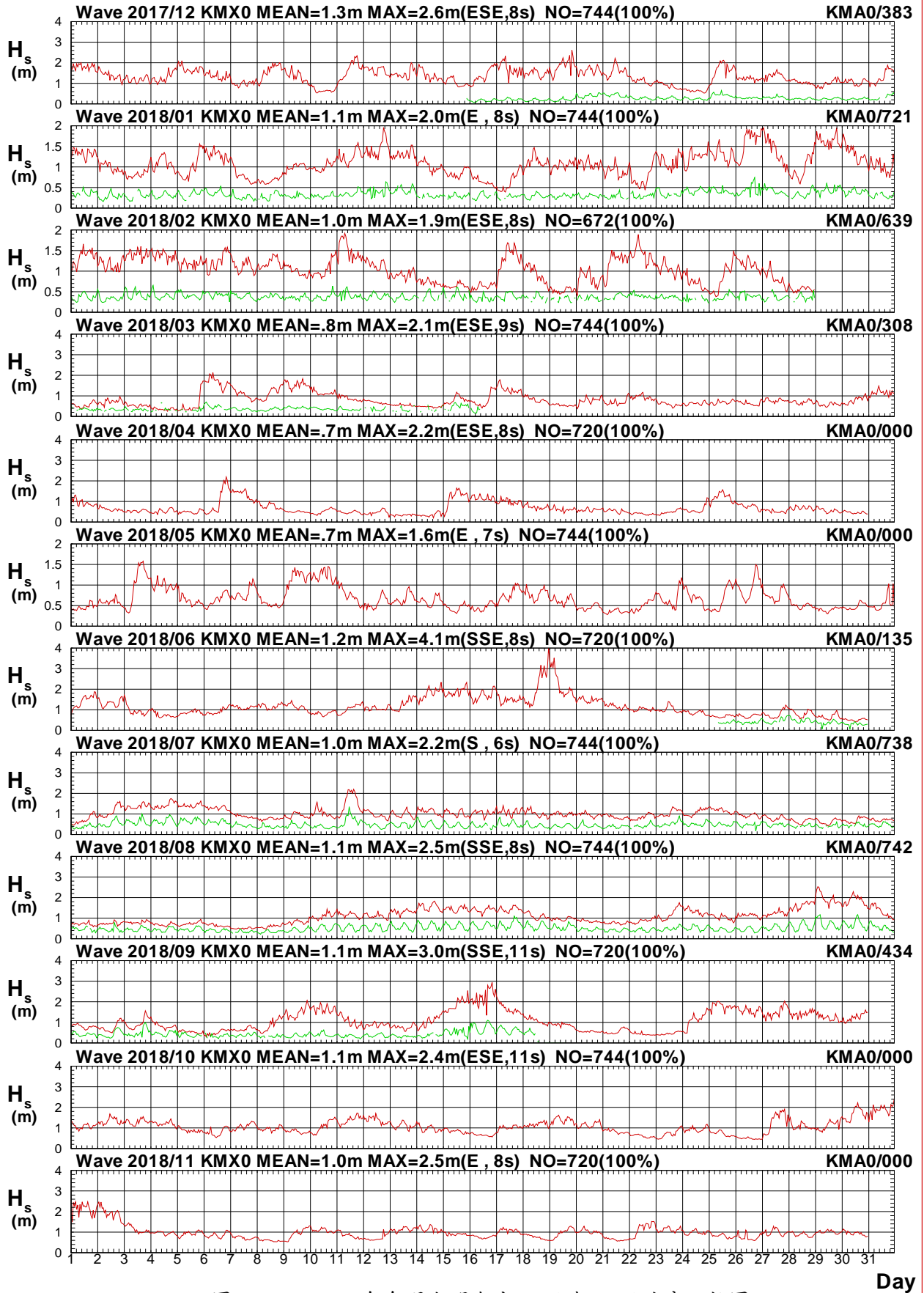


圖2.4.2a 2018年每月金門海域 X 站與 A 站波高比較圖

V17CKMX0.1HA V17CKMA0.1H0 V181KMX0.1HA V181KMA0.1H0 V182KMX0.1HA V182KMA0.1H0
 V183KMX0.1HA V183KMA0.1H0 V184KMX0.1HA V184KMA0.1H0 V185KMX0.1HA V185KMA0.1H0

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Wave T_p in Kin-Men Harbor of KMX0 at 2018

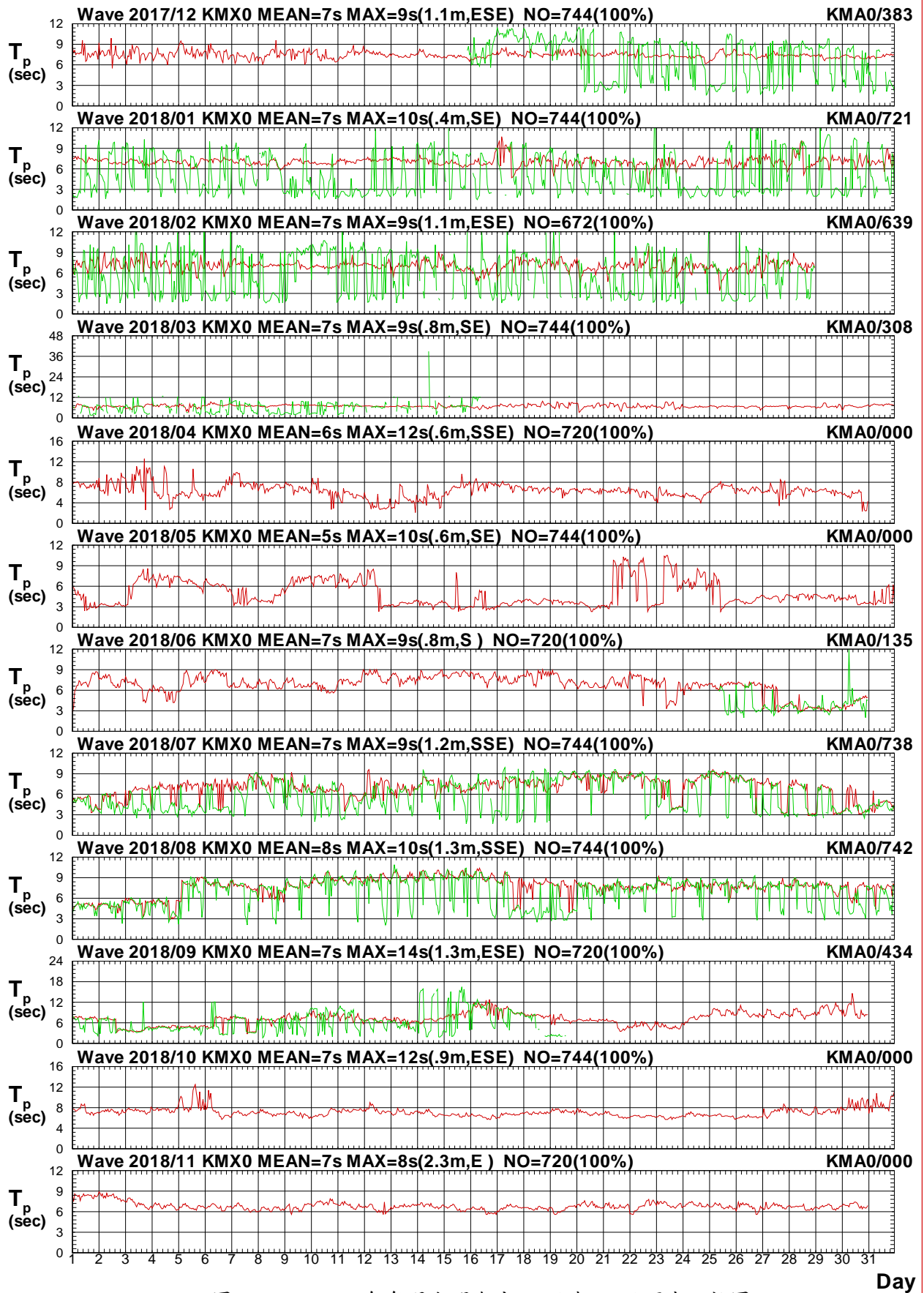


圖2.4.2b 2018年每月金門海域 X 站與 A 站週期比較圖

V17CKMX0.1HA V17CKMA0.1H0 V181KMX0.1HA V181KMA0.1H0 V182KMX0.1HA V182KMA0.1H0
 V183KMX0.1HA V183KMA0.1H0 V184KMX0.1HA V184KMA0.1H0 V185KMX0.1HA V185KMA0.1H0

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Wave Direction in Kin-Men Harbor of KMX0 at 2018

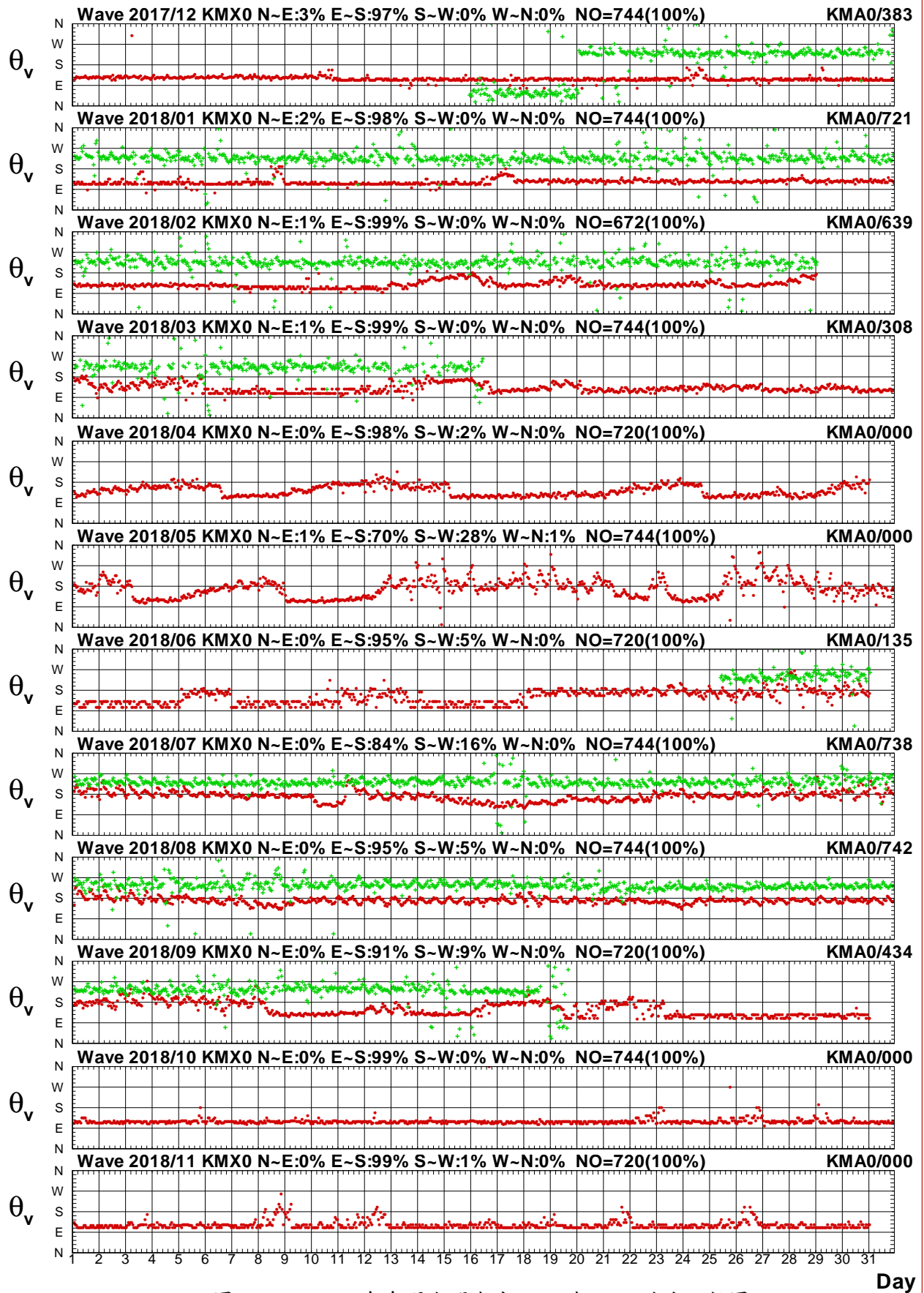


圖2.4.2c 2018年每月金門海域 X 站與 A 站波向比較圖

V17CKMX0.1HA V17CKMA0.1H0 V181KMX0.1HA V181KMA0.1H0 V182KMX0.1HA V182KMA0.1H0
 V183KMX0.1HA V183KMA0.1H0 V184KMX0.1HA V184KMA0.1H0 V185KMX0.1HA V185KMA0.1H0

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Wave H_s in Kin-Men Harbor of KMX0 at 2018

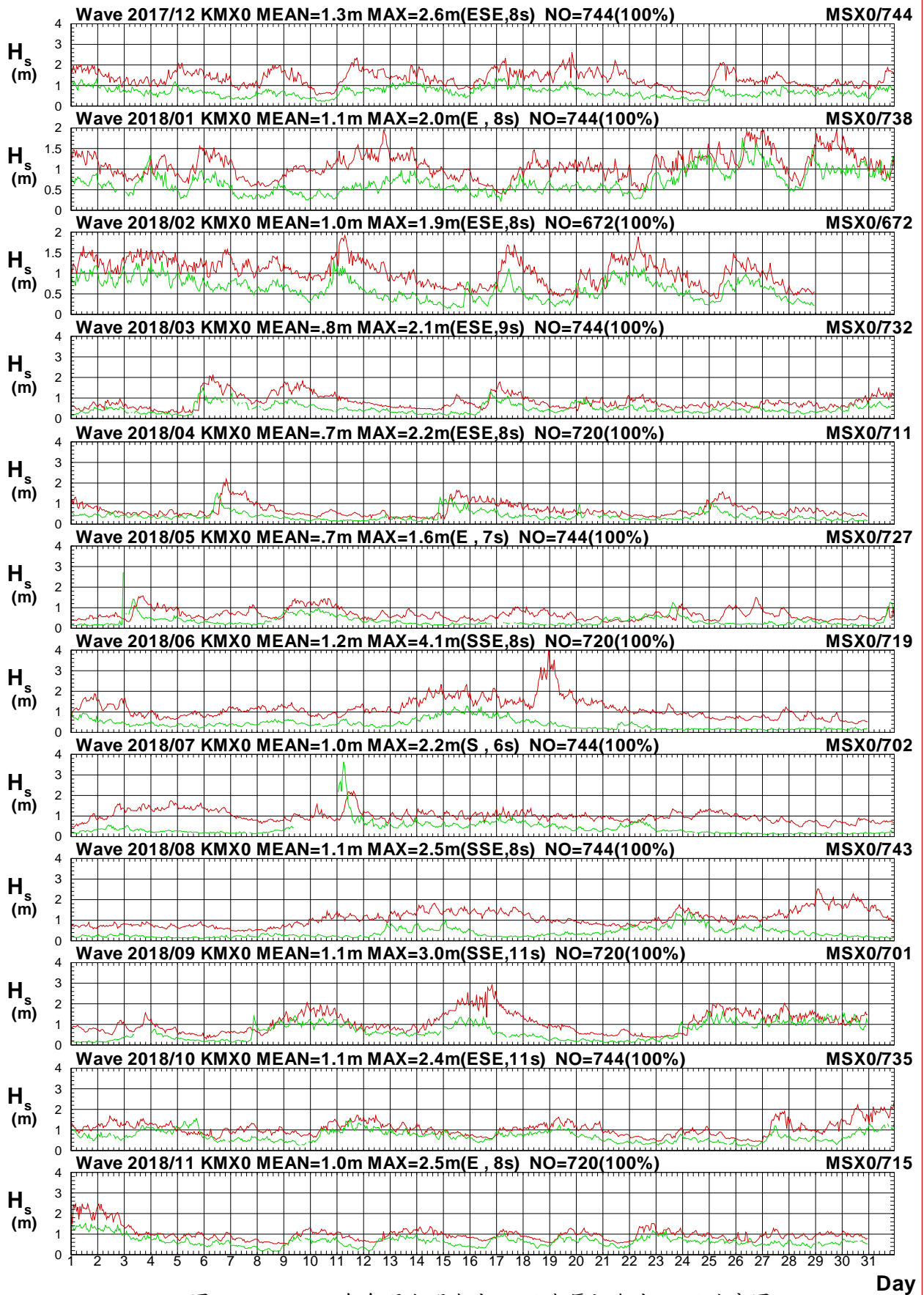


圖2.4.3a 2018年每月金門海域 X 站與馬祖海域 X 站波高圖

V17CKMX0.1HA V17CMSX0.1H0 V181KMX0.1HA V181MSX0.1H0 V182KMX0.1HA V182MSX0.1H0
 V183KMX0.1HA V183MSX0.1H0 V184KMX0.1HA V184MSX0.1H0 V185KMX0.1HA V185MSX0.1H0

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Wave T_p in Kin-Men Harbor of KMX0 at 2018

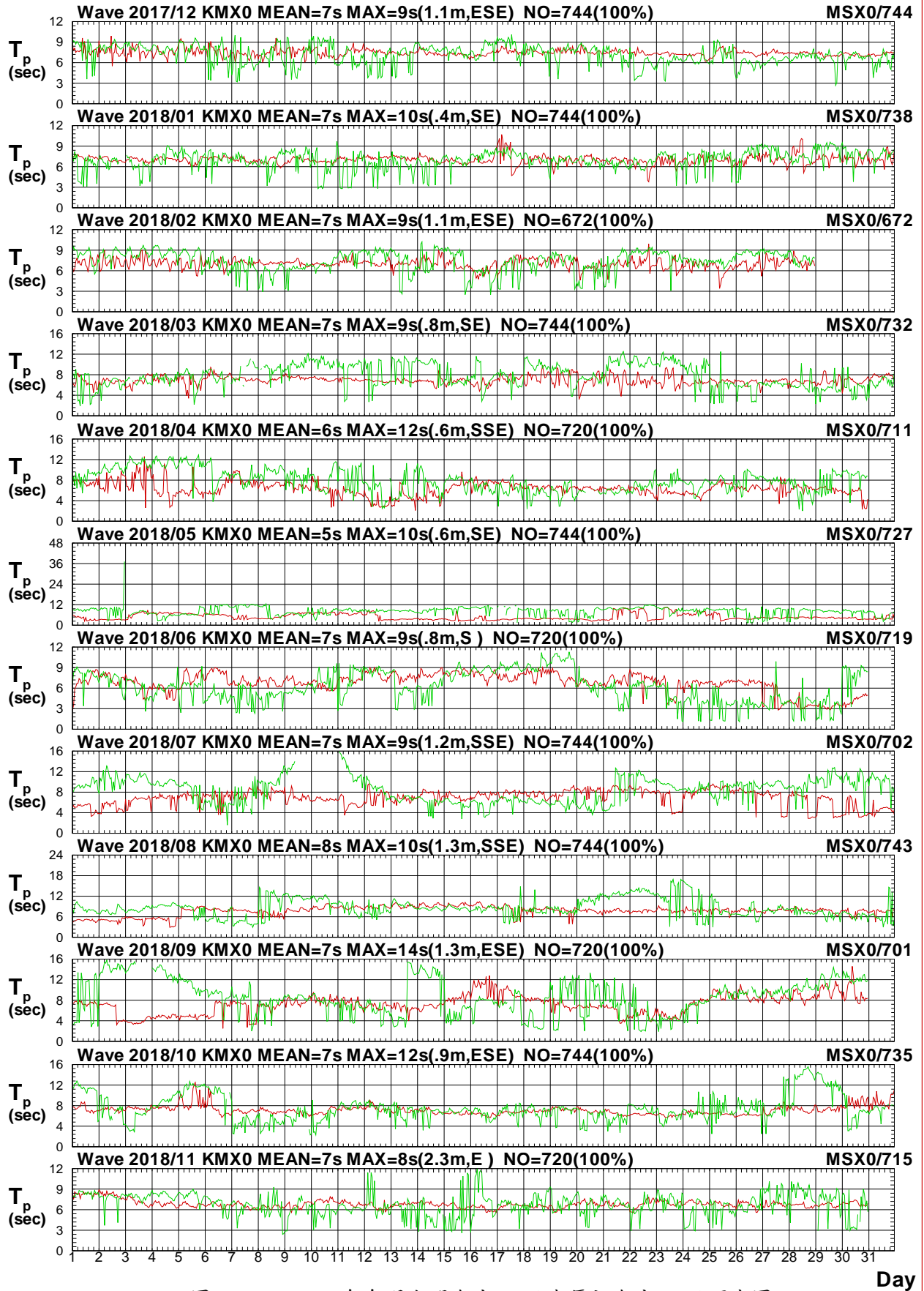


圖2.4.3b 2018年每月金門海域 X 站與馬祖海域 X 站週期圖

V17CKMX0.1HA V17CMSX0.1H0 V181KMX0.1HA V181MSX0.1H0 V182KMX0.1HA V182MSX0.1H0
 V183KMX0.1HA V183MSX0.1H0 V184KMX0.1HA V184MSX0.1H0 V185KMX0.1HA V185MSX0.1H0

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Wave Direction in Kin-Men Harbor of KMX0 at 2018

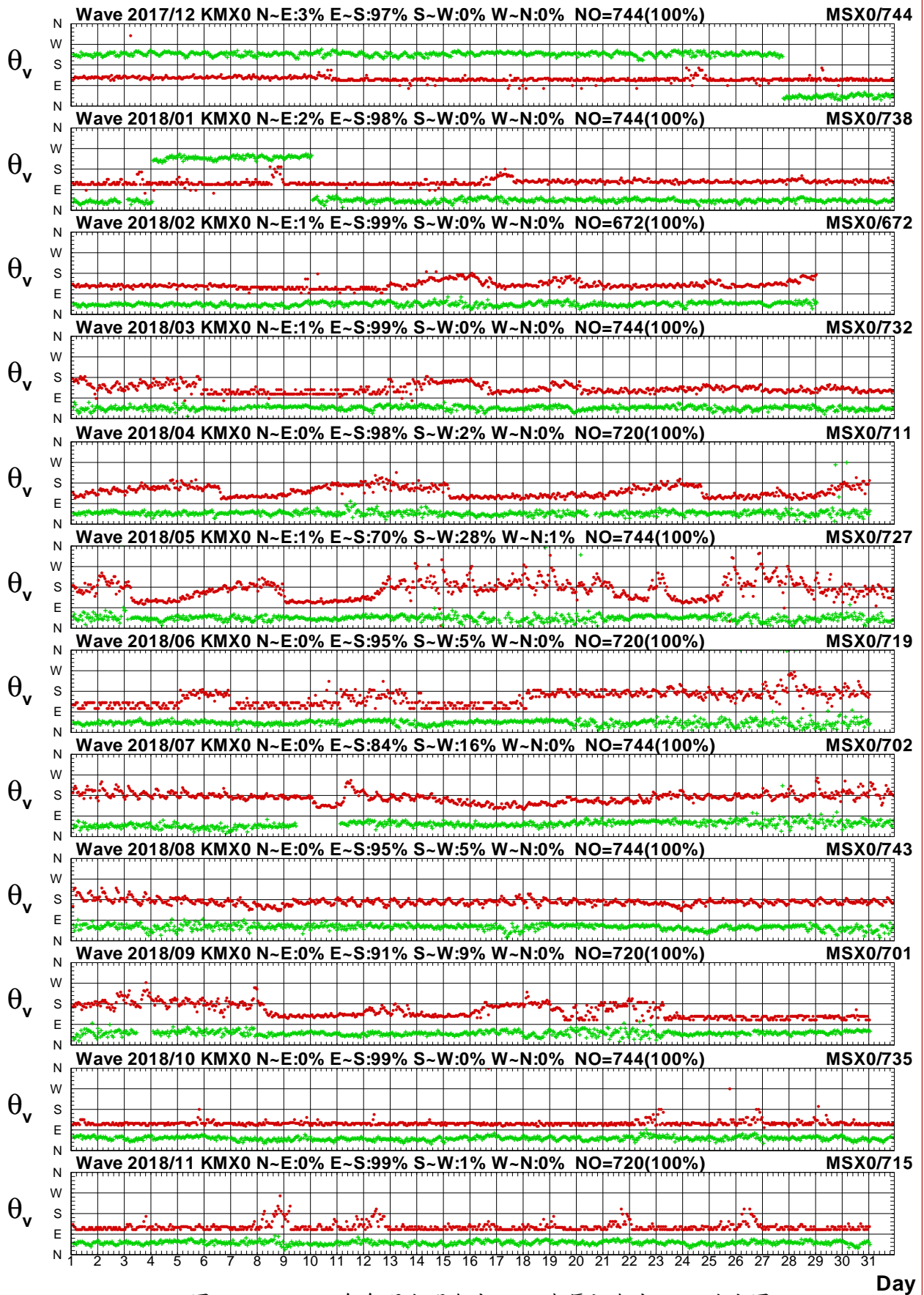


圖2.4.3c 2018年每月金門海域 X 站與馬祖海域 X 站波向圖

V17CKMX0.1HA V17CMSX0.1H0 V181KMX0.1HA V181MSX0.1H0 V182KMX0.1HA V182MSX0.1H0
 V183KMX0.1HA V183MSX0.1H0 V184KMX0.1HA V184MSX0.1H0 V185KMX0.1HA V185MSX0.1H0

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Wave H_s in Kin-Men Harbor of KMX0 at 2018

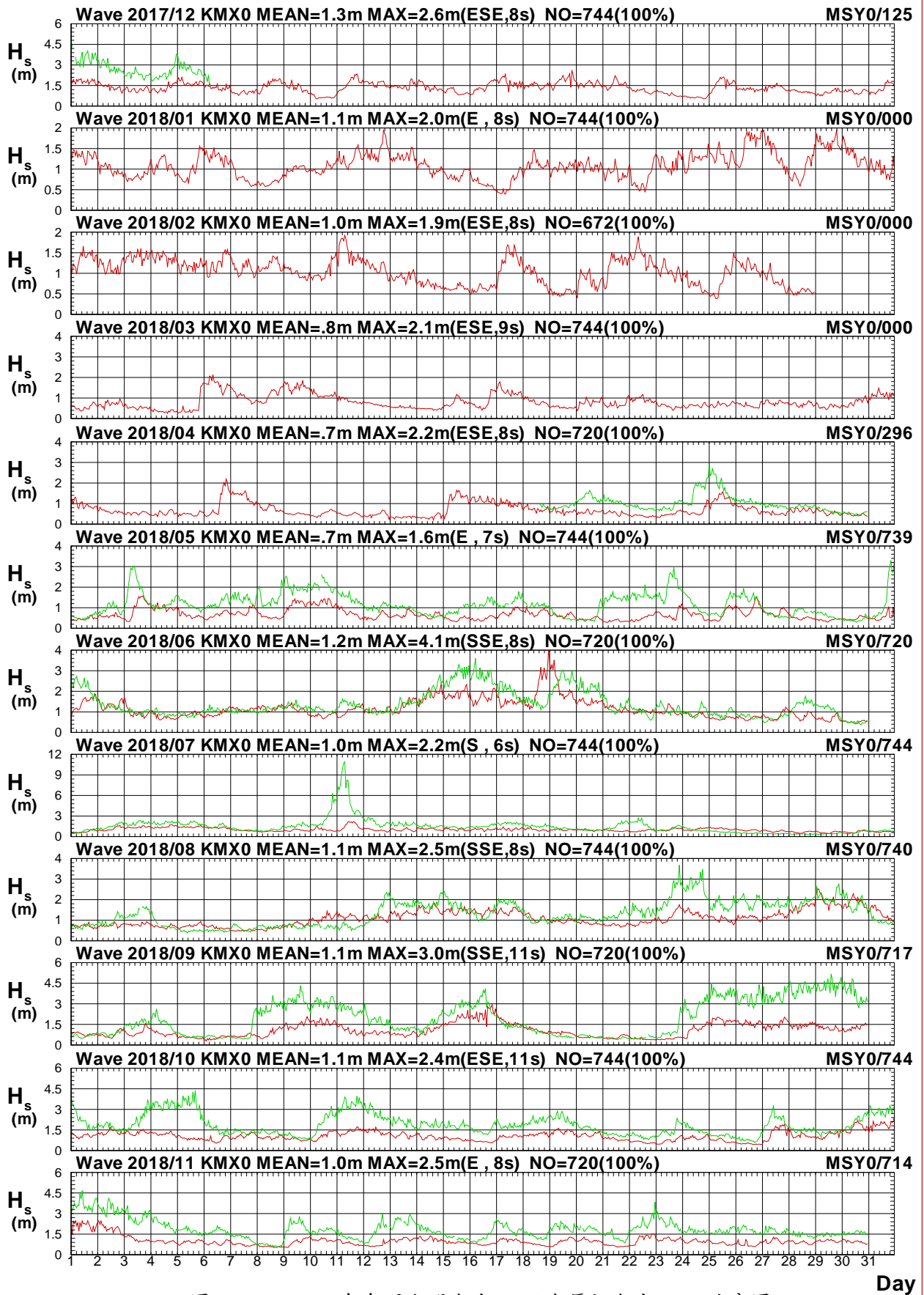


圖2.4.4a 2018年每月金門海域 X 站與馬祖海域 Y 站波高圖

V17CKMX0.1HA V17CMSY0.1H0 V181KMX0.1HA V181MSY0.1H0 V182KMX0.1HA V182MSY0.1H0
 V183KMX0.1HA V183MSY0.1H0 V184KMX0.1HA V184MSY0.1H0 V185KMX0.1HA V185MSY0.1H0

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Wave T_p in Kin-Men Harbor of KMX0 at 2018

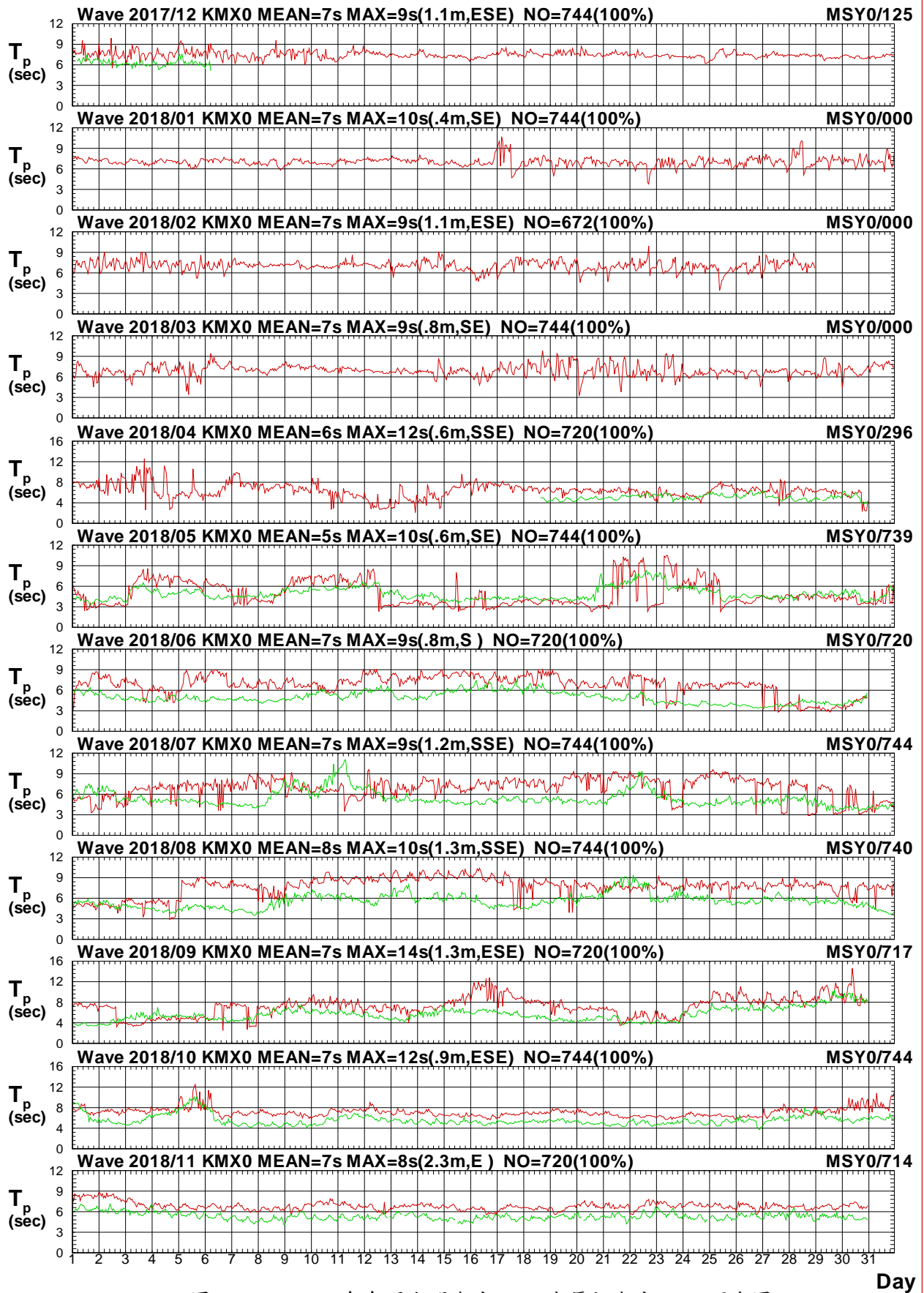


圖2.4.4b 2018年每月金門海域 X 站與馬祖海域 Y 站週期圖

V17CKMX0.1HA V17CMSY0.1H0 V181KMX0.1HA V181MSY0.1H0 V182KMX0.1HA V182MSY0.1H0
 V183KMX0.1HA V183MSY0.1H0 V184KMX0.1HA V184MSY0.1H0 V185KMX0.1HA V185MSY0.1H0

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Wave Direction in Kin-Men Harbor of KMX0 at 2018

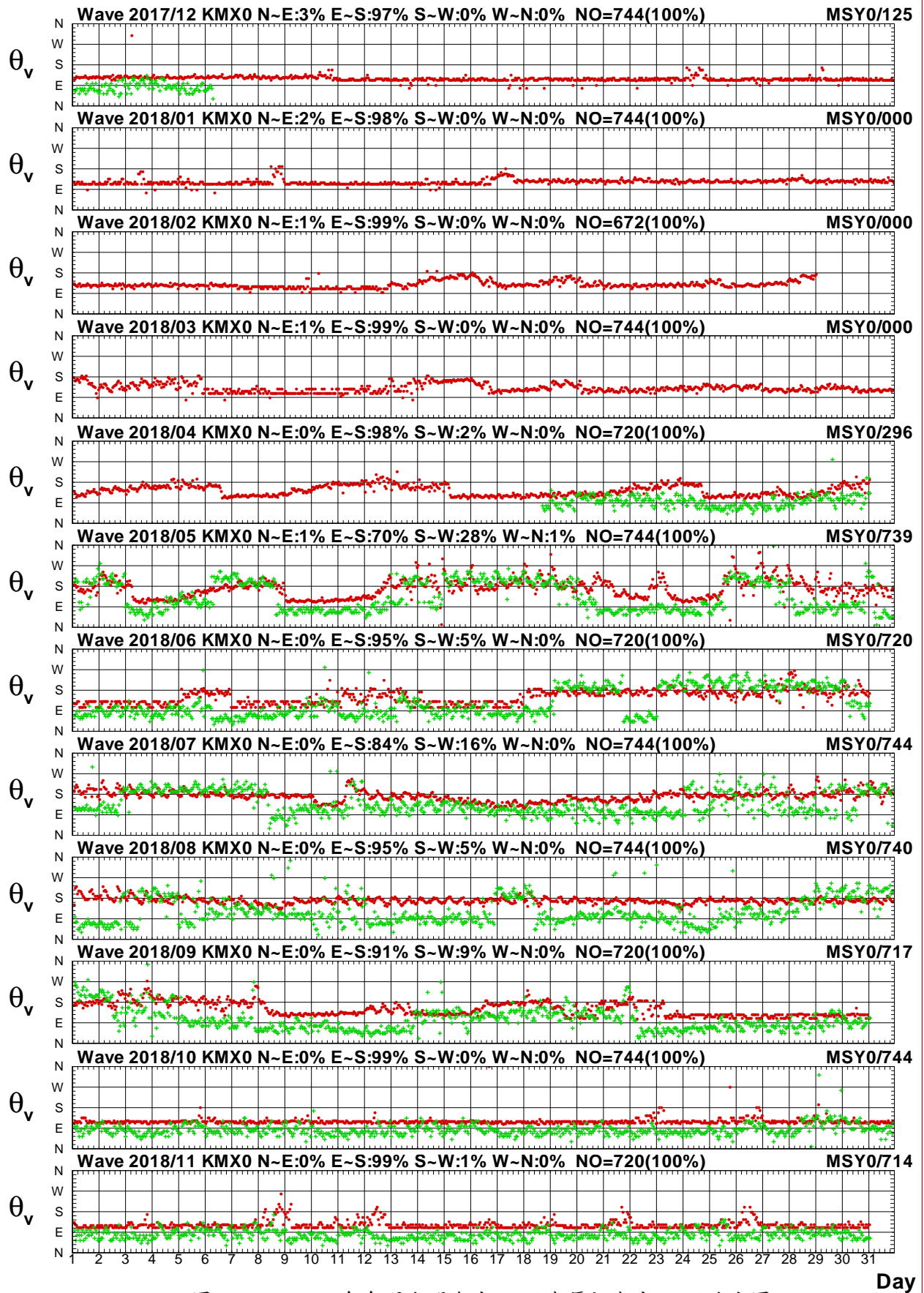


圖2.4.4c 2018年每月金門海域 X 站與馬祖海域 Y 站波向圖

V17CKMX0.1HA V17CMSY0.1H0 V181KMX0.1HA V181MSY0.1H0 V182KMX0.1HA V182MSY0.1H0
 V183KMX0.1HA V183MSY0.1H0 V184KMX0.1HA V184MSY0.1H0 V185KMX0.1HA V185MSY0.1H0

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Wave H_s in Kin-Men Harbor of KMX0 at 2018

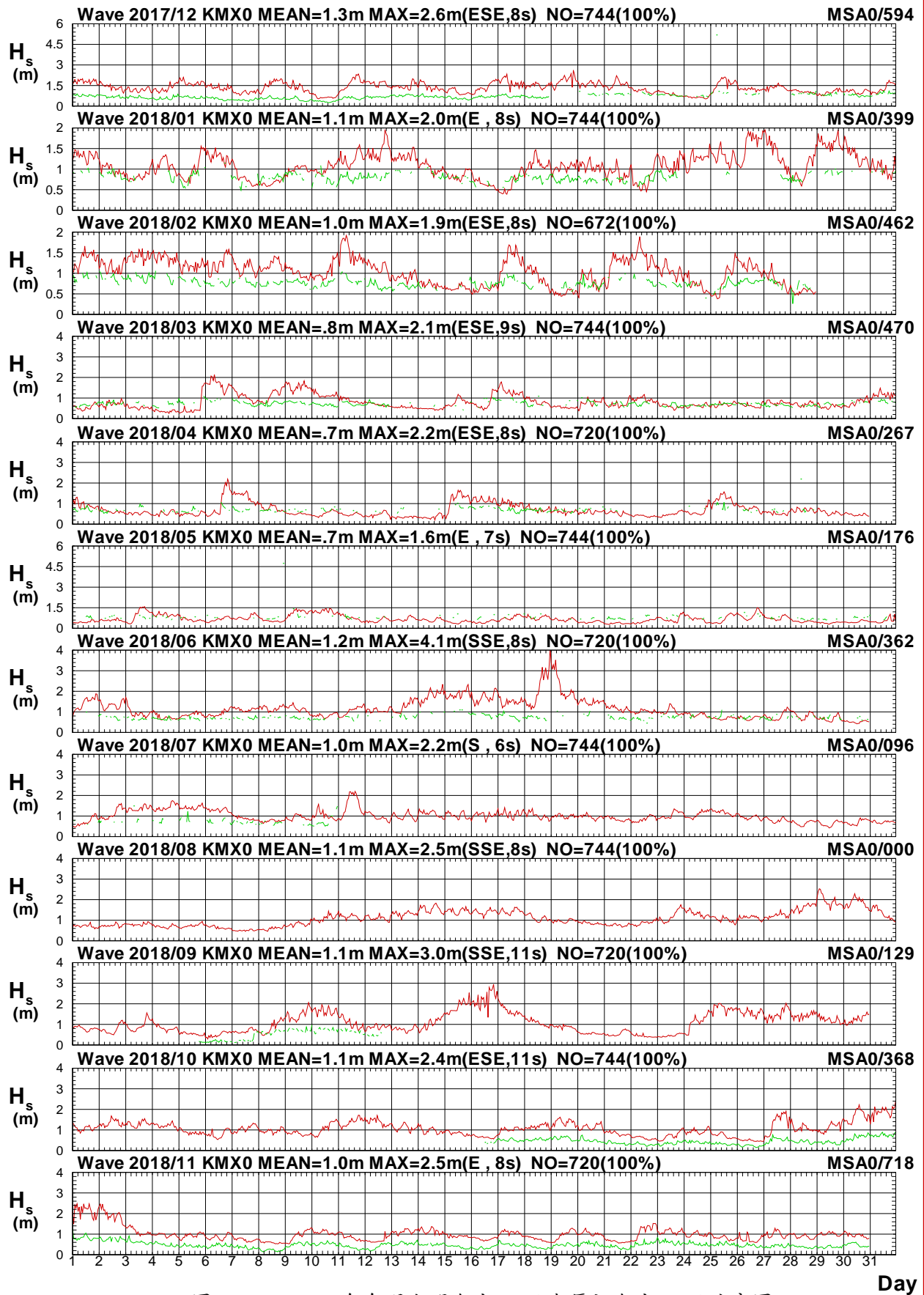


圖2.4.5a 2018年每月金門海域 X 站與馬祖海域 A 站波高圖

V17CKMX0.1HA V17CMSA0.1H0 V181KMX0.1HA V181MSA0.1H0 V182KMX0.1HA V182MSA0.1H0
 V183KMX0.1HA V183MSA0.1H0 V184KMX0.1HA V184MSA0.1H0 V185KMX0.1HA V185MSA0.1H0

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Wave T_p in Kin-Men Harbor of KMX0 at 2018

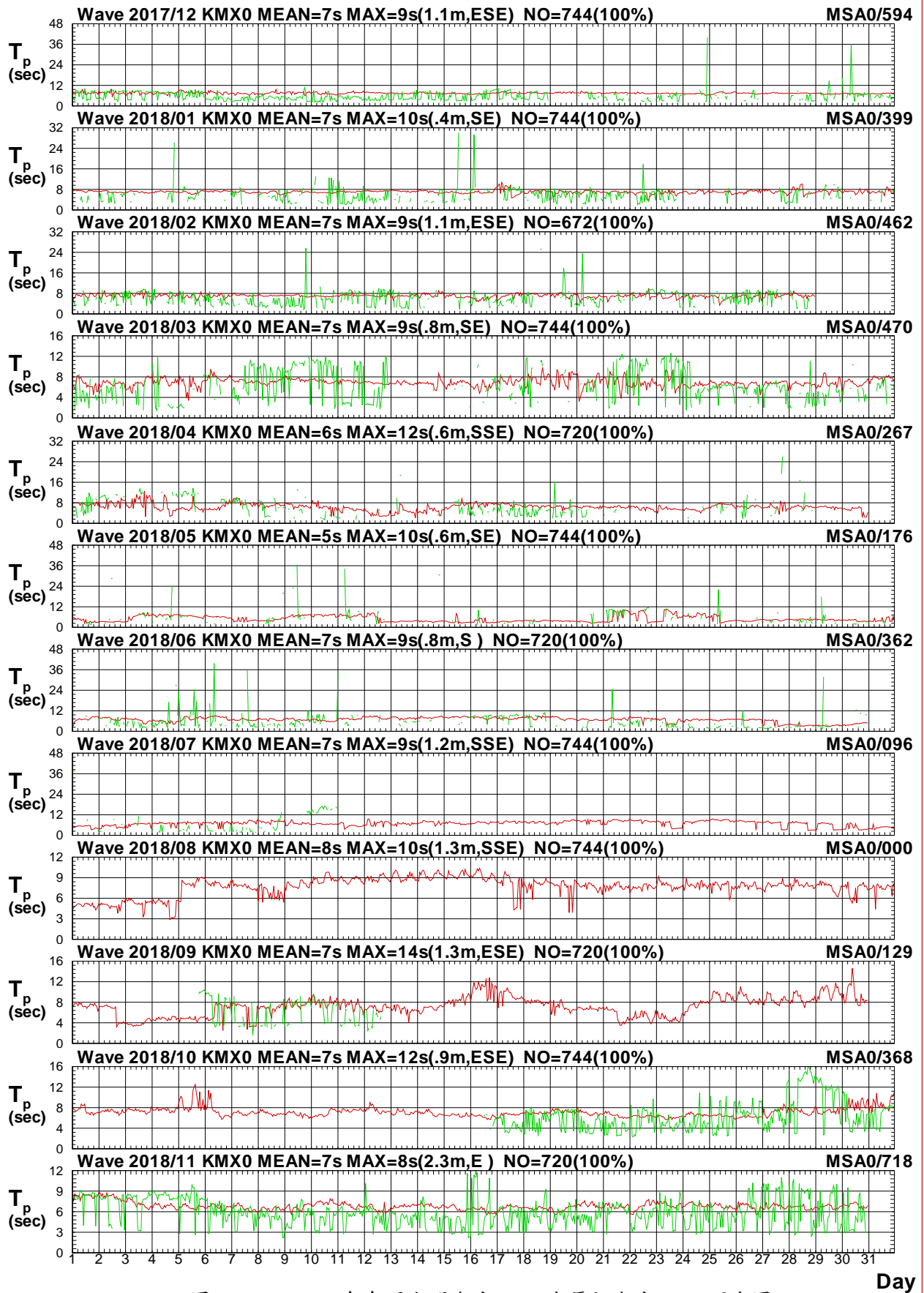


圖2.4.5b 2018年每月金門海域 X 站與馬祖海域 A 站週期圖

V17CKMX0.1HA V17CMSA0.1H0 V181KMX0.1HA V181MSA0.1H0 V182KMX0.1HA V182MSA0.1H0
 V183KMX0.1HA V183MSA0.1H0 V184KMX0.1HA V184MSA0.1H0 V185KMX0.1HA V185MSA0.1H0

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Wave Direction in Kin-Men Harbor of KMX0 at 2018

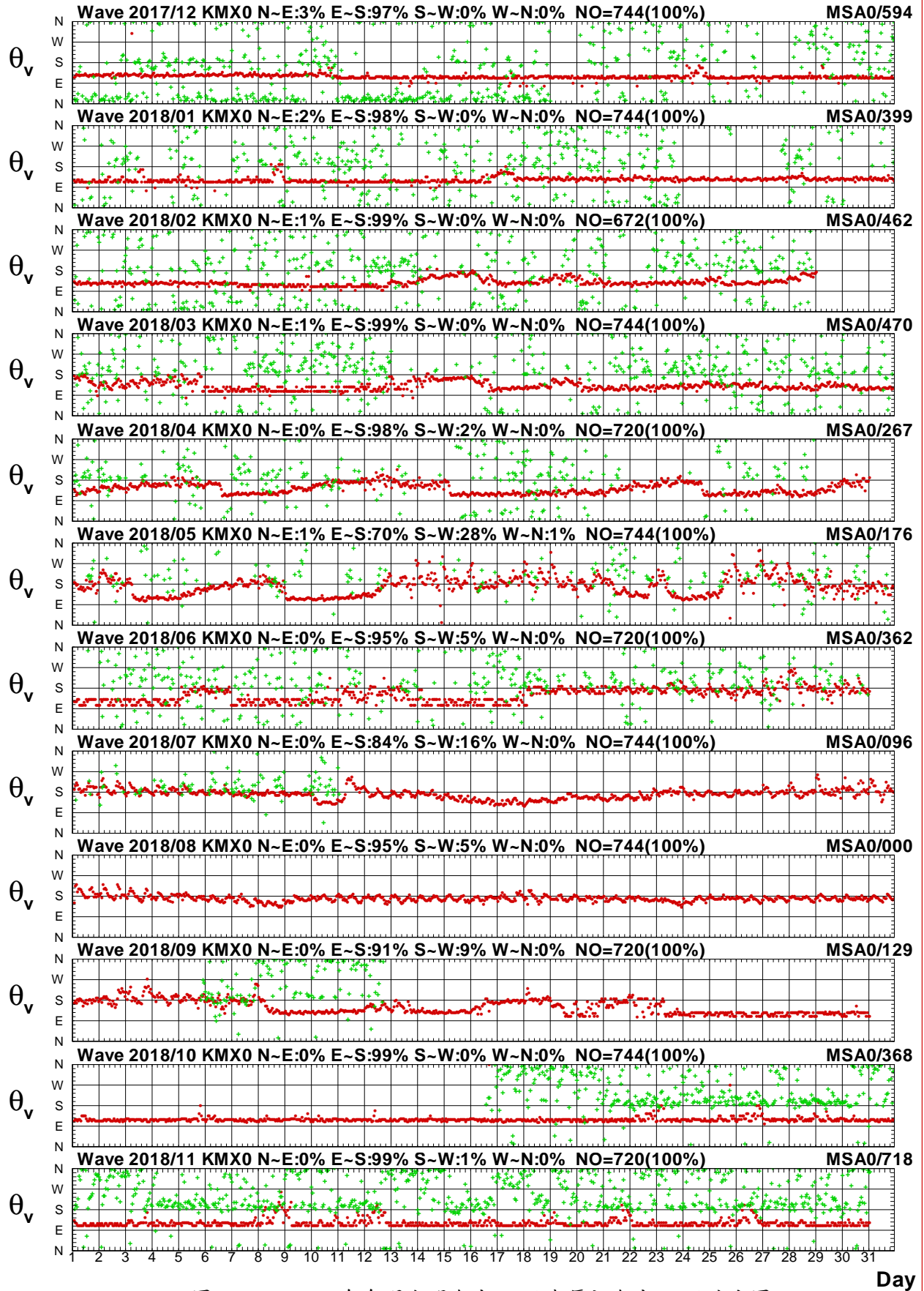


圖2.4.5c 2018年每月金門海域 X 站與馬祖海域 A 站波向圖

V17CKMX0.1HA V17CMSA0.1H0 V181KMX0.1HA V181MSA0.1H0 V182KMX0.1HA V182MSA0.1H0
 V183KMX0.1HA V183MSA0.1H0 V184KMX0.1HA V184MSA0.1H0 V185KMX0.1HA V185MSA0.1H0

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Wave H_s in Kin-Men Harbor of KMX0 at 2018

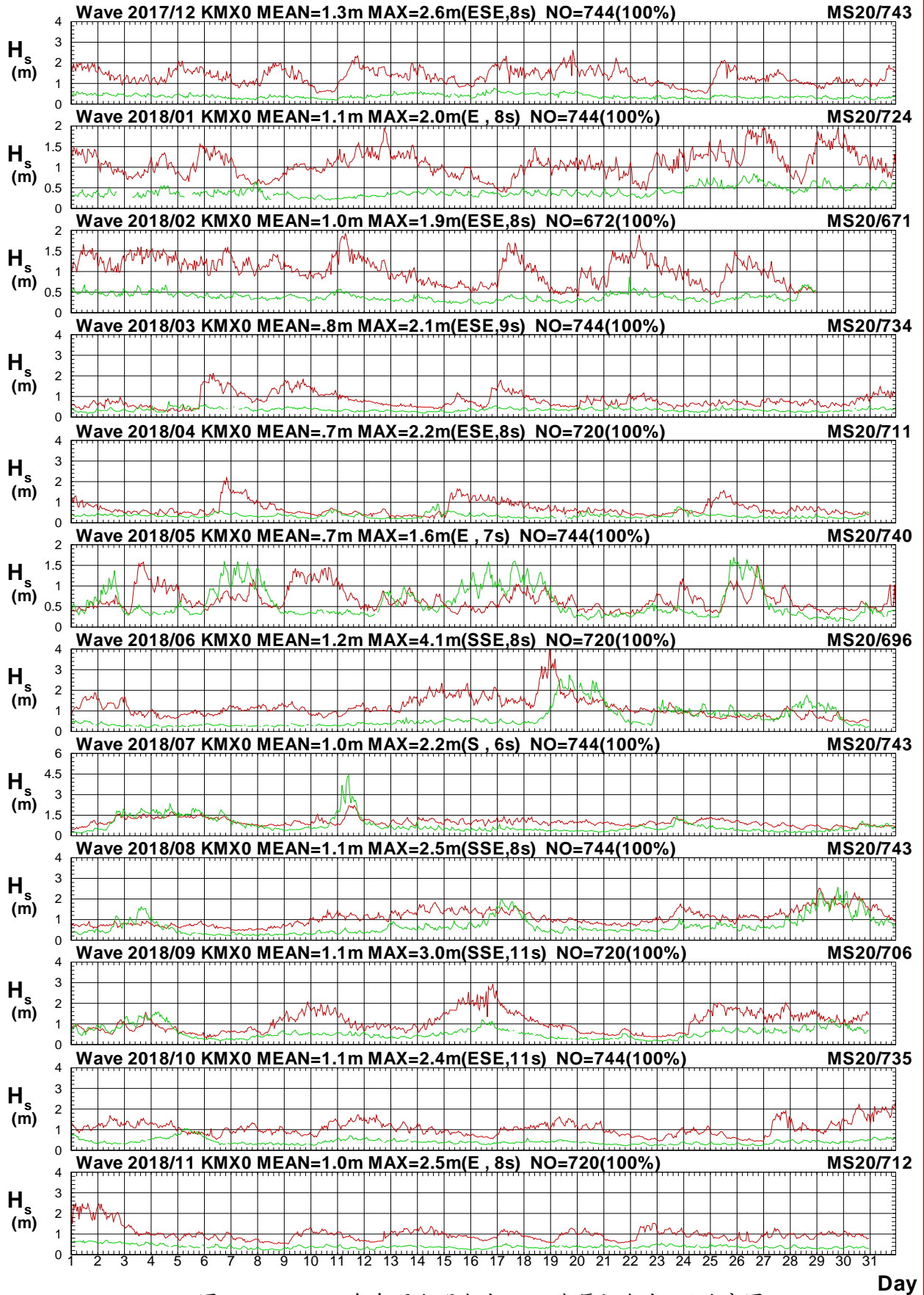


圖 2.4.6a 2018年每月金門海域 X 站與馬祖海域 2 站波高圖

V17CKMX0.1HA V17CMS20.1H0 V181KMX0.1HA V181MS20.1H0 V182KMX0.1HA V182MS20.1H0
 V183KMX0.1HA V183MS20.1H0 V184KMX0.1HA V184MS20.1H0 V185KMX0.1HA V185MS20.1H0

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Wave T_p in Kin-Men Harbor of KMX0 at 2018

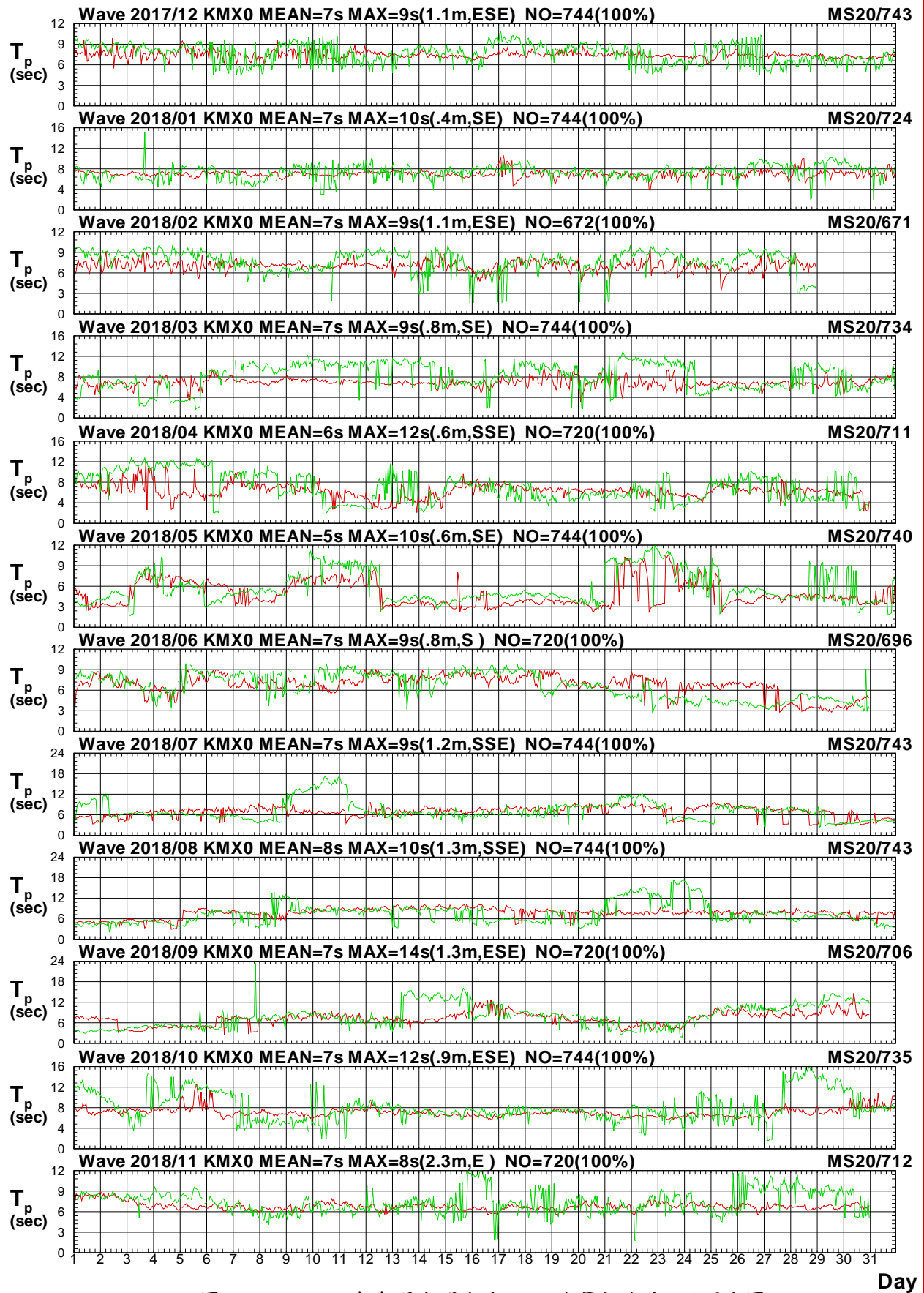


圖2.4.6b 2018年每月金門海域 X 站與馬祖海域2站週期圖

V17CKMX0.1HA V17CMS20.1H0 V181KMX0.1HA V181MS20.1H0 V182KMX0.1HA V182MS20.1H0
 V183KMX0.1HA V183MS20.1H0 V184KMX0.1HA V184MS20.1H0 V185KMX0.1HA V185MS20.1H0

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Wave Direction in Kin-Men Harbor of KMX0 at 2018

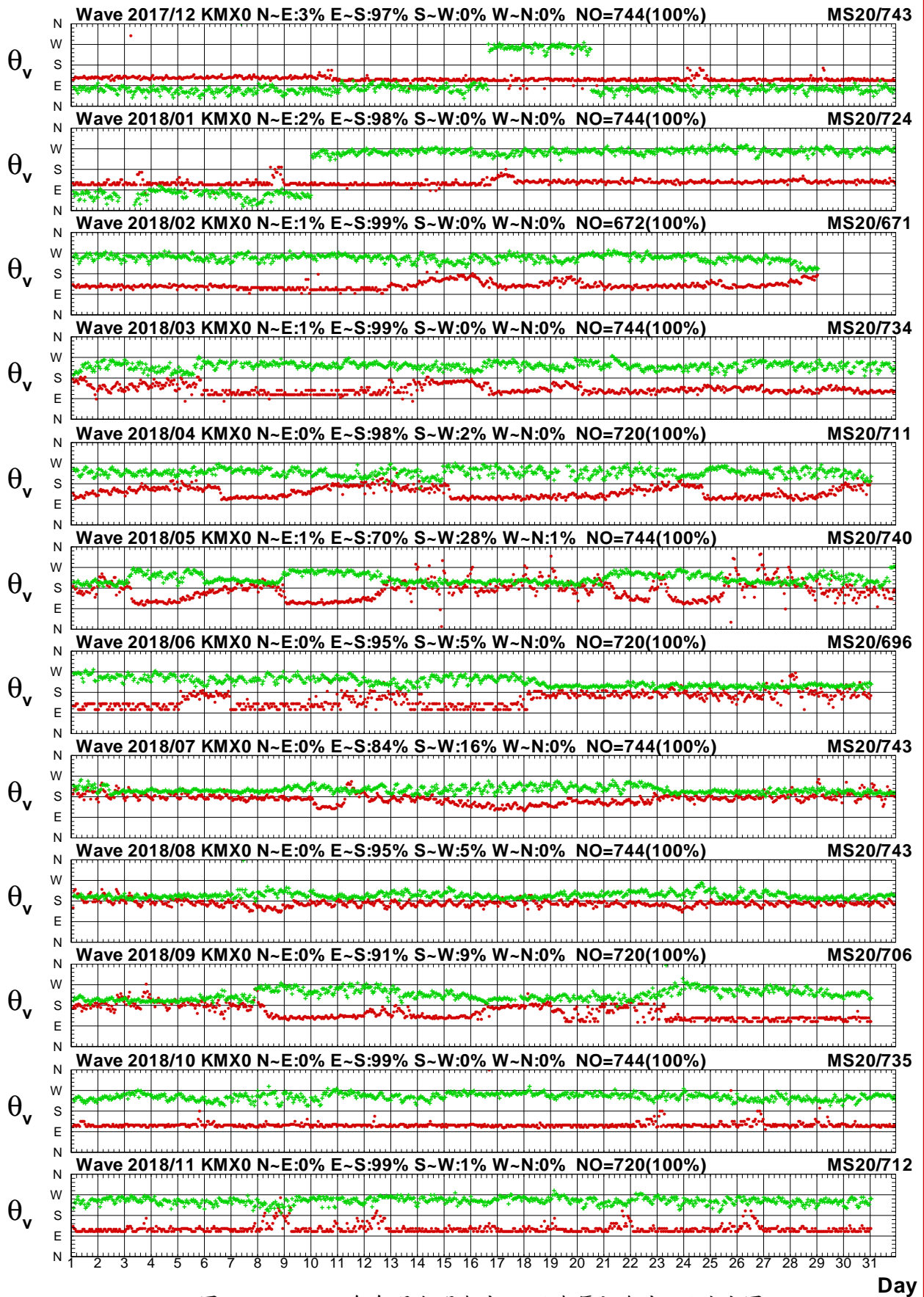


圖2.4.6c 2018年每月金門海域 X 站與馬祖海域2站波向圖

V17CKMX0.1HA V17CMS20.1H0 V181KMX0.1HA V181MS20.1H0 V182KMX0.1HA V182MS20.1H0
 V183KMX0.1HA V183MS20.1H0 V184KMX0.1HA V184MS20.1H0 V185KMX0.1HA V185MS20.1H0

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Wave H_s in Kin-Men Harbor of KMX0 at 2018

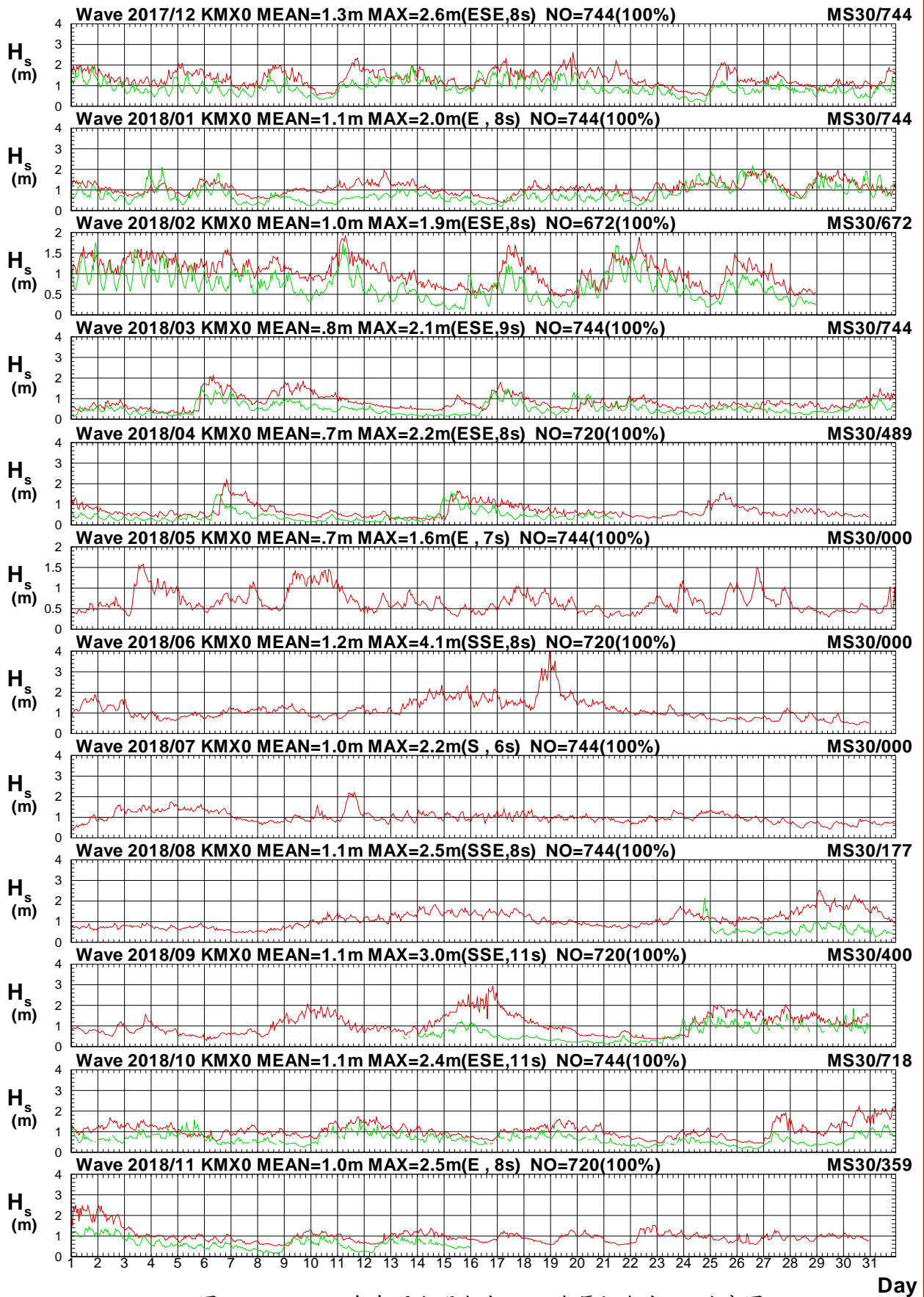


圖2.4.7a 2018年每月金門海域 X 站與馬祖海域3站波高圖

V17CKMX0.1HA V17CMS30.1H0 V181KMX0.1HA V181MS30.1H0 V182KMX0.1HA V182MS30.1H0
 V183KMX0.1HA V183MS30.1H0 V184KMX0.1HA V184MS30.1H0 V185KMX0.1HA V185MS30.1H0

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Wave T_p in Kin-Men Harbor of KMX0 at 2018

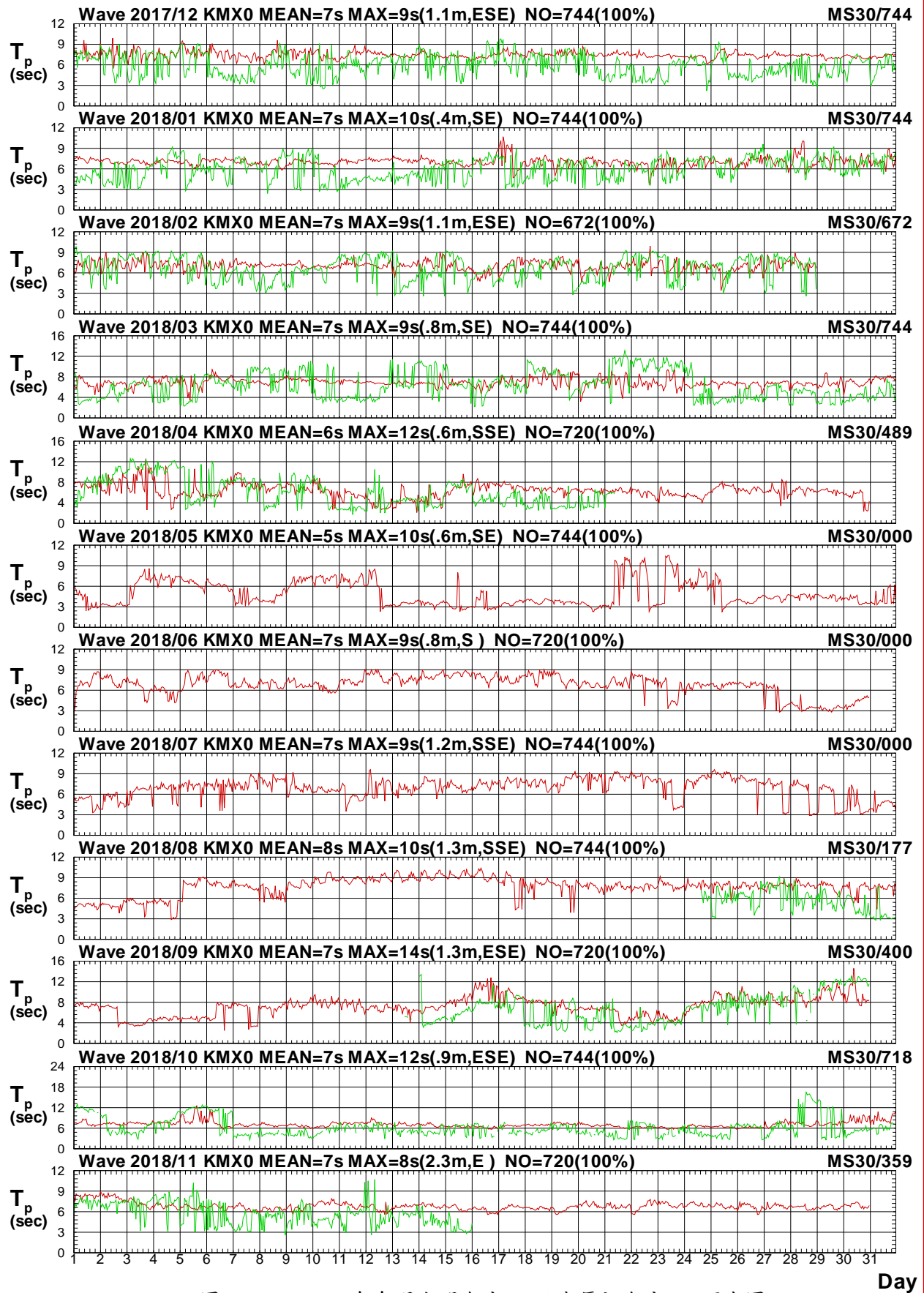


圖2.4.7b 2018年每月金門海域 X 站與馬祖海域3站週期圖

V17CKMX0.1HA V17CMS30.1H0 V181KMX0.1HA V181MS30.1H0 V182KMX0.1HA V182MS30.1H0
 V183KMX0.1HA V183MS30.1H0 V184KMX0.1HA V184MS30.1H0 V185KMX0.1HA V185MS30.1H0

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Wave Direction in Kin-Men Harbor of KMX0 at 2018

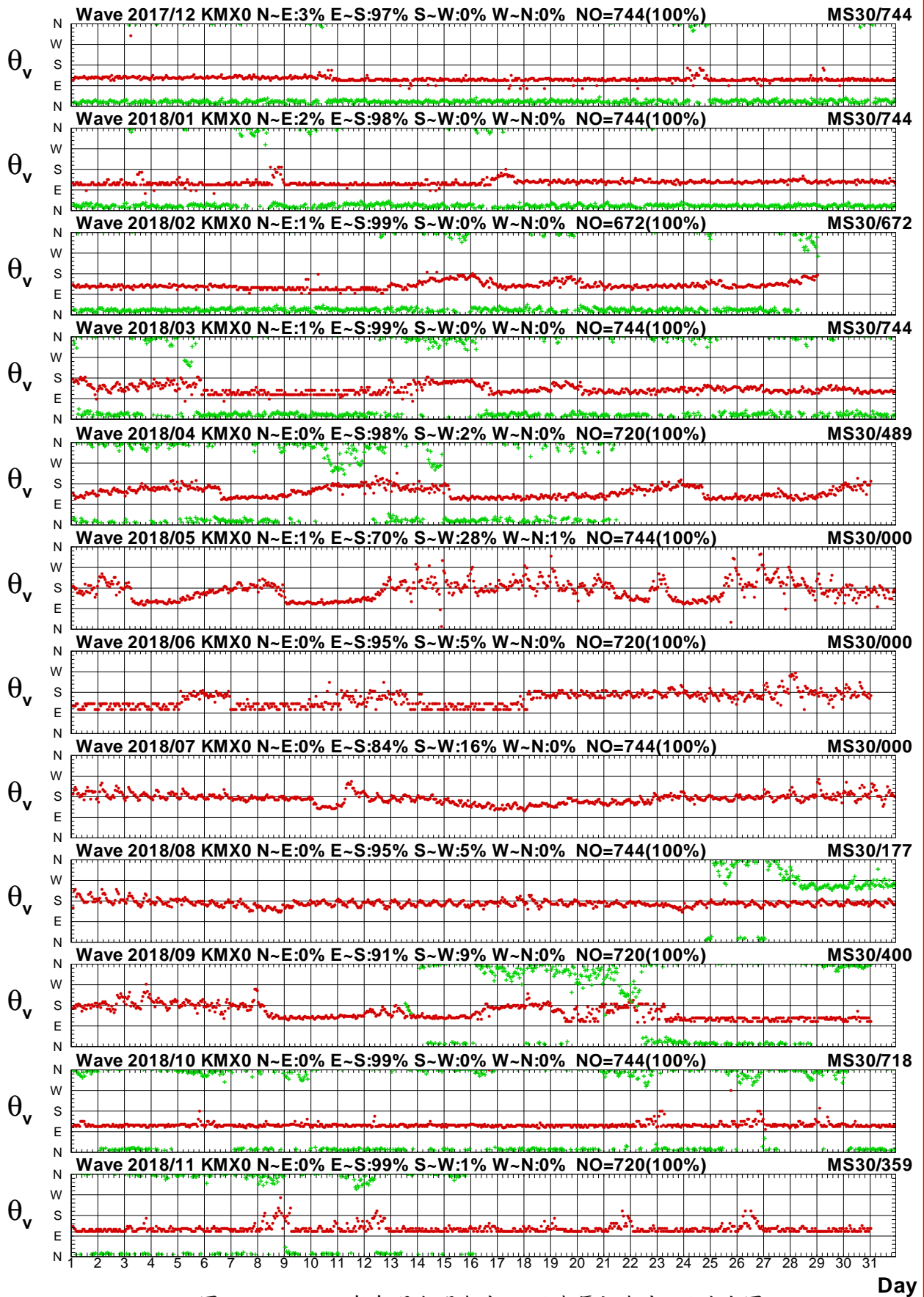


圖2.4.7c 2018年每月金門海域 X 站與馬祖海域3站波向圖

V17CKMX0.1HA V17CMS30.1H0 V181KMX0.1HA V181MS30.1H0 V182KMX0.1HA V182MS30.1H0
 V183KMX0.1HA V183MS30.1H0 V184KMX0.1HA V184MS30.1H0 V185KMX0.1HA V185MS30.1H0

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Wave H_s in Kin-Men Harbor of KMX0 at 2018

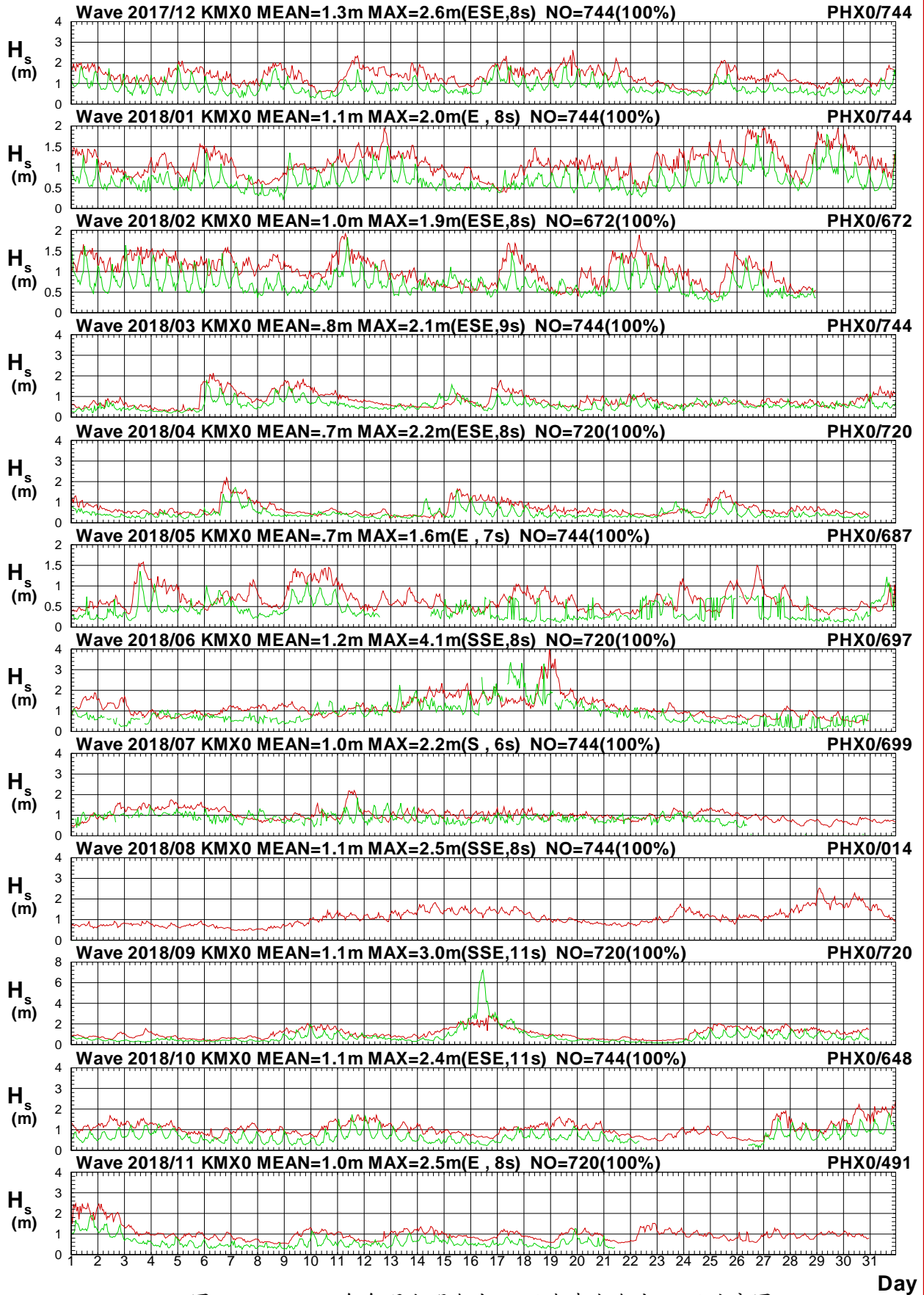


圖2.4.8a 2018年每月金門海域 X 站與澎湖海域 X 站波高圖

V17CKMX0.1HA V17CPHX0.1H0 V181KMX0.1HA V181PHX0.1H0 V182KMX0.1HA V182PHX0.1H0
 V183KMX0.1HA V183PHX0.1H0 V184KMX0.1HA V184PHX0.1H0 V185KMX0.1HA V185PHX0.1H0

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Wave T_p in Kin-Men Harbor of KMX0 at 2018

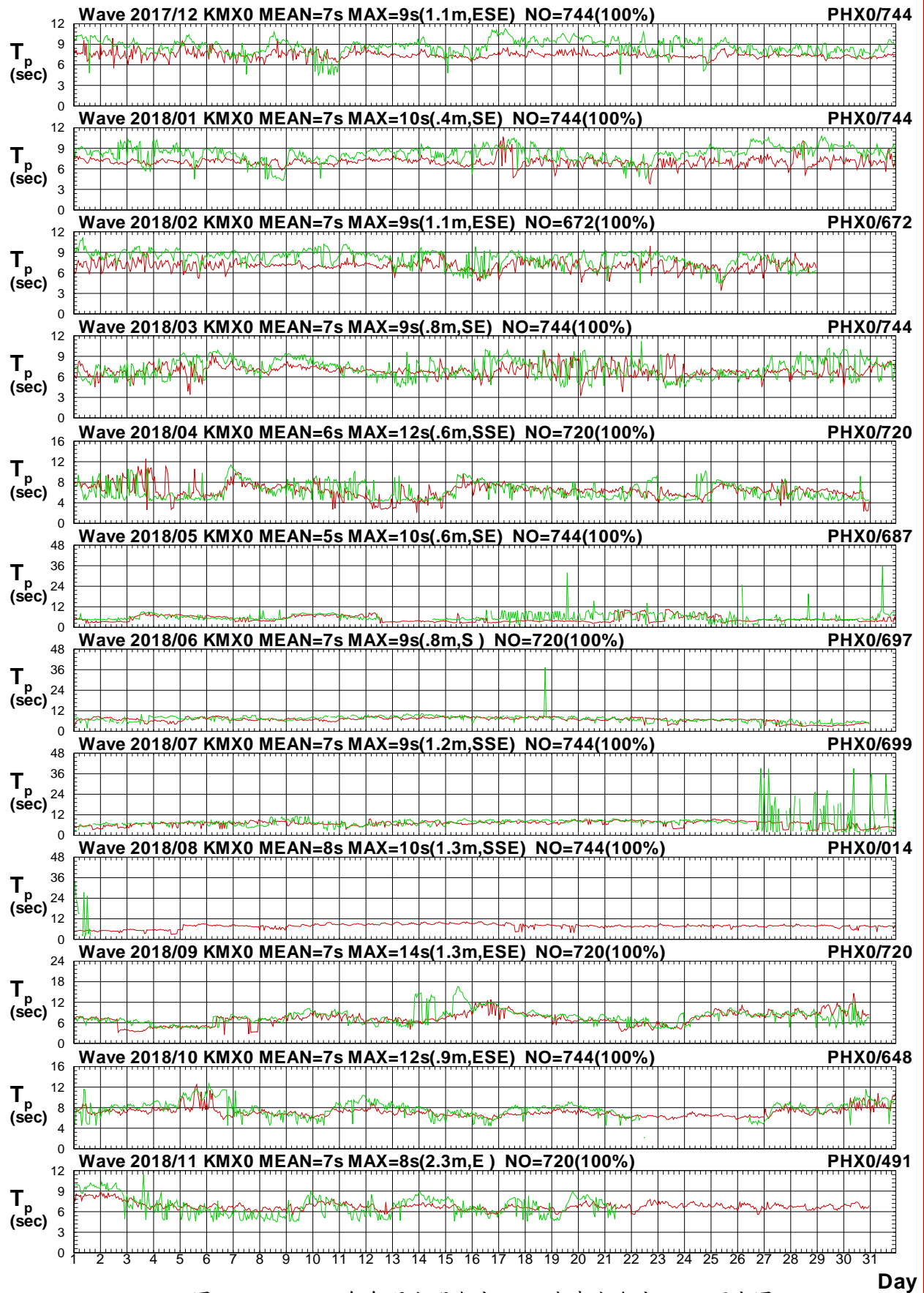


圖2.4.8b 2018年每月金門海域 X 站與澎湖海域 X 站週期圖

V17CKMX0.1HA V17CPHX0.1H0 V181KMX0.1HA V181PHX0.1H0 V182KMX0.1HA V182PHX0.1H0
 V183KMX0.1HA V183PHX0.1H0 V184KMX0.1HA V184PHX0.1H0 V185KMX0.1HA V185PHX0.1H0

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Wave Direction in Kin-Men Harbor of KMX0 at 2018

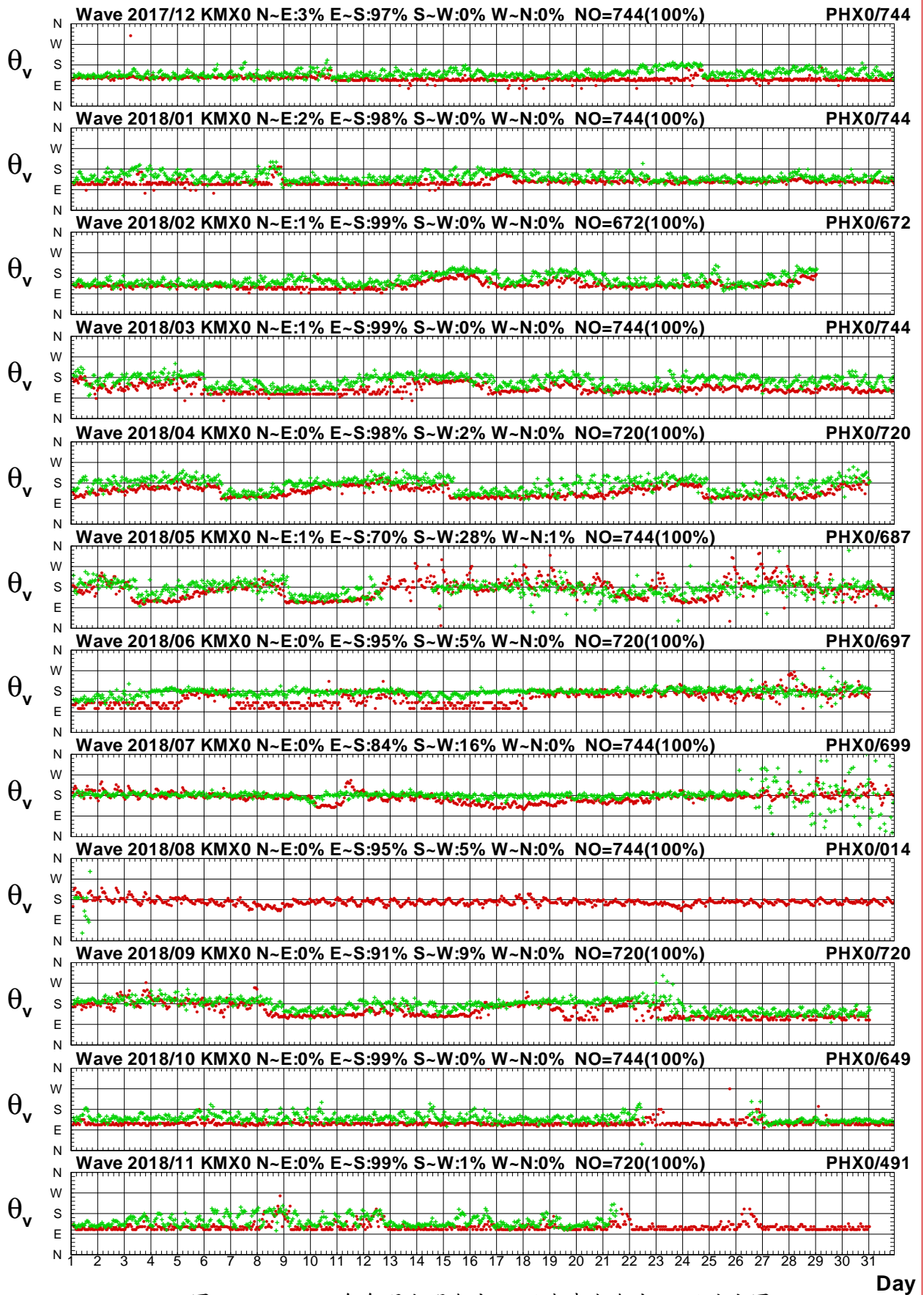


圖2.4.8c 2018年每月金門海域 X 站與澎湖海域 X 站波向圖

V17CKMX0.1HA V17CPHX0.1H0 V181KMX0.1HA V181PHX0.1H0 V182KMX0.1HA V182PHX0.1H0
 V183KMX0.1HA V183PHX0.1H0 V184KMX0.1HA V184PHX0.1H0 V185KMX0.1HA V185PHX0.1H0

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Wave H_s in Kin-Men Harbor of KMX0 at 2018

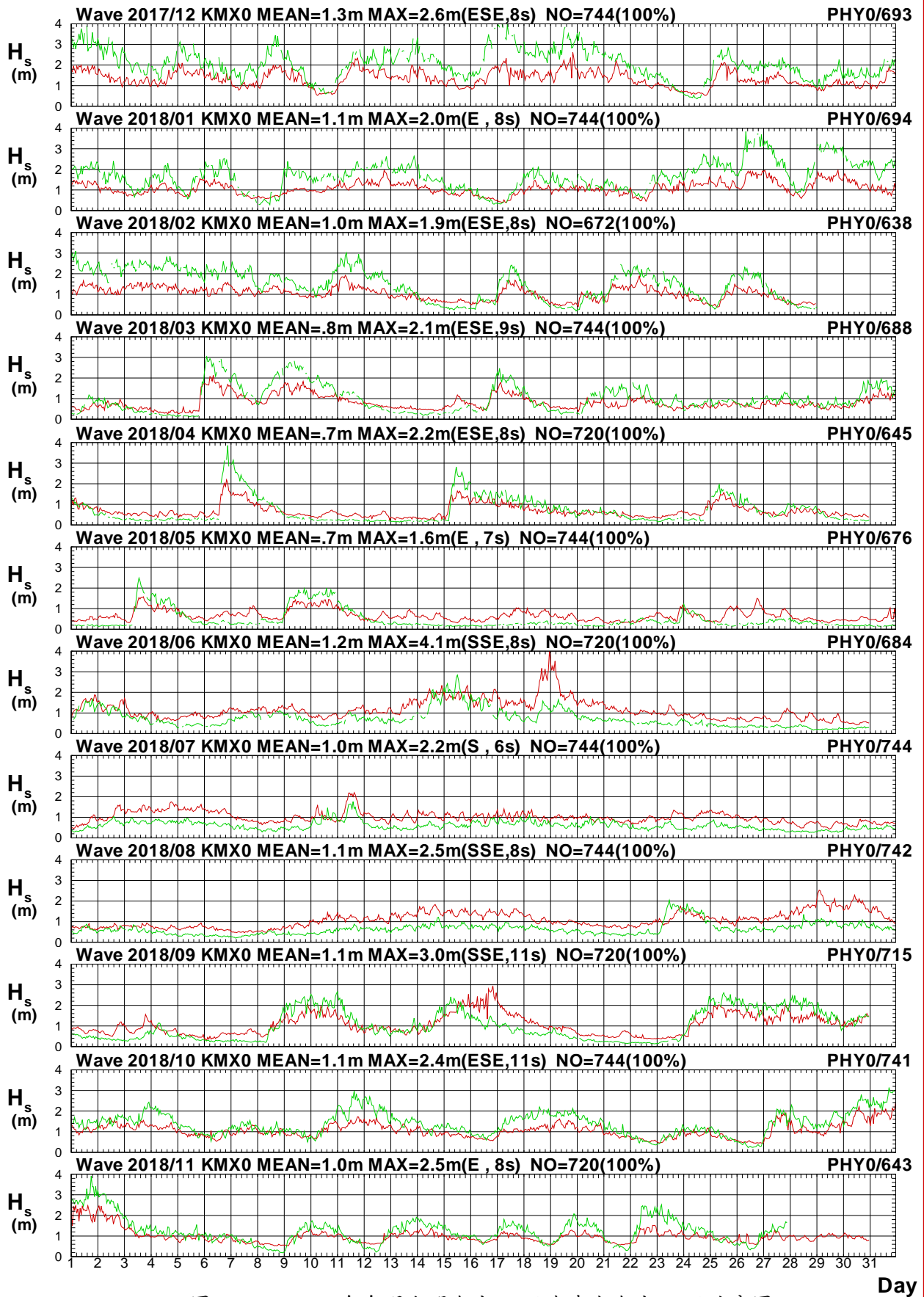


圖2.4.9a 2018年每月金門海域 X 站與澎湖海域 Y 站波高圖

V17CKMX0.1HA V17CPHY0.1H0 V181KMX0.1HA V181PHY0.1H0 V182KMX0.1HA V182PHY0.1H0
 V183KMX0.1HA V183PHY0.1H0 V184KMX0.1HA V184PHY0.1H0 V185KMX0.1HA V185PHY0.1H0

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Wave T_p in Kin-Men Harbor of KMX0 at 2018

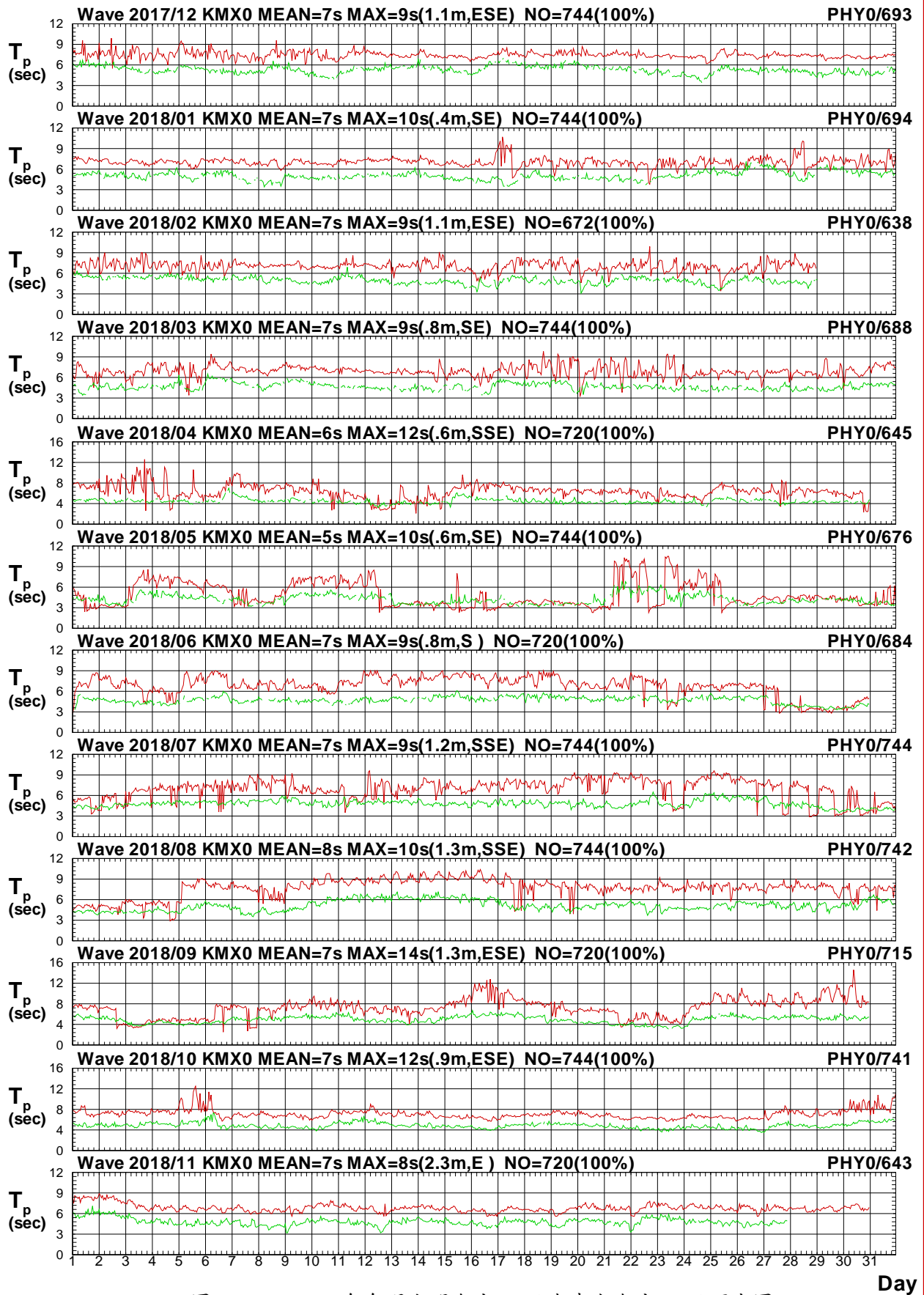


圖2.4.9b 2018年每月金門海域 X 站與澎湖海域 Y 站週期圖

V17CKMX0.1HA V17CPHY0.1H0 V181KMX0.1HA V181PHY0.1H0 V182KMX0.1HA V182PHY0.1H0
 V183KMX0.1HA V183PHY0.1H0 V184KMX0.1HA V184PHY0.1H0 V185KMX0.1HA V185PHY0.1H0

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Wave Direction in Kin-Men Harbor of KMX0 at 2018

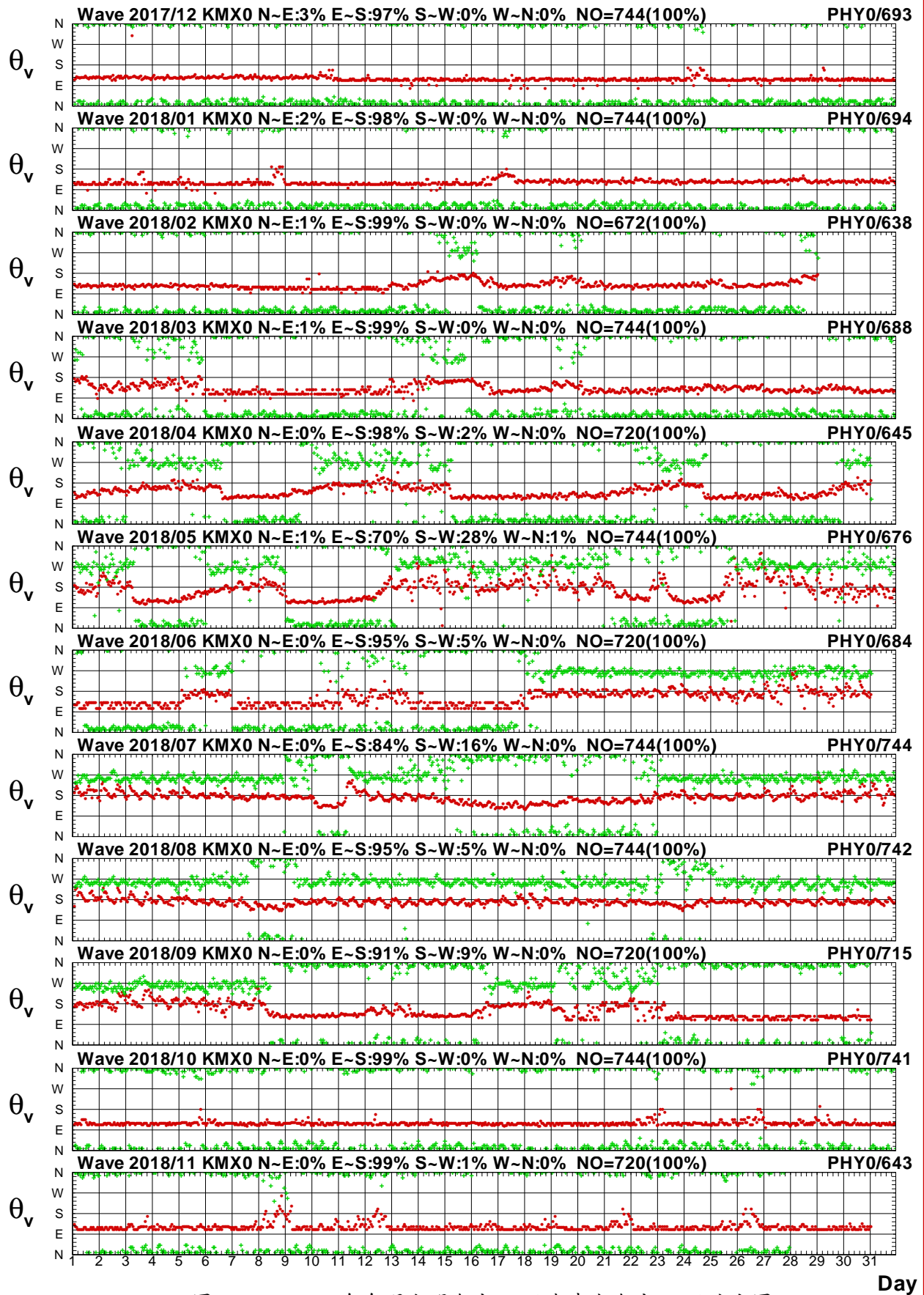


圖2.4.9c 2018年每月金門海域 X 站與澎湖海域 Y 站波向圖

V17CKMX0.1HA V17CPHY0.1H0 V181KMX0.1HA V181PHY0.1H0 V182KMX0.1HA V182PHY0.1H0
 V183KMX0.1HA V183PHY0.1H0 V184KMX0.1HA V184PHY0.1H0 V185KMX0.1HA V185PHY0.1H0

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Wave H_s in Kin-Men Harbor of KMX0 at 2018

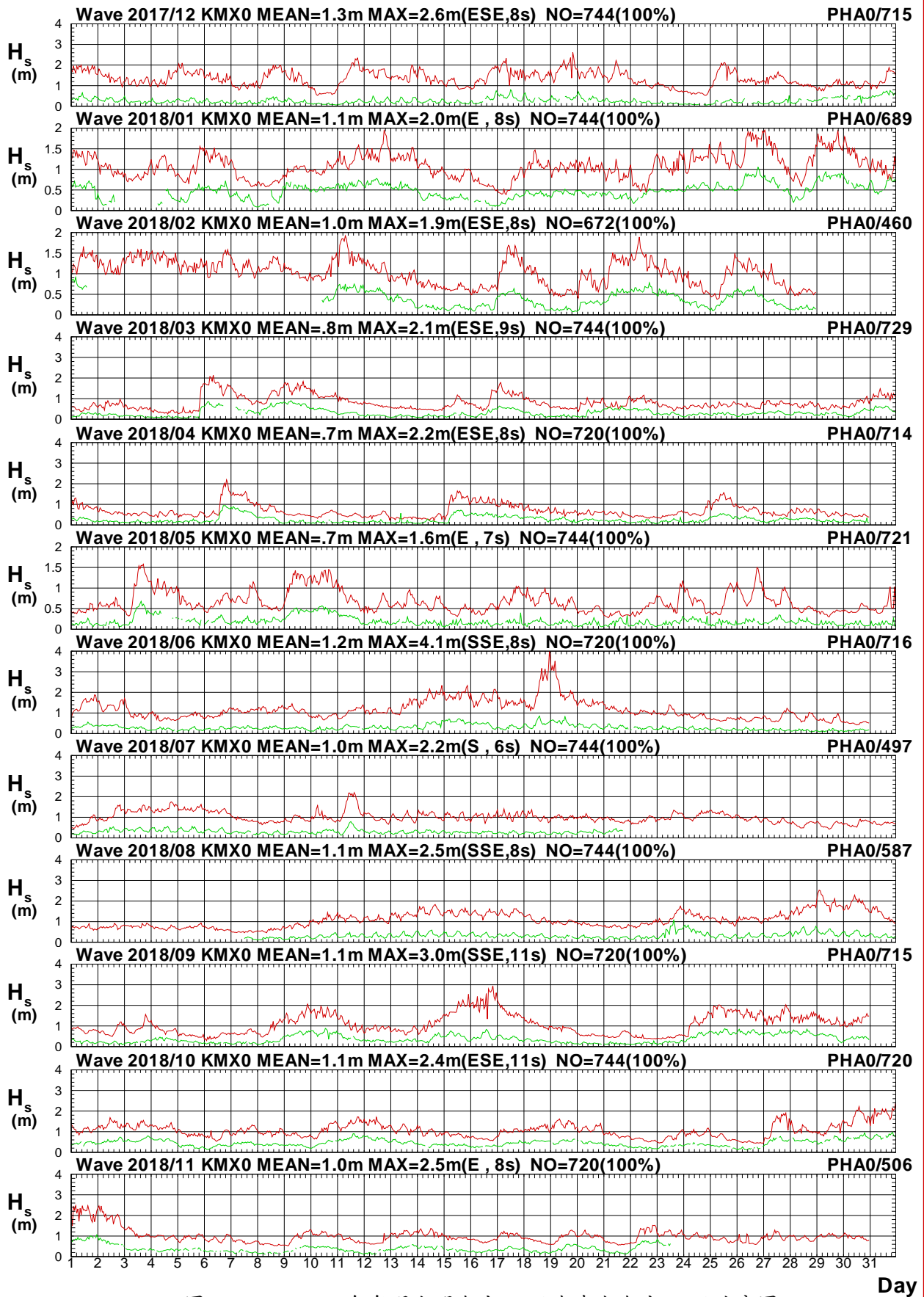


圖 2.4.10a 2018 年每月金門海域 X 站與澎湖海域 A 站波高圖

V17CKMX0.1HA V17CPHA0.1H0 V181KMX0.1HA V181PHA0.1H0 V182KMX0.1HA V182PHA0.1H0
 V183KMX0.1HA V183PHA0.1H0 V184KMX0.1HA V184PHA0.1H0 V185KMX0.1HA V185PHA0.1H0

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Wave T_p in Kin-Men Harbor of KMX0 at 2018

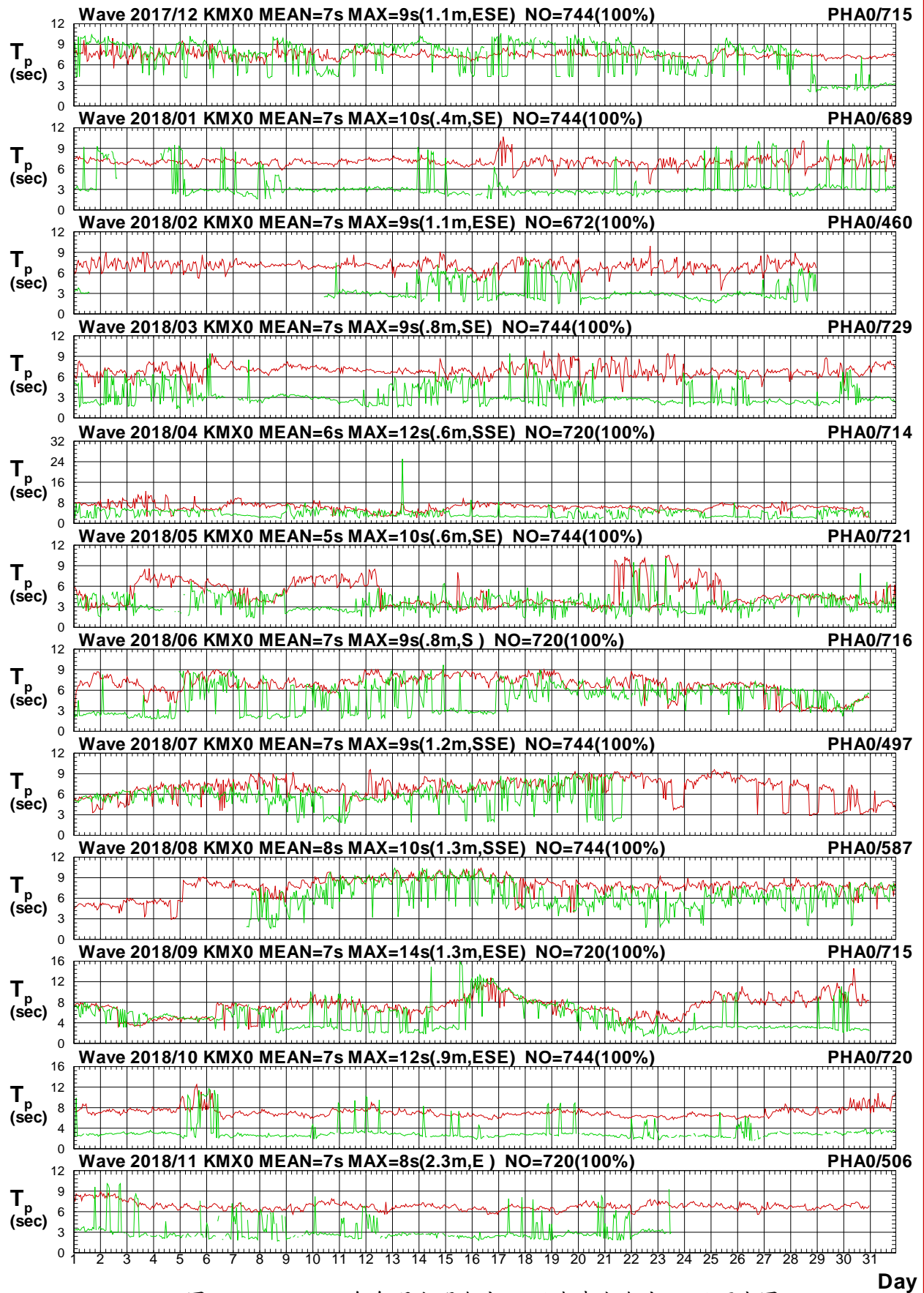


圖2.4.10b 2018年每月金門海域 X 站與澎湖海域 A 站週期圖

V17CKMX0.1HA V17CPHA0.1H0 V181KMX0.1HA V181PHA0.1H0 V182KMX0.1HA V182PHA0.1H0
 V183KMX0.1HA V183PHA0.1H0 V184KMX0.1HA V184PHA0.1H0 V185KMX0.1HA V185PHA0.1H0

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Wave Direction in Kin-Men Harbor of KMX0 at 2018

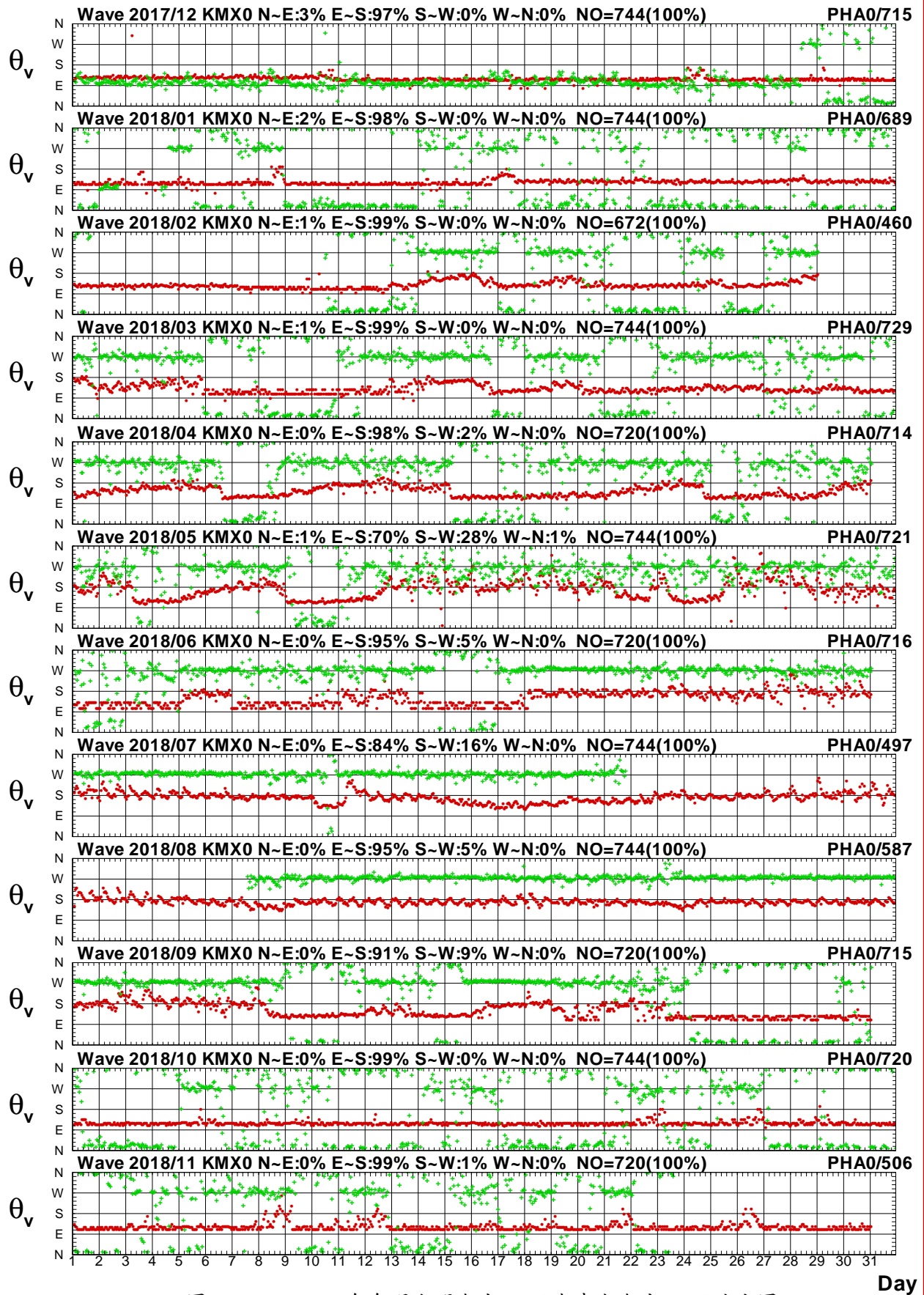


圖2.4.10c 2018年每月金門海域 X 站與澎湖海域 A 站波向圖

V17CKMX0.1HA V17CPHA0.1H0 V181KMX0.1HA V181PHA0.1H0 V182KMX0.1HA V182PHA0.1H0
 V183KMX0.1HA V183PHA0.1H0 V184KMX0.1HA V184PHA0.1H0 V185KMX0.1HA V185PHA0.1H0

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Wave H_s in Kin-Men Harbor of KMX0 at 2018

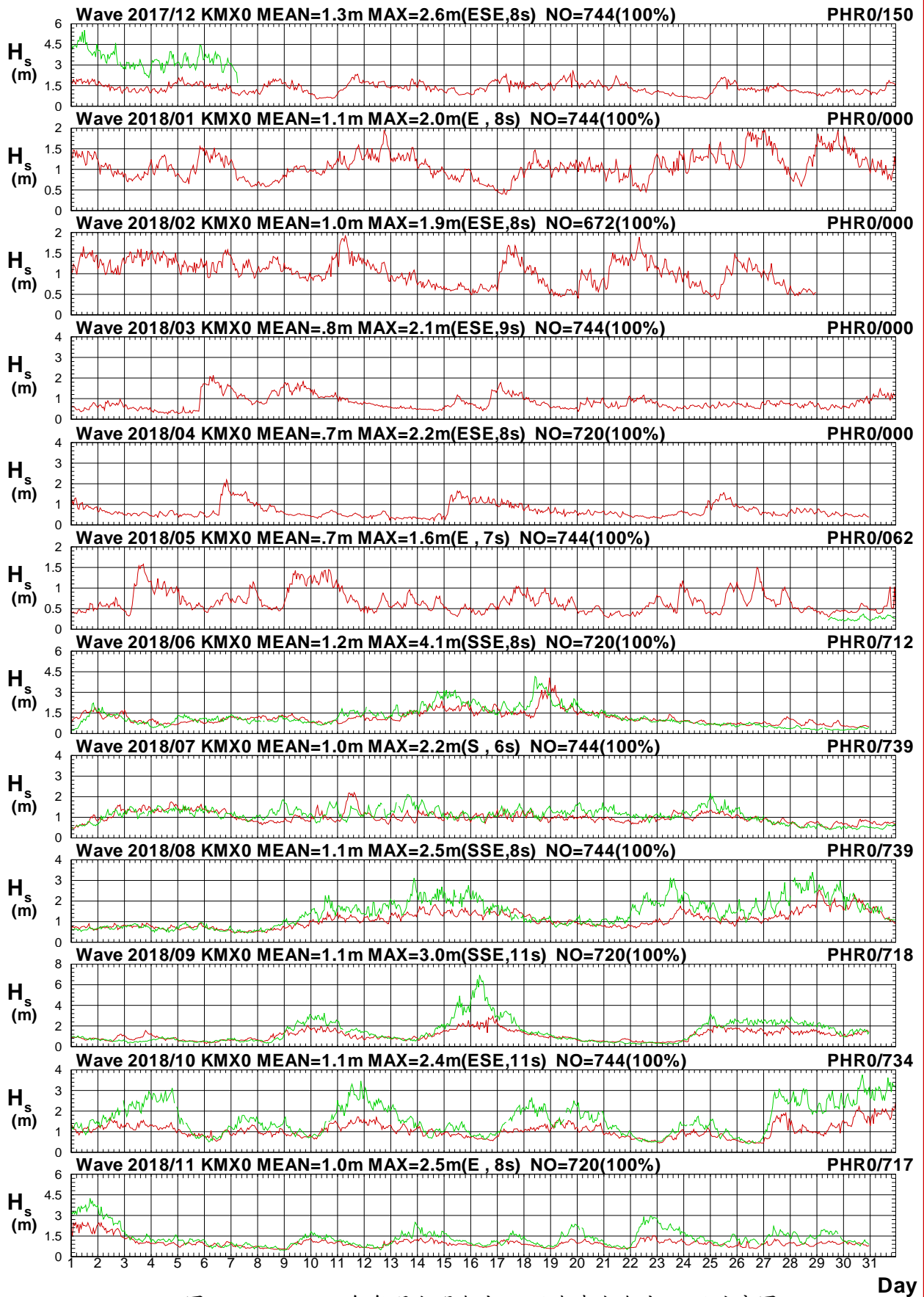


圖2.4.11a 2018年每月金門海域 X 站與澎湖海域 R 站波高圖

V17CKMX0.1HA V17CPHR0.1H0 V181KMX0.1HA V181PHR0.1H0 V182KMX0.1HA V182PHR0.1H0
 V183KMX0.1HA V183PHR0.1H0 V184KMX0.1HA V184PHR0.1H0 V185KMX0.1HA V185PHR0.1H0

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Wave T_p in Kin-Men Harbor of KMX0 at 2018

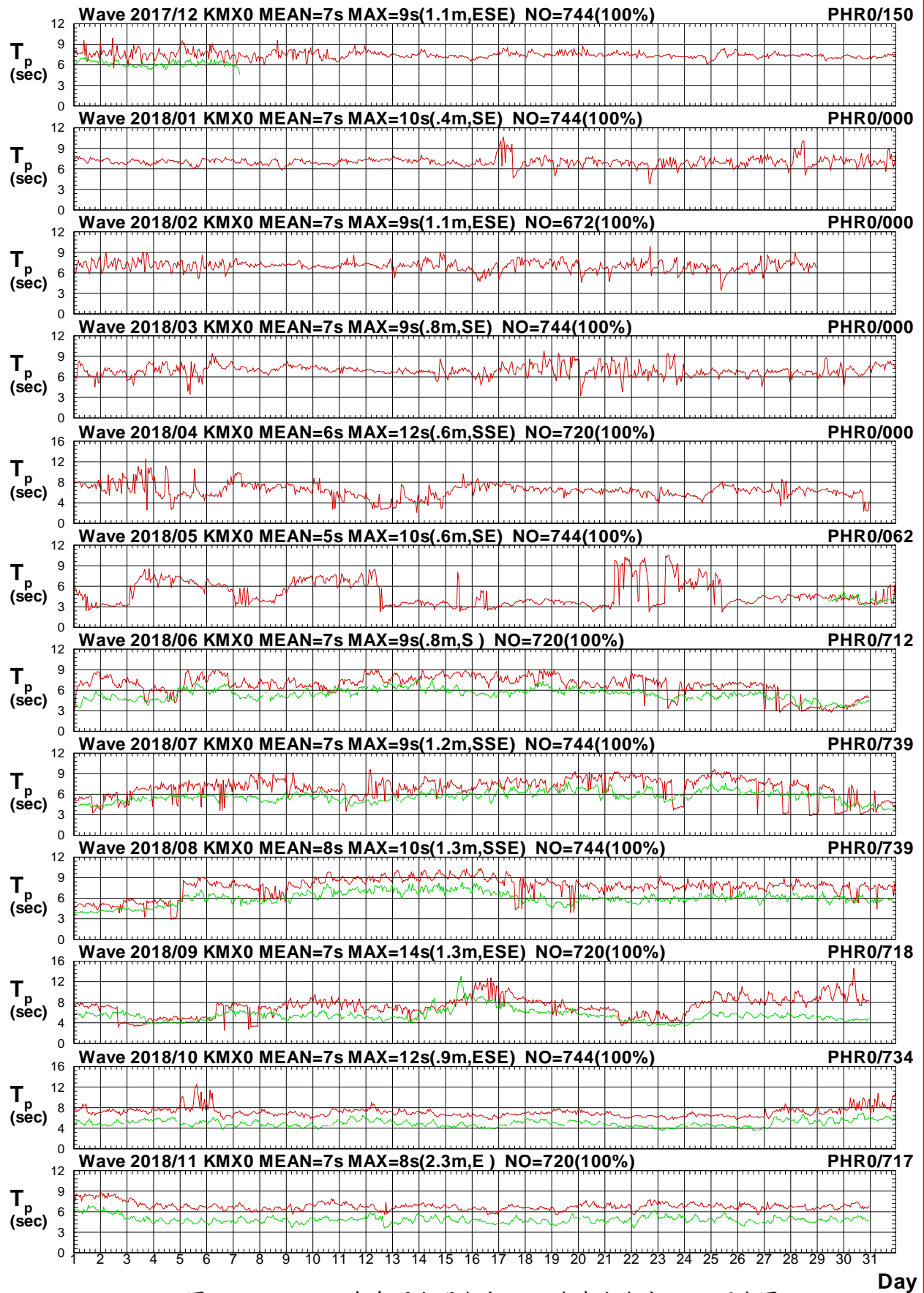


圖2.4.11b 2018年每月金門海域 X 站與澎湖海域 R 站週期圖

V17CKMX0.1HA V17CPHR0.1H0 V181KMX0.1HA V181PHR0.1H0 V182KMX0.1HA V182PHR0.1H0
 V183KMX0.1HA V183PHR0.1H0 V184KMX0.1HA V184PHR0.1H0 V185KMX0.1HA V185PHR0.1H0

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Wave Direction in Kin-Men Harbor of KMX0 at 2018

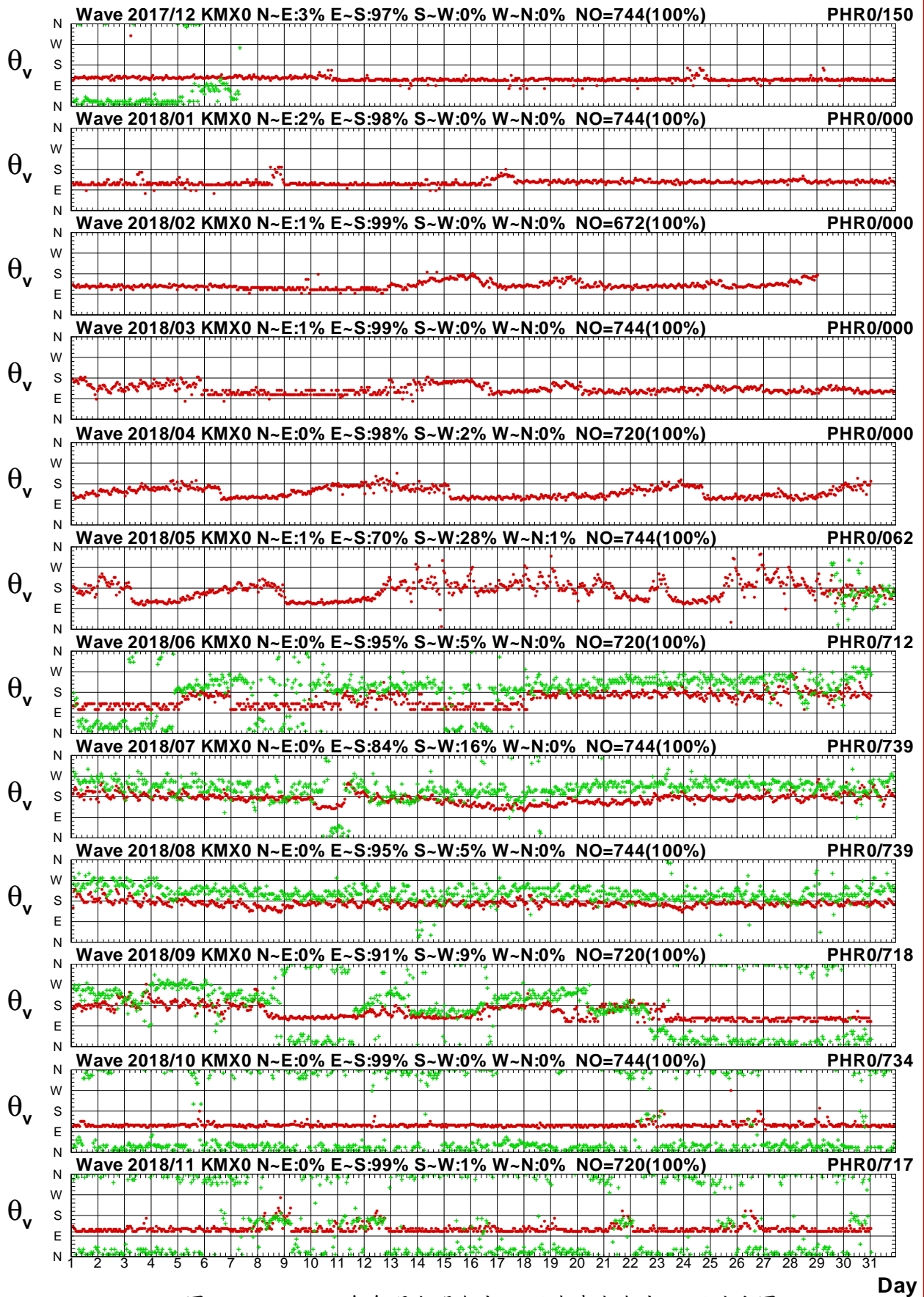


圖2.4.11c 2018年每月金門海域 X 站與澎湖海域 R 站波向圖

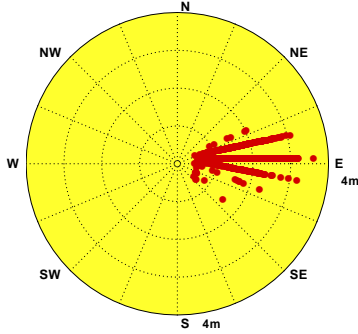
V17CKMX0.1HA V17CPHR0.1H0 V181KMX0.1HA V181PHR0.1H0 V182KMX0.1HA V182PHR0.1H0
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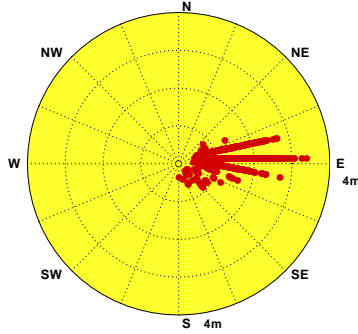
2.5 2018 年金門海域波浪各測站修補前 波浪向量分佈圖

Distribution of H_s Vectors

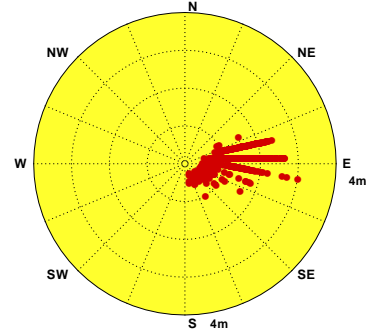
Wave of KMY0 at 2017/12 NO=709(95%)
 Hs : MEAN=1.6m MAX=3.5m(E, 7s)
 N-E:30% E-S:70% S-W:0% W-N:0%



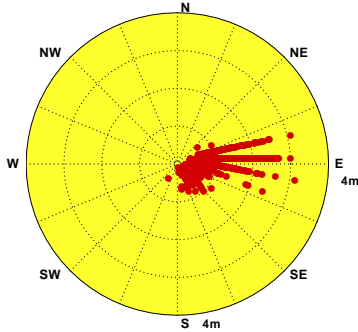
Wave of KMY0 at 2018/01 NO=714(96%)
 Hs : MEAN=1.3m MAX=3.3m(E, 7s)
 N-E:19% E-S:81% S-W:0% W-N:0%



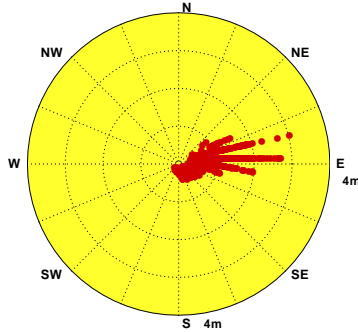
Wave of KMY0 at 2018/02 NO=629(94%)
 Hs : MEAN=1.3m MAX=2.9m(E, 7s)
 N-E:18% E-S:81% S-W:1% W-N:0%



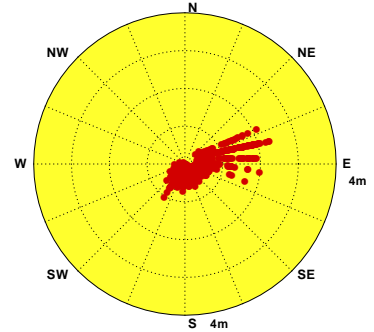
Wave of KMY0 at 2018/03 NO=712(96%)
 Hs : MEAN=.9m MAX=3.0m(E, 7s)
 N-E:12% E-S:87% S-W:1% W-N:0%



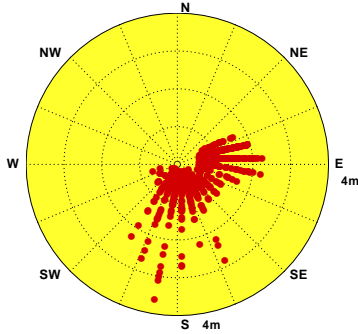
Wave of KMY0 at 2018/04 NO=694(96%)
 Hs : MEAN=.7m MAX=2.9m(ENE,7s)
 N-E:17% E-S:76% S-W:7% W-N:0%



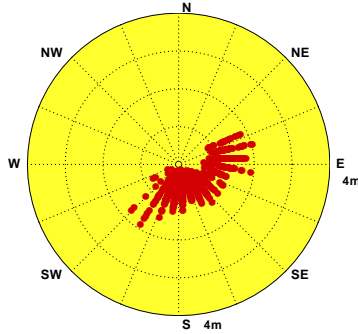
Wave of KMY0 at 2018/05 NO=732(98%)
 Hs : MEAN=.6m MAX=2.2m(ENE,5s)
 N-E:16% E-S:29% S-W:55% W-N:0%



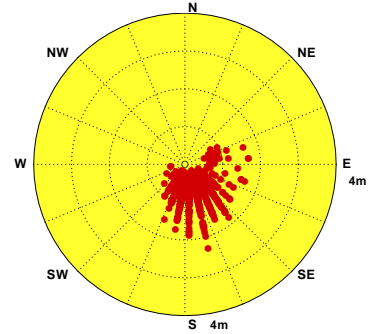
Wave of KMY0 at 2018/06 NO=713(99%)
 Hs : MEAN=1.0m MAX=3.8m(S, 6s)
 N-E:19% E-S:40% S-W:41% W-N:0%



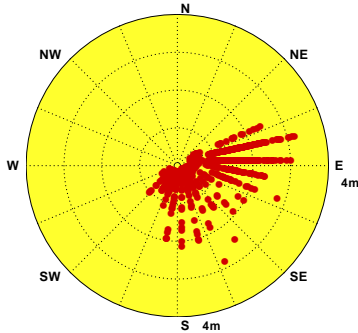
Wave of KMY0 at 2018/07 NO=724(97%)
 Hs : MEAN=.9m MAX=2.1m(SSW,5s)
 N-E:7% E-S:39% S-W:54% W-N:0%



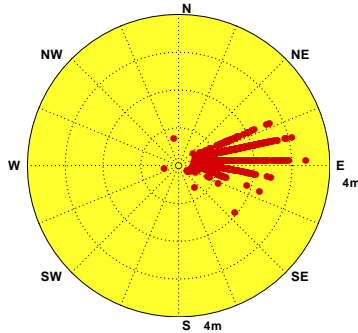
Wave of KMY0 at 2018/08 NO=736(99%)
 Hs : MEAN=.9m MAX=2.4m(SSE,6s)
 N-E:2% E-S:42% S-W:56% W-N:0%



Wave of KMY0 at 2018/09 NO=696(97%)
 Hs : MEAN=1.1m MAX=3.0m(ENE,7s)
 N-E:25% E-S:46% S-W:29% W-N:0%



Wave of KMY0 at 2018/10 NO=726(98%)
 Hs : MEAN=1.2m MAX=3.3m(E, 7s)
 N-E:49% E-S:51% S-W:0% W-N:0%



Wave of KMY0 at 2018/11 NO=699(97%)
 Hs : MEAN=1.1m MAX=3.6m(E, 7s)
 N-E:16% E-S:83% S-W:1% W-N:0%

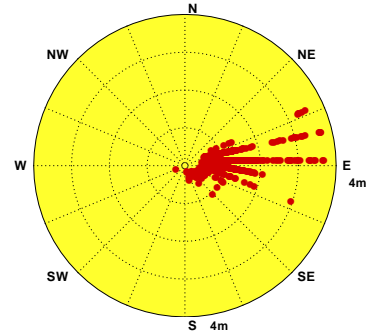


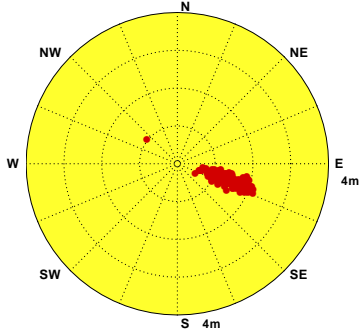
圖2.5.1 2018年金門海域每月 Y 站修補前觀測波高向量分佈圖

V17CKMY0.1HO V181KMY0.1HO V182KMY0.1HO V183KMY0.1HO V184KMY0.1HO V185KMY0.1HO
 V186KMY0.1HO V187KMY0.1HO V188KMY0.1HO V189KMY0.1HO V18AKMY0.1HO V18BKMY0.1HO

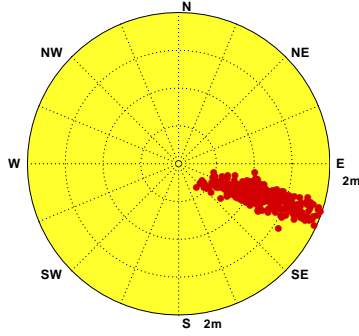
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Distribution of H_s Vectors

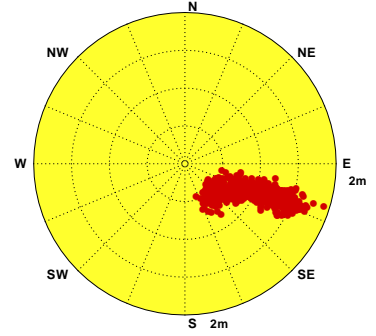
Wave of KMX0 at 2017/12 NO=226(30%)
Hs : MEAN=1.4m MAX=2.1m(ESE,9s)
N-E:0% E-S:99% S-W:0% W-N:0%



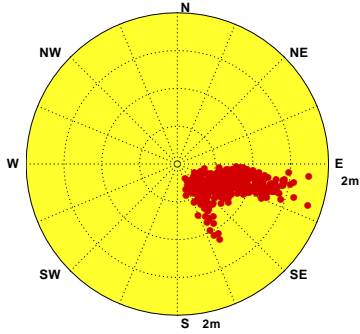
Wave of KMX0 at 2018/01 NO=352(47%)
Hs : MEAN=1.1m MAX=2.0m(ESE,8s)
N-E:0% E-S:99% S-W:0% W-N:0%



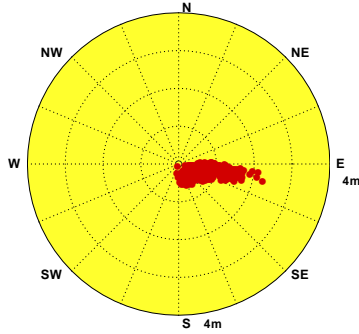
Wave of KMX0 at 2018/02 NO=507(75%)
Hs : MEAN=1.0m MAX=1.9m(ESE,7s)
N-E:0% E-S:99% S-W:0% W-N:0%



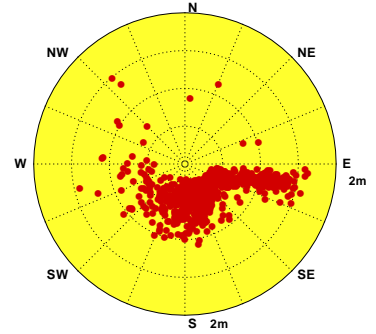
Wave of KMX0 at 2018/03 NO=505(68%)
Hs : MEAN=.7m MAX=1.8m(ESE,8s)
N-E:0% E-S:99% S-W:0% W-N:0%



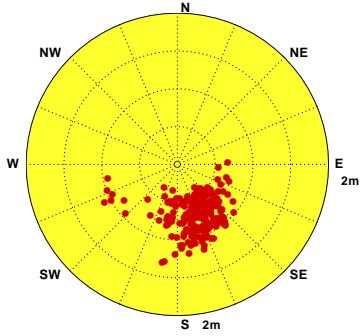
Wave of KMX0 at 2018/04 NO=701(97%)
Hs : MEAN=.7m MAX=2.2m(ESE,8s)
N-E:0% E-S:98% S-W:2% W-N:0%



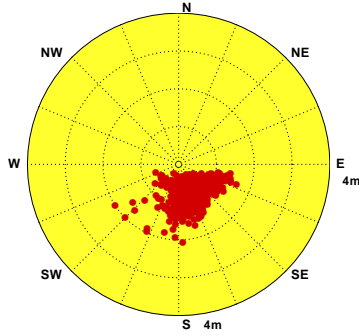
Wave of KMX0 at 2018/05 NO=681(92%)
Hs : MEAN=.7m MAX=1.6m(E, 7s)
N-E:1% E-S:68% S-W:30% W-N:1%



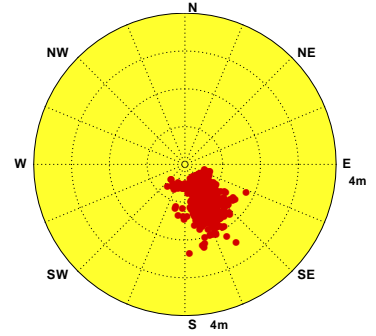
Wave of KMX0 at 2018/06 NO=223(31%)
Hs : MEAN=.8m MAX=1.4m(S, 4s)
N-E:0% E-S:83% S-W:17% W-N:0%



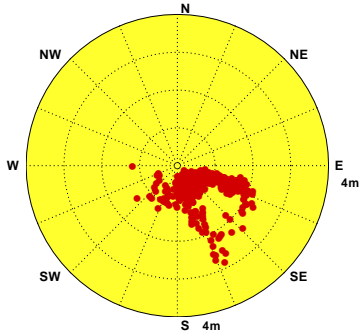
Wave of KMX0 at 2018/07 NO=741(100%)
Hs : MEAN=1.0m MAX=2.2m(S, 6s)
N-E:0% E-S:84% S-W:16% W-N:0%



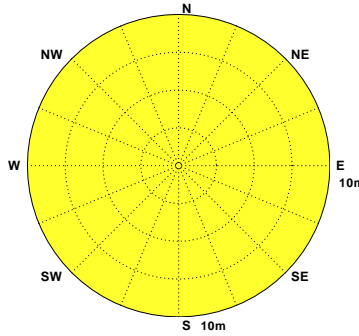
Wave of KMX0 at 2018/08 NO=744(100%)
Hs : MEAN=1.1m MAX=2.5m(SSE,8s)
N-E:0% E-S:95% S-W:5% W-N:0%



Wave of KMX0 at 2018/09 NO=434(60%)
Hs : MEAN=1.1m MAX=3.0m(SSE,11s)
N-E:0% E-S:86% S-W:14% W-N:0%



Wave of KMX0 at 2018/10



Wave of KMX0 at 2018/11

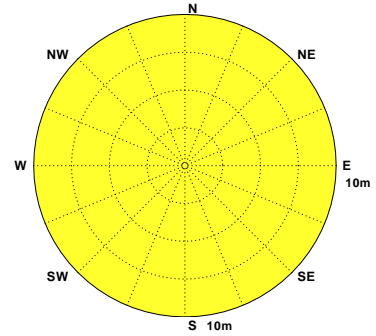


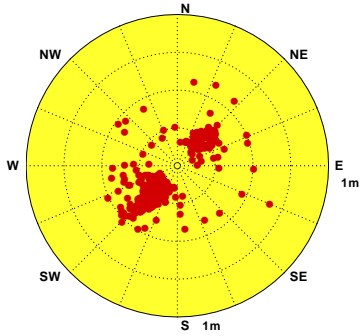
圖2.5.2 2018年金門海域每月 X 站修補前觀測波高向量分佈圖

V17CKMX0.1H0 V181KMX0.1H0 V182KMX0.1H0 V183KMX0.1H0 V184KMX0.1H0 V185KMX0.1H0
V186KMX0.1H0 V187KMX0.1H0 V188KMX0.1H0 V189KMX0.1H0 V18AKMX0.1H0 V18BKMX0.1H0

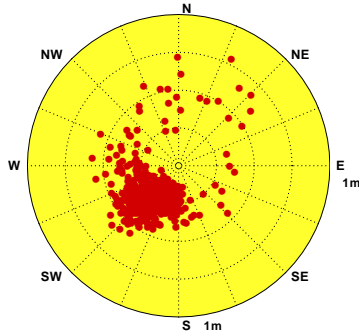
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Distribution of H_s Vectors

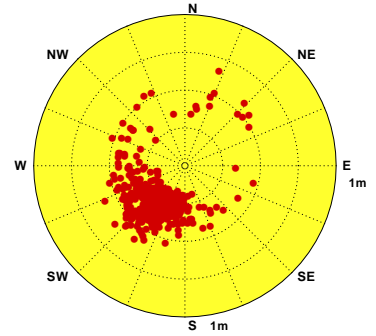
Wave of KMA0 at 2017/12 NO=383(51%)
 Hs : MEAN=.3m MAX=.6m(ESE,3s)
 N-E:26% E-S:3% S-W:68% W-N:3%



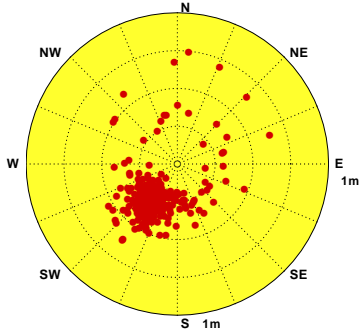
Wave of KMA0 at 2018/01 NO=721(97%)
 Hs : MEAN=.3m MAX=.7m(NNE,3s)
 N-E:1% E-S:2% S-W:93% W-N:4%



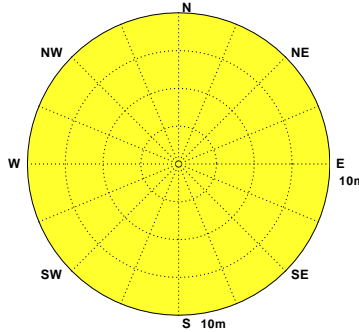
Wave of KMA0 at 2018/02 NO=639(95%)
 Hs : MEAN=.4m MAX=.6m(SW,3s)
 N-E:2% E-S:3% S-W:92% W-N:3%



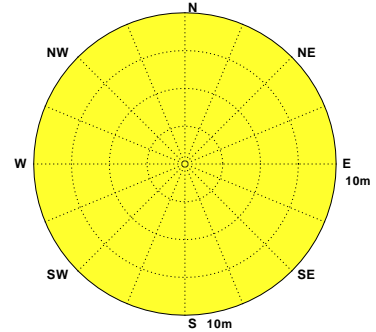
Wave of KMA0 at 2018/03 NO=308(41%)
 Hs : MEAN=.4m MAX=.7m(N, 4s)
 N-E:3% E-S:7% S-W:87% W-N:3%



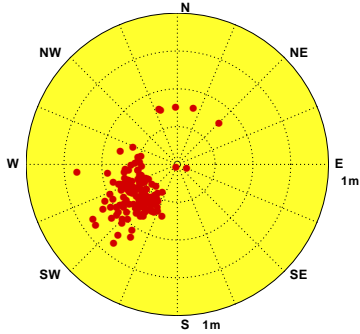
Wave of KMA0 at 2018/04



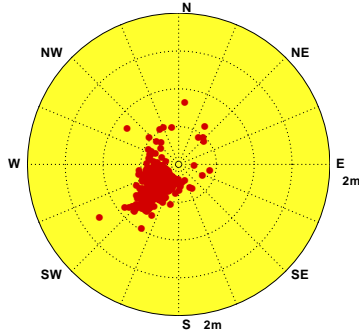
Wave of KMA0 at 2018/05



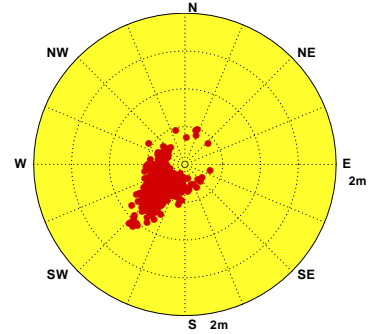
Wave of KMA0 at 2018/06 NO=135(19%)
 Hs : MEAN=.4m MAX=.7m(SW,4s)
 N-E:1% E-S:1% S-W:93% W-N:5%



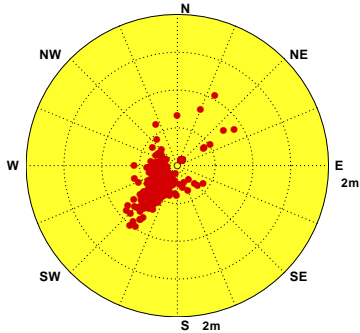
Wave of KMA0 at 2018/07 NO=738(99%)
 Hs : MEAN=.5m MAX=1.4m(SW,6s)
 N-E:1% E-S:1% S-W:96% W-N:2%



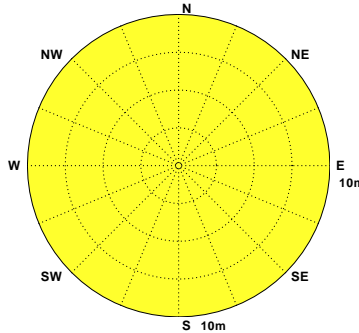
Wave of KMA0 at 2018/08 NO=742(100%)
 Hs : MEAN=.5m MAX=1.2m(SW,6s)
 N-E:1% E-S:1% S-W:95% W-N:3%



Wave of KMA0 at 2018/09 NO=434(60%)
 Hs : MEAN=.4m MAX=1.1m(SW,12s)
 N-E:4% E-S:2% S-W:90% W-N:4%



Wave of KMA0 at 2018/10



Wave of KMA0 at 2018/11

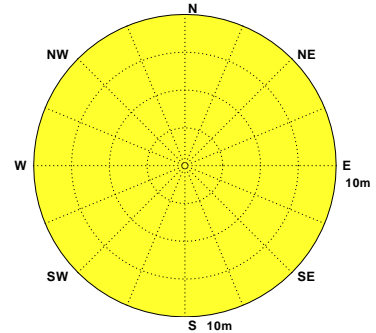


圖2.5.3 2018年金門海域每月 A 站修補前觀測波高向量分佈圖

V17CKMA0.1H0 V181KMA0.1H0 V182KMA0.1H0 V183KMA0.1H0 V184KMA0.1H0 V185KMA0.1H0
 V186KMA0.1H0 V187KMA0.1H0 V188KMA0.1H0 V189KMA0.1H0 V18AKMA0.1H0 V18BKMA0.1H0

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第三章 2018 年金門海域觀測潮汐資料年報

金門海域潮汐之觀測包括測站 **T**、測站 **F**、測站 **S**、測站 **G**、測站 **X**、測站 **A** 及測站 **J** 等 7 個測站(測站位置如第 O 章圖 TM1)。測站 **T** 與其他 6 個測站特性皆相近。本年報取經檢核及補遺之測站 **T** 資料作為**主要測站 1**，測站 **F** 資料作為**主要測站 2**，測站 **G** 資料作為**主要測站 3**。

3.1 2018 年金門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 年金門海域**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 年金門海域**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 年金門海域**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 年金門海域**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 年每月金門海域修補前各測站觀測潮汐資料紀錄表

| 海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 |
|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------|------|------|------|------|
| 年月/測站 | T | F | G | S | X | A | J | | | | | |
| 2017/12 月 | 533(71.6%) | 738(99.2%) | 734(98.7%) | 647(87.0%) | 226(30.4%) | 383(51.5%) | 744(100%) | * | * | * | * | * |
| 2018/ 1 月 | 733(98.5%) | 744(100%) | 734(98.7%) | 487(65.5%) | 352(47.3%) | 735(98.8%) | 744(100%) | * | * | * | * | * |
| 2018/ 2 月 | 660(98.2%) | 672(100%) | 653(97.2%) | 578(86.0%) | 507(75.4%) | 672(100%) | 672(100%) | * | * | * | * | * |
| 2018/ 3 月 | 733(98.5%) | 727(97.7%) | 713(95.8%) | 734(98.7%) | 505(67.9%) | 370(49.7%) | 744(100%) | * | * | * | * | * |
| 2018/ 4 月 | 710(98.6%) | 508(70.6%) | 692(96.1%) | 704(97.8%) | 701(97.4%) | * | 717(99.6%) | * | * | * | * | * |
| 2018/ 5 月 | 735(98.8%) | 744(100%) | 739(99.3%) | 724(97.3%) | 681(91.5%) | * | 744(100%) | * | * | * | * | * |
| 2018/ 6 月 | 708(98.3%) | 697(96.8%) | 719(99.9%) | 698(96.9%) | 223(31.0%) | 135(18.8%) | 714(99.2%) | * | * | * | * | * |
| 2018/ 7 月 | 734(98.7%) | 712(95.7%) | 744(100%) | 732(98.4%) | 741(99.6%) | 744(100%) | 742(99.7%) | * | * | * | * | * |
| 2018/ 8 月 | 734(98.7%) | 744(100%) | 744(100%) | 734(98.7%) | 744(100%) | 742(99.7%) | 744(100%) | * | * | * | * | * |
| 2018/ 9 月 | 705(97.9%) | 720(100%) | 716(99.4%) | 709(98.5%) | 434(60.3%) | 420(58.3%) | 719(99.9%) | * | * | * | * | * |
| 2018/10 月 | 733(98.5%) | 744(100%) | 744(100%) | 733(98.5%) | * | * | 744(100%) | * | * | * | * | * |
| 2018/11 月 | 710(98.6%) | 720(100%) | 720(100%) | 708(98.3%) | * | * | 714(99.2%) | * | * | * | * | * |
| 2018/冬季 | 1926(89.2%) | 2154(99.7%) | 2121(98.2%) | 1712(79.3%) | 1085(50.2%) | 1790(82.9%) | 2160(100%) | * | * | * | * | * |
| 2018/春季 | 2178(98.6%) | 1979(89.6%) | 2144(97.1%) | 2162(97.9%) | 1887(85.5%) | 370(16.8%) | 2205(99.9%) | * | * | * | * | * |
| 2018/夏季 | 2176(98.6%) | 2153(97.5%) | 2207(99.9%) | 2164(98.0%) | 1708(77.4%) | 1621(73.4%) | 2200(99.6%) | * | * | * | * | * |
| 2018/秋季 | 2148(98.4%) | 2184(100%) | 2180(99.8%) | 2150(98.4%) | 434(19.9%) | 420(19.2%) | 2177(99.7%) | * | * | * | * | * |
| 2018/整年 | 8428(96.2%) | 8470(96.7%) | 8652(98.8%) | 8188(93.5%) | 5114(58.4%) | 4201(48.0%) | 8742(99.8%) | * | * | * | * | * |
| 起始年月 | 2017/12 | 2017/12 | 2017/12 | 2017/12 | 2017/12 | 2017/12 | 2017/12 | * | * | * | * | * |
| 結束年月 | 2018/11 | 2018/11 | 2018/11 | 2018/11 | 2018/09 | 2018/09 | 2018/11 | * | * | * | * | * |

3-1-3

表 3.1.1b 2018 年每月金門海域修補後各測站潮汐資料紀錄表

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

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表3.1.2 2018年金門海域主要測站1修補後潮差週期及潮位重要統計量統計表

| 序號 | 日期 (年/月) | 測站 | 平均 潮差 (公分) | 最大 潮差 (公分) | 1/3 潮差 (公分) | 1/10 潮差 (公分) | 平均 週期 (時) | 最大 週期 (時) | 1/3 週期 (時) | 1/10 週期 (時) | 潮差 個數 (個) | 平均 潮位 (公分) | 最高 潮位 (公分) | 最低 潮位 (公分) | 水位 點數 (個) |
|----|-------------|----|------------------|------------------|-------------------|--------------------|-----------------|-----------------|------------------|-------------------|-----------------|------------------|------------------|------------------|-----------------|
| 1 | 2017/12 | T | 398 | 577 | 492 | 557 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 273 | -321 | 744(100%) |
| 2 | 2018/01 | T | 407 | 611 | 514 | 591 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 302 | -331 | 744(100%) |
| 3 | 2018/02 | T | 401 | 599 | 501 | 560 | 12.4 | 13.0 | 13.0 | 13.0 | 53 | 0 | 306 | -299 | 672(100%) |
| 4 | 2018/03 | T | 412 | 568 | 510 | 551 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 283 | -303 | 744(100%) |
| 5 | 2018/04 | T | 402 | 548 | 496 | 530 | 12.4 | 13.0 | 13.0 | 13.0 | 57 | 0 | 275 | -275 | 720(100%) |
| 6 | 2018/05 | T | 403 | 547 | 486 | 530 | 12.4 | 14.0 | 13.2 | 13.6 | 59 | 0 | 279 | -302 | 744(100%) |
| 7 | 2018/06 | T | 400 | 586 | 485 | 560 | 12.4 | 13.0 | 13.0 | 13.0 | 57 | 0 | 317 | -294 | 720(100%) |
| 8 | 2018/07 | T | 411 | 586 | 504 | 573 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 304 | -317 | 744(100%) |
| 9 | 2018/08 | T | 419 | 594 | 512 | 576 | 12.4 | 14.0 | 13.1 | 13.2 | 59 | 0 | 315 | -312 | 744(100%) |
| 10 | 2018/09 | T | 417 | 591 | 518 | 567 | 12.4 | 14.0 | 13.1 | 13.4 | 57 | 0 | 316 | -286 | 720(100%) |
| 11 | 2018/10 | T | 418 | 555 | 513 | 544 | 12.4 | 14.0 | 13.1 | 13.4 | 59 | 0 | 303 | -293 | 744(100%) |
| 12 | 2018/11 | T | 411 | 552 | 504 | 543 | 12.4 | 13.0 | 13.0 | 13.0 | 57 | 0 | 280 | -312 | 720(100%) |
| 13 | 2018/冬 | T | 402 | 611 | 501 | 566 | 12.4 | 13.0 | 13.0 | 13.0 | 171 | 0 | 306 | -331 | 2160(100%) |
| 14 | 2018/春 | T | 406 | 568 | 498 | 535 | 12.4 | 14.0 | 13.1 | 13.2 | 175 | 0 | 283 | -303 | 2208(100%) |
| 15 | 2018/夏 | T | 410 | 594 | 500 | 566 | 12.4 | 14.0 | 13.0 | 13.1 | 175 | 0 | 317 | -317 | 2208(100%) |
| 16 | 2018/秋 | T | 415 | 591 | 512 | 549 | 12.4 | 14.0 | 13.1 | 13.2 | 173 | 0 | 316 | -312 | 2184(100%) |
| 17 | 2018/年 | T | 409 | 611 | 504 | 554 | 12.4 | 14.0 | 13.0 | 13.1 | 694 | 0 | 317 | -331 | 8760(100%) |

表3.1.3 2018年金門海域主要測站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 | F | 385 | 577 | 478 | 557 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 285 | -310 | 744(100%) |
| 2 | 2018/01 | F | 385 | 579 | 485 | 556 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 276 | -318 | 744(100%) |
| 3 | 2018/02 | F | 380 | 561 | 473 | 529 | 12.4 | 13.0 | 13.0 | 13.0 | 53 | 0 | 280 | -285 | 672(100%) |
| 4 | 2018/03 | F | 389 | 532 | 481 | 519 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 261 | -289 | 744(100%) |
| 5 | 2018/04 | F | 384 | 511 | 467 | 497 | 12.4 | 13.0 | 13.0 | 13.0 | 57 | 0 | 255 | -267 | 720(100%) |
| 6 | 2018/05 | F | 378 | 517 | 458 | 501 | 12.4 | 14.0 | 13.2 | 13.6 | 59 | 0 | 257 | -292 | 744(100%) |
| 7 | 2018/06 | F | 377 | 556 | 458 | 534 | 12.4 | 13.0 | 13.0 | 13.0 | 57 | 0 | 291 | -281 | 720(100%) |
| 8 | 2018/07 | F | 386 | 554 | 473 | 543 | 12.4 | 14.0 | 13.1 | 13.4 | 59 | 0 | 277 | -303 | 744(100%) |
| 9 | 2018/08 | F | 392 | 563 | 480 | 541 | 12.4 | 14.0 | 13.2 | 13.6 | 59 | 0 | 290 | -295 | 744(100%) |
| 10 | 2018/09 | F | 392 | 555 | 487 | 529 | 12.4 | 14.0 | 13.1 | 13.4 | 57 | 0 | 285 | -277 | 720(100%) |
| 11 | 2018/10 | F | 393 | 518 | 482 | 509 | 12.4 | 14.0 | 13.1 | 13.4 | 59 | 0 | 281 | -277 | 744(100%) |
| 12 | 2018/11 | F | 387 | 520 | 475 | 511 | 12.4 | 13.0 | 13.0 | 13.0 | 57 | 0 | 257 | -294 | 720(100%) |
| 13 | 2018/冬 | F | 383 | 579 | 477 | 544 | 12.4 | 13.0 | 13.0 | 13.0 | 171 | 0 | 285 | -318 | 2160(100%) |
| 14 | 2018/春 | F | 383 | 532 | 469 | 503 | 12.4 | 14.0 | 13.1 | 13.2 | 175 | 0 | 261 | -292 | 2208(100%) |
| 15 | 2018/夏 | F | 385 | 563 | 470 | 536 | 12.4 | 14.0 | 13.1 | 13.3 | 175 | 0 | 291 | -303 | 2208(100%) |
| 16 | 2018/秋 | F | 391 | 555 | 481 | 514 | 12.4 | 14.0 | 13.1 | 13.2 | 173 | 0 | 285 | -294 | 2184(100%) |
| 17 | 2018/年 | F | 386 | 579 | 475 | 525 | 12.4 | 14.0 | 13.1 | 13.2 | 694 | 0 | 291 | -318 | 8760(100%) |

表3.1.4 2018年金門海域主要測站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 | G | 405 | 624 | 507 | 603 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 336 | -323 | 744(100%) |
| 2 | 2018/01 | G | 406 | 611 | 513 | 589 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 301 | -329 | 744(100%) |
| 3 | 2018/02 | G | 400 | 594 | 499 | 558 | 12.4 | 13.0 | 13.0 | 13.0 | 53 | 0 | 305 | -296 | 672(100%) |
| 4 | 2018/03 | G | 411 | 567 | 509 | 553 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 283 | -301 | 744(100%) |
| 5 | 2018/04 | G | 402 | 547 | 494 | 528 | 12.4 | 13.0 | 13.0 | 13.0 | 57 | 0 | 275 | -272 | 720(100%) |
| 6 | 2018/05 | G | 402 | 546 | 486 | 529 | 12.4 | 14.0 | 13.1 | 13.4 | 59 | 0 | 282 | -301 | 744(100%) |
| 7 | 2018/06 | G | 399 | 582 | 484 | 558 | 12.4 | 13.0 | 13.0 | 13.0 | 57 | 0 | 316 | -292 | 720(100%) |
| 8 | 2018/07 | G | 410 | 584 | 502 | 571 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 303 | -315 | 744(100%) |
| 9 | 2018/08 | G | 418 | 593 | 511 | 575 | 12.4 | 14.0 | 13.1 | 13.4 | 59 | 0 | 315 | -311 | 744(100%) |
| 10 | 2018/09 | G | 416 | 582 | 515 | 562 | 12.4 | 14.0 | 13.1 | 13.4 | 57 | 0 | 307 | -285 | 720(100%) |
| 11 | 2018/10 | G | 417 | 553 | 512 | 542 | 12.4 | 14.0 | 13.1 | 13.4 | 59 | 0 | 301 | -290 | 744(100%) |
| 12 | 2018/11 | G | 410 | 551 | 503 | 541 | 12.4 | 13.0 | 13.0 | 13.0 | 57 | 0 | 280 | -313 | 720(100%) |
| 13 | 2018/冬 | G | 404 | 624 | 505 | 580 | 12.4 | 13.0 | 13.0 | 13.0 | 171 | 0 | 336 | -329 | 2160(100%) |
| 14 | 2018/春 | G | 405 | 567 | 497 | 534 | 12.4 | 14.0 | 13.0 | 13.1 | 175 | 0 | 283 | -301 | 2208(100%) |
| 15 | 2018/夏 | G | 409 | 593 | 499 | 565 | 12.4 | 14.0 | 13.0 | 13.1 | 175 | 0 | 316 | -315 | 2208(100%) |
| 16 | 2018/秋 | G | 414 | 582 | 510 | 546 | 12.4 | 14.0 | 13.1 | 13.2 | 173 | 0 | 307 | -313 | 2184(100%) |
| 17 | 2018/年 | G | 408 | 624 | 503 | 556 | 12.4 | 14.0 | 13.0 | 13.1 | 694 | 0 | 336 | -329 | 8760(100%) |

Tidal Level in Kin-Men Harbor of KMT0 at 2018

1 ○ 8 ● 15 ● 22 ●

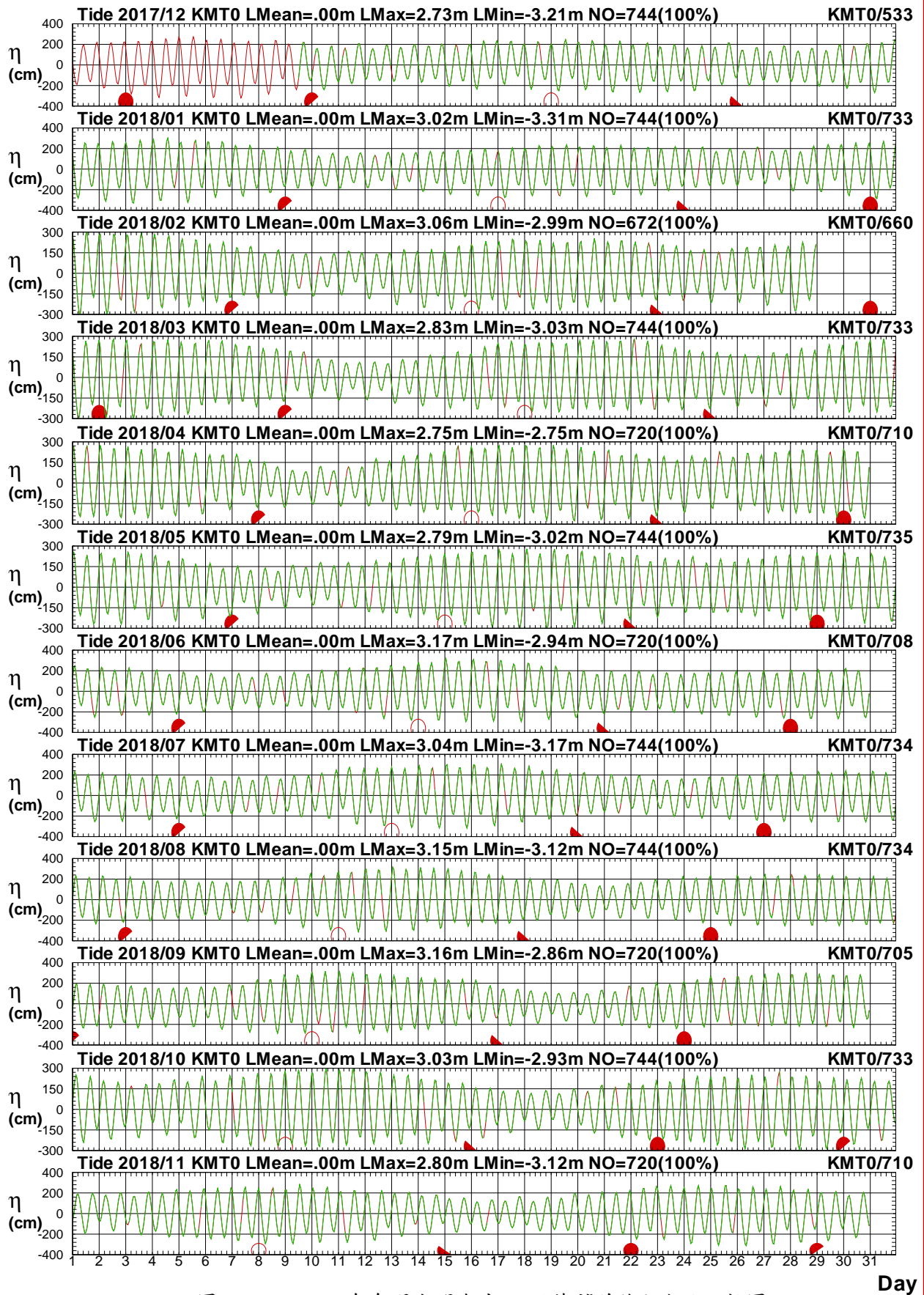


圖3.1.61 2018年每月金門海域 T 站修補前後之潮位比較圖

T17CKMT0.1HA T17CKMT0.1HO T181KMT0.1HA T181KMT0.1HO T182KMT0.1HA T182KMT0.1HO
T183KMT0.1HA T183KMT0.1HO T184KMT0.1HA T184KMT0.1HO T185KMT0.1HA T185KMT0.1HO

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Tidal Level in Kin-Men Harbor of KMT0 at 2018

1 ○ 8 ● 15 ● 22 ●

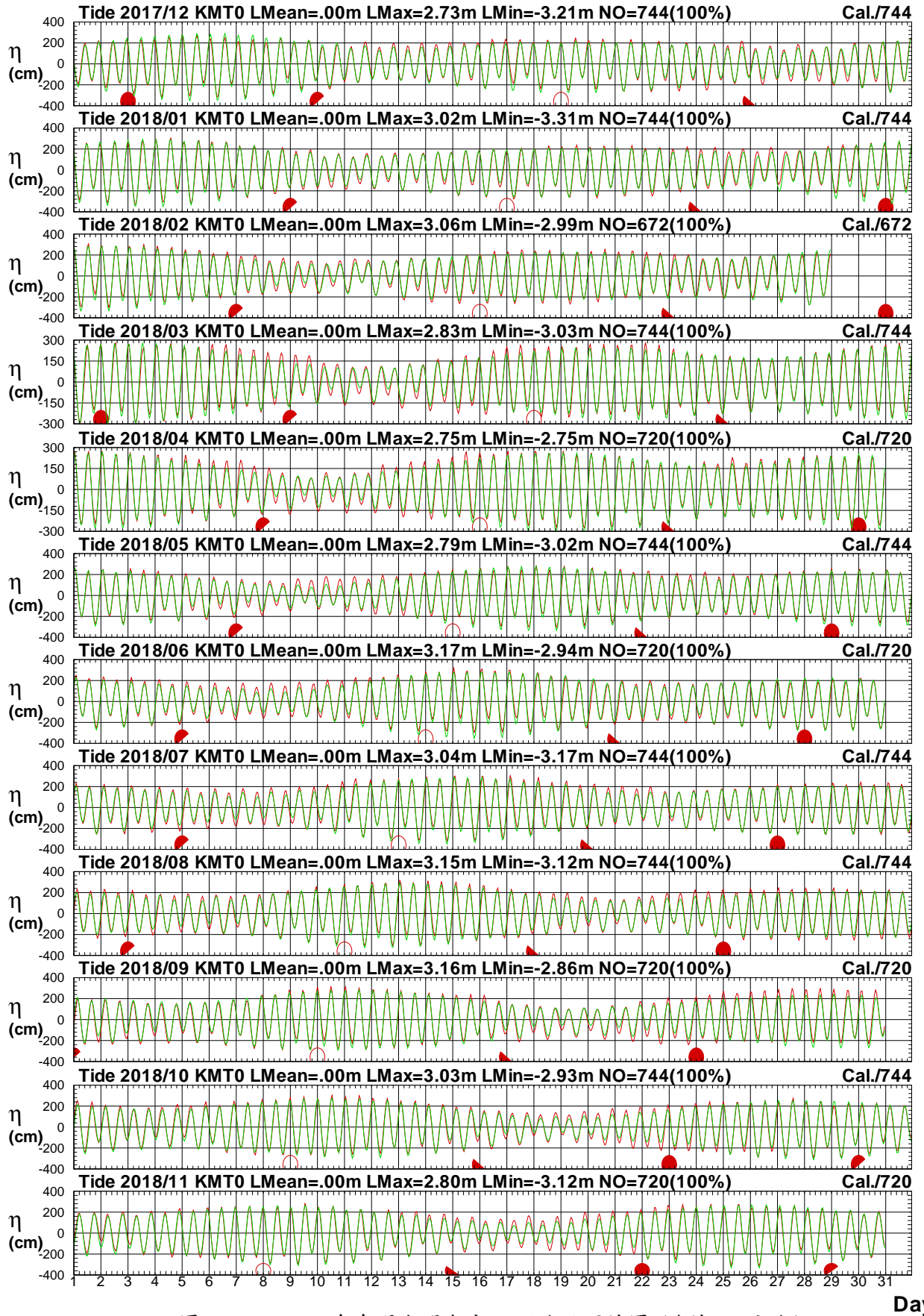


圖3.1.62 2018年每月金門海域 T 站潮位歷線圖 (綠線: 天文潮)

T17CKMT0.1HA T17CKMT0.1HC T181KMT0.1HA T181KMT0.1HC T182KMT0.1HA T182KMT0.1HC
 T183KMT0.1HA T183KMT0.1HC T184KMT0.1HA T184KMT0.1HC T185KMT0.1HA T185KMT0.1HC

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Tidal Level in Kin-Men Harbor of KMF0 at 2018

1 ○ 8 ● 15 ● 22 ●

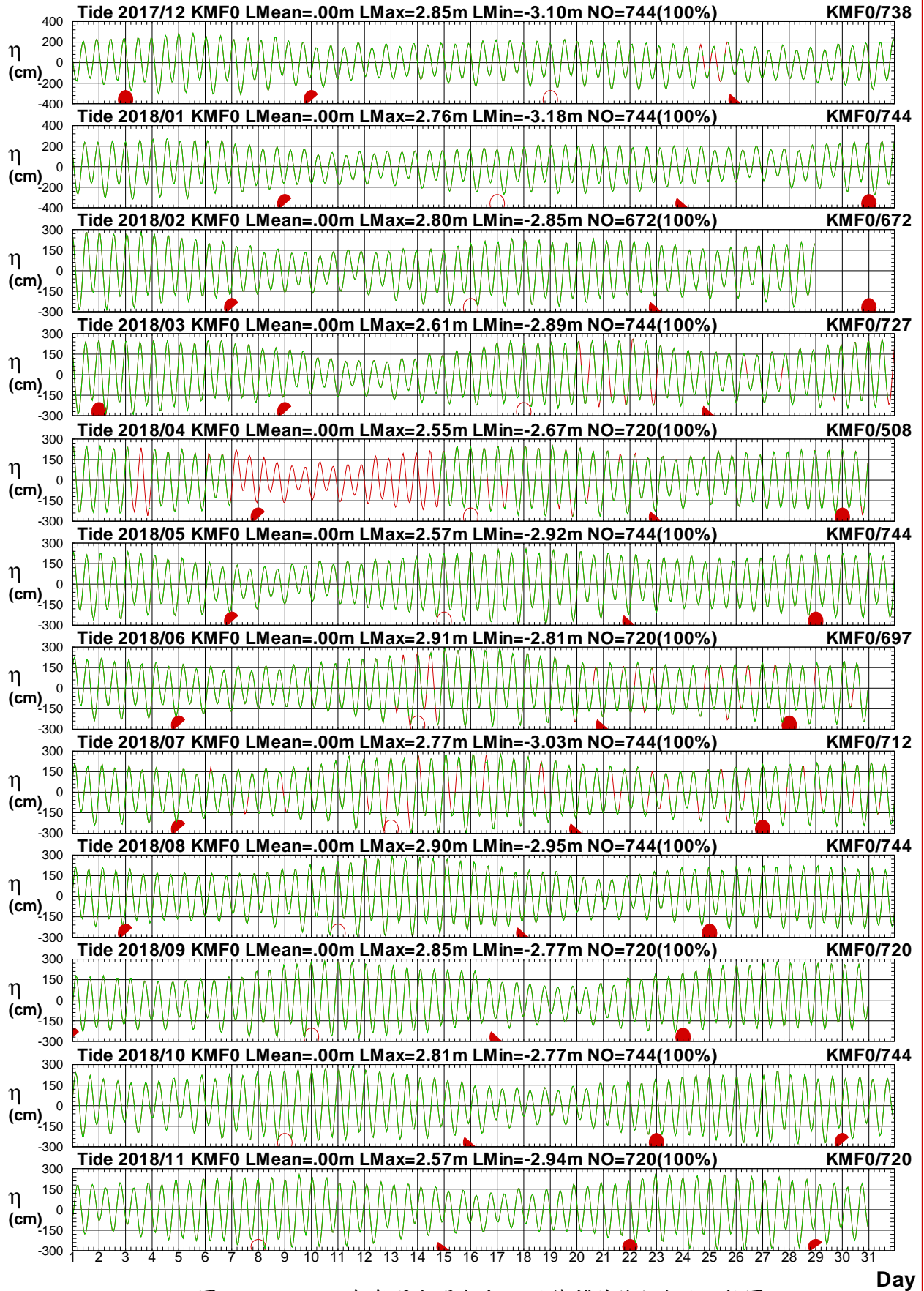


圖3.1.63 2018年每月金門海域 F 站修補前後之潮位比較圖

T17CKMF0.1HA T17CKMF0.1HO T181KMF0.1HA T181KMF0.1HO T182KMF0.1HA T182KMF0.1HO
T183KMF0.1HA T183KMF0.1HO T184KMF0.1HA T184KMF0.1HO T185KMF0.1HA T185KMF0.1HO

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Tidal Level in Kin-Men Harbor of KMF0 at 2018

1 ○ 8 ● 15 ● 22 ●

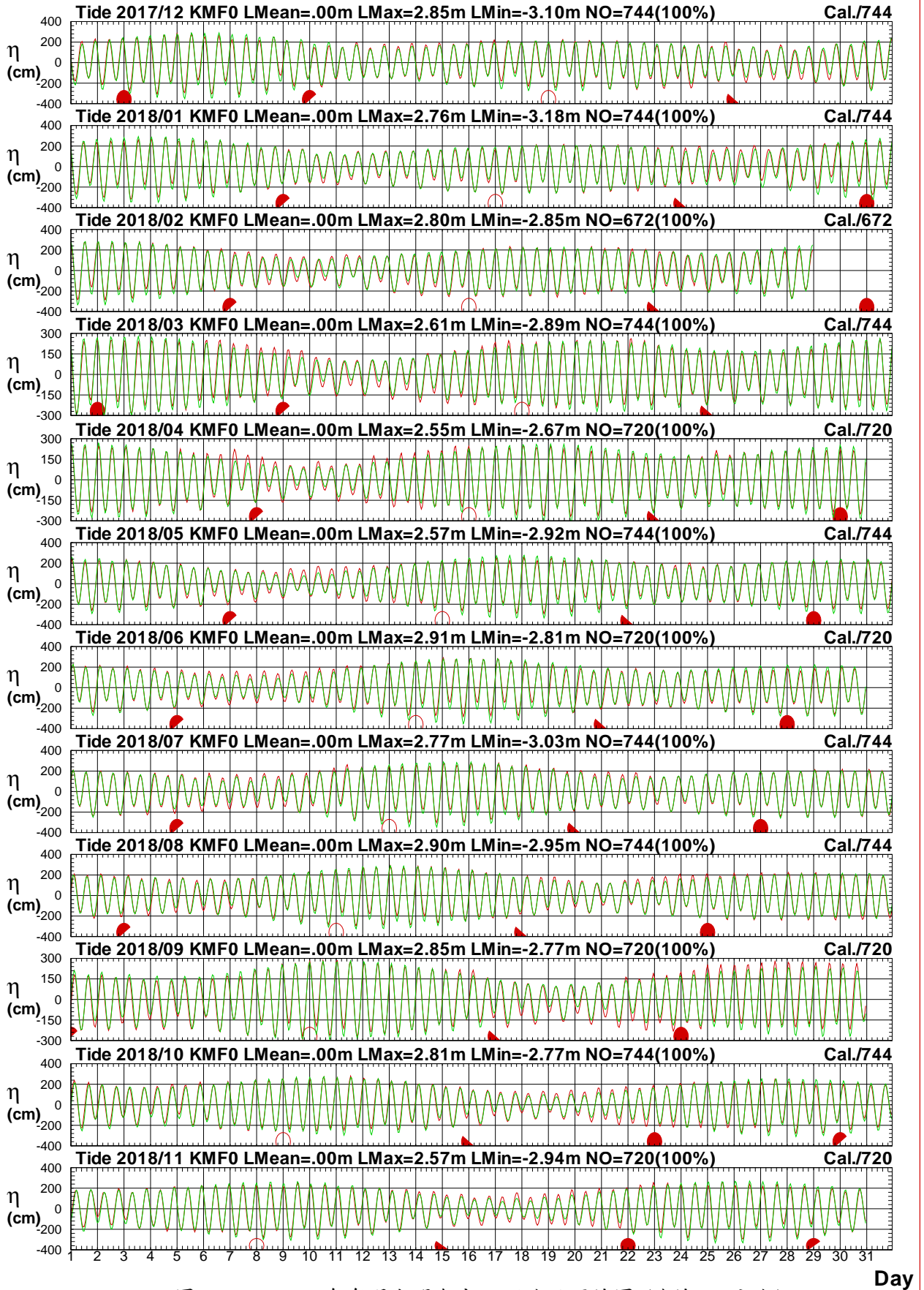


圖3.1.64 2018年每月金門海域 F 站潮位歷線圖 (綠線: 天文潮)

T17CKMF0.1HA T17CKMT0.1HC T181KMF0.1HA T181KMT0.1HC T182KMF0.1HA T182KMT0.1HC
T183KMF0.1HA T183KMT0.1HC T184KMF0.1HA T184KMT0.1HC T185KMF0.1HA T185KMT0.1HC

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Tidal Level in Kin-Men Harbor of KMG0 at 2018

1 ○ 8 ● 15 ● 22 ●

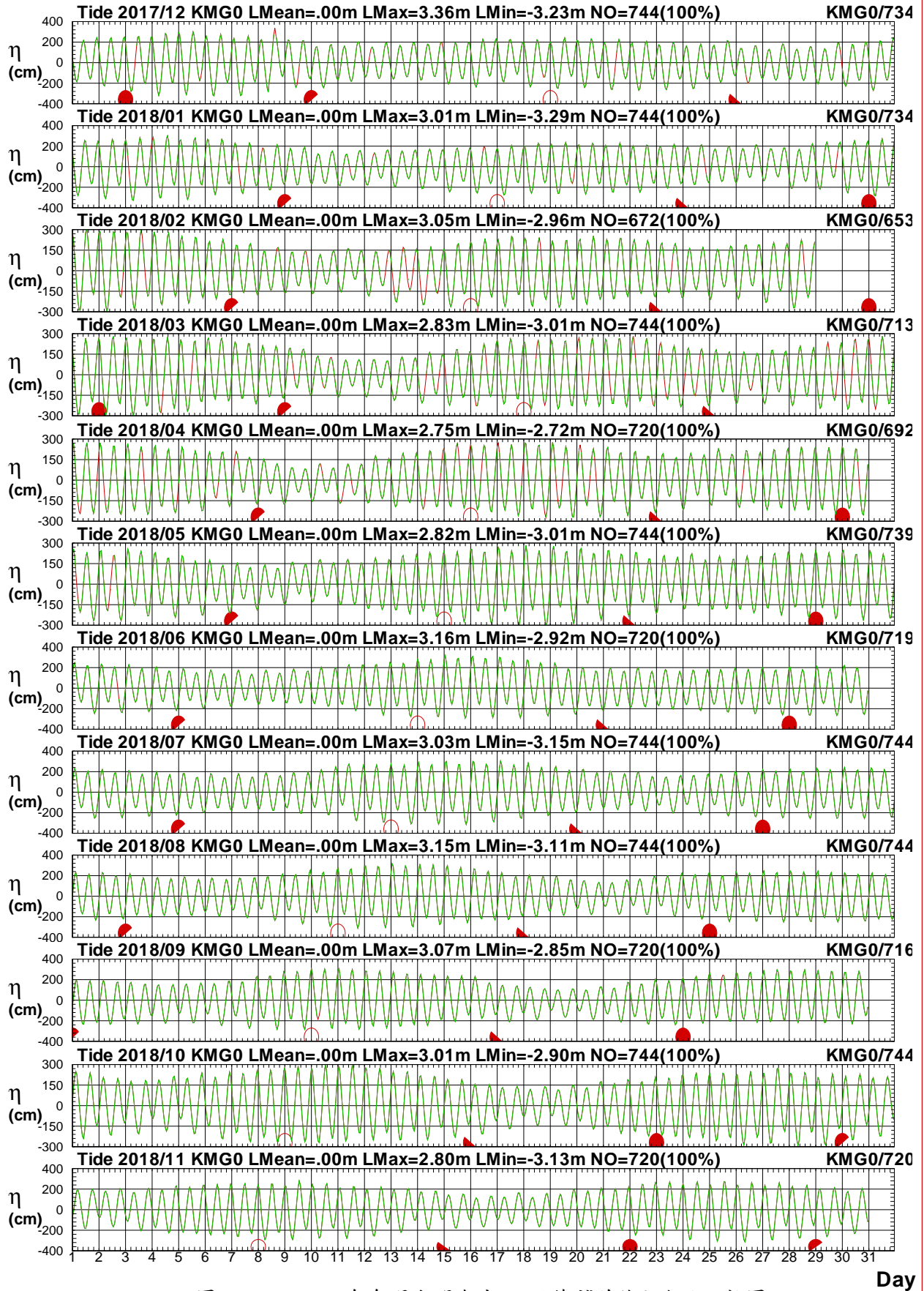


圖3.1.65 2018年每月金門海域 G 站修補前後之潮位比較圖

T17CKMG0.1HA T17CKMG0.1H0 T181KMG0.1HA T181KMG0.1H0 T182KMG0.1HA T182KMG0.1H0
T183KMG0.1HA T183KMG0.1H0 T184KMG0.1HA T184KMG0.1H0 T185KMG0.1HA T185KMG0.1H0

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Tidal Level in Kin-Men Harbor of KMG0 at 2018

1 ○ 8 ● 15 ● 22 ●

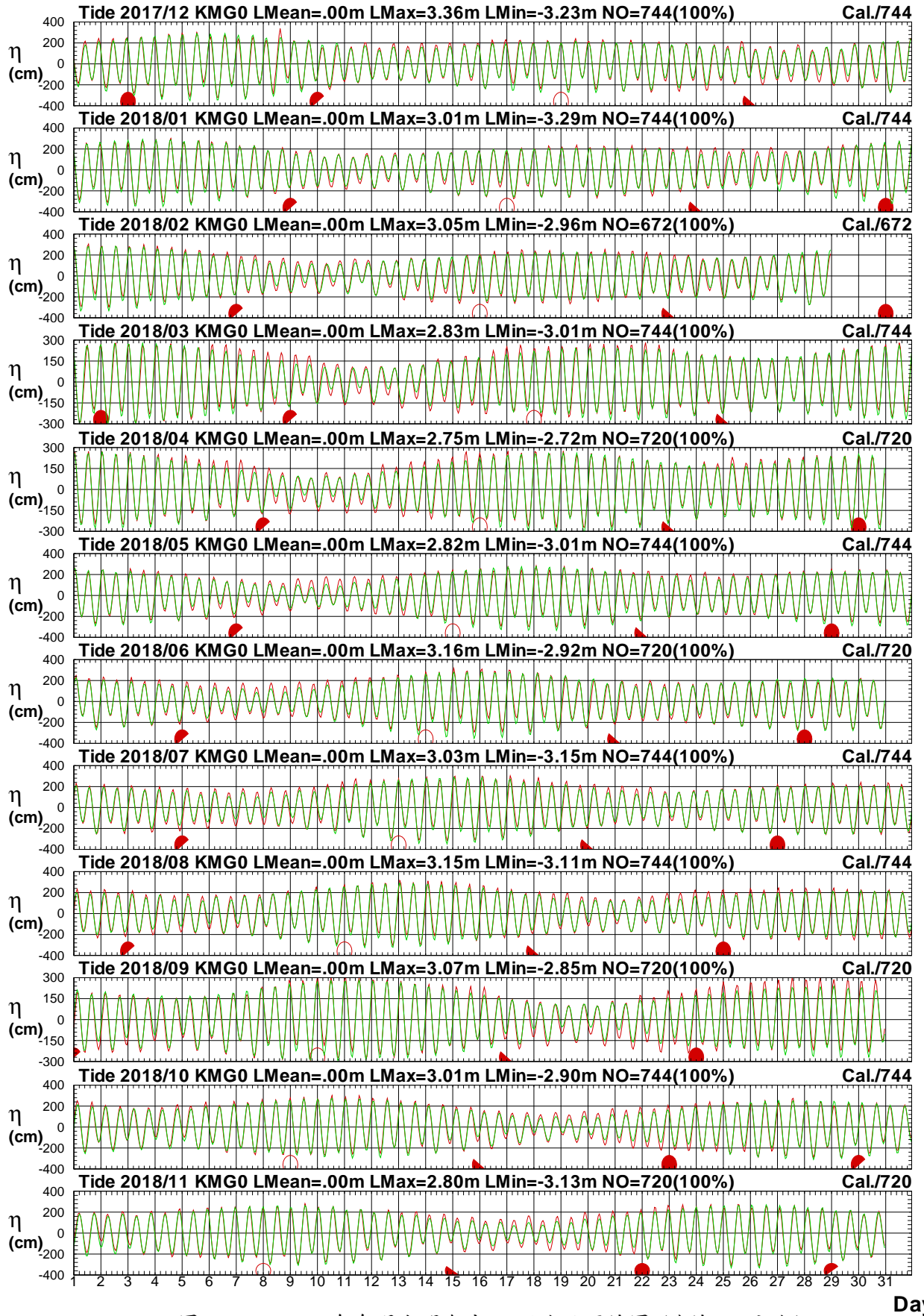


圖3.1.66 2018年每月金門海域 G 站潮位歷線圖 (綠線: 天文潮)

T17CKMG0.1HA T17CKMT0.1HC T181KMG0.1HA T181KMT0.1HC T182KMG0.1HA T182KMT0.1HC
T183KMG0.1HA T183KMT0.1HC T184KMG0.1HA T184KMT0.1HC T185KMG0.1HA T185KMT0.1HC

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3.2 2018 年金門海域各測站修補前 潮汐統計量統計表

表3.2.1 2018年金門海域 T 站修補前潮差週期及潮位重要統計量統計表

| 序號 | 日期 (年/月) | 測站 | 平均 潮差 (公分) | 最大 潮差 (公分) | 1/3 潮差 (公分) | 1/10 潮差 (公分) | 平均 週期 (時) | 最大 週期 (時) | 1/3 週期 (時) | 1/10 週期 (時) | 潮差 個數 (個) | 平均 潮位 (公分) | 最高 潮位 (公分) | 最低 潮位 (公分) | 水位 點數 (個) |
|----|-------------|----|------------------|------------------|-------------------|--------------------|-----------------|-----------------|------------------|-------------------|-----------------|------------------|------------------|------------------|-----------------|
| 1 | 2017/12 | T | 373 | 469 | 431 | 459 | 13.3 | 25.0 | 15.8 | 22.0 | 40 | 0 | 244 | -270 | 533(72%) |
| 2 | 2018/01 | T | 406 | 611 | 507 | 584 | 13.3 | 25.0 | 15.7 | 22.6 | 55 | 0 | 302 | -331 | 733(99%) |
| 3 | 2018/02 | T | 396 | 599 | 486 | 542 | 13.5 | 25.0 | 16.2 | 25.0 | 46 | 0 | 306 | -299 | 660(98%) |
| 4 | 2018/03 | T | 403 | 568 | 507 | 551 | 13.4 | 26.0 | 15.9 | 22.8 | 52 | 0 | 283 | -303 | 733(99%) |
| 5 | 2018/04 | T | 398 | 516 | 486 | 504 | 13.9 | 25.0 | 17.0 | 24.4 | 51 | 0 | 276 | -274 | 710(99%) |
| 6 | 2018/05 | T | 404 | 575 | 498 | 549 | 13.1 | 25.0 | 15.1 | 20.4 | 56 | 0 | 279 | -303 | 735(99%) |
| 7 | 2018/06 | T | 399 | 583 | 490 | 558 | 12.9 | 25.0 | 14.3 | 17.8 | 55 | 0 | 316 | -296 | 708(98%) |
| 8 | 2018/07 | T | 411 | 617 | 512 | 591 | 13.1 | 25.0 | 15.0 | 20.2 | 56 | 0 | 304 | -318 | 734(99%) |
| 9 | 2018/08 | T | 419 | 594 | 513 | 578 | 13.6 | 26.0 | 16.3 | 25.0 | 54 | 0 | 315 | -312 | 734(99%) |
| 10 | 2018/09 | T | 409 | 601 | 513 | 567 | 13.4 | 25.0 | 16.0 | 22.4 | 50 | 0 | 316 | -286 | 705(98%) |
| 11 | 2018/10 | T | 418 | 555 | 517 | 545 | 13.9 | 25.0 | 17.2 | 24.8 | 52 | 0 | 303 | -293 | 733(99%) |
| 12 | 2018/11 | T | 414 | 581 | 510 | 556 | 13.4 | 26.0 | 15.7 | 22.2 | 53 | 0 | 280 | -313 | 710(99%) |
| 13 | 2018/冬 | T | 393 | 611 | 481 | 544 | 13.4 | 25.0 | 15.8 | 22.4 | 141 | 0 | 306 | -331 | 1926(89%) |
| 14 | 2018/春 | T | 402 | 575 | 497 | 538 | 13.4 | 26.0 | 15.9 | 23.3 | 159 | 0 | 283 | -303 | 2178(99%) |
| 15 | 2018/夏 | T | 410 | 617 | 504 | 576 | 13.2 | 26.0 | 15.2 | 20.5 | 165 | 0 | 316 | -317 | 2176(99%) |
| 16 | 2018/秋 | T | 414 | 601 | 513 | 556 | 13.6 | 26.0 | 16.3 | 23.9 | 155 | 0 | 316 | -313 | 2148(98%) |
| 17 | 2018/年 | T | 405 | 617 | 501 | 556 | 13.4 | 26.0 | 15.8 | 22.2 | 620 | 0 | 316 | -331 | 8428(96%) |

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表3.2.2 2018年金門海域 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 | 383 | 577 | 479 | 557 | 12.4 | 13.0 | 13.0 | 13.0 | 56 | 0 | 285 | -310 | 738(99%) |
| 2 | 2018/01 | F | 385 | 579 | 485 | 556 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 276 | -318 | 744(100%) |
| 3 | 2018/02 | F | 380 | 561 | 473 | 529 | 12.4 | 13.0 | 13.0 | 13.0 | 53 | 0 | 280 | -285 | 672(100%) |
| 4 | 2018/03 | F | 379 | 532 | 474 | 517 | 13.1 | 25.0 | 15.1 | 20.2 | 52 | 0 | 260 | -291 | 727(98%) |
| 5 | 2018/04 | F | 408 | 511 | 473 | 508 | 12.8 | 25.0 | 14.3 | 19.0 | 29 | 0 | 253 | -269 | 508(71%) |
| 6 | 2018/05 | F | 378 | 517 | 458 | 501 | 12.4 | 14.0 | 13.2 | 13.6 | 59 | 0 | 257 | -292 | 744(100%) |
| 7 | 2018/06 | F | 374 | 549 | 462 | 534 | 13.8 | 25.0 | 17.2 | 25.0 | 44 | 0 | 292 | -281 | 697(97%) |
| 8 | 2018/07 | F | 385 | 571 | 470 | 552 | 15.0 | 25.0 | 20.5 | 25.0 | 48 | 0 | 276 | -303 | 712(96%) |
| 9 | 2018/08 | F | 392 | 563 | 480 | 541 | 12.4 | 14.0 | 13.2 | 13.6 | 59 | 0 | 290 | -295 | 744(100%) |
| 10 | 2018/09 | F | 392 | 555 | 487 | 529 | 12.4 | 14.0 | 13.1 | 13.4 | 57 | 0 | 285 | -277 | 720(100%) |
| 11 | 2018/10 | F | 393 | 518 | 482 | 509 | 12.4 | 14.0 | 13.1 | 13.4 | 59 | 0 | 281 | -277 | 744(100%) |
| 12 | 2018/11 | F | 387 | 520 | 475 | 511 | 12.4 | 13.0 | 13.0 | 13.0 | 57 | 0 | 257 | -294 | 720(100%) |
| 13 | 2018/冬 | F | 383 | 579 | 477 | 547 | 12.4 | 13.0 | 13.0 | 13.0 | 168 | 0 | 285 | -318 | 2154(100%) |
| 14 | 2018/春 | F | 385 | 532 | 467 | 505 | 12.8 | 25.0 | 14.1 | 16.6 | 140 | 0 | 260 | -292 | 1979(90%) |
| 15 | 2018/夏 | F | 385 | 571 | 471 | 537 | 13.6 | 25.0 | 16.6 | 24.8 | 151 | 0 | 292 | -303 | 2153(98%) |
| 16 | 2018/秋 | F | 391 | 555 | 481 | 514 | 12.4 | 14.0 | 13.1 | 13.2 | 173 | 0 | 285 | -294 | 2184(100%) |
| 17 | 2018/年 | F | 386 | 579 | 475 | 526 | 12.8 | 25.0 | 14.1 | 16.8 | 632 | 0 | 292 | -318 | 8470(97%) |

表3.2.3 2018年金門海域 G 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 | G | 404 | 611 | 502 | 578 | 13.6 | 25.0 | 16.3 | 24.8 | 54 | 0 | 300 | -323 | 734(99%) |
| 2 | 2018/01 | G | 406 | 611 | 503 | 576 | 13.6 | 25.0 | 16.3 | 24.8 | 54 | 0 | 301 | -328 | 734(99%) |
| 3 | 2018/02 | G | 405 | 594 | 505 | 565 | 14.1 | 26.0 | 18.1 | 25.3 | 44 | 0 | 306 | -295 | 653(97%) |
| 4 | 2018/03 | G | 403 | 567 | 503 | 551 | 14.6 | 26.0 | 19.3 | 25.3 | 45 | 0 | 283 | -301 | 713(96%) |
| 5 | 2018/04 | G | 390 | 514 | 483 | 506 | 13.6 | 26.0 | 16.6 | 25.0 | 44 | 0 | 275 | -272 | 692(96%) |
| 6 | 2018/05 | G | 402 | 546 | 488 | 530 | 12.6 | 24.0 | 13.7 | 15.6 | 58 | 0 | 282 | -300 | 739(99%) |
| 7 | 2018/06 | G | 399 | 582 | 484 | 558 | 12.4 | 13.0 | 13.0 | 13.0 | 57 | 0 | 316 | -292 | 719(100%) |
| 8 | 2018/07 | G | 410 | 584 | 502 | 571 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 303 | -315 | 744(100%) |
| 9 | 2018/08 | G | 418 | 593 | 511 | 575 | 12.4 | 14.0 | 13.1 | 13.4 | 59 | 0 | 315 | -311 | 744(100%) |
| 10 | 2018/09 | G | 414 | 590 | 518 | 567 | 12.9 | 25.0 | 14.4 | 18.0 | 55 | 0 | 308 | -284 | 716(99%) |
| 11 | 2018/10 | G | 417 | 553 | 512 | 542 | 12.4 | 14.0 | 13.1 | 13.4 | 59 | 0 | 301 | -290 | 744(100%) |
| 12 | 2018/11 | G | 410 | 551 | 503 | 541 | 12.4 | 13.0 | 13.0 | 13.0 | 57 | 0 | 280 | -313 | 720(100%) |
| 13 | 2018/冬 | G | 405 | 611 | 503 | 569 | 13.7 | 26.0 | 16.8 | 24.9 | 152 | 0 | 306 | -328 | 2121(98%) |
| 14 | 2018/春 | G | 399 | 567 | 490 | 529 | 13.5 | 26.0 | 16.2 | 24.1 | 147 | 0 | 283 | -302 | 2144(97%) |
| 15 | 2018/夏 | G | 409 | 593 | 499 | 565 | 12.4 | 14.0 | 13.0 | 13.1 | 175 | 0 | 316 | -315 | 2207(100%) |
| 16 | 2018/秋 | G | 414 | 590 | 510 | 548 | 12.6 | 25.0 | 13.5 | 14.6 | 171 | 0 | 308 | -313 | 2180(100%) |
| 17 | 2018/年 | G | 407 | 611 | 501 | 554 | 13.0 | 26.0 | 14.8 | 18.9 | 645 | 0 | 316 | -328 | 8652(99%) |

表3.2.4 2018年金門海域 A 站修補前潮差週期及潮位重要統計量統計表

| 序號 | 日期 (年/月) | 測站 | 平均 潮差 (公分) | 最大 潮差 (公分) | 1/3 潮差 (公分) | 1/10 潮差 (公分) | 平均 週期 (時) | 最大 週期 (時) | 1/3 週期 (時) | 1/10 週期 (時) | 潮差 個數 (個) | 平均 潮位 (公分) | 最高 潮位 (公分) | 最低 潮位 (公分) | 水位 點數 (個) |
|----|-------------|----|------------------|------------------|-------------------|--------------------|-----------------|-----------------|------------------|-------------------|-----------------|------------------|------------------|------------------|-----------------|
| 1 | 2017/12 | A | 374 | 467 | 436 | 456 | 12.8 | 25.0 | 14.2 | 17.0 | 30 | 0 | 242 | -263 | 383(52%) |
| 2 | 2018/01 | A | 393 | 595 | 481 | 561 | 12.9 | 25.0 | 14.2 | 17.6 | 57 | 0 | 290 | -321 | 735(99%) |
| 3 | 2018/02 | A | 392 | 582 | 488 | 547 | 12.4 | 13.0 | 13.0 | 13.0 | 53 | 0 | 299 | -290 | 672(100%) |
| 4 | 2018/03 | A | 380 | 556 | 510 | 553 | 12.4 | 13.0 | 13.0 | 13.0 | 29 | 0 | 267 | -298 | 370(50%) |
| 5 | 2018/04 | A | | | | | | | | | | | | | |
| 6 | 2018/05 | A | | | | | | | | | | | | | |
| 7 | 2018/06 | A | 390 | 444 | 436 | 444 | 12.3 | 13.0 | 13.0 | 13.0 | 10 | 0 | 230 | -249 | 135(19%) |
| 8 | 2018/07 | A | 403 | 578 | 494 | 563 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 298 | -310 | 744(100%) |
| 9 | 2018/08 | A | 410 | 611 | 509 | 585 | 12.6 | 24.0 | 13.7 | 15.6 | 58 | 0 | 307 | -309 | 742(100%) |
| 10 | 2018/09 | A | 422 | 574 | 526 | 565 | 12.4 | 14.0 | 13.1 | 13.3 | 33 | 0 | 310 | -277 | 420(58%) |
| 11 | 2018/10 | A | | | | | | | | | | | | | |
| 12 | 2018/11 | A | | | | | | | | | | | | | |
| 13 | 2018/冬 | A | 388 | 595 | 475 | 535 | 12.7 | 25.0 | 13.8 | 15.5 | 140 | 0 | 298 | -321 | 1790(83%) |
| 14 | 2018/春 | A | 380 | 556 | 510 | 553 | 12.4 | 13.0 | 13.0 | 13.0 | 29 | 0 | 267 | -298 | 370(17%) |
| 15 | 2018/夏 | A | 405 | 611 | 496 | 566 | 12.5 | 24.0 | 13.3 | 14.1 | 127 | 0 | 307 | -310 | 1621(73%) |
| 16 | 2018/秋 | A | 422 | 574 | 526 | 564 | 12.4 | 14.0 | 13.1 | 13.3 | 33 | 0 | 310 | -277 | 420(19%) |
| 17 | 2018/年 | A | 398 | 611 | 492 | 558 | 12.6 | 25.0 | 13.4 | 14.5 | 329 | 0 | 310 | -321 | 4201(48%) |

3-2-4

表3.2.5 2018年金門海域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 | 398 | 597 | 495 | 570 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 299 | -299 | 744(100%) |
| 2 | 2018/01 | J | 399 | 591 | 502 | 568 | 12.4 | 14.0 | 13.1 | 13.2 | 59 | 0 | 298 | -293 | 744(100%) |
| 3 | 2018/02 | J | 394 | 585 | 492 | 548 | 12.4 | 13.0 | 13.0 | 13.0 | 53 | 0 | 301 | -284 | 672(100%) |
| 4 | 2018/03 | J | 406 | 555 | 501 | 538 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 278 | -279 | 744(100%) |
| 5 | 2018/04 | J | 397 | 524 | 486 | 512 | 12.4 | 14.0 | 13.1 | 13.4 | 57 | 0 | 268 | -269 | 717(100%) |
| 6 | 2018/05 | J | 395 | 525 | 475 | 518 | 12.4 | 14.0 | 13.1 | 13.4 | 59 | 0 | 278 | -282 | 744(100%) |
| 7 | 2018/06 | J | 377 | 554 | 458 | 528 | 12.4 | 14.0 | 13.1 | 13.2 | 57 | 0 | 298 | -278 | 714(99%) |
| 8 | 2018/07 | J | 390 | 572 | 484 | 560 | 12.4 | 13.0 | 13.0 | 13.0 | 59 | 0 | 287 | -285 | 742(100%) |
| 9 | 2018/08 | J | 398 | 563 | 486 | 546 | 12.4 | 14.0 | 13.1 | 13.2 | 59 | 0 | 296 | -290 | 744(100%) |
| 10 | 2018/09 | J | 400 | 554 | 497 | 535 | 12.4 | 14.0 | 13.1 | 13.4 | 57 | 0 | 304 | -263 | 719(100%) |
| 11 | 2018/10 | J | 405 | 535 | 497 | 526 | 12.4 | 14.0 | 13.1 | 13.4 | 59 | 0 | 294 | -284 | 744(100%) |
| 12 | 2018/11 | J | 399 | 558 | 497 | 544 | 12.9 | 25.0 | 14.4 | 18.2 | 55 | 0 | 269 | -295 | 714(99%) |
| 13 | 2018/冬 | J | 397 | 597 | 494 | 560 | 12.4 | 14.0 | 13.0 | 13.1 | 171 | 0 | 301 | -299 | 2160(100%) |
| 14 | 2018/春 | J | 399 | 555 | 488 | 521 | 12.4 | 14.0 | 13.1 | 13.2 | 175 | 0 | 278 | -282 | 2205(100%) |
| 15 | 2018/夏 | J | 389 | 572 | 476 | 542 | 12.4 | 14.0 | 13.0 | 13.1 | 175 | 0 | 298 | -290 | 2200(100%) |
| 16 | 2018/秋 | J | 401 | 558 | 496 | 533 | 12.6 | 25.0 | 13.5 | 14.8 | 171 | 0 | 304 | -295 | 2177(100%) |
| 17 | 2018/年 | J | 397 | 597 | 490 | 539 | 12.5 | 25.0 | 13.2 | 13.5 | 692 | 0 | 304 | -299 | 8742(100%) |

3-2-5

表3.2.6 2018年金門海域 S 站修補前潮差週期及潮位重要統計量統計表

| 序 號 | 日期 (年/月) | 測 站 | 平均 潮差 (公分) | 最大 潮差 (公分) | 1/3 潮差 (公分) | 1/10 潮差 (公分) | 平均 週期 (時) | 最大 週期 (時) | 1/3 週期 (時) | 1/10 週期 (時) | 潮差 個數 (個) | 平均 潮位 (公分) | 最高 潮位 (公分) | 最低 潮位 (公分) | 水位 點數 (個) |
|--------|-------------|--------|------------------|------------------|-------------------|--------------------|-----------------|-----------------|------------------|-------------------|-----------------|------------------|------------------|------------------|-----------------|
| 1 | 2017/12 | S | 391 | 572 | 471 | 533 | 14.0 | 25.0 | 17.7 | 25.0 | 46 | 0 | 286 | -326 | 647(87%) |
| 2 | 2018/01 | S | 394 | 592 | 483 | 579 | 14.6 | 26.0 | 19.9 | 25.5 | 28 | 0 | 275 | -329 | 487(66%) |
| 3 | 2018/02 | S | 380 | 506 | 446 | 481 | 14.8 | 25.0 | 19.8 | 25.0 | 37 | 0 | 288 | -292 | 578(86%) |
| 4 | 2018/03 | S | 392 | 543 | 489 | 531 | 13.6 | 25.0 | 16.3 | 25.0 | 54 | 0 | 267 | -294 | 734(99%) |
| 5 | 2018/04 | S | 372 | 515 | 470 | 499 | 13.0 | 26.0 | 14.8 | 19.3 | 44 | 0 | 264 | -267 | 704(98%) |
| 6 | 2018/05 | S | 377 | 553 | 461 | 524 | 15.3 | 25.0 | 21.8 | 25.0 | 47 | 0 | 260 | -300 | 724(97%) |
| 7 | 2018/06 | S | 387 | 570 | 479 | 552 | 13.4 | 25.0 | 15.9 | 22.4 | 50 | 0 | 296 | -287 | 698(97%) |
| 8 | 2018/07 | S | 394 | 573 | 491 | 556 | 13.8 | 26.0 | 17.4 | 25.2 | 53 | 0 | 283 | -309 | 732(98%) |
| 9 | 2018/08 | S | 396 | 582 | 490 | 552 | 13.6 | 25.0 | 16.3 | 24.6 | 54 | 0 | 296 | -302 | 734(99%) |
| 10 | 2018/09 | S | 396 | 569 | 494 | 542 | 13.9 | 25.0 | 17.4 | 25.0 | 51 | 0 | 289 | -282 | 709(99%) |
| 11 | 2018/10 | S | 403 | 543 | 495 | 526 | 12.9 | 25.0 | 14.3 | 18.0 | 57 | 0 | 288 | -281 | 733(99%) |
| 12 | 2018/11 | S | 392 | 562 | 489 | 535 | 13.9 | 26.0 | 17.2 | 25.2 | 51 | 0 | 262 | -301 | 708(98%) |
| 13 | 2018/冬 | S | 388 | 592 | 465 | 520 | 14.4 | 26.0 | 18.8 | 25.1 | 111 | 0 | 288 | -329 | 1712(79%) |
| 14 | 2018/春 | S | 381 | 553 | 476 | 518 | 14.0 | 26.0 | 17.5 | 25.1 | 145 | 0 | 267 | -300 | 2162(98%) |
| 15 | 2018/夏 | S | 393 | 582 | 487 | 556 | 13.6 | 26.0 | 16.5 | 24.7 | 157 | 0 | 296 | -309 | 2164(98%) |
| 16 | 2018/秋 | S | 397 | 569 | 494 | 535 | 13.5 | 26.0 | 16.2 | 24.1 | 159 | 0 | 289 | -301 | 2150(98%) |
| 17 | 2018/年 | S | 390 | 592 | 482 | 535 | 13.8 | 26.0 | 17.1 | 25.0 | 572 | 0 | 296 | -329 | 8188(94%) |

表3.2.7 2018年金門海域 X 站修補前潮差週期及潮位重要統計量統計表

| 序號 | 日期 (年/月) | 測站 | 平均 潮差 (公分) | 最大 潮差 (公分) | 1/3 潮差 (公分) | 1/10 潮差 (公分) | 平均 週期 (時) | 最大 週期 (時) | 1/3 週期 (時) | 1/10 週期 (時) | 潮差 個數 (個) | 平均 潮位 (公分) | 最高 潮位 (公分) | 最低 潮位 (公分) | 水位 點數 (個) |
|----|-------------|----|------------------|------------------|-------------------|--------------------|-----------------|-----------------|------------------|-------------------|-----------------|------------------|------------------|------------------|-----------------|
| 1 | 2017/12 | X | 458 | 590 | 541 | 590 | 14.0 | 25.0 | 17.8 | 25.0 | 15 | 0 | 285 | -314 | 226(30%) |
| 2 | 2018/01 | X | 368 | 463 | 434 | 460 | 15.1 | 26.0 | 21.6 | 25.5 | 23 | 0 | 251 | -283 | 352(47%) |
| 3 | 2018/02 | X | 407 | 558 | 483 | 546 | 15.0 | 25.0 | 20.8 | 25.0 | 28 | 0 | 284 | -280 | 507(75%) |
| 4 | 2018/03 | X | 420 | 536 | 491 | 533 | 15.0 | 25.0 | 20.5 | 25.0 | 33 | 0 | 265 | -313 | 505(68%) |
| 5 | 2018/04 | X | 376 | 522 | 469 | 496 | 13.6 | 25.0 | 16.4 | 24.6 | 51 | 0 | 262 | -268 | 701(97%) |
| 6 | 2018/05 | X | 376 | 551 | 460 | 525 | 13.1 | 25.0 | 15.3 | 20.4 | 52 | 0 | 250 | -302 | 681(92%) |
| 7 | 2018/06 | X | 361 | 431 | 417 | 431 | 12.4 | 13.0 | 13.0 | 13.0 | 17 | 0 | 214 | -248 | 223(31%) |
| 8 | 2018/07 | X | 390 | 556 | 481 | 544 | 12.6 | 24.0 | 13.6 | 15.4 | 58 | 0 | 284 | -300 | 741(100%) |
| 9 | 2018/08 | X | 395 | 568 | 484 | 547 | 12.4 | 14.0 | 13.2 | 13.8 | 59 | 0 | 289 | -299 | 744(100%) |
| 10 | 2018/09 | X | 404 | 554 | 510 | 547 | 12.5 | 14.0 | 13.3 | 14.0 | 32 | 0 | 293 | -273 | 434(60%) |
| 11 | 2018/10 | X | | | | | | | | | | | | | |
| 12 | 2018/11 | X | | | | | | | | | | | | | |
| 13 | 2018/冬 | X | 405 | 590 | 485 | 546 | 14.8 | 26.0 | 20.0 | 25.2 | 66 | 0 | 285 | -314 | 1085(50%) |
| 14 | 2018/春 | X | 386 | 551 | 474 | 519 | 13.8 | 25.0 | 17.0 | 24.8 | 136 | 0 | 265 | -313 | 1887(86%) |
| 15 | 2018/夏 | X | 388 | 568 | 474 | 537 | 12.5 | 24.0 | 13.4 | 14.2 | 134 | 0 | 289 | -300 | 1708(77%) |
| 16 | 2018/秋 | X | 404 | 554 | 511 | 548 | 12.5 | 14.0 | 13.3 | 14.0 | 32 | 0 | 293 | -273 | 434(20%) |
| 17 | 2018/年 | X | 392 | 590 | 479 | 534 | 13.4 | 26.0 | 15.9 | 22.6 | 368 | 0 | 293 | -314 | 5114(58%) |

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3.3 2018 年金門海域**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 Kin-Men seas of KMT0 at 2018

1 ○ 8 ● 15 ● 22 ●

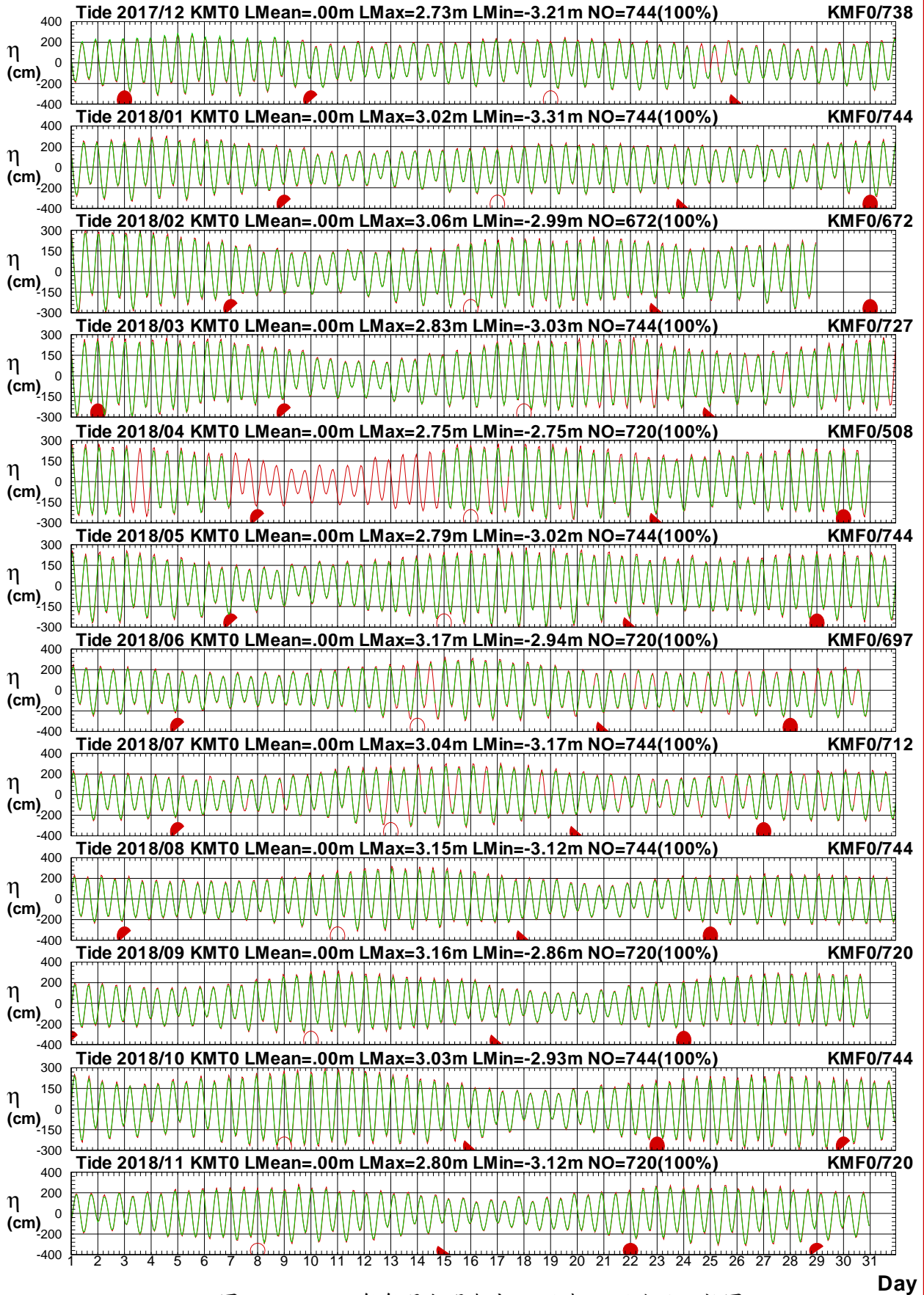


圖3.3.1 2018年每月金門海域 T 站與 F 站潮位比較圖

T17CKMT0.1HA T17CKMF0.1H0 T181KMT0.1HA T181KMF0.1H0 T182KMT0.1HA T182KMF0.1H0
T183KMT0.1HA T183KMF0.1H0 T184KMT0.1HA T184KMF0.1H0 T185KMT0.1HA T185KMF0.1H0

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Tidal Level in Kin-Men seas of KMT0 at 2018

1 ○ 8 ● 15 ● 22 ●

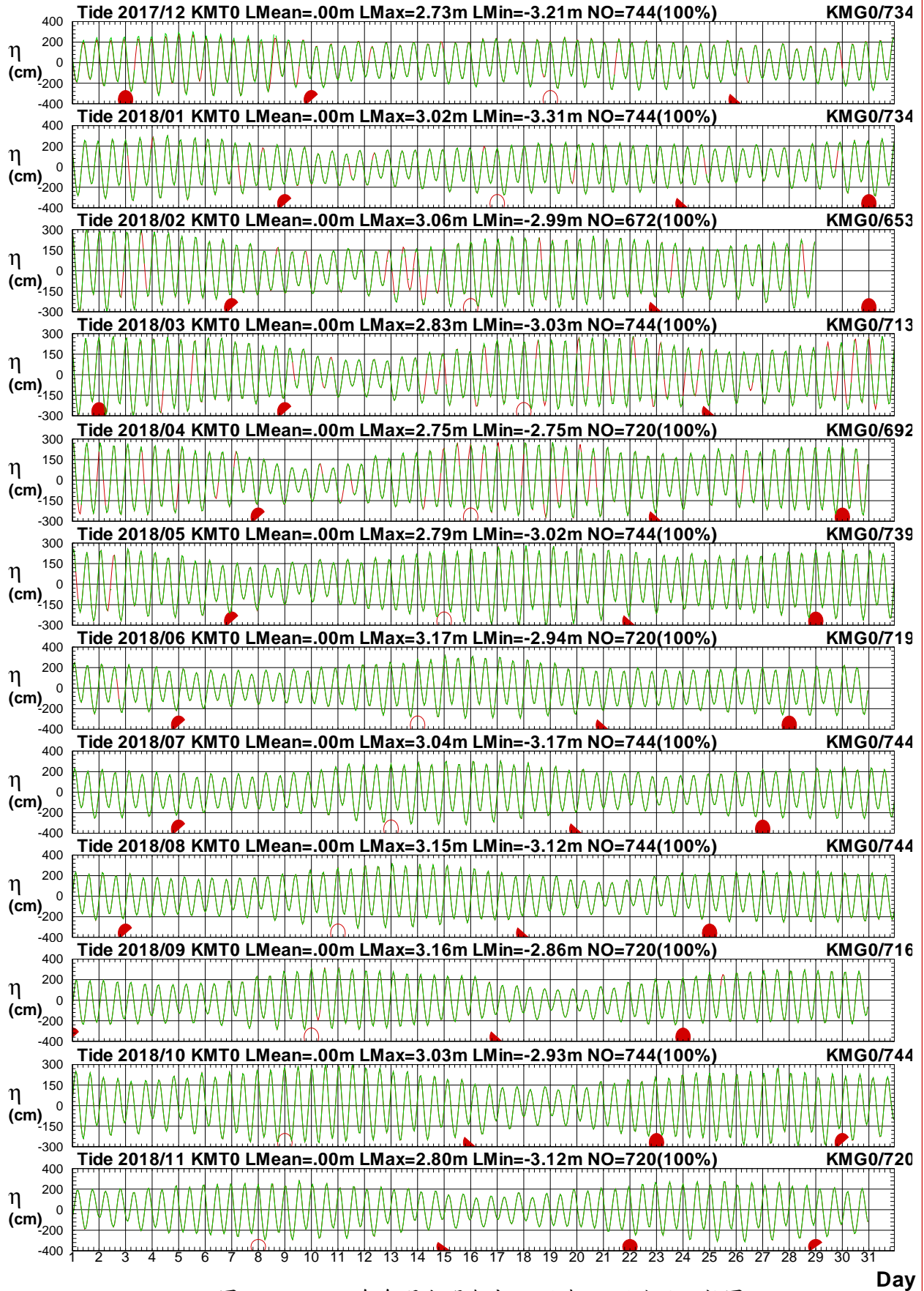


圖3.3.2 2018年每月金門海域 T 站與 G 站潮位比較圖

T17CKMT0.1HA T17CKMG0.1H0 T181KMT0.1HA T181KMG0.1H0 T182KMT0.1HA T182KMG0.1H0
 T183KMT0.1HA T183KMG0.1H0 T184KMT0.1HA T184KMG0.1H0 T185KMT0.1HA T185KMG0.1H0

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Tidal Level in Kin-Men seas of KMT0 at 2018

1 ○ 8 ● 15 ● 22 ●

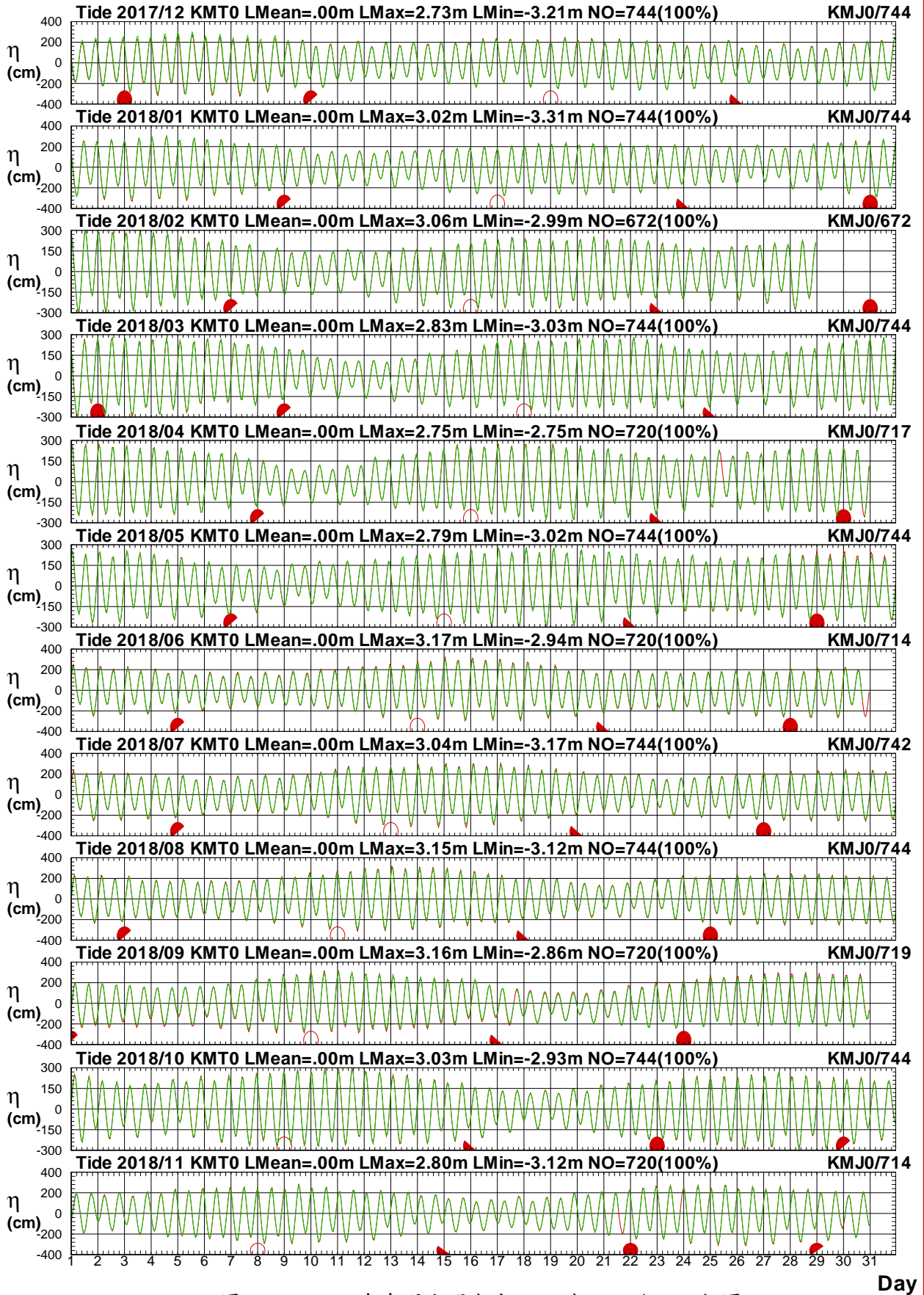


圖3.3.3 2018年每月金門海域 T 站與 J 站潮位比較圖

T17CKMT0.1HA T17CKMJ0.1H0 T181KMT0.1HA T181KMJ0.1H0 T182KMT0.1HA T182KMJ0.1H0
T183KMT0.1HA T183KMJ0.1H0 T184KMT0.1HA T184KMJ0.1H0 T185KMT0.1HA T185KMJ0.1H0

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Tidal Level in Kin-Men seas of KMT0 at 2018

1 ○ 8 ● 15 ● 22 ●

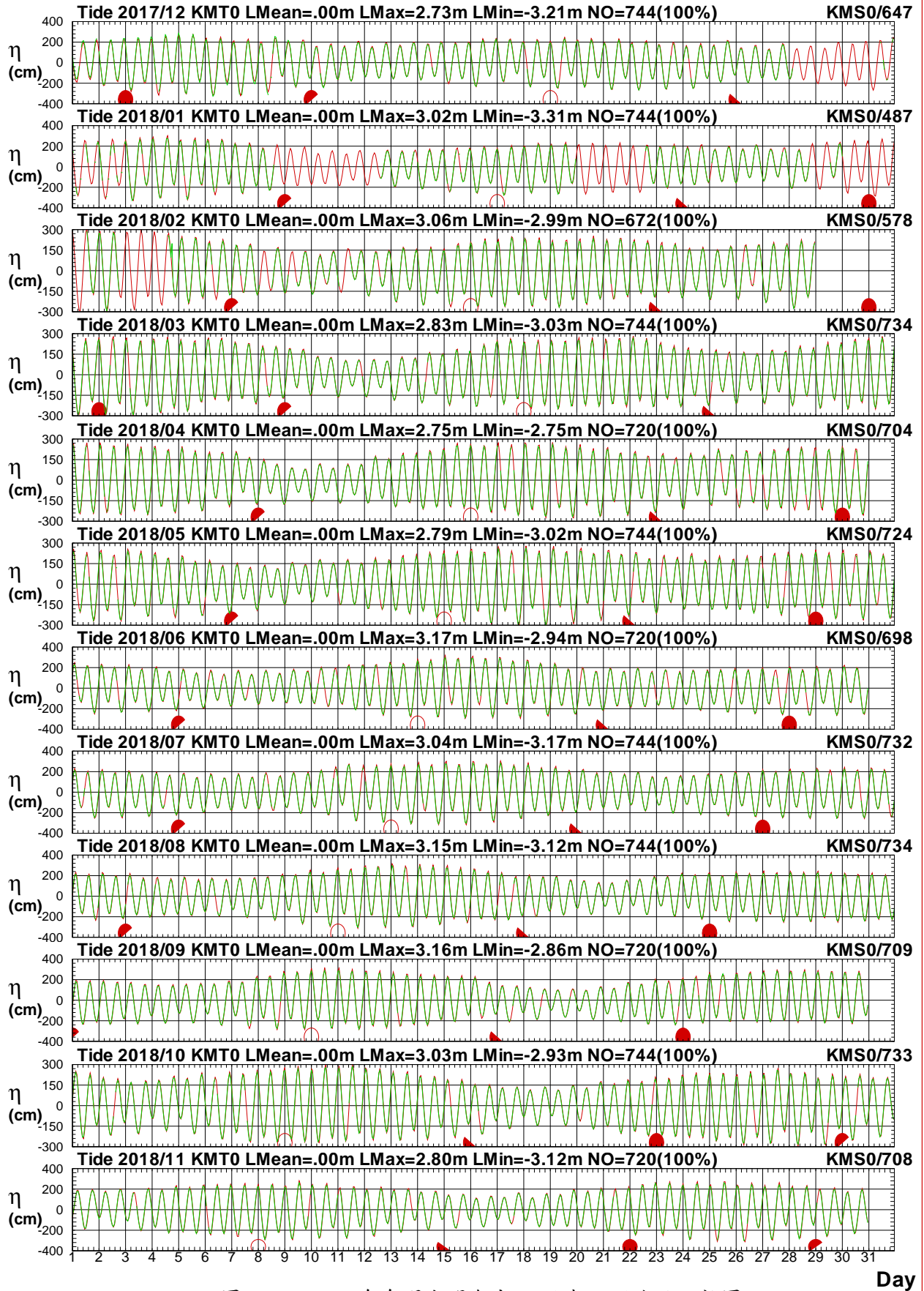


圖3.3.4 2018年每月金門海域 T 站與 S 站潮位比較圖

T17CKMT0.1HA T17CKMS0.1H0 T181KMT0.1HA T181KMS0.1H0 T182KMT0.1HA T182KMS0.1H0
 T183KMT0.1HA T183KMS0.1H0 T184KMT0.1HA T184KMS0.1H0 T185KMT0.1HA T185KMS0.1H0

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Tidal Level in Kin-Men seas of KMT0 at 2018

1 ○ 8 ● 15 ● 22 ●

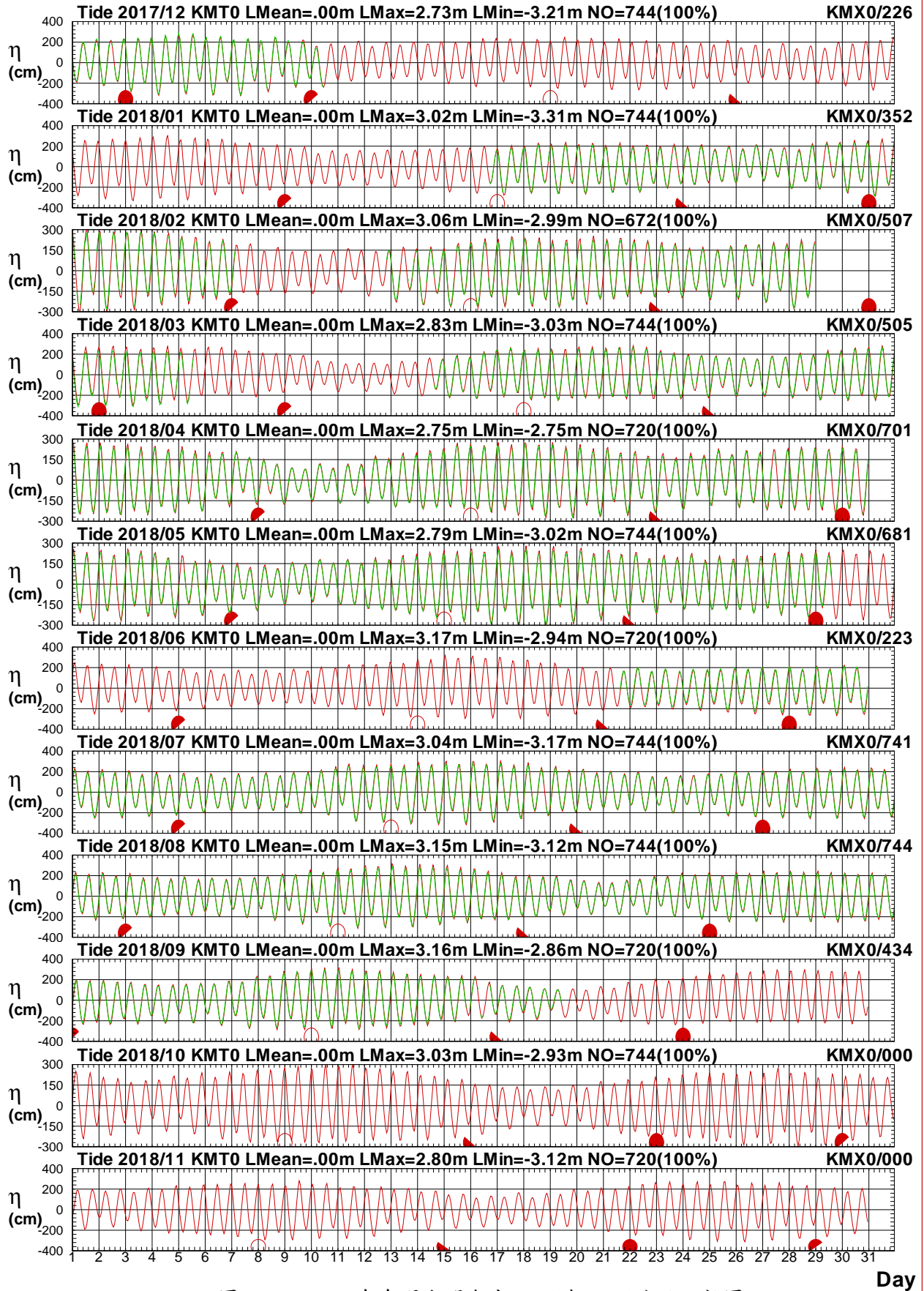


圖3.3.5 2018年每月金門海域 T 站與 X 站潮位比較圖

T17CKMT0.1HA T17CKMX0.1H0 T181KMT0.1HA T181KMX0.1H0 T182KMT0.1HA T182KMX0.1H0
 T183KMT0.1HA T183KMX0.1H0 T184KMT0.1HA T184KMX0.1H0 T185KMT0.1HA T185KMX0.1H0

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Tidal Level in Kin-Men seas of KMT0 at 2018

1 ○ 8 ● 15 ● 22 ●

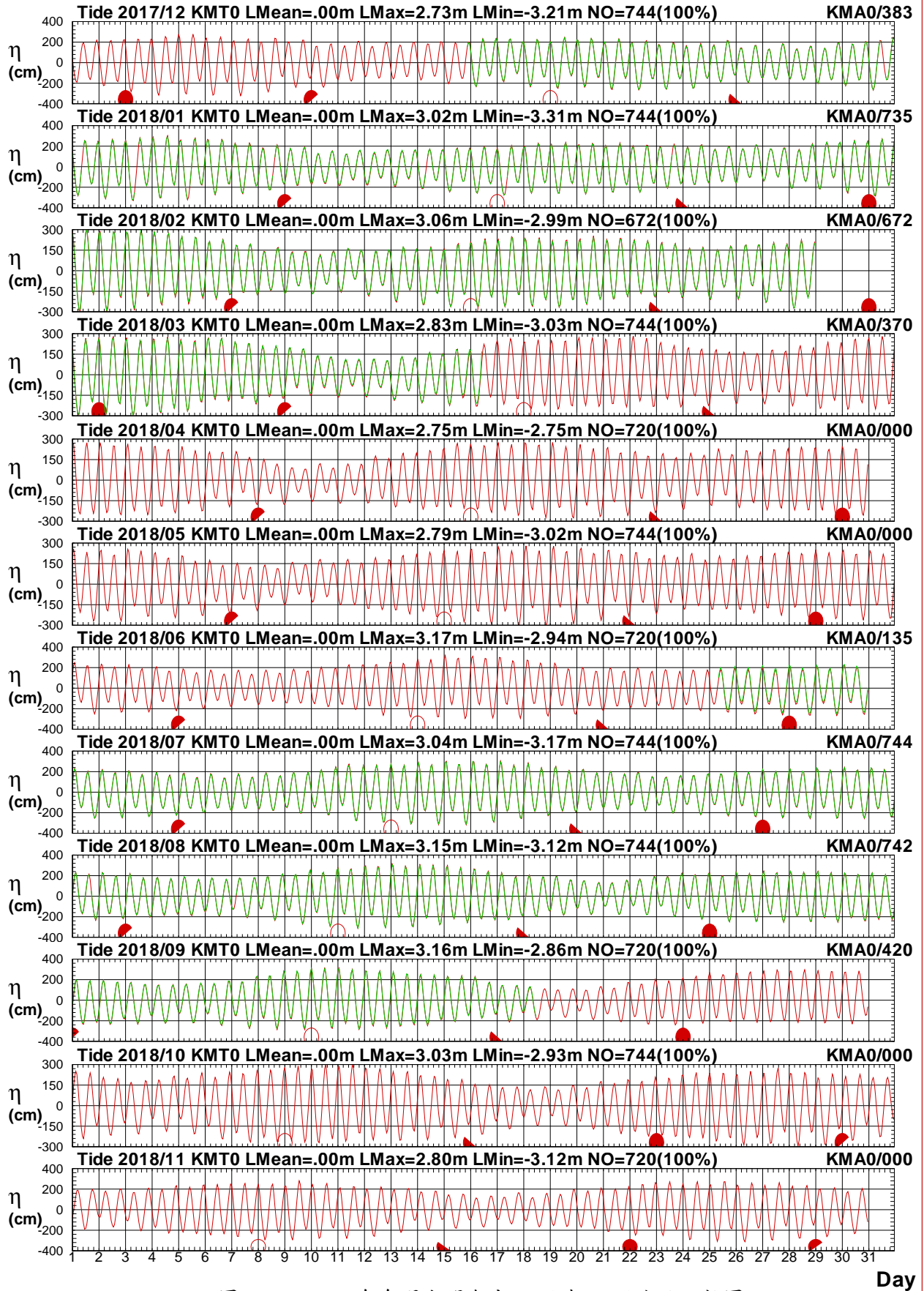


圖3.3.6 2018年每月金門海域 T 站與 A 站潮位比較圖

T17CKMT0.1HA T17CKMA0.1H0 T181KMT0.1HA T181KMA0.1H0 T182KMT0.1HA T182KMA0.1H0
 T183KMT0.1HA T183KMA0.1H0 T184KMT0.1HA T184KMA0.1H0 T185KMT0.1HA T185KMA0.1H0

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3.4 2018 年金門海域**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 Kin-Men seas of KMF0 at 2018

1 ○ 8 ● 15 ● 22 ●

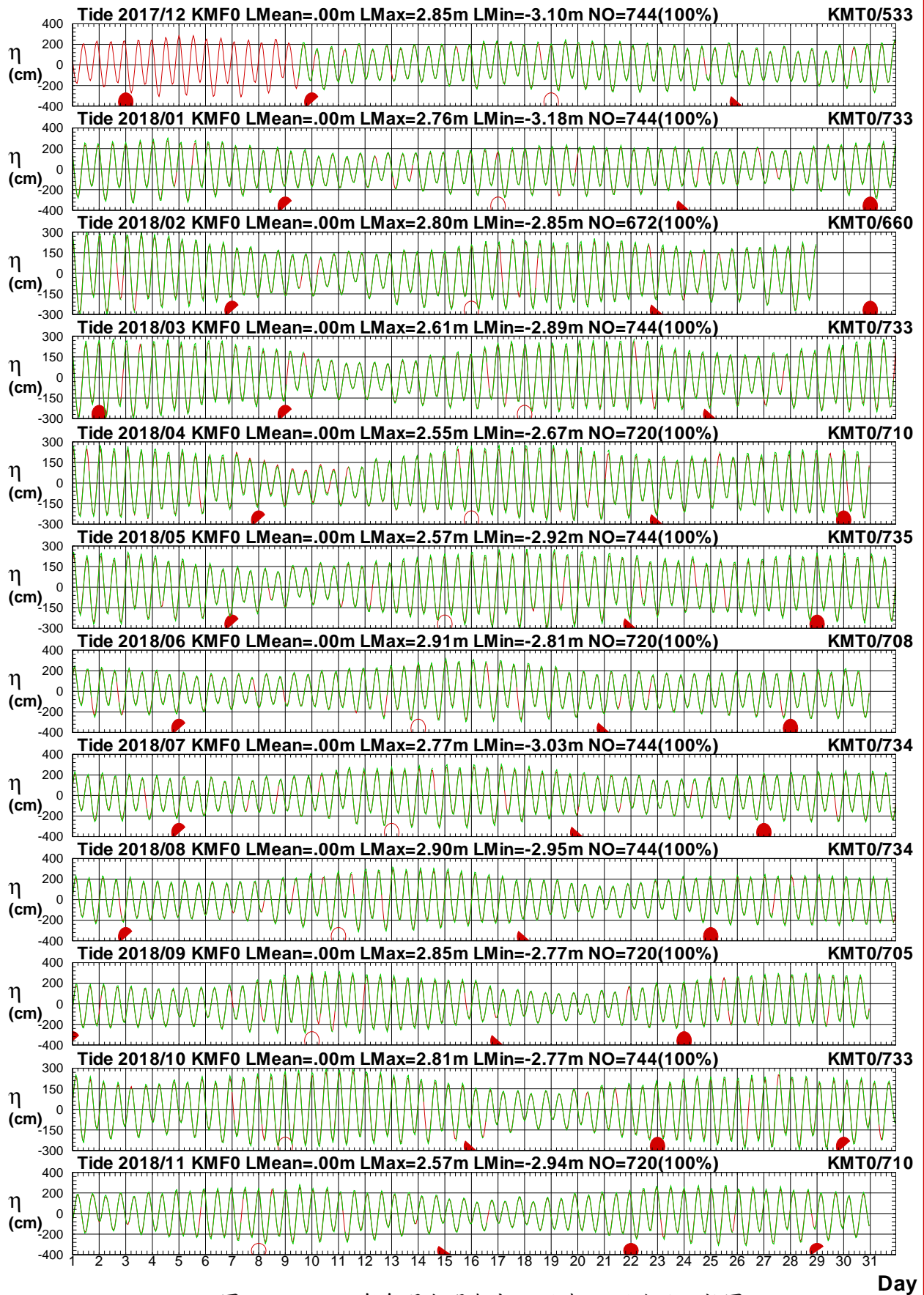


圖3.4.1 2018年每月金門海域 F 站與 T 站潮位比較圖

T17CKMF0.1HA T17CKMT0.1HO T181KMF0.1HA T181KMT0.1HO T182KMF0.1HA T182KMT0.1HO
T183KMF0.1HA T183KMT0.1HO T184KMF0.1HA T184KMT0.1HO T185KMF0.1HA T185KMT0.1HO

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Tidal Level in Kin-Men seas of KMF0 at 2018

1 ○ 8 ● 15 ● 22 ●

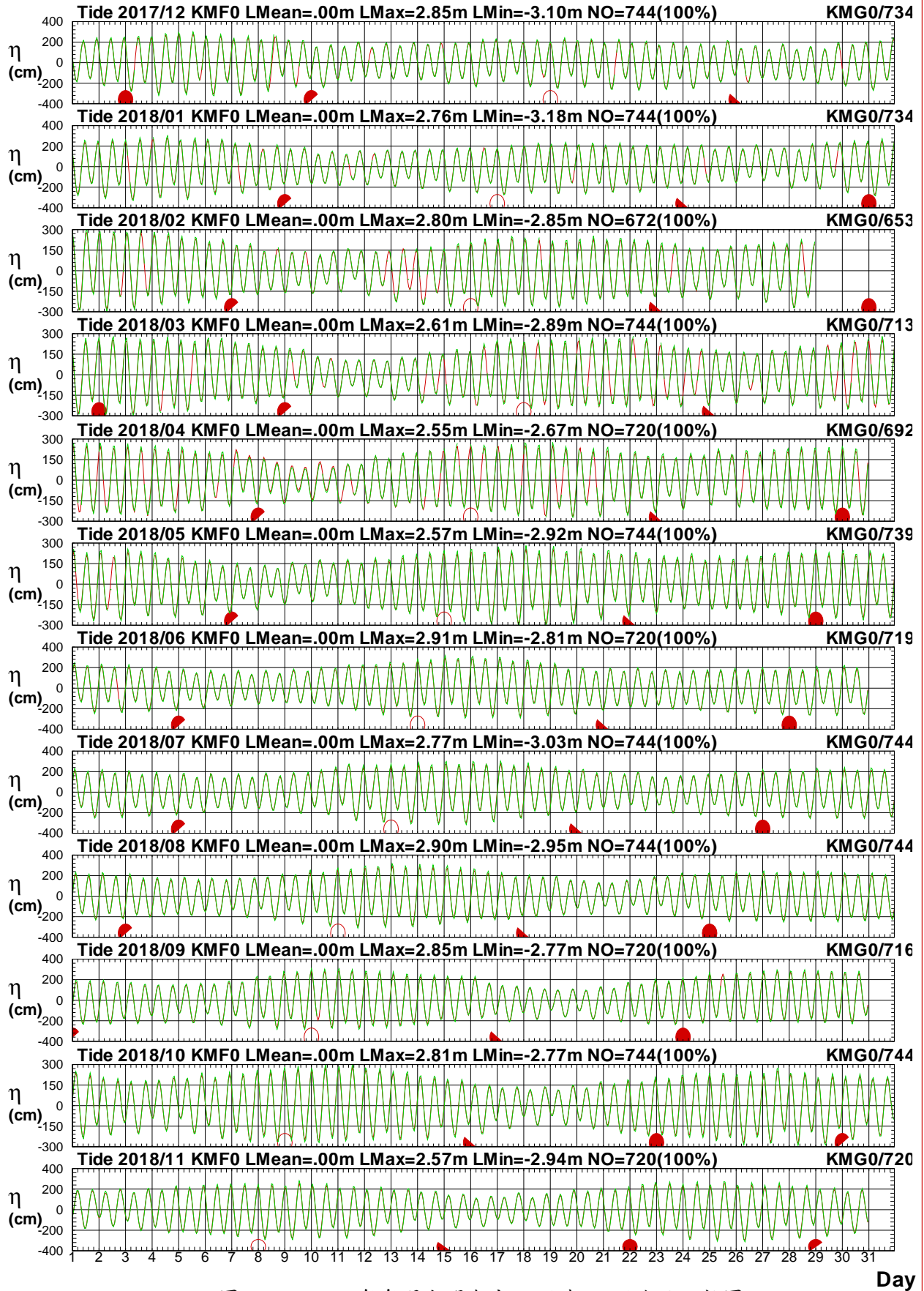


圖3.4.2 2018年每月金門海域 F 站與 G 站潮位比較圖

T17CKMF0.1HA T17CKMG0.1H0 T181KMF0.1HA T181KMG0.1H0 T182KMF0.1HA T182KMG0.1H0
 T183KMF0.1HA T183KMG0.1H0 T184KMF0.1HA T184KMG0.1H0 T185KMF0.1HA T185KMG0.1H0

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Tidal Level in Kin-Men seas of KMF0 at 2018

1 ○ 8 ● 15 ● 22 ●

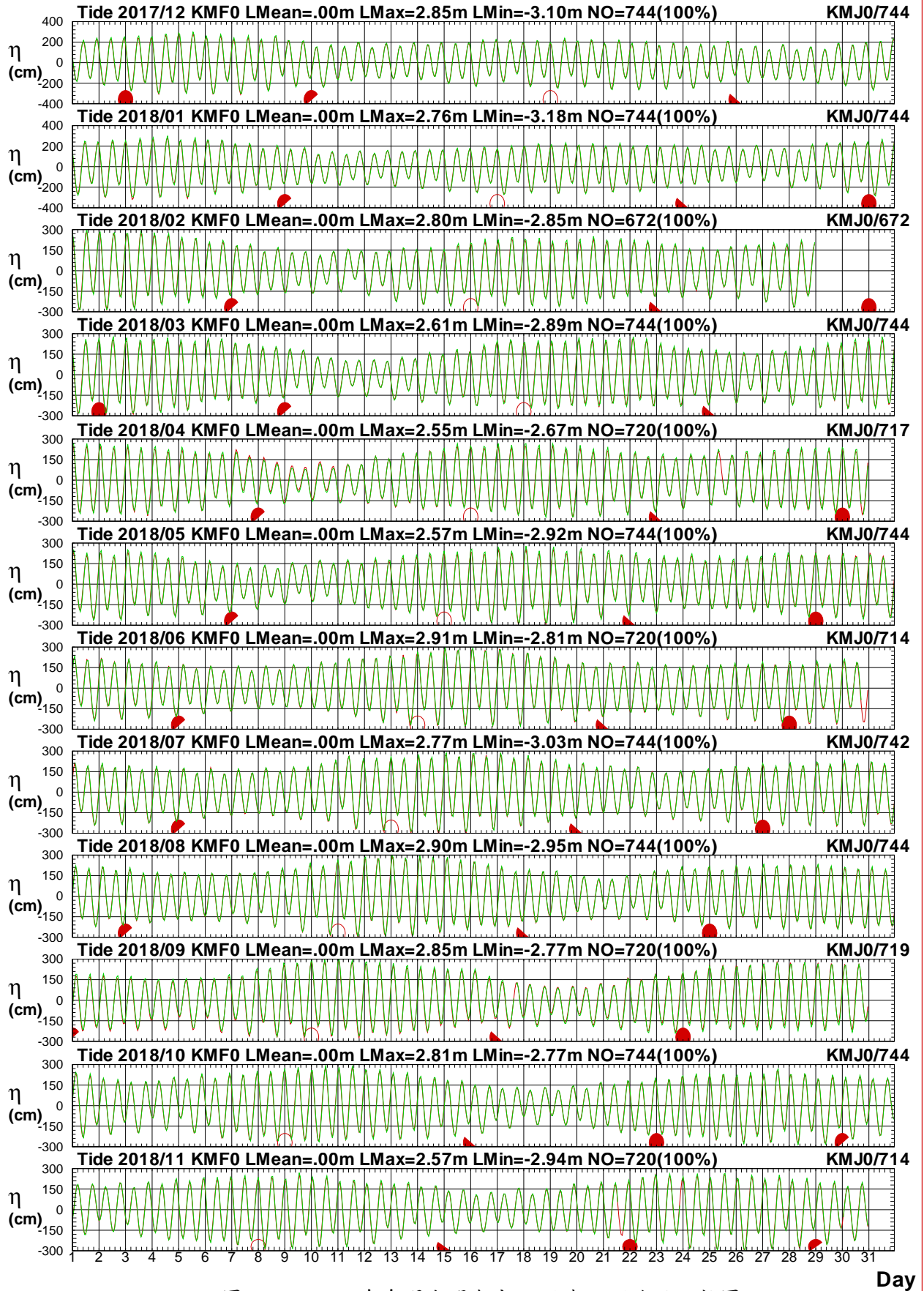


圖3.4.3 2018年每月金門海域 F 站與 J 站潮位比較圖

T17CKMF0.1HA T17CKMJ0.1H0 T181KMF0.1HA T181KMJ0.1H0 T182KMF0.1HA T182KMJ0.1H0
 T183KMF0.1HA T183KMJ0.1H0 T184KMF0.1HA T184KMJ0.1H0 T185KMF0.1HA T185KMJ0.1H0

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Tidal Level in Kin-Men seas of KMF0 at 2018

1 ○ 8 ● 15 ● 22 ●

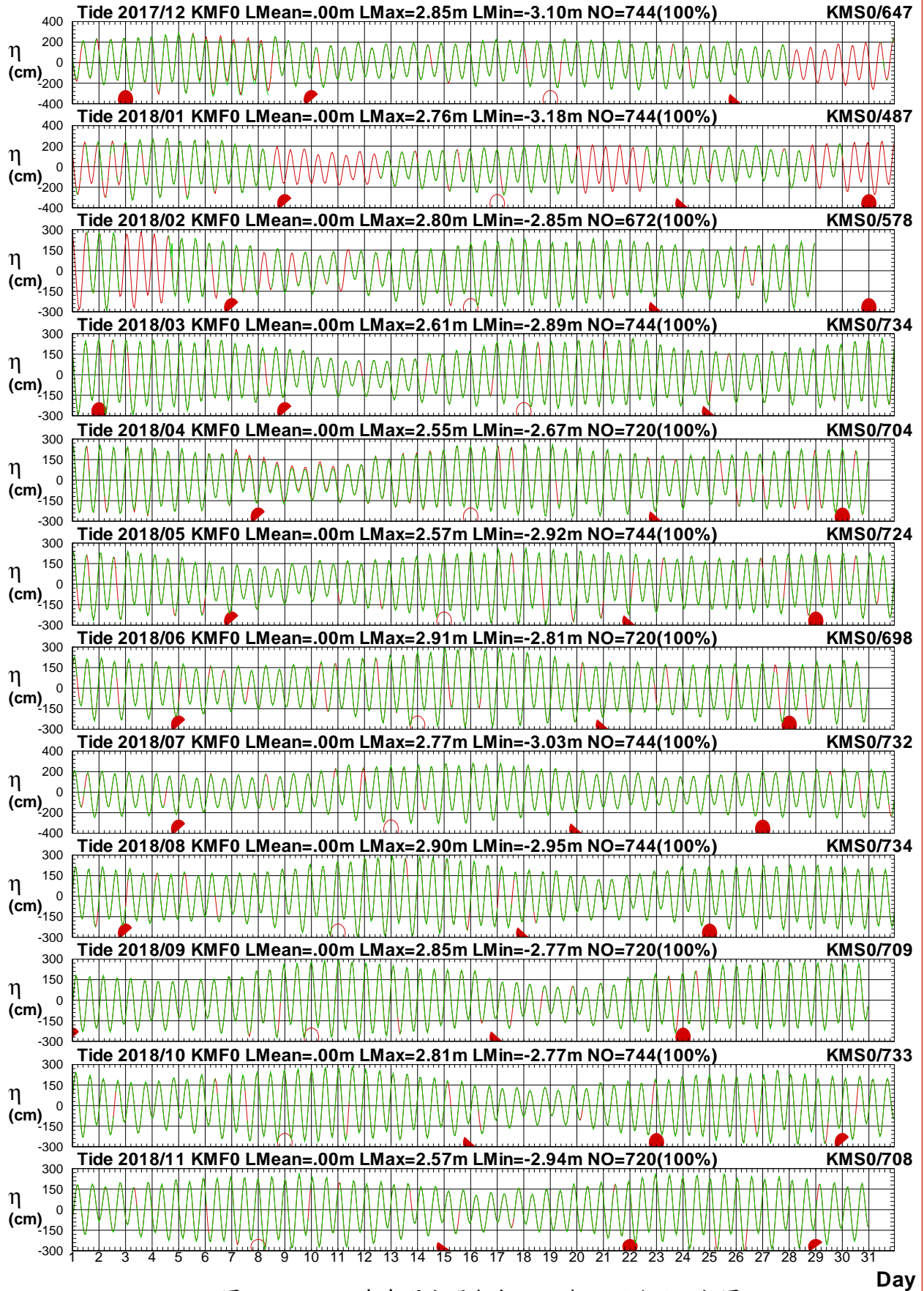


圖3.4.4 2018年每月金門海域 F 站與 S 站潮位比較圖

T17CKMF0.1HA T17CKMS0.1H0 T181KMF0.1HA T181KMS0.1H0 T182KMF0.1HA T182KMS0.1H0
 T183KMF0.1HA T183KMS0.1H0 T184KMF0.1HA T184KMS0.1H0 T185KMF0.1HA T185KMS0.1H0

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Tidal Level in Kin-Men seas of KMF0 at 2018

1 ○ 8 ● 15 ● 22 ●

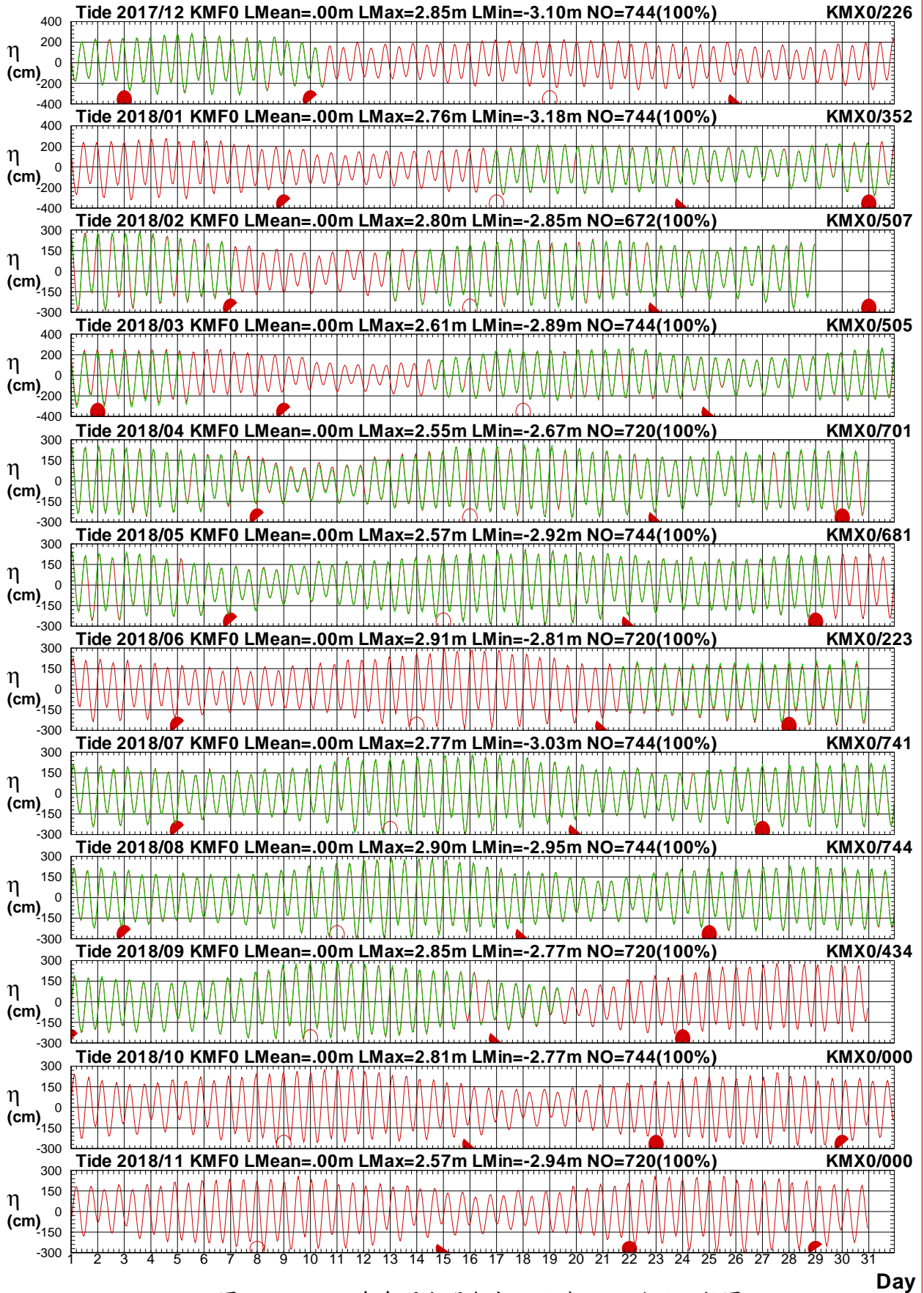


圖3.4.5 2018年每月金門海域 F 站與 X 站潮位比較圖

T17CKMF0.1HA T17CKMX0.1H0 T181KMF0.1HA T181KMX0.1H0 T182KMF0.1HA T182KMX0.1H0
 T183KMF0.1HA T183KMX0.1H0 T184KMF0.1HA T184KMX0.1H0 T185KMF0.1HA T185KMX0.1H0

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Tidal Level in Kin-Men seas of KMF0 at 2018

1 ○ 8 ● 15 ● 22 ●

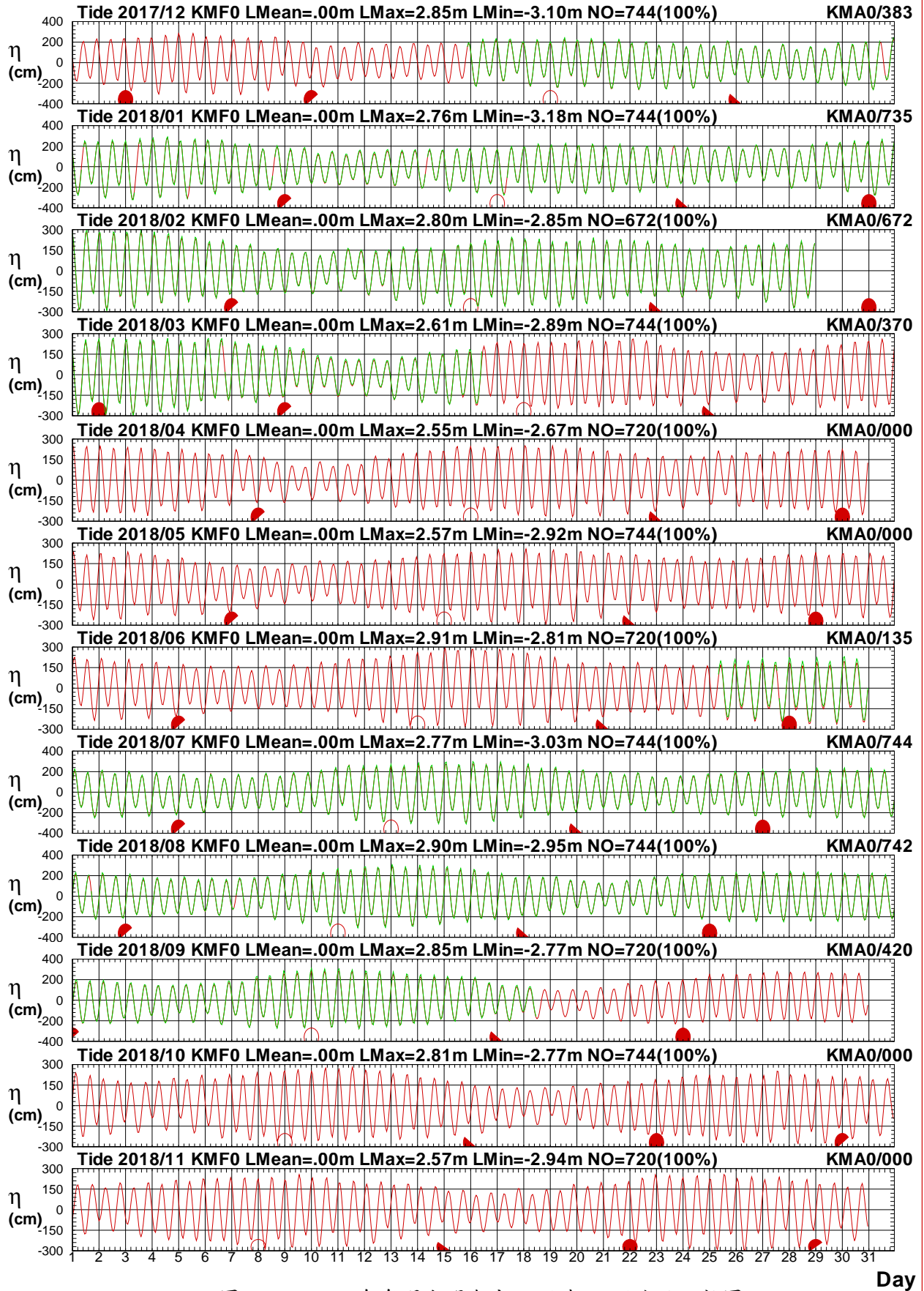


圖3.4.6 2018年每月金門海域 F 站與 A 站潮位比較圖

T17CKMF0.1HA T17CKMA0.1H0 T181KMF0.1HA T181KMA0.1H0 T182KMF0.1HA T182KMA0.1H0
 T183KMF0.1HA T183KMA0.1H0 T184KMF0.1HA T184KMA0.1H0 T185KMF0.1HA T185KMA0.1H0

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3.5 2018 年金門海域**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 Kin-Men seas of KMG0 at 2018

1 ○ 8 ● 15 ● 22 ●

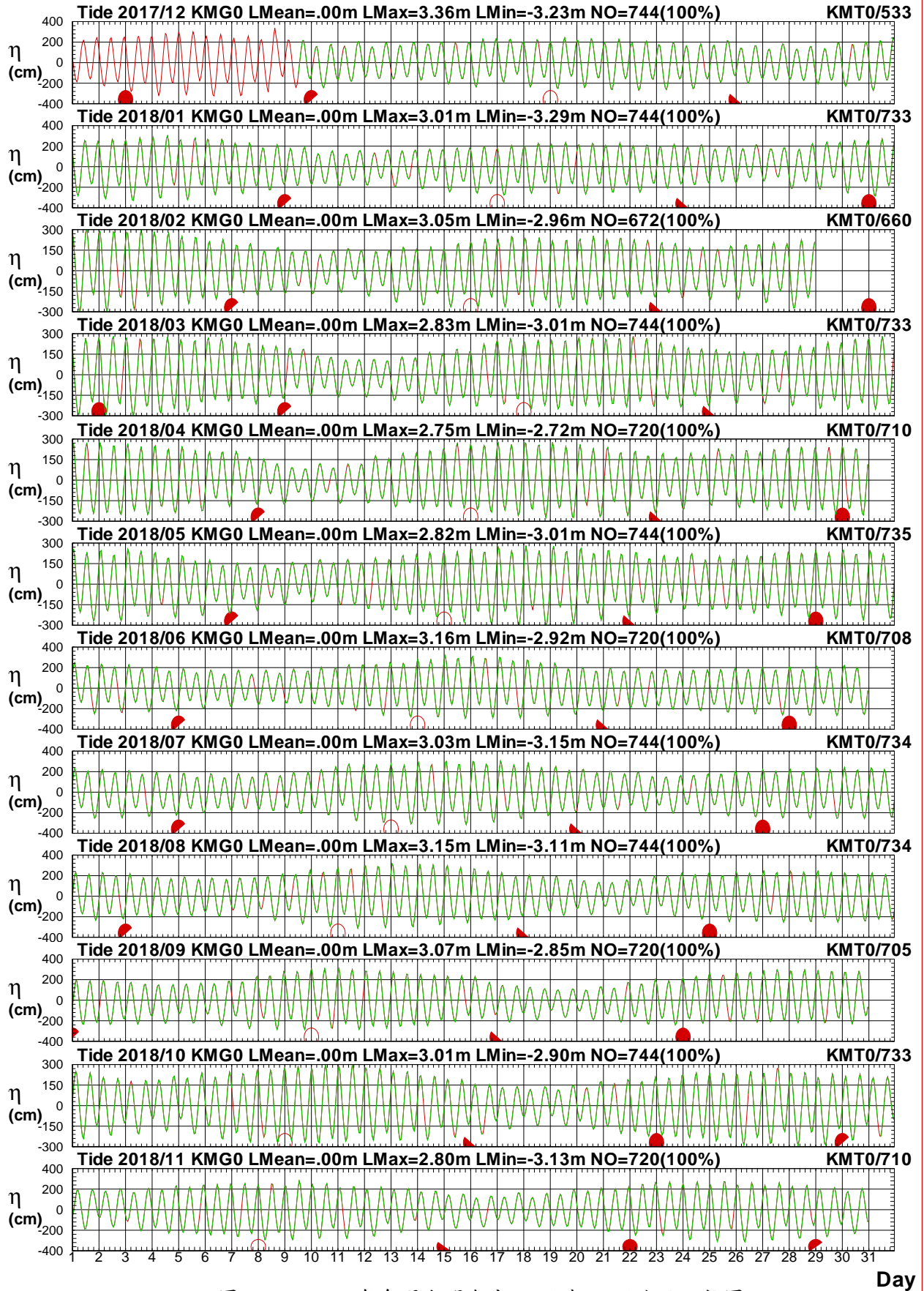


圖3.5.1 2018年每月金門海域 G 站與 T 站潮位比較圖

T17CKMG0.1HA T17CKMT0.1H0 T181KMG0.1HA T181KMT0.1H0 T182KMG0.1HA T182KMT0.1H0
T183KMG0.1HA T183KMT0.1H0 T184KMG0.1HA T184KMT0.1H0 T185KMG0.1HA T185KMT0.1H0

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Tidal Level in Kin-Men seas of KMG0 at 2018

1 ○ 8 ● 15 ● 22 ●

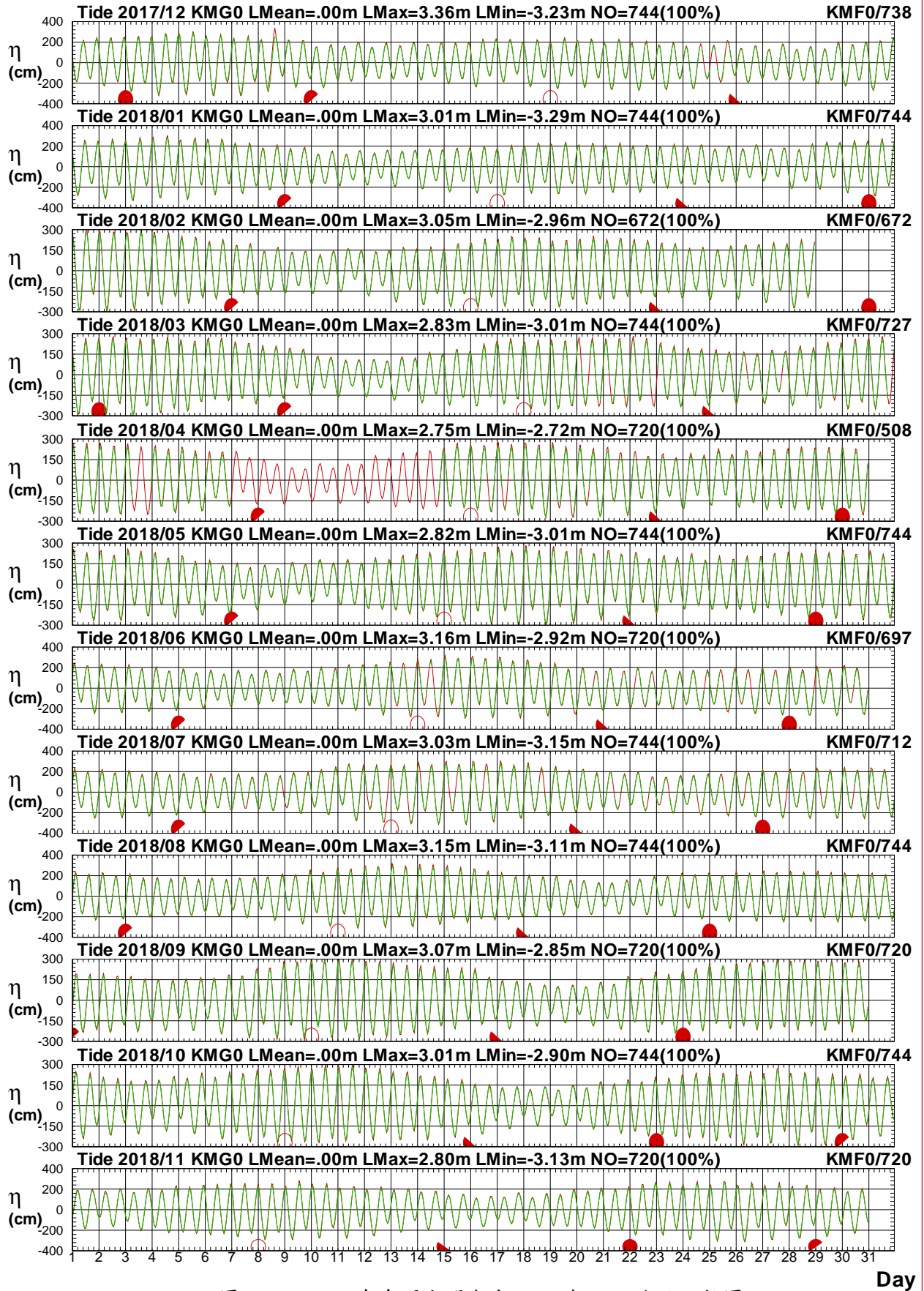


圖3.5.2 2018年每月金門海域 G 站與 F 站潮位比較圖

T17CKMG0.1HA T17CKMF0.1H0 T181KMG0.1HA T181KMF0.1H0 T182KMG0.1HA T182KMF0.1H0
 T183KMG0.1HA T183KMF0.1H0 T184KMG0.1HA T184KMF0.1H0 T185KMG0.1HA T185KMF0.1H0

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Tidal Level in Kin-Men seas of KMG0 at 2018

1 ○ 8 ● 15 ● 22 ●

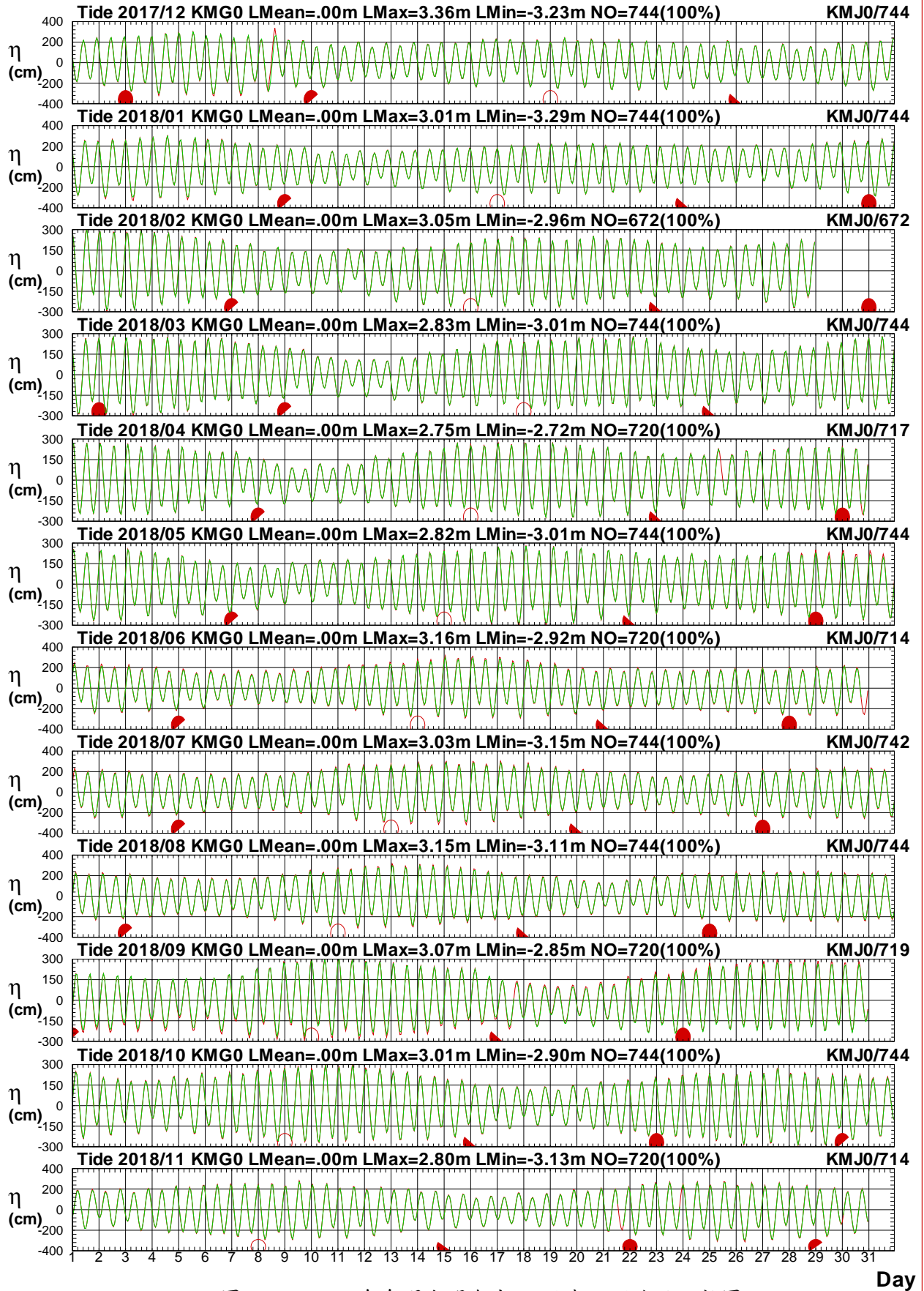


圖3.5.3 2018年每月金門海域 G 站與 J 站潮位比較圖

T17CKMG0.1HA T17CKMJ0.1H0 T181KMG0.1HA T181KMJ0.1H0 T182KMG0.1HA T182KMJ0.1H0
T183KMG0.1HA T183KMJ0.1H0 T184KMG0.1HA T184KMJ0.1H0 T185KMG0.1HA T185KMJ0.1H0

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Tidal Level in Kin-Men seas of KMG0 at 2018

1 ○ 8 ● 15 ● 22 ●

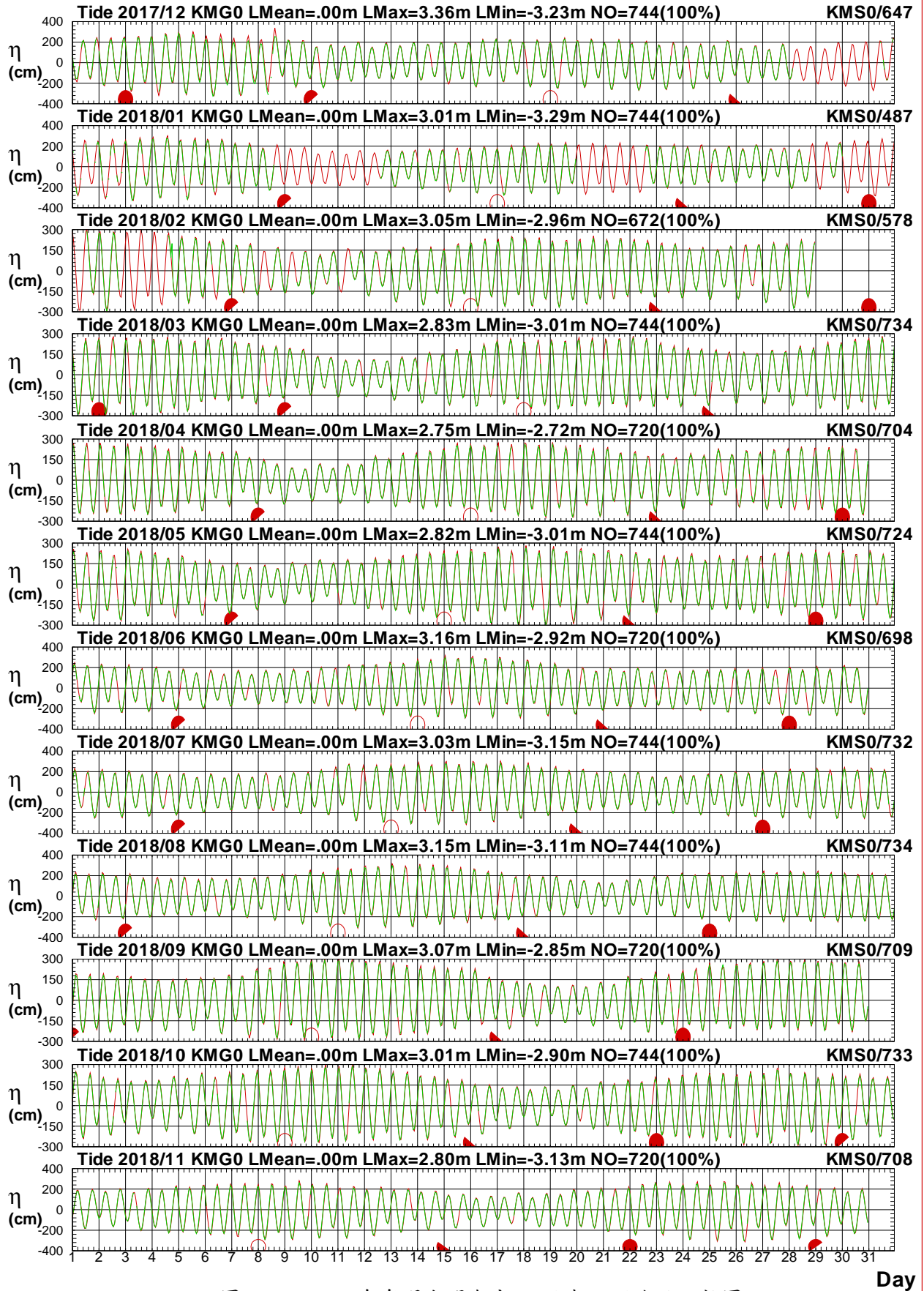


圖3.5.4 2018年每月金門海域 G 站與 S 站潮位比較圖

T17CKMG0.1HA T17CKMS0.1H0 T181KMG0.1HA T181KMS0.1H0 T182KMG0.1HA T182KMS0.1H0
 T183KMG0.1HA T183KMS0.1H0 T184KMG0.1HA T184KMS0.1H0 T185KMG0.1HA T185KMS0.1H0

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Tidal Level in Kin-Men seas of KMG0 at 2018

1 ○ 8 ● 15 ● 22 ●

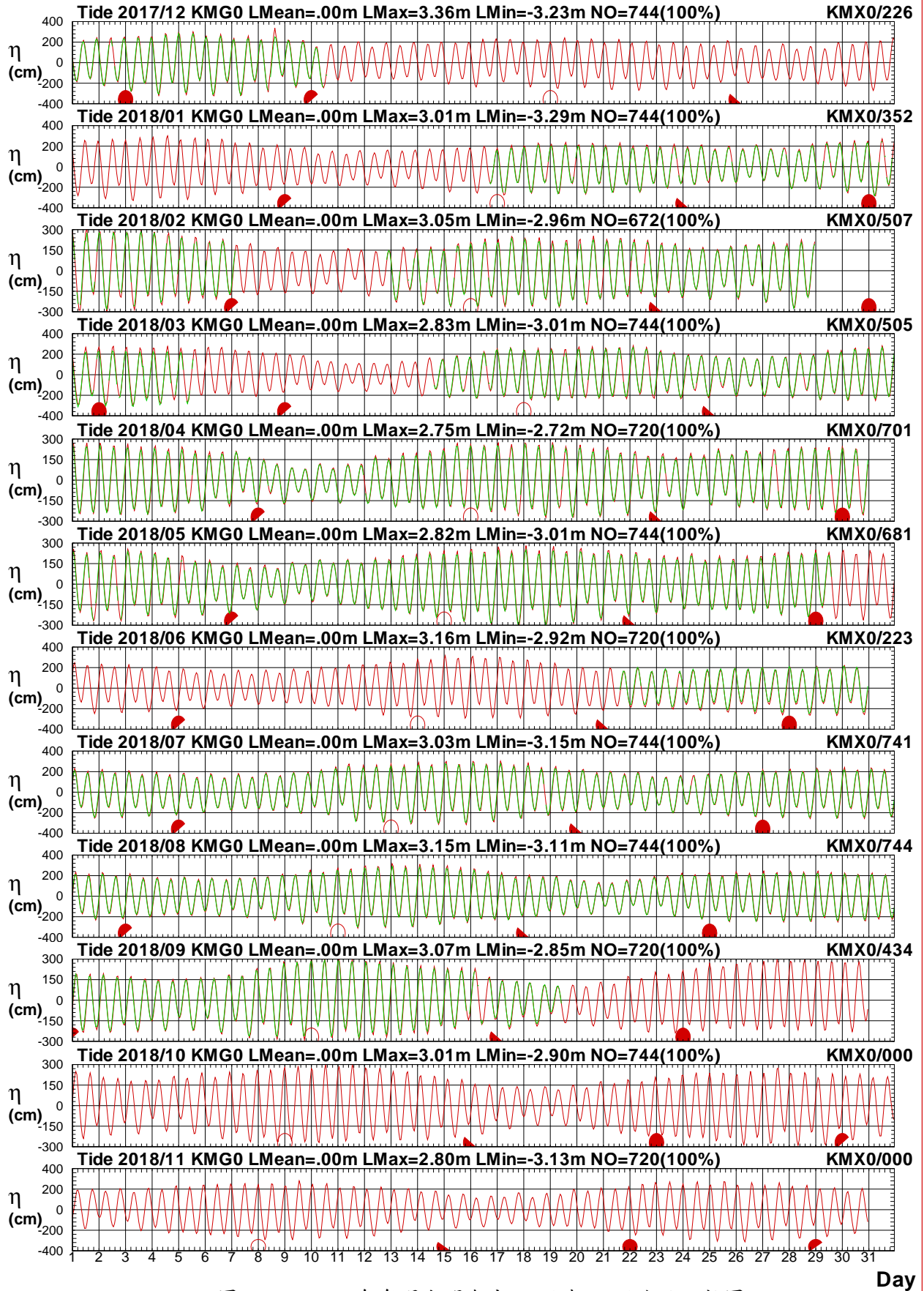


圖3.5.5 2018年每月金門海域 G 站與 X 站潮位比較圖

T17CKMG0.1HA T17CKMX0.1H0 T181KMG0.1HA T181KMX0.1H0 T182KMG0.1HA T182KMX0.1H0
 T183KMG0.1HA T183KMX0.1H0 T184KMG0.1HA T184KMX0.1H0 T185KMG0.1HA T185KMX0.1H0

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Tidal Level in Kin-Men seas of KMG0 at 2018

1 ○ 8 ● 15 ● 22 ●

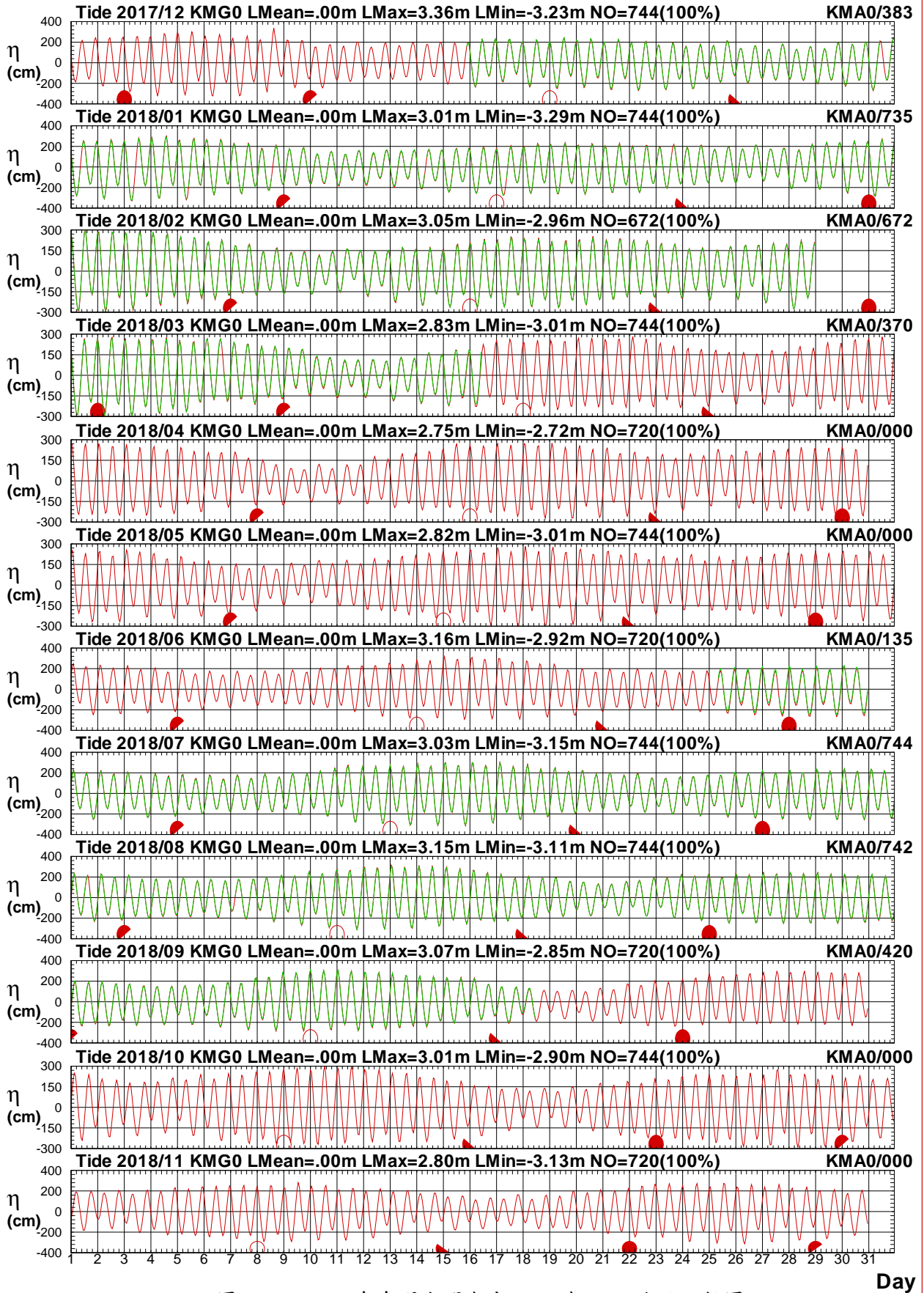


圖3.5.6 2018年每月金門海域 G 站與 A 站潮位比較圖

T17CKMG0.1HA T17CKMA0.1H0 T181KMG0.1HA T181KMA0.1H0 T182KMG0.1HA T182KMA0.1H0
T183KMG0.1HA T183KMA0.1H0 T184KMG0.1HA T184KMA0.1H0 T185KMG0.1HA T185KMA0.1H0

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第四章 2018 年金門海域觀測海流資料年報

金門海域海流之觀測包括測站 X、測站 Y 及測站 A 等 3 個測站(測站位置如第 0 章圖 CM1)。

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 年金門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 年每月金門海域各測站觀測海流資料紀錄表

| 海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 |
|-----------|-------------|-------------|-------------|------|------|------|------|------|------|------|------|------|
| 年月/測站 | X | Y | A | Z | | | | | | | | |
| 2017/12 月 | 226(30.4%) | 687(92.3%) | 383(51.5%) | * | * | * | * | * | * | * | * | * |
| 2018/ 1 月 | 352(47.3%) | 644(86.6%) | 721(96.9%) | * | * | * | * | * | * | * | * | * |
| 2018/ 2 月 | 507(75.4%) | 556(82.7%) | 639(95.1%) | * | * | * | * | * | * | * | * | * |
| 2018/ 3 月 | 505(67.9%) | 645(86.7%) | 308(41.4%) | * | * | * | * | * | * | * | * | * |
| 2018/ 4 月 | 701(97.4%) | 640(88.9%) | * | * | * | * | * | * | * | * | * | * |
| 2018/ 5 月 | 681(91.5%) | 711(95.6%) | * | * | * | * | * | * | * | * | * | * |
| 2018/ 6 月 | 223(31.0%) | 678(94.2%) | 135(18.8%) | * | * | * | * | * | * | * | * | * |
| 2018/ 7 月 | 741(99.6%) | 516(69.4%) | 738(99.2%) | * | * | * | * | * | * | * | * | * |
| 2018/ 8 月 | 744(100%) | 39(5.2%) | 742(99.7%) | * | * | * | * | * | * | * | * | * |
| 2018/ 9 月 | 434(60.3%) | 395(54.9%) | 434(60.3%) | * | * | * | * | * | * | * | * | * |
| 2018/10 月 | * | 694(93.3%) | * | * | * | * | * | * | * | * | * | * |
| 2018/11 月 | * | 682(94.7%) | * | * | * | * | * | * | * | * | * | * |
| 2018/冬季 | 1085(50.2%) | 1887(87.4%) | 1743(80.7%) | * | * | * | * | * | * | * | * | * |
| 2018/春季 | 1887(85.5%) | 1996(90.4%) | 308(13.9%) | * | * | * | * | * | * | * | * | * |
| 2018/夏季 | 1708(77.4%) | 1233(55.8%) | 1615(73.1%) | * | * | * | * | * | * | * | * | * |
| 2018/秋季 | 434(19.9%) | 1771(81.1%) | 434(19.9%) | * | * | * | * | * | * | * | * | * |
| 2018/整年 | 5114(58.4%) | 6887(78.6%) | 4100(46.8%) | * | * | * | * | * | * | * | * | * |
| 起始年月 | 2017/12 | 2017/12 | 2017/12 | * | * | * | * | * | * | * | * | * |
| 結束年月 | 2018/09 | 2018/11 | 2018/09 | * | * | * | * | * | * | * | * | * |

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表4.1.1b 2018年每月金門海域計算潮流各測站資料紀錄表

| 海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 | 金門海域 |
|----------|------------|------------|-------------|------|------|------|------|------|------|------|------|------|
| 年月/測站 | X | Y | A | Z | | | | | | | | |
| 2017/12月 | 744(100%) | 744(100%) | 744(100%) | * | * | * | * | * | * | * | * | * |
| 2018/ 1月 | 744(100%) | 744(100%) | 743(99.9%) | * | * | * | * | * | * | * | * | * |
| 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%) | 2159(99.9%) | * | * | * | * | * | * | * | * | * |
| 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%) | 8759(99.9%) | * | * | * | * | * | * | * | * | * |
| 起始年月 | 2017/12 | 2017/12 | 2017/12 | * | * | * | * | * | * | * | * | * |
| 結束年月 | 2018/11 | 2018/11 | 2018/11 | * | * | * | * | * | * | * | * | * |

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4.2 2018 年金門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 年金門海域 X 站觀測流速及流向重要統計量統計表

| 序 號 | 日期 (年/月) | 觀測 點數 | 流速 平均值 (cm/s) | 平均流 流速/流向 (cm/s)/(來向) | 最大流 流速/流向 (cm/s)/(來向) | 1/2節流 <25.7 (%) | 1節流 ~51.4 (%) | 2節流 ~103 (%) | 大流 >103 (%) | 流向 N~E (%) | 流向 E~S (%) | 流向 S~W (%) | 流向 W~N (%) | 主要流向 方向/百分比 |
|--------|-------------|------------|---------------------|-----------------------------|-----------------------------|-----------------------|---------------------|--------------------|-------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 226(30%) | 43.2 | 21.3/S | 85.7/SSE | 26.1 | 33.2 | 40.7 | .0 | 3.5 | 59.7 | 9.3 | 27.4 | SSE/24.3% |
| 2 | 2018/01 | 352(47%) | 38.4 | 19.8/S | 90.9/WNW | 29.5 | 41.8 | 28.7 | .0 | .9 | 56.0 | 17.6 | 25.6 | SSE/25.9% |
| 3 | 2018/02 | 507(75%) | 41.9 | 20.8/S | 85.8/W | 25.2 | 38.3 | 36.5 | .0 | 3.0 | 59.4 | 12.0 | 25.6 | SSE/27.8% |
| 4 | 2018/03 | 505(68%) | 44.0 | 23.4/SSE | 99.1/SE | 25.0 | 37.8 | 37.2 | .0 | 4.0 | 65.9 | 8.3 | 21.8 | SE /27.1% |
| 5 | 2018/04 | 701(97%) | 35.3 | 15.5/SE | 92.6/WNW | 35.0 | 45.1 | 20.0 | .0 | 11.6 | 57.9 | 8.0 | 22.5 | SSE/20.5% |
| 6 | 2018/05 | 681(92%) | 37.9 | 12.5/SE | 97.3/W | 26.9 | 50.4 | 22.8 | .0 | 14.0 | 54.5 | 7.3 | 24.2 | ESE/16.9% |
| 7 | 2018/06 | 223(31%) | 45.7 | 30.3/ESE | 85.5/ESE | 13.9 | 45.3 | 40.8 | .0 | 25.1 | 57.0 | 1.3 | 16.6 | ESE/30.5% |
| 8 | 2018/07 | 741(100%) | 29.3 | 8.2/SE | 92.4/ESE | 51.0 | 36.4 | 12.6 | .0 | 26.0 | 37.9 | 16.6 | 19.4 | ESE/12.7% |
| 9 | 2018/08 | 744(100%) | 25.7 | 3.4/ESE | 77.6/WNW | 56.9 | 37.8 | 5.4 | .0 | 26.6 | 30.9 | 18.0 | 24.5 | ENE/ 9.8% |
| 10 | 2018/09 | 434(60%) | 36.2 | 11.6/S | 98.0/W | 34.8 | 40.8 | 24.4 | .0 | 19.4 | 36.6 | 21.2 | 22.8 | SSE/13.4% |
| 11 | 2018/10 | | | | | | | | | | | | | |
| 12 | 2018/11 | | | | | | | | | | | | | |
| 13 | 2018/冬 | 1085(50%) | 41.0 | 20.5/S | 90.9/WNW | 26.8 | 38.3 | 34.8 | .0 | 2.4 | 58.3 | 13.3 | 26.0 | SSE/26.5% |
| 14 | 2018/春 | 1887(86%) | 38.6 | 16.3/SSE | 99.1/SE | 29.4 | 45.0 | 25.6 | .0 | 10.4 | 58.8 | 7.8 | 22.9 | SSE/19.8% |
| 15 | 2018/夏 | 1708(77%) | 29.9 | 8.9/ESE | 92.4/ESE | 48.7 | 38.2 | 13.1 | .0 | 26.2 | 37.4 | 15.2 | 21.3 | ESE/12.6% |
| 16 | 2018/秋 | 434(20%) | 36.2 | 11.6/S | 98.0/W | 34.8 | 40.8 | 24.4 | .0 | 19.4 | 36.6 | 21.2 | 22.8 | SSE/13.4% |
| 17 | 2018/年 | 5114(58%) | 36.0 | 13.2/SSE | 99.1/SE | 35.7 | 41.0 | 23.3 | .0 | 14.7 | 49.7 | 12.6 | 23.0 | SSE/16.8% |

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表4.2.1b 2018年金門海域 X 站潮流流速及流向重要統計量統計表

| 序號 | 日期 (年/月) | 觀測 點數 | 流速 平均值 (cm/s) | 平均流 流速/流向 (cm/s)/(來向) | 最大流 流速/流向 (cm/s)/(來向) | 1/2節流 <25.7 (%) | 1節流 ~51.4 (%) | 2節流 ~103 (%) | 大流 >103 (%) | 流向 N~E (%) | 流向 E~S (%) | 流向 S~W (%) | 流向 W~N (%) | 主要流向 方向/百分比 |
|----|-------------|------------|---------------------|-----------------------------|-----------------------------|-----------------------|---------------------|--------------------|-------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 744(100%) | 17.1 | 13.2/SSE | 46.7/SE | 79.8 | 20.2 | .0 | .0 | .8 | 69.4 | 18.1 | 11.7 | SE /35.9% |
| 2 | 2018/01 | 744(100%) | 17.0 | 13.1/SSE | 45.8/SE | 80.0 | 20.0 | .0 | .0 | .7 | 69.4 | 18.3 | 11.7 | SE /38.2% |
| 3 | 2018/02 | 672(100%) | 17.1 | 13.1/SSE | 48.1/SE | 78.9 | 21.1 | .0 | .0 | .1 | 69.9 | 17.0 | 12.9 | SE /36.5% |
| 4 | 2018/03 | 744(100%) | 17.3 | 13.2/SSE | 49.5/SE | 78.5 | 21.5 | .0 | .0 | .7 | 69.1 | 17.6 | 12.6 | SE /33.3% |
| 5 | 2018/04 | 720(100%) | 17.5 | 13.2/SSE | 49.5/SE | 78.8 | 21.3 | .0 | .0 | 1.1 | 69.2 | 17.1 | 12.6 | SE /31.8% |
| 6 | 2018/05 | 744(100%) | 17.4 | 13.2/SSE | 47.8/SE | 79.7 | 20.3 | .0 | .0 | .7 | 70.4 | 15.6 | 13.3 | SE /33.5% |
| 7 | 2018/06 | 720(100%) | 17.3 | 13.2/SSE | 45.4/SE | 80.6 | 19.4 | .0 | .0 | .6 | 70.7 | 16.0 | 12.8 | SE /35.6% |
| 8 | 2018/07 | 744(100%) | 17.1 | 13.1/SSE | 46.7/SE | 80.9 | 19.1 | .0 | .0 | .4 | 71.0 | 16.5 | 12.1 | SE /36.2% |
| 9 | 2018/08 | 744(100%) | 17.1 | 13.1/SSE | 48.8/SE | 79.7 | 20.3 | .0 | .0 | .5 | 69.4 | 18.0 | 12.1 | SE /37.5% |
| 10 | 2018/09 | 720(100%) | 17.2 | 13.2/SSE | 49.8/SE | 78.2 | 21.8 | .0 | .0 | .8 | 68.5 | 17.9 | 12.8 | SE /33.8% |
| 11 | 2018/10 | 744(100%) | 17.1 | 13.2/SSE | 49.5/SE | 79.6 | 20.4 | .0 | .0 | .7 | 69.1 | 17.7 | 12.5 | SE /31.2% |
| 12 | 2018/11 | 720(100%) | 17.2 | 13.2/SSE | 48.0/SE | 80.1 | 19.9 | .0 | .0 | 1.3 | 69.7 | 17.5 | 11.5 | SE /32.9% |
| 13 | 2018/冬 | 2160(100%) | 17.1 | 13.1/SSE | 48.1/SE | 79.6 | 20.4 | .0 | .0 | .6 | 69.5 | 17.8 | 12.1 | SE /36.9% |
| 14 | 2018/春 | 2208(100%) | 17.4 | 13.2/SSE | 49.5/SE | 79.0 | 21.0 | .0 | .0 | .8 | 69.6 | 16.8 | 12.9 | SE /32.9% |
| 15 | 2018/夏 | 2208(100%) | 17.2 | 13.2/SSE | 48.8/SE | 80.4 | 19.6 | .0 | .0 | .5 | 70.3 | 16.8 | 12.3 | SE /36.4% |
| 16 | 2018/秋 | 2184(100%) | 17.2 | 13.2/SSE | 49.8/SE | 79.3 | 20.7 | .0 | .0 | .9 | 69.1 | 17.7 | 12.3 | SE /32.6% |
| 17 | 2018/年 | 8760(100%) | 17.2 | 13.2/SSE | 49.8/SE | 79.6 | 20.4 | .0 | .0 | .7 | 69.6 | 17.3 | 12.4 | SE /34.7% |

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表4.2.1c 2018年金門海域 X 站殘流流速及流向重要統計量統計表

| 序 號 | 日期 (年/月) | 觀測 點數 | 流速 平均值 (cm/s) | 平均流 流速/流向 (cm/s)/(來向) | 最大流 流速/流向 (cm/s)/(來向) | 1/2節流 <25.7 (%) | 1節流 ~51.4 (%) | 2節流 ~103 (%) | 大流 >103 (%) | 流向 N~E (%) | 流向 E~S (%) | 流向 S~W (%) | 流向 W~N (%) | 主要流向 方向/百分比 |
|--------|-------------|------------|---------------------|-----------------------------|-----------------------------|-----------------------|---------------------|--------------------|-------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 226(30%) | 36.9 | 10.0/SSW | 91.1/WNW | 34.1 | 43.4 | 22.6 | .0 | 8.0 | 46.9 | 8.8 | 36.3 | WNW/22.1% |
| 2 | 2018/01 | 352(47%) | 36.3 | 11.0/SW | 115.7/WNW | 35.2 | 41.8 | 22.7 | .3 | 4.8 | 46.0 | 11.4 | 37.8 | SSE/23.0% |
| 3 | 2018/02 | 507(75%) | 37.4 | 10.0/SSW | 108.2/WNW | 34.9 | 38.3 | 26.4 | .4 | 6.7 | 47.5 | 11.4 | 34.3 | WNW/17.8% |
| 4 | 2018/03 | 505(68%) | 35.9 | 10.4/SSE | 103.4/WNW | 39.0 | 38.4 | 22.4 | .2 | 10.3 | 52.9 | 9.5 | 27.3 | SE /16.8% |
| 5 | 2018/04 | 701(97%) | 31.0 | 2.8/ESE | 87.8/WNW | 42.1 | 46.5 | 11.4 | .0 | 20.1 | 41.2 | 8.1 | 30.5 | SE /13.3% |
| 6 | 2018/05 | 681(92%) | 34.3 | 4.0/NE | 102.7/WNW | 33.0 | 50.5 | 16.4 | .0 | 23.3 | 35.1 | 8.4 | 33.2 | WNW/11.5% |
| 7 | 2018/06 | 223(31%) | 34.1 | 24.0/ENE | 76.5/ENE | 28.7 | 61.4 | 9.9 | .0 | 52.5 | 34.5 | .4 | 12.6 | E /24.7% |
| 8 | 2018/07 | 741(100%) | 30.2 | 7.1/N | 93.0/W | 47.4 | 39.7 | 13.0 | .0 | 33.9 | 20.2 | 12.1 | 33.7 | WNW/13.4% |
| 9 | 2018/08 | 744(100%) | 28.6 | 10.3/NNW | 83.1/WNW | 44.4 | 47.7 | 7.9 | .0 | 26.3 | 16.9 | 12.5 | 44.2 | NW /12.6% |
| 10 | 2018/09 | 434(60%) | 35.4 | 5.8/W | 95.0/W | 31.6 | 52.3 | 16.1 | .0 | 18.9 | 22.1 | 24.9 | 34.1 | WNW/12.9% |
| 11 | 2018/10 | | | | | | | | | | | | | |
| 12 | 2018/11 | | | | | | | | | | | | | |
| 13 | 2018/冬 | 1085(50%) | 36.9 | 10.2/SSW | 115.7/WNW | 34.8 | 40.5 | 24.4 | .3 | 6.4 | 46.9 | 10.9 | 35.9 | SSE/20.2% |
| 14 | 2018/春 | 1887(86%) | 33.5 | 3.3/SE | 103.4/WNW | 38.0 | 45.8 | 16.2 | .1 | 18.7 | 42.1 | 8.6 | 30.6 | SE /12.8% |
| 15 | 2018/夏 | 1708(77%) | 30.0 | 8.2/NNE | 93.0/W | 43.6 | 46.0 | 10.4 | .0 | 33.0 | 20.7 | 10.8 | 35.5 | WNW/11.7% |
| 16 | 2018/秋 | 434(20%) | 35.4 | 5.8/W | 95.0/W | 31.6 | 52.3 | 16.1 | .0 | 18.9 | 22.1 | 24.9 | 34.1 | WNW/12.9% |
| 17 | 2018/年 | 5114(58%) | 33.2 | .0/ENE | 115.7/WNW | 38.7 | 45.3 | 16.0 | .1 | 20.9 | 34.3 | 11.2 | 33.7 | WNW/13.5% |

表 4.2.2a 2018 年金門海域 Y 站觀測流速及流向重要統計量統計表

| 序 號 | 日期 (年/月) | 觀測 點數 | 流速 平均值 (cm/s) | 平均流 流速/流向 (cm/s)/(來向) | 最大流 流速/流向 (cm/s)/(來向) | 1/2節流 <25.7 (%) | 1節流 ~51.4 (%) | 2節流 ~103 (%) | 大流 >103 (%) | 流向 N~E (%) | 流向 E~S (%) | 流向 S~W (%) | 流向 W~N (%) | 主要流向 方向/百分比 |
|--------|-------------|------------|---------------------|-----------------------------|-----------------------------|-----------------------|---------------------|--------------------|-------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 687(92%) | 28.4 | .9/NNW | 93.0/W | 50.2 | 40.8 | 9.0 | .0 | 30.3 | 21.7 | 25.9 | 22.1 | W /19.1% |
| 2 | 2018/01 | 644(87%) | 29.1 | 3.2/SSW | 99.0/WSW | 46.0 | 44.1 | 9.9 | .0 | 23.0 | 25.5 | 35.1 | 16.5 | E /17.7% |
| 3 | 2018/02 | 556(83%) | 28.3 | 2.0/SSW | 79.0/W | 50.0 | 41.2 | 8.8 | .0 | 25.7 | 25.0 | 32.9 | 16.4 | E /20.0% |
| 4 | 2018/03 | 645(87%) | 33.6 | 4.5/ESE | 107.0/W | 37.4 | 44.7 | 17.8 | .2 | 26.8 | 26.4 | 31.6 | 15.2 | E /23.6% |
| 5 | 2018/04 | 640(89%) | 32.0 | 5.9/E | 97.0/W | 39.8 | 45.2 | 15.0 | .0 | 33.0 | 25.9 | 28.8 | 12.3 | E /27.7% |
| 6 | 2018/05 | 711(96%) | 33.6 | 7.6/E | 92.0/E | 39.7 | 41.1 | 19.3 | .0 | 36.8 | 19.3 | 27.7 | 16.2 | E /25.7% |
| 7 | 2018/06 | 678(94%) | 31.4 | 5.5/ESE | 99.0/W | 45.9 | 38.9 | 15.2 | .0 | 29.4 | 26.5 | 33.6 | 10.5 | E /24.2% |
| 8 | 2018/07 | 516(69%) | 32.3 | 8.7/E | 91.0/WSW | 43.4 | 39.7 | 16.9 | .0 | 32.6 | 26.9 | 29.3 | 11.2 | E /26.7% |
| 9 | 2018/08 | 39(5%) | 35.0 | 18.6/ENE | 69.0/E | 35.9 | 38.5 | 25.6 | .0 | 56.4 | 15.4 | 15.4 | 12.8 | E /25.6% |
| 10 | 2018/09 | 395(55%) | 32.2 | 8.4/SW | 91.0/WSW | 44.1 | 38.2 | 17.7 | .0 | 19.5 | 26.3 | 44.8 | 9.4 | WSW/23.3% |
| 11 | 2018/10 | 694(93%) | 30.7 | 8.0/WSW | 86.0/WSW | 43.5 | 44.5 | 12.0 | .0 | 22.8 | 19.5 | 40.6 | 17.1 | WSW/19.9% |
| 12 | 2018/11 | 682(95%) | 29.5 | 3.3/W | 88.0/W | 44.9 | 46.0 | 9.1 | .0 | 29.9 | 18.2 | 37.2 | 14.7 | E /18.8% |
| 13 | 2018/冬 | 1887(87%) | 28.6 | 1.4/SSW | 99.0/WSW | 48.7 | 42.0 | 9.3 | .0 | 26.4 | 24.0 | 31.1 | 18.5 | E /18.8% |
| 14 | 2018/春 | 1996(90%) | 33.1 | 5.9/E | 107.0/W | 39.0 | 43.5 | 17.4 | .1 | 32.4 | 23.7 | 29.3 | 14.6 | E /25.7% |
| 15 | 2018/夏 | 1233(56%) | 31.9 | 7.1/E | 99.0/W | 44.5 | 39.3 | 16.2 | .0 | 31.5 | 26.4 | 31.2 | 10.9 | E /25.3% |
| 16 | 2018/秋 | 1771(81%) | 30.6 | 6.1/WSW | 91.0/WSW | 44.2 | 43.7 | 12.1 | .0 | 24.8 | 20.5 | 40.3 | 14.5 | WSW/19.7% |
| 17 | 2018/年 | 6887(79%) | 31.0 | 1.8/SE | 107.0/W | 44.0 | 42.4 | 13.6 | .0 | 28.6 | 23.4 | 33.0 | 15.0 | E /21.9% |

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表4.2.2b 2018年金門海域 Y 站潮流流速及流向重要統計量統計表

| 序號 | 日期 (年/月) | 觀測 點數 | 流速 平均值 (cm/s) | 平均流 流速/流向 (cm/s)/(來向) | 最大流 流速/流向 (cm/s)/(來向) | 1/2節流 <25.7 (%) | 1節流 ~51.4 (%) | 2節流 ~103 (%) | 大流 >103 (%) | 流向 N~E (%) | 流向 E~S (%) | 流向 S~W (%) | 流向 W~N (%) | 主要流向 方向/百分比 |
|----|-------------|------------|---------------------|-----------------------------|-----------------------------|-----------------------|---------------------|--------------------|-------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 744(100%) | 14.0 | 1.8/SE | 35.4/W | 91.5 | 8.5 | .0 | .0 | 28.4 | 25.3 | 33.2 | 13.2 | E /23.8% |
| 2 | 2018/01 | 744(100%) | 14.3 | 1.8/SE | 36.5/W | 91.5 | 8.5 | .0 | .0 | 28.4 | 24.9 | 33.1 | 13.7 | E /23.7% |
| 3 | 2018/02 | 672(100%) | 13.7 | 1.8/SE | 35.3/W | 94.9 | 5.1 | .0 | .0 | 27.4 | 24.9 | 34.1 | 13.7 | E /23.4% |
| 4 | 2018/03 | 744(100%) | 14.1 | 1.8/SE | 32.3/W | 93.7 | 6.3 | .0 | .0 | 28.9 | 25.1 | 32.7 | 13.3 | E /23.3% |
| 5 | 2018/04 | 720(100%) | 13.9 | 1.8/SE | 30.7/E | 94.4 | 5.6 | .0 | .0 | 29.0 | 24.7 | 32.9 | 13.3 | E /23.3% |
| 6 | 2018/05 | 744(100%) | 13.9 | 1.8/SE | 33.6/E | 91.7 | 8.3 | .0 | .0 | 28.6 | 25.4 | 33.2 | 12.8 | E /23.5% |
| 7 | 2018/06 | 720(100%) | 13.8 | 1.8/SE | 35.2/W | 91.3 | 8.8 | .0 | .0 | 27.5 | 26.1 | 33.1 | 13.3 | E /23.5% |
| 8 | 2018/07 | 744(100%) | 13.7 | 1.8/SE | 35.3/W | 93.3 | 6.7 | .0 | .0 | 27.4 | 25.4 | 34.1 | 13.0 | E /23.3% |
| 9 | 2018/08 | 744(100%) | 13.5 | 1.8/SE | 34.2/W | 94.5 | 5.5 | .0 | .0 | 27.8 | 24.9 | 33.7 | 13.6 | E /22.8% |
| 10 | 2018/09 | 720(100%) | 13.6 | 1.8/SE | 31.5/W | 94.4 | 5.6 | .0 | .0 | 29.6 | 23.9 | 32.4 | 14.2 | E /23.3% |
| 11 | 2018/10 | 744(100%) | 13.8 | 1.8/SE | 31.0/E | 93.0 | 7.0 | .0 | .0 | 28.8 | 24.9 | 32.7 | 13.7 | E /22.6% |
| 12 | 2018/11 | 720(100%) | 13.9 | 1.8/SE | 33.5/E | 91.8 | 8.2 | .0 | .0 | 28.2 | 25.7 | 33.2 | 12.9 | E /22.5% |
| 13 | 2018/冬 | 2160(100%) | 14.0 | 1.8/SE | 36.5/W | 92.6 | 7.4 | .0 | .0 | 28.1 | 25.0 | 33.4 | 13.5 | E /23.6% |
| 14 | 2018/春 | 2208(100%) | 13.9 | 1.8/SE | 33.6/E | 93.3 | 6.7 | .0 | .0 | 28.8 | 25.1 | 32.9 | 13.1 | E /23.4% |
| 15 | 2018/夏 | 2208(100%) | 13.7 | 1.8/SE | 35.3/W | 93.0 | 7.0 | .0 | .0 | 27.6 | 25.5 | 33.7 | 13.3 | E /23.2% |
| 16 | 2018/秋 | 2184(100%) | 13.8 | 1.8/SE | 33.5/E | 93.1 | 6.9 | .0 | .0 | 28.8 | 24.8 | 32.7 | 13.6 | E /22.8% |
| 17 | 2018/年 | 8760(100%) | 13.8 | 1.8/SE | 36.5/W | 93.0 | 7.0 | .0 | .0 | 28.3 | 25.1 | 33.2 | 13.4 | E /23.2% |

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表 4.2.2c 2018 年金門海域 Y 站殘流流速及流向重要統計量統計表

| 序 號 | 日期 (年/月) | 觀測 點數 | 流速 平均值 (cm/s) | 平均流 流速/流向 (cm/s)/(來向) | 最大流 流速/流向 (cm/s)/(來向) | 1/2節流 <25.7 (%) | 1節流 ~51.4 (%) | 2節流 ~103 (%) | 大流 >103 (%) | 流向 N~E (%) | 流向 E~S (%) | 流向 S~W (%) | 流向 W~N (%) | 主要流向 方向/百分比 |
|--------|-------------|------------|---------------------|-----------------------------|-----------------------------|-----------------------|---------------------|--------------------|-------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 687(92%) | 18.1 | 2.9/NW | 63.3/W | 79.2 | 19.9 | .9 | .0 | 33.6 | 14.4 | 24.0 | 27.9 | W /18.5% |
| 2 | 2018/01 | 644(87%) | 18.7 | 3.3/WSW | 64.4/WSW | 76.1 | 23.3 | .6 | .0 | 23.6 | 21.3 | 35.2 | 19.9 | W /17.4% |
| 3 | 2018/02 | 556(83%) | 18.6 | 1.4/WSW | 55.6/W | 77.7 | 21.8 | .5 | .0 | 26.1 | 23.6 | 31.3 | 19.1 | W /15.3% |
| 4 | 2018/03 | 645(87%) | 21.9 | 2.9/E | 85.3/W | 65.4 | 32.6 | 2.0 | .0 | 32.4 | 23.4 | 28.8 | 15.3 | E /19.5% |
| 5 | 2018/04 | 640(89%) | 21.2 | 4.3/E | 77.6/W | 68.9 | 29.1 | 2.0 | .0 | 39.5 | 20.2 | 27.0 | 13.3 | E /22.0% |
| 6 | 2018/05 | 711(96%) | 23.4 | 6.6/ENE | 78.6/E | 60.8 | 35.9 | 3.4 | .0 | 44.6 | 12.9 | 24.6 | 17.9 | E /22.1% |
| 7 | 2018/06 | 678(94%) | 22.9 | 4.1/E | 76.7/WSW | 63.9 | 31.7 | 4.4 | .0 | 38.8 | 18.9 | 31.7 | 10.6 | E /20.9% |
| 8 | 2018/07 | 516(69%) | 22.5 | 7.6/E | 62.7/E | 64.0 | 33.1 | 2.9 | .0 | 39.0 | 22.9 | 26.2 | 12.0 | E /22.7% |
| 9 | 2018/08 | 39(5%) | 26.3 | 19.2/ENE | 49.9/ENE | 53.8 | 46.2 | .0 | .0 | 69.2 | 2.6 | 12.8 | 15.4 | ENE/25.6% |
| 10 | 2018/09 | 395(55%) | 23.7 | 7.5/SW | 81.2/WSW | 60.0 | 32.7 | 7.3 | .0 | 22.5 | 20.3 | 47.1 | 10.1 | WSW/28.9% |
| 11 | 2018/10 | 694(93%) | 22.6 | 8.8/W | 73.1/WSW | 63.7 | 33.6 | 2.7 | .0 | 23.3 | 11.5 | 41.2 | 23.9 | WSW/22.0% |
| 12 | 2018/11 | 682(95%) | 20.1 | 4.7/W | 70.3/W | 72.7 | 26.0 | 1.3 | .0 | 30.6 | 14.4 | 35.6 | 19.4 | WSW/16.6% |
| 13 | 2018/冬 | 1887(87%) | 18.4 | 2.1/W | 64.4/WSW | 77.7 | 21.6 | .7 | .0 | 28.0 | 19.4 | 30.0 | 22.6 | W /17.2% |
| 14 | 2018/春 | 1996(90%) | 22.2 | 4.6/ENE | 85.3/W | 64.9 | 32.6 | 2.5 | .0 | 39.0 | 18.6 | 26.8 | 15.6 | E /21.2% |
| 15 | 2018/夏 | 1233(56%) | 22.8 | 6.0/E | 76.7/WSW | 63.6 | 32.8 | 3.6 | .0 | 39.8 | 20.0 | 28.8 | 11.4 | E /21.7% |
| 16 | 2018/秋 | 1771(81%) | 21.9 | 6.7/W | 81.2/WSW | 66.3 | 30.4 | 3.2 | .0 | 26.0 | 14.6 | 40.4 | 19.1 | WSW/21.5% |
| 17 | 2018/年 | 6887(79%) | 21.2 | .1/ENE | 85.3/W | 68.5 | 29.1 | 2.4 | .0 | 32.8 | 18.1 | 31.5 | 17.6 | E /17.4% |

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表 4.2.3a 2018 年金門海域 A 站觀測流速及流向重要統計量統計表

| 序 號 | 日期 (年/月) | 觀測 點數 | 流速 平均值 (cm/s) | 平均流 流速/流向 (cm/s)/(來向) | 最大流 流速/流向 (cm/s)/(來向) | 1/2節流 <25.7 (%) | 1節流 ~51.4 (%) | 2節流 ~103 (%) | 大流 >103 (%) | 流向 N~E (%) | 流向 E~S (%) | 流向 S~W (%) | 流向 W~N (%) | 主要流向 方向/百分比 |
|--------|-------------|------------|---------------------|-----------------------------|-----------------------------|-----------------------|---------------------|--------------------|-------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 383(52%) | 50.3 | 18.8/WSW | 109.0/SW | 21.9 | 30.3 | 46.7 | 1.0 | 30.3 | 3.7 | 55.6 | 10.4 | SW /45.7% |
| 2 | 2018/01 | 721(97%) | 52.2 | 19.8/WSW | 133.7/SW | 22.3 | 29.8 | 42.7 | 5.1 | 29.0 | 2.9 | 55.9 | 12.2 | SW /42.4% |
| 3 | 2018/02 | 639(95%) | 52.0 | 18.7/WSW | 122.8/SW | 20.7 | 32.4 | 41.9 | 5.0 | 30.7 | 2.3 | 55.2 | 11.7 | SW /41.6% |
| 4 | 2018/03 | 308(41%) | 49.7 | 17.8/WSW | 135.0/SW | 26.3 | 33.1 | 34.1 | 6.5 | 31.5 | 1.6 | 53.2 | 13.6 | SW /35.7% |
| 5 | 2018/04 | | | | | | | | | | | | | |
| 6 | 2018/05 | | | | | | | | | | | | | |
| 7 | 2018/06 | 135(19%) | 51.2 | 25.7/WSW | 115.9/SW | 26.7 | 25.9 | 41.5 | 5.9 | 25.2 | 2.2 | 54.1 | 18.5 | SW /45.2% |
| 8 | 2018/07 | 738(99%) | 45.7 | 20.8/SW | 148.8/SW | 33.9 | 26.8 | 35.1 | 4.2 | 29.0 | 5.3 | 52.0 | 13.7 | SW /38.1% |
| 9 | 2018/08 | 742(100%) | 31.3 | 12.0/SW | 120.5/SW | 56.9 | 24.1 | 16.2 | 2.8 | 35.0 | 5.8 | 49.2 | 10.0 | SW /29.9% |
| 10 | 2018/09 | 434(60%) | 49.1 | 25.8/WSW | 144.2/SW | 35.3 | 20.3 | 37.8 | 6.7 | 24.2 | 2.1 | 56.2 | 17.5 | SW /44.2% |
| 11 | 2018/10 | | | | | | | | | | | | | |
| 12 | 2018/11 | | | | | | | | | | | | | |
| 13 | 2018/冬 | 1743(81%) | 51.7 | 19.2/WSW | 133.7/SW | 21.6 | 30.9 | 43.3 | 4.2 | 29.9 | 2.9 | 55.6 | 11.6 | SW /42.9% |
| 14 | 2018/春 | 308(14%) | 49.7 | 17.8/WSW | 135.0/SW | 26.3 | 33.1 | 34.1 | 6.5 | 31.5 | 1.6 | 53.2 | 13.6 | SW /35.7% |
| 15 | 2018/夏 | 1615(73%) | 39.5 | 17.1/SW | 148.8/SW | 43.8 | 25.5 | 26.9 | 3.7 | 31.5 | 5.3 | 50.9 | 12.4 | SW /34.9% |
| 16 | 2018/秋 | 434(20%) | 49.1 | 25.8/WSW | 144.2/SW | 35.3 | 20.3 | 37.8 | 6.7 | 24.2 | 2.1 | 56.2 | 17.5 | SW /44.2% |
| 17 | 2018/年 | 4100(47%) | 46.5 | 18.8/WSW | 148.8/SW | 32.2 | 27.8 | 35.6 | 4.4 | 30.0 | 3.6 | 53.6 | 12.7 | SW /39.3% |

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表4.2.3b 2018年金門海域 A 站潮流流速及流向重要統計量統計表

| 序 號 | 日期 (年/月) | 觀測 點數 | 流速 平均值 (cm/s) | 平均流 流速/流向 (cm/s)/(來向) | 最大流 流速/流向 (cm/s)/(來向) | 1/2節流 <25.7 (%) | 1節流 ~51.4 (%) | 2節流 ~103 (%) | 大流 >103 (%) | 流向 N~E (%) | 流向 E~S (%) | 流向 S~W (%) | 流向 W~N (%) | 主要流向 方向/百分比 |
|--------|-------------|------------|---------------------|-----------------------------|-----------------------------|-----------------------|---------------------|--------------------|-------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 744(100%) | 41.4 | 18.7/WSW | 102.6/SW | 31.0 | 35.8 | 33.2 | .0 | 36.3 | .0 | 57.3 | 6.5 | SW /47.2% |
| 2 | 2018/01 | 743(100%) | 41.8 | 18.6/WSW | 101.5/SW | 29.3 | 35.9 | 34.7 | .0 | 36.6 | .0 | 54.6 | 8.7 | SW /46.4% |
| 3 | 2018/02 | 672(100%) | 42.0 | 18.8/WSW | 99.8/SW | 29.9 | 36.3 | 33.8 | .0 | 35.7 | .0 | 57.3 | 7.0 | SW /46.9% |
| 4 | 2018/03 | 744(100%) | 42.1 | 18.7/WSW | 102.5/SW | 29.8 | 35.5 | 34.7 | .0 | 36.6 | .0 | 55.9 | 7.5 | SW /46.6% |
| 5 | 2018/04 | 720(100%) | 42.1 | 18.8/WSW | 101.5/SW | 29.7 | 35.3 | 35.0 | .0 | 35.3 | .0 | 56.3 | 8.5 | SW /45.4% |
| 6 | 2018/05 | 744(100%) | 42.3 | 18.8/WSW | 101.5/SW | 30.9 | 34.0 | 35.1 | .0 | 35.9 | .0 | 57.1 | 7.0 | SW /46.9% |
| 7 | 2018/06 | 720(100%) | 41.8 | 18.8/WSW | 101.3/SW | 30.7 | 34.9 | 34.4 | .0 | 35.8 | .0 | 55.8 | 8.3 | SW /46.5% |
| 8 | 2018/07 | 744(100%) | 41.8 | 18.8/WSW | 100.5/SW | 31.3 | 35.8 | 32.9 | .0 | 35.5 | .0 | 56.7 | 7.8 | SW /46.4% |
| 9 | 2018/08 | 744(100%) | 41.7 | 18.8/WSW | 101.0/SW | 29.7 | 37.0 | 33.3 | .0 | 36.0 | .0 | 56.6 | 7.4 | SW /46.5% |
| 10 | 2018/09 | 720(100%) | 41.7 | 18.8/WSW | 102.9/SW | 30.7 | 34.6 | 34.7 | .0 | 35.6 | .0 | 56.3 | 8.2 | SW /46.4% |
| 11 | 2018/10 | 744(100%) | 42.0 | 18.8/WSW | 104.4/SW | 30.0 | 35.1 | 34.8 | .1 | 35.5 | .0 | 56.6 | 7.9 | SW /46.6% |
| 12 | 2018/11 | 720(100%) | 42.0 | 18.8/WSW | 102.2/SW | 30.7 | 35.4 | 33.9 | .0 | 35.7 | .0 | 56.5 | 7.8 | SW /46.0% |
| 13 | 2018/冬 | 2159(100%) | 41.7 | 18.7/WSW | 102.6/SW | 30.1 | 36.0 | 33.9 | .0 | 36.2 | .0 | 56.4 | 7.4 | SW /46.8% |
| 14 | 2018/春 | 2208(100%) | 42.2 | 18.8/WSW | 102.5/SW | 30.2 | 34.9 | 34.9 | .0 | 35.9 | .0 | 56.4 | 7.7 | SW /46.3% |
| 15 | 2018/夏 | 2208(100%) | 41.8 | 18.8/WSW | 101.3/SW | 30.6 | 35.9 | 33.6 | .0 | 35.8 | .0 | 56.4 | 7.8 | SW /46.5% |
| 16 | 2018/秋 | 2184(100%) | 41.9 | 18.8/WSW | 104.4/SW | 30.4 | 35.0 | 34.5 | .0 | 35.6 | .0 | 56.5 | 8.0 | SW /46.3% |
| 17 | 2018/年 | 8759(100%) | 41.9 | 18.8/WSW | 104.4/SW | 30.3 | 35.4 | 34.2 | .0 | 35.9 | .0 | 56.4 | 7.7 | SW /46.5% |

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表 4.2.3c 2018 年金門海域 A 站殘流流速及流向重要統計量統計表

| 序 號 | 日期 (年/月) | 觀測 點數 | 流速 平均值 (cm/s) | 平均流 流速/流向 (cm/s)/(來向) | 最大流 流速/流向 (cm/s)/(來向) | 1/2節流 <25.7 (%) | 1節流 ~51.4 (%) | 2節流 ~103 (%) | 大流 >103 (%) | 流向 N~E (%) | 流向 E~S (%) | 流向 S~W (%) | 流向 W~N (%) | 主要流向 方向/百分比 |
|--------|-------------|------------|---------------------|-----------------------------|-----------------------------|-----------------------|---------------------|--------------------|-------------------|------------------|------------------|------------------|------------------|----------------|
| 1 | 2017/12 | 383(52%) | 18.6 | 2.6/NNW | 58.3/NNE | 77.0 | 21.9 | 1.0 | .0 | 29.0 | 12.5 | 42.6 | 15.9 | SW /17.0% |
| 2 | 2018/01 | 721(97%) | 19.7 | 2.1/NNW | 58.1/NE | 74.1 | 24.7 | 1.2 | .0 | 31.8 | 11.0 | 40.8 | 16.5 | SW /14.0% |
| 3 | 2018/02 | 639(95%) | 18.9 | 2.7/N | 54.8/ENE | 75.9 | 23.3 | .8 | .0 | 36.9 | 12.1 | 34.0 | 17.1 | SW /12.2% |
| 4 | 2018/03 | 308(41%) | 19.9 | 3.7/N | 52.7/NNE | 71.4 | 28.2 | .3 | .0 | 45.1 | 10.1 | 32.5 | 12.3 | NNE/15.9% |
| 5 | 2018/04 | | | | | | | | | | | | | |
| 6 | 2018/05 | | | | | | | | | | | | | |
| 7 | 2018/06 | 135(19%) | 18.4 | 7.0/WSW | 45.2/SW | 82.2 | 17.8 | .0 | .0 | 21.5 | 9.6 | 52.6 | 16.3 | WSW/21.5% |
| 8 | 2018/07 | 738(99%) | 19.7 | 3.6/S | 57.0/ENE | 74.0 | 25.1 | .9 | .0 | 29.5 | 19.5 | 42.7 | 8.3 | SW /19.0% |
| 9 | 2018/08 | 742(100%) | 23.0 | 7.3/ENE | 81.8/NE | 64.0 | 31.9 | 4.0 | .0 | 45.6 | 13.1 | 35.0 | 6.3 | NE /19.5% |
| 10 | 2018/09 | 434(60%) | 22.7 | 6.7/SW | 89.5/NE | 62.7 | 33.4 | 3.9 | .0 | 23.7 | 12.0 | 52.1 | 12.2 | SW /25.3% |
| 11 | 2018/10 | | | | | | | | | | | | | |
| 12 | 2018/11 | | | | | | | | | | | | | |
| 13 | 2018/冬 | 1743(81%) | 19.2 | 2.4/NNW | 58.3/NNE | 75.4 | 23.6 | 1.0 | .0 | 33.0 | 11.7 | 38.7 | 16.6 | SW /14.0% |
| 14 | 2018/春 | 308(14%) | 19.9 | 3.7/N | 52.7/NNE | 71.4 | 28.2 | .3 | .0 | 45.1 | 10.1 | 32.5 | 12.3 | NNE/15.9% |
| 15 | 2018/夏 | 1615(73%) | 21.1 | 3.2/ESE | 81.8/NE | 70.1 | 27.6 | 2.3 | .0 | 36.2 | 15.7 | 40.0 | 8.0 | SW /14.6% |
| 16 | 2018/秋 | 434(20%) | 22.7 | 6.7/SW | 89.5/NE | 62.7 | 33.4 | 3.9 | .0 | 23.7 | 12.0 | 52.1 | 12.2 | SW /25.3% |
| 17 | 2018/年 | 4100(47%) | 20.4 | .4/NE | 89.5/NE | 71.7 | 26.6 | 1.8 | .0 | 34.2 | 13.2 | 40.1 | 12.4 | SW /15.3% |

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4.3 2018 年金門海域各測站觀測海流與 計算潮流(殘流)歷線比較圖

Current Speed in Kin-Men Harbor of KMX0 at 2018

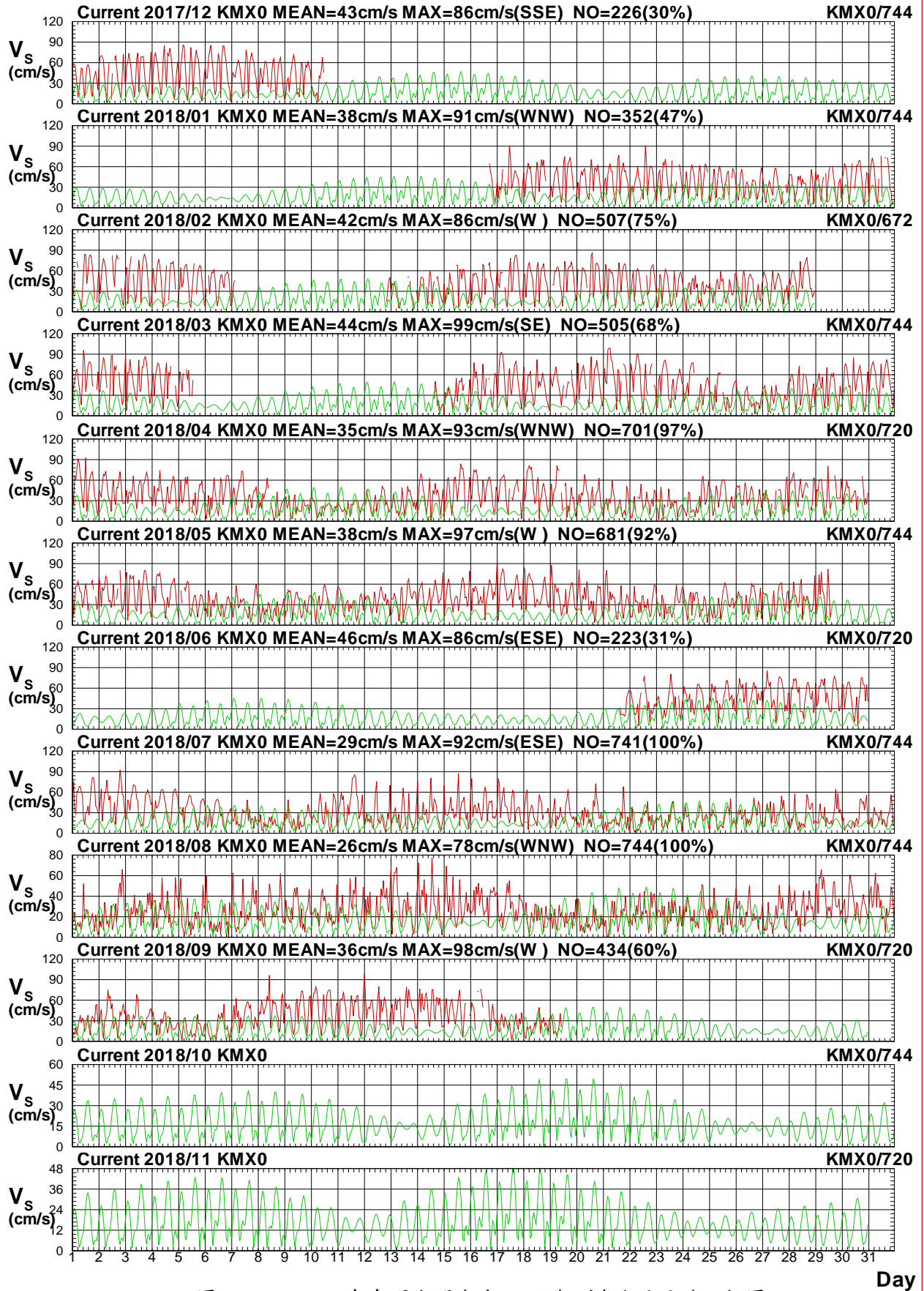


圖4.3.1a 2018年每月金門海域 X 站觀測與潮流流速比較圖

C17CKMX0.1H0 C17CKMX0.1HD C181KMX0.1H0 C181KMX0.1HD C182KMX0.1H0 C182KMX0.1HD
 C183KMX0.1H0 C183KMX0.1HD C184KMX0.1H0 C184KMX0.1HD C185KMX0.1H0 C185KMX0.1HD

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Current Direction in Kin-Men Harbor of KMX0 at 2018

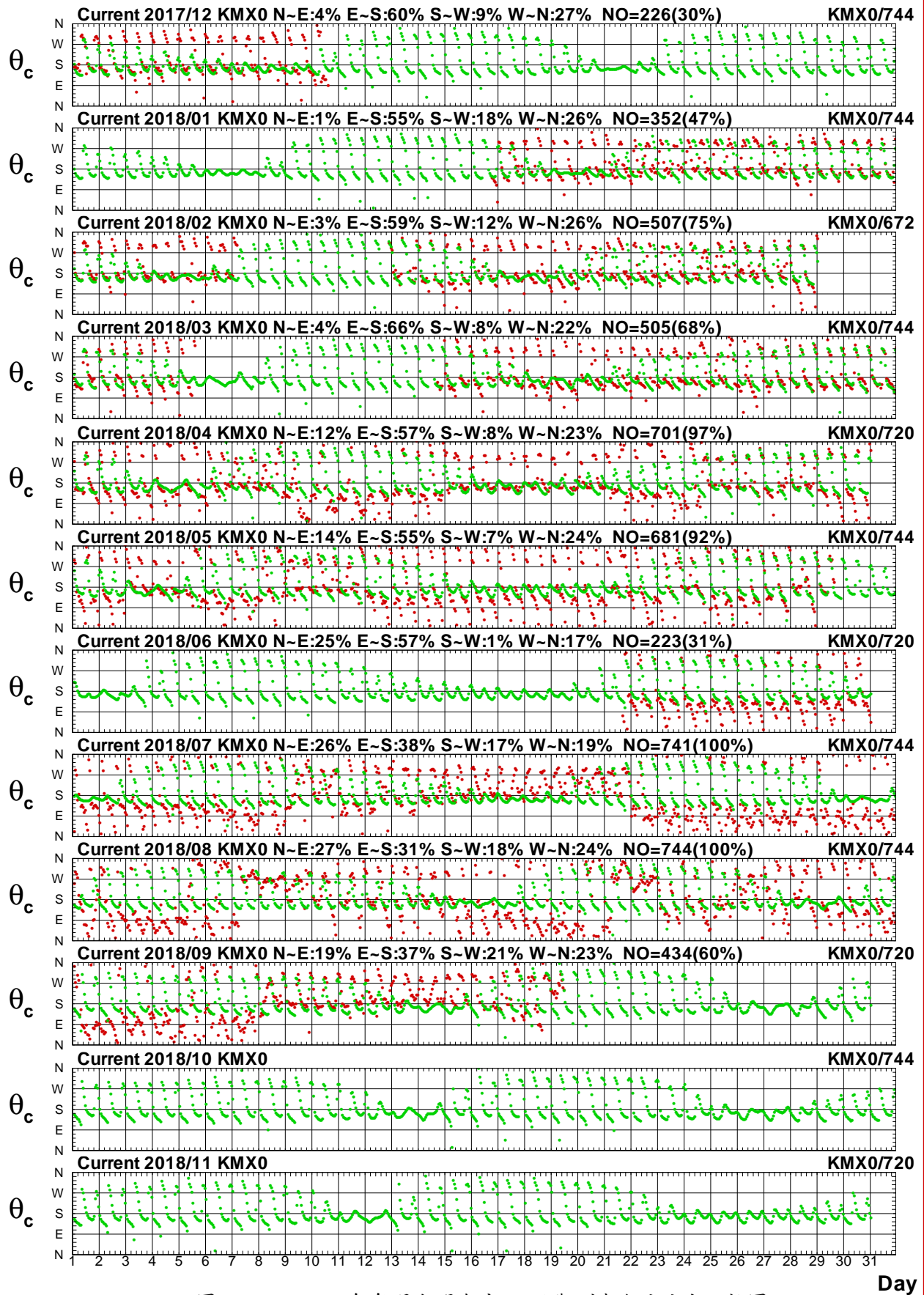


圖4.3.1b 2018年每月金門海域 X 站觀測與潮流流向比較圖

C17CKMX0.1HD C17CKMX0.1HD C181KMX0.1HD C181KMX0.1HD C182KMX0.1HD C182KMX0.1HD
 C183KMX0.1HD C183KMX0.1HD C184KMX0.1HD C184KMX0.1HD C185KMX0.1HD C185KMX0.1HD

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Current Speed in Kin-Men Harbor of KMX0 at 2018

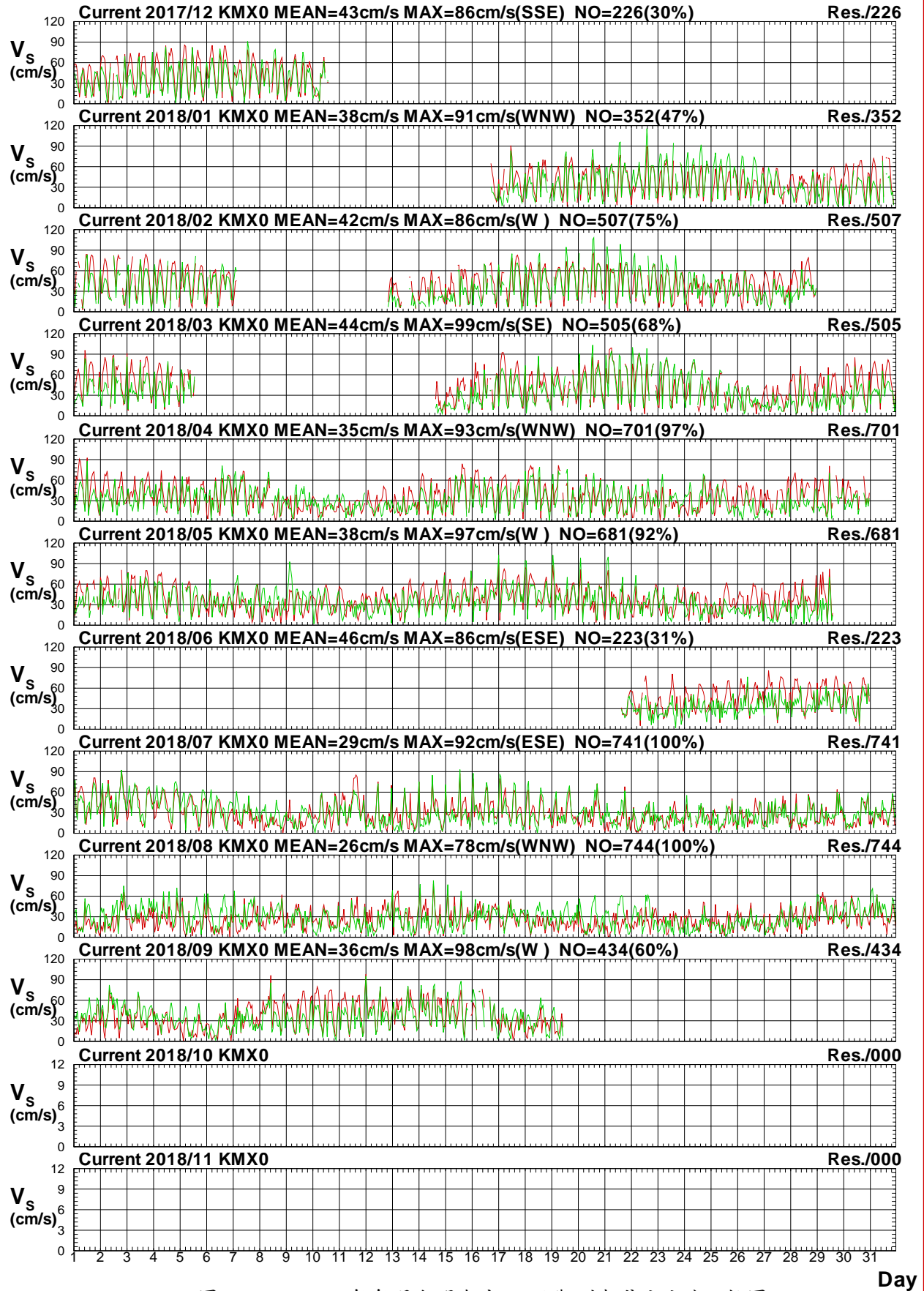


圖4.3.2a 2018年每月金門海域 X 站觀測與殘流流速比較圖

C17CKMX0.1H0 C17CKMX0.1HR C181KMX0.1H0 C181KMX0.1HR C182KMX0.1H0 C182KMX0.1HR
 C183KMX0.1H0 C183KMX0.1HR C184KMX0.1H0 C184KMX0.1HR C185KMX0.1H0 C185KMX0.1HR

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Current Direction in Kin-Men Harbor of KMX0 at 2018

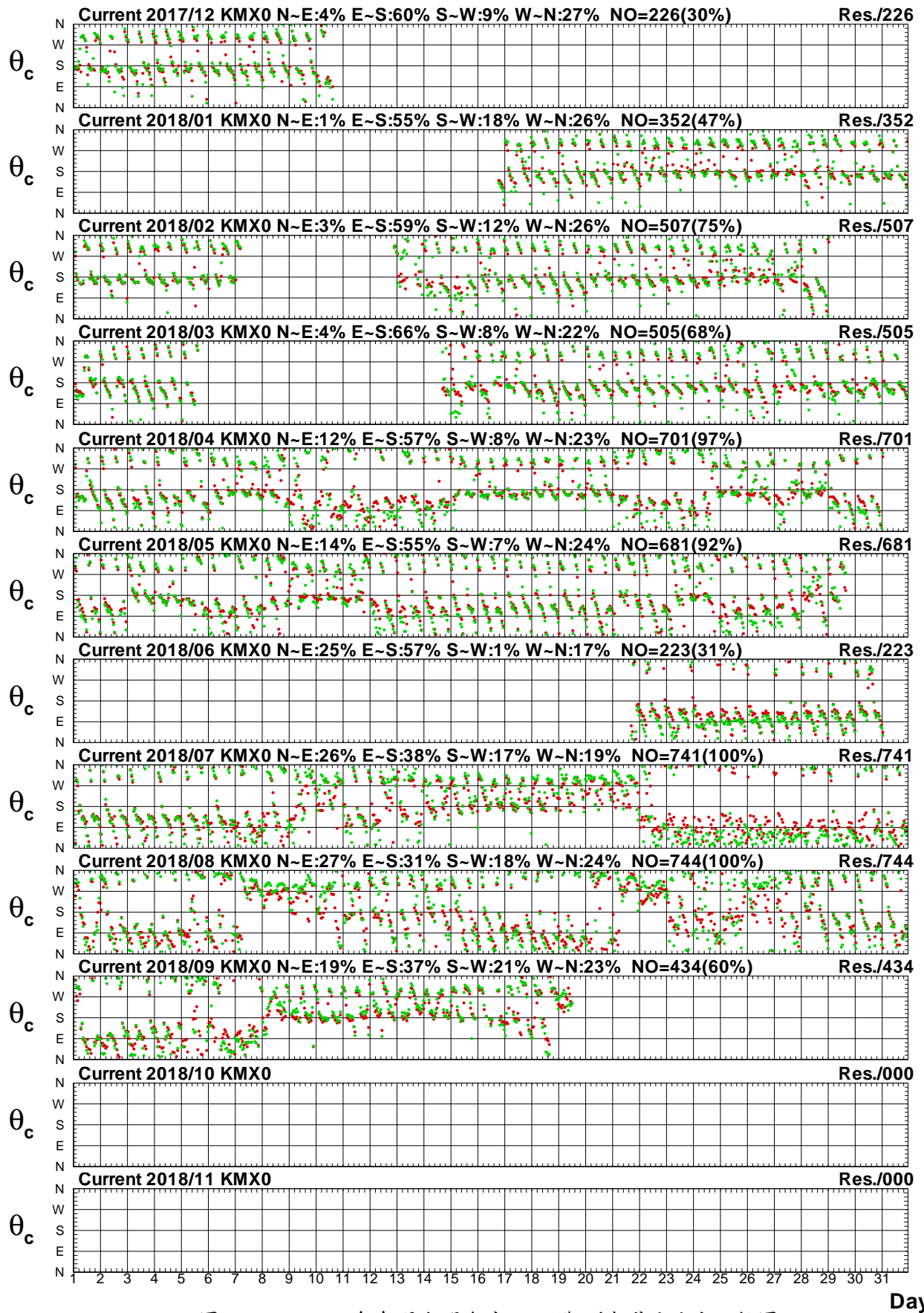


圖4.3.2b 2018年每月金門海域 X 站觀測與殘流流向比較圖

C17CKMX0.1H0 C17CKMX0.1HR C181KMX0.1H0 C181KMX0.1HR C182KMX0.1H0 C182KMX0.1HR
 C183KMX0.1H0 C183KMX0.1HR C184KMX0.1H0 C184KMX0.1HR C185KMX0.1H0 C185KMX0.1HR

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Current Speed in Kin-Men Harbor of KMA0 at 2018

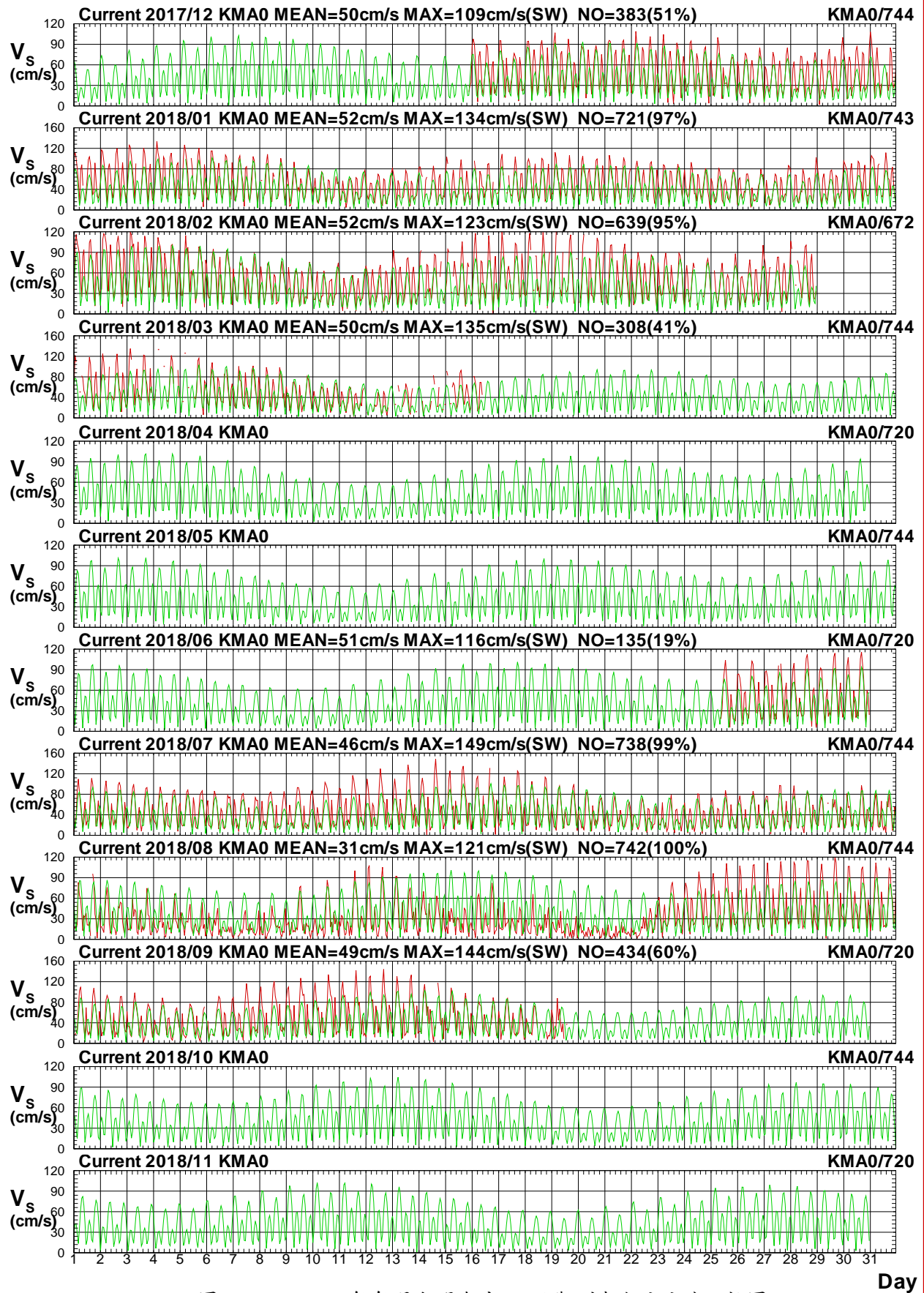


圖4.3.3a 2018年每月金門海域 A 站觀測與潮流流速比較圖

C17CKMA0.1H0 C17CKMA0.1HD C181KMA0.1H0 C181KMA0.1HD C182KMA0.1H0 C182KMA0.1HD
 C183KMA0.1H0 C183KMA0.1HD C184KMA0.1H0 C184KMA0.1HD C185KMA0.1H0 C185KMA0.1HD

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Current Direction in Kin-Men Harbor of KMA0 at 2018

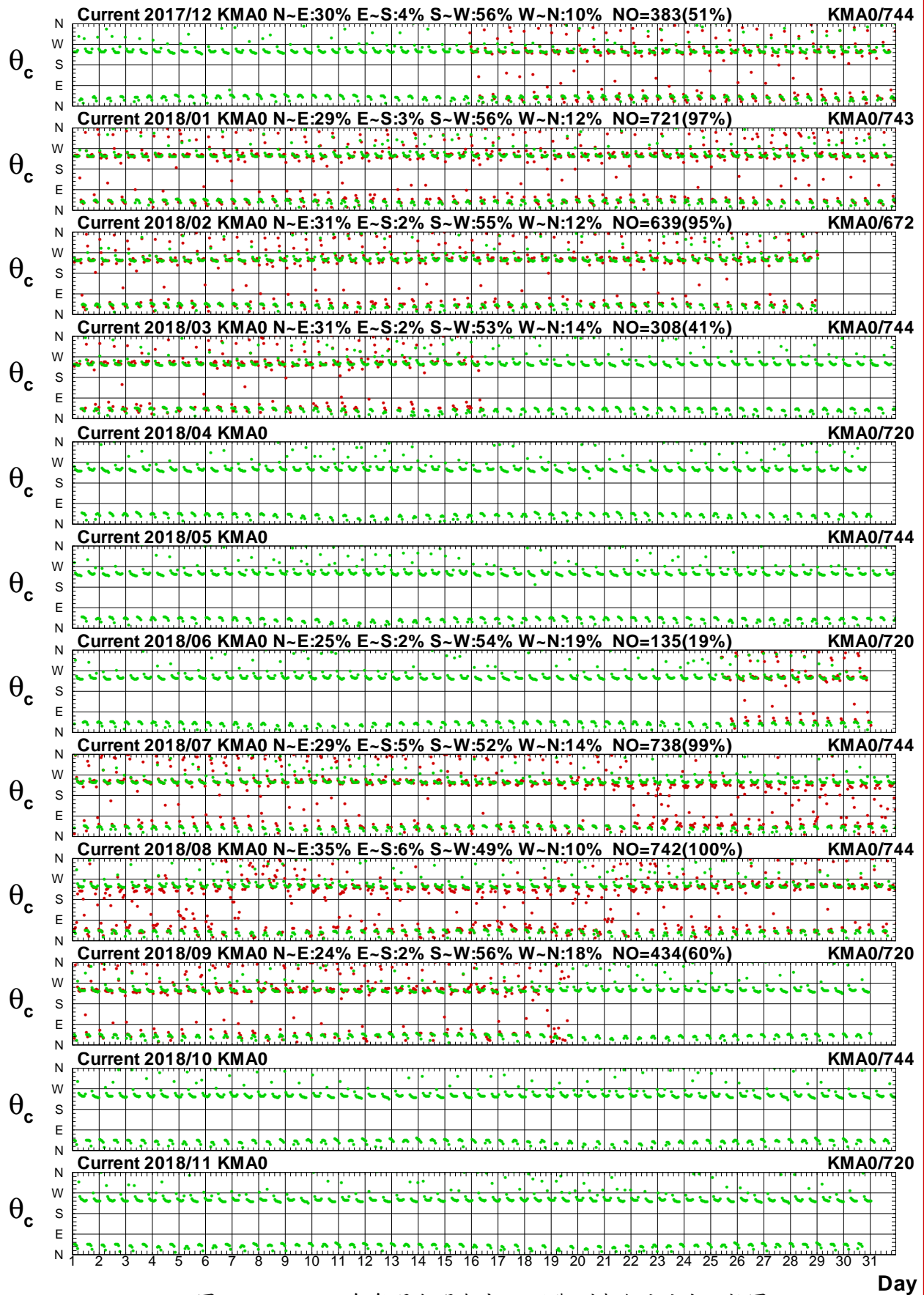


圖4.3.3b 2018年每月金門海域 A 站觀測與潮流流向比較圖

C17CKMA0.1H0 C17CKMA0.1HD C181KMA0.1H0 C181KMA0.1HD C182KMA0.1H0 C182KMA0.1HD
 C183KMA0.1H0 C183KMA0.1HD C184KMA0.1H0 C184KMA0.1HD C185KMA0.1H0 C185KMA0.1HD

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Current Speed in Kin-Men Harbor of KMA0 at 2018

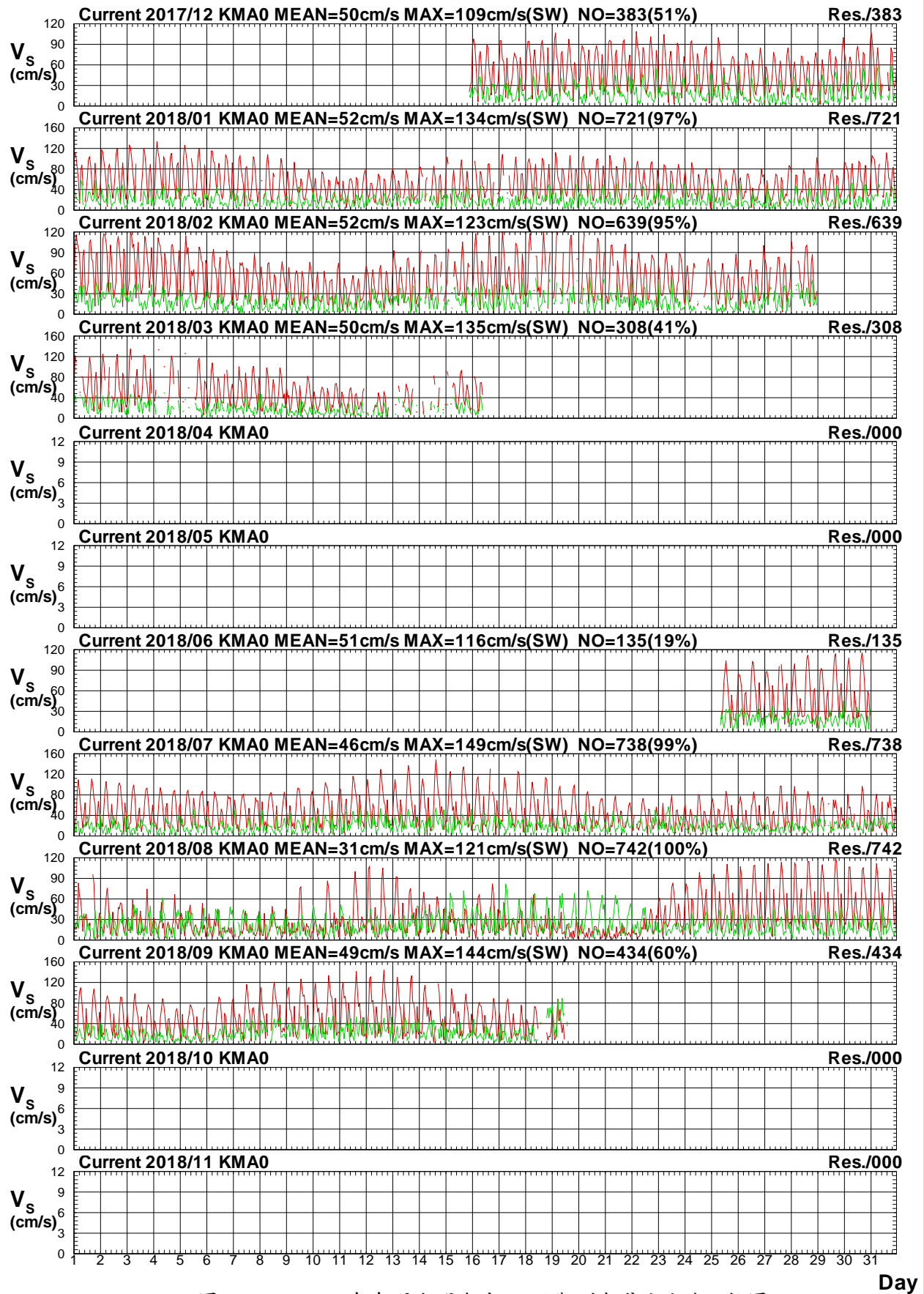


圖4.3.4a 2018年每月金門海域 A 站觀測與殘流流速比較圖

C17CKMA0.1H0 C17CKMA0.1HR C181KMA0.1H0 C181KMA0.1HR C182KMA0.1H0 C182KMA0.1HR
 C183KMA0.1H0 C183KMA0.1HR C184KMA0.1H0 C184KMA0.1HR C185KMA0.1H0 C185KMA0.1HR

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Current Direction in Kin-Men Harbor of KMA0 at 2018

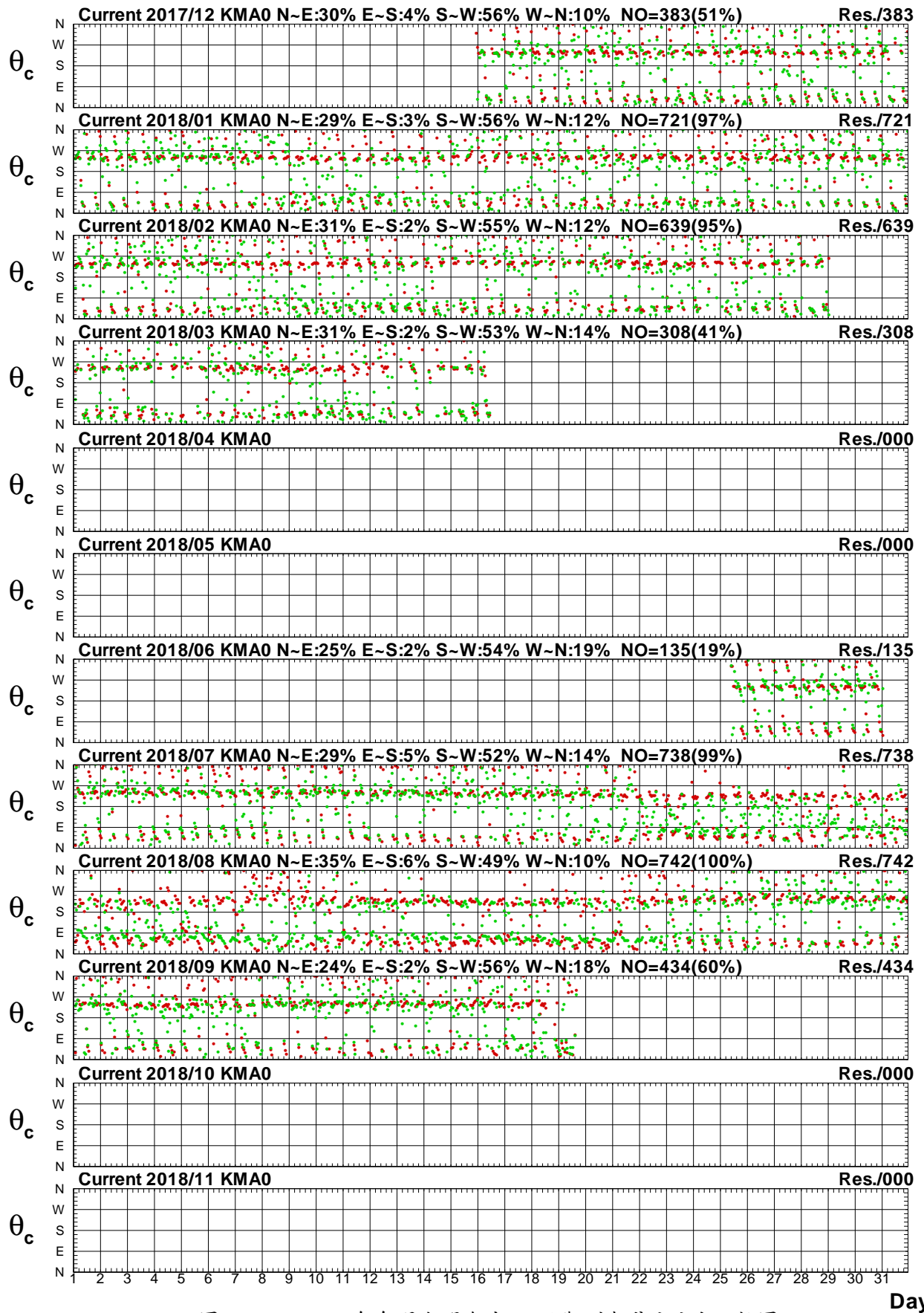


圖4.3.4b 2018年每月金門海域 A 站觀測與殘流流向比較圖

C17CKMA0.1H0 C17CKMA0.1HR C181KMA0.1H0 C181KMA0.1HR C182KMA0.1H0 C182KMA0.1HR
 C183KMA0.1H0 C183KMA0.1HR C184KMA0.1H0 C184KMA0.1HR C185KMA0.1H0 C185KMA0.1HR

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Current Speed in Kin-Men Harbor of KMY0 at 2018

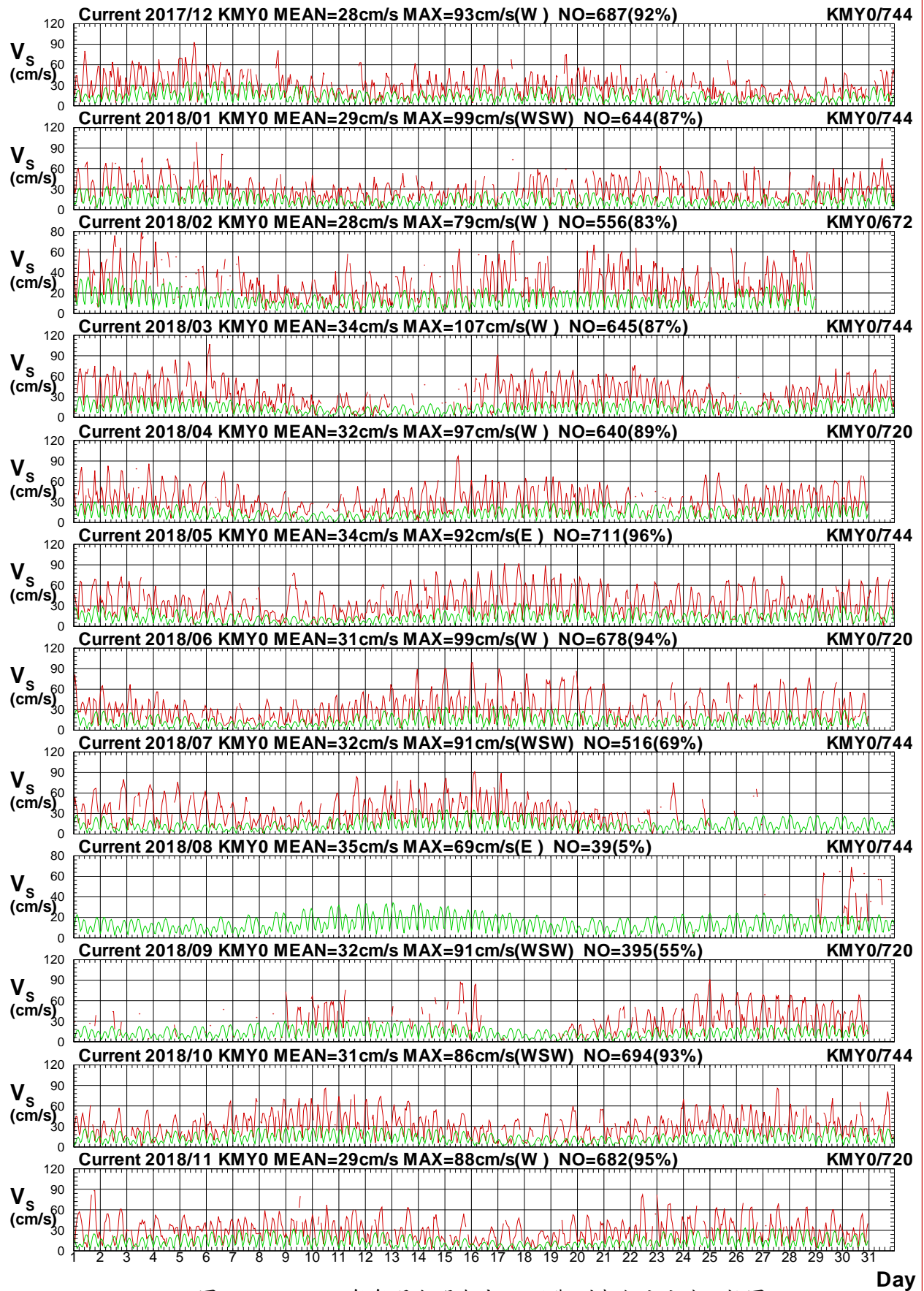


圖4.3.5a 2018年每月金門海域 Y 站觀測與潮流流速比較圖

C17CKMY0.1H0 C17CKMY0.1HD C181KMY0.1H0 C181KMY0.1HD C182KMY0.1H0 C182KMY0.1HD
 C183KMY0.1H0 C183KMY0.1HD C184KMY0.1H0 C184KMY0.1HD C185KMY0.1H0 C185KMY0.1HD

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Current Direction in Kin-Men Harbor of KMY0 at 2018

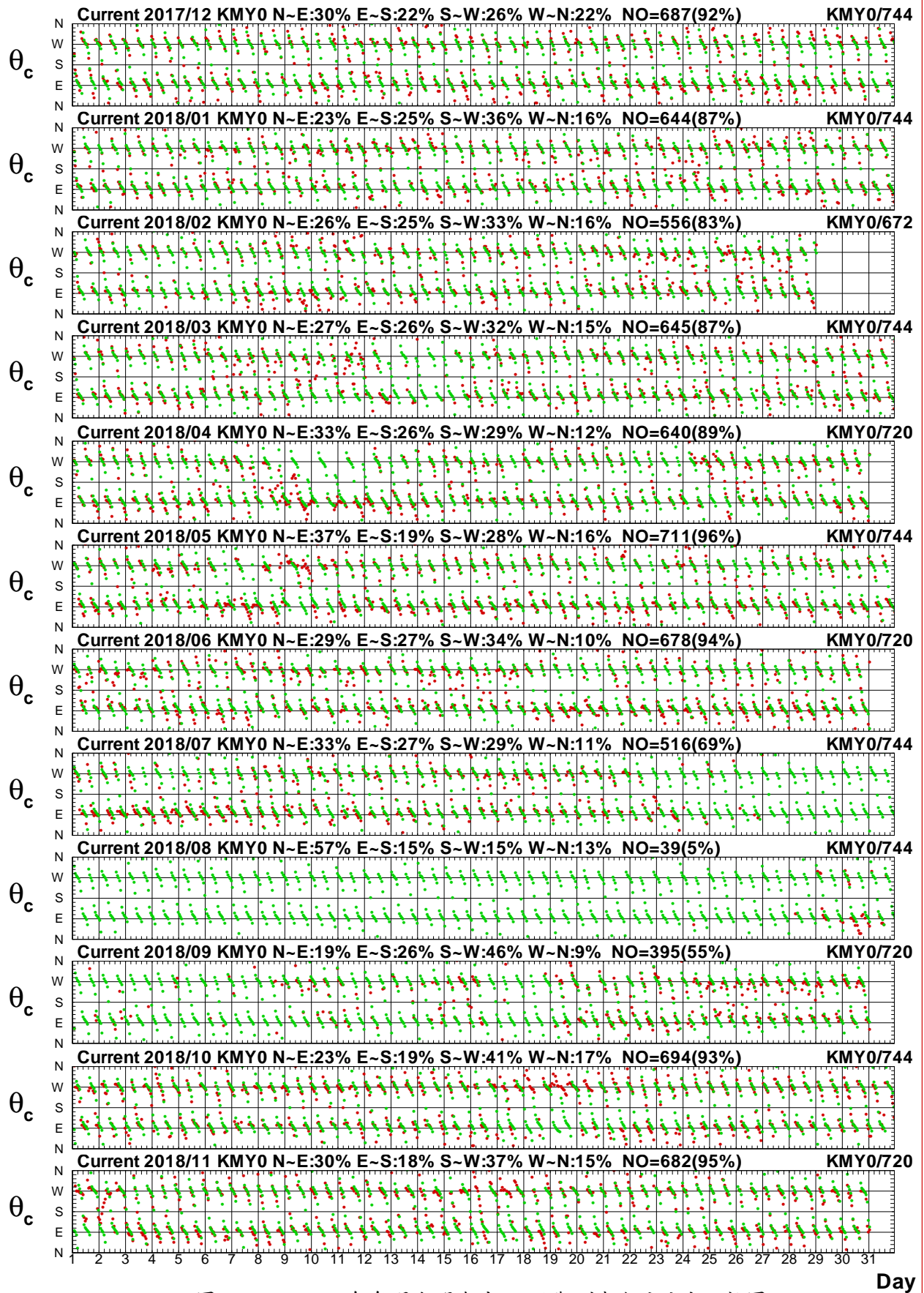


圖4.3.5b 2018年每月金門海域 Y 站觀測與潮流流向比較圖

C17CKMY0.1HD C17CKMY0.1HD C181KMY0.1HD C181KMY0.1HD C182KMY0.1HD C182KMY0.1HD
 C183KMY0.1HD C183KMY0.1HD C184KMY0.1HD C184KMY0.1HD C185KMY0.1HD C185KMY0.1HD

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Current Speed in Kin-Men Harbor of KMY0 at 2018

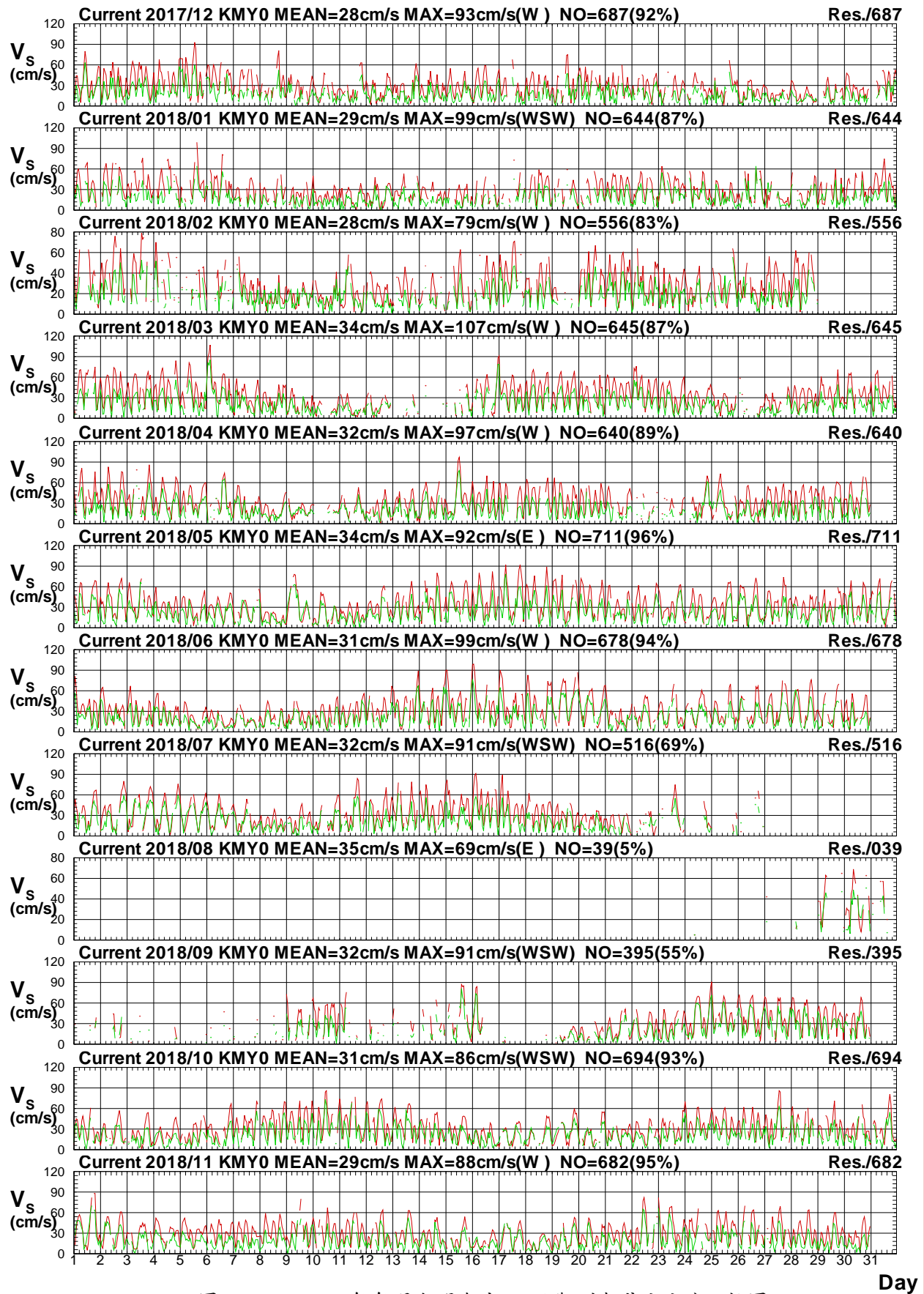


圖4.3.6a 2018年每月金門海域 Y 站觀測與殘流流速比較圖

C17CKMY0.1H0 C17CKMY0.1HR C181KMY0.1H0 C181KMY0.1HR C182KMY0.1H0 C182KMY0.1HR
 C183KMY0.1H0 C183KMY0.1HR C184KMY0.1H0 C184KMY0.1HR C185KMY0.1H0 C185KMY0.1HR

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Current Direction in Kin-Men Harbor of KMY0 at 2018

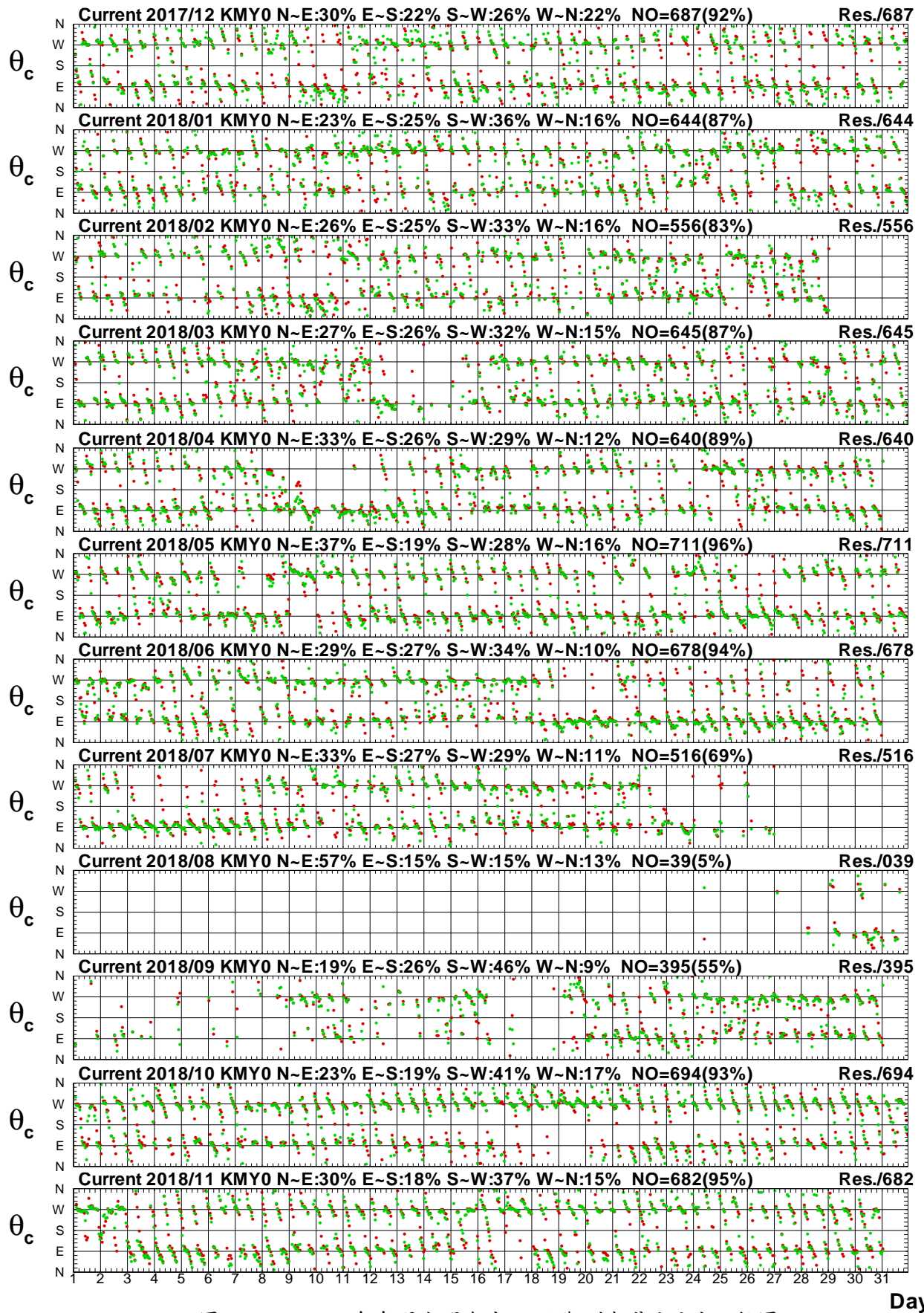


圖4.3.6b 2018年每月金門海域 Y 站觀測與殘流流向比較圖

C17CKMY0.1H0 C17CKMY0.1HR C181KMY0.1H0 C181KMY0.1HR C182KMY0.1H0 C182KMY0.1HR
 C183KMY0.1H0 C183KMY0.1HR C184KMY0.1H0 C184KMY0.1HR C185KMY0.1H0 C185KMY0.1HR

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4.4 2018 年金門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

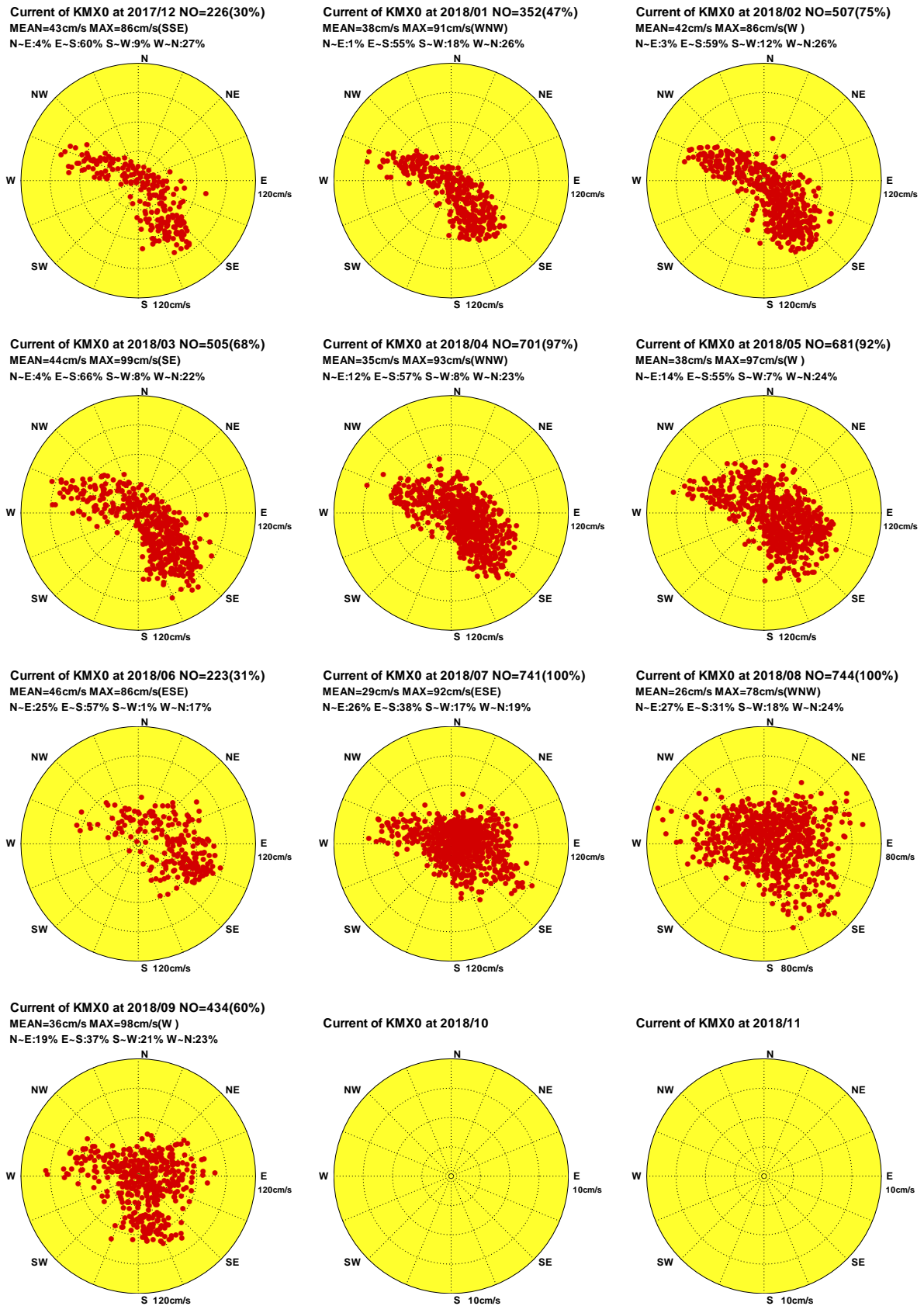


圖4.4.1a 2018年金門海域每月測站 X 觀測海流向量分佈圖

C17CKMX0.1H0 C181KMX0.1H0 C182KMX0.1H0 C183KMX0.1H0 C184KMX0.1H0 C185KMX0.1H0
 C186KMX0.1H0 C187KMX0.1H0 C188KMX0.1H0 C189KMX0.1H0 C18AKMX0.1H0 C18BKMX0.1H0

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Distribution of Current Vectors

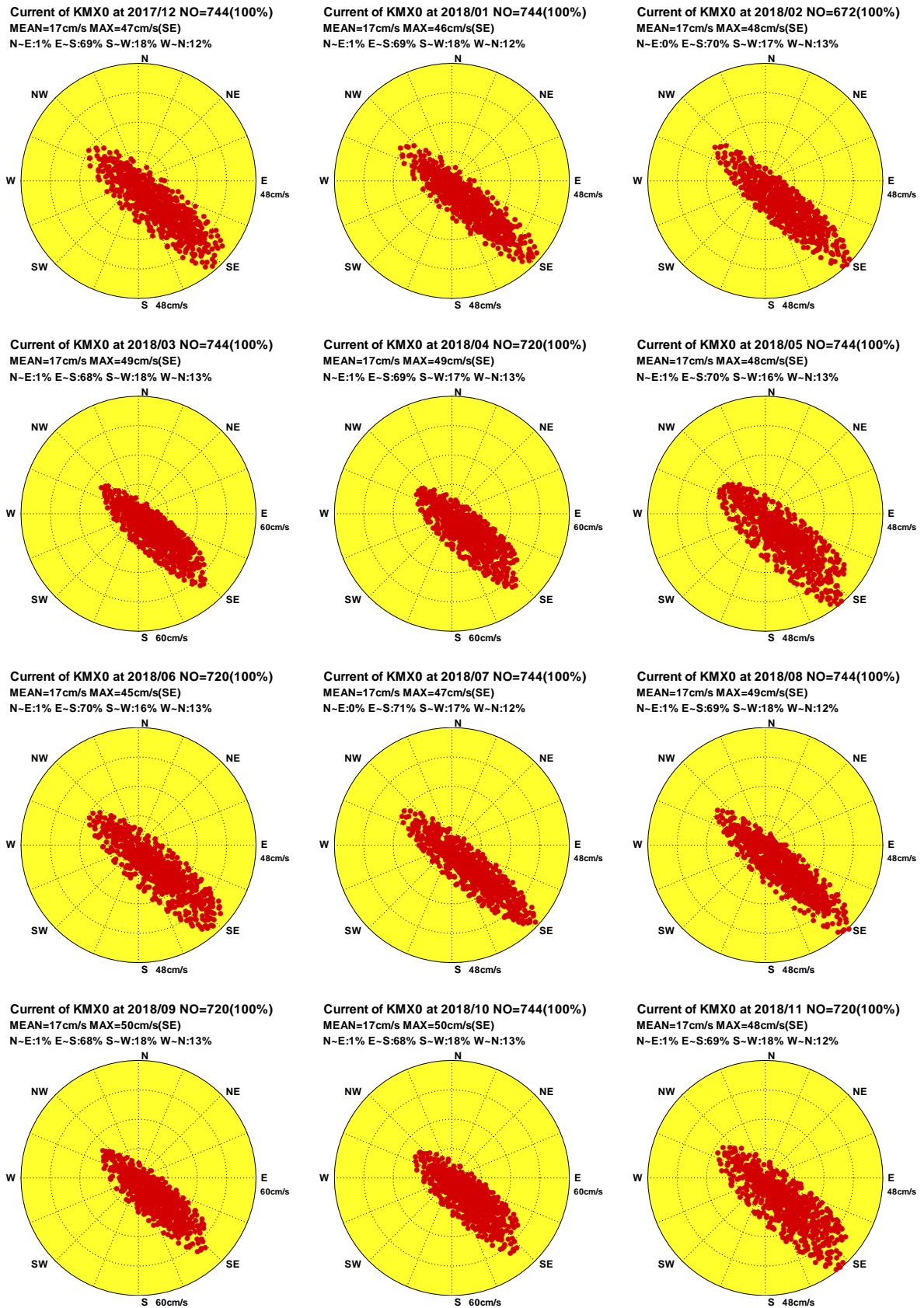


圖4.4.1b 2018年金門海域每月測站 X 計算潮流向量分佈圖

C17CKMX0.1HD C181KMX0.1HD C182KMX0.1HD C183KMX0.1HD C184KMX0.1HD C185KMX0.1HD
 C186KMX0.1HD C187KMX0.1HD C188KMX0.1HD C189KMX0.1HD C18AKMX0.1HD C18BKMX0.1HD

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Distribution of Current Vectors

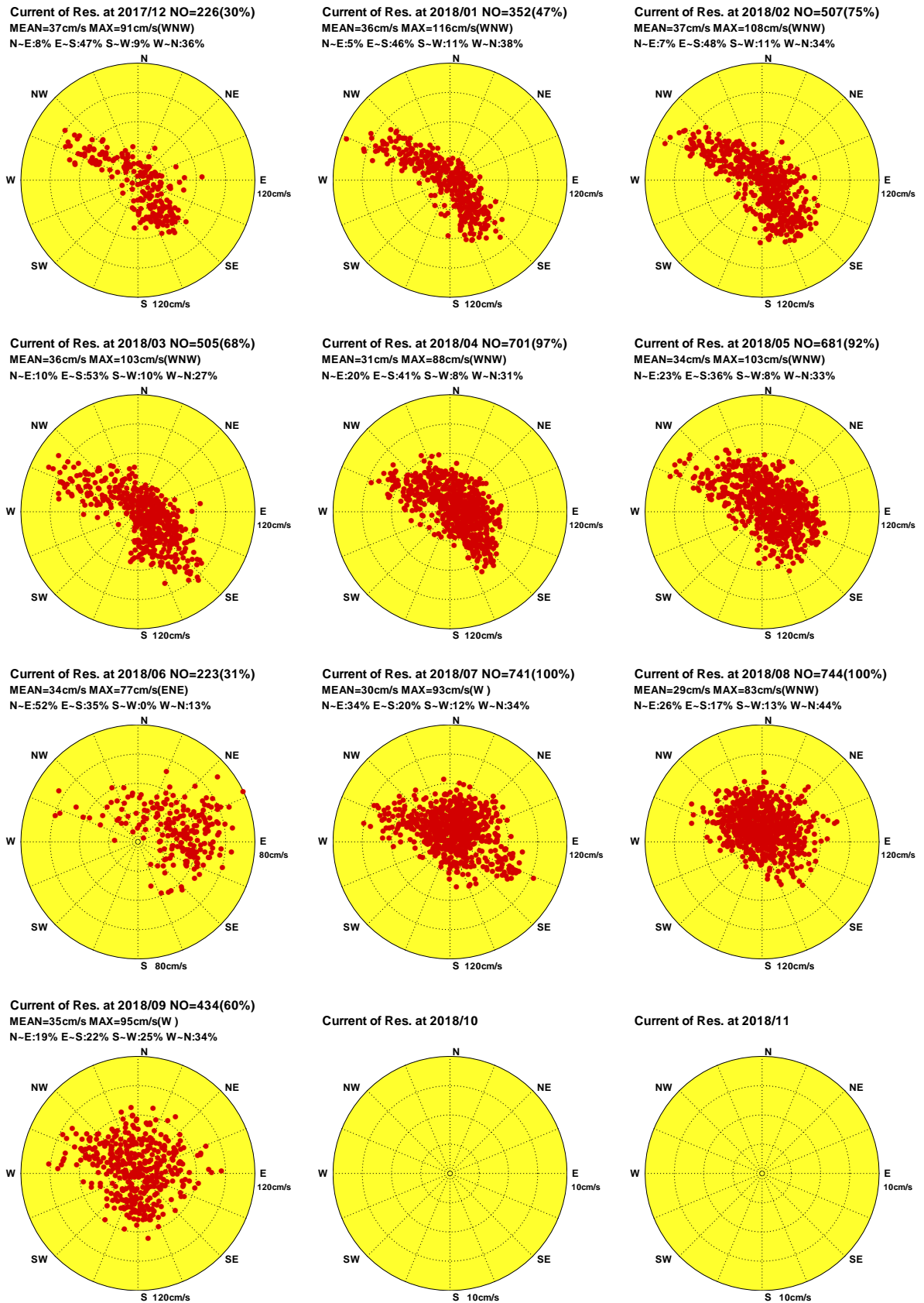


圖4.4.1c 2018年金門海域每月測站 X 計算殘流向量分佈圖

C17CKMX0.1HR C181KMX0.1HR C182KMX0.1HR C183KMX0.1HR C184KMX0.1HR C185KMX0.1HR
 C186KMX0.1HR C187KMX0.1HR C188KMX0.1HR C189KMX0.1HR C18AKMX0.1HR C18BKMX0.1HR

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Distribution of Current Vectors

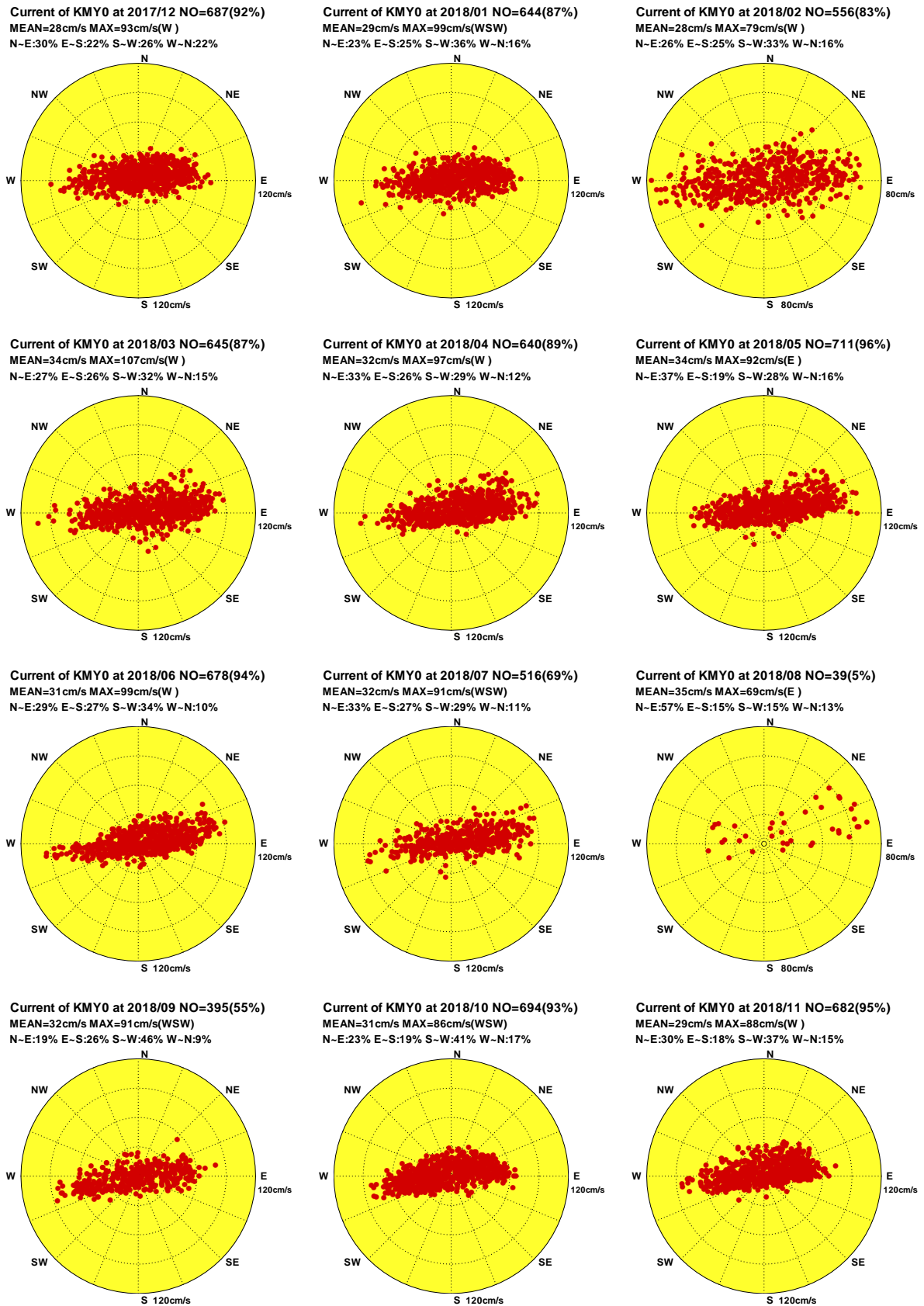


圖4.4.2a 2018年金門海域每月測站 Y 觀測海流向量分佈圖

C17CKMY0.1H0 C181KMY0.1H0 C182KMY0.1H0 C183KMY0.1H0 C184KMY0.1H0 C185KMY0.1H0
 C186KMY0.1H0 C187KMY0.1H0 C188KMY0.1H0 C189KMY0.1H0 C18AKMY0.1H0 C18BKMY0.1H0

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Distribution of Current Vectors

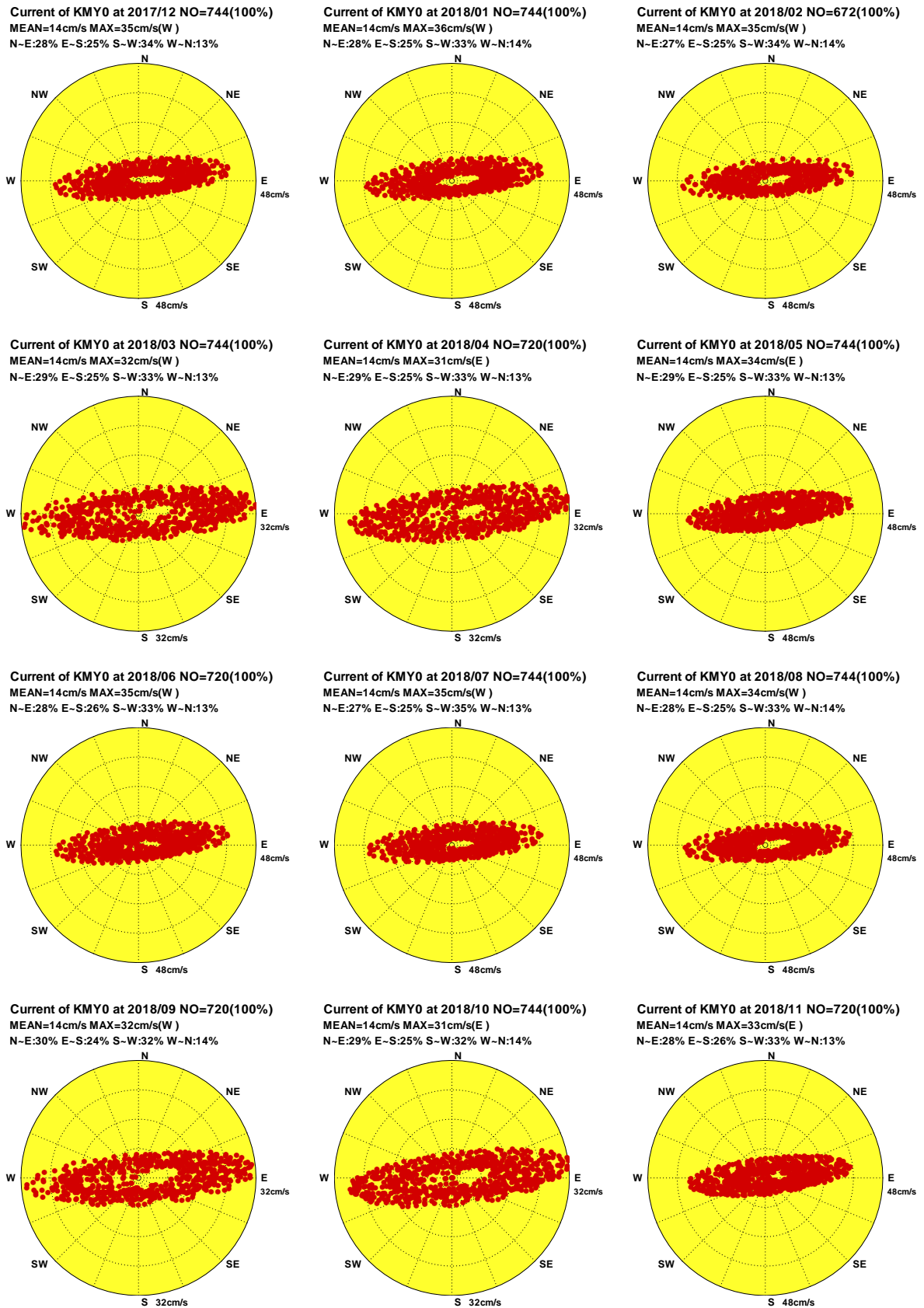


圖4.4.2b 2018年金門海域每月測站 Y 計算潮流向量分佈圖

C17CKMY0.1HD C181KMY0.1HD C182KMY0.1HD C183KMY0.1HD C184KMY0.1HD C185KMY0.1HD
 C186KMY0.1HD C187KMY0.1HD C188KMY0.1HD C189KMY0.1HD C18AKMY0.1HD C18BKMY0.1HD

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Distribution of Current Vectors

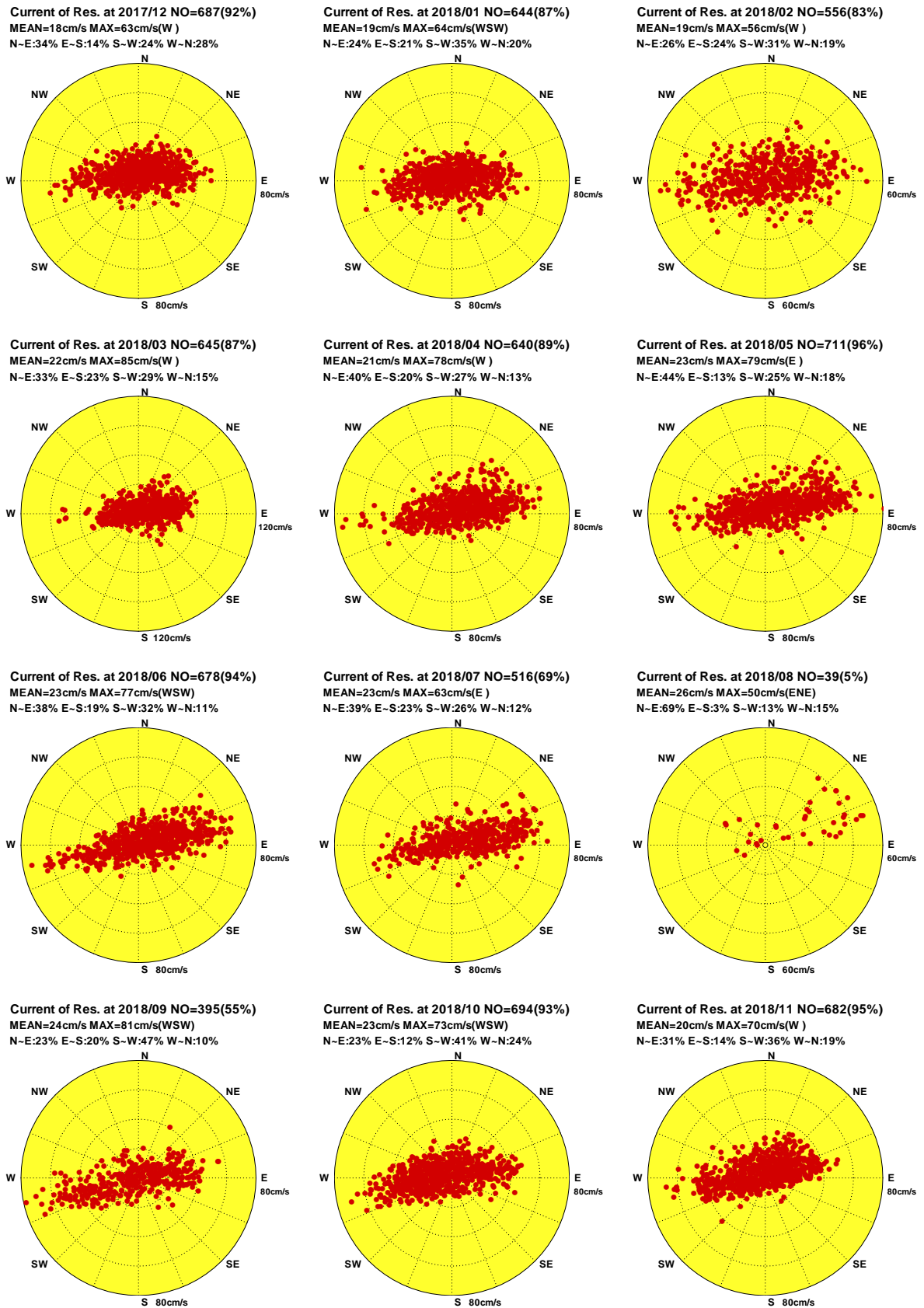


圖4.4.2c 2018年金門海域每月測站 Y 計算殘流向量分佈圖

C17CKMY0.1HR C181KMY0.1HR C182KMY0.1HR C183KMY0.1HR C184KMY0.1HR C185KMY0.1HR
 C186KMY0.1HR C187KMY0.1HR C188KMY0.1HR C189KMY0.1HR C18AKMY0.1HR C18BKMY0.1HR

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4.5 2018 年金門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

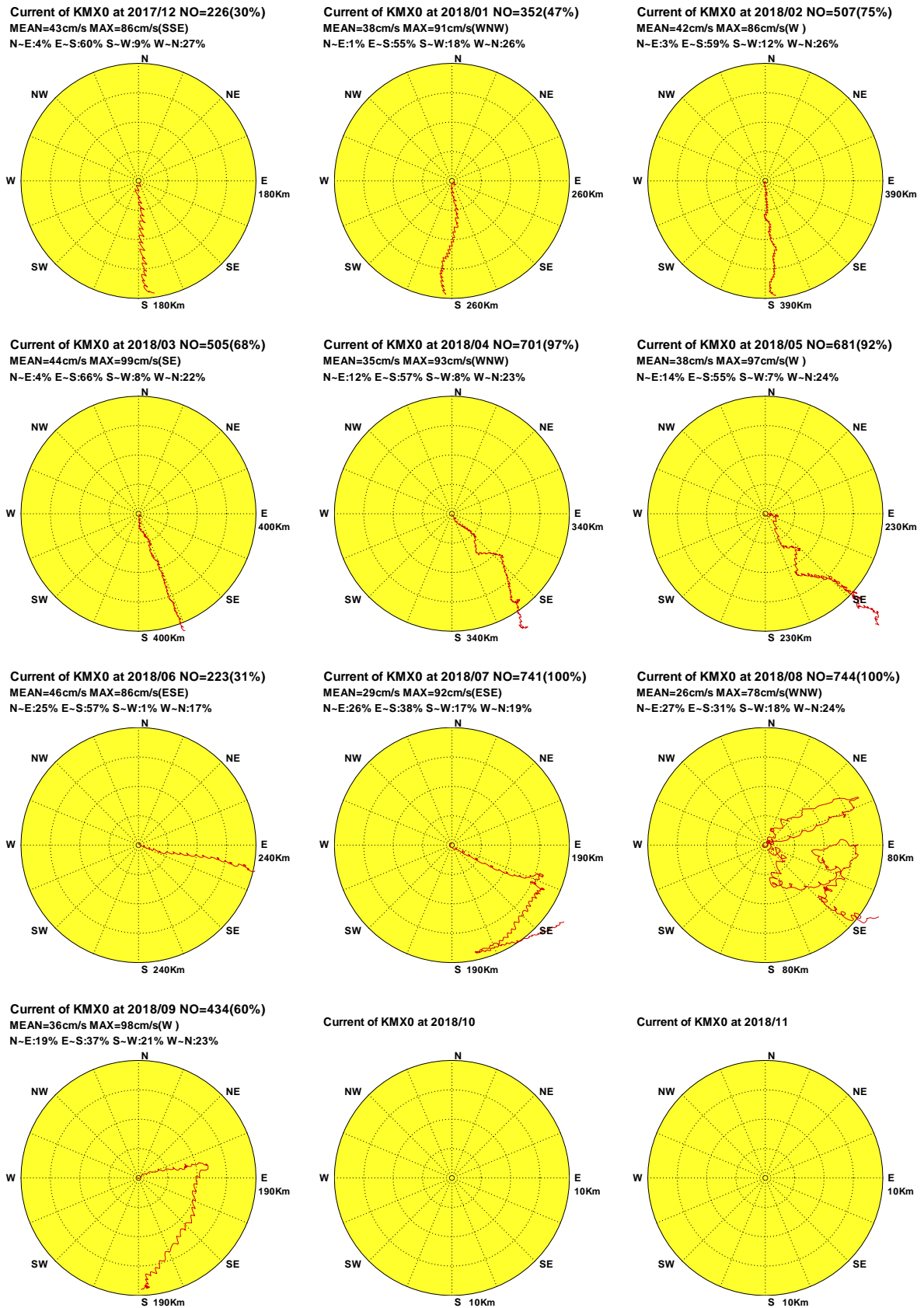


圖4.5.1a 2018年金門海域每月測站 X 觀測海流向量行進圖

C17CKMX0.1H0 C181KMX0.1H0 C182KMX0.1H0 C183KMX0.1H0 C184KMX0.1H0 C185KMX0.1H0
C186KMX0.1H0 C187KMX0.1H0 C188KMX0.1H0 C189KMX0.1H0 C18AKMX0.1H0 C18BKMX0.1H0

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Progressive Vector Diagram of Current

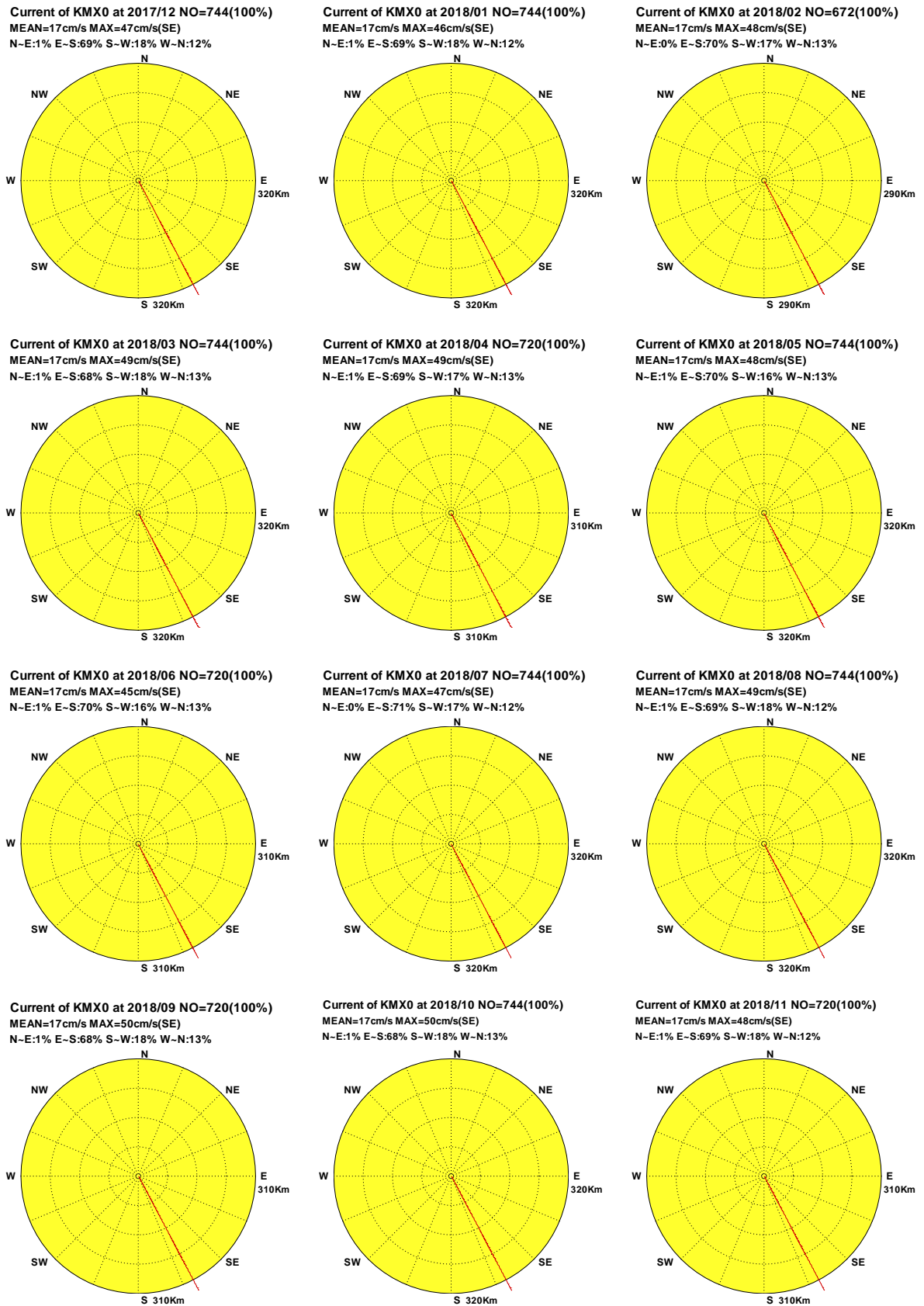


圖4.5.1b 2018年金門海域每月測站 X 計算潮流向量行進圖

C17CKMX0.1HD C181KMX0.1HD C182KMX0.1HD C183KMX0.1HD C184KMX0.1HD C185KMX0.1HD
 C186KMX0.1HD C187KMX0.1HD C188KMX0.1HD C189KMX0.1HD C18AKMX0.1HD C18BKMX0.1HD

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Progressive Vector Diagram of Current

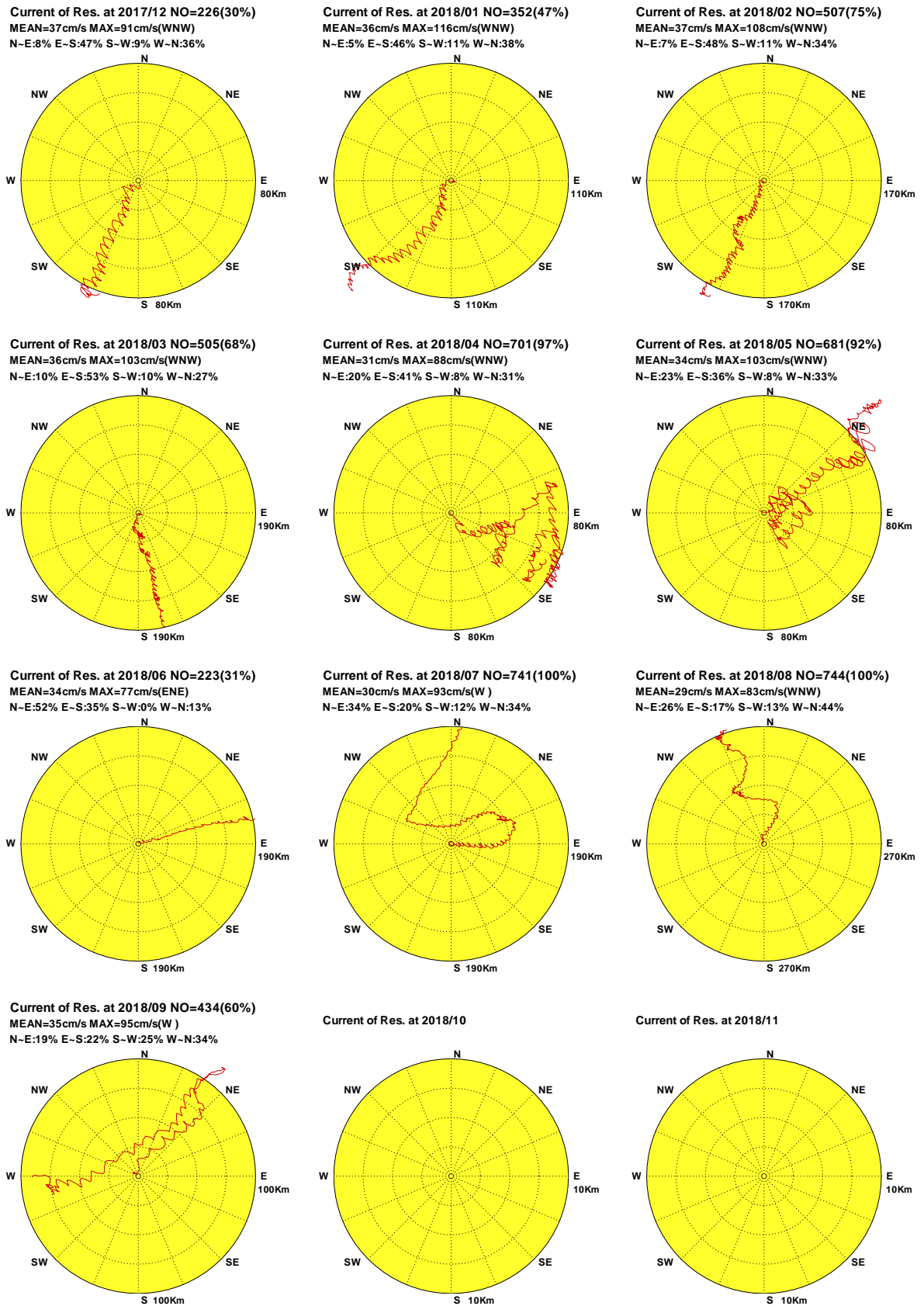


圖4.5.1c 2018年金門海域每月測站 X 計算殘流向量行進圖

C17CKMX0.1HR C181KMX0.1HR C182KMX0.1HR C183KMX0.1HR C184KMX0.1HR C185KMX0.1HR
C186KMX0.1HR C187KMX0.1HR C188KMX0.1HR C189KMX0.1HR C18AKMX0.1HR C18BKMX0.1HR

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Progressive Vector Diagram of Current

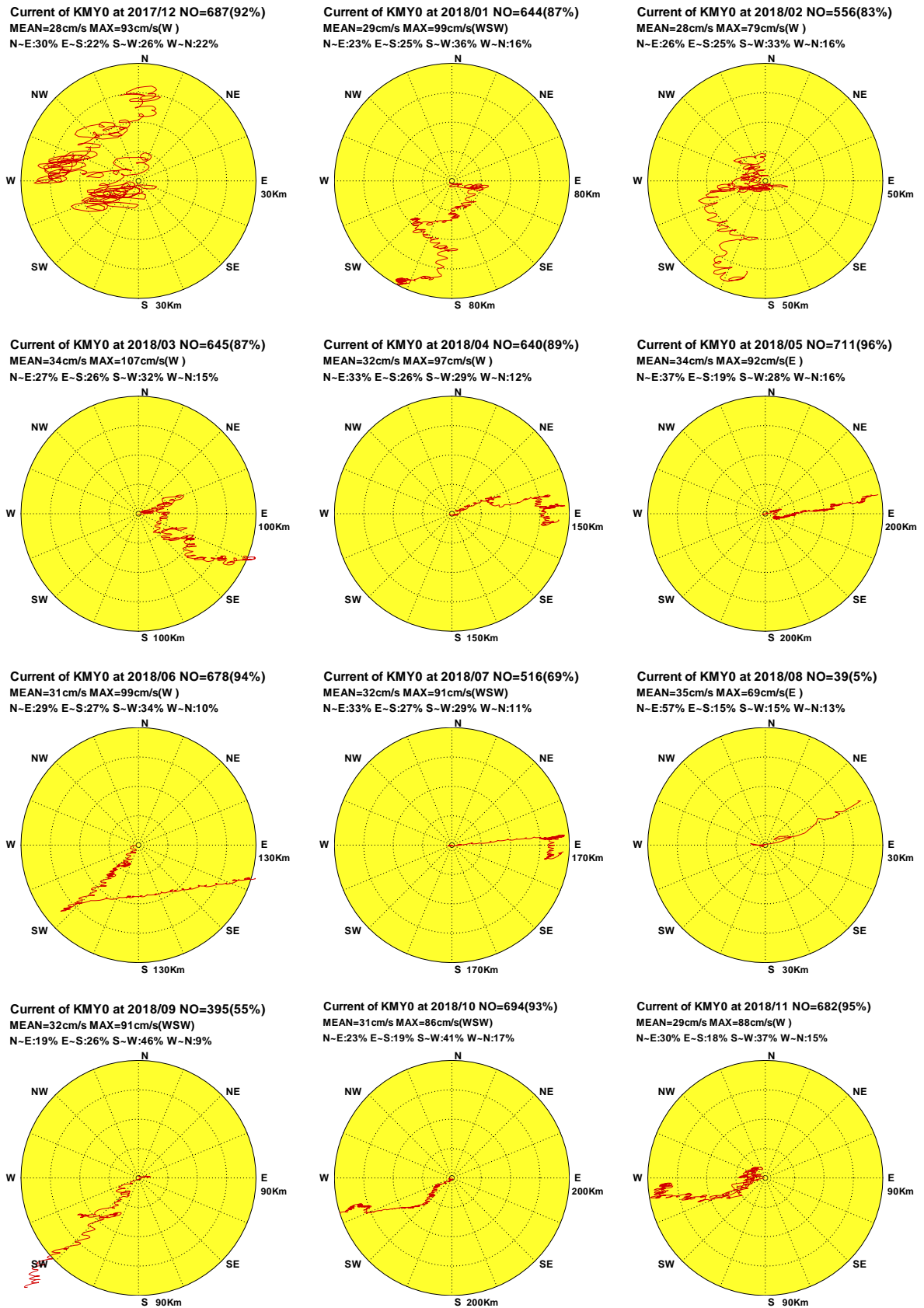


圖4.5.2a 2018年金門海域每月測站 Y 觀測海流向量行進圖

C17CKMY0.1H0 C181KMY0.1H0 C182KMY0.1H0 C183KMY0.1H0 C184KMY0.1H0 C185KMY0.1H0
 C186KMY0.1H0 C187KMY0.1H0 C188KMY0.1H0 C189KMY0.1H0 C18AKMY0.1H0 C18BKMY0.1H0

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Progressive Vector Diagram of Current

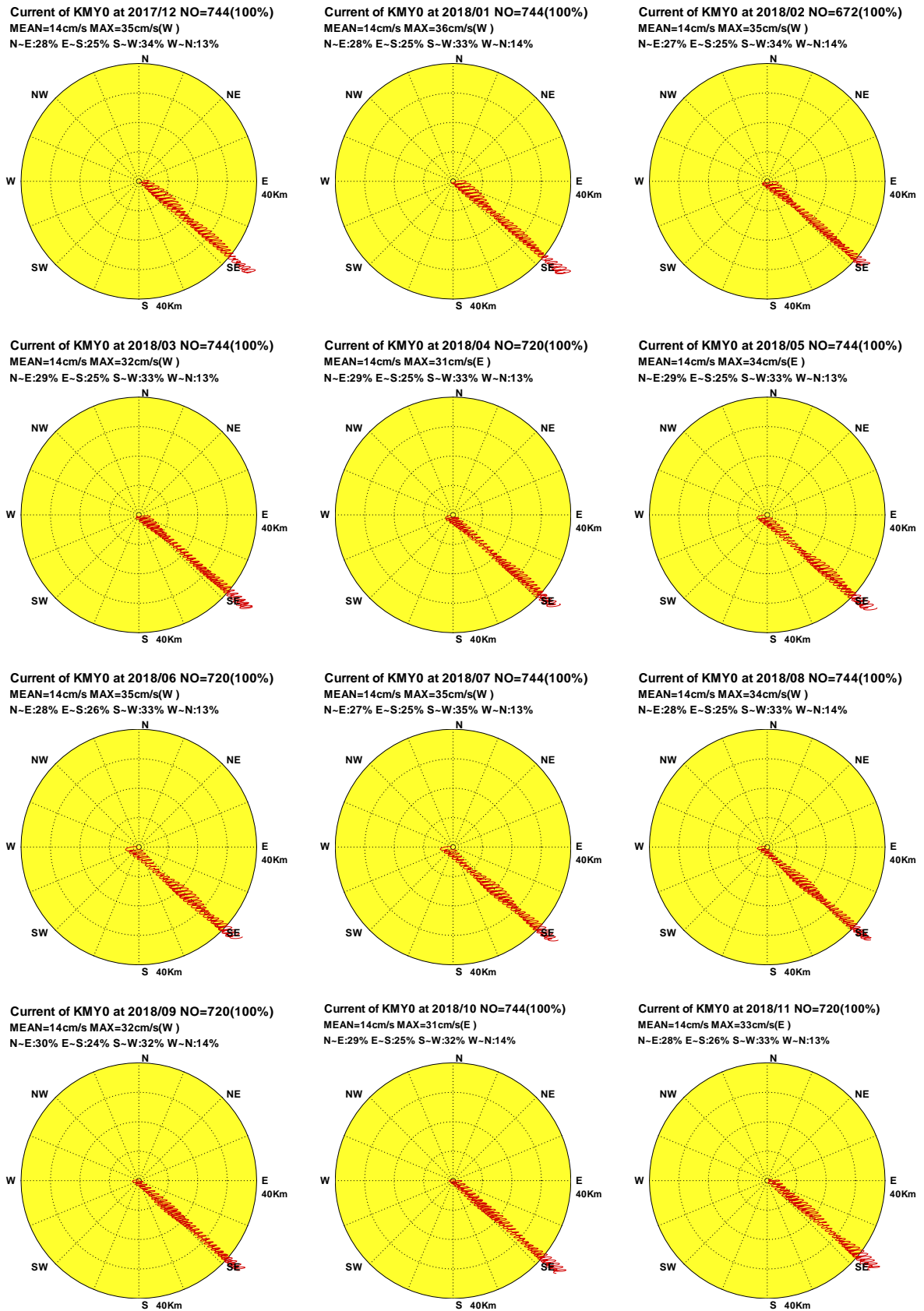


圖4.5.2b 2018年金門海域每月測站 Y 計算潮流向量行進圖

C17CKMY0.1HD C181KMY0.1HD C182KMY0.1HD C183KMY0.1HD C184KMY0.1HD C185KMY0.1HD
 C186KMY0.1HD C187KMY0.1HD C188KMY0.1HD C189KMY0.1HD C18AKMY0.1HD C18BKMY0.1HD

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Progressive Vector Diagram of Current

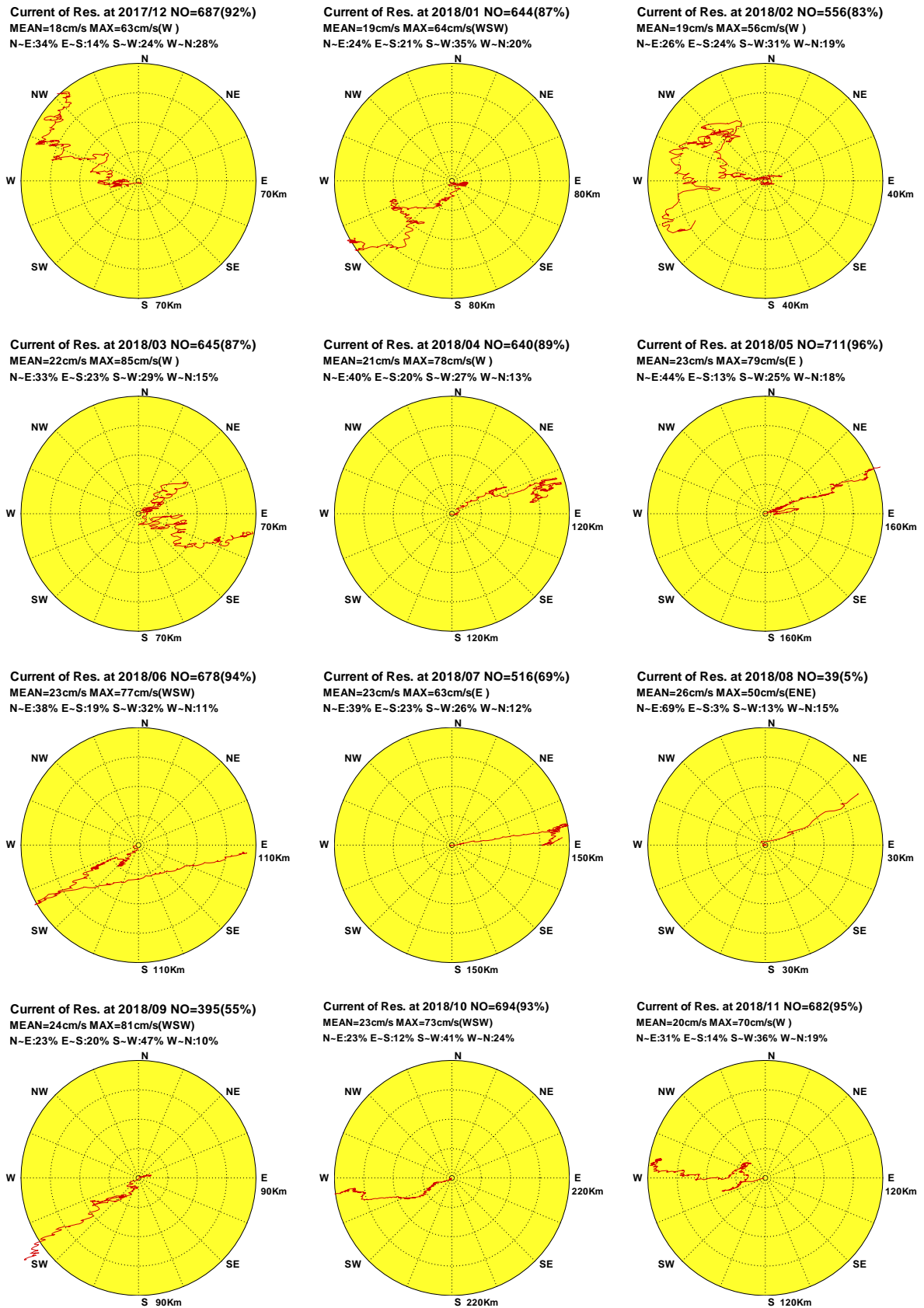


圖4.5.2c 2018年金門海域每月測站 Y 計算殘流向量行進圖

C17CKMY0.1HR C181KMY0.1HR C182KMY0.1HR C183KMY0.1HR C184KMY0.1HR C185KMY0.1HR
 C186KMY0.1HR C187KMY0.1HR C188KMY0.1HR C189KMY0.1HR C18AKMY0.1HR C18BKMY0.1HR

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