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# 2014 年臺灣海氣象觀測資料統計年報 (基隆港域觀測海氣象資料)



交通部運輸研究所

中華民國 106 年 10 月

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著者：蘇青和、李俊穎、蔡立宏、廖慶堂、蔣敏玲  
衛紀淮、羅冠顯、林受勳、傅怡釗、陳鈞彥

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| 摘要：<br><p style="text-align: center;">本港灣觀測海氣象資料統計年報，包括基隆港域2014年觀測風力、波浪、潮汐及海流等資料之觀測記錄表及各項統計表及統計圖。</p>  |                         |                            |  |
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| 備註：本研究之結論與建議不代表交通部之意見。   |                         |                            |  |



# 2014 年港灣海氣象觀測資料統計年報 (基隆港域觀測海氣象資料)

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## 誌 謝

2014 年觀測風力資料，蒐集之北端海域風力資料，除本中心自行觀測之外，在基隆港氣象站(測站 E、F 及 M)、龍洞氣象站(測站 J)、龍洞海上浮標(測站 Y)、富貴角海上浮標(測站 R)、彭佳嶼氣象站(測站 I)等觀測風力資料，係交通部中央氣象局(CWB)提供;基隆海域附近海上浮標(測站 Z)觀測風力資料，係國立臺灣海洋大學(NTOC)裝設，謹致謝忱。

2014 年觀測波浪資料，蒐集之北端海域波浪資料，除本中心自行觀測之外，在龍洞海上浮標(測站 Y)、富貴角海上浮標(測站 R)等觀測波浪資料，係交通部中央氣象局(CWB)提供;基隆海域附近海上浮標(測站 Z)觀測波浪儀，係國立臺灣海洋大學(NTOC)裝設，謹致謝忱。

2014 年觀測潮汐資料，蒐集之北端海域潮汐觀測資料，除本中心自行觀測之外，在基隆港(測站 F 及測站 M)、龍洞(測站 J)、麟山鼻(測站 K)、彭佳嶼(測站 P)等觀測潮汐資料，係交通部中央氣象局提供，謹致謝忱。



# 第一章 2014 基隆港域觀測風力資料統計圖表

## 1.1 基隆港域風力觀測位置及資料蒐集處理分析

基隆港域風之觀測係 2002 年 6 月本中心(IHMT)安裝 Young Brand 風速計於基隆港(稱測站 W)，其位置如附圖 1.1.1，2010 年 10 月後更新安裝 Gill 二維超音波式風速計。北端海域(富貴角~龍洞)包括測站 E(基隆)、測站 F(基隆)及測站 I(彭佳嶼)之風速儀屬中央氣象局(CWB)所有，測站 Y(龍洞外海浮標站)及測站 R(富貴角外海浮標站)之風速儀也屬中央氣象局所有，測站 Z(基隆外海浮標站)之風速儀則為國立臺灣海洋大學(NOTC)所裝設。

本中心測站風資料之蒐集係採取每小時測定十分鐘之風速、風向數據加以平均，而得出該小時之平均風速、平均風向、最大陣風風速、最大陣風風向、最大陣風之發生時間。本中心之風力資料以取平均風速及平均風向為主。其他測站觀測風速、風向資料也是平均風速(m/s)及風向(度)。各測站歷年觀測風資料蒐集概況如表 1.1.1。

表 1.1.1 北端海域觀測風力資料蒐集概況表(統計時間至 2014 年 11 月)

| 測站 | 緯度         | 經度          | 觀測期間                 | 觀測單位   | 備註    |
|----|------------|-------------|----------------------|--------|-------|
| W  | 25°09'19"N | 121°45'09"E | 2002/06-2014/11(觀測中) | 港研中心   | 基隆港區  |
| E  | 25°07'58"N | 121°44'26"E | 1999/01-2014/11(觀測中) | 中央氣象局  | 基隆    |
| F  |            |             | 2014/01-2014/11(觀測中) | 中央氣象局  | 基隆    |
| Y  | 25°05'54"N | 121°55'22"E | 1998/09-2014/11(觀測中) | 中央氣象局  | 龍洞浮標站 |
| Z  | 25°09'17"N | 121°47'06"E | 2012/05-2014/11(觀測中) | 臺灣海洋大學 | 基隆浮標站 |
| R  | 25°18'15"N | 121°32'05"E | 2014/12-2014/11(觀測中) | 中央氣象局  | 富貴角浮標 |
| I  | 25°37'46"N | 122°04'17"E | 2014/08-2014/11(觀測中) | 中央氣象局  | 彭佳嶼   |

本年報 2014 年及歷年以取經檢核及修補後之 W 站資料(稱主要測站)作為風力統計分析，每月觀測之風資料記錄期間統計表，如表 1.1.2。

2014 年整年期間為 2013/12/01~2014/11/30，2014 年冬季期間為 2013/12/01~2014/02/29，2014 年春季期間為 2014/03/01~2014/05/30，2014 年夏季期間為 2014/06/01~2014/08/31，2014 年秋季定義期間為 2014/09/01~2014/11/30。

歷年定義期間為 2002/12/01~2014/11/30 計 12 年，歷年冬季期間定義歷年期間包括 12 月、1 月及 2 月等 3 個月份，歷年春季期間定義歷年期間包括 3 月、4 月及 5 月等 3 個月份，歷年夏季期間定義為歷年期間包括 6 月、7 月及 8 月等 3 個月份，歷年秋季期間定義為歷年期間包括 9 月、10 月及 11 月等 3 個月份。

**基隆港域風力資料統計表如本章第二節，包括：**

1. 主要測站風力重要物理量 2014 年及歷年分月、分季、分年之風速及風向重要物理量統計表。
2. 2014 颱風期間風力資料記錄統計表及重要物理量統計表。
3. 2014 及歷年分月、分季、分年之風速及風向分佈百分比統計表。
4. 2014 及歷年分月、分季、分年逐時風速平均值及最大值統計表。
5. 2014 及歷年分月、分季、分年每日風速平均值及最大值統計表。
6. 2014 年及歷年分月、分季、分年之風速( $m/sec$ )及風向(來向)聯合分佈百分比統計表

**基隆港域風力資料統計圖如本章第三節，包括：**

1. 主要測站風力重要物理量 2014 年及歷年分月、分季、分年之風速及風向重要物理量統計圖。
2. 2014 年及歷年分月季年之逐時風速平均值(最大值)統計圖。
3. 2014 年及歷年分月季年之每日風速平均值(最大值)統計圖。
4. 2014 年及歷年分月季年之風速及風向方塊圖。
5. 2014 年及歷年分月季年之風玫瑰圖。

# 北端海域



圖 1.1.1 北端海域風力觀測站位置示意圖

表 1.1.2 基隆港域風力主要測站 2014 年及歷年修補後資料紀錄統計

| 序號 | 測站 | 檔名           | 啓止時間<br>(年、月、日 時)             | 觀測<br>天數 | 觀測<br>筆數 | 缺失<br>筆數 | 實際<br>筆數 | 資料缺失日 |
|----|----|--------------|-------------------------------|----------|----------|----------|----------|-------|
| 1  | W  | W13CKLW0.1HA | 2013/12.01.00:~2013/12.31.23: | 31       | 744      | 0        | 744      |       |
| 2  | W  | W141KLW0.1HA | 2014/01.01.00:~2014/01.31.23: | 31       | 744      | 0        | 744      |       |
| 3  | W  | W142KLW0.1HA | 2014/02.01.00:~2014/02.28.23: | 28       | 672      | 0        | 672      |       |
| 4  | W  | W143KLW0.1HA | 2014/03.01.00:~2014/03.31.23: | 31       | 744      | 0        | 744      |       |
| 5  | W  | W144KLW0.1HA | 2014/04.01.00:~2014/04.30.23: | 30       | 720      | 0        | 720      |       |
| 6  | W  | W145KLW0.1HA | 2014/05.01.00:~2014/05.31.23: | 31       | 744      | 0        | 744      |       |
| 7  | W  | W146KLW0.1HA | 2014/06.01.00:~2014/06.30.23: | 30       | 720      | 0        | 720      |       |
| 8  | W  | W147KLW0.1HA | 2014/07.01.00:~2014/07.31.23: | 31       | 744      | 0        | 744      |       |
| 9  | W  | W148KLW0.1HA | 2014/08.01.00:~2014/08.31.23: | 31       | 744      | 0        | 744      |       |
| 10 | W  | W149KLW0.1HA | 2014/09.01.00:~2014/09.30.23: | 30       | 720      | 0        | 720      |       |
| 11 | W  | W14AKLW0.1HA | 2014/10.01.00:~2014/10.31.23: | 31       | 744      | 0        | 744      |       |
| 12 | W  | W14BKLW0.1HA | 2014/11.01.00:~2014/11.30.23: | 30       | 720      | 0        | 720      |       |
| 13 | W  | W14WKLW0.1HY | 2013/12.01.00:~2014/02.28.23: | 90       | 2160     | 0        | 2160     |       |
| 14 | W  | W14NKLW0.1HY | 2014/03.01.00:~2014/05.31.23: | 92       | 2208     | 0        | 2208     |       |
| 15 | W  | W14SKLW0.1HY | 2014/06.01.00:~2014/08.31.23: | 92       | 2208     | 0        | 2208     |       |
| 16 | W  | W14FKLW0.1HY | 2014/09.01.00:~2014/11.30.23: | 91       | 2184     | 0        | 2184     |       |
| 17 | W  | W140KLW0.1HY | 2013/12.01.00:~2014/11.30.23: | 365      | 8760     | 0        | 8760     |       |
| 18 | W  | W44CKLW0.1HY | 2002/12.01.00:~2013/12.31.23: | 372      | 8928     | 0        | 8928     |       |
| 19 | W  | W441KLW0.1HY | 2003/01.01.00:~2014/01.31.23: | 372      | 8928     | 0        | 8928     |       |
| 20 | W  | W442KLW0.1HY | 2003/02.01.00:~2014/02.28.23: | 339      | 8136     | 0        | 8136     |       |
| 21 | W  | W443KLW0.1HY | 2003/03.01.00:~2014/03.31.23: | 372      | 8928     | 0        | 8928     |       |
| 22 | W  | W444KLW0.1HY | 2003/04.01.00:~2014/04.30.23: | 360      | 8640     | 0        | 8640     |       |
| 23 | W  | W445KLW0.1HY | 2003/05.01.00:~2014/05.31.23: | 372      | 8928     | 0        | 8928     |       |
| 24 | W  | W446KLW0.1HY | 2003/06.01.00:~2014/06.30.23: | 360      | 8640     | 0        | 8640     |       |
| 25 | W  | W447KLW0.1HY | 2003/07.01.00:~2014/07.31.23: | 372      | 8928     | 0        | 8928     |       |
| 26 | W  | W448KLW0.1HY | 2003/08.01.00:~2014/08.31.23: | 372      | 8928     | 0        | 8928     |       |
| 27 | W  | W449KLW0.1HY | 2003/09.01.00:~2014/09.30.23: | 360      | 8640     | 0        | 8640     |       |
| 28 | W  | W44AKLW0.1HY | 2003/10.01.00:~2014/10.31.23: | 372      | 8928     | 0        | 8928     |       |
| 29 | W  | W44BKLW0.1HY | 2003/11.01.00:~2014/11.30.23: | 360      | 8640     | 0        | 8640     |       |
| 30 | W  | W44WKLW0.1HY | 2002/12.01.00:~2014/02.28.23: | 1083     | 25992    | 0        | 25992    |       |
| 31 | W  | W44NKLW0.1HY | 2003/03.01.00:~2014/05.31.23: | 1104     | 26496    | 0        | 26496    |       |
| 32 | W  | W44SKLW0.1HY | 2003/06.01.00:~2014/08.31.23: | 1104     | 26496    | 0        | 26496    |       |
| 33 | W  | W44FKLW0.1HY | 2003/09.01.00:~2014/11.30.23: | 1092     | 26208    | 0        | 26208    |       |
| 34 | W  | W440KLW0.1HY | 2002/12.01.00:~2014/11.30.23: | 4383     | 105192   | 0        | 105192   |       |

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## 1.2 基隆港域主要測站風力資料統計表



表 1.2.1a 2014 年基隆港域主要測站風速及風向重要統計量統計表

| 序號 | 日期<br>(年、月) | 觀測<br>點數<br>(NO) | 風速<br>平均值<br>(m/s) | 風速/風向<br>最大值<br>(m/s)/(來向) | 風速<br><5m/s<br>(%) | 風速<br>5~10 m/s<br>(%) | 風速<br>10~15 m/s<br>(%) | 風速<br>>15m/s<br>(%) | 風向<br>N ~E<br>(%) | 風向<br>E ~S<br>(%) | 風向<br>S ~W<br>(%) | 風向<br>W ~N<br>(%) | 靜風<br><0.3m/s<br>(%) |
|----|-------------|------------------|--------------------|----------------------------|--------------------|-----------------------|------------------------|---------------------|-------------------|-------------------|-------------------|-------------------|----------------------|
| 1  | 2013/12     | 744(100%)        | 5.0                | 13.8/N                     | 52.7               | 42.1                  | 5.2                    | .0                  | 65.2              | 13.3              | 11.0              | 10.5              | .0                   |
| 2  | 2014/01     | 744(100%)        | 4.6                | 12.2/N                     | 60.3               | 34.0                  | 5.6                    | .0                  | 53.1              | 15.6              | 21.4              | 9.9               | .0                   |
| 3  | 2014/02     | 672(100%)        | 4.6                | 12.6/N                     | 59.1               | 35.3                  | 5.7                    | .0                  | 37.1              | 15.5              | 12.8              | 34.7              | .0                   |
| 4  | 2014/03     | 744(100%)        | 4.0                | 11.1/N                     | 66.4               | 32.9                  | .7                     | .0                  | 36.4              | 22.7              | 17.6              | 23.3              | .0                   |
| 5  | 2014/04     | 720(100%)        | 2.9                | 7.4/N                      | 88.8               | 11.3                  | .0                     | .0                  | 43.8              | 19.2              | 15.4              | 21.7              | .0                   |
| 6  | 2014/05     | 744(100%)        | 2.2                | 12.8/N                     | 94.9               | 4.8                   | .3                     | .0                  | 25.7              | 30.1              | 25.9              | 18.3              | .0                   |
| 7  | 2014/06     | 720(100%)        | 2.4                | 9.5/N                      | 88.8               | 11.3                  | .0                     | .0                  | 40.4              | 16.9              | 24.9              | 17.6              | .1                   |
| 8  | 2014/07     | 744(100%)        | 3.3                | 16.4/SSE                   | 85.2               | 12.9                  | 1.2                    | .7                  | 24.3              | 32.5              | 26.6              | 16.5              | .0                   |
| 9  | 2014/08     | 744(100%)        | 2.3                | 6.9/SE                     | 96.2               | 3.8                   | .0                     | .0                  | 22.2              | 22.6              | 42.9              | 12.4              | .0                   |
| 10 | 2014/09     | 720(100%)        | 2.7                | 13.2/SSE                   | 91.3               | 7.2                   | 1.5                    | .0                  | 38.2              | 32.8              | 20.8              | 8.2               | .0                   |
| 11 | 2014/10     | 744(100%)        | 4.6                | 10.8/N                     | 56.7               | 42.7                  | .5                     | .0                  | 59.3              | 20.4              | 6.9               | 13.4              | .0                   |
| 12 | 2014/11     | 720(100%)        | 4.1                | 14.5/NNE                   | 66.7               | 28.6                  | 4.7                    | .0                  | 63.8              | 13.3              | 12.2              | 10.7              | .0                   |
| 13 | 2014/冬      | 2160(100%)       | 4.8                | 13.8/N                     | 57.3               | 37.2                  | 5.5                    | .0                  | 52.3              | 14.8              | 15.1              | 17.8              | .0                   |
| 14 | 2014/春      | 2208(100%)       | 3.0                | 12.8/N                     | 83.3               | 16.4                  | .3                     | .0                  | 35.2              | 24.0              | 19.7              | 21.1              | .0                   |
| 15 | 2014/夏      | 2208(100%)       | 2.7                | 16.4/SSE                   | 90.1               | 9.3                   | .4                     | .2                  | 28.8              | 24.1              | 31.5              | 15.5              | .0                   |
| 16 | 2014/秋      | 2184(100%)       | 3.8                | 14.5/NNE                   | 71.4               | 26.4                  | 2.2                    | .0                  | 53.8              | 22.2              | 13.2              | 10.8              | .0                   |
| 17 | 2014/年      | 8760(100%)       | 3.6                | 16.4/SSE                   | 75.6               | 22.2                  | 2.1                    | .1                  | 42.4              | 21.3              | 19.9              | 16.3              | .0                   |

表 1.2.1b 歷年基隆港域主要測站風速及風向重要統計量統計表

| 序號 | 日期<br>(年、月) | 觀測<br>點數<br>(NO) | 風速<br>平均值<br>(m/s) | 風速/風向<br>最大值<br>(m/s)/(來向) | 風速<br><5m/s<br>(%) | 風速<br>5~10 m/s<br>(%) | 風速<br>10~15 m/s<br>(%) | 風速<br>>15m/s<br>(%) | 風向<br>N ~E<br>(%) | 風向<br>E ~S<br>(%) | 風向<br>S ~W<br>(%) | 風向<br>W ~N<br>(%) | 靜風<br><0.3m/s<br>(%) |
|----|-------------|------------------|--------------------|----------------------------|--------------------|-----------------------|------------------------|---------------------|-------------------|-------------------|-------------------|-------------------|----------------------|
| 1  | 歷年/01       | 8928(100%)       | 4.6                | 15.4/NNE                   | 55.5               | 41.5                  | 3.1                    | .0                  | 65.6              | 9.1               | 12.6              | 11.8              | .9                   |
| 2  | 歷年/02       | 8136(100%)       | 3.9                | 13.0/N                     | 68.0               | 30.3                  | 1.7                    | .0                  | 54.1              | 10.9              | 16.1              | 17.8              | 1.1                  |
| 3  | 歷年/03       | 8928(100%)       | 3.8                | 13.9/N                     | 70.9               | 28.0                  | 1.2                    | .0                  | 51.9              | 13.0              | 18.1              | 15.4              | 1.6                  |
| 4  | 歷年/04       | 8640(100%)       | 3.1                | 13.4/N                     | 83.0               | 16.6                  | .3                     | .0                  | 44.9              | 20.0              | 21.6              | 12.5              | 1.0                  |
| 5  | 歷年/05       | 8928(100%)       | 2.7                | 15.5/N                     | 89.2               | 10.5                  | .2                     | .0                  | 41.8              | 20.0              | 24.7              | 12.4              | 1.0                  |
| 6  | 歷年/06       | 8640(100%)       | 2.3                | 13.3/NNE                   | 93.3               | 6.6                   | .1                     | .0                  | 36.4              | 16.3              | 32.0              | 14.1              | 1.2                  |
| 7  | 歷年/07       | 8928(100%)       | 3.0                | 27.3/N                     | 86.6               | 11.8                  | 1.2                    | .4                  | 27.0              | 25.8              | 34.3              | 12.3              | .7                   |
| 8  | 歷年/08       | 8928(100%)       | 3.0                | 20.1/N                     | 86.0               | 11.9                  | 1.8                    | .4                  | 28.3              | 27.4              | 31.8              | 12.1              | .5                   |
| 9  | 歷年/09       | 8640(100%)       | 3.7                | 26.1/ENE                   | 77.4               | 18.8                  | 3.2                    | .5                  | 45.1              | 28.6              | 15.4              | 10.4              | .4                   |
| 10 | 歷年/10       | 8928(100%)       | 4.6                | 26.9/N                     | 58.7               | 37.0                  | 4.1                    | .2                  | 68.8              | 13.7              | 6.9               | 10.1              | .5                   |
| 11 | 歷年/11       | 8640(100%)       | 4.5                | 15.2/N                     | 59.5               | 36.4                  | 4.0                    | .0                  | 65.5              | 15.9              | 9.2               | 8.5               | .9                   |
| 12 | 歷年/12       | 8928(100%)       | 4.7                | 15.5/NE                    | 57.1               | 38.7                  | 4.1                    | .0                  | 62.9              | 14.8              | 11.6              | 9.6               | 1.1                  |
| 13 | 歷年/冬        | 25992(100%)      | 4.4                | 15.5/NE                    | 60.0               | 37.0                  | 3.0                    | .0                  | 61.1              | 11.6              | 13.3              | 12.9              | 1.0                  |
| 14 | 歷年/春        | 26496(100%)      | 3.2                | 15.5/N                     | 81.0               | 18.4                  | .6                     | .0                  | 46.2              | 17.7              | 21.5              | 13.5              | 1.2                  |
| 15 | 歷年/夏        | 26496(100%)      | 2.8                | 27.3/N                     | 88.6               | 10.1                  | 1.0                    | .3                  | 30.5              | 23.2              | 32.7              | 12.8              | .8                   |
| 16 | 歷年/秋        | 26208(100%)      | 4.3                | 26.9/N                     | 65.2               | 30.8                  | 3.8                    | .2                  | 59.9              | 19.4              | 10.5              | 9.7               | .6                   |
| 17 | 歷年/年        | 105192(100%)     | 3.7                | 27.3/N                     | 73.8               | 24.0                  | 2.1                    | .1                  | 49.3              | 18.0              | 19.5              | 12.2              | .9                   |

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表 1.2.2a 基隆港域 2014 年颱風期間風力資料紀錄統計表

| 序號 | 颱風名稱 | 港區名稱 | 年/月     | 啓止時間<br>(日.時~日.時) | 觀測<br>天數 | 觀測<br>筆數 | 風力<br>筆數 |
|----|------|------|---------|-------------------|----------|----------|----------|
| 1  | 哈吉貝  | 基隆港域 | 2014/06 | 13.00:00~15.23:00 | 3        | 72       | 72       |
| 2  | 麥德姆  | 基隆港域 | 2014/07 | 21.00:00~23.23:00 | 3        | 72       | 72       |
| 3  | 鳳凰   | 基隆港域 | 2014/09 | 19.00:00~22.23:00 | 4        | 96       | 96       |

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表 1.2.2b 2014 年基隆港域颱風期間風速及風向重要統計量統計表

| 序號 | 颱風名稱 | 颱風期間<br>(月日~月日)<br>觀測點數 | 風速<br>平均值<br>(m/s) | 風速/風向<br>最大值<br>(m/s)/(來向) | 風速<br><5m/s<br>(%) | 風速<br>5~10 m/s<br>(%) | 風速<br>10~15 m/s<br>(%) | 風速<br>>15m/s<br>(%) | 風向<br>N ~E<br>(%) | 風向<br>E ~S<br>(%) | 風向<br>S ~W<br>(%) | 風向<br>W ~N<br>(%) | 靜風<br><0.3m/s<br>(%) |
|----|------|-------------------------|--------------------|----------------------------|--------------------|-----------------------|------------------------|---------------------|-------------------|-------------------|-------------------|-------------------|----------------------|
| 1  | 哈吉貝  | 06/13-06/15<br>72(100%) | 2.6                | 6.2/SSE                    | 95.83              | 4.17                  | .00                    | .00                 | 38.89             | 36.11             | 12.50             | 11.11             | 1.39                 |
| 2  | 麥德姆  | 07/21-07/23<br>72(100%) | 5.8                | 16.4/SSE                   | 72.22              | 8.33                  | 12.50                  | 6.94                | 30.56             | 58.33             | 9.72              | 1.39              | .00                  |
| 3  | 鳳凰   | 09/19-09/22<br>96(100%) | 4.5                | 13.2/SSE                   | 67.71              | 26.04                 | 6.25                   | .00                 | 14.58             | 64.58             | 18.75             | 2.08              | .00                  |

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表1.2.3a 2014年及歷年基隆港域主要測站風速分佈百分比 (%) 統計表

| 風速<br>(m/s) | 0<br>~ 1 | 1<br>~ 2 | 2<br>~ 3 | 3<br>~ 4 | 4<br>~ 5 | 5<br>~ 6 | 6<br>~ 7 | 7<br>~ 8 | 8<br>~ 10 | 10<br>~ 12 | 12<br>~ 14 | 14<br>~ 16 | 16<br>~ 18 | 18<br>~ 20 | 20<br>~ 30 | 30<br>~ 100 | 合計<br>(%) |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|------------|------------|------------|------------|------------|------------|-------------|-----------|
| 年、月         |          |          |          |          |          |          |          |          |           |            |            |            |            |            |            |             |           |
| 2013/12     | 1.3      | 15.7     | 14.2     | 10.3     | 11.0     | 8.3      | 12.2     | 9.9      | 11.6      | 4.2        | 1.1        | .0         | .0         | .0         | .0         | .0          | 100.      |
| 2014/01     | 4.7      | 18.8     | 16.0     | 11.3     | 9.5      | 9.0      | 6.2      | 6.5      | 12.4      | 5.4        | .3         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 2014/02     | 7.0      | 18.8     | 16.7     | 9.8      | 6.8      | 5.5      | 7.7      | 7.6      | 14.4      | 4.5        | 1.2        | .0         | .0         | .0         | .0         | .0          | 100.      |
| 2014/03     | 5.0      | 19.5     | 18.7     | 14.4     | 8.9      | 9.3      | 9.7      | 9.1      | 4.8       | .7         | .0         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 2014/04     | 9.3      | 24.3     | 19.9     | 19.4     | 15.8     | 7.1      | 3.3      | .8       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 2014/05     | 16.0     | 42.9     | 22.4     | 8.7      | 4.8      | 1.5      | .9       | 1.2      | 1.2       | .1         | .1         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 2014/06     | 16.3     | 36.5     | 19.6     | 12.2     | 4.2      | 5.0      | 4.2      | .7       | 1.4       | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 2014/07     | 4.0      | 26.6     | 24.2     | 22.3     | 8.1      | 3.1      | 2.8      | 2.2      | 4.8       | .4         | .4         | .8         | .3         | .0         | .0         | .0          | 100.      |
| 2014/08     | 5.8      | 38.8     | 29.7     | 14.8     | 7.1      | 3.4      | .4       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 2014/09     | 7.6      | 33.3     | 25.8     | 18.1     | 6.4      | 4.2      | 1.1      | .4       | 1.5       | 1.3        | .3         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 2014/10     | 3.6      | 10.9     | 16.4     | 13.6     | 12.2     | 13.8     | 10.8     | 8.2      | 9.9       | .5         | .0         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 2014/11     | 4.4      | 24.3     | 17.5     | 11.7     | 8.8      | 10.8     | 5.7      | 6.0      | 6.1       | 2.2        | 2.4        | .1         | .0         | .0         | .0         | .0          | 100.      |
| 2014/冬      | 4.3      | 17.7     | 15.6     | 10.5     | 9.2      | 7.7      | 8.8      | 8.0      | 12.7      | 4.7        | .8         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 2014/春      | 10.1     | 28.9     | 20.3     | 14.1     | 9.8      | 5.9      | 4.7      | 3.8      | 2.0       | .3         | .0         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 2014/夏      | 8.6      | 34.0     | 24.5     | 16.5     | 6.5      | 3.8      | 2.4      | 1.0      | 2.1       | .1         | .1         | .3         | .1         | .0         | .0         | .0          | 100.      |
| 2014/秋      | 5.2      | 22.7     | 19.9     | 14.4     | 9.2      | 9.7      | 5.9      | 4.9      | 5.9       | 1.3        | .9         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 2014/年      | 7.1      | 25.9     | 20.1     | 13.9     | 8.7      | 6.8      | 5.4      | 4.4      | 5.7       | 1.6        | .5         | .1         | .0         | .0         | .0         | .0          | 100.      |
| 歷年/12       | 5.9      | 14.8     | 14.3     | 11.7     | 10.4     | 9.6      | 10.1     | 9.2      | 9.8       | 3.3        | .8         | .1         | .0         | .0         | .0         | .0          | 100.      |
| 歷年/01       | 6.6      | 14.5     | 13.4     | 11.1     | 9.9      | 11.6     | 11.4     | 9.0      | 9.5       | 2.7        | .3         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 歷年/02       | 8.3      | 20.8     | 17.2     | 11.8     | 9.9      | 8.6      | 7.5      | 7.0      | 7.2       | 1.5        | .3         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 歷年/03       | 8.8      | 19.8     | 17.9     | 13.5     | 10.8     | 9.3      | 8.4      | 5.2      | 5.2       | 1.0        | .2         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 歷年/04       | 9.3      | 25.5     | 22.8     | 14.8     | 10.7     | 7.2      | 4.7      | 3.0      | 1.8       | .3         | .0         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 歷年/05       | 12.4     | 30.0     | 23.9     | 14.3     | 8.6      | 5.2      | 3.0      | 1.4      | 1.0       | .1         | .0         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 歷年/06       | 14.2     | 37.4     | 25.3     | 11.3     | 5.1      | 3.0      | 2.0      | .8       | .8        | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 歷年/07       | 8.8      | 29.5     | 25.8     | 15.4     | 7.1      | 4.0      | 2.9      | 2.3      | 2.6       | .7         | .3         | .3         | .1         | .1         | .1         | .0          | 100.      |
| 歷年/08       | 7.9      | 29.8     | 25.8     | 14.5     | 7.9      | 4.6      | 3.2      | 2.1      | 1.9       | 1.0        | .7         | .3         | .2         | .1         | .0         | .0          | 100.      |
| 歷年/09       | 6.6      | 21.9     | 20.7     | 17.0     | 11.3     | 7.9      | 5.1      | 2.8      | 3.1       | 1.9        | 1.0        | .5         | .2         | .1         | .1         | .0          | 100.      |
| 歷年/10       | 5.5      | 13.4     | 14.1     | 12.7     | 12.9     | 12.4     | 9.7      | 6.8      | 8.0       | 3.1        | .9         | .2         | .1         | .0         | .1         | .0          | 100.      |
| 歷年/11       | 6.2      | 15.5     | 15.1     | 12.3     | 10.3     | 10.9     | 9.6      | 8.5      | 7.4       | 2.9        | 1.0        | .1         | .0         | .0         | .0         | .0          | 100.      |
| 歷年/冬        | 6.9      | 16.6     | 14.9     | 11.5     | 10.1     | 10.0     | 9.7      | 8.4      | 8.9       | 2.5        | .5         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 歷年/春        | 10.2     | 25.1     | 21.5     | 14.2     | 10.0     | 7.2      | 5.4      | 3.2      | 2.6       | .5         | .1         | .0         | .0         | .0         | .0         | .0          | 100.      |
| 歷年/夏        | 10.3     | 32.2     | 25.6     | 13.8     | 6.7      | 3.9      | 2.7      | 1.8      | 1.8       | .6         | .3         | .2         | .1         | .1         | .0         | .0          | 100.      |
| 歷年/秋        | 6.1      | 16.9     | 16.6     | 14.0     | 11.5     | 10.4     | 8.2      | 6.1      | 6.2       | 2.6        | 1.0        | .3         | .1         | .0         | .0         | .0          | 100.      |
| 歷年/年        | 8.4      | 22.7     | 19.7     | 13.4     | 9.6      | 7.9      | 6.5      | 4.8      | 4.9       | 1.5        | .5         | .1         | .0         | .0         | .0         | .0          | 100.      |

表1.2.3b 2014年及歷年基隆港域主要測站風向分佈百分比 (%) 統計表

| 風向<br>年、月 | N    | NNE  | NE   | ENE  | E    | ESE | SE   | SSE | S    | SSW  | SW   | WSW | W   | WNW | NW  | NNW  | 靜風<br>(%) |
|-----------|------|------|------|------|------|-----|------|-----|------|------|------|-----|-----|-----|-----|------|-----------|
| 2013/12   | 14.9 | 28.8 | 16.4 | 7.1  | 7.1  | 4.0 | 1.9  | 1.3 | 5.8  | 4.7  | .9   | 1.5 | .3  | .7  | 2.0 | 2.6  | .0        |
| 2014/01   | 12.6 | 21.6 | 9.5  | 9.3  | 4.8  | 3.8 | 4.3  | 3.1 | 8.1  | 11.6 | 3.1  | .8  | .3  | .5  | 2.0 | 4.6  | .0        |
| 2014/02   | 24.7 | 13.2 | 7.6  | 5.8  | 3.1  | 3.0 | 4.6  | 4.2 | 4.8  | 6.0  | 2.8  | 1.2 | .3  | 1.0 | 4.8 | 12.9 | .0        |
| 2014/03   | 10.3 | 17.3 | 7.3  | 3.5  | 4.8  | 5.0 | 6.6  | 5.4 | 11.3 | 6.2  | 2.3  | 1.6 | .1  | 1.5 | 5.4 | 11.4 | .0        |
| 2014/04   | 10.6 | 14.4 | 12.6 | 8.5  | 4.7  | 5.4 | 5.0  | 3.8 | 6.1  | 5.3  | 4.3  | 1.7 | 1.5 | .8  | 6.8 | 8.5  | .0        |
| 2014/05   | 7.0  | 9.0  | 4.7  | 6.6  | 5.5  | 7.0 | 7.1  | 7.8 | 12.9 | 10.5 | 4.6  | 2.2 | 1.2 | 1.5 | 5.0 | 7.5  | .0        |
| 2014/06   | 11.0 | 11.9 | 10.6 | 7.1  | 5.0  | 2.2 | 4.3  | 5.0 | 8.9  | 10.1 | 6.5  | 1.9 | 1.0 | 1.1 | 5.3 | 7.9  | .1        |
| 2014/07   | 4.6  | 5.5  | 5.0  | 6.0  | 8.7  | 5.6 | 13.4 | 7.8 | 9.0  | 12.6 | 5.2  | 1.9 | .5  | 2.0 | 5.5 | 6.5  | .0        |
| 2014/08   | 5.6  | 7.1  | 6.6  | 3.6  | 3.9  | 5.9 | 7.4  | 5.9 | 9.0  | 21.2 | 10.3 | 3.1 | 1.6 | .7  | 3.6 | 4.3  | .0        |
| 2014/09   | 4.3  | 7.5  | 11.4 | 10.4 | 12.2 | 7.2 | 9.0  | 7.9 | 6.7  | 10.3 | 4.2  | 2.1 | .8  | .4  | 2.5 | 3.1  | .0        |
| 2014/10   | 15.9 | 21.5 | 16.0 | 6.6  | 7.7  | 6.3 | 7.8  | 2.7 | 2.8  | 3.6  | 1.2  | .5  | .3  | .5  | 1.7 | 4.8  | .0        |
| 2014/11   | 8.9  | 21.3 | 22.9 | 11.7 | 4.6  | 3.2 | 3.3  | 2.9 | 4.9  | 7.5  | 1.1  | .6  | .1  | .3  | 2.9 | 3.9  | .0        |
| 2014/冬    | 17.2 | 21.5 | 11.3 | 7.5  | 5.1  | 3.6 | 3.6  | 2.8 | 6.2  | 7.5  | 2.3  | 1.2 | .3  | .7  | 2.9 | 6.5  | .0        |
| 2014/春    | 9.3  | 13.6 | 8.2  | 6.2  | 5.0  | 5.8 | 6.2  | 5.7 | 10.1 | 7.3  | 3.7  | 1.8 | 1.0 | 1.3 | 5.7 | 9.1  | .0        |
| 2014/夏    | 7.0  | 8.2  | 7.3  | 5.6  | 5.9  | 4.6 | 8.4  | 6.3 | 9.0  | 14.7 | 7.4  | 2.3 | 1.0 | 1.3 | 4.8 | 6.2  | .0        |
| 2014/秋    | 9.8  | 16.8 | 16.8 | 9.5  | 8.2  | 5.6 | 6.7  | 4.5 | 4.8  | 7.1  | 2.2  | 1.1 | .4  | .4  | 2.4 | 3.9  | .0        |
| 2014/年    | 10.8 | 15.0 | 10.9 | 7.2  | 6.0  | 4.9 | 6.3  | 4.8 | 7.5  | 9.2  | 3.9  | 1.6 | .7  | .9  | 3.9 | 6.4  | .0        |
| 歷年/12     | 12.4 | 17.9 | 19.4 | 13.0 | 8.4  | 3.9 | 3.0  | 2.5 | 3.3  | 4.0  | 3.7  | 1.7 | .9  | .6  | 1.4 | 2.7  | 1.1       |
| 歷年/01     | 15.9 | 21.0 | 19.0 | 13.1 | 4.1  | 2.3 | 2.0  | 1.7 | 3.6  | 5.3  | 3.2  | 1.3 | .8  | .8  | 1.6 | 3.3  | .9        |
| 歷年/02     | 15.9 | 16.8 | 14.9 | 11.4 | 3.8  | 2.5 | 2.1  | 2.4 | 4.4  | 5.4  | 5.3  | 2.5 | 1.1 | 1.1 | 3.6 | 5.6  | 1.1       |
| 歷年/03     | 13.8 | 19.0 | 13.9 | 9.0  | 3.8  | 2.9 | 2.8  | 2.9 | 5.9  | 7.0  | 4.8  | 2.2 | 1.3 | 1.0 | 3.4 | 4.6  | 1.6       |
| 歷年/04     | 11.4 | 12.9 | 13.6 | 9.7  | 4.7  | 4.5 | 4.9  | 4.7 | 7.2  | 8.3  | 6.3  | 2.4 | 1.6 | .8  | 2.4 | 3.5  | 1.0       |
| 歷年/05     | 9.9  | 11.3 | 13.4 | 8.9  | 5.2  | 4.6 | 4.4  | 4.8 | 7.5  | 9.1  | 7.0  | 3.6 | 1.7 | 1.0 | 2.3 | 4.0  | 1.0       |
| 歷年/06     | 10.7 | 9.8  | 12.1 | 6.5  | 3.8  | 2.8 | 3.5  | 4.6 | 7.6  | 11.7 | 10.7 | 4.4 | 2.1 | 1.3 | 2.9 | 4.2  | 1.2       |
| 歷年/07     | 7.9  | 7.7  | 8.6  | 4.6  | 3.8  | 3.7 | 8.0  | 7.4 | 9.9  | 12.6 | 11.3 | 4.3 | 2.0 | 1.1 | 2.8 | 3.6  | .7        |
| 歷年/08     | 7.8  | 7.2  | 8.7  | 5.2  | 5.7  | 6.8 | 6.7  | 7.4 | 8.2  | 10.6 | 10.4 | 4.9 | 2.4 | 1.0 | 2.6 | 4.0  | .5        |
| 歷年/09     | 9.1  | 9.4  | 15.5 | 10.6 | 9.2  | 7.9 | 7.1  | 6.6 | 4.7  | 4.9  | 4.5  | 3.0 | 1.3 | .7  | 2.0 | 3.0  | .4        |
| 歷年/10     | 15.0 | 21.0 | 22.5 | 13.0 | 5.8  | 4.4 | 3.6  | 1.8 | 2.8  | 3.1  | 1.6  | .6  | .3  | .3  | 1.1 | 2.5  | .5        |
| 歷年/11     | 11.1 | 16.4 | 22.0 | 16.7 | 6.6  | 4.8 | 4.2  | 2.6 | 2.7  | 3.6  | 2.6  | 1.3 | .7  | .5  | 1.3 | 2.2  | .9        |
| 歷年/冬      | 14.7 | 18.6 | 17.9 | 12.5 | 5.5  | 2.9 | 2.4  | 2.2 | 3.7  | 4.9  | 4.0  | 1.8 | .9  | .8  | 2.1 | 3.8  | 1.0       |
| 歷年/春      | 11.7 | 14.4 | 13.6 | 9.2  | 4.6  | 4.0 | 4.0  | 4.1 | 6.9  | 8.1  | 6.0  | 2.8 | 1.6 | 1.0 | 2.7 | 4.1  | 1.2       |
| 歷年/夏      | 8.8  | 8.2  | 9.8  | 5.4  | 4.4  | 4.5 | 6.1  | 6.5 | 8.6  | 11.6 | 10.8 | 4.6 | 2.1 | 1.1 | 2.8 | 4.0  | .8        |
| 歷年/秋      | 11.8 | 15.7 | 20.0 | 13.4 | 7.2  | 5.7 | 4.9  | 3.7 | 3.4  | 3.9  | 2.9  | 1.6 | .8  | .5  | 1.4 | 2.6  | .6        |
| 歷年/年      | 11.7 | 14.2 | 15.3 | 10.1 | 5.4  | 4.3 | 4.4  | 4.1 | 5.7  | 7.1  | 6.0  | 2.7 | 1.4 | .8  | 2.3 | 3.6  | .9        |

DISW5ZD.BAT

港灣技術研究中心

表1.2.4a 2014年基隆港域主要測站逐時風速平均值統計表

| 時<br>年、月 | 0時  | 1時  | 2時  | 3時  | 4時  | 5時  | 6時  | 7時  | 8時  | 9時  | 10時 | 11時 | 12時 | 13時 | 14時 | 15時 | 16時 | 17時 | 18時 | 19時 | 20時 | 21時 | 22時 | 23時 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2013/12  | 4.7 | 4.4 | 4.5 | 4.5 | 4.5 | 4.7 | 4.7 | 4.8 | 5.0 | 5.0 | 4.9 | 5.0 | 5.0 | 5.2 | 5.4 | 5.6 | 5.7 | 5.7 | 5.7 | 5.6 | 5.3 | 5.2 | 5.0 | 4.8 |
| 2014/01  | 3.9 | 4.1 | 4.2 | 4.2 | 4.2 | 4.3 | 4.4 | 4.5 | 4.2 | 4.4 | 4.6 | 4.8 | 5.1 | 5.2 | 5.6 | 5.5 | 5.3 | 5.1 | 4.8 | 4.4 | 4.4 | 4.3 | 4.2 | 4.3 |
| 2014/02  | 4.5 | 4.6 | 4.5 | 4.9 | 4.9 | 4.8 | 4.8 | 4.7 | 4.6 | 4.7 | 4.8 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.7 | 4.6 | 4.3 | 4.2 | 4.3 | 4.3 | 4.4 | 4.5 |
| 2014/03  | 3.6 | 3.6 | 3.6 | 3.8 | 3.8 | 3.8 | 3.9 | 4.0 | 3.8 | 4.1 | 4.3 | 4.4 | 4.3 | 4.3 | 4.4 | 4.4 | 4.3 | 4.3 | 3.9 | 3.7 | 3.6 | 3.7 | 3.8 | 3.7 |
| 2014/04  | 2.5 | 2.3 | 2.6 | 2.7 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.1 | 3.4 | 3.5 | 3.5 | 3.5 | 3.5 | 3.3 | 3.3 | 3.4 | 3.2 | 2.9 | 2.6 | 2.6 | 2.6 | 2.5 |
| 2014/05  | 1.7 | 2.1 | 2.3 | 2.0 | 1.8 | 1.9 | 1.6 | 1.9 | 2.2 | 2.1 | 2.4 | 2.6 | 2.7 | 3.0 | 2.7 | 2.7 | 2.5 | 2.6 | 2.1 | 2.2 | 1.9 | 1.7 | 1.6 | 1.5 |
| 2014/06  | 1.9 | 2.2 | 2.3 | 2.1 | 2.0 | 2.0 | 2.0 | 2.1 | 2.2 | 2.5 | 2.8 | 3.0 | 3.2 | 3.5 | 3.4 | 3.1 | 2.9 | 2.4 | 2.2 | 2.1 | 2.0 | 2.1 | 2.1 | 1.9 |
| 2014/07  | 2.9 | 2.7 | 2.8 | 2.8 | 2.9 | 2.7 | 2.8 | 3.0 | 3.3 | 3.6 | 3.9 | 4.3 | 4.4 | 4.4 | 4.6 | 4.3 | 3.8 | 3.4 | 3.2 | 2.9 | 2.9 | 2.9 | 2.8 | 2.9 |
| 2014/08  | 1.7 | 1.6 | 1.7 | 1.9 | 2.1 | 2.0 | 2.0 | 2.0 | 1.9 | 1.8 | 2.5 | 2.9 | 3.4 | 3.6 | 3.7 | 3.5 | 2.9 | 2.6 | 2.6 | 2.3 | 2.2 | 2.0 | 1.8 | 1.7 |
| 2014/09  | 2.1 | 2.1 | 2.1 | 2.0 | 2.0 | 2.3 | 2.0 | 2.3 | 2.3 | 2.5 | 3.3 | 3.6 | 3.9 | 3.9 | 3.9 | 3.6 | 3.3 | 2.9 | 2.7 | 2.9 | 2.6 | 2.2 | 2.3 | 2.3 |
| 2014/10  | 4.0 | 4.2 | 4.2 | 4.3 | 4.2 | 4.2 | 4.6 | 4.6 | 4.8 | 4.9 | 4.9 | 5.1 | 5.1 | 5.1 | 5.0 | 4.9 | 5.0 | 4.9 | 4.7 | 4.6 | 4.2 | 4.1 | 4.1 | 3.9 |
| 2014/11  | 4.0 | 3.7 | 3.6 | 3.4 | 3.6 | 3.6 | 3.8 | 3.8 | 3.9 | 3.9 | 4.0 | 4.0 | 4.3 | 4.9 | 4.7 | 4.9 | 4.7 | 4.6 | 4.4 | 4.1 | 4.1 | 4.2 | 4.0 | 3.9 |
| 2014/冬   | 4.3 | 4.4 | 4.4 | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.3 | 5.4 | 5.3 | 5.2 | 5.0 | 4.7 | 4.7 | 4.6 | 4.5 | 4.5 |
| 2014/春   | 2.6 | 2.7 | 2.9 | 2.8 | 2.7 | 2.8 | 2.8 | 2.9 | 2.9 | 3.1 | 3.4 | 3.5 | 3.5 | 3.6 | 3.6 | 3.5 | 3.4 | 3.4 | 3.1 | 2.9 | 2.7 | 2.7 | 2.7 | 2.6 |
| 2014/夏   | 2.2 | 2.2 | 2.3 | 2.2 | 2.3 | 2.2 | 2.3 | 2.4 | 2.5 | 2.7 | 3.0 | 3.4 | 3.7 | 3.8 | 3.9 | 3.6 | 3.2 | 2.8 | 2.7 | 2.4 | 2.4 | 2.3 | 2.2 | 2.2 |
| 2014/秋   | 3.4 | 3.3 | 3.3 | 3.2 | 3.2 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 4.1 | 4.2 | 4.4 | 4.6 | 4.5 | 4.4 | 4.3 | 4.2 | 3.9 | 3.9 | 3.7 | 3.5 | 3.5 | 3.4 |
| 2014/年   | 3.1 | 3.1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.3 | 3.4 | 3.4 | 3.5 | 3.8 | 4.0 | 4.1 | 4.3 | 4.3 | 4.2 | 4.0 | 3.9 | 3.6 | 3.5 | 3.4 | 3.3 | 3.2 | 3.2 |

DISW7Z1.BAT

單位: m/s

港灣技術研究中心

表1.2.4b 歷年基隆港域主要測站逐時風速平均值統計表

| 時<br>年、月 | 0時  | 1時  | 2時  | 3時  | 4時  | 5時  | 6時  | 7時  | 8時  | 9時  | 10時 | 11時 | 12時 | 13時 | 14時 | 15時 | 16時 | 17時 | 18時 | 19時 | 20時 | 21時 | 22時 | 23時 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 歷年/12    | 4.4 | 4.3 | 4.3 | 4.5 | 4.6 | 4.6 | 4.6 | 4.7 | 4.6 | 4.7 | 4.6 | 4.8 | 4.9 | 5.0 | 5.1 | 5.1 | 5.0 | 4.9 | 4.7 | 4.7 | 4.6 | 4.5 | 4.5 | 4.5 |
| 歷年/01    | 4.4 | 4.5 | 4.4 | 4.5 | 4.5 | 4.6 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.6 | 4.7 | 4.8 | 5.0 | 5.0 | 5.0 | 4.9 | 4.7 | 4.7 | 4.6 | 4.5 | 4.5 | 4.4 |
| 歷年/02    | 3.7 | 3.6 | 3.6 | 3.7 | 3.7 | 3.8 | 3.8 | 3.8 | 3.9 | 3.8 | 4.0 | 4.1 | 4.2 | 4.3 | 4.3 | 4.3 | 4.3 | 4.2 | 4.0 | 3.9 | 3.9 | 3.9 | 3.8 | 3.7 |
| 歷年/03    | 3.4 | 3.4 | 3.4 | 3.6 | 3.6 | 3.7 | 3.7 | 3.6 | 3.6 | 3.7 | 3.9 | 4.0 | 4.1 | 4.2 | 4.2 | 4.2 | 4.1 | 4.1 | 3.9 | 3.7 | 3.6 | 3.5 | 3.4 | 3.4 |
| 歷年/04    | 2.7 | 2.7 | 2.8 | 2.8 | 2.8 | 2.9 | 3.0 | 3.0 | 3.0 | 3.2 | 3.3 | 3.5 | 3.6 | 3.7 | 3.6 | 3.6 | 3.5 | 3.5 | 3.1 | 3.0 | 2.8 | 2.8 | 2.8 | 2.7 |
| 歷年/05    | 2.2 | 2.2 | 2.3 | 2.3 | 2.3 | 2.3 | 2.4 | 2.4 | 2.5 | 2.7 | 3.0 | 3.2 | 3.3 | 3.4 | 3.4 | 3.3 | 3.2 | 3.0 | 2.8 | 2.6 | 2.5 | 2.3 | 2.2 | 2.2 |
| 歷年/06    | 1.8 | 1.8 | 1.9 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.1 | 2.3 | 2.6 | 2.9 | 3.1 | 3.2 | 3.2 | 3.0 | 2.8 | 2.5 | 2.4 | 2.2 | 2.0 | 1.9 | 1.9 | 1.8 |
| 歷年/07    | 2.5 | 2.5 | 2.4 | 2.4 | 2.4 | 2.5 | 2.5 | 2.6 | 2.8 | 3.1 | 3.4 | 3.7 | 3.9 | 4.0 | 4.1 | 3.9 | 3.6 | 3.4 | 3.1 | 2.8 | 2.7 | 2.5 | 2.5 | 2.5 |
| 歷年/08    | 2.6 | 2.5 | 2.5 | 2.5 | 2.5 | 2.6 | 2.6 | 2.7 | 2.7 | 2.9 | 3.3 | 3.6 | 3.8 | 4.0 | 4.0 | 3.9 | 3.7 | 3.4 | 3.2 | 2.9 | 2.8 | 2.8 | 2.7 | 2.6 |
| 歷年/09    | 3.3 | 3.2 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.2 | 3.5 | 3.6 | 4.1 | 4.2 | 4.5 | 4.5 | 4.5 | 4.4 | 4.2 | 4.1 | 4.0 | 3.7 | 3.6 | 3.5 | 3.4 | 3.2 |
| 歷年/10    | 4.1 | 4.1 | 4.1 | 4.2 | 4.3 | 4.3 | 4.4 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.1 | 5.2 | 5.2 | 5.2 | 5.1 | 5.1 | 4.9 | 4.8 | 4.5 | 4.4 | 4.3 | 4.2 |
| 歷年/11    | 4.2 | 4.1 | 4.1 | 4.1 | 4.2 | 4.3 | 4.4 | 4.3 | 4.4 | 4.5 | 4.7 | 4.7 | 4.8 | 5.0 | 5.0 | 5.0 | 4.9 | 4.8 | 4.7 | 4.5 | 4.5 | 4.5 | 4.3 | 4.3 |
| 歷年/冬     | 4.2 | 4.2 | 4.2 | 4.2 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.8 | 4.8 | 4.7 | 4.5 | 4.4 | 4.4 | 4.3 | 4.3 | 4.2 |
| 歷年/春     | 2.8 | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 3.0 | 3.0 | 3.0 | 3.2 | 3.4 | 3.6 | 3.7 | 3.8 | 3.8 | 3.7 | 3.6 | 3.5 | 3.3 | 3.1 | 3.0 | 2.9 | 2.8 | 2.7 |
| 歷年/夏     | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.4 | 2.4 | 2.5 | 2.8 | 3.1 | 3.4 | 3.6 | 3.7 | 3.8 | 3.6 | 3.4 | 3.1 | 2.9 | 2.6 | 2.5 | 2.4 | 2.4 | 2.3 |
| 歷年/秋     | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 3.9 | 4.0 | 4.0 | 4.1 | 4.3 | 4.5 | 4.6 | 4.8 | 4.9 | 4.9 | 4.9 | 4.7 | 4.7 | 4.5 | 4.3 | 4.2 | 4.1 | 4.0 | 3.9 |
| 歷年/年     | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.4 | 3.4 | 3.4 | 3.5 | 3.6 | 3.9 | 4.0 | 4.2 | 4.3 | 4.3 | 4.2 | 4.1 | 4.0 | 3.8 | 3.6 | 3.5 | 3.4 | 3.4 | 3.3 |

DISW7Z1.BAT

單位: m/s

港灣技術研究中心

表1.2.4c 2014年基隆港域主要測站逐時風速最大值統計表

| 時<br>年、月 | 0時   | 1時   | 2時   | 3時   | 4時   | 5時   | 6時   | 7時   | 8時   | 9時   | 10時  | 11時  | 12時  | 13時  | 14時  | 15時  | 16時  | 17時  | 18時  | 19時  | 20時  | 21時  | 22時  | 23時  |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2013/12  | 11.4 | 11.1 | 11.3 | 11.3 | 11.4 | 11.1 | 10.9 | 11.3 | 10.4 | 10.2 | 10.4 | 9.8  | 11.1 | 11.8 | 12.1 | 13.3 | 12.8 | 13.8 | 13.4 | 12.9 | 12.5 | 12.0 | 11.9 | 11.5 |
| 2014/01  | 11.3 | 10.8 | 9.9  | 10.5 | 11.2 | 11.0 | 10.8 | 10.4 | 11.7 | 12.0 | 11.4 | 11.0 | 10.8 | 10.5 | 10.4 | 10.4 | 10.2 | 10.8 | 10.6 | 12.2 | 11.3 | 10.8 | 10.5 | 10.2 |
| 2014/02  | 10.8 | 11.1 | 11.7 | 11.7 | 11.6 | 12.5 | 12.3 | 12.6 | 12.1 | 12.2 | 12.3 | 12.6 | 11.9 | 11.6 | 11.3 | 10.7 | 11.2 | 10.3 | 10.8 | 11.5 | 10.3 | 11.0 | 11.9 | 12.2 |
| 2014/03  | 10.1 | 9.8  | 8.2  | 8.9  | 9.7  | 10.4 | 9.9  | 8.8  | 8.0  | 8.0  | 8.3  | 8.8  | 8.8  | 8.5  | 8.9  | 8.8  | 9.3  | 10.3 | 9.1  | 9.5  | 9.7  | 9.9  | 11.1 | 10.8 |
| 2014/04  | 5.8  | 6.2  | 7.1  | 7.2  | 6.3  | 6.9  | 6.9  | 6.7  | 6.8  | 6.4  | 6.6  | 6.7  | 6.6  | 7.3  | 6.8  | 7.4  | 7.4  | 7.2  | 6.6  | 6.7  | 6.8  | 6.0  | 5.7  | 5.8  |
| 2014/05  | 4.9  | 8.5  | 12.8 | 11.9 | 9.0  | 6.9  | 4.5  | 7.3  | 8.6  | 8.7  | 7.7  | 6.3  | 7.9  | 7.6  | 7.3  | 8.4  | 8.9  | 9.2  | 7.5  | 8.3  | 7.3  | 8.3  | 7.6  | 6.0  |
| 2014/06  | 6.8  | 6.5  | 8.3  | 9.4  | 9.4  | 9.1  | 9.5  | 9.1  | 8.5  | 9.1  | 8.6  | 7.4  | 6.7  | 7.1  | 6.7  | 6.8  | 8.4  | 7.6  | 6.8  | 6.1  | 6.6  | 6.6  | 6.5  | 6.6  |
| 2014/07  | 9.3  | 9.9  | 11.6 | 11.5 | 13.3 | 14.0 | 14.3 | 14.5 | 15.1 | 16.0 | 15.1 | 15.9 | 16.4 | 13.8 | 12.5 | 11.6 | 8.6  | 8.3  | 7.4  | 7.3  | 9.4  | 8.7  | 6.8  | 8.5  |
| 2014/08  | 4.0  | 3.5  | 3.4  | 5.1  | 5.9  | 5.4  | 5.5  | 4.9  | 4.6  | 3.2  | 4.5  | 5.2  | 5.3  | 6.3  | 6.9  | 6.8  | 5.9  | 5.8  | 5.7  | 5.3  | 5.4  | 4.7  | 4.2  | 4.2  |
| 2014/09  | 5.7  | 7.1  | 7.1  | 8.1  | 5.0  | 5.9  | 5.1  | 13.2 | 10.7 | 9.3  | 9.8  | 9.0  | 10.9 | 10.6 | 11.3 | 8.7  | 11.1 | 10.3 | 9.6  | 13.2 | 9.7  | 6.5  | 6.4  | 10.5 |
| 2014/10  | 9.5  | 9.6  | 9.6  | 10.0 | 9.4  | 8.5  | 8.4  | 9.3  | 9.3  | 8.7  | 9.0  | 9.7  | 9.6  | 9.4  | 8.8  | 8.7  | 9.4  | 9.7  | 10.8 | 9.8  | 9.4  | 9.4  | 9.9  | 10.2 |
| 2014/11  | 11.4 | 11.3 | 10.7 | 11.2 | 11.8 | 12.9 | 11.7 | 11.2 | 11.6 | 12.3 | 11.2 | 10.7 | 10.6 | 12.0 | 12.7 | 13.4 | 13.6 | 14.5 | 13.8 | 13.9 | 13.4 | 13.1 | 12.8 | 13.0 |
| 2014/冬   | 11.4 | 11.1 | 11.7 | 11.7 | 11.6 | 12.5 | 12.3 | 12.6 | 12.1 | 12.2 | 12.3 | 12.6 | 11.9 | 11.8 | 12.1 | 13.3 | 12.8 | 13.8 | 13.4 | 12.9 | 12.5 | 12.0 | 11.9 | 12.2 |
| 2014/春   | 10.1 | 9.8  | 12.8 | 11.9 | 9.7  | 10.4 | 9.9  | 8.8  | 8.6  | 8.7  | 8.3  | 8.8  | 8.8  | 8.5  | 8.9  | 8.8  | 9.3  | 10.3 | 9.1  | 9.5  | 9.7  | 9.9  | 11.1 | 10.8 |
| 2014/夏   | 9.3  | 9.9  | 11.6 | 11.5 | 13.3 | 14.0 | 14.3 | 14.5 | 15.1 | 16.0 | 15.1 | 15.9 | 16.4 | 13.8 | 12.5 | 11.6 | 8.6  | 8.3  | 7.4  | 7.3  | 9.4  | 8.7  | 6.8  | 8.5  |
| 2014/秋   | 11.4 | 11.3 | 10.7 | 11.2 | 11.8 | 12.9 | 11.7 | 13.2 | 11.6 | 12.3 | 11.2 | 10.7 | 10.9 | 12.0 | 12.7 | 13.4 | 13.6 | 14.5 | 13.8 | 13.9 | 13.4 | 13.1 | 12.8 | 13.0 |
| 2014/年   | 11.4 | 11.3 | 12.8 | 11.9 | 13.3 | 14.0 | 14.3 | 14.5 | 15.1 | 16.0 | 15.1 | 15.9 | 16.4 | 13.8 | 12.7 | 13.4 | 13.6 | 14.5 | 13.8 | 13.9 | 13.4 | 13.1 | 12.8 | 13.0 |

DISW7Z2.BAT

單位: m/s

港灣技術研究中心

表1.2.4d 歷年基隆港域主要測站逐時風速最大值統計表

| 時<br>年、月 | 0時   | 1時   | 2時   | 3時   | 4時   | 5時   | 6時   | 7時   | 8時   | 9時   | 10時  | 11時  | 12時  | 13時  | 14時  | 15時  | 16時  | 17時  | 18時  | 19時  | 20時  | 21時  | 22時  | 23時  |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 歷年/12    | 14.8 | 14.6 | 15.0 | 15.5 | 15.2 | 14.0 | 13.8 | 13.6 | 13.2 | 13.6 | 13.1 | 12.6 | 12.8 | 12.4 | 12.9 | 13.4 | 13.0 | 13.8 | 13.4 | 12.9 | 12.5 | 12.2 | 12.2 | 13.1 |
| 歷年/01    | 12.4 | 12.4 | 11.6 | 11.6 | 15.4 | 13.0 | 13.2 | 12.0 | 12.6 | 12.0 | 11.9 | 11.7 | 12.8 | 12.5 | 13.6 | 12.0 | 13.2 | 14.5 | 14.1 | 13.8 | 14.2 | 13.4 | 12.6 | 12.2 |
| 歷年/02    | 12.0 | 11.2 | 11.7 | 11.7 | 11.8 | 12.5 | 12.3 | 12.6 | 12.2 | 12.2 | 12.3 | 13.0 | 12.9 | 12.7 | 11.4 | 11.0 | 11.5 | 11.3 | 12.3 | 12.6 | 12.4 | 12.0 | 11.9 | 12.7 |
| 歷年/03    | 11.8 | 12.9 | 10.5 | 11.8 | 11.4 | 13.3 | 13.5 | 11.5 | 10.9 | 11.4 | 10.7 | 10.3 | 12.2 | 13.4 | 11.7 | 11.3 | 13.3 | 12.5 | 13.9 | 12.6 | 12.9 | 13.7 | 12.5 | 13.6 |
| 歷年/04    | 10.5 | 10.2 | 10.2 | 10.4 | 10.3 | 10.5 | 12.0 | 11.0 | 10.3 | 11.1 | 9.4  | 10.5 | 10.3 | 9.4  | 9.9  | 11.0 | 10.5 | 9.9  | 10.0 | 11.2 | 11.6 | 13.4 | 10.4 | 9.7  |
| 歷年/05    | 8.5  | 8.5  | 12.8 | 11.9 | 9.1  | 10.4 | 11.1 | 12.5 | 14.1 | 15.1 | 15.5 | 14.7 | 12.5 | 9.8  | 9.8  | 10.6 | 11.7 | 11.6 | 11.4 | 12.3 | 10.5 | 8.9  | 9.0  | 8.4  |
| 歷年/06    | 7.6  | 8.1  | 9.3  | 9.4  | 9.4  | 9.2  | 10.2 | 9.2  | 9.1  | 9.3  | 8.6  | 10.2 | 9.7  | 8.7  | 10.9 | 9.3  | 9.0  | 9.3  | 9.3  | 9.2  | 13.3 | 10.7 | 8.9  | 8.7  |
| 歷年/07    | 23.6 | 23.7 | 27.3 | 24.6 | 20.8 | 20.0 | 20.1 | 18.3 | 18.6 | 19.3 | 15.1 | 15.9 | 16.4 | 15.6 | 14.6 | 12.4 | 15.9 | 18.1 | 15.6 | 17.1 | 17.1 | 18.5 | 20.5 | 21.4 |
| 歷年/08    | 18.6 | 16.7 | 16.9 | 17.1 | 17.7 | 19.1 | 18.9 | 17.2 | 16.3 | 15.7 | 15.1 | 14.8 | 14.1 | 13.7 | 15.2 | 13.3 | 14.3 | 16.3 | 15.8 | 18.7 | 20.1 | 19.2 | 19.1 | 18.1 |
| 歷年/09    | 18.2 | 16.8 | 15.3 | 16.2 | 22.1 | 21.8 | 16.1 | 17.1 | 17.9 | 22.7 | 26.1 | 21.6 | 18.6 | 17.7 | 19.5 | 19.8 | 19.3 | 15.5 | 14.6 | 15.7 | 15.4 | 15.1 | 14.0 | 14.3 |
| 歷年/10    | 14.6 | 13.6 | 13.7 | 14.5 | 15.4 | 16.6 | 16.2 | 16.4 | 17.8 | 19.1 | 20.4 | 20.4 | 25.4 | 26.9 | 23.1 | 21.8 | 14.2 | 14.6 | 14.9 | 14.0 | 14.3 | 13.3 | 13.3 | 14.9 |
| 歷年/11    | 14.1 | 13.9 | 13.2 | 13.2 | 12.4 | 13.9 | 13.8 | 12.1 | 12.7 | 12.8 | 14.5 | 13.3 | 13.5 | 14.5 | 15.2 | 14.8 | 14.0 | 14.5 | 13.9 | 14.2 | 13.7 | 14.3 | 14.3 | 14.2 |
| 歷年/冬     | 14.8 | 14.6 | 15.0 | 15.5 | 15.4 | 14.0 | 13.8 | 13.6 | 13.2 | 13.6 | 13.1 | 13.0 | 12.9 | 12.7 | 13.6 | 13.4 | 13.2 | 14.5 | 14.1 | 13.8 | 14.2 | 13.4 | 12.6 | 13.1 |
| 歷年/春     | 11.8 | 12.9 | 12.8 | 11.9 | 11.4 | 13.3 | 13.5 | 12.5 | 14.1 | 15.1 | 15.5 | 14.7 | 12.5 | 13.4 | 11.7 | 11.3 | 13.3 | 12.5 | 13.9 | 12.6 | 12.9 | 13.7 | 12.5 | 13.6 |
| 歷年/夏     | 23.6 | 23.7 | 27.3 | 24.6 | 20.8 | 20.0 | 20.1 | 18.3 | 18.6 | 19.3 | 15.1 | 15.9 | 16.4 | 15.6 | 15.2 | 13.3 | 15.9 | 18.1 | 15.8 | 18.7 | 20.1 | 19.2 | 20.5 | 21.4 |
| 歷年/秋     | 18.2 | 16.8 | 15.3 | 16.2 | 22.1 | 21.8 | 16.2 | 17.1 | 17.9 | 22.7 | 26.1 | 21.6 | 25.4 | 26.9 | 23.1 | 21.8 | 19.3 | 15.5 | 14.9 | 15.7 | 15.4 | 15.1 | 14.3 | 14.9 |
| 歷年/年     | 23.6 | 23.7 | 27.3 | 24.6 | 22.1 | 21.8 | 20.1 | 18.3 | 18.6 | 22.7 | 26.1 | 21.6 | 25.4 | 26.9 | 23.1 | 21.8 | 19.3 | 18.1 | 15.8 | 18.7 | 20.1 | 19.2 | 20.5 | 21.4 |

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單位: m/s

港灣技術研究中心



表1.2.5a 2014年基隆港域主要測站每日風速平均值統計表

| 日<br>年、月 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10   | 11  | 12  | 13  | 14   | 15  | 16  | 17   | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 27  | 29  | 28  | 31  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2013/12  | 3.5 | 2.5 | 2.1 | 2.6 | 2.2 | 3.0 | 2.2 | 2.5 | 4.0 | 5.9  | 6.1 | 2.1 | 4.9 | 3.5  | 4.5 | 4.5 | 7.6  | 9.5 | 9.6 | 6.2 | 7.3 | 5.3 | 5.7 | 7.5 | 5.6 | 9.4 | 8.9 | 5.7 | 5.7 | 3.2 | 2.8 |
| 2014/01  | 2.1 | 2.0 | 2.1 | 5.2 | 4.6 | 2.7 | 2.0 | 4.8 | 8.3 | 4.4  | 3.0 | 5.3 | 8.0 | 10.1 | 8.0 | 3.8 | 3.6  | 7.7 | 4.7 | 5.3 | 9.6 | 6.4 | 3.1 | 2.7 | 1.9 | 7.2 | 4.6 | 2.0 | 1.7 | 1.9 | 3.8 |
| 2014/02  | 1.9 | 1.5 | 2.5 | 7.1 | 3.7 | 2.5 | 2.8 | 7.3 | 8.9 | 11.3 | 6.8 | 5.1 | 8.1 | 9.2  | 4.5 | 2.5 | 1.8  | 3.7 | 8.6 | 7.4 | 4.3 | 2.0 | 3.1 | 4.1 | 2.1 | 1.5 | 3.2 | 2.7 | .0  | .0  | .0  |
| 2014/03  | 1.9 | 6.4 | 4.8 | 2.9 | 6.6 | 6.0 | 6.2 | 6.5 | 7.6 | 4.1  | 3.8 | 2.4 | 5.8 | 5.0  | 4.5 | 1.6 | 1.6  | 2.0 | 1.9 | 6.4 | 7.3 | 3.4 | 3.8 | 4.8 | 2.1 | 1.5 | 2.2 | 2.7 | 2.0 | 2.9 | 2.3 |
| 2014/04  | 4.3 | 2.1 | 3.1 | 4.3 | 2.4 | 3.7 | 1.5 | 1.6 | 2.8 | 3.2  | 3.3 | 2.1 | 3.7 | 6.2  | 4.1 | 2.3 | 1.9  | 1.6 | 1.6 | 2.8 | 2.7 | 4.1 | 4.2 | 2.7 | 1.3 | 2.4 | 2.6 | 3.3 | 3.7 | 2.7 | .0  |
| 2014/05  | 1.1 | 1.8 | 3.6 | 2.8 | 7.8 | 3.1 | 1.9 | 1.9 | 1.7 | 1.5  | 1.8 | 1.7 | 1.7 | 2.6  | 2.9 | 1.9 | 1.7  | 1.5 | 1.2 | 2.3 | 2.1 | 1.8 | 2.4 | 2.4 | 1.7 | 2.3 | 1.3 | 1.6 | 1.4 | 1.4 | 1.6 |
| 2014/06  | 1.6 | 1.7 | 2.1 | 1.7 | 1.7 | 1.6 | 1.4 | 2.4 | 5.6 | 5.2  | 7.6 | 4.3 | 3.1 | 2.7  | 2.1 | 1.3 | 2.4  | 2.9 | 1.5 | 1.4 | 1.5 | 1.6 | 2.1 | 2.4 | 1.6 | 2.0 | 1.9 | 1.4 | 1.7 | 2.2 | .0  |
| 2014/07  | 2.5 | 2.3 | 2.0 | 2.3 | 2.4 | 2.6 | 3.4 | 6.8 | 2.6 | 1.5  | 2.2 | 2.1 | 2.2 | 2.0  | 2.7 | 5.7 | 8.1  | 5.6 | 2.6 | 3.6 | 3.3 | 4.2 | 9.8 | 1.6 | 2.2 | 2.7 | 2.8 | 2.7 | 2.7 | 2.6 | 3.8 |
| 2014/08  | 3.8 | 3.1 | 2.0 | 2.5 | 1.6 | 2.0 | 2.6 | 2.3 | 2.1 | 1.9  | 2.3 | 2.1 | 2.1 | 2.2  | 2.3 | 2.3 | 2.3  | 2.1 | 1.9 | 1.9 | 1.9 | 3.0 | 2.3 | 2.1 | 2.1 | 3.4 | 2.4 | 2.4 | 3.2 | 2.5 | 1.7 |
| 2014/09  | 2.4 | 2.5 | 2.3 | 2.5 | 2.4 | 2.9 | 1.9 | 1.9 | 2.0 | 2.1  | 2.8 | 1.5 | 2.2 | 3.1  | 6.8 | 2.9 | 2.2  | 2.5 | 3.5 | 4.8 | 7.2 | 2.5 | 1.8 | 1.2 | 2.7 | 2.2 | 2.0 | 1.8 | 1.7 | 2.9 | .0  |
| 2014/10  | 5.6 | 3.6 | 6.6 | 8.6 | 8.7 | 7.4 | 6.0 | 5.1 | 5.6 | 6.8  | 7.8 | 4.7 | 4.6 | 5.0  | 4.0 | 3.8 | 2.8  | 2.8 | 2.3 | 2.8 | 1.8 | 5.4 | 4.4 | 1.9 | 1.6 | 1.9 | 4.8 | 3.8 | 4.1 | 4.6 | 2.5 |
| 2014/11  | 3.1 | 8.8 | 7.7 | 4.7 | 2.2 | 2.8 | 5.2 | 2.0 | 7.0 | 4.3  | 2.7 | 5.2 | 6.8 | 5.0  | 3.2 | 2.7 | 12.2 | 8.4 | 3.8 | 2.3 | 1.9 | 2.3 | 2.9 | 2.0 | 2.2 | 4.4 | 1.4 | 1.7 | 2.4 | 1.6 | .0  |
| 2014/冬   | 2.5 | 2.0 | 2.2 | 5.0 | 3.5 | 2.7 | 2.3 | 4.9 | 7.0 | 7.2  | 5.3 | 4.2 | 7.0 | 7.6  | 5.6 | 3.6 | 4.4  | 6.9 | 7.6 | 6.3 | 7.1 | 4.6 | 3.9 | 4.8 | 3.2 | 6.0 | 5.6 | 3.5 | 3.7 | 2.6 | 3.3 |
| 2014/春   | 2.4 | 3.4 | 3.8 | 3.3 | 5.6 | 4.3 | 3.2 | 3.3 | 4.0 | 2.9  | 3.0 | 2.1 | 3.7 | 4.6  | 3.8 | 1.9 | 1.7  | 1.7 | 1.6 | 3.8 | 4.0 | 3.1 | 3.5 | 3.3 | 1.7 | 2.1 | 2.0 | 2.5 | 2.4 | 2.3 | 2.0 |
| 2014/夏   | 2.6 | 2.4 | 2.0 | 2.1 | 1.9 | 2.1 | 2.5 | 3.8 | 3.4 | 2.9  | 4.0 | 2.8 | 2.5 | 2.3  | 2.3 | 3.1 | 4.2  | 3.5 | 2.0 | 2.3 | 2.2 | 3.0 | 4.7 | 2.0 | 2.0 | 2.7 | 2.4 | 2.2 | 2.6 | 2.4 | 2.8 |
| 2014/秋   | 3.7 | 5.0 | 5.5 | 5.3 | 4.4 | 4.3 | 4.4 | 3.0 | 4.9 | 4.4  | 4.4 | 3.8 | 4.6 | 4.4  | 4.7 | 3.2 | 5.7  | 4.6 | 3.2 | 3.3 | 3.7 | 3.4 | 3.0 | 1.7 | 2.2 | 2.8 | 2.7 | 2.4 | 2.7 | 3.1 | 2.5 |
| 2014/年   | 2.8 | 3.2 | 3.4 | 3.9 | 3.9 | 3.4 | 3.1 | 3.8 | 4.8 | 4.4  | 4.2 | 3.2 | 4.4 | 4.7  | 4.1 | 2.9 | 4.0  | 4.2 | 3.6 | 3.9 | 4.2 | 3.5 | 3.8 | 2.9 | 2.3 | 3.4 | 3.2 | 2.6 | 2.8 | 2.6 | 2.6 |

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單位: m/s

港灣技術研究中心

表1.2.5b 歷年基隆港域主要測站每日風速平均值統計表

| 日<br>年、月 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 27  | 29  | 28  | 31  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 歷年/12    | 4.8 | 4.4 | 5.3 | 4.2 | 4.7 | 4.0 | 4.4 | 4.7 | 4.7 | 4.1 | 4.2 | 4.3 | 4.7 | 5.1 | 4.9 | 4.9 | 5.1 | 5.2 | 4.7 | 4.0 | 4.4 | 5.3 | 4.5 | 4.4 | 4.9 | 5.7 | 4.4 | 4.2 | 4.4 | 5.0 | 5.6 |
| 歷年/01    | 4.7 | 4.0 | 4.4 | 4.6 | 5.1 | 5.0 | 5.2 | 5.1 | 5.1 | 4.6 | 4.3 | 5.3 | 5.2 | 4.9 | 5.0 | 4.5 | 4.5 | 3.6 | 4.0 | 3.8 | 5.3 | 4.9 | 5.7 | 5.2 | 4.7 | 4.6 | 4.9 | 3.6 | 3.6 | 4.2 | 4.1 |
| 歷年/02    | 3.8 | 4.0 | 4.1 | 3.8 | 3.4 | 3.5 | 4.2 | 4.6 | 4.2 | 4.5 | 4.4 | 4.8 | 3.8 | 3.8 | 3.8 | 4.0 | 4.2 | 4.3 | 5.3 | 4.9 | 3.3 | 2.8 | 3.2 | 3.4 | 3.1 | 4.2 | 4.1 | 3.2 | 2.0 | .0  | .0  |
| 歷年/03    | 3.9 | 4.1 | 4.7 | 3.6 | 3.4 | 4.0 | 4.7 | 3.8 | 4.4 | 3.5 | 3.6 | 3.8 | 4.2 | 4.1 | 2.9 | 3.0 | 2.9 | 3.4 | 3.3 | 3.5 | 3.3 | 3.4 | 4.0 | 4.3 | 4.3 | 3.9 | 3.6 | 3.8 | 3.8 | 3.7 | 3.4 |
| 歷年/04    | 3.1 | 3.9 | 3.7 | 3.6 | 3.2 | 3.2 | 3.2 | 3.2 | 3.1 | 3.1 | 2.6 | 2.6 | 3.2 | 3.5 | 3.3 | 2.9 | 2.8 | 2.5 | 2.8 | 2.9 | 2.9 | 2.9 | 4.2 | 3.2 | 2.9 | 2.9 | 3.0 | 3.0 | 2.8 | 2.7 | .0  |
| 歷年/05    | 2.9 | 2.5 | 2.6 | 2.7 | 2.8 | 2.3 | 2.4 | 2.8 | 2.9 | 3.6 | 3.2 | 2.4 | 2.7 | 2.9 | 2.7 | 2.6 | 2.5 | 2.6 | 2.6 | 2.6 | 2.4 | 2.1 | 2.3 | 2.8 | 2.8 | 2.4 | 2.7 | 3.0 | 3.1 | 2.4 | 2.5 |
| 歷年/06    | 2.4 | 2.8 | 2.7 | 2.7 | 2.8 | 2.4 | 2.1 | 2.2 | 2.5 | 2.3 | 2.7 | 2.2 | 2.1 | 2.2 | 2.0 | 2.1 | 2.2 | 2.2 | 2.0 | 2.4 | 2.1 | 2.1 | 2.2 | 2.3 | 1.9 | 2.0 | 2.3 | 2.4 | 2.5 | 2.4 | .0  |
| 歷年/07    | 2.4 | 2.4 | 2.2 | 2.6 | 2.2 | 2.2 | 2.2 | 2.8 | 2.4 | 2.5 | 2.7 | 3.5 | 4.1 | 2.5 | 2.8 | 3.2 | 4.0 | 4.4 | 2.8 | 2.7 | 3.2 | 3.5 | 4.0 | 2.8 | 3.0 | 2.9 | 3.2 | 4.0 | 3.2 | 2.8 | 3.3 |
| 歷年/08    | 4.0 | 3.6 | 3.0 | 3.3 | 3.6 | 3.3 | 3.8 | 3.7 | 2.9 | 2.8 | 2.9 | 3.6 | 3.2 | 2.2 | 2.3 | 2.7 | 2.6 | 3.3 | 3.0 | 2.7 | 3.1 | 2.4 | 2.9 | 3.4 | 2.7 | 2.9 | 2.8 | 2.8 | 3.0 | 2.7 | 3.0 |
| 歷年/09    | 4.2 | 3.5 | 3.1 | 2.8 | 2.7 | 2.7 | 2.4 | 2.9 | 3.3 | 3.9 | 4.2 | 3.3 | 4.1 | 3.7 | 4.2 | 4.0 | 3.4 | 3.9 | 3.9 | 3.9 | 4.0 | 3.7 | 4.3 | 4.0 | 3.5 | 4.1 | 4.3 | 5.2 | 3.7 | 3.7 | .0  |
| 歷年/10    | 4.1 | 5.3 | 5.4 | 6.1 | 5.9 | 6.2 | 4.1 | 3.9 | 4.3 | 3.5 | 3.9 | 3.9 | 3.3 | 4.6 | 5.4 | 4.6 | 4.4 | 5.1 | 4.0 | 3.9 | 4.5 | 4.6 | 4.8 | 4.6 | 5.1 | 5.8 | 5.0 | 3.5 | 4.2 | 4.5 | 4.4 |
| 歷年/11    | 4.5 | 5.0 | 4.9 | 4.3 | 2.9 | 2.9 | 3.5 | 3.4 | 5.1 | 4.5 | 5.3 | 4.6 | 3.9 | 3.9 | 4.7 | 4.7 | 6.1 | 5.5 | 4.6 | 5.0 | 4.8 | 4.1 | 4.1 | 4.3 | 4.3 | 4.7 | 5.2 | 5.1 | 4.9 | 4.4 | .0  |
| 歷年/冬     | 4.4 | 4.1 | 4.6 | 4.2 | 4.4 | 4.2 | 4.6 | 4.8 | 4.7 | 4.4 | 4.3 | 4.8 | 4.5 | 4.6 | 4.5 | 4.5 | 4.6 | 4.4 | 4.7 | 4.2 | 4.3 | 4.4 | 4.4 | 4.3 | 4.2 | 4.8 | 4.5 | 3.7 | 3.8 | 4.6 | 4.8 |
| 歷年/春     | 3.3 | 3.5 | 3.7 | 3.3 | 3.1 | 3.2 | 3.5 | 3.3 | 3.5 | 3.4 | 3.1 | 2.9 | 3.4 | 3.5 | 3.0 | 2.8 | 2.7 | 2.8 | 2.9 | 3.0 | 2.9 | 2.8 | 3.5 | 3.5 | 3.3 | 3.0 | 3.1 | 3.2 | 3.3 | 2.9 | 3.0 |
| 歷年/夏     | 2.9 | 2.9 | 2.6 | 2.9 | 2.9 | 2.7 | 2.7 | 2.9 | 2.6 | 2.5 | 2.8 | 3.1 | 3.1 | 2.3 | 2.3 | 2.7 | 2.9 | 3.3 | 2.6 | 2.6 | 2.8 | 2.7 | 3.0 | 2.8 | 2.6 | 2.6 | 2.8 | 3.1 | 2.9 | 2.6 | 3.1 |
| 歷年/秋     | 4.3 | 4.6 | 4.5 | 4.4 | 3.9 | 3.9 | 3.3 | 3.4 | 4.2 | 4.0 | 4.5 | 3.9 | 3.8 | 4.1 | 4.8 | 4.4 | 4.6 | 4.8 | 4.2 | 4.3 | 4.5 | 4.1 | 4.4 | 4.3 | 4.3 | 4.9 | 4.8 | 4.6 | 4.3 | 4.2 | 4.4 |
| 歷年/年     | 3.7 | 3.8 | 3.8 | 3.7 | 3.6 | 3.5 | 3.5 | 3.6 | 3.7 | 3.6 | 3.7 | 3.7 | 3.7 | 3.6 | 3.6 | 3.6 | 3.7 | 3.8 | 3.6 | 3.5 | 3.6 | 3.5 | 3.8 | 3.7 | 3.6 | 3.8 | 3.8 | 3.6 | 3.5 | 3.5 | 3.7 |

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單位: m/s

港灣技術研究中心

表1.2.5c 2014年基隆港域主要測站每日風速最大值統計表

| 日<br>年、月 | 1   | 2    | 3    | 4    | 5    | 6   | 7   | 8   | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22  | 23   | 24  | 25  | 26   | 27   | 27  | 29  | 28  | 31  |
|----------|-----|------|------|------|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|-----|-----|------|------|-----|-----|-----|-----|
| 2013/12  | 5.5 | 4.1  | 4.3  | 7.9  | 3.5  | 7.3 | 4.6 | 6.2 | 8.8  | 8.9  | 8.0  | 3.9  | 7.7  | 7.7  | 8.5  | 7.3  | 10.2 | 13.8 | 11.4 | 8.2  | 9.5  | 7.5 | 8.5  | 9.0 | 8.5 | 10.8 | 11.4 | 8.4 | 7.8 | 5.3 | 3.7 |
| 2014/01  | 4.3 | 4.3  | 5.1  | 7.5  | 6.1  | 4.0 | 4.3 | 9.8 | 10.3 | 7.2  | 6.6  | 10.6 | 10.0 | 12.2 | 11.3 | 6.2  | 5.4  | 9.9  | 8.0  | 11.0 | 10.6 | 9.9 | 4.5  | 5.7 | 3.9 | 10.8 | 8.4  | 3.4 | 3.8 | 3.3 | 8.3 |
| 2014/02  | 5.5 | 2.3  | 7.4  | 9.9  | 7.4  | 4.5 | 4.0 | 9.3 | 12.2 | 12.6 | 10.5 | 8.0  | 10.3 | 10.6 | 7.7  | 5.5  | 5.0  | 8.0  | 9.8  | 8.9  | 6.6  | 3.8 | 6.8  | 9.1 | 4.5 | 4.2  | 5.6  | 5.7 | .0  | .0  | .0  |
| 2014/03  | 4.3 | 8.9  | 7.6  | 5.8  | 8.4  | 8.7 | 7.6 | 8.8 | 8.8  | 5.7  | 6.1  | 5.2  | 8.8  | 6.6  | 7.6  | 2.7  | 2.8  | 4.0  | 3.2  | 11.1 | 10.4 | 5.7 | 6.4  | 6.9 | 3.8 | 2.6  | 4.7  | 5.5 | 5.9 | 5.1 | 3.8 |
| 2014/04  | 7.1 | 3.8  | 5.7  | 5.8  | 4.5  | 5.6 | 3.7 | 3.0 | 4.5  | 6.0  | 5.7  | 3.4  | 6.8  | 7.3  | 5.9  | 4.6  | 3.6  | 3.3  | 3.5  | 4.7  | 4.1  | 7.4 | 6.7  | 7.2 | 2.3 | 4.8  | 6.0  | 4.9 | 5.4 | 4.3 | .0  |
| 2014/05  | 3.1 | 3.2  | 6.0  | 4.9  | 12.8 | 7.7 | 3.8 | 3.8 | 2.9  | 2.7  | 2.9  | 2.9  | 3.2  | 6.8  | 6.4  | 3.2  | 4.6  | 3.1  | 2.0  | 4.1  | 4.3  | 3.5 | 5.9  | 5.2 | 2.8 | 4.9  | 2.9  | 3.7 | 2.5 | 3.0 | 3.6 |
| 2014/06  | 3.1 | 3.9  | 7.3  | 3.6  | 5.9  | 3.8 | 2.2 | 5.5 | 6.7  | 7.4  | 9.5  | 6.1  | 4.9  | 6.2  | 5.4  | 2.0  | 4.9  | 5.9  | 2.7  | 3.0  | 2.7  | 4.0 | 5.2  | 6.0 | 3.6 | 4.7  | 3.8  | 2.2 | 3.5 | 3.4 | .0  |
| 2014/07  | 4.1 | 4.7  | 3.6  | 5.0  | 5.5  | 7.1 | 7.6 | 9.6 | 4.7  | 3.6  | 5.1  | 4.0  | 4.7  | 3.6  | 5.8  | 9.0  | 9.9  | 9.7  | 4.7  | 5.3  | 4.2  | 8.2 | 16.4 | 2.7 | 3.8 | 4.6  | 5.3  | 5.3 | 4.8 | 4.4 | 6.3 |
| 2014/08  | 5.9 | 5.5  | 5.5  | 4.0  | 4.0  | 5.5 | 5.9 | 5.2 | 4.3  | 3.1  | 4.5  | 3.7  | 4.6  | 4.3  | 5.1  | 3.4  | 4.7  | 4.3  | 3.6  | 4.6  | 3.6  | 5.4 | 3.7  | 3.3 | 3.7 | 6.9  | 4.8  | 4.3 | 5.7 | 5.0 | 2.8 |
| 2014/09  | 4.2 | 3.9  | 3.8  | 4.7  | 4.6  | 4.0 | 4.1 | 3.9 | 3.8  | 2.9  | 5.6  | 2.7  | 3.4  | 6.0  | 13.2 | 7.1  | 3.9  | 4.8  | 4.7  | 7.1  | 13.2 | 5.6 | 3.1  | 2.2 | 5.6 | 3.3  | 3.5  | 3.0 | 3.1 | 5.4 | .0  |
| 2014/10  | 7.2 | 5.0  | 10.8 | 10.2 | 10.1 | 8.5 | 8.9 | 6.1 | 7.6  | 8.9  | 9.3  | 7.9  | 6.9  | 6.5  | 5.1  | 6.0  | 4.8  | 3.4  | 4.6  | 6.4  | 2.9  | 9.7 | 6.2  | 3.5 | 2.6 | 2.9  | 7.0  | 6.6 | 6.6 | 6.9 | 3.3 |
| 2014/11  | 6.1 | 13.9 | 8.9  | 6.6  | 3.8  | 5.1 | 7.1 | 5.7 | 9.2  | 5.5  | 4.6  | 7.9  | 8.8  | 7.6  | 5.0  | 13.0 | 14.5 | 9.8  | 6.6  | 4.8  | 3.7  | 4.5 | 5.6  | 4.8 | 3.5 | 6.8  | 2.4  | 3.2 | 6.8 | 2.4 | .0  |
| 2014/冬   | 5.5 | 4.3  | 7.4  | 9.9  | 7.4  | 7.3 | 4.6 | 9.8 | 12.2 | 12.6 | 10.5 | 10.6 | 10.3 | 12.2 | 11.3 | 7.3  | 10.2 | 13.8 | 11.4 | 11.0 | 10.6 | 9.9 | 8.5  | 9.1 | 8.5 | 10.8 | 11.4 | 8.4 | 7.8 | 5.3 | 8.3 |
| 2014/春   | 7.1 | 8.9  | 7.6  | 5.8  | 12.8 | 8.7 | 7.6 | 8.8 | 8.8  | 6.0  | 6.1  | 5.2  | 8.8  | 7.3  | 7.6  | 4.6  | 4.6  | 4.0  | 3.5  | 11.1 | 10.4 | 7.4 | 6.7  | 7.2 | 3.8 | 4.9  | 6.0  | 5.5 | 5.9 | 5.1 | 3.8 |
| 2014/夏   | 5.9 | 5.5  | 7.3  | 5.0  | 5.9  | 7.1 | 7.6 | 9.6 | 6.7  | 7.4  | 9.5  | 6.1  | 4.9  | 6.2  | 5.8  | 9.0  | 9.9  | 9.7  | 4.7  | 5.3  | 4.2  | 8.2 | 16.4 | 6.0 | 3.8 | 6.9  | 5.3  | 5.3 | 5.7 | 5.0 | 6.3 |
| 2014/秋   | 7.2 | 13.9 | 10.8 | 10.2 | 10.1 | 8.5 | 8.9 | 6.1 | 9.2  | 8.9  | 9.3  | 7.9  | 8.8  | 7.6  | 13.2 | 13.0 | 14.5 | 9.8  | 6.6  | 7.1  | 13.2 | 9.7 | 6.2  | 4.8 | 5.6 | 6.8  | 7.0  | 6.6 | 6.8 | 6.9 | 3.3 |
| 2014/年   | 7.2 | 13.9 | 10.8 | 10.2 | 12.8 | 8.7 | 8.9 | 9.8 | 12.2 | 12.6 | 10.5 | 10.6 | 10.3 | 12.2 | 13.2 | 13.0 | 14.5 | 13.8 | 11.4 | 11.1 | 13.2 | 9.9 | 16.4 | 9.1 | 8.5 | 10.8 | 11.4 | 8.4 | 7.8 | 6.9 | 8.3 |

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單位: m/sec

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表1.2.5d 歷年基隆港域主要測站每日風速最大值統計表

| 日<br>年、月 | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 27   | 29   | 28   | 31   |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 歷年/12    | 14.4 | 11.8 | 11.9 | 13.1 | 14.7 | 10.8 | 11.7 | 11.8 | 12.3 | 11.9 | 12.4 | 11.1 | 10.1 | 10.8 | 12.1 | 15.5 | 12.1 | 13.8 | 11.4 | 9.6  | 13.1 | 13.7 | 11.8 | 10.9 | 10.5 | 10.8 | 11.4 | 12.6 | 9.7  | 14.8 | 11.5 |
| 歷年/01    | 9.1  | 11.7 | 12.4 | 10.9 | 15.4 | 11.8 | 10.4 | 11.6 | 11.0 | 10.6 | 12.1 | 10.6 | 10.1 | 12.2 | 14.5 | 12.1 | 12.2 | 10.2 | 9.8  | 11.0 | 10.6 | 11.0 | 13.6 | 10.9 | 12.0 | 11.8 | 10.6 | 11.4 | 12.6 | 10.3 | 11.7 |
| 歷年/02    | 10.8 | 9.2  | 10.6 | 9.9  | 10.0 | 10.7 | 13.0 | 10.9 | 12.2 | 12.6 | 11.0 | 11.5 | 10.3 | 10.6 | 9.3  | 10.6 | 11.2 | 10.2 | 12.7 | 12.0 | 8.0  | 10.4 | 8.9  | 10.1 | 10.3 | 10.5 | 9.5  | 11.8 | 5.2  | .0   | .0   |
| 歷年/03    | 9.8  | 9.9  | 12.9 | 9.8  | 11.8 | 10.4 | 10.3 | 9.1  | 11.4 | 10.3 | 10.1 | 13.9 | 13.7 | 11.3 | 10.8 | 10.2 | 10.7 | 10.7 | 9.2  | 11.1 | 10.4 | 10.9 | 10.6 | 11.4 | 10.3 | 10.7 | 9.4  | 9.7  | 9.8  | 9.3  | 13.5 |
| 歷年/04    | 9.6  | 13.4 | 12.0 | 9.9  | 9.7  | 11.0 | 10.3 | 9.3  | 7.8  | 9.3  | 8.2  | 7.7  | 9.9  | 7.9  | 10.5 | 7.8  | 8.0  | 10.2 | 7.9  | 11.1 | 9.6  | 7.6  | 10.5 | 7.8  | 10.3 | 9.2  | 10.0 | 7.6  | 6.9  | 9.5  | .0   |
| 歷年/05    | 8.6  | 8.7  | 8.6  | 8.5  | 12.8 | 12.3 | 8.1  | 7.4  | 8.9  | 11.7 | 8.4  | 6.0  | 8.9  | 9.3  | 11.6 | 6.9  | 9.9  | 9.2  | 10.4 | 7.5  | 6.5  | 7.1  | 8.1  | 8.0  | 7.2  | 7.3  | 10.1 | 15.5 | 9.2  | 7.9  | 9.1  |
| 歷年/06    | 6.6  | 6.9  | 9.1  | 9.3  | 9.5  | 6.4  | 6.0  | 7.6  | 10.9 | 7.4  | 9.5  | 6.8  | 7.6  | 8.7  | 5.6  | 6.3  | 8.7  | 7.8  | 5.6  | 13.3 | 8.0  | 9.0  | 9.3  | 8.7  | 8.2  | 5.9  | 6.7  | 7.6  | 10.2 | 8.9  | .0   |
| 歷年/07    | 9.9  | 11.0 | 6.5  | 10.0 | 7.4  | 7.1  | 7.6  | 9.6  | 6.8  | 9.4  | 10.6 | 21.4 | 27.3 | 8.4  | 9.3  | 9.8  | 14.6 | 20.1 | 16.6 | 8.8  | 9.4  | 9.1  | 16.4 | 8.7  | 14.6 | 9.5  | 10.3 | 18.1 | 13.4 | 7.7  | 10.5 |
| 歷年/08    | 19.2 | 17.8 | 8.5  | 14.3 | 15.0 | 12.0 | 18.9 | 19.1 | 10.8 | 9.3  | 9.3  | 13.5 | 14.7 | 7.9  | 8.8  | 8.3  | 6.6  | 15.2 | 14.1 | 10.5 | 12.5 | 6.7  | 11.4 | 18.7 | 18.6 | 10.6 | 9.4  | 7.8  | 10.1 | 7.9  | 20.1 |
| 歷年/09    | 26.1 | 13.0 | 9.3  | 7.8  | 8.0  | 5.9  | 7.3  | 8.3  | 9.4  | 13.2 | 14.6 | 14.9 | 19.8 | 18.2 | 14.4 | 13.7 | 11.8 | 12.8 | 15.9 | 14.3 | 13.2 | 11.8 | 10.1 | 9.1  | 8.2  | 9.9  | 13.1 | 19.3 | 11.8 | 9.9  | .0   |
| 歷年/10    | 9.4  | 12.6 | 12.2 | 13.9 | 14.1 | 26.9 | 11.5 | 12.4 | 9.3  | 10.5 | 9.8  | 8.3  | 7.6  | 11.0 | 10.1 | 10.4 | 11.6 | 14.3 | 12.2 | 9.4  | 14.9 | 10.8 | 10.5 | 12.9 | 19.1 | 13.8 | 12.9 | 12.8 | 12.6 | 11.2 | 9.3  |
| 歷年/11    | 12.4 | 14.1 | 11.6 | 9.2  | 11.1 | 8.8  | 8.6  | 14.3 | 13.1 | 14.3 | 13.9 | 10.4 | 11.7 | 11.4 | 11.9 | 13.0 | 14.5 | 11.6 | 12.1 | 11.6 | 11.4 | 13.9 | 10.3 | 9.9  | 12.0 | 12.6 | 15.2 | 12.4 | 12.0 | 11.9 | .0   |
| 歷年/冬     | 14.4 | 11.8 | 12.4 | 13.1 | 15.4 | 11.8 | 13.0 | 11.8 | 12.3 | 12.6 | 12.4 | 11.5 | 10.3 | 12.2 | 14.5 | 15.5 | 12.2 | 13.8 | 12.7 | 12.0 | 13.1 | 13.7 | 13.6 | 10.9 | 12.0 | 11.8 | 11.4 | 12.6 | 12.6 | 14.8 | 11.7 |
| 歷年/春     | 9.8  | 13.4 | 12.9 | 9.9  | 12.8 | 12.3 | 10.3 | 9.3  | 11.4 | 11.7 | 10.1 | 13.9 | 13.7 | 11.3 | 11.6 | 10.2 | 10.7 | 10.7 | 10.4 | 11.1 | 10.4 | 10.9 | 10.6 | 11.4 | 10.3 | 10.7 | 10.1 | 15.5 | 9.8  | 9.5  | 13.5 |
| 歷年/夏     | 19.2 | 17.8 | 9.1  | 14.3 | 15.0 | 12.0 | 18.9 | 19.1 | 10.9 | 9.4  | 10.6 | 21.4 | 27.3 | 8.7  | 9.3  | 9.8  | 14.6 | 20.1 | 16.6 | 13.3 | 12.5 | 9.1  | 16.4 | 18.7 | 18.6 | 10.6 | 10.3 | 18.1 | 13.4 | 8.9  | 20.1 |
| 歷年/秋     | 26.1 | 14.1 | 12.2 | 13.9 | 14.1 | 26.9 | 11.5 | 14.3 | 13.1 | 14.3 | 14.6 | 14.9 | 19.8 | 18.2 | 14.4 | 13.7 | 14.5 | 14.3 | 15.9 | 14.3 | 14.9 | 13.9 | 10.5 | 12.9 | 19.1 | 13.8 | 15.2 | 19.3 | 12.6 | 11.9 | 9.3  |
| 歷年/年     | 26.1 | 17.8 | 12.9 | 14.3 | 15.4 | 26.9 | 18.9 | 19.1 | 13.1 | 14.3 | 14.6 | 21.4 | 27.3 | 18.2 | 14.5 | 15.5 | 14.6 | 20.1 | 16.6 | 14.3 | 14.9 | 13.9 | 16.4 | 18.7 | 19.1 | 13.8 | 15.2 | 19.3 | 13.4 | 14.8 | 20.1 |

DISW9Z2.BAT

單位: m/sec

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表1.2.6a 2014年冬季基隆港域主要測站風速及風向聯合分佈百分比(%)統計表

2013年12月1日0時0分~2014年2月28日23時0分

| 流向<br>風速 | N    | NNE  | NE   | ENE | E   | ESE | SE  | SSE | S   | SSW | SW  | WSW | W  | WNW | NW  | NNW | 合計<br>(%) |
|----------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----------|
| .3m/s    | .3   | .1   | .4   | .1  | .0  | .1  | .1  | .2  | .8  | .7  | .3  | .3  | .0 | .1  | .2  | .5  | 4.3       |
| 1m/s     | .7   | .3   | .3   | .6  | 1.3 | .8  | .4  | .8  | 3.8 | 4.5 | 1.1 | .6  | .2 | .5  | .7  | 1.0 | 17.7      |
| 2m/s     | .6   | .7   | .7   | 2.6 | 2.2 | 1.2 | .8  | .5  | 1.3 | 1.9 | .6  | .3  | .0 | .0  | .7  | 1.5 | 15.6      |
| 3m/s     | .2   | .8   | 1.6  | 2.7 | 1.3 | .6  | .7  | .4  | .0  | .3  | .3  | .0  | .0 | .1  | .5  | 1.0 | 10.5      |
| 4m/s     | .6   | 1.8  | 2.9  | 1.1 | .2  | .5  | .6  | .2  | .2  | .0  | .0  | .0  | .0 | .0  | .4  | .7  | 9.2       |
| 5m/s     | .4   | 3.0  | 2.0  | .3  | .0  | .5  | .4  | .5  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .5  | 7.7       |
| 6m/s     | 1.0  | 4.4  | 2.4  | .0  | .0  | .0  | .2  | .1  | .0  | .0  | .0  | .0  | .0 | .0  | .2  | .5  | 8.8       |
| 7m/s     | 1.7  | 4.8  | .8   | .0  | .0  | .0  | .3  | .1  | .0  | .0  | .0  | .0  | .0 | .0  | .1  | .2  | 8.0       |
| 8m/s     | 7.0  | 4.8  | .3   | .0  | .0  | .0  | .0  | .1  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .5  | 12.7      |
| 10m/s    | 3.8  | .9   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | 4.7       |
| 12m/s    | .8   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .8        |
| 14m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 16m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 18m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 20m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 22m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 24m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 26m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 28m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 30m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 40m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 100m/s   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 合計       | 17.2 | 21.5 | 11.3 | 7.5 | 5.1 | 3.6 | 3.6 | 2.8 | 6.2 | 7.5 | 2.3 | 1.2 | .3 | .7  | 2.9 | 6.5 | 100.0     |

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[註1]: 風速介於 1.0m/s~ 2.0m/s 佔 17.7%。主風向 NNE 佔 21.5%。

[註2]: 風速平均值 = 4.8m/s, 風速最大值 = 13.8m/s, 其風向為 N。

[註3]: 風速小於 5m/s 佔 57.3%; 介於 5~10m/s 佔 37.2%; 風速大於 10m/s 佔 5.5%。

[註4]: 風向介於 N~E 佔 52.3%; E~S 佔 14.8%; S~W 佔 15.1%; W~N 佔 17.8%; 靜風佔 .0%。

[註5]: 資料每小時記錄一次, 合計 2160筆 (100.0%), 檔名: W14WKLW0.1HY。

表 1.2.6b 歷年 冬季 基隆港域主要測站風速及風向聯合分佈百分比 (%) 統計表

2002年12月1日 0時 0分 ~ 2014年 2月28日 23時 0分

| 流向<br>風速 | N    | NNE  | NE   | ENE  | E   | ESE | SE  | SSE | S   | SSW | SW  | WSW | W  | WNW | NW  | NNW | 合計<br>(%) |
|----------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----------|
| .3m/s    | 1.0  | .4   | .4   | .3   | .2  | .1  | .1  | .3  | .6  | .8  | .7  | .3  | .2 | .1  | .1  | .3  | 5.9       |
| 1m/s     | 1.5  | 1.1  | 1.2  | 1.1  | 1.0 | .6  | .5  | .6  | 1.7 | 2.4 | 2.0 | .9  | .4 | .3  | .6  | .7  | 16.6      |
| 2m/s     | 1.4  | 1.1  | 1.4  | 2.5  | 1.7 | .8  | .5  | .4  | .8  | 1.3 | .9  | .4  | .2 | .2  | .4  | .8  | 14.9      |
| 3m/s     | 1.1  | 1.2  | 1.5  | 2.6  | 1.4 | .7  | .5  | .4  | .3  | .3  | .3  | .1  | .1 | .1  | .4  | .7  | 11.5      |
| 4m/s     | 1.1  | 1.8  | 2.3  | 2.0  | .6  | .4  | .4  | .2  | .1  | .1  | .1  | .0  | .0 | .1  | .3  | .5  | 10.1      |
| 5m/s     | 1.1  | 2.4  | 3.1  | 1.7  | .4  | .2  | .2  | .2  | .1  | .1  | .0  | .0  | .0 | .0  | .1  | .3  | 10.0      |
| 6m/s     | 1.3  | 3.1  | 3.1  | 1.3  | .2  | .0  | .1  | .1  | .1  | .0  | .0  | .0  | .0 | .0  | .1  | .2  | 9.7       |
| 7m/s     | 1.6  | 3.4  | 2.3  | .7   | .1  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .1  | .1  | 8.4       |
| 8m/s     | 2.9  | 3.5  | 1.9  | .3   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .2  | 8.9       |
| 10m/s    | 1.4  | .6   | .5   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | 2.5       |
| 12m/s    | .3   | .0   | .1   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .5        |
| 14m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 16m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 18m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 20m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 22m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 24m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 26m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 28m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 30m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 40m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 100m/s   | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 合計       | 14.7 | 18.6 | 17.9 | 12.5 | 5.5 | 2.9 | 2.4 | 2.2 | 3.7 | 4.9 | 4.0 | 1.8 | .9 | .8  | 2.1 | 3.8 | 99.0      |

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- [註1]: 風速介於 1.0m/s~ 2.0m/s 佔 16.6%。主風向 NNE 佔 18.6%。  
 [註2]: 風速平均值 = 4.4m/s, 風速最大值 = 15.5m/s, 其風向為 NE。  
 [註3]: 風速小於 5m/s 佔 60.0%; 介於 5~10m/s 佔 37.0%; 風速大於 10m/s 佔 3.0%。  
 [註4]: 風向介於 N~E 佔 61.1%; E~S 佔 11.6%; S~W 佔 13.3%; W~N 佔 12.9%; 靜風佔 1.0%。  
 [註5]: 資料每小時記錄一次, 合計 25992筆 (100.0%), 檔名: W44WKLW0.1HY。

表1.2.6c 2014年 春季 基隆港域主要測站風速及風向聯合分佈百分比 (%) 統計表

2014年 3月 1日 0時 0分 ~ 2014年 5月 31日 23時 0分

| 流向<br>風速 | N   | NNE  | NE  | ENE | E   | ESE | SE  | SSE | S    | SSW | SW  | WSW | W   | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----------|
| .3m/s    | .6  | .4   | .5  | .5  | .5  | .8  | .4  | .7  | 1.0  | 1.2 | .9  | .4  | .5  | .3  | .5  | .9  | 10.1      |
| 1m/s     | 1.5 | 1.3  | 1.0 | 1.5 | 1.3 | 1.0 | 1.4 | 1.8 | 5.2  | 4.3 | 2.0 | .8  | .5  | .7  | 1.8 | 2.8 | 28.9      |
| 2m/s     | 1.5 | 1.6  | 1.1 | 1.8 | 1.6 | 1.4 | 1.1 | 1.1 | 2.5  | 1.4 | .5  | .2  | .0  | .1  | 1.8 | 2.5 | 20.3      |
| 3m/s     | 1.0 | 1.0  | 2.0 | 1.4 | 1.5 | 1.2 | 1.1 | .9  | .9   | .3  | .2  | .2  | .0  | .0  | .9  | 1.5 | 14.1      |
| 4m/s     | .8  | 1.7  | 1.6 | .7  | .1  | 1.2 | 1.1 | .7  | .5   | .1  | .0  | .2  | .0  | .1  | .4  | .6  | 9.8       |
| 5m/s     | .7  | 1.9  | 1.6 | .1  | .0  | .3  | .4  | .1  | .0   | .0  | .0  | .0  | .0  | .0  | .3  | .5  | 5.9       |
| 6m/s     | .5  | 2.6  | .3  | .0  | .0  | .0  | .5  | .3  | .1   | .0  | .0  | .0  | .0  | .0  | .0  | .2  | 4.7       |
| 7m/s     | 1.2 | 2.2  | .1  | .0  | .0  | .0  | .1  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .1  | 3.8       |
| 8m/s     | 1.2 | .8   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | 2.0       |
| 10m/s    | .1  | .1   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .3        |
| 12m/s    | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 14m/s    | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 16m/s    | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 18m/s    | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 20m/s    | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 22m/s    | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 24m/s    | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 26m/s    | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 28m/s    | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 30m/s    | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 40m/s    | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 100m/s   | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 合計       | 9.3 | 13.6 | 8.2 | 6.2 | 5.0 | 5.8 | 6.2 | 5.7 | 10.1 | 7.3 | 3.7 | 1.8 | 1.0 | 1.3 | 5.7 | 9.1 | 100.0     |

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[註1]: 風速介於 1.0m/s~ 2.0m/s 佔 28.9%。主風向 NNE 佔 13.6%。

[註2]: 風速平均值 = 3.0m/s, 風速最大值 = 12.8m/s, 其風向為 N。

[註3]: 風速小於 5m/s 佔 83.3%; 介於 5~10m/s 佔 16.4%; 風速大於 10m/s 佔 .3%。

[註4]: 風向介於 N~E 佔 35.2%; E~S 佔 24.0%; S~W 佔 19.7%; W~N 佔 21.1%; 靜風佔 .0%。

[註5]: 資料每小時記錄一次, 合計 2208筆 (100.0%), 檔名: W14NKLW0.1HY。

表 1.2.6d 歷年 春季 基隆港域主要測站風速及風向聯合分佈百分比 (%) 統計表

2003年 3月 1日 0時 0分 ~ 2014年 5月 31日 23時 0分

| 流向<br>風速 | N    | NNE  | NE   | ENE | E   | ESE | SE  | SSE | S   | SSW | SW  | WSW | W   | WNW | NW  | NNW | 合計<br>(%) |
|----------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|
| .3m/s    | 1.6  | .6   | .7   | .4  | .2  | .2  | .3  | .4  | .7  | 1.2 | 1.1 | .6  | .4  | .2  | .2  | .3  | 9.0       |
| 1m/s     | 2.6  | 1.8  | 2.0  | 1.3 | 1.0 | .8  | .7  | 1.1 | 3.0 | 4.0 | 2.8 | 1.2 | .6  | .4  | .7  | 1.1 | 25.1      |
| 2m/s     | 2.1  | 2.2  | 2.2  | 2.3 | 1.4 | 1.1 | .7  | .8  | 1.8 | 2.2 | 1.4 | .5  | .3  | .2  | .8  | 1.2 | 21.5      |
| 3m/s     | 1.2  | 1.9  | 2.2  | 2.0 | 1.3 | .9  | .8  | .6  | .6  | .6  | .4  | .2  | .2  | .1  | .5  | .6  | 14.2      |
| 4m/s     | 1.0  | 1.8  | 2.0  | 1.5 | .5  | .6  | .7  | .5  | .3  | .2  | .2  | .1  | .1  | .1  | .2  | .4  | 10.0      |
| 5m/s     | .8   | 1.8  | 1.8  | .9  | .1  | .2  | .4  | .4  | .2  | .0  | .1  | .1  | .0  | .0  | .1  | .2  | 7.2       |
| 6m/s     | .7   | 1.7  | 1.3  | .5  | .1  | .1  | .3  | .3  | .1  | .0  | .0  | .0  | .0  | .0  | .0  | .1  | 5.4       |
| 7m/s     | .6   | 1.3  | .8   | .2  | .0  | .0  | .1  | .1  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .1  | 3.2       |
| 8m/s     | .8   | 1.0  | .6   | .1  | .0  | .0  | .0  | .0  | .1  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | 2.6       |
| 10m/s    | .2   | .2   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .5        |
| 12m/s    | .1   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .1        |
| 14m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 16m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 18m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 20m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 22m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 24m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 26m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 28m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 30m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 40m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 100m/s   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 合計       | 11.7 | 14.4 | 13.6 | 9.2 | 4.6 | 4.0 | 4.0 | 4.1 | 6.9 | 8.1 | 6.0 | 2.8 | 1.6 | 1.0 | 2.7 | 4.1 | 98.8      |

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- [註1]: 風速介於 1.0m/s~ 2.0m/s 佔 25.1%。主風向 NNE 佔 14.4%。  
 [註2]: 風速平均值 = 3.2m/s, 風速最大值 = 15.5m/s, 其風向為 N。  
 [註3]: 風速小於 5m/s 佔 81.0%; 介於 5~10m/s 佔 18.4%; 風速大於 10m/s 佔 .6%。  
 [註4]: 風向介於 N~E 佔 46.2%; E~S 佔 17.7%; S~W 佔 21.5%; W~N 佔 13.5%; 靜風佔 1.2%。  
 [註5]: 資料每小時記錄一次, 合計 26496 筆 (100.0%), 檔名: W44NKLW0.1HY。



表1.2.6e 2014年 夏季 基隆港域主要測站風速及風向聯合分佈百分比 (%) 統計表

2014年 6月 1日 0時 0分 ~ 2014年 8月31日 23時 0分

| 流向<br>風速 | N   | NNE | NE  | ENE | E   | ESE | SE  | SSE | S   | SSW  | SW  | WSW | W   | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----------|
| .3m/s    | .7  | .3  | .4  | .3  | .2  | .5  | .9  | .8  | .9  | .9   | 1.1 | .3  | .3  | .3  | .3  | .4  | 8.6       |
| 1m/s     | 1.6 | 1.6 | .8  | 1.3 | 1.6 | .9  | 1.9 | 2.2 | 4.6 | 8.2  | 3.7 | .9  | .2  | .4  | 1.6 | 2.3 | 34.0      |
| 2m/s     | 1.5 | 2.2 | 1.4 | 1.9 | 1.5 | 1.0 | 1.2 | .8  | 2.8 | 4.3  | 1.7 | .5  | .1  | .3  | 1.5 | 1.8 | 24.5      |
| 3m/s     | 1.3 | 1.8 | 2.4 | 1.4 | 2.2 | 1.1 | 1.4 | .3  | .6  | 1.0  | .7  | .3  | .2  | .2  | .7  | 1.0 | 16.5      |
| 4m/s     | .4  | .4  | 1.4 | .6  | .3  | .6  | 1.1 | .3  | .1  | .3   | .1  | .2  | .2  | .1  | .2  | .1  | 6.5       |
| 5m/s     | .2  | 1.0 | .6  | .1  | .0  | .2  | .7  | .4  | .0  | .0   | .0  | .1  | .0  | .0  | .1  | .2  | 3.8       |
| 6m/s     | .5  | .7  | .2  | .0  | .0  | .0  | .4  | .3  | .0  | .0   | .0  | .0  | .0  | .0  | .2  | .1  | 2.4       |
| 7m/s     | .2  | .1  | .0  | .0  | .0  | .0  | .1  | .4  | .0  | .0   | .0  | .0  | .0  | .0  | .1  | .0  | 1.0       |
| 8m/s     | .6  | .0  | .0  | .0  | .0  | .1  | .4  | .6  | .0  | .0   | .0  | .0  | .0  | .0  | .1  | .3  | 2.1       |
| 10m/s    | .0  | .0  | .0  | .0  | .0  | .1  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .1        |
| 12m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .1  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .1        |
| 14m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .3  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .3        |
| 16m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .1        |
| 18m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 20m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 22m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 24m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 26m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 28m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 30m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 40m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 100m/s   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 合計       | 7.0 | 8.2 | 7.3 | 5.6 | 5.9 | 4.6 | 8.4 | 6.3 | 9.0 | 14.7 | 7.4 | 2.3 | 1.0 | 1.3 | 4.8 | 6.2 | 100.0     |

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- [註1]: 風速介於 1.0m/s~ 2.0m/s 佔 34.0%。主風向 SSW 佔 14.7%。  
 [註2]: 風速平均值 = 2.7m/s, 風速最大值 = 16.4m/s, 其風向為 SSE。  
 [註3]: 風速小於 5m/s 佔 90.1%; 介於 5~10m/s 佔 9.3%; 風速大於 10m/s 佔 .6%。  
 [註4]: 風向介於 N~E 佔 28.8%; E~S 佔 24.1%; S~W 佔 31.5%; W~N 佔 15.5%; 靜風佔 .0%。  
 [註5]: 資料每小時記錄一次, 合計 2208筆 (100.0%), 檔名: W14SKLW0.1HY。

表 1.2.6f 歷年 夏季 基隆港域主要測站風速及風向聯合分佈百分比 (%) 統計表

2003年 6月 1日 0時 0分 ~ 2014年 8月 31日 23時 0分

| 流向<br>風速 | N   | NNE | NE  | ENE | E   | ESE | SE  | SSE | S   | SSW  | SW   | WSW | W   | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----------|
| .3m/s    | 1.6 | .6  | .6  | .3  | .2  | .2  | .3  | .4  | .9  | 1.2  | 1.2  | .7  | .5  | .2  | .2  | .3  | 9.5       |
| 1m/s     | 2.7 | 1.8 | 2.1 | 1.2 | .9  | .8  | 1.0 | 1.7 | 3.7 | 5.5  | 5.1  | 2.1 | .8  | .4  | .9  | 1.4 | 32.2      |
| 2m/s     | 2.3 | 2.5 | 2.9 | 1.5 | 1.3 | 1.2 | .9  | 1.0 | 2.2 | 3.5  | 2.8  | .9  | .4  | .2  | .9  | 1.1 | 25.6      |
| 3m/s     | 1.1 | 1.6 | 2.2 | 1.3 | 1.1 | .9  | .7  | .7  | .6  | .8   | 1.0  | .4  | .3  | .1  | .4  | .5  | 13.8      |
| 4m/s     | .4  | .7  | 1.1 | .6  | .4  | .5  | .8  | .6  | .3  | .3   | .4   | .2  | .1  | .1  | .1  | .2  | 6.7       |
| 5m/s     | .2  | .3  | .5  | .2  | .2  | .3  | .7  | .6  | .2  | .2   | .1   | .1  | .0  | .0  | .0  | .1  | 3.9       |
| 6m/s     | .2  | .2  | .2  | .1  | .1  | .2  | .6  | .5  | .2  | .1   | .1   | .1  | .0  | .0  | .0  | .1  | 2.7       |
| 7m/s     | .1  | .1  | .0  | .1  | .1  | .1  | .4  | .4  | .2  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | 1.8       |
| 8m/s     | .1  | .2  | .0  | .1  | .1  | .1  | .4  | .4  | .1  | .0   | .0   | .0  | .0  | .0  | .0  | .1  | 1.8       |
| 10m/s    | .1  | .1  | .0  | .0  | .0  | .0  | .1  | .1  | .1  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .6        |
| 12m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .3        |
| 14m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .2        |
| 16m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .1        |
| 18m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .1        |
| 20m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0        |
| 22m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0        |
| 24m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0        |
| 26m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0        |
| 28m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0        |
| 30m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0        |
| 40m/s    | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0        |
| 100m/s   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0        |
| 合計       | 8.8 | 8.2 | 9.8 | 5.4 | 4.4 | 4.5 | 6.1 | 6.5 | 8.6 | 11.6 | 10.8 | 4.6 | 2.1 | 1.1 | 2.8 | 4.0 | 99.2      |

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- [註1]: 風速介於 1.0m/s~ 2.0m/s 佔 32.2%。主風向 SSW 佔 11.6%。  
 [註2]: 風速平均值 = 2.8m/s, 風速最大值 = 27.3m/s, 其風向為 N。  
 [註3]: 風速小於 5m/s 佔 88.6%; 介於 5~10m/s 佔 10.1%; 風速大於 10m/s 佔 1.3%。  
 [註4]: 風向介於 N~E 佔 30.5%; E~S 佔 23.2%; S~W 佔 32.7%; W~N 佔 12.8%; 靜風佔 .8%。  
 [註5]: 資料每小時記錄一次, 合計 26496 筆 (100.0%), 檔名: W44SKLW0.1HY。

表 1.2.6g 2014 年 秋季 基隆港域主要測站風速及風向聯合分佈百分比 (%) 統計表

2014 年 9 月 1 日 0 時 0 分 ~ 2014 年 11 月 30 日 23 時 0 分

| 流向<br>風速 | N   | NNE  | NE   | ENE | E   | ESE | SE  | SSE | S   | SSW | SW  | WSW | W  | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----------|
| .3m/s    | .1  | .1   | .1   | .2  | .2  | .3  | .2  | .6  | .9  | 1.1 | .5  | .3  | .1 | .0  | .1  | .3  | 5.2       |
| 1m/s     | 1.3 | 1.0  | .9   | 1.7 | 1.9 | 1.1 | 1.3 | 1.7 | 3.2 | 4.2 | 1.2 | .4  | .1 | .1  | 1.0 | 1.5 | 22.7      |
| 2m/s     | 1.5 | 1.7  | 1.7  | 3.3 | 3.6 | 1.5 | 1.2 | .9  | .7  | 1.7 | .3  | .2  | .2 | .1  | .5  | .6  | 19.9      |
| 3m/s     | .6  | 1.7  | 3.3  | 2.8 | 2.0 | 1.4 | 1.3 | .4  | .0  | .1  | .0  | .0  | .0 | .0  | .5  | .0  | 14.4      |
| 4m/s     | .4  | 2.1  | 3.6  | 1.1 | .4  | .6  | .6  | .1  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .1  | 9.2       |
| 5m/s     | .6  | 2.1  | 4.7  | .3  | .0  | .5  | .8  | .1  | .0  | .0  | .0  | .0  | .0 | .0  | .1  | .2  | 9.7       |
| 6m/s     | .8  | 2.2  | 1.9  | .1  | .0  | .1  | .7  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .1  | .0  | 5.9       |
| 7m/s     | 1.0 | 2.5  | .5   | .0  | .0  | .0  | .1  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .7  | 4.9       |
| 8m/s     | 2.6 | 2.5  | .0   | .0  | .0  | .0  | .2  | .3  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .3  | 5.9       |
| 10m/s    | .5  | .5   | .0   | .0  | .0  | .0  | .2  | .2  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | 1.3       |
| 12m/s    | .3  | .5   | .0   | .0  | .0  | .0  | .0  | .1  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .9        |
| 14m/s    | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 16m/s    | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 18m/s    | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 20m/s    | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 22m/s    | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 24m/s    | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 26m/s    | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 28m/s    | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 30m/s    | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 40m/s    | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 100m/s   | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 合計       | 9.8 | 16.8 | 16.8 | 9.5 | 8.2 | 5.6 | 6.7 | 4.5 | 4.8 | 7.1 | 2.2 | 1.1 | .4 | .4  | 2.4 | 3.9 | 100.0     |

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[註 1]: 風速介於 1.0m/s~ 2.0m/s 佔 22.7%。主風向 NNE 佔 16.8%。

[註 2]: 風速平均值 = 3.8m/s, 風速最大值 = 14.5m/s, 其風向為 NNE。

[註 3]: 風速小於 5m/s 佔 71.4%; 介於 5~10m/s 佔 26.4%; 風速大於 10m/s 佔 2.2%。

[註 4]: 風向介於 N~E 佔 53.8%; E~S 佔 22.2%; S~W 佔 13.2%; W~N 佔 10.8%; 靜風佔 .0%。

[註 5]: 資料每小時記錄一次, 合計 2184 筆 (100.0%), 檔名: W14FKLW0.1HY。

表 1.2.6h 歷年 秋季 基隆港域主要測站風速及風向聯合分佈百分比 (%) 統計表

2003年 9月 1日 0時 0分 ~ 2014年 11月 30日 23時 0分

| 流向<br>風速 | N    | NNE  | NE   | ENE  | E   | ESE | SE  | SSE | S   | SSW | SW  | WSW | W  | WNW | NW  | NNW | 合計<br>(%) |
|----------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----------|
| .3m/s    | 1.0  | .4   | .5   | .3   | .2  | .2  | .2  | .3  | .5  | .6  | .5  | .3  | .2 | .1  | .2  | .2  | 5.5       |
| 1m/s     | 1.7  | 1.0  | 1.5  | 1.6  | 1.3 | .9  | .8  | .7  | 1.6 | 2.1 | 1.5 | .8  | .3 | .2  | .4  | .6  | 16.9      |
| 2m/s     | 1.2  | 1.4  | 2.3  | 2.7  | 2.4 | 1.9 | .9  | .6  | .6  | .8  | .6  | .3  | .1 | .1  | .2  | .5  | 16.6      |
| 3m/s     | .8   | 1.4  | 2.6  | 2.7  | 1.9 | 1.5 | 1.1 | .6  | .2  | .2  | .2  | .1  | .1 | .0  | .3  | .3  | 14.0      |
| 4m/s     | .8   | 2.0  | 3.2  | 1.9  | .9  | .6  | .8  | .4  | .2  | .1  | .1  | .1  | .1 | .0  | .1  | .3  | 11.5      |
| 5m/s     | 1.0  | 2.5  | 3.2  | 1.7  | .3  | .4  | .6  | .4  | .1  | .0  | .0  | .0  | .0 | .0  | .1  | .2  | 10.4      |
| 6m/s     | 1.2  | 2.3  | 2.5  | 1.0  | .1  | .1  | .4  | .3  | .1  | .0  | .0  | .0  | .0 | .0  | .1  | .1  | 8.2       |
| 7m/s     | 1.1  | 1.9  | 1.7  | .7   | .0  | .0  | .1  | .2  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .2  | 6.1       |
| 8m/s     | 1.6  | 2.0  | 1.5  | .5   | .0  | .0  | .1  | .2  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .2  | 6.2       |
| 10m/s    | .9   | .7   | .6   | .1   | .0  | .0  | .1  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .1  | 2.6       |
| 12m/s    | .3   | .2   | .4   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | 1.0       |
| 14m/s    | .1   | .0   | .1   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .3        |
| 16m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .1        |
| 18m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 20m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 22m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 24m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 26m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 28m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 30m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 40m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 100m/s   | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 合計       | 11.8 | 15.7 | 20.0 | 13.4 | 7.2 | 5.7 | 4.9 | 3.7 | 3.4 | 3.9 | 2.9 | 1.6 | .8 | .5  | 1.4 | 2.6 | 99.4      |

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- [註1]: 風速介於 1.0m/s~ 2.0m/s 佔 16.9%。主風向 NE 佔 20.0%。  
 [註2]: 風速平均值 = 4.3m/s, 風速最大值 = 26.9m/s, 其風向為 N。  
 [註3]: 風速小於 5m/s 佔 65.2%; 介於 5~10m/s 佔 30.8%; 風速大於 10m/s 佔 4.0%。  
 [註4]: 風向介於 N~E 佔 59.9%; E~S 佔 19.4%; S~W 佔 10.5%; W~N 佔 9.7%; 靜風佔 .6%。  
 [註5]: 資料每小時記錄一次, 合計 26208 筆 (100.0%), 檔名: W44FKLW0.1HY。

表 1.2.6i 2014 年 整 年 基 隆 港 域 主 要 測 站 風 速 及 風 向 聯 合 分 佈 百 分 比 (%) 統 計 表

2013 年 12 月 1 日 0 時 0 分 ~ 2014 年 11 月 30 日 23 時 0 分

| 流向<br>風速 | N    | NNE  | NE   | ENE | E   | ESE | SE  | SSE | S   | SSW | SW  | WSW | W  | WNW | NW  | NNW | 合計<br>(%) |
|----------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----------|
| .3m/s    | .4   | .2   | .3   | .3  | .2  | .4  | .4  | .6  | .9  | 1.0 | .7  | .3  | .2 | .2  | .3  | .5  | 7.1       |
| 1m/s     | 1.3  | 1.0  | .7   | 1.3 | 1.5 | 1.0 | 1.3 | 1.7 | 4.2 | 5.3 | 2.0 | .7  | .3 | .4  | 1.3 | 1.9 | 25.9      |
| 2m/s     | 1.3  | 1.6  | 1.2  | 2.4 | 2.2 | 1.2 | 1.1 | .8  | 1.8 | 2.3 | .8  | .3  | .1 | .1  | 1.1 | 1.6 | 20.1      |
| 3m/s     | .8   | 1.3  | 2.3  | 2.1 | 1.8 | 1.1 | 1.2 | .5  | .4  | .4  | .3  | .1  | .0 | .1  | .6  | .9  | 13.9      |
| 4m/s     | .6   | 1.5  | 2.4  | .9  | .3  | .7  | .8  | .4  | .2  | .1  | .0  | .1  | .0 | .1  | .2  | .4  | 8.7       |
| 5m/s     | .5   | 2.0  | 2.2  | .2  | .0  | .4  | .6  | .3  | .0  | .0  | .0  | .0  | .0 | .0  | .1  | .3  | 6.8       |
| 6m/s     | .7   | 2.5  | 1.2  | .0  | .0  | .0  | .5  | .2  | .0  | .0  | .0  | .0  | .0 | .0  | .1  | .2  | 5.4       |
| 7m/s     | 1.0  | 2.4  | .4   | .0  | .0  | .0  | .1  | .1  | .0  | .0  | .0  | .0  | .0 | .0  | .1  | .3  | 4.4       |
| 8m/s     | 2.8  | 2.0  | .1   | .0  | .0  | .0  | .2  | .2  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .3  | 5.7       |
| 10m/s    | 1.1  | .4   | .0   | .0  | .0  | .0  | .0  | .1  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | 1.6       |
| 12m/s    | .3   | .1   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .5        |
| 14m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .1  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .1        |
| 16m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 18m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 20m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 22m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 24m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 26m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 28m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 30m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 40m/s    | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 100m/s   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0 | .0  | .0  | .0  | .0        |
| 合計       | 10.8 | 15.0 | 10.9 | 7.2 | 6.0 | 4.9 | 6.3 | 4.8 | 7.5 | 9.2 | 3.9 | 1.6 | .7 | .9  | 3.9 | 6.4 | 100.0     |

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- [註1]: 風速介於 1.0m/s~ 2.0m/s 佔 25.9%。主風向 NNE 佔 15.0%。
- [註2]: 風速平均值 = 3.6m/s, 風速最大值 = 16.4m/s, 其風向為 SSE。
- [註3]: 風速小於 5m/s 佔 75.6%; 介於 5~10m/s 佔 22.2%; 風速大於 10m/s 佔 2.2%。
- [註4]: 風向介於 N~E 佔 42.4%; E~S 佔 21.3%; S~W 佔 19.9%; W~N 佔 16.3%; 靜風佔 .0%。
- [註5]: 資料每小時記錄一次, 合計 8760 筆 (100.0%), 檔名: W140KLW0.1HY。

表 1.2.6j 歷年 基隆港域主要測站風速及風向聯合分佈百分比 (%) 統計表

2002年12月1日 0時 0分 ~ 2014年11月30日 23時 0分

| 流向<br>風速 | N    | NNE  | NE   | ENE  | E   | ESE | SE  | SSE | S   | SSW | SW  | WSW | W   | WNW | NW  | NNW | 合計<br>(%) |
|----------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|
| .3m/s    | 1.3  | .5   | .5   | .3   | .2  | .2  | .2  | .3  | .7  | .9  | .9  | .5  | .3  | .2  | .2  | .3  | 7.5       |
| 1m/s     | 2.1  | 1.4  | 1.7  | 1.3  | 1.0 | .8  | .7  | 1.0 | 2.5 | 3.5 | 2.8 | 1.2 | .5  | .3  | .7  | 1.0 | 22.7      |
| 2m/s     | 1.8  | 1.8  | 2.2  | 2.3  | 1.7 | 1.3 | .8  | .7  | 1.4 | 1.9 | 1.5 | .5  | .3  | .2  | .6  | .9  | 19.7      |
| 3m/s     | 1.1  | 1.5  | 2.1  | 2.1  | 1.4 | 1.0 | .8  | .6  | .4  | .5  | .5  | .2  | .1  | .1  | .4  | .5  | 13.4      |
| 4m/s     | .8   | 1.6  | 2.1  | 1.5  | .6  | .5  | .7  | .4  | .2  | .2  | .2  | .1  | .1  | .0  | .2  | .3  | 9.6       |
| 5m/s     | .8   | 1.7  | 2.1  | 1.1  | .3  | .3  | .5  | .4  | .2  | .1  | .1  | .0  | .0  | .0  | .1  | .2  | 7.9       |
| 6m/s     | .8   | 1.8  | 1.8  | .7   | .1  | .1  | .3  | .3  | .1  | .0  | .0  | .0  | .0  | .0  | .1  | .1  | 6.5       |
| 7m/s     | .9   | 1.7  | 1.2  | .4   | .0  | .1  | .2  | .2  | .1  | .0  | .0  | .0  | .0  | .0  | .0  | .1  | 4.8       |
| 8m/s     | 1.4  | 1.7  | 1.0  | .2   | .0  | .0  | .1  | .2  | .1  | .0  | .0  | .0  | .0  | .0  | .0  | .1  | 4.9       |
| 10m/s    | .6   | .4   | .3   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | 1.5       |
| 12m/s    | .2   | .1   | .1   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .5        |
| 14m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .1        |
| 16m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 18m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 20m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 22m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 24m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 26m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 28m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 30m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 40m/s    | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 100m/s   | .0   | .0   | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 合計       | 11.7 | 14.2 | 15.3 | 10.1 | 5.4 | 4.3 | 4.4 | 4.1 | 5.7 | 7.1 | 6.0 | 2.7 | 1.4 | .8  | 2.3 | 3.6 | 99.1      |

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- [註1]: 風速介於 1.0m/s~ 2.0m/s 佔 22.7%。主風向 NE 佔 15.3%。
- [註2]: 風速平均值 = 3.7m/s, 風速最大值 = 27.3m/s, 其風向為 N。
- [註3]: 風速小於 5m/s 佔 73.8%; 介於 5~10m/s 佔 24.0%; 風速大於 10m/s 佔 2.2%。
- [註4]: 風向介於 N~E 佔 49.3%; E~S 佔 18.0%; S~W 佔 19.5%; W~N 佔 12.2%; 靜風佔 .9%。
- [註5]: 資料每小時記錄一次, 合計 105192 筆 (100.0%), 檔名: W440KLW0.1HY。

### 1.3 基隆港域主要測站風力資料統計圖





# Wind Speed Statistics of KWL0

■ : 2014      ■ : Years

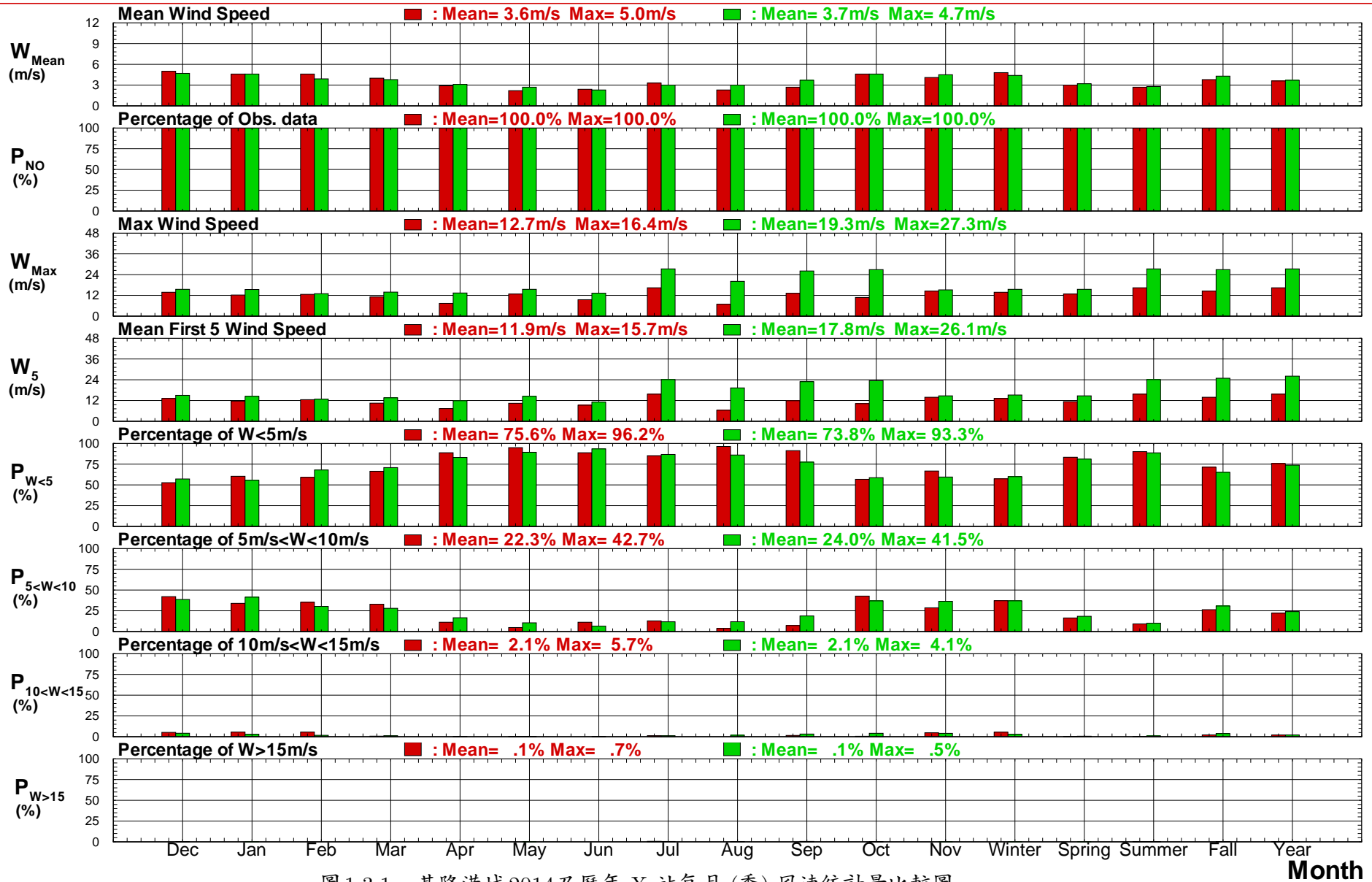


圖 1.3.1a 基隆港域 2014 及歷年 X 站每月 (季) 風速統計量比較圖

Month

# Wind Direction Statistics of KLW0

■ : 2014      ■ : Years

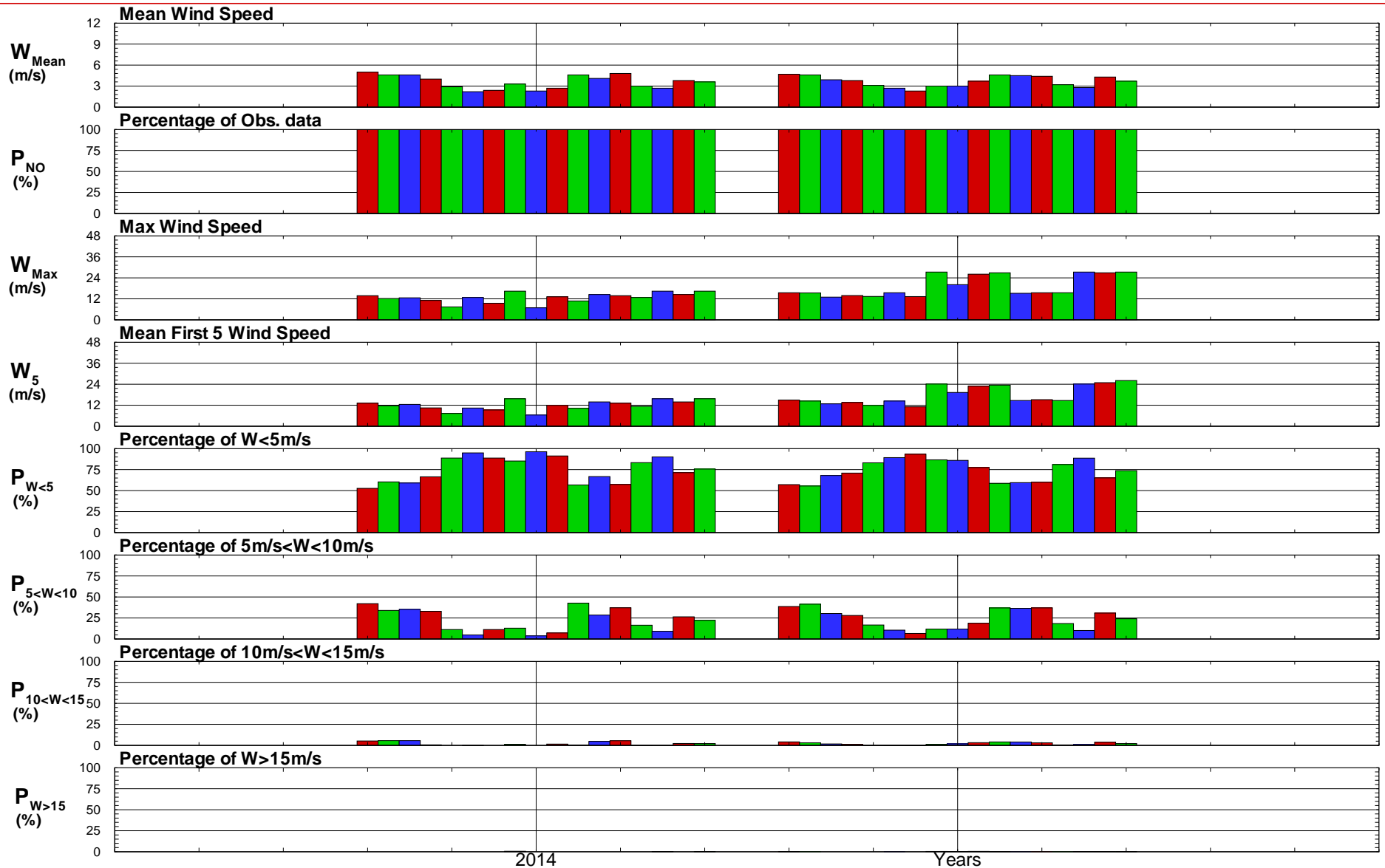


圖 1.3.1b 基隆港域 2014 及 歷年 X 站 每月 (季) 風向 統計量 比較圖

1-3-2

# Wind Speed Statistics of KWL0

■: Dec ■: Jan ■: Feb ■: Mar ..... ■: Fall ■: Years



1-3-3

圖 1.3.1c 基隆港域 2014 及 歷年 X 站 每月 (季) 風速 統計 量 比較 圖

W140KLW0.TS1 W440KLW0.TS1

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STAW1X.BAT(STAW1XH.DAT)

2017/08/18

# Wind Direction Statistics of KLW0

■: Dec ■: Jan ■: Feb ■: Mar ..... ■: Fall ■: Years

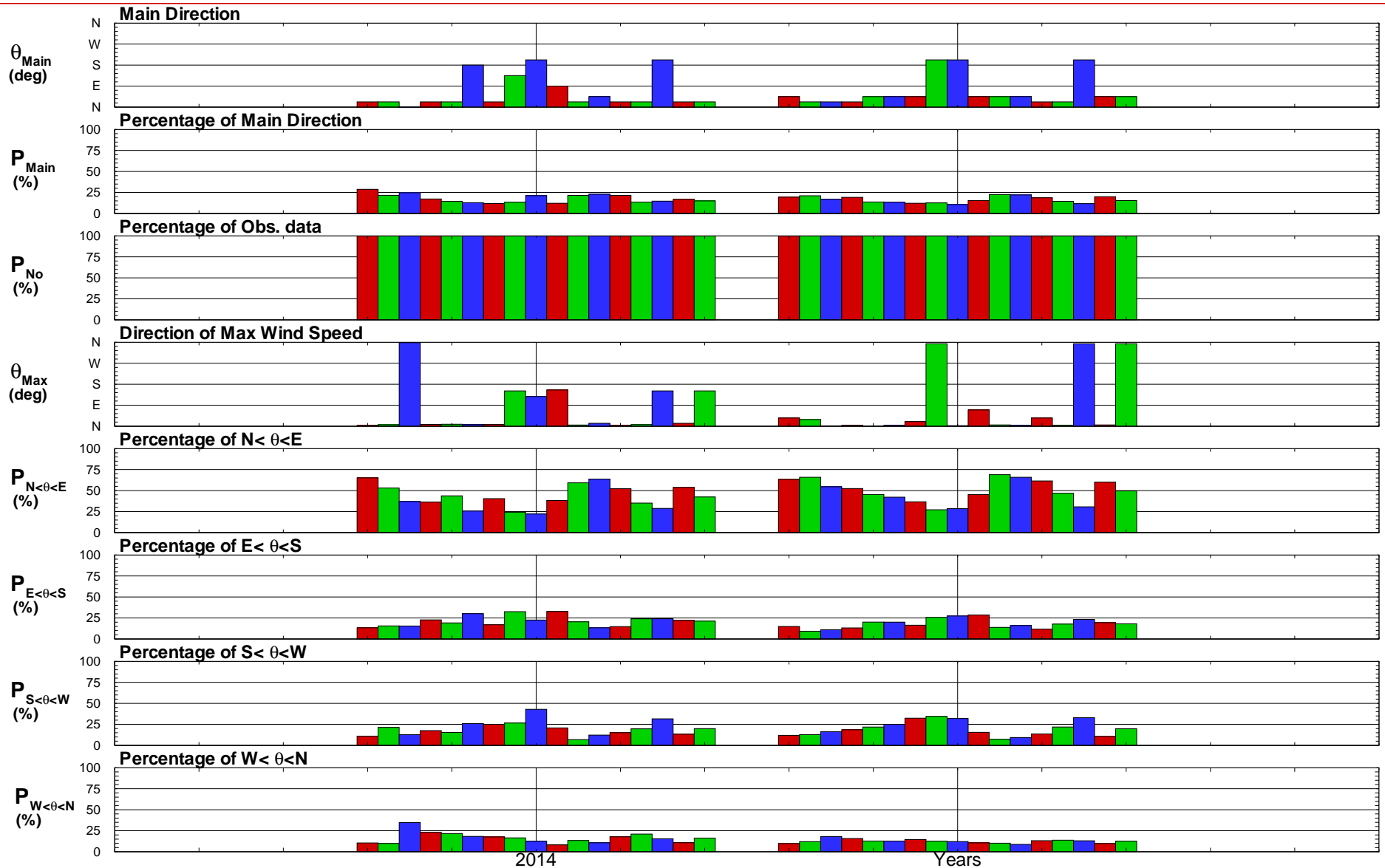


圖 1.3.1d 基隆港域 2014 及歷年 X 站每月 (季) 風向統計量比較圖

Year

# Wind Speed Statistics of K LW0 at 2014

■ : Winter ■ : Summer ■ : Year

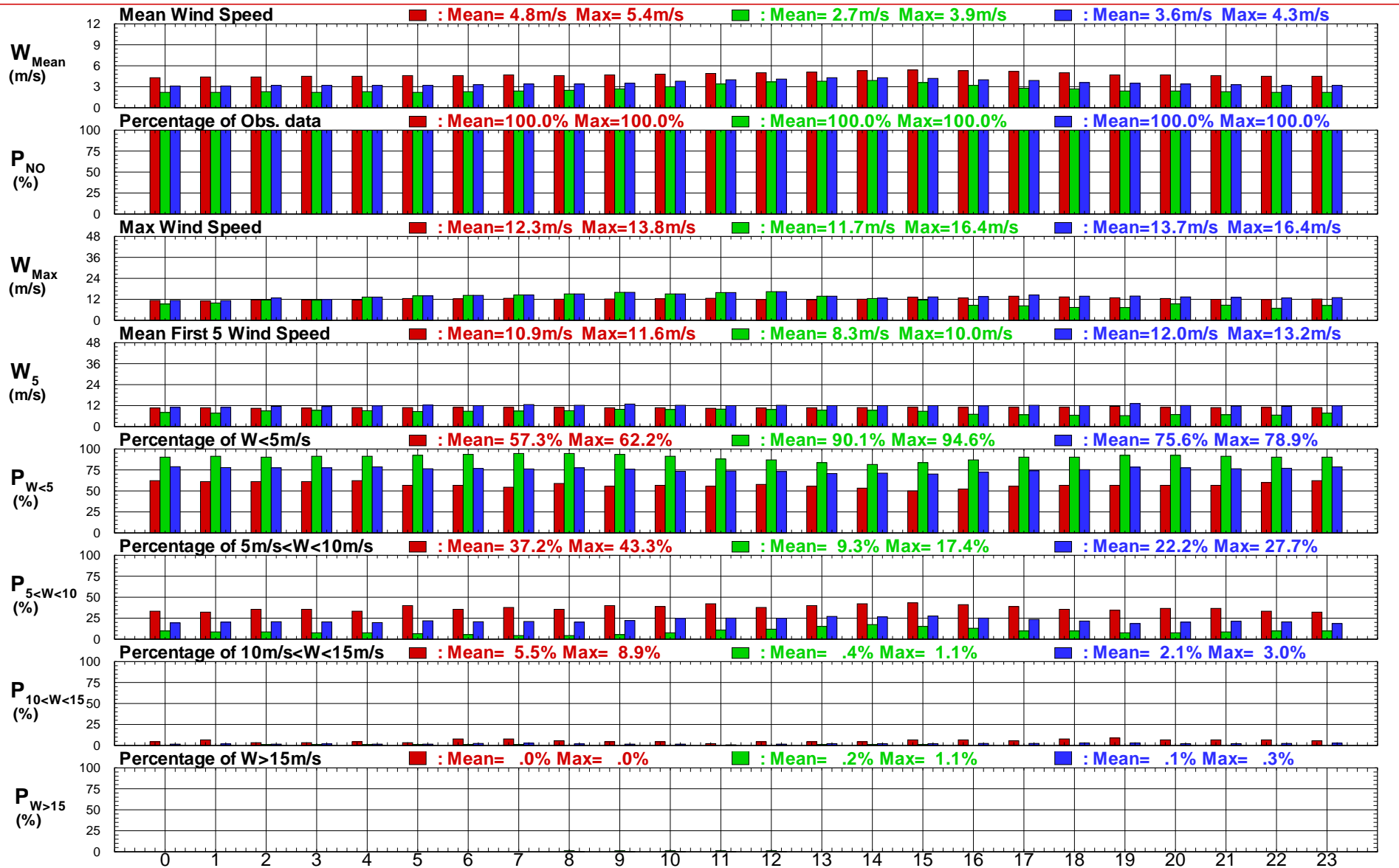


圖 1.3.2a 基隆港域2014冬, 夏及整年 X 站逐時風速統計量比較圖

Hour

W140KLW0.TS2 W140KLW0.TS2 W140KLW0.TS2

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STAW1X.BAT(STAW1XH.DAT)

2017/08/18

C-3-1

# Wind Direction Statistics of KLW0 at 2014

■ : Winter    ■ : Summer    ■ : Year

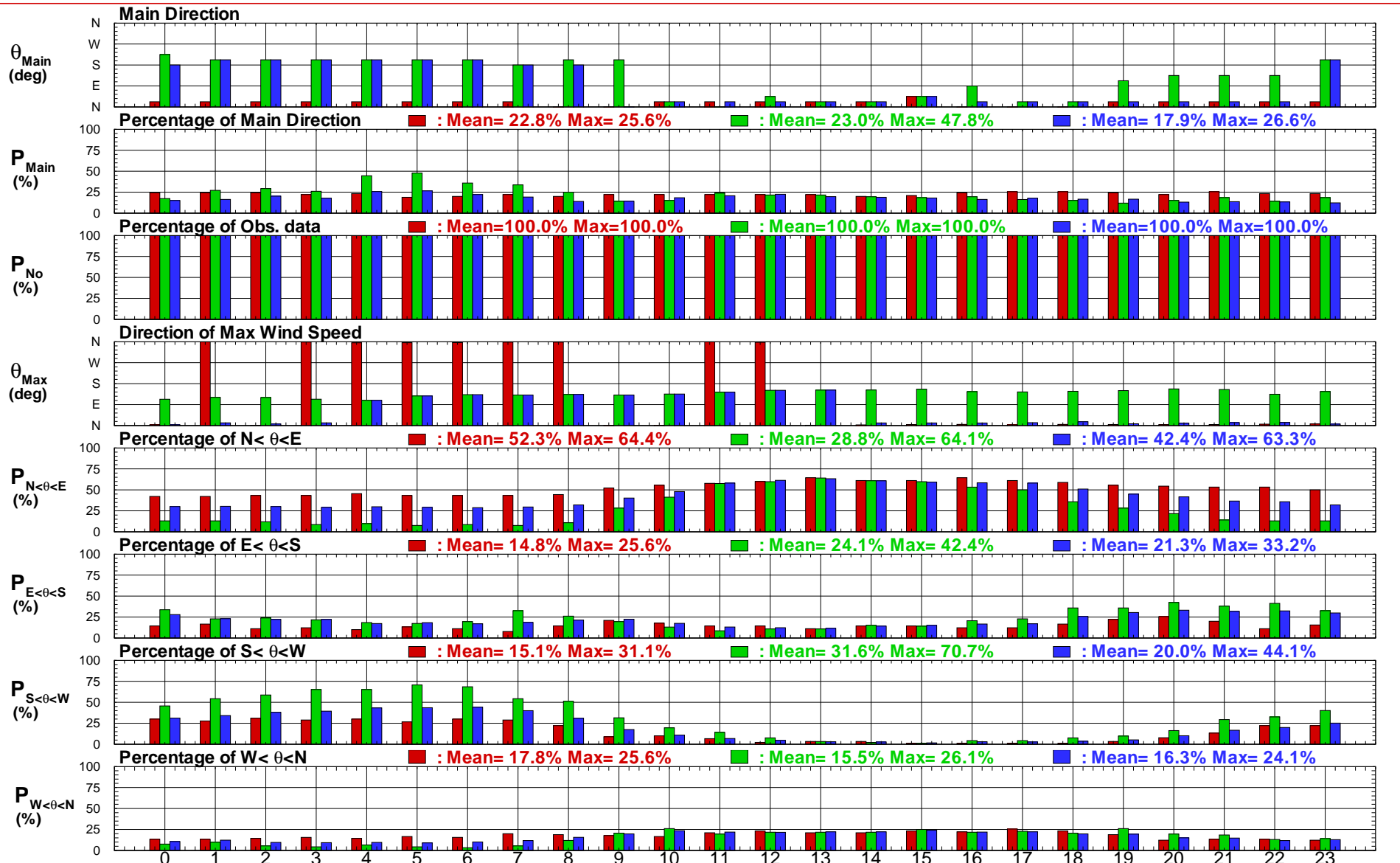


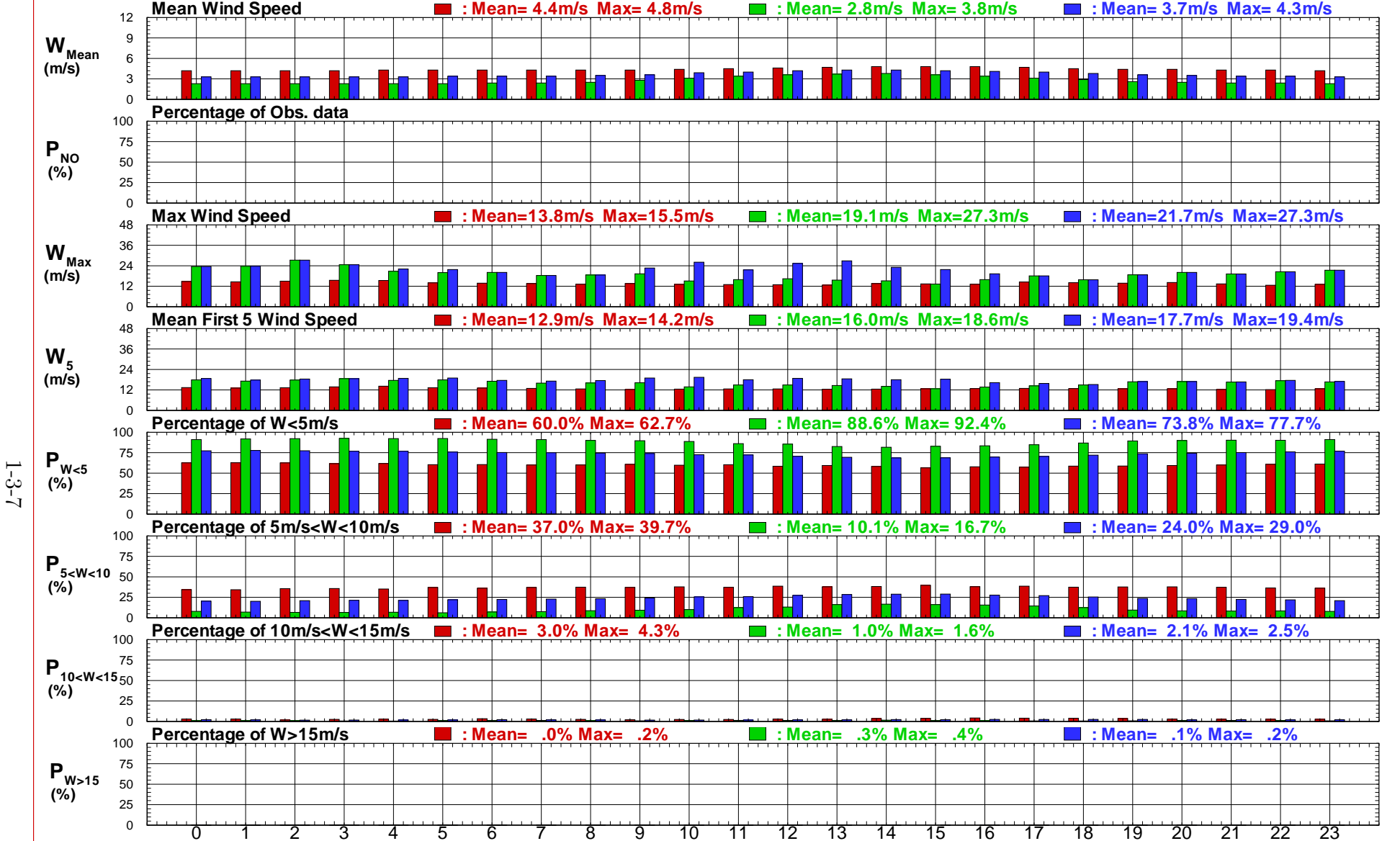
圖 1.3.2b 基隆港域2014冬, 夏及整年 X 站逐時風向統計量比較圖

Hour

1-3-6

# Wind Speed Statistics of K LW0 at Years

■ : Winter ■ : Summer ■ : Year



1-3-7

圖 1.3.2c 基隆港域歷年冬, 夏及整年 X 站每時風速統計量比較圖

Hour

W440KLW0.TS2 W440KLW0.TS2 W440KLW0.TS2

Institute of Harbor & Marine Technology

STAW1X.BAT(STAW1XH.DAT)

2017/08/18

# Wind Direction Statistics of KLW0 at Years

■ : Winter    ■ : Summer    ■ : Year

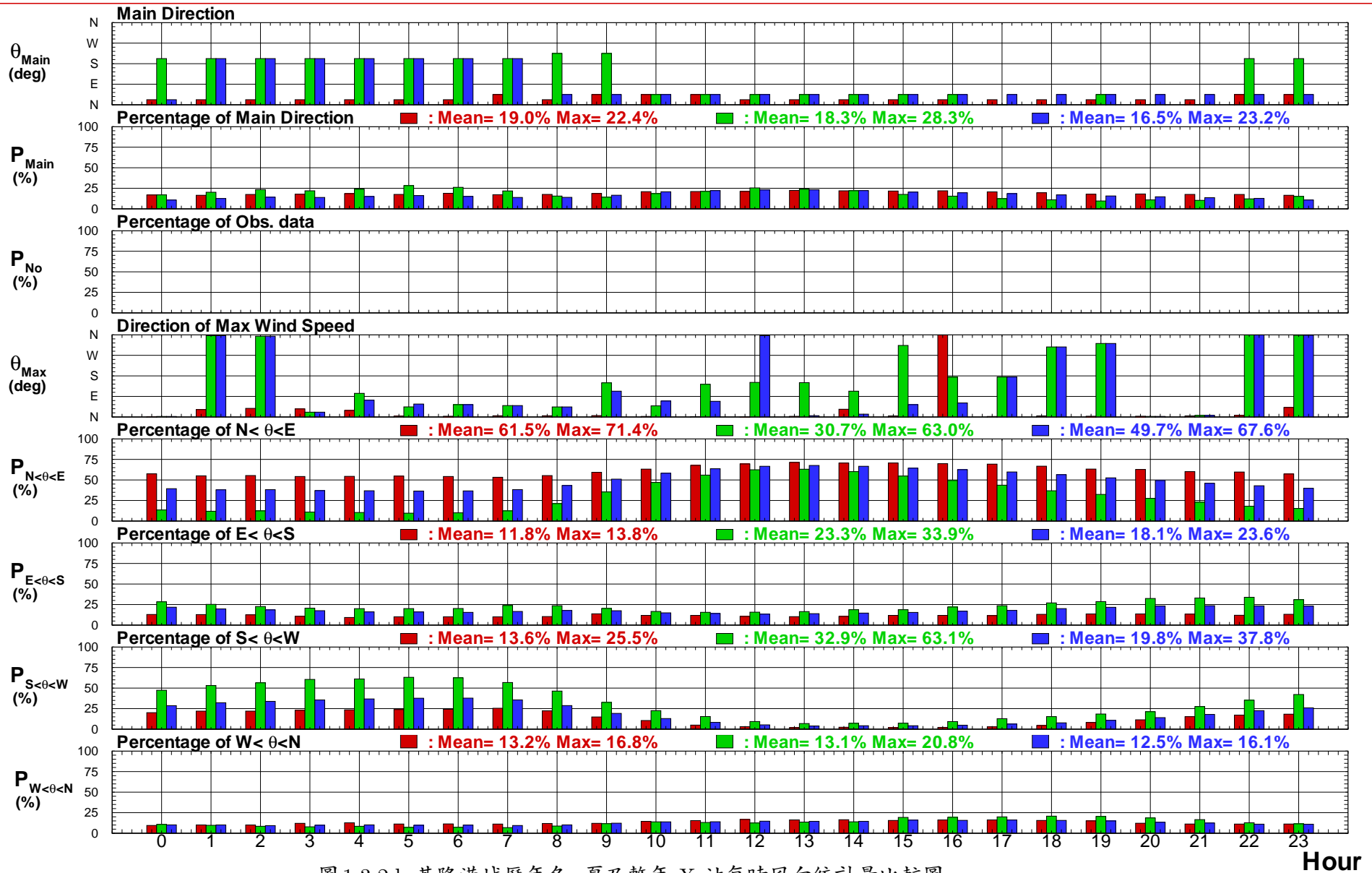


圖 1.3.2d 基隆港域歷年冬, 夏及整年 X 站每時風向統計量比較圖



# Wind Speed Statistics of K LW0 at 2014

■ : Winter ■ : Summer ■ : Year

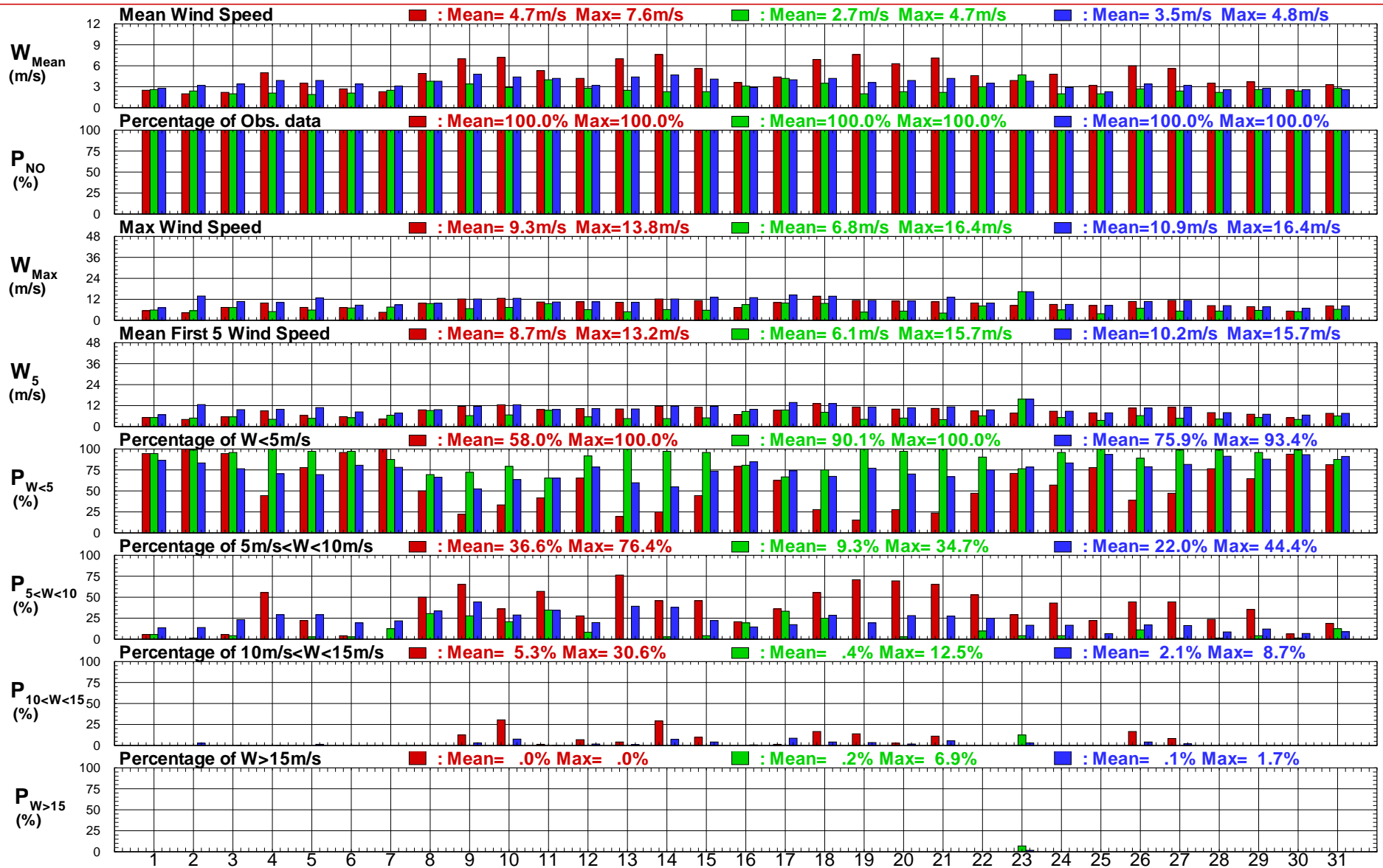


圖 1.3.3a 基隆港域2014冬, 夏及整年 X 站每日風速統計量比較圖

Day

W140KLW0.TS3 W140KLW0.TS3 W140KLW0.TS3

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STAW1X.BAT(STAW1XH.DAT)

2017/08/18

1-3-9

# Wind Direction Statistics of KLW0 at 2014

■ : Winter    ■ : Summer    ■ : Year

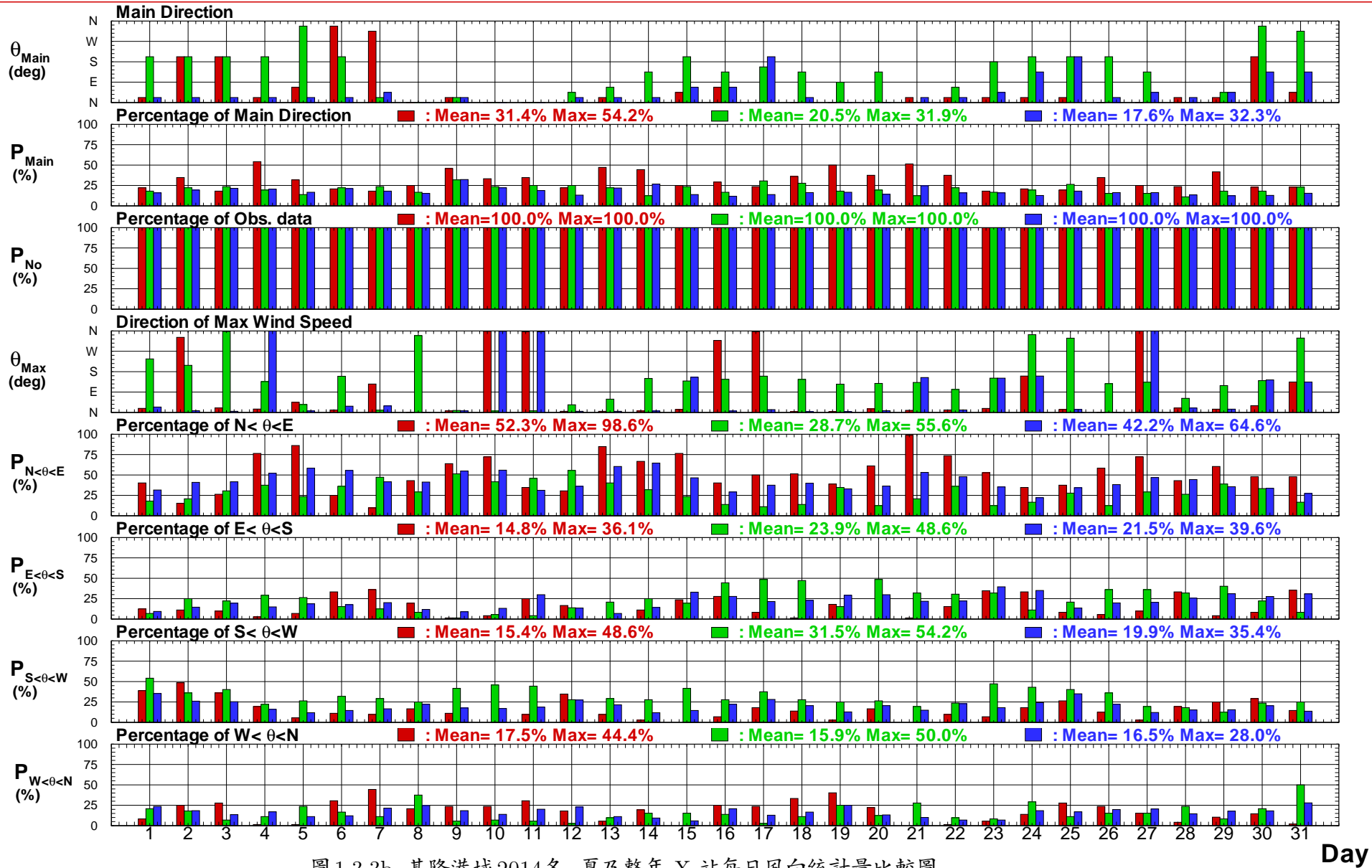


圖 1.3.3b 基隆港域2014冬, 夏及整年 X 站每日風向統計量比較圖

W140KLW0.TD3 W140KLW0.TD3 W140KLW0.TD3

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STAW1X.BAT(STAW1XH.DAT)

2017/08/18

1-3-10

# Wind Speed Statistics of K LW0 at Years

■ : Winter    ■ : Summer    ■ : Year

1-3-11

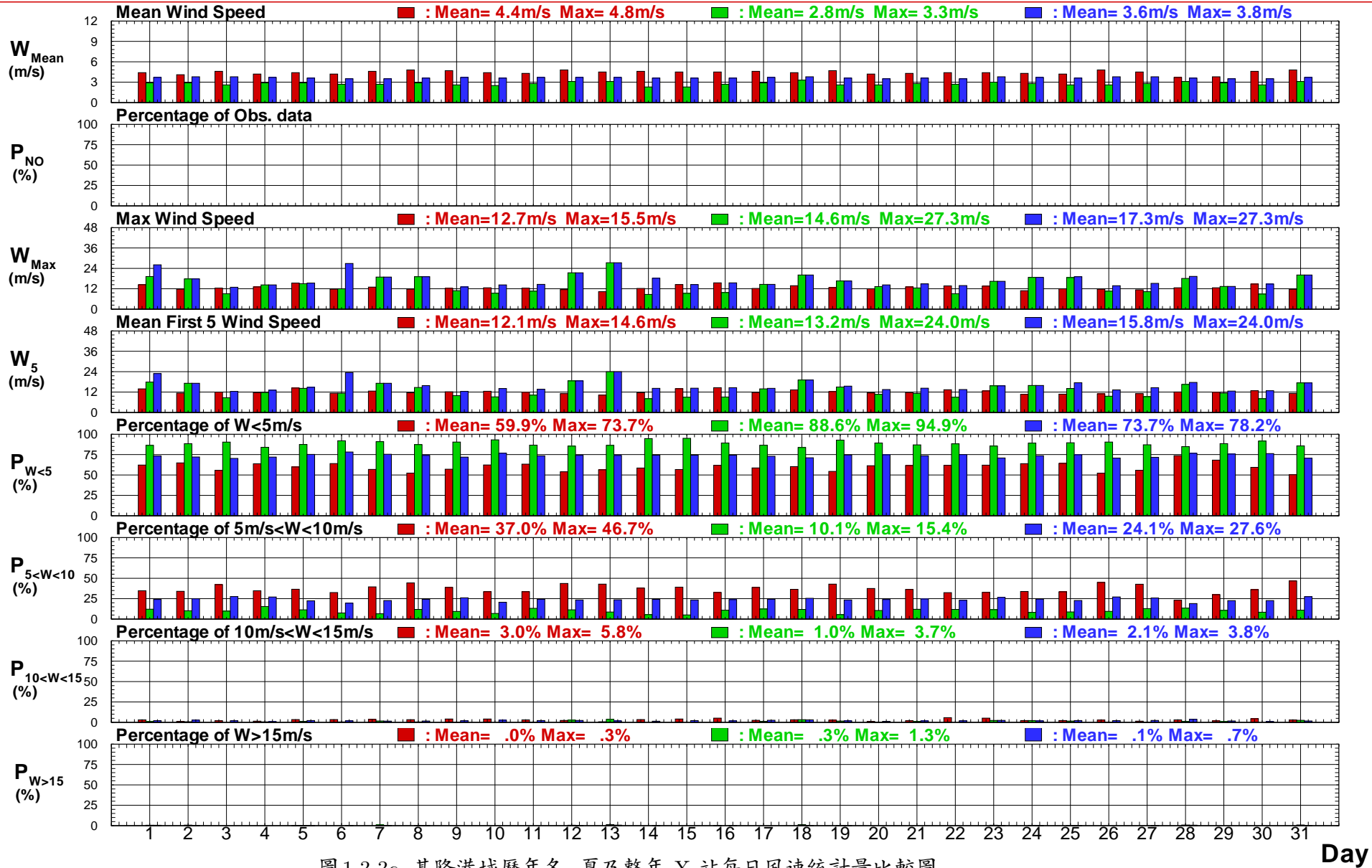


圖 1.3.3c 基隆港域歷年冬, 夏及整年 X 站每日風速統計量比較圖

# Wind Direction Statistics of KLW0 at Years

■ : Winter    ■ : Summer    ■ : Year

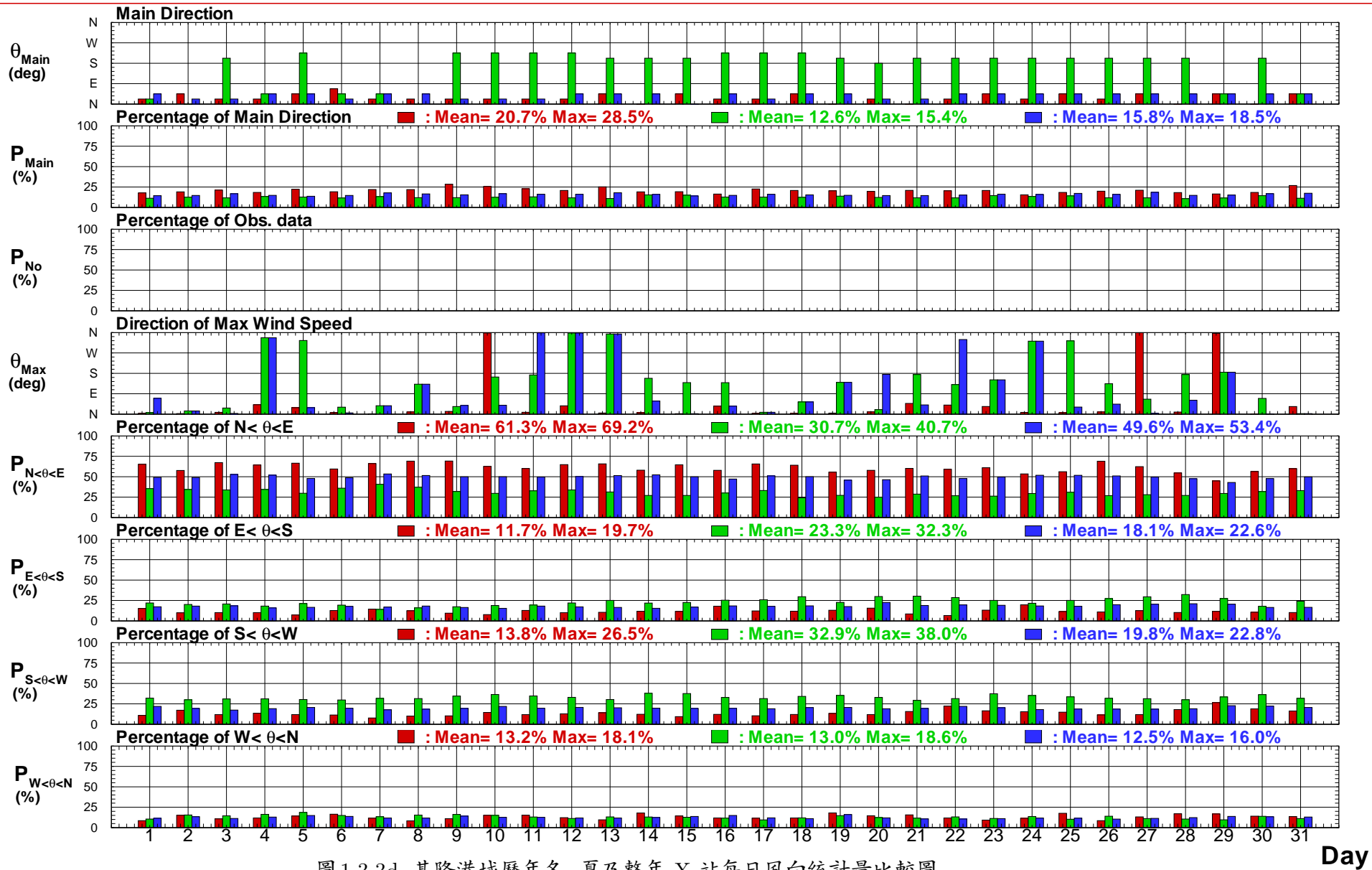


圖 1.3.3d 基隆港域歷年冬、夏及整年 X 站每日風向統計量比較圖

1-3-12

# Histograms of Wind Speed of KLW0

█: 2014 █: Years

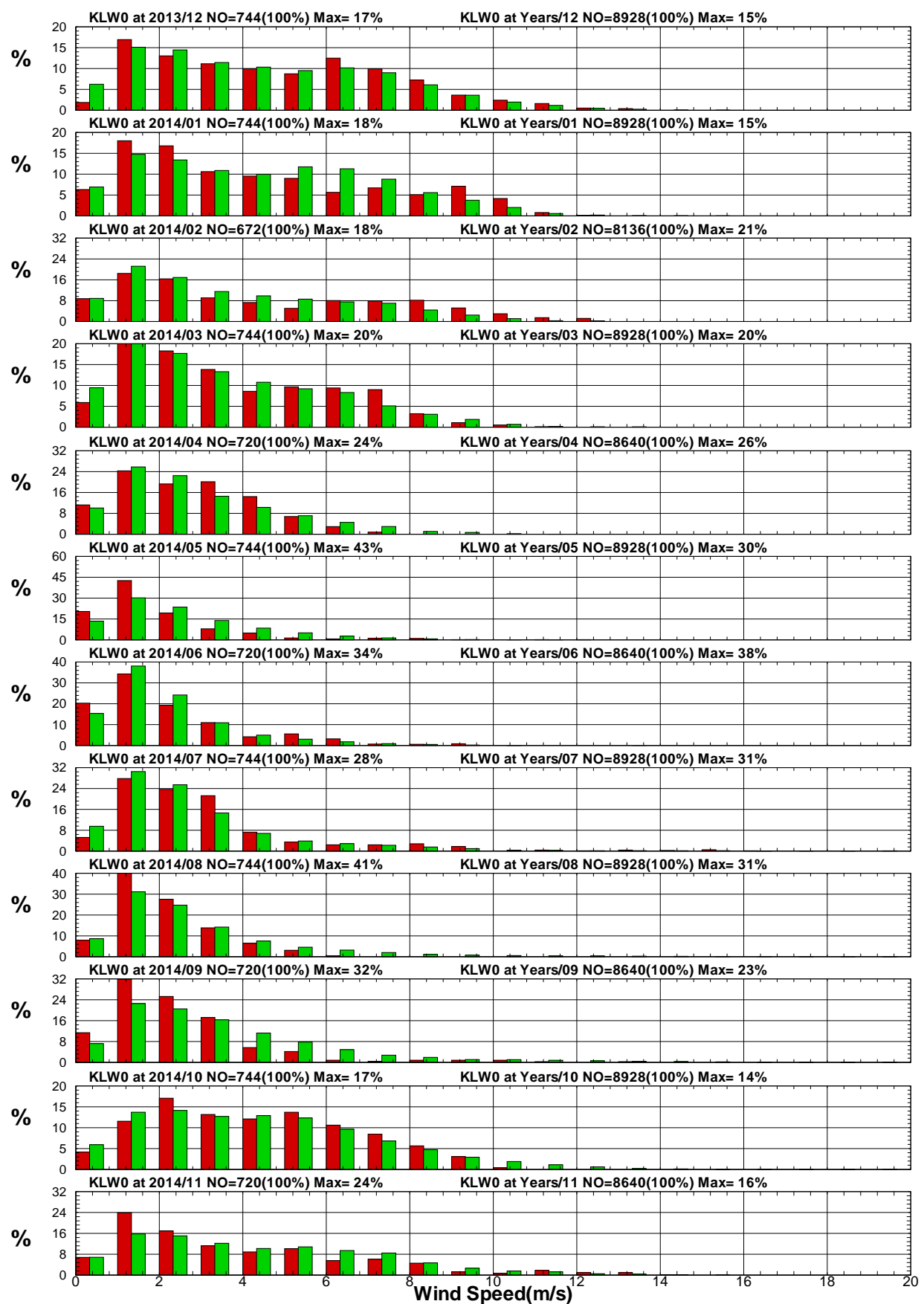


圖 1.3.4a 2014年及歷年基隆港域每月測站 W 風速統計方塊圖

W13CKLW0.ISQ W141KLW0.ISQ W142KLW0.ISQ W143KLW0.ISQ W144KLW0.ISQ W145KLW0.ISQ  
 W146KLW0.ISQ W147KLW0.ISQ W148KLW0.ISQ W149KLW0.ISQ W14AKLW0.ISQ W14BKLW0.ISQ

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# Histograms of Wind Speed of KLW0

█: 2014    █: Years

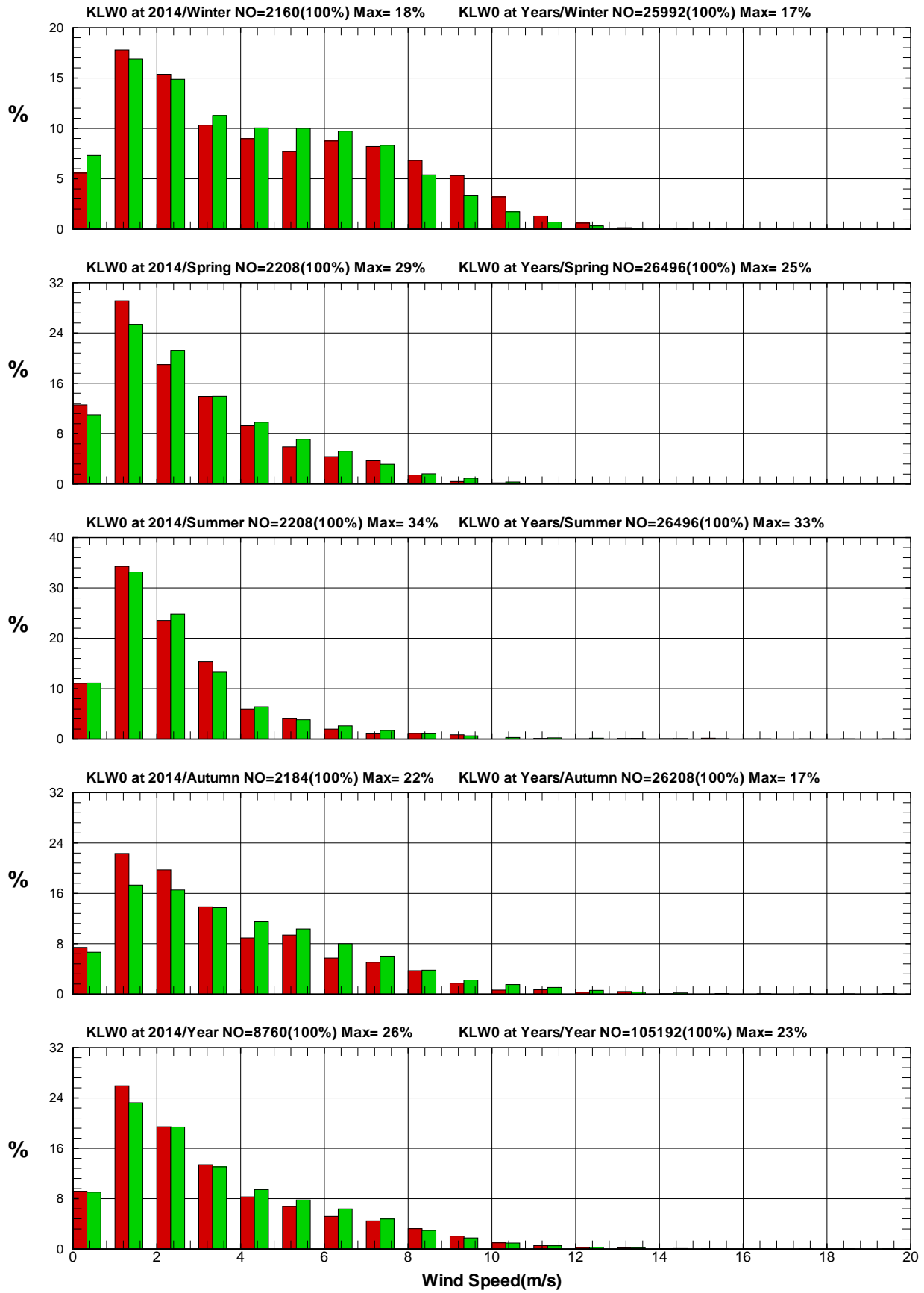


圖 1.3.4b 2014年及歷年基隆港域每季測站 W 風速統計方塊圖

W14WKLW0.ISQ W14NKLW0.ISQ W14SKLW0.ISQ W14FKLW0.ISQ W14OKLW0.ISQ

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# Histograms of Wind Direction of KLW0 : 2014 : Years

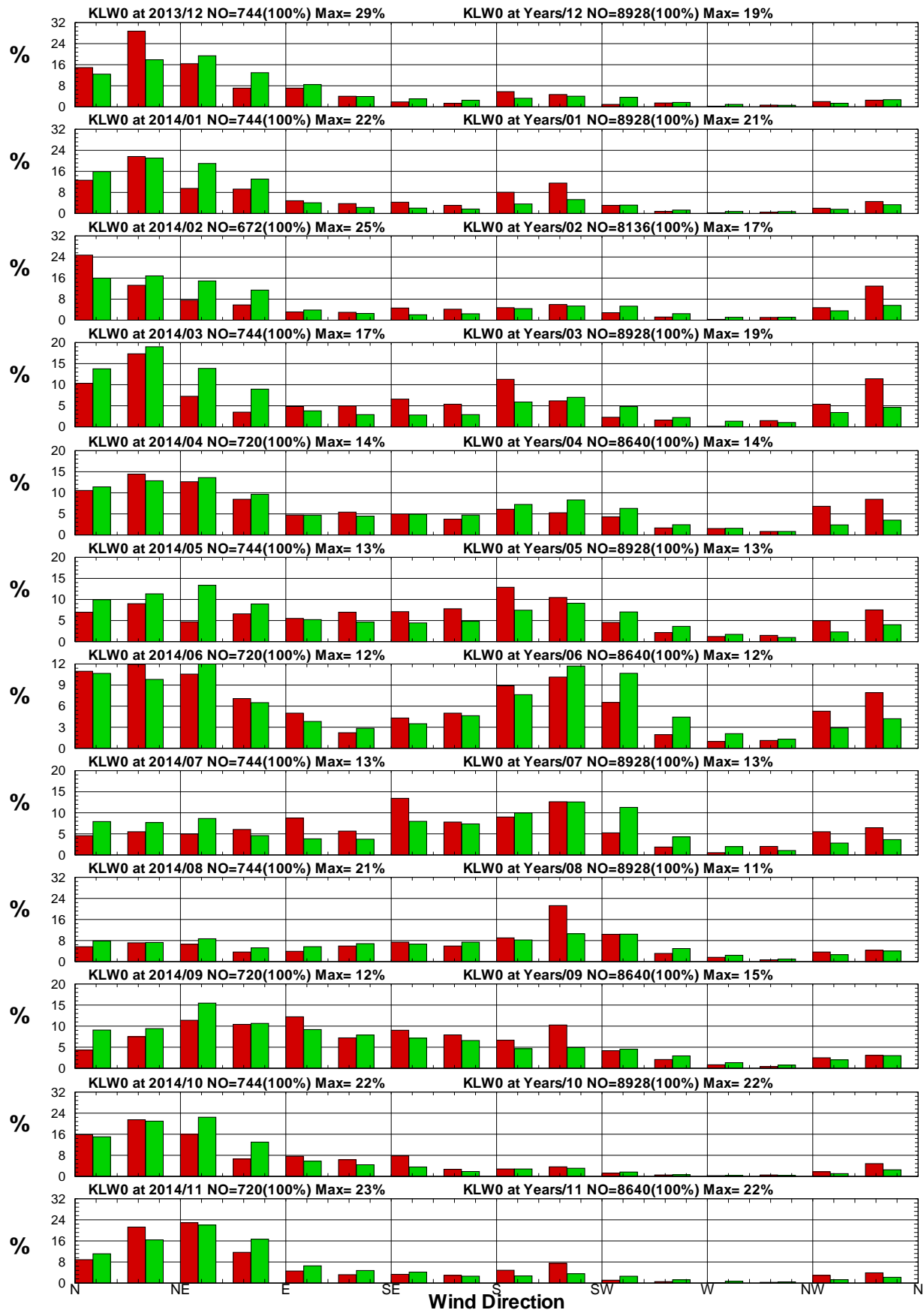


圖 1.3.4c 2014年及歷年基隆港域每月測站 W 風向統計方塊圖

W13CKLW0.IDQ W141KLW0.IDQ W142KLW0.IDQ W143KLW0.IDQ W144KLW0.IDQ W145KLW0.IDQ  
 W146KLW0.IDQ W147KLW0.IDQ W148KLW0.IDQ W149KLW0.IDQ W14AKLW0.IDQ W14BKLW0.IDQ

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# Histograms of Wind Direction of KLW0 █: 2014 █: Years

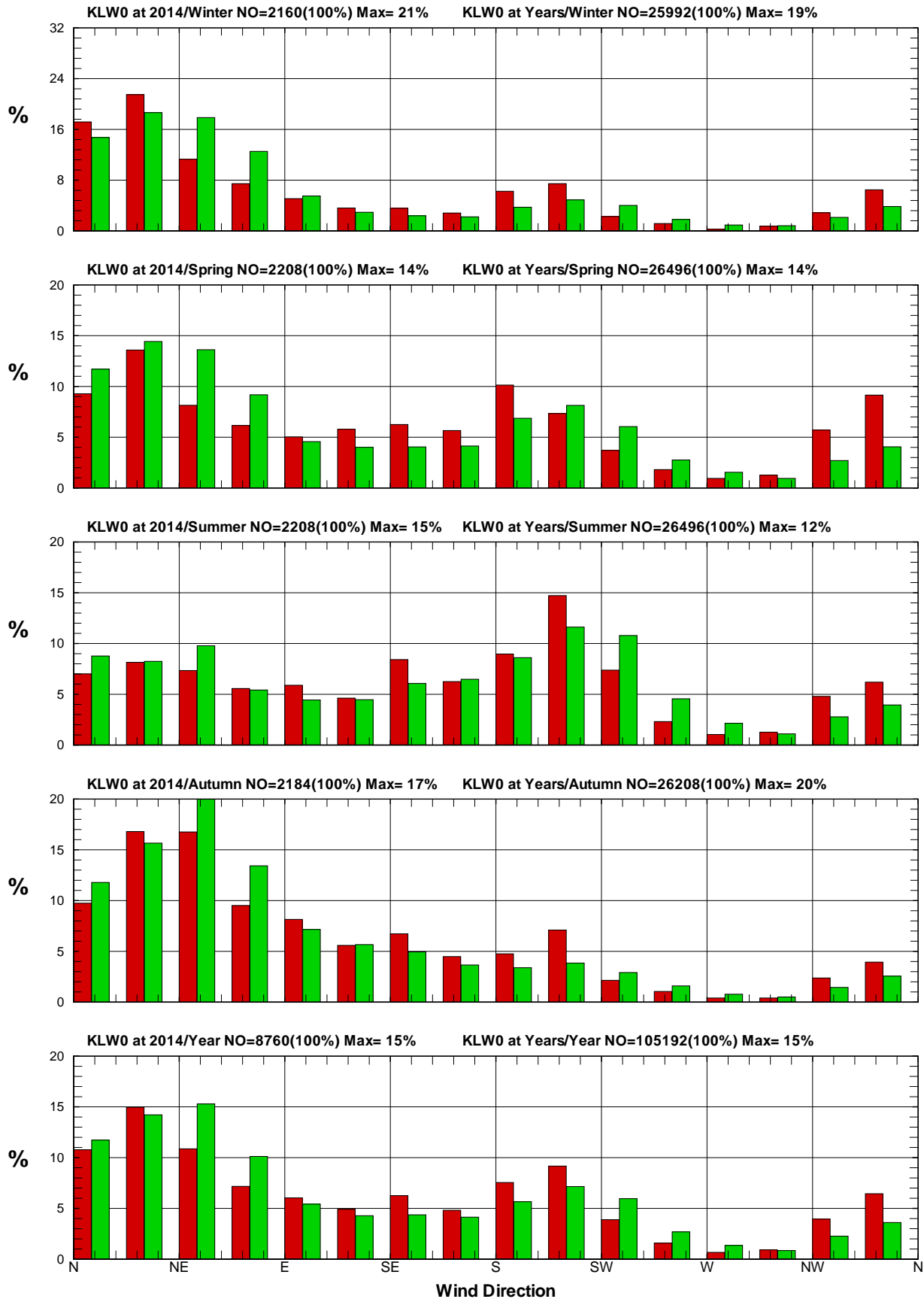


圖 1.3.4d 2014年及歷年基隆港域每季測站 W 風向統計方塊圖

W14WKLW0.IDQ W14NKLW0.IDQ W14SKLW0.IDQ W14FKLW0.IDQ W140KLW0.IDQ

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# Rose Diagram of Wind

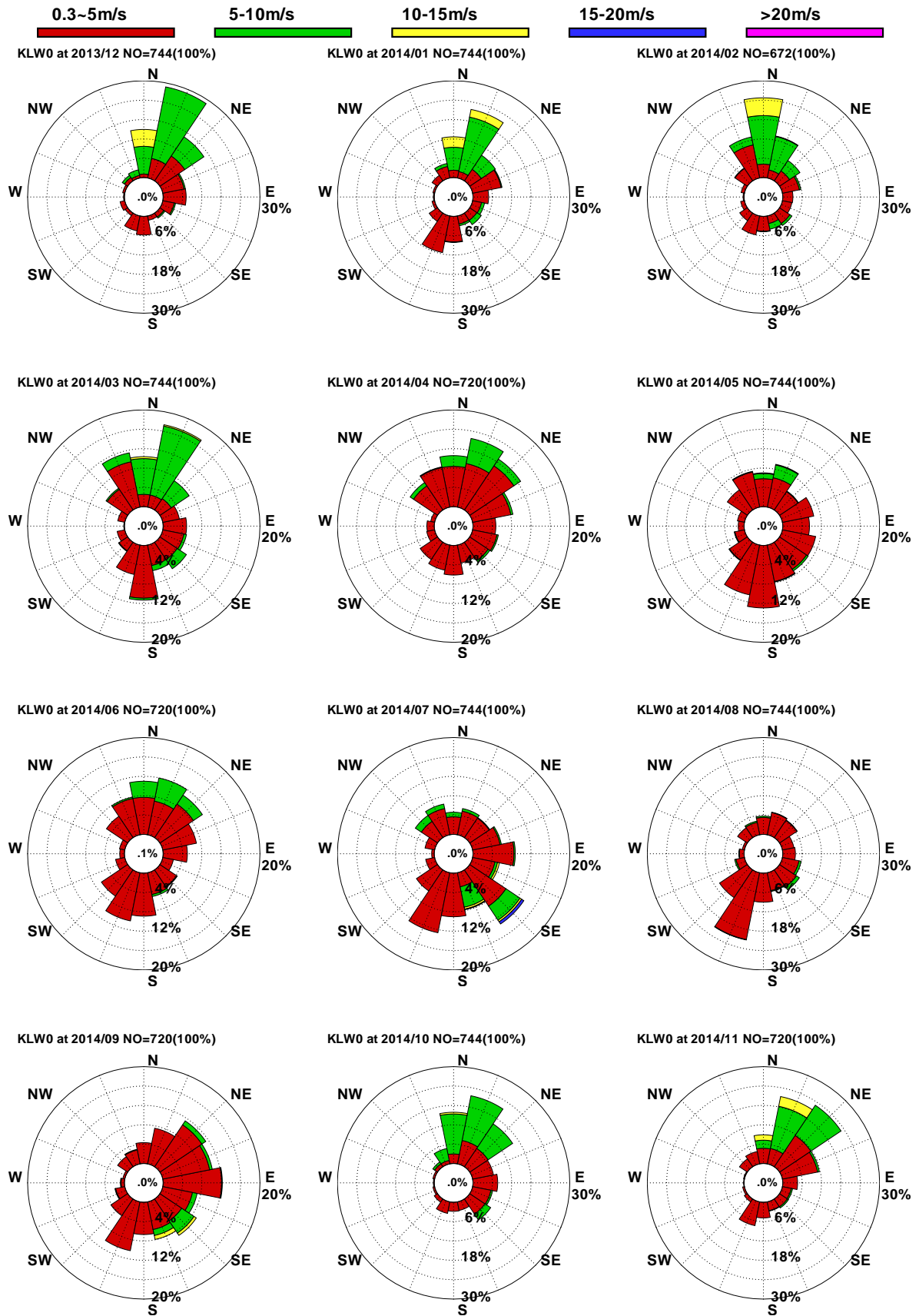


圖 1.3.5a 2014年基隆港域每月測站 W 觀測風玫瑰圖

W13CKLW0.RDB W141KLW0.RDB W142KLW0.RDB W143KLW0.RDB W144KLW0.RDB W145KLW0.RDB  
 W146KLW0.RDB W147KLW0.RDB W148KLW0.RDB W149KLW0.RDB W14AKLW0.RDB W14BKLW0.RDB

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# Rose Diagram of Wind

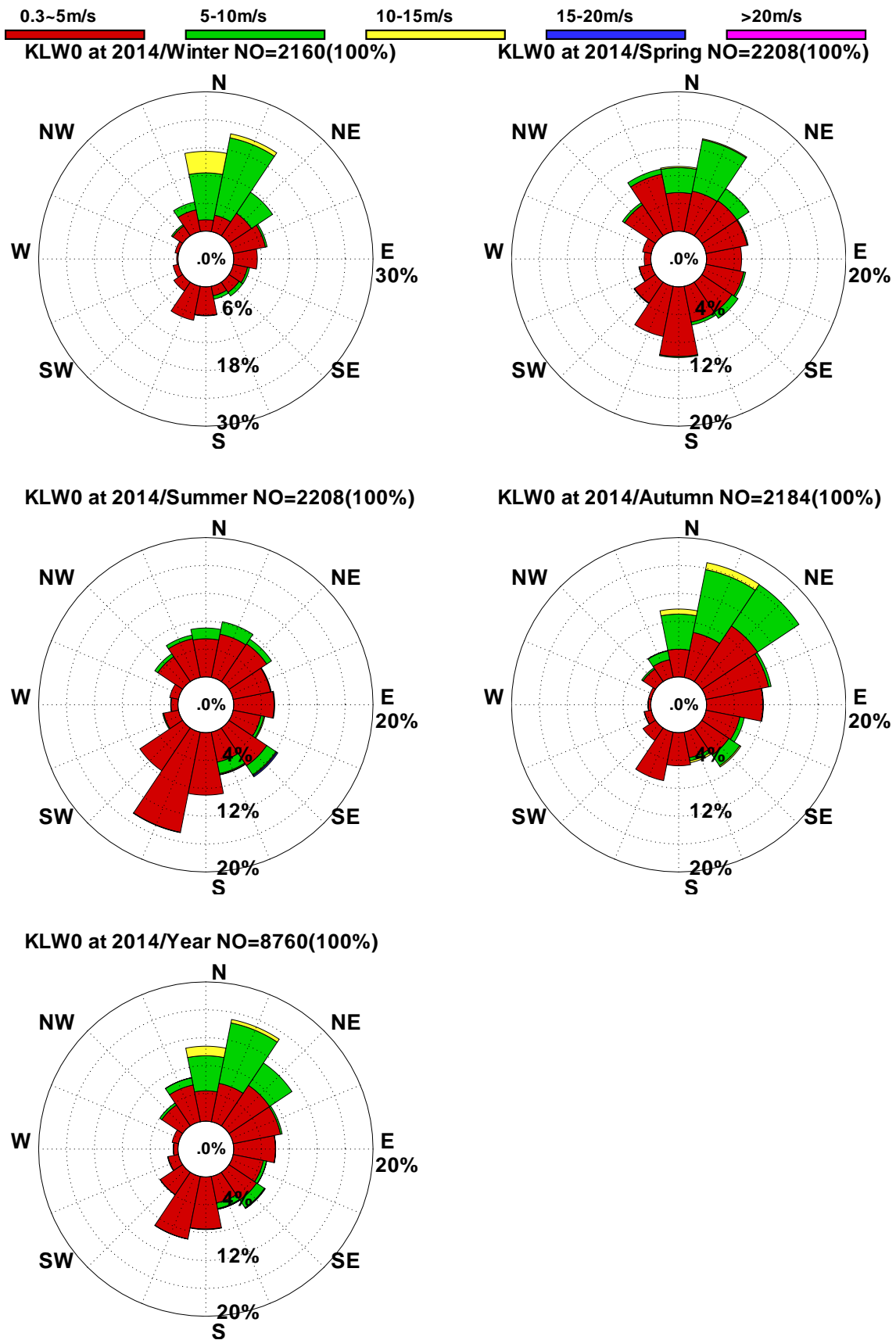


圖 1.3.5b 2014年基隆港域每季測站 W 觀測風玫瑰圖

# Rose Diagram of Wind

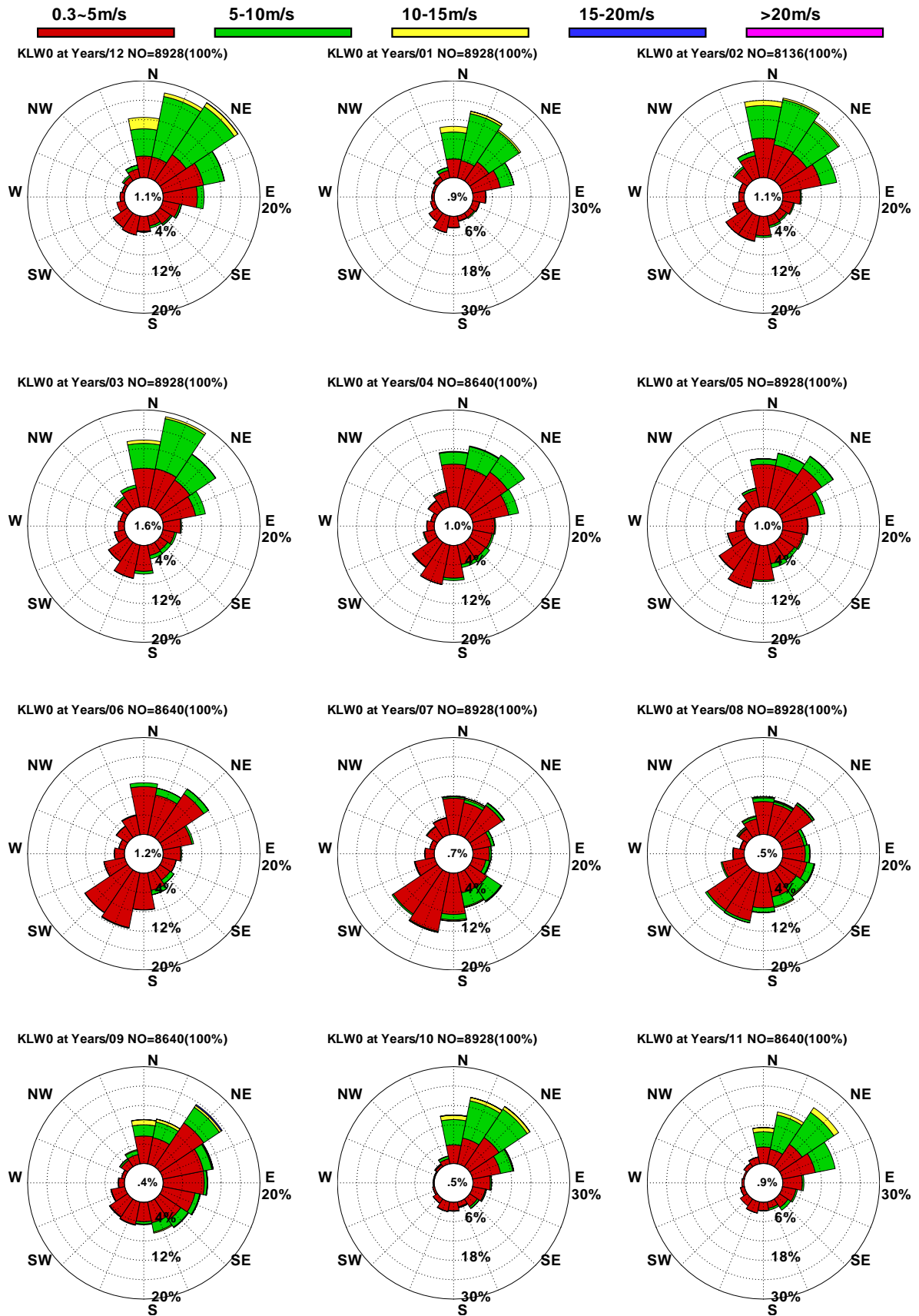


圖 1.3.5c 歷年基隆港域每月測站 W 觀測風玫瑰圖

W44CKLW0.RDB W441KLW0.RDB W442KLW0.RDB W443KLW0.RDB W444KLW0.RDB W445KLW0.RDB  
W446KLW0.RDB W447KLW0.RDB W448KLW0.RDB W449KLW0.RDB W44AKLW0.RDB W44BKLW0.RDB

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# Rose Diagram of Wind

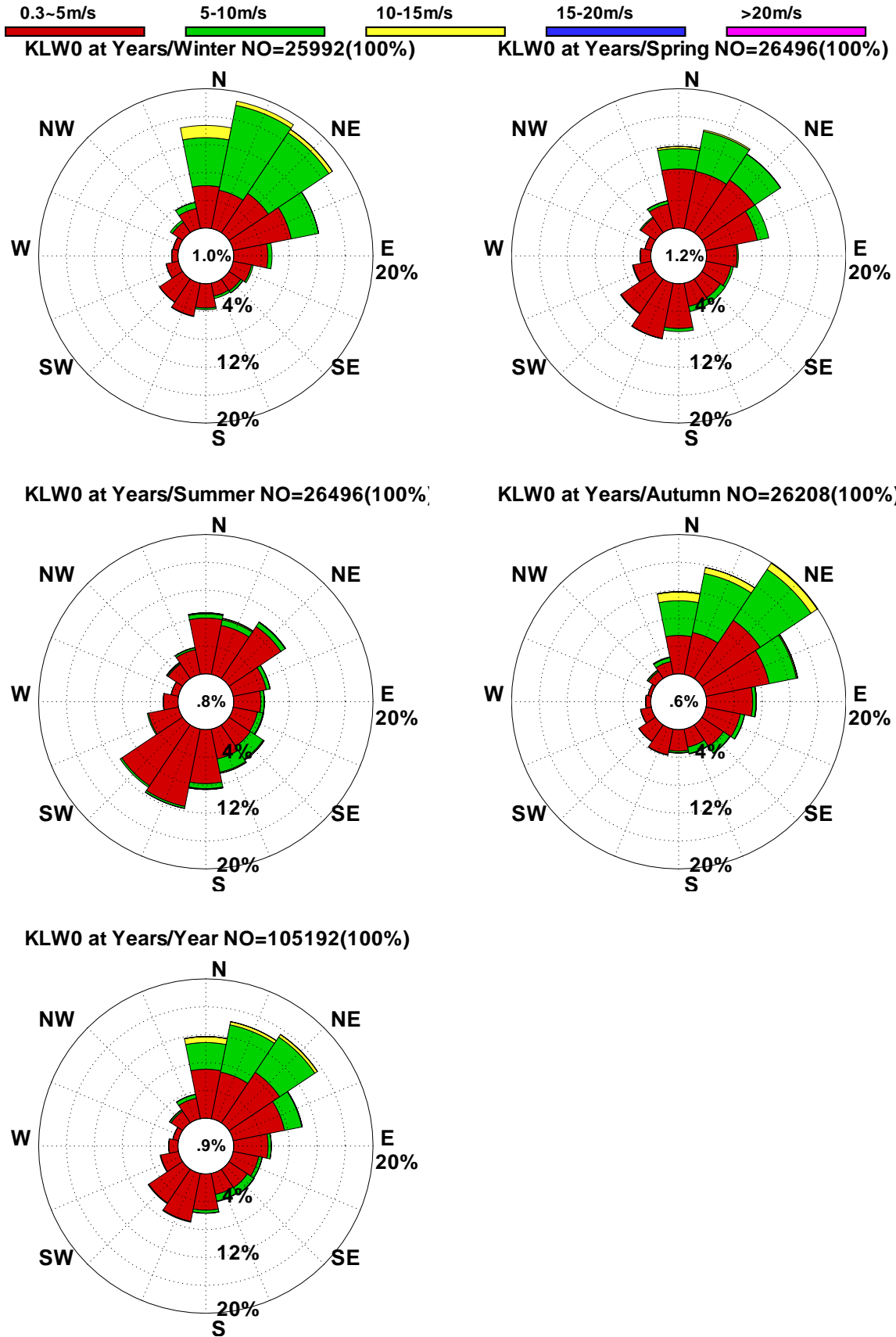


圖 1.3.5d 歷年基隆港域每季測站 W 觀測風玫瑰圖

## 第二章 2014 基隆港域觀測波浪資料統計圖表

### 2.1 基隆港域波浪觀測位置及資料蒐集處理分析

基隆港域波浪觀測，本中心(IHMT)於 2001 年 6 月安置 NORTEK 剖面海流表面波浪與潮汐之監測系統(簡稱 AWCP)，在基隆港東防波堤堤頭外水深 44m 處(測站 X0)，如附圖 2.1.1，2006 年 8 月因防波堤延伸工程，移至西防波堤堤外水深 36m 位置(測站 X1)。2011 年 8 月，再移至東防波堤堤頭北方約 200m，水深 48m(測站 X2)。

北端海域(富貴角~龍洞)包括測站 Y(龍洞外海浮標站)波浪儀屬中央氣象局(CWB)所有，測站 Z(基隆外海浮標站)波浪儀為國立臺灣海洋大學(NOTC)裝設。北端海域各測站歷年觀測波浪資料蒐集概況如表 2.1.1。

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 2.1.1 北端海域觀測波浪資料蒐集概況表(統計時間至 2014 年 11 月)

| 測站 | 緯度         | 經度          | 觀測期間                 | 觀測單位   | 備註      |
|----|------------|-------------|----------------------|--------|---------|
| X0 | 25°09'50"N | 121°45'14"E | 2001/06-2006/05      | 港研中心   | 基隆港東堤外海 |
| X1 | 25°44'58"N | 121°44'58"E | 2006/08-2011/07      | 港研中心   | 基隆港西堤外海 |
| X2 | 25°09'57"N | 121°45'17"E | 2011/08-2014/11(觀測中) | 港研中心   | 基隆港東堤外海 |
| Y  | 25°05'54"N | 121°55'22"E | 1998/09-2014/11(觀測中) | 中央氣象局  | 龍洞浮標站   |
| Z  | 25°09'17"N | 121°47'06"E | 2012/05-2014/11(觀測中) | 臺灣海洋大學 | 基隆浮標站   |

本年報以取經檢核後之 X 站資料(稱主要測站)作為波浪統計分析，2014 年及歷年每月觀測之波浪資料記錄期間統計表，如表 2.1.2。

2014 年整年期間為 2013/12/01~2014/11/30，2014 年冬季期間為 2013/12/01~2014/02/29，2014 年春季期間為 2014/03/01~2014/05/30，2014 年夏季期間為 2014/06/01~2014/08/31，2014 年秋季定義期間為 2014/09/01~2014/11/30。

歷年定義期間為 2001/06/01~2014/11/30 計 14 年，歷年冬季期間定義歷年期間包括 12 月、1 月及 2 月等 3 個月份，歷年春季期間定義歷年期間包括 3 月、4 月及 5 月等 3 個月份，歷年夏季期間定義為歷年期間包括 6 月、7 月及 8 月等 3 個月份，歷年秋季期間定義為歷年期間包括 9 月、10 月及 11 月等 3 個月份。

**基隆港域波浪資料統計表如本章第三節，包括：**

1. 主要測站波浪重要物理量 2014 年及歷年分月、分季、分年之波高、週期及波向重要物理量統計表。
2. 2014 颱風期間波浪資料記錄統計表及重要物理量統計表。
3. 2014 及歷年分月、分季、分年之波高及波向(週期)分佈百分比統計表。
4. 2014 及歷年分月、分季、分年逐時波高平均值及最大值統計表。
5. 2014 及歷年分月、分季、分年每日波高平均值及最大值統計表。
6. 2014 年及歷年分月、分季、分年之波高及波向(來向)(週期)聯合分佈百分比統計表

**基隆港域波浪資料統計圖如本章第二節，包括：**

1. 主要測站波浪重要物理量 2014 年及歷年分月、分季、分年之波高、週期及波向重要物理量統計圖。
2. 2014 年及歷年分月季年之逐時波高平均值(最大值)統計圖。
3. 2014 年及歷年分月季年之每日波高平均值(最大值)統計圖。
4. 2014 年及歷年分月季年之波高、週期及波向方塊圖。
5. 2014 年及歷年分月季年之波浪玫瑰圖。

# 北端海域



圖 2.1.1 北端海域波浪觀測站位置示意圖

表 2.1.2 基隆港域波浪主要測站 2014 年及歷年觀測資料紀錄統計

| 序號 | 測站 | 檔名           | 啓止時間<br>(年、月、日、時)             | 觀測<br>天數 | 觀測<br>筆數 | 缺失<br>筆數 | 實際<br>筆數 | 資料缺失日                    |
|----|----|--------------|-------------------------------|----------|----------|----------|----------|--------------------------|
| 1  | X  | V13CKLX0.1H0 | 2013/12.01.00:~2013/12.31.23: | 31       | 744      | 0        | 744      |                          |
| 2  | X  | V141KLX0.1H0 | 2014/01.01.00:~2014/01.31.23: | 31       | 744      | 0        | 744      |                          |
| 3  | X  | V142KLX0.1H0 | 2014/02.01.00:~2014/02.28.23: | 28       | 672      | 1        | 671      | 19                       |
| 4  | X  | V143KLX0.1H0 | 2014/03.01.00:~2014/03.31.23: | 31       | 744      | 11       | 733      | 5, 9, 11, 13, 14, 16, 17 |
| 5  | X  | V144KLX0.1H0 | 2014/04.01.00:~2014/04.30.23: | 30       | 720      | 28       | 692      | 1, 2, 18, 26, 27         |
| 6  | X  | V145KLX0.1H0 | 2014/05.01.00:~2014/05.31.23: | 31       | 744      | 135      | 609      | 9, 11, 23, 26, 27        |
| 7  | X  | V146KLX0.1H0 | 2014/06.01.00:~2014/06.30.23: | 30       | 720      | 0        | 720      |                          |
| 8  | X  | V147KLX0.1H0 | 2014/07.01.00:~2014/07.31.23: | 31       | 744      | 0        | 744      |                          |
| 9  | X  | V148KLX0.1H0 | 2014/08.01.00:~2014/08.31.23: | 31       | 744      | 1        | 743      | 14                       |
| 10 | X  | V149KLX0.1H0 | 2014/09.01.00:~2014/09.30.23: | 30       | 720      | 0        | 720      |                          |
| 11 | X  | V14AKLX0.1H0 | 2014/10.01.00:~2014/10.31.23: | 31       | 744      | 0        | 744      |                          |
| 12 | X  | V14BKLX0.1H0 | 2014/11.01.00:~2014/11.30.23: | 30       | 720      | 156      | 564      | 19-25                    |
| 13 | X  | V14WKLX0.1HV | 2013/12.01.00:~2014/02.28.23: | 90       | 2160     | 1        | 2159     |                          |
| 14 | X  | V14NKLX0.1HV | 2014/03.01.00:~2014/05.31.23: | 92       | 2208     | 174      | 2034     |                          |
| 15 | X  | V14SKLX0.1HV | 2014/06.01.00:~2014/08.31.23: | 92       | 2208     | 1        | 2207     |                          |
| 16 | X  | V14FKLX0.1HV | 2014/09.01.00:~2014/11.30.23: | 91       | 2184     | 156      | 2028     |                          |
| 17 | X  | V140KLX0.1HV | 2013/12.01.00:~2014/11.30.23: | 365      | 8760     | 332      | 8428     |                          |
| 18 | X  | V44CKLX0.1HV | 2001/12.01.00:~2013/12.31.23: | 370      | 8847     | 585      | 8262     |                          |
| 19 | X  | V441KLX0.1HV | 2002/01.01.00:~2014/01.31.23: | 341      | 8170     | 380      | 7790     |                          |
| 20 | X  | V442KLX0.1HV | 2002/02.01.00:~2014/02.28.23: | 302      | 7193     | 190      | 7003     |                          |
| 21 | X  | V443KLX0.1HV | 2002/03.01.00:~2014/03.31.23: | 342      | 8175     | 100      | 8075     |                          |
| 22 | X  | V444KLX0.1HV | 2002/04.01.00:~2014/04.30.23: | 380      | 9099     | 332      | 8767     |                          |
| 23 | X  | V445KLX0.1HV | 2002/05.01.00:~2014/05.31.23: | 373      | 8929     | 529      | 8400     |                          |
| 24 | X  | V446KLX0.1HV | 2001/06.21.16:~2014/06.30.23: | 366      | 8738     | 407      | 8331     |                          |
| 25 | X  | V447KLX0.1HV | 2001/07.01.01:~2014/07.31.23: | 402      | 9589     | 329      | 9260     |                          |
| 26 | X  | V448KLX0.1HV | 2001/08.01.00:~2014/08.31.23: | 415      | 9921     | 188      | 9733     |                          |
| 27 | X  | V449KLX0.1HV | 2001/09.01.00:~2014/09.30.23: | 390      | 9346     | 232      | 9114     |                          |
| 28 | X  | V44AKLX0.1HV | 2001/10.01.00:~2014/10.31.23: | 428      | 10253    | 377      | 9876     |                          |
| 29 | X  | V44BKLX0.1HV | 2001/11.01.00:~2014/11.30.23: | 420      | 10073    | 277      | 9796     |                          |
| 30 | X  | V44WKLX0.1HV | 2001/12.01.00:~2014/02.28.23: | 1013     | 24210    | 1155     | 23055    |                          |
| 31 | X  | V44NKLX0.1HV | 2002/03.01.00:~2014/05.31.23: | 1095     | 26203    | 961      | 25242    |                          |
| 32 | X  | V44SKLX0.1HV | 2001/06.21.16:~2014/08.31.23: | 1183     | 28248    | 924      | 27324    |                          |
| 33 | X  | V44FKLX0.1HV | 2001/09.01.00:~2014/11.30.23: | 1238     | 29672    | 886      | 28786    |                          |
| 34 | X  | V440KLX0.1HV | 2001/06.21.16:~2014/11.30.23: | 4529     | 108333   | 3926     | 104407   |                          |

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## 2.2 基隆港域主要測站波浪資料統計表



表 2.2.1a 2014 年基隆港域主要測站示性波高週期及波向統計量統計表

| 年、月     | 觀測<br>點數   | $H_s$      | $T_p$      | $H_s$ 最大值              | $H_s$         | $H_s$         | $H_s$       | $H_s$       | 波向         | 波向         | 波向         | 波向         | $T_p$       | $T_p$       | $T_p$        | $T_p$       |
|---------|------------|------------|------------|------------------------|---------------|---------------|-------------|-------------|------------|------------|------------|------------|-------------|-------------|--------------|-------------|
|         |            | 平均值<br>(m) | 平均值<br>(s) | (波高/週期/波向)<br>(m/s/來向) | < 0.5m<br>(%) | 0.5~1m<br>(%) | 1~5m<br>(%) | >5 m<br>(%) | N~E<br>(%) | E~S<br>(%) | S~W<br>(%) | W~N<br>(%) | < 6s<br>(%) | 6~8s<br>(%) | 8~10s<br>(%) | >10s<br>(%) |
| 2013/12 | 744(100%)  | 1.99       | 8.0        | 4.89/ 10.8/NNE         | 3.6           | 17.2          | 79.2        | .0          | 100.0      | .0         | .0         | .0         | 12.5        | 33.3        | 44.2         | 9.9         |
| 2014/01 | 744(100%)  | 1.59       | 7.8        | 4.36/ 9.2/NNE          | 5.9           | 31.7          | 62.4        | .0          | 99.7       | .0         | .0         | .3         | 11.3        | 37.0        | 49.1         | 2.7         |
| 2014/02 | 671(100%)  | 1.93       | 8.4        | 5.12/ 10.8/NNE         | 3.9           | 22.4          | 73.6        | .1          | 100.0      | .0         | .0         | .0         | 6.4         | 32.2        | 49.0         | 12.4        |
| 2014/03 | 733( 99%)  | 1.37       | 7.6        | 4.22/ 9.6/NNE          | 16.4          | 32.6          | 51.0        | .0          | 100.0      | .0         | .0         | .0         | 18.1        | 32.1        | 46.4         | 3.4         |
| 2014/04 | 692( 96%)  | 1.05       | 7.6        | 2.25/ 7.3/SSW          | 8.8           | 40.6          | 50.6        | .0          | 2.7        | .1         | 97.1       | .0         | 22.0        | 35.5        | 34.2         | 8.2         |
| 2014/05 | 609( 82%)  | .80        | 7.1        | 3.60/ 8.2/N            | 27.6          | 54.7          | 17.7        | .0          | 87.8       | .0         | 11.3       | .8         | 19.5        | 57.3        | 19.9         | 3.3         |
| 2014/06 | 720(100%)  | .66        | 6.6        | 2.90/ 7.9/N            | 50.3          | 33.5          | 16.3        | .0          | 96.9       | .0         | .0         | 3.1        | 30.1        | 56.1        | 12.5         | 1.3         |
| 2014/07 | 744(100%)  | .65        | 6.8        | 3.56/ 12.8/NE          | 62.4          | 21.0          | 16.7        | .0          | 99.5       | .0         | .0         | .5         | 41.5        | 30.6        | 22.8         | 5.0         |
| 2014/08 | 743(100%)  | .52        | 7.9        | 1.93/ 7.6/NNE          | 58.1          | 34.6          | 7.3         | .0          | 98.4       | .3         | .0         | 1.3        | 17.6        | 40.6        | 22.7         | 19.0        |
| 2014/09 | 720(100%)  | .72        | 7.5        | 2.73/ 9.5/NNE          | 36.4          | 46.1          | 17.5        | .0          | 97.2       | .0         | .0         | 2.8        | 18.3        | 48.6        | 21.7         | 11.4        |
| 2014/10 | 744(100%)  | 1.83       | 8.5        | 5.22/ 12.8/NE          | 1.2           | 24.5          | 74.1        | .3          | 100.0      | .0         | .0         | .0         | 7.3         | 35.6        | 39.1         | 18.0        |
| 2014/11 | 564( 78%)  | 1.67       | 7.8        | 5.49/ 10.1/N           | .0            | 19.9          | 79.8        | .4          | 99.5       | .0         | .0         | .5         | 5.5         | 54.3        | 34.8         | 5.5         |
| 2014/冬  | 2159(100%) | 1.83       | 8.1        | 5.12/ 10.8/NNE         | 4.5           | 23.8          | 71.7        | .0          | 99.9       | .0         | .0         | .1         | 10.2        | 34.2        | 47.4         | 8.2         |
| 2014/春  | 2034( 92%) | 1.09       | 7.4        | 4.22/ 9.6/NNE          | 17.2          | 41.9          | 40.9        | .0          | 63.2       | .0         | 36.6       | .2         | 19.9        | 40.8        | 34.3         | 5.0         |
| 2014/夏  | 2207(100%) | .61        | 7.1        | 3.56/ 12.8/NE          | 57.0          | 29.6          | 13.4        | .0          | 98.3       | .1         | .0         | 1.6        | 29.8        | 42.3        | 19.4         | 8.5         |
| 2014/秋  | 2028( 93%) | 1.39       | 8.0        | 5.49/ 10.1/N           | 13.4          | 30.9          | 55.6        | .2          | 98.9       | .0         | .0         | 1.1        | 10.7        | 45.4        | 31.7         | 12.2        |
| 2014/年  | 8428( 96%) | 1.23       | 7.6        | 5.49/ 10.1/N           | 23.4          | 31.4          | 45.1        | .1          | 90.3       | .0         | 8.8        | .8         | 17.8        | 40.6        | 33.1         | 8.5         |

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表 2.2.1b 歷年基隆港域主要測站示性波高週期及波向統計量統計表

| 年、月   | 觀測點數         | $H_s$   | $T_p$   | $H_s$ 最大值              | $H_s$      | $H_s$      | $H_s$    | $H_s$    | 波向      | 波向      | 波向      | 波向      | $T_p$    | $T_p$    | $T_p$     | $T_p$    |
|-------|--------------|---------|---------|------------------------|------------|------------|----------|----------|---------|---------|---------|---------|----------|----------|-----------|----------|
|       |              | 平均值 (m) | 平均值 (s) | (波高/週期/波向)<br>(m/s/來向) | < 0.5m (%) | 0.5~1m (%) | 1~5m (%) | >5 m (%) | N~E (%) | E~S (%) | S~W (%) | W~N (%) | < 6s (%) | 6~8s (%) | 8~10s (%) | >10s (%) |
| 歷年/01 | 7790( 95%)   | 1.76    | 7.6     | 8.14/ 10.1/WSW         | 3.3        | 20.6       | 75.8     | .2       | 94.7    | 1.8     | 1.2     | 2.3     | 9.7      | 48.6     | 38.9      | 2.8      |
| 歷年/02 | 7003( 86%)   | 1.66    | 7.6     | 6.74/ 9.1/NNE          | 7.7        | 24.0       | 67.9     | .4       | 96.2    | 1.3     | .9      | 1.5     | 16.8     | 40.8     | 38.1      | 4.2      |
| 歷年/03 | 8075( 90%)   | 1.33    | 7.4     | 5.25/ 9.8/NNE          | 12.3       | 31.3       | 56.4     | .0       | 90.4    | .8      | 7.7     | 1.1     | 17.1     | 47.1     | 31.9      | 3.9      |
| 歷年/04 | 8767( 94%)   | 1.01    | 7.1     | 5.74/ 5.6/NNE          | 19.8       | 42.7       | 37.5     | .0       | 90.4    | 1.1     | 7.8     | .6      | 19.9     | 55.0     | 22.0      | 3.1      |
| 歷年/05 | 8400( 87%)   | .75     | 6.9     | 4.29/ 10.0/NNE         | 34.3       | 45.8       | 20.0     | .0       | 96.0    | 1.5     | 1.1     | 1.4     | 27.3     | 51.2     | 17.4      | 4.2      |
| 歷年/06 | 8331( 89%)   | .58     | 6.8     | 3.31/ 7.6/NNE          | 55.7       | 32.0       | 12.3     | .0       | 92.2    | 3.4     | .9      | 3.5     | 29.8     | 52.3     | 14.2      | 3.7      |
| 歷年/07 | 9260( 96%)   | .49     | 6.8     | 6.78/ 6.6/ENE          | 74.0       | 19.1       | 6.7      | .2       | 82.0    | 6.5     | 6.5     | 5.1     | 41.3     | 33.3     | 17.4      | 8.1      |
| 歷年/08 | 9733( 93%)   | .65     | 7.3     | 7.41/ 7.3/NNE          | 55.7       | 27.6       | 16.4     | .2       | 85.7    | 3.7     | 7.3     | 3.2     | 28.5     | 40.1     | 19.6      | 11.9     |
| 歷年/09 | 9114( 97%)   | 1.19    | 7.5     | 11.35/ 5.5/N           | 18.0       | 36.4       | 45.2     | .5       | 96.1    | 1.5     | .5      | 1.9     | 21.1     | 45.7     | 22.8      | 10.3     |
| 歷年/10 | 9876( 95%)   | 1.64    | 7.6     | 10.12/ 5.4/W           | 3.0        | 21.8       | 74.7     | .5       | 96.9    | 1.1     | .5      | 1.4     | 14.6     | 48.5     | 27.4      | 9.5      |
| 歷年/11 | 9796( 97%)   | 1.63    | 7.5     | 6.52/ 11.3/NNE         | 3.9        | 23.8       | 72.2     | .2       | 97.7    | .8      | .2      | 1.2     | 13.2     | 53.2     | 29.0      | 4.6      |
| 歷年/12 | 8262( 85%)   | 1.78    | 7.5     | 6.72/ 11.9/NNE         | 3.3        | 19.4       | 77.0     | .4       | 89.7    | 2.1     | 1.8     | 6.4     | 14.1     | 49.1     | 32.8      | 4.0      |
| 歷年/冬  | 23055( 89%)  | 1.74    | 7.6     | 8.14/ 10.1/WSW         | 4.6        | 21.2       | 73.8     | .3       | 93.4    | 1.8     | 1.4     | 3.5     | 13.4     | 46.4     | 36.5      | 3.7      |
| 歷年/春  | 25242( 90%)  | 1.02    | 7.2     | 5.74/ 5.6/NNE          | 22.2       | 40.0       | 37.7     | .0       | 92.3    | 1.2     | 5.5     | 1.1     | 21.5     | 51.2     | 23.6      | 3.7      |
| 歷年/夏  | 27324( 93%)  | .58     | 7.0     | 7.41/ 7.3/NNE          | 61.9       | 26.1       | 11.9     | .2       | 86.4    | 4.6     | 5.1     | 3.9     | 33.2     | 41.5     | 17.2      | 8.1      |
| 歷年/秋  | 28786( 96%)  | 1.49    | 7.5     | 11.35/ 5.5/N           | 8.0        | 27.1       | 64.5     | .4       | 96.9    | 1.1     | .4      | 1.5     | 16.2     | 49.2     | 26.5      | 8.1      |
| 歷年/年  | 104407( 92%) | 1.19    | 7.3     | 11.35/ 5.5/N           | 24.8       | 28.7       | 46.3     | .2       | 92.3    | 2.2     | 3.1     | 2.5     | 21.3     | 47.1     | 25.6      | 6.1      |

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表 2.2.2a 基隆港域 2014 年颱風期間波浪資料紀錄統計表

| 序號 | 颱風名稱 | 港區名稱 | 年/月     | 啓止時間<br>(日.時:~日.時) | 觀測<br>天數 | 觀測<br>筆數 | 波浪<br>筆數 |
|----|------|------|---------|--------------------|----------|----------|----------|
| 1  | 哈吉貝  | 基隆港域 | 2014/06 | 13.00:00~15.23:00  | 3        | 72       | 72       |
| 2  | 麥德姆  | 基隆港域 | 2014/07 | 21.00:00~23.23:00  | 3        | 72       | 72       |
| 3  | 鳳凰   | 基隆港域 | 2014/09 | 19.00:00~22.23:00  | 4        | 96       | 96       |

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表 2.2.2b 2014 年基隆港域颱風期間示性波高週期及波向統計量統計表

| 颱風名稱 | 颱風期間<br>(月日~月日)<br>觀測點數 | $H_s$      | $T_p$      | $H_s$ 最大值              | $H_s$         | $H_s$         | $H_s$       | $H_s$       | 波向         | 波向         | 波向         | 波向         | $T_p$       | $T_p$       | $T_p$        | $T_p$       |
|------|-------------------------|------------|------------|------------------------|---------------|---------------|-------------|-------------|------------|------------|------------|------------|-------------|-------------|--------------|-------------|
|      |                         | 平均值<br>(m) | 平均值<br>(s) | (波高/週期/波向)<br>(m/s/來向) | < 0.5m<br>(%) | 0.5~1m<br>(%) | 1~5m<br>(%) | >5 m<br>(%) | N~E<br>(%) | E~S<br>(%) | S~W<br>(%) | W~N<br>(%) | < 6s<br>(%) | 6~8s<br>(%) | 8~10s<br>(%) | >10s<br>(%) |
| 哈吉貝  | 06/13-06/15<br>72(100%) | 6.44       | 6.4        | 8.90/ 8.9/NE           | .0            | .0            | 4.2         | 95.8        | 100.0      | .0         | .0         | .0         | 43.1        | 41.7        | 15.3         | .0          |
| 麥德姆  | 07/21-07/23<br>72(100%) | 6.49       | 6.5        | 10.30/ 10.3/ENE        | .0            | .0            | 25.0        | 75.0        | 100.0      | .0         | .0         | .0         | 41.7        | 33.3        | 23.6         | 1.4         |
| 鳳凰   | 09/19-09/22<br>96(100%) | 8.03       | 8.0        | 11.00/ 11.0/NNE        | .0            | .0            | 4.2         | 95.8        | 84.4       | .0         | .0         | 15.6       | 12.5        | 22.9        | 59.4         | 5.2         |

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表 2.2.3a 2014 年及歷年基隆港域主要測站示性波高分佈百分比 (%) 統計表

| $H_s$<br>(m)<br>年、月 | 0<br>~0.5 | 0.5<br>~1 | 1<br>~1.5 | 1.5<br>~2 | 2<br>~3 | 3<br>~4 | 4<br>~5 | 5<br>~6 | 6<br>~8 | 8<br>~10 | 10<br>~12 | 12<br>~14 | 14<br>~16 | 16<br>~18 | 18<br>~20 | 20<br>~50 | 合計<br>(%) |
|---------------------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2013/12             | 3.6       | 17.2      | 17.7      | 14.0      | 29.8    | 13.2    | 4.4     | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/01             | 5.9       | 31.7      | 18.8      | 11.7      | 20.2    | 11.2    | .5      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/02             | 3.9       | 22.4      | 19.4      | 12.1      | 18.5    | 19.7    | 4.0     | .1      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/03             | 16.4      | 32.6      | 11.3      | 11.7      | 22.6    | 5.0     | .3      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/04             | 8.8       | 40.6      | 34.2      | 14.0      | 2.3     | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/05             | 27.6      | 54.7      | 7.9       | 3.9       | 4.4     | 1.5     | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/06             | 50.3      | 33.5      | 10.8      | 2.9       | 2.5     | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/07             | 62.4      | 21.0      | 8.1       | 5.0       | 1.7     | 1.9     | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/08             | 58.1      | 34.6      | 6.6       | .7        | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/09             | 36.4      | 46.1      | 10.0      | 4.3       | 3.2     | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/10             | 1.2       | 24.5      | 19.2      | 14.1      | 26.6    | 11.0    | 3.1     | .3      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/11             | .0        | 19.9      | 27.0      | 28.0      | 17.9    | 5.9     | 1.1     | .4      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/冬              | 4.5       | 23.8      | 18.6      | 12.6      | 23.0    | 14.5    | 3.0     | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/春              | 17.2      | 41.9      | 18.1      | 10.2      | 10.3    | 2.3     | .1      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/夏              | 57.0      | 29.6      | 8.5       | 2.9       | 1.4     | .6      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/秋              | 13.4      | 30.9      | 18.1      | 14.5      | 15.9    | 5.7     | 1.4     | .2      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 2014/年              | 23.4      | 31.4      | 15.7      | 9.9       | 12.6    | 5.8     | 1.1     | .1      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/12               | 3.3       | 19.4      | 21.4      | 19.4      | 25.9    | 8.3     | 1.9     | .3      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/01               | 3.3       | 20.6      | 18.5      | 19.1      | 29.4    | 7.8     | .9      | .1      | .1      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/02               | 7.7       | 24.0      | 17.7      | 17.4      | 23.0    | 8.1     | 1.6     | .4      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/03               | 12.3      | 31.3      | 19.9      | 16.5      | 15.5    | 3.8     | .6      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/04               | 19.8      | 42.7      | 19.0      | 9.8       | 7.2     | 1.3     | .2      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/05               | 34.3      | 45.7      | 13.2      | 4.1       | 2.3     | .3      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/06               | 55.6      | 32.0      | 9.0       | 2.4       | .9      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/07               | 73.9      | 19.1      | 3.7       | 1.5       | .9      | .3      | .3      | .2      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/08               | 55.7      | 27.6      | 10.0      | 3.3       | 1.9     | .7      | .4      | .2      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/09               | 18.0      | 36.4      | 20.5      | 10.8      | 8.7     | 4.0     | 1.0     | .3      | .1      | .1       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/10               | 3.0       | 21.8      | 26.9      | 21.8      | 18.7    | 5.0     | 2.3     | .3      | .1      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/11               | 3.9       | 23.8      | 23.7      | 19.5      | 20.8    | 7.0     | 1.2     | .2      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/冬                | 4.6       | 21.2      | 19.3      | 18.7      | 26.2    | 8.1     | 1.5     | .3      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/春                | 22.2      | 40.0      | 17.4      | 10.1      | 8.2     | 1.8     | .3      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/夏                | 61.9      | 26.1      | 7.6       | 2.4       | 1.3     | .4      | .3      | .1      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/秋                | 8.0       | 27.1      | 23.8      | 17.6      | 16.2    | 5.4     | 1.5     | .3      | .1      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |
| 歷年/年                | 24.8      | 28.7      | 17.0      | 12.0      | 12.6    | 3.8     | .9      | .2      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | 100.      |

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表 2.2.3b 2014年及歷年基隆港域主要測站波向分佈百分比 (%) 統計表

| 波向<br>年、月 | N    | NNE  | NE   | ENE  | E   | ESE | SE  | SSE | S  | SSW  | SW   | WSW  | W   | WNW | NW  | NNW | 合計<br>(%) |
|-----------|------|------|------|------|-----|-----|-----|-----|----|------|------|------|-----|-----|-----|-----|-----------|
| 2013/12   | 2.3  | 59.1 | 30.8 | 7.8  | .0  | .0  | .0  | .0  | .0 | .0   | .0   | .0   | .0  | .0  | .0  | .0  | 100.      |
| 2014/01   | 4.2  | 58.1 | 32.1 | 5.6  | .0  | .0  | .0  | .0  | .0 | .0   | .0   | .0   | .0  | .0  | .0  | .0  | 100.      |
| 2014/02   | 1.6  | 60.5 | 34.1 | 3.7  | .0  | .0  | .0  | .0  | .0 | .0   | .0   | .0   | .0  | .0  | .0  | .0  | 100.      |
| 2014/03   | 2.3  | 41.7 | 38.7 | 17.2 | .0  | .0  | .0  | .0  | .0 | .0   | .0   | .0   | .0  | .0  | .0  | .0  | 100.      |
| 2014/04   | 1.2  | .6   | .4   | .0   | .0  | .0  | .0  | .0  | .9 | 22.3 | 59.7 | 15.0 | .0  | .0  | .0  | .0  | 100.      |
| 2014/05   | 1.5  | 12.6 | 48.8 | 24.0 | 1.3 | .0  | .0  | .0  | .0 | .0   | 9.9  | 1.5  | .0  | .2  | .0  | .3  | 100.      |
| 2014/06   | 8.5  | 37.1 | 47.6 | 5.8  | .1  | .0  | .0  | .0  | .0 | .0   | .0   | .0   | .0  | .0  | .0  | .8  | 100.      |
| 2014/07   | 2.3  | 27.7 | 50.9 | 18.5 | .3  | .0  | .0  | .0  | .0 | .0   | .0   | .0   | .0  | .0  | .0  | .3  | 100.      |
| 2014/08   | 5.7  | 40.1 | 44.1 | 9.3  | .1  | .0  | .1  | .0  | .0 | .0   | .0   | .0   | .0  | .0  | .0  | .5  | 100.      |
| 2014/09   | 10.6 | 40.4 | 45.8 | 2.9  | .0  | .0  | .0  | .0  | .0 | .0   | .0   | .0   | .0  | .0  | .0  | .3  | 100.      |
| 2014/10   | 4.6  | 66.1 | 25.7 | 3.6  | .0  | .0  | .0  | .0  | .0 | .0   | .0   | .0   | .0  | .0  | .0  | .0  | 100.      |
| 2014/11   | 6.7  | 52.0 | 34.4 | 6.9  | .0  | .0  | .0  | .0  | .0 | .0   | .0   | .0   | .0  | .0  | .0  | .0  | 100.      |
| 2014/冬    | 2.7  | 59.2 | 32.3 | 5.8  | .0  | .0  | .0  | .0  | .0 | .0   | .0   | .0   | .0  | .0  | .0  | .0  | 100.      |
| 2014/春    | 1.7  | 19.0 | 28.7 | 13.4 | .4  | .0  | .0  | .0  | .3 | 7.6  | 23.3 | 5.6  | .0  | .0  | .0  | .1  | 100.      |
| 2014/夏    | 5.4  | 34.9 | 47.6 | 11.3 | .2  | .0  | .0  | .0  | .0 | .0   | .0   | .0   | .0  | .0  | .0  | .5  | 100.      |
| 2014/秋    | 7.3  | 53.1 | 35.3 | 4.3  | .0  | .0  | .0  | .0  | .0 | .0   | .0   | .0   | .0  | .0  | .0  | .1  | 100.      |
| 2014/年    | 4.3  | 41.7 | 36.1 | 8.7  | .1  | .0  | .0  | .0  | .1 | 1.8  | 5.6  | 1.3  | .0  | .0  | .0  | .2  | 100.      |
| 歷年/12     | 7.3  | 45.3 | 33.1 | 6.3  | 1.0 | .5  | .5  | .6  | .4 | .4   | .4   | .5   | .5  | .5  | .8  | 2.0 | 100.      |
| 歷年/01     | 5.6  | 52.9 | 31.3 | 5.2  | 1.2 | .6  | .3  | .3  | .2 | .3   | .4   | .3   | .3  | .2  | .3  | .5  | 100.      |
| 歷年/02     | 3.4  | 52.4 | 33.4 | 6.7  | 1.0 | .4  | .3  | .2  | .2 | .1   | .4   | .3   | .2  | .3  | .2  | .3  | 100.      |
| 歷年/03     | 3.4  | 40.1 | 34.2 | 11.7 | 1.5 | .2  | .1  | .2  | .3 | 2.4  | 3.3  | 1.4  | .6  | .2  | .2  | .1  | 100.      |
| 歷年/04     | 1.8  | 28.0 | 41.5 | 17.5 | 2.4 | .3  | .2  | .1  | .1 | 1.8  | 4.8  | 1.2  | .0  | .0  | .1  | .2  | 100.      |
| 歷年/05     | 2.7  | 21.7 | 50.9 | 19.2 | 2.8 | .5  | .2  | .1  | .1 | .1   | .8   | .1   | .0  | .1  | .2  | .4  | 100.      |
| 歷年/06     | 4.9  | 26.9 | 42.8 | 16.5 | 3.8 | .9  | .6  | .5  | .3 | .2   | .2   | .2   | .2  | .2  | .5  | 1.2 | 100.      |
| 歷年/07     | 4.5  | 17.9 | 39.1 | 18.2 | 5.7 | 2.2 | 1.0 | .9  | .7 | 1.1  | 2.1  | 2.4  | .9  | .7  | 1.0 | 1.6 | 100.      |
| 歷年/08     | 2.8  | 19.3 | 42.6 | 19.4 | 3.7 | 1.2 | .7  | .4  | .5 | 1.1  | 2.3  | 2.9  | 1.2 | .6  | .4  | .8  | 100.      |
| 歷年/09     | 3.7  | 33.0 | 46.6 | 12.0 | 2.3 | .4  | .3  | .1  | .1 | .1   | .1   | .1   | .2  | .1  | .3  | .6  | 100.      |
| 歷年/10     | 3.2  | 45.4 | 40.2 | 8.0  | 1.0 | .3  | .3  | .1  | .1 | .2   | .1   | .2   | .3  | .1  | .3  | .4  | 100.      |
| 歷年/11     | 4.0  | 47.0 | 37.8 | 8.8  | .9  | .3  | .2  | .1  | .1 | .0   | .1   | .1   | .1  | .1  | .1  | .4  | 100.      |
| 歷年/冬      | 5.6  | 50.0 | 32.6 | 6.0  | 1.1 | .5  | .4  | .4  | .3 | .3   | .4   | .4   | .3  | .3  | .5  | 1.0 | 100.      |
| 歷年/春      | 2.6  | 29.8 | 42.3 | 16.2 | 2.3 | .3  | .2  | .1  | .1 | 1.4  | 3.0  | .9   | .2  | .1  | .2  | .2  | 100.      |
| 歷年/夏      | 4.0  | 21.2 | 41.5 | 18.1 | 4.4 | 1.5 | .8  | .6  | .5 | .8   | 1.6  | 1.9  | .8  | .5  | .6  | 1.2 | 100.      |
| 歷年/秋      | 3.6  | 42.0 | 41.4 | 9.5  | 1.4 | .3  | .2  | .1  | .1 | .1   | .1   | .1   | .2  | .1  | .2  | .4  | 100.      |
| 歷年/年      | 3.9  | 35.4 | 39.7 | 12.6 | 2.3 | .7  | .4  | .3  | .3 | .7   | 1.3  | .8   | .4  | .3  | .4  | .7  | 100.      |

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表 2.2.3c 2014 年及歷年基隆港域主要測站示性週期分佈百分比 (%) 統計表

| $T_p$<br>(Sec)<br>年、月 | 2<br>~3 | 3<br>~4 | 4<br>~5 | 5<br>~6 | 6<br>~7 | 7<br>~8 | 8<br>~9 | 9<br>~10 | 10<br>~12 | 12<br>~14 | 14<br>~16 | 16<br>~18 | 18<br>~20 | 20<br>~40 | 40<br>~60 | 60<br>~200 | 合計<br>(%) |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| 2013/12               | .1      | .1      | 2.2     | 10.1    | 20.2    | 13.2    | 24.6    | 19.6     | 8.6       | .3        | 1.1       | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/01               | .0      | .5      | 1.3     | 9.4     | 15.5    | 21.5    | 22.4    | 26.6     | 2.7       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/02               | .0      | .1      | .1      | 6.1     | 18.3    | 13.9    | 12.4    | 36.7     | 12.4      | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/03               | .0      | .3      | 2.2     | 15.7    | 17.5    | 14.6    | 27.7    | 18.7     | 3.4       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/04               | .1      | .4      | 3.5     | 17.9    | 11.3    | 24.3    | 20.8    | 13.4     | 8.2       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/05               | .0      | 1.6     | 4.6     | 13.3    | 28.6    | 28.7    | 12.8    | 7.1      | 3.1       | .2        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/06               | .0      | 1.5     | 7.1     | 21.5    | 31.1    | 25.0    | 9.2     | 3.3      | 1.3       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/07               | 1.6     | 4.7     | 11.8    | 23.4    | 20.4    | 10.2    | 12.9    | 9.9      | 2.4       | .1        | 1.5       | .9        | .0        | .0        | .0        | .0         | 100.      |
| 2014/08               | 1.1     | 2.6     | 4.2     | 9.8     | 16.6    | 24.1    | 12.0    | 10.8     | 12.2      | 5.2       | 1.5       | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/09               | .3      | 1.0     | 3.3     | 13.8    | 21.7    | 26.9    | 14.9    | 6.8      | 9.6       | 1.8       | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/10               | .0      | .0      | .8      | 6.5     | 16.5    | 19.1    | 20.6    | 18.5     | 11.0      | 4.2       | 2.8       | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/11               | .0      | .2      | 1.2     | 4.1     | 16.5    | 37.8    | 25.4    | 9.4      | 4.3       | 1.2       | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/冬                | .0      | .3      | 1.3     | 8.6     | 18.0    | 16.3    | 20.1    | 27.3     | 7.7       | .1        | .4        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/春                | .0      | .7      | 3.3     | 15.7    | 18.7    | 22.1    | 20.9    | 13.4     | 5.0       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/夏                | .9      | 2.9     | 7.7     | 18.2    | 22.6    | 19.7    | 11.4    | 8.1      | 5.3       | 1.8       | 1.0       | .3        | .0        | .0        | .0        | .0         | 100.      |
| 2014/秋                | .1      | .4      | 1.8     | 8.4     | 18.3    | 27.1    | 19.9    | 11.8     | 8.6       | 2.5       | 1.0       | .0        | .0        | .0        | .0        | .0         | 100.      |
| 2014/年                | .3      | 1.1     | 3.6     | 12.8    | 19.4    | 21.2    | 17.9    | 15.2     | 6.7       | 1.1       | .6        | .1        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/12                 | .0      | .2      | 2.3     | 11.6    | 22.7    | 26.5    | 18.7    | 14.1     | 3.8       | .1        | .1        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/01                 | .0      | .1      | 1.0     | 8.5     | 24.7    | 23.9    | 22.7    | 16.3     | 2.8       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/02                 | .0      | .1      | .6      | 16.1    | 17.8    | 23.0    | 20.7    | 17.4     | 4.0       | .2        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/03                 | .0      | .5      | 1.2     | 15.4    | 23.0    | 24.1    | 19.1    | 12.9     | 3.8       | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/04                 | .1      | .5      | 2.0     | 17.3    | 29.8    | 25.2    | 15.2    | 6.8      | 3.0       | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/05                 | .1      | 1.1     | 3.3     | 22.7    | 30.2    | 21.1    | 10.3    | 7.0      | 3.9       | .3        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/06                 | .1      | 1.2     | 3.7     | 24.8    | 32.5    | 19.7    | 9.0     | 5.2      | 3.2       | .4        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/07                 | .9      | 3.7     | 9.1     | 27.5    | 21.8    | 11.4    | 8.9     | 8.4      | 6.0       | 1.2       | .7        | .1        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/08                 | .6      | 2.4     | 4.9     | 20.7    | 24.9    | 15.1    | 11.4    | 8.2      | 8.4       | 3.2       | .3        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/09                 | .1      | .9      | 2.1     | 18.0    | 24.0    | 21.7    | 13.9    | 8.9      | 6.7       | 2.6       | .5        | .5        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/10                 | .0      | .2      | .8      | 13.6    | 24.2    | 24.3    | 17.2    | 10.3     | 7.6       | 1.5       | .3        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/11                 | .0      | .3      | 1.1     | 11.9    | 26.3    | 26.9    | 18.7    | 10.3     | 4.0       | .6        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/冬                  | .0      | .1      | 1.3     | 11.9    | 21.9    | 24.5    | 20.7    | 15.8     | 3.5       | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/春                  | .1      | .7      | 2.2     | 18.5    | 27.7    | 23.5    | 14.8    | 8.8      | 3.6       | .2        | .0        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/夏                  | .5      | 2.5     | 6.0     | 24.2    | 26.2    | 15.3    | 9.8     | 7.4      | 6.0       | 1.7       | .4        | .0        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/秋                  | .0      | .5      | 1.3     | 14.4    | 24.9    | 24.3    | 16.7    | 9.8      | 6.1       | 1.5       | .3        | .2        | .0        | .0        | .0        | .0         | 100.      |
| 歷年/年                  | .2      | 1.0     | 2.7     | 17.4    | 25.3    | 21.8    | 15.3    | 10.3     | 4.9       | .9        | .2        | .1        | .0        | .0        | .0        | .0         | 100.      |

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港灣技術研究中心

表2.2.4a 2014年基隆港域主要測站逐時示性波高平均值統計表

| 時<br>年、月 | 0時   | 1時   | 2時   | 3時   | 4時   | 5時   | 6時   | 7時   | 8時   | 9時   | 10時  | 11時  | 12時  | 13時  | 14時  | 15時  | 16時  | 17時  | 18時  | 19時  | 20時  | 21時  | 22時  | 23時  |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2013/12  | 2.05 | 1.99 | 1.96 | 1.98 | 1.95 | 1.97 | 1.97 | 1.99 | 2.01 | 2.01 | 2.07 | 2.00 | 1.98 | 1.95 | 1.95 | 1.94 | 1.89 | 1.97 | 1.99 | 2.00 | 2.06 | 2.06 | 2.07 | 2.04 |
| 2014/01  | 1.62 | 1.62 | 1.55 | 1.53 | 1.54 | 1.56 | 1.55 | 1.58 | 1.58 | 1.60 | 1.60 | 1.62 | 1.59 | 1.62 | 1.55 | 1.52 | 1.59 | 1.60 | 1.60 | 1.59 | 1.61 | 1.61 | 1.62 | 1.62 |
| 2014/02  | 1.97 | 2.04 | 2.03 | 2.00 | 1.96 | 1.95 | 1.94 | 1.92 | 1.95 | 1.98 | 1.95 | 1.96 | 1.99 | 1.94 | 1.89 | 1.88 | 1.78 | 1.80 | 1.85 | 1.83 | 1.91 | 1.90 | 2.01 | 2.00 |
| 2014/03  | 1.31 | 1.35 | 1.41 | 1.46 | 1.43 | 1.38 | 1.40 | 1.34 | 1.35 | 1.36 | 1.36 | 1.42 | 1.41 | 1.40 | 1.39 | 1.44 | 1.46 | 1.35 | 1.40 | 1.36 | 1.32 | 1.26 | 1.29 | 1.29 |
| 2014/04  | .99  | .98  | 1.01 | 1.05 | 1.08 | 1.08 | 1.04 | 1.04 | 1.06 | 1.08 | 1.11 | 1.09 | 1.04 | 1.05 | 1.07 | 1.04 | 1.09 | 1.07 | 1.03 | 1.03 | 1.05 | 1.07 | 1.05 | 1.01 |
| 2014/05  | .75  | .83  | .86  | .83  | .90  | .92  | .82  | .77  | .79  | .77  | .75  | .77  | .79  | .78  | .77  | .79  | .76  | .80  | .85  | .79  | .78  | .78  | .79  | .80  |
| 2014/06  | .68  | .67  | .67  | .66  | .63  | .67  | .66  | .67  | .67  | .66  | .66  | .65  | .66  | .65  | .66  | .66  | .67  | .64  | .63  | .61  | .63  | .64  | .67  | .67  |
| 2014/07  | .61  | .60  | .59  | .59  | .59  | .61  | .63  | .63  | .65  | .67  | .68  | .67  | .66  | .65  | .65  | .64  | .68  | .65  | .65  | .68  | .69  | .69  | .69  | .69  |
| 2014/08  | .50  | .53  | .53  | .53  | .53  | .51  | .52  | .51  | .50  | .51  | .52  | .53  | .52  | .55  | .56  | .55  | .53  | .54  | .54  | .53  | .52  | .51  | .49  | .48  |
| 2014/09  | .75  | .72  | .71  | .69  | .67  | .69  | .68  | .69  | .69  | .70  | .72  | .73  | .71  | .72  | .71  | .70  | .72  | .72  | .71  | .73  | .74  | .75  | .76  | .78  |
| 2014/10  | 1.83 | 1.85 | 1.86 | 1.87 | 1.84 | 1.82 | 1.80 | 1.78 | 1.80 | 1.78 | 1.77 | 1.86 | 1.90 | 1.85 | 1.85 | 1.85 | 1.85 | 1.86 | 1.86 | 1.85 | 1.80 | 1.74 | 1.78 | 1.81 |
| 2014/11  | 1.62 | 1.64 | 1.69 | 1.64 | 1.64 | 1.65 | 1.63 | 1.68 | 1.73 | 1.63 | 1.66 | 1.66 | 1.64 | 1.65 | 1.67 | 1.68 | 1.70 | 1.65 | 1.70 | 1.69 | 1.78 | 1.78 | 1.68 | 1.69 |
| 2014/冬   | 1.88 | 1.88 | 1.84 | 1.83 | 1.81 | 1.82 | 1.81 | 1.83 | 1.84 | 1.86 | 1.87 | 1.86 | 1.85 | 1.84 | 1.79 | 1.78 | 1.75 | 1.79 | 1.81 | 1.80 | 1.86 | 1.86 | 1.90 | 1.88 |
| 2014/春   | 1.03 | 1.07 | 1.10 | 1.12 | 1.15 | 1.14 | 1.10 | 1.06 | 1.08 | 1.09 | 1.10 | 1.11 | 1.10 | 1.09 | 1.10 | 1.11 | 1.13 | 1.09 | 1.12 | 1.07 | 1.06 | 1.05 | 1.05 | 1.05 |
| 2014/夏   | .60  | .60  | .60  | .60  | .58  | .59  | .60  | .60  | .61  | .61  | .62  | .62  | .61  | .61  | .62  | .62  | .63  | .61  | .61  | .61  | .61  | .61  | .62  | .61  |
| 2014/秋   | 1.39 | 1.39 | 1.41 | 1.39 | 1.37 | 1.37 | 1.36 | 1.37 | 1.39 | 1.36 | 1.37 | 1.40 | 1.41 | 1.39 | 1.39 | 1.40 | 1.41 | 1.40 | 1.40 | 1.41 | 1.42 | 1.40 | 1.39 | 1.41 |
| 2014/年   | 1.22 | 1.23 | 1.23 | 1.23 | 1.22 | 1.23 | 1.21 | 1.21 | 1.23 | 1.23 | 1.24 | 1.24 | 1.24 | 1.23 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.23 | 1.22 | 1.23 | 1.23 | 1.24 |

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單位: m

港灣技術研究中心

表2.2.4b 歷年基隆港域主要測站逐時示性波高平均值統計表

| 時<br>年、月 | 0時   | 1時   | 2時   | 3時   | 4時   | 5時   | 6時   | 7時   | 8時   | 9時   | 10時  | 11時  | 12時  | 13時  | 14時  | 15時  | 16時  | 17時  | 18時  | 19時  | 20時  | 21時  | 22時  | 23時  |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 歷年/12    | 1.79 | 1.79 | 1.79 | 1.77 | 1.76 | 1.79 | 1.76 | 1.78 | 1.78 | 1.78 | 1.76 | 1.77 | 1.76 | 1.77 | 1.74 | 1.75 | 1.76 | 1.76 | 1.79 | 1.79 | 1.80 | 1.81 | 1.79 | 1.79 |
| 歷年/01    | 1.77 | 1.78 | 1.80 | 1.80 | 1.79 | 1.79 | 1.76 | 1.76 | 1.76 | 1.75 | 1.75 | 1.75 | 1.72 | 1.72 | 1.71 | 1.72 | 1.73 | 1.77 | 1.75 | 1.76 | 1.76 | 1.78 | 1.78 | 1.78 |
| 歷年/02    | 1.69 | 1.68 | 1.67 | 1.65 | 1.64 | 1.63 | 1.65 | 1.65 | 1.65 | 1.66 | 1.66 | 1.66 | 1.66 | 1.65 | 1.67 | 1.64 | 1.63 | 1.65 | 1.66 | 1.69 | 1.69 | 1.71 | 1.70 | 1.72 |
| 歷年/03    | 1.36 | 1.33 | 1.36 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.34 | 1.35 | 1.33 | 1.32 | 1.32 | 1.30 | 1.30 | 1.30 | 1.32 | 1.32 | 1.32 | 1.33 | 1.34 | 1.34 | 1.37 | 1.37 |
| 歷年/04    | .97  | .98  | .99  | 1.00 | .99  | 1.00 | 1.02 | 1.02 | 1.03 | 1.04 | 1.02 | 1.03 | 1.00 | .99  | 1.00 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.01 | .99  | .98  |
| 歷年/05    | .75  | .75  | .74  | .73  | .73  | .74  | .75  | .74  | .74  | .73  | .73  | .74  | .74  | .73  | .73  | .74  | .74  | .76  | .76  | .76  | .77  | .77  | .78  | .76  |
| 歷年/06    | .59  | .59  | .58  | .58  | .57  | .57  | .58  | .59  | .59  | .58  | .58  | .58  | .57  | .57  | .57  | .59  | .59  | .59  | .60  | .60  | .60  | .60  | .59  | .58  |
| 歷年/07    | .46  | .45  | .45  | .45  | .46  | .50  | .49  | .50  | .50  | .50  | .51  | .50  | .49  | .48  | .49  | .50  | .51  | .49  | .50  | .50  | .50  | .50  | .50  | .49  |
| 歷年/08    | .65  | .63  | .63  | .64  | .64  | .64  | .65  | .65  | .66  | .66  | .65  | .66  | .65  | .64  | .66  | .66  | .65  | .66  | .67  | .66  | .67  | .66  | .66  | .67  |
| 歷年/09    | 1.22 | 1.21 | 1.20 | 1.18 | 1.16 | 1.17 | 1.18 | 1.17 | 1.19 | 1.19 | 1.18 | 1.17 | 1.17 | 1.16 | 1.18 | 1.18 | 1.19 | 1.20 | 1.20 | 1.21 | 1.22 | 1.22 | 1.21 | 1.23 |
| 歷年/10    | 1.66 | 1.66 | 1.63 | 1.61 | 1.62 | 1.64 | 1.61 | 1.62 | 1.64 | 1.61 | 1.60 | 1.61 | 1.62 | 1.61 | 1.62 | 1.65 | 1.64 | 1.66 | 1.66 | 1.68 | 1.66 | 1.67 | 1.69 | 1.65 |
| 歷年/11    | 1.64 | 1.63 | 1.62 | 1.62 | 1.60 | 1.62 | 1.62 | 1.60 | 1.59 | 1.61 | 1.59 | 1.61 | 1.61 | 1.62 | 1.62 | 1.62 | 1.64 | 1.66 | 1.66 | 1.67 | 1.68 | 1.69 | 1.67 | 1.67 |
| 歷年/冬     | 1.75 | 1.75 | 1.76 | 1.74 | 1.73 | 1.74 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.72 | 1.71 | 1.71 | 1.71 | 1.71 | 1.73 | 1.74 | 1.75 | 1.75 | 1.77 | 1.76 | 1.76 |
| 歷年/春     | 1.02 | 1.01 | 1.02 | 1.02 | 1.02 | 1.02 | 1.03 | 1.03 | 1.03 | 1.04 | 1.02 | 1.03 | 1.02 | 1.00 | 1.01 | 1.02 | 1.02 | 1.03 | 1.03 | 1.03 | 1.04 | 1.04 | 1.04 | 1.03 |
| 歷年/夏     | .57  | .56  | .55  | .56  | .56  | .57  | .58  | .58  | .58  | .58  | .58  | .58  | .57  | .57  | .57  | .58  | .58  | .58  | .59  | .59  | .59  | .59  | .59  | .58  |
| 歷年/秋     | 1.51 | 1.51 | 1.49 | 1.48 | 1.47 | 1.48 | 1.48 | 1.47 | 1.48 | 1.48 | 1.46 | 1.47 | 1.47 | 1.47 | 1.48 | 1.49 | 1.50 | 1.51 | 1.52 | 1.53 | 1.53 | 1.53 | 1.53 | 1.52 |
| 歷年/年     | 1.20 | 1.19 | 1.19 | 1.18 | 1.18 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.18 | 1.18 | 1.18 | 1.19 | 1.19 | 1.20 | 1.20 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 |

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港灣技術研究中心

表2.2.4c 2014年基隆港域主要測站逐時示性波高最大值統計表

| 時<br>年、月 | 0時   | 1時   | 2時   | 3時   | 4時   | 5時   | 6時   | 7時   | 8時   | 9時   | 10時  | 11時  | 12時  | 13時  | 14時  | 15時  | 16時  | 17時  | 18時  | 19時  | 20時  | 21時  | 22時  | 23時  |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2013/12  | 4.59 | 4.51 | 4.89 | 4.51 | 4.39 | 4.58 | 4.11 | 4.47 | 4.30 | 4.49 | 4.86 | 4.48 | 3.95 | 3.97 | 4.43 | 4.10 | 4.01 | 4.54 | 4.00 | 3.86 | 4.01 | 3.99 | 4.38 | 4.73 |
| 2014/01  | 3.67 | 4.36 | 3.58 | 3.78 | 3.46 | 3.17 | 3.11 | 3.38 | 3.47 | 4.33 | 3.98 | 4.10 | 4.02 | 3.96 | 3.57 | 3.30 | 3.80 | 3.74 | 3.80 | 3.73 | 3.86 | 3.55 | 3.55 | 3.87 |
| 2014/02  | 4.52 | 4.32 | 4.27 | 4.76 | 4.27 | 4.31 | 3.66 | 4.05 | 4.11 | 4.92 | 4.90 | 4.75 | 5.12 | 4.58 | 4.58 | 4.23 | 3.93 | 3.96 | 3.84 | 4.12 | 4.20 | 4.38 | 4.88 | 4.74 |
| 2014/03  | 3.97 | 3.82 | 3.99 | 4.19 | 3.83 | 3.68 | 3.41 | 3.17 | 2.99 | 3.24 | 3.36 | 3.43 | 3.29 | 3.42 | 3.61 | 3.56 | 3.91 | 3.98 | 4.22 | 3.84 | 3.52 | 3.41 | 3.22 | 3.35 |
| 2014/04  | 2.25 | 2.10 | 2.23 | 2.15 | 2.21 | 2.13 | 1.98 | 1.93 | 1.92 | 2.05 | 2.18 | 2.04 | 1.97 | 2.00 | 2.16 | 2.23 | 2.13 | 1.93 | 1.85 | 1.81 | 1.84 | 1.82 | 1.85 | 2.09 |
| 2014/05  | 2.60 | 2.77 | 2.66 | 2.91 | 3.60 | 3.32 | 2.89 | 2.95 | 3.00 | 2.74 | 2.72 | 2.93 | 3.07 | 3.26 | 3.07 | 3.24 | 3.15 | 2.87 | 2.63 | 2.74 | 2.67 | 2.37 | 2.28 | 2.35 |
| 2014/06  | 2.55 | 2.34 | 2.22 | 2.41 | 2.23 | 2.37 | 2.42 | 2.53 | 2.90 | 2.60 | 2.30 | 2.44 | 2.13 | 1.81 | 1.92 | 2.03 | 2.04 | 2.01 | 1.81 | 1.58 | 1.67 | 1.72 | 1.91 | 2.21 |
| 2014/07  | 2.21 | 2.04 | 1.91 | 2.13 | 2.40 | 2.65 | 2.95 | 3.16 | 2.99 | 3.30 | 3.31 | 3.02 | 3.11 | 3.08 | 3.19 | 3.18 | 3.56 | 3.40 | 3.16 | 3.46 | 3.38 | 3.02 | 2.98 | 2.82 |
| 2014/08  | 1.52 | 1.93 | 1.78 | 1.74 | 1.64 | 1.27 | 1.28 | 1.16 | 1.12 | 1.26 | 1.35 | 1.46 | 1.15 | 1.43 | 1.38 | 1.17 | 1.18 | 1.24 | 1.32 | 1.13 | 1.04 | 1.17 | 1.04 | 1.05 |
| 2014/09  | 2.73 | 2.67 | 2.35 | 1.98 | 1.68 | 1.85 | 1.68 | 1.81 | 1.93 | 2.11 | 2.17 | 2.09 | 2.33 | 2.17 | 2.23 | 2.22 | 2.04 | 2.05 | 2.26 | 2.08 | 2.09 | 2.06 | 2.02 | 2.15 |
| 2014/10  | 4.86 | 4.46 | 4.20 | 4.58 | 4.57 | 4.11 | 4.40 | 3.97 | 3.96 | 3.95 | 4.08 | 4.69 | 5.22 | 4.09 | 3.99 | 4.15 | 4.25 | 4.16 | 4.24 | 4.46 | 4.72 | 4.26 | 4.33 | 4.56 |
| 2014/11  | 3.73 | 3.78 | 3.79 | 3.43 | 3.42 | 3.68 | 3.71 | 3.95 | 3.94 | 3.89 | 3.56 | 3.67 | 3.31 | 3.31 | 3.51 | 3.58 | 3.82 | 4.19 | 4.49 | 4.75 | 5.38 | 5.49 | 4.82 | 4.35 |
| 2014/冬   | 4.59 | 4.51 | 4.89 | 4.76 | 4.39 | 4.58 | 4.11 | 4.47 | 4.30 | 4.92 | 4.90 | 4.75 | 5.12 | 4.58 | 4.58 | 4.23 | 4.01 | 4.54 | 4.00 | 4.12 | 4.20 | 4.38 | 4.88 | 4.74 |
| 2014/春   | 3.97 | 3.82 | 3.99 | 4.19 | 3.83 | 3.68 | 3.41 | 3.17 | 3.00 | 3.24 | 3.36 | 3.43 | 3.29 | 3.42 | 3.61 | 3.56 | 3.91 | 3.98 | 4.22 | 3.84 | 3.52 | 3.41 | 3.22 | 3.35 |
| 2014/夏   | 2.55 | 2.34 | 2.22 | 2.41 | 2.40 | 2.65 | 2.95 | 3.16 | 2.99 | 3.30 | 3.31 | 3.02 | 3.11 | 3.08 | 3.19 | 3.18 | 3.56 | 3.40 | 3.16 | 3.46 | 3.38 | 3.02 | 2.98 | 2.82 |
| 2014/秋   | 4.86 | 4.46 | 4.20 | 4.58 | 4.57 | 4.11 | 4.40 | 3.97 | 3.96 | 3.95 | 4.08 | 4.69 | 5.22 | 4.09 | 3.99 | 4.15 | 4.25 | 4.19 | 4.49 | 4.75 | 5.38 | 5.49 | 4.82 | 4.56 |
| 2014/年   | 4.86 | 4.51 | 4.89 | 4.76 | 4.57 | 4.58 | 4.40 | 4.47 | 4.30 | 4.92 | 4.90 | 4.75 | 5.22 | 4.58 | 4.58 | 4.23 | 4.25 | 4.54 | 4.49 | 4.75 | 5.38 | 5.49 | 4.88 | 4.74 |

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單位: m

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表2.2.4d 歷年基隆港域主要測站逐時示性波高最大值統計表

| 時<br>年、月 | 0時   | 1時    | 2時   | 3時   | 4時   | 5時   | 6時   | 7時   | 8時   | 9時   | 10時  | 11時  | 12時  | 13時  | 14時  | 15時  | 16時  | 17時  | 18時  | 19時  | 20時  | 21時  | 22時   | 23時  |
|----------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|
| 歷年/12    | 4.89 | 5.95  | 6.72 | 5.82 | 5.46 | 5.55 | 4.92 | 5.46 | 5.47 | 5.53 | 4.86 | 5.44 | 5.35 | 4.85 | 4.69 | 5.56 | 4.61 | 4.54 | 5.26 | 6.17 | 5.98 | 5.97 | 5.24  | 5.12 |
| 歷年/01    | 4.41 | 4.83  | 4.74 | 4.66 | 4.35 | 5.11 | 5.07 | 6.33 | 7.14 | 8.14 | 7.60 | 5.56 | 5.12 | 4.99 | 4.75 | 4.33 | 6.16 | 5.60 | 6.19 | 6.06 | 5.05 | 5.39 | 4.39  | 5.04 |
| 歷年/02    | 6.74 | 5.24  | 5.69 | 5.74 | 5.44 | 5.55 | 5.63 | 5.40 | 5.04 | 5.32 | 4.90 | 4.75 | 5.12 | 5.55 | 5.66 | 4.73 | 4.81 | 4.43 | 5.34 | 4.81 | 5.60 | 5.43 | 5.16  | 5.91 |
| 歷年/03    | 4.29 | 4.79  | 4.78 | 4.20 | 4.68 | 4.58 | 4.73 | 4.73 | 4.48 | 4.57 | 4.51 | 4.04 | 4.77 | 5.25 | 4.53 | 4.68 | 5.01 | 4.35 | 4.52 | 3.87 | 4.15 | 4.03 | 3.95  | 4.18 |
| 歷年/04    | 3.77 | 4.09  | 4.24 | 4.38 | 4.34 | 3.48 | 4.90 | 4.76 | 3.50 | 3.66 | 4.72 | 3.85 | 3.70 | 4.17 | 4.03 | 4.30 | 5.74 | 4.11 | 3.96 | 3.46 | 4.03 | 3.76 | 3.80  | 3.62 |
| 歷年/05    | 3.84 | 4.06  | 3.70 | 3.20 | 3.60 | 3.32 | 2.93 | 2.99 | 3.00 | 3.16 | 3.55 | 3.67 | 3.56 | 3.75 | 3.72 | 3.87 | 3.74 | 3.26 | 3.69 | 4.15 | 4.29 | 4.00 | 3.72  | 3.76 |
| 歷年/06    | 2.55 | 2.34  | 2.22 | 2.41 | 2.69 | 3.14 | 3.31 | 3.19 | 2.90 | 2.60 | 2.30 | 2.44 | 2.46 | 2.23 | 2.18 | 2.03 | 2.08 | 2.10 | 2.27 | 2.15 | 2.62 | 2.38 | 2.36  | 2.21 |
| 歷年/07    | 5.53 | 5.96  | 5.28 | 5.54 | 5.59 | 5.84 | 5.69 | 6.33 | 6.78 | 4.85 | 4.83 | 4.69 | 5.01 | 4.41 | 4.41 | 5.23 | 5.86 | 6.25 | 4.96 | 4.95 | 4.61 | 4.32 | 5.00  | 5.61 |
| 歷年/08    | 6.12 | 5.82  | 7.41 | 5.42 | 5.37 | 5.45 | 5.31 | 4.94 | 5.76 | 5.29 | 4.72 | 4.77 | 5.81 | 5.37 | 5.29 | 6.10 | 3.78 | 4.92 | 5.94 | 6.82 | 5.03 | 5.73 | 5.38  | 5.51 |
| 歷年/09    | 9.04 | 8.85  | 9.47 | 7.74 | 8.26 | 5.81 | 5.39 | 5.00 | 6.09 | 5.93 | 5.46 | 5.94 | 7.01 | 6.09 | 6.45 | 5.46 | 5.41 | 6.52 | 7.43 | 7.14 | 9.83 | 8.19 | 11.35 | 9.11 |
| 歷年/10    | 8.59 | 10.12 | 6.71 | 6.73 | 7.24 | 5.08 | 4.72 | 5.07 | 5.27 | 5.72 | 5.71 | 7.06 | 6.38 | 6.71 | 6.43 | 6.79 | 6.16 | 6.76 | 6.74 | 9.41 | 9.59 | 7.01 | 8.05  | 6.99 |
| 歷年/11    | 5.41 | 5.07  | 4.69 | 5.16 | 4.49 | 4.64 | 5.33 | 4.33 | 4.38 | 4.91 | 4.79 | 4.72 | 4.95 | 4.94 | 5.59 | 6.52 | 5.70 | 5.22 | 5.17 | 5.04 | 5.38 | 5.49 | 4.82  | 5.10 |
| 歷年/冬     | 6.74 | 5.95  | 6.72 | 5.82 | 5.46 | 5.55 | 5.63 | 6.33 | 7.14 | 8.14 | 7.60 | 5.56 | 5.35 | 5.55 | 5.66 | 5.56 | 6.16 | 5.60 | 6.19 | 6.17 | 5.98 | 5.97 | 5.24  | 5.91 |
| 歷年/春     | 4.29 | 4.79  | 4.78 | 4.38 | 4.68 | 4.58 | 4.90 | 4.76 | 4.48 | 4.57 | 4.72 | 4.04 | 4.77 | 5.25 | 4.53 | 4.68 | 5.74 | 4.35 | 4.52 | 4.15 | 4.29 | 4.03 | 3.95  | 4.18 |
| 歷年/夏     | 6.12 | 5.96  | 7.41 | 5.54 | 5.59 | 5.84 | 5.69 | 6.33 | 6.78 | 5.29 | 4.83 | 4.77 | 5.81 | 5.37 | 5.29 | 6.10 | 5.86 | 6.25 | 5.94 | 6.82 | 5.03 | 5.73 | 5.38  | 5.61 |
| 歷年/秋     | 9.04 | 10.12 | 9.47 | 7.74 | 8.26 | 5.81 | 5.39 | 5.07 | 6.09 | 5.93 | 5.71 | 7.06 | 7.01 | 6.71 | 6.45 | 6.79 | 6.16 | 6.76 | 7.43 | 9.41 | 9.83 | 8.19 | 11.35 | 9.11 |
| 歷年/年     | 9.04 | 10.12 | 9.47 | 7.74 | 8.26 | 5.84 | 5.69 | 6.33 | 7.14 | 8.14 | 7.60 | 7.06 | 7.01 | 6.71 | 6.45 | 6.79 | 6.16 | 6.76 | 7.43 | 9.41 | 9.83 | 8.19 | 11.35 | 9.11 |

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單位: m

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表2.2.5a 2014年基隆港域主要測站每日示性波高平均值統計表

| 日<br>年、月 | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 27   | 29   | 28   | 31   |     |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 2013/12  | .83  | .78  | .55  | .59  | 1.24 | 1.20 | 1.04 | 1.03 | 1.13 | 2.66 | 1.73 | 1.60 | 1.44 | 1.76 | 2.60 | 2.79 | 4.00 | 3.79 | 3.72 | 2.47 | 2.43 | 2.20 | 2.01 | 2.71 | 2.48 | 3.35 | 3.38 | 2.34 | 1.91 | 1.22 | .82  |     |
| 2014/01  | .58  | .59  | .57  | 1.56 | 1.40 | 1.08 | .76  | 1.19 | 3.45 | 2.32 | 1.32 | 1.80 | 3.02 | 3.35 | 3.01 | 1.82 | 1.07 | 1.74 | 1.84 | 1.49 | 2.90 | 2.38 | 1.14 | .70  | .52  | 2.32 | 2.18 | 1.11 | .83  | .59  | .54  |     |
| 2014/02  | .58  | .52  | .69  | 3.10 | 2.33 | 1.31 | 1.51 | 2.63 | 3.19 | 4.30 | 3.43 | 3.15 | 3.32 | 3.33 | 2.45 | 1.40 | .84  | 1.57 | 3.16 | 2.50 | 1.83 | 1.49 | 1.19 | .96  | .71  | .56  | 1.20 | .96  | .00  | .00  | .00  |     |
| 2014/03  | .60  | 2.71 | 2.35 | 1.58 | 2.03 | 2.39 | 2.63 | 2.46 | 2.23 | 1.65 | 1.17 | .81  | 1.67 | 2.06 | 1.08 | .57  | .46  | .39  | .40  | 2.17 | 3.05 | 1.62 | 1.00 | .77  | .54  | .49  | .65  | .69  | .53  | 1.05 | .84  |     |
| 2014/04  | 1.64 | .81  | .80  | 1.61 | 1.15 | 1.49 | 1.15 | .71  | .70  | .78  | .62  | .45  | .67  | 1.84 | 1.47 | .85  | .59  | .53  | .56  | 1.08 | 1.27 | 1.26 | 1.32 | 1.16 | 1.29 | 1.16 | 1.25 | 1.44 | 1.17 | .71  | .00  |     |
| 2014/05  | .70  | .73  | .63  | .69  | 2.72 | 2.06 | 1.01 | .57  | .66  | .86  | .64  | .61  | .78  | .50  | .65  | .63  | .35  | .34  | .44  | .55  | .54  | .75  | 1.55 | 1.08 | .71  | .53  | .48  | .33  | .26  | .39  | .79  |     |
| 2014/06  | .61  | .40  | .84  | .63  | .54  | .59  | .44  | .65  | 1.19 | 1.35 | 2.10 | 1.45 | .92  | .70  | .52  | .42  | .46  | .40  | .45  | .42  | .34  | .33  | .58  | .93  | .66  | .34  | .26  | .27  | .56  | .33  | .00  |     |
| 2014/07  | .28  | .27  | .29  | .31  | .33  | .40  | .68  | 2.90 | 1.61 | 1.04 | .58  | .35  | .32  | .31  | .29  | .36  | .48  | .44  | .41  | .45  | .61  | 1.11 | 1.57 | .84  | .51  | .39  | .31  | .33  | .33  | .64  | 1.32 |     |
| 2014/08  | 1.22 | .99  | .75  | .50  | .52  | .51  | .77  | .93  | .81  | 1.02 | .72  | .55  | .55  | .38  | .37  | .60  | .45  | .42  | .45  | .40  | .33  | .27  | .28  | .23  | .21  | .29  | .29  | .25  | .33  | .38  | .40  |     |
| 2014/09  | .43  | .32  | .31  | .67  | .71  | .55  | .65  | .46  | .42  | .37  | .48  | .44  | .32  | .75  | 1.18 | .90  | .68  | .62  | .79  | 1.92 | 1.62 | 1.64 | .62  | .41  | .66  | .74  | .55  | .60  | .68  | .99  | .00  |     |
| 2014/10  | 2.02 | 1.20 | 1.71 | 2.73 | 3.49 | 3.06 | 2.25 | 2.02 | 2.32 | 2.74 | 3.83 | 3.89 | 3.01 | 2.44 | 1.62 | 1.07 | 1.42 | 1.11 | .93  | .65  | .58  | 1.83 | 2.14 | 1.38 | .87  | .65  | 1.23 | 1.79 | 1.14 | .81  | .72  |     |
| 2014/11  | .81  | 2.18 | 2.63 | 1.69 | .95  | 1.00 | 1.70 | 1.41 | 2.28 | 1.70 | 1.22 | 1.29 | 2.09 | 1.82 | 1.61 | 1.48 | 3.72 | 3.22 | 2.11 | .00  | .00  | .00  | .00  | .00  | .00  | .00  | 1.37 | 1.51 | 1.06 | .85  | .69  | .00 |
| 2014/冬   | .66  | .63  | .60  | 1.75 | 1.66 | 1.20 | 1.10 | 1.62 | 2.59 | 3.10 | 2.16 | 2.19 | 2.59 | 2.81 | 2.69 | 2.00 | 1.97 | 2.37 | 2.90 | 2.15 | 2.39 | 2.02 | 1.44 | 1.46 | 1.24 | 2.08 | 2.25 | 1.47 | 1.37 | .91  | .68  |     |
| 2014/春   | .88  | 1.58 | 1.26 | 1.29 | 1.97 | 1.98 | 1.60 | 1.24 | 1.21 | 1.10 | .82  | .63  | 1.06 | 1.56 | 1.18 | .70  | .49  | .43  | .47  | 1.36 | 1.79 | 1.22 | 1.28 | 1.00 | .84  | .73  | .80  | .82  | .65  | .72  | .81  |     |
| 2014/夏   | .70  | .55  | .63  | .48  | .46  | .50  | .63  | 1.49 | 1.20 | 1.14 | 1.13 | .78  | .60  | .46  | .39  | .46  | .47  | .42  | .44  | .42  | .43  | .57  | .81  | .67  | .46  | .34  | .29  | .28  | .41  | .45  | .86  |     |
| 2014/秋   | 1.09 | 1.23 | 1.55 | 1.69 | 1.72 | 1.54 | 1.53 | 1.30 | 1.67 | 1.60 | 1.84 | 1.88 | 1.80 | 1.67 | 1.47 | 1.15 | 1.94 | 1.65 | 1.11 | 1.29 | 1.10 | 1.74 | 1.38 | .89  | .76  | .92  | 1.10 | 1.15 | .89  | .83  | .72  |     |
| 2014/年   | .83  | .97  | 1.01 | 1.30 | 1.45 | 1.30 | 1.22 | 1.41 | 1.68 | 1.73 | 1.51 | 1.41 | 1.54 | 1.64 | 1.45 | 1.09 | 1.25 | 1.26 | 1.27 | 1.30 | 1.44 | 1.36 | 1.21 | 1.02 | .83  | 1.02 | 1.11 | .93  | .78  | .71  | .78  |     |

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單位: m

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表2.2.5b 歷年基隆港域主要測站每日示性波高平均值統計表

| 日<br>年、月 | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 27   | 29   | 28   | 31   |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 歷年/12    | 1.49 | 1.53 | 1.64 | 1.73 | 1.90 | 1.85 | 1.95 | 1.63 | 1.37 | 1.44 | 1.62 | 1.76 | 1.80 | 1.97 | 1.72 | 1.86 | 1.81 | 2.04 | 1.98 | 1.89 | 1.88 | 2.04 | 1.45 | 1.51 | 1.71 | 2.22 | 1.85 | 1.82 | 1.70 | 1.91 | 1.92 |
| 歷年/01    | 1.69 | 1.62 | 1.52 | 1.49 | 2.00 | 1.75 | 1.84 | 1.99 | 1.92 | 1.61 | 1.47 | 1.89 | 2.09 | 1.98 | 1.66 | 1.55 | 1.94 | 1.53 | 1.65 | 1.61 | 2.10 | 2.18 | 2.18 | 2.02 | 1.82 | 2.00 | 2.02 | 1.47 | 1.30 | 1.27 | 1.45 |
| 歷年/02    | 1.47 | 1.87 | 1.92 | 1.83 | 1.64 | 1.51 | 1.73 | 2.02 | 2.05 | 1.90 | 1.66 | 1.78 | 1.75 | 1.35 | 1.64 | 1.82 | 1.94 | 1.86 | 2.11 | 1.97 | 1.35 | 1.08 | 1.42 | 1.41 | 1.25 | 1.53 | 1.62 | 1.38 | .95  | .00  | .00  |
| 歷年/03    | 1.32 | 1.82 | 2.02 | 1.46 | 1.16 | 1.44 | 1.71 | 1.45 | 1.48 | 1.24 | 1.17 | 1.31 | 1.44 | 1.54 | 1.20 | 1.18 | .85  | 1.08 | 1.09 | 1.14 | 1.37 | 1.27 | 1.56 | 1.60 | 1.62 | 1.32 | 1.08 | 1.04 | 1.18 | 1.16 | 1.19 |
| 歷年/04    | 1.03 | 1.20 | 1.21 | 1.29 | 1.02 | 1.11 | 1.20 | 1.14 | 1.02 | 1.00 | .96  | .89  | 1.02 | 1.25 | 1.08 | .91  | .98  | .99  | .86  | .88  | .92  | .84  | 1.18 | 1.19 | 1.08 | .99  | .81  | .81  | .74  | .70  | .00  |
| 歷年/05    | .68  | .65  | .71  | .76  | .89  | .72  | .69  | .64  | .69  | .89  | .86  | .76  | .76  | .81  | .67  | .70  | .69  | .77  | .80  | .66  | .50  | .46  | .73  | .88  | .79  | .67  | .71  | .87  | .97  | .88  | .87  |
| 歷年/06    | .81  | .67  | .85  | .88  | .85  | .74  | .64  | .63  | .67  | .74  | .80  | .74  | .69  | .57  | .46  | .49  | .54  | .54  | .51  | .51  | .49  | .42  | .42  | .46  | .53  | .42  | .40  | .39  | .43  | .39  | .00  |
| 歷年/07    | .39  | .38  | .51  | .76  | .50  | .39  | .38  | .56  | .42  | .40  | .38  | .51  | .62  | .48  | .45  | .42  | .59  | .77  | .51  | .45  | .41  | .44  | .49  | .45  | .43  | .44  | .53  | .54  | .43  | .51  | .61  |
| 歷年/08    | .70  | .66  | .53  | .71  | .95  | .86  | 1.06 | .82  | .66  | .57  | .54  | .62  | .46  | .41  | .41  | .46  | .56  | .66  | .58  | .61  | .67  | .56  | .62  | .74  | .62  | .56  | .65  | .68  | .65  | .74  | .94  |
| 歷年/09    | 1.13 | .91  | .76  | .90  | 1.16 | 1.43 | 1.22 | .84  | .84  | 1.11 | 1.21 | .97  | 1.13 | 1.07 | 1.20 | 1.58 | 1.45 | 1.44 | 1.34 | 1.22 | 1.34 | 1.33 | 1.32 | 1.22 | 1.16 | 1.32 | 1.25 | 1.36 | 1.23 | 1.27 | .00  |
| 歷年/10    | 1.52 | 1.35 | 1.61 | 1.71 | 1.88 | 2.11 | 1.67 | 1.64 | 1.60 | 1.49 | 1.48 | 1.52 | 1.38 | 1.58 | 1.89 | 1.89 | 1.67 | 1.64 | 1.58 | 1.53 | 1.61 | 1.70 | 1.77 | 1.76 | 1.81 | 1.91 | 1.73 | 1.41 | 1.48 | 1.47 | 1.42 |
| 歷年/11    | 1.54 | 1.68 | 1.66 | 1.60 | 1.24 | 1.22 | 1.28 | 1.23 | 1.75 | 1.64 | 1.77 | 1.66 | 1.49 | 1.37 | 1.87 | 1.88 | 2.03 | 2.13 | 1.80 | 1.80 | 1.81 | 1.75 | 1.62 | 1.57 | 1.65 | 1.71 | 1.76 | 1.64 | 1.51 | 1.41 | .00  |
| 歷年/冬     | 1.55 | 1.67 | 1.70 | 1.69 | 1.85 | 1.71 | 1.84 | 1.88 | 1.77 | 1.65 | 1.58 | 1.81 | 1.88 | 1.79 | 1.68 | 1.75 | 1.90 | 1.81 | 1.92 | 1.82 | 1.79 | 1.76 | 1.67 | 1.65 | 1.59 | 1.91 | 1.83 | 1.56 | 1.44 | 1.60 | 1.69 |
| 歷年/春     | .98  | 1.17 | 1.26 | 1.16 | 1.02 | 1.08 | 1.18 | 1.06 | 1.05 | 1.04 | .99  | .98  | 1.07 | 1.20 | .99  | .92  | .84  | .95  | .92  | .89  | .93  | .86  | 1.16 | 1.21 | 1.16 | .99  | .86  | .90  | .96  | .91  | 1.04 |
| 歷年/夏     | .63  | .56  | .63  | .78  | .76  | .66  | .70  | .68  | .58  | .56  | .57  | .62  | .58  | .48  | .44  | .46  | .56  | .66  | .53  | .52  | .53  | .48  | .51  | .56  | .53  | .48  | .53  | .54  | .51  | .56  | .79  |
| 歷年/秋     | 1.40 | 1.33 | 1.36 | 1.42 | 1.43 | 1.58 | 1.39 | 1.25 | 1.41 | 1.42 | 1.49 | 1.40 | 1.34 | 1.34 | 1.67 | 1.79 | 1.72 | 1.74 | 1.57 | 1.52 | 1.59 | 1.59 | 1.58 | 1.51 | 1.54 | 1.66 | 1.59 | 1.47 | 1.41 | 1.39 | 1.42 |
| 歷年/年     | 1.14 | 1.18 | 1.23 | 1.25 | 1.24 | 1.25 | 1.26 | 1.20 | 1.20 | 1.17 | 1.16 | 1.19 | 1.21 | 1.20 | 1.19 | 1.22 | 1.25 | 1.29 | 1.22 | 1.17 | 1.20 | 1.16 | 1.21 | 1.21 | 1.18 | 1.24 | 1.18 | 1.11 | 1.05 | 1.06 | 1.19 |

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單位: m

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表2.2.5c 2014年基隆港域主要測站每日示性波高最大值統計表

| 日<br>年、月 | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 27   | 29   | 28   | 31   |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2013/12  | 1.03 | .99  | .79  | 1.47 | 1.85 | 1.58 | 1.42 | 1.35 | 2.52 | 3.74 | 2.17 | 2.06 | 1.98 | 2.87 | 3.25 | 4.38 | 4.89 | 4.73 | 4.59 | 3.50 | 3.05 | 2.98 | 2.56 | 3.01 | 2.93 | 4.15 | 4.07 | 2.89 | 2.32 | 1.49 | 1.06 |
| 2014/01  | .88  | .73  | .92  | 2.00 | 2.09 | 1.42 | 1.04 | 3.47 | 3.98 | 2.98 | 1.92 | 3.87 | 3.74 | 4.33 | 4.36 | 2.59 | 1.35 | 2.59 | 2.49 | 2.36 | 3.96 | 3.25 | 1.69 | 1.03 | .70  | 3.45 | 3.03 | 1.55 | 1.01 | .69  | .85  |
| 2014/02  | .88  | .67  | 2.05 | 3.53 | 3.40 | 1.68 | 2.01 | 3.07 | 4.88 | 5.12 | 4.26 | 3.85 | 4.50 | 3.98 | 3.30 | 1.98 | 1.42 | 3.08 | 3.70 | 3.21 | 2.28 | 1.77 | 1.43 | 1.25 | .90  | .73  | 1.53 | 1.23 | .00  | .00  | .00  |
| 2014/03  | .86  | 3.45 | 3.35 | 2.02 | 2.39 | 2.87 | 3.43 | 3.27 | 2.67 | 2.03 | 1.50 | 1.02 | 2.77 | 2.70 | 1.60 | .69  | .62  | .48  | .54  | 4.22 | 4.19 | 2.30 | 1.20 | 1.03 | .71  | .65  | 1.12 | .96  | .66  | 1.68 | .98  |
| 2014/04  | 2.18 | .88  | 1.08 | 2.00 | 1.55 | 2.23 | 1.47 | .92  | .95  | .91  | .73  | .54  | 2.09 | 2.25 | 1.79 | .99  | .78  | .67  | .75  | 1.84 | 1.52 | 1.85 | 1.51 | 1.40 | 1.69 | 1.55 | 1.53 | 1.71 | 1.58 | .95  | .00  |
| 2014/05  | 1.01 | 1.11 | .88  | .80  | 3.60 | 3.17 | 1.42 | .82  | .89  | 1.08 | .81  | .84  | .96  | .70  | 1.39 | .97  | .44  | .51  | .51  | .78  | .66  | 1.62 | 2.37 | 1.87 | 1.02 | .69  | .63  | .47  | .40  | 1.49 | 1.02 |
| 2014/06  | .93  | .50  | 1.52 | .94  | 1.02 | .76  | .60  | 1.22 | 1.59 | 1.68 | 2.90 | 2.55 | 1.19 | .95  | .67  | .50  | .82  | .61  | .57  | .47  | .42  | .41  | .72  | 1.14 | 1.11 | .50  | .31  | .38  | .80  | .45  | .00  |
| 2014/07  | .35  | .41  | .40  | .64  | .47  | .57  | 1.51 | 3.56 | 2.21 | 1.39 | .85  | .47  | .42  | .40  | .41  | .53  | .62  | .72  | .54  | .60  | .95  | 1.88 | 2.32 | 1.07 | .77  | .49  | .38  | .46  | .45  | 1.00 | 1.71 |
| 2014/08  | 1.93 | 1.38 | 1.00 | .60  | .79  | .79  | 1.07 | 1.32 | 1.13 | 1.46 | 1.12 | .70  | .66  | .50  | .55  | .89  | .69  | .53  | .67  | .50  | .40  | .38  | .36  | .28  | .26  | .43  | .41  | .32  | .57  | .47  | .47  |
| 2014/09  | .55  | .41  | .48  | 1.08 | .95  | .70  | .87  | .58  | .51  | .47  | .55  | .53  | .39  | 1.31 | 1.59 | 1.09 | .76  | .75  | 1.21 | 2.33 | 2.73 | 2.17 | 1.00 | .46  | 1.16 | 1.01 | .63  | .84  | .93  | 2.02 | .00  |
| 2014/10  | 2.64 | 1.73 | 2.76 | 3.17 | 4.72 | 3.96 | 3.19 | 2.37 | 2.91 | 3.26 | 5.22 | 5.04 | 4.40 | 3.09 | 2.13 | 1.33 | 1.81 | 1.30 | 1.20 | .86  | .74  | 3.15 | 2.66 | 1.90 | 1.17 | .82  | 1.79 | 2.28 | 1.76 | 1.17 | .97  |
| 2014/11  | 1.18 | 4.08 | 3.25 | 2.16 | 1.21 | 1.63 | 2.09 | 1.67 | 2.77 | 2.61 | 1.58 | 1.87 | 2.37 | 2.06 | 2.02 | 2.26 | 5.49 | 3.95 | 2.49 | .00  | .00  | .00  | .00  | .00  | .00  | 1.87 | 1.83 | 1.98 | 1.13 | .95  | .00  |
| 2014/冬   | 1.03 | .99  | 2.05 | 3.53 | 3.40 | 1.68 | 2.01 | 3.47 | 4.88 | 5.12 | 4.26 | 3.87 | 4.50 | 4.33 | 4.36 | 4.38 | 4.89 | 4.73 | 4.59 | 3.50 | 3.96 | 3.25 | 2.56 | 3.01 | 2.93 | 4.15 | 4.07 | 2.89 | 2.32 | 1.49 | 1.06 |
| 2014/春   | 2.18 | 3.45 | 3.35 | 2.02 | 3.60 | 3.17 | 3.43 | 3.27 | 2.67 | 2.03 | 1.50 | 1.02 | 2.77 | 2.70 | 1.79 | .99  | .78  | .67  | .75  | 4.22 | 4.19 | 2.30 | 2.37 | 1.87 | 1.69 | 1.55 | 1.53 | 1.71 | 1.58 | 1.68 | 1.02 |
| 2014/夏   | 1.93 | 1.38 | 1.52 | .94  | 1.02 | .79  | 1.51 | 3.56 | 2.21 | 1.68 | 2.90 | 2.55 | 1.19 | .95  | .67  | .89  | .82  | .72  | .67  | .60  | .95  | 1.88 | 2.32 | 1.14 | 1.11 | .50  | .41  | .46  | .80  | 1.00 | 1.71 |
| 2014/秋   | 2.64 | 4.08 | 3.25 | 3.17 | 4.72 | 3.96 | 3.19 | 2.37 | 2.91 | 3.26 | 5.22 | 5.04 | 4.40 | 3.09 | 2.13 | 2.26 | 5.49 | 3.95 | 2.49 | 2.33 | 2.73 | 3.15 | 2.66 | 1.90 | 1.17 | 1.87 | 1.83 | 2.28 | 1.76 | 2.02 | .97  |
| 2014/年   | 2.64 | 4.08 | 3.35 | 3.53 | 4.72 | 3.96 | 3.43 | 3.56 | 4.88 | 5.12 | 5.22 | 5.04 | 4.50 | 4.33 | 4.36 | 4.38 | 5.49 | 4.73 | 4.59 | 4.22 | 4.19 | 3.25 | 2.66 | 3.01 | 2.93 | 4.15 | 4.07 | 2.89 | 2.32 | 2.02 | 1.71 |

DISV9Z2.BAT

單位: m

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表2.2.5d 歷年基隆港域主要測站每日示性波高最大值統計表

| 日<br>年、月 | 1    | 2    | 3    | 4    | 5    | 6     | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17    | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 27   | 29   | 28   | 31   |
|----------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 歷年/12    | 3.52 | 3.72 | 3.40 | 4.40 | 5.76 | 3.97  | 5.07 | 3.18 | 3.17 | 3.74 | 6.17 | 4.89 | 5.98 | 5.09 | 4.80 | 6.72 | 4.89  | 4.92 | 4.60 | 5.20 | 5.44 | 5.55 | 3.48 | 3.48 | 3.91 | 5.01 | 4.37 | 4.10 | 4.19 | 4.81 | 4.66 |
| 歷年/01    | 4.11 | 4.42 | 3.86 | 3.27 | 8.14 | 4.83  | 4.37 | 3.92 | 4.04 | 3.34 | 4.39 | 4.83 | 3.99 | 4.33 | 4.36 | 4.15 | 4.20  | 3.53 | 4.11 | 4.41 | 5.60 | 4.43 | 5.04 | 4.26 | 4.66 | 3.46 | 4.25 | 3.98 | 3.54 | 3.51 | 3.28 |
| 歷年/02    | 3.34 | 4.79 | 5.91 | 5.63 | 3.40 | 3.85  | 4.52 | 4.62 | 4.88 | 5.12 | 4.26 | 4.29 | 4.50 | 3.98 | 3.30 | 5.04 | 5.55  | 4.43 | 5.60 | 4.93 | 2.92 | 5.58 | 6.74 | 3.52 | 3.59 | 4.69 | 5.74 | 5.06 | 2.08 | .00  | .00  |
| 歷年/03    | 4.03 | 4.79 | 4.57 | 2.80 | 2.48 | 4.73  | 3.43 | 3.27 | 4.09 | 3.33 | 3.94 | 5.01 | 5.25 | 4.20 | 3.82 | 3.25 | 2.16  | 4.10 | 3.44 | 4.22 | 4.19 | 3.95 | 3.87 | 3.62 | 3.60 | 3.49 | 2.69 | 3.05 | 3.42 | 3.11 | 3.89 |
| 歷年/04    | 2.62 | 3.44 | 4.09 | 3.76 | 3.07 | 3.80  | 3.85 | 5.74 | 3.06 | 2.46 | 2.67 | 2.25 | 4.76 | 4.72 | 4.38 | 2.55 | 2.40  | 3.70 | 2.33 | 4.17 | 3.50 | 2.44 | 3.26 | 3.96 | 4.06 | 3.02 | 1.86 | 1.98 | 2.30 | 3.40 | .00  |
| 歷年/05    | 2.94 | 2.05 | 2.22 | 3.49 | 3.60 | 3.17  | 2.41 | 2.23 | 2.43 | 2.78 | 2.73 | 2.43 | 2.15 | 1.70 | 1.64 | 1.59 | 1.93  | 1.59 | 2.25 | 1.79 | 1.10 | 1.62 | 2.80 | 2.84 | 2.57 | 1.90 | 2.65 | 4.29 | 4.06 | 1.95 | 2.47 |
| 歷年/06    | 2.13 | 1.86 | 2.44 | 1.81 | 2.29 | 1.83  | 2.06 | 1.69 | 2.36 | 2.25 | 2.90 | 2.55 | 2.08 | 1.79 | 1.05 | 1.48 | 2.09  | 2.19 | 1.43 | 2.62 | 1.87 | 1.01 | 1.03 | 1.44 | 3.31 | 1.67 | 1.59 | 1.36 | 1.12 | 1.16 | .00  |
| 歷年/07    | 1.43 | 1.41 | 5.61 | 6.78 | 2.85 | 1.34  | 1.51 | 3.56 | 2.21 | 1.39 | .93  | 4.94 | 5.13 | 1.78 | 1.62 | 1.23 | 4.28  | 5.80 | 2.46 | 1.36 | 1.25 | 1.88 | 2.32 | 1.20 | 1.23 | 1.64 | 2.24 | 3.19 | 2.51 | 1.53 | 2.48 |
| 歷年/08    | 4.70 | 4.87 | 1.19 | 4.39 | 7.41 | 3.52  | 4.51 | 3.19 | 2.01 | 1.46 | 2.91 | 4.35 | 1.72 | 1.19 | 1.29 | 1.44 | 1.91  | 2.51 | 1.64 | 2.57 | 3.78 | 1.69 | 3.25 | 6.82 | 6.12 | 2.03 | 2.40 | 2.50 | 2.01 | 2.67 | 5.44 |
| 歷年/09    | 4.87 | 3.01 | 2.77 | 2.54 | 5.47 | 11.35 | 9.47 | 2.15 | 2.79 | 4.55 | 4.20 | 3.29 | 4.19 | 3.96 | 4.78 | 7.43 | 4.26  | 4.22 | 3.85 | 3.98 | 4.09 | 3.87 | 4.37 | 3.77 | 4.68 | 4.34 | 3.47 | 5.20 | 5.55 | 4.04 | .00  |
| 歷年/10    | 3.38 | 4.26 | 5.03 | 4.49 | 4.72 | 7.06  | 3.77 | 4.62 | 3.25 | 3.54 | 5.22 | 5.04 | 4.40 | 4.24 | 4.00 | 9.59 | 10.12 | 4.54 | 4.97 | 4.01 | 4.94 | 4.09 | 3.69 | 4.65 | 5.63 | 6.10 | 5.38 | 5.17 | 4.64 | 3.40 | 3.34 |
| 歷年/11    | 3.93 | 4.24 | 3.97 | 3.35 | 4.35 | 5.33  | 2.97 | 4.58 | 5.02 | 4.82 | 4.03 | 4.23 | 3.65 | 3.17 | 4.43 | 4.69 | 5.49  | 4.68 | 3.66 | 4.54 | 4.68 | 4.75 | 3.11 | 3.38 | 3.24 | 5.10 | 6.52 | 5.02 | 3.81 | 3.40 | .00  |
| 歷年/冬     | 4.11 | 4.79 | 5.91 | 5.63 | 8.14 | 4.83  | 5.07 | 4.62 | 4.88 | 5.12 | 6.17 | 4.89 | 5.98 | 5.09 | 4.80 | 6.72 | 5.55  | 4.92 | 5.60 | 5.20 | 5.60 | 5.58 | 6.74 | 4.26 | 4.66 | 5.01 | 5.74 | 5.06 | 4.19 | 4.81 | 4.66 |
| 歷年/春     | 4.03 | 4.79 | 4.57 | 3.76 | 3.60 | 4.73  | 3.85 | 5.74 | 4.09 | 3.33 | 3.94 | 5.01 | 5.25 | 4.72 | 4.38 | 3.25 | 2.40  | 4.10 | 3.44 | 4.22 | 4.19 | 3.95 | 3.87 | 3.96 | 4.06 | 3.49 | 2.69 | 4.29 | 4.06 | 3.40 | 3.89 |
| 歷年/夏     | 4.70 | 4.87 | 5.61 | 6.78 | 7.41 | 3.52  | 4.51 | 3.56 | 2.36 | 2.25 | 2.91 | 4.94 | 5.13 | 1.79 | 1.62 | 1.48 | 4.28  | 5.80 | 2.46 | 2.62 | 3.78 | 1.88 | 3.25 | 6.82 | 6.12 | 2.03 | 2.40 | 3.19 | 2.51 | 2.67 | 5.44 |
| 歷年/秋     | 4.87 | 4.26 | 5.03 | 4.49 | 5.47 | 11.35 | 9.47 | 4.62 | 5.02 | 4.82 | 5.22 | 5.04 | 4.40 | 4.24 | 4.78 | 9.59 | 10.12 | 4.68 | 4.97 | 4.54 | 4.94 | 4.75 | 4.37 | 4.65 | 5.63 | 6.10 | 6.52 | 5.20 | 5.55 | 4.04 | 3.34 |
| 歷年/年     | 4.87 | 4.87 | 5.91 | 6.78 | 8.14 | 11.35 | 9.47 | 5.74 | 5.02 | 5.12 | 6.17 | 5.04 | 5.98 | 5.09 | 4.80 | 9.59 | 10.12 | 5.80 | 5.60 | 5.20 | 5.60 | 5.58 | 6.74 | 6.82 | 6.12 | 6.10 | 6.52 | 5.20 | 5.55 | 4.81 | 5.44 |

DISV9Z2.BAT

單位: m

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表 2.2.6a 2014 年 冬季 基隆港域主要測站示性波高及波向聯合分佈百分比 (%) 統計表

2013 年 12 月 1 日 0 時 0 分 ~ 2014 年 2 月 28 日 23 時 0 分

| 波向    | N   | NNE  | NE   | ENE | E  | ESE | SE | SSE | S  | SSW | SW | WSW | W  | WNW | NW | NNW | 合計    |
|-------|-----|------|------|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|-------|
| $H_s$ |     |      |      |     |    |     |    |     |    |     |    |     |    |     |    |     |       |
| .0m   | .0  | .1   | 3.3  | 1.1 | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 4.5   |
| .5m   | .0  | 4.3  | 16.7 | 2.8 | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 23.8  |
| 1.0m  | .5  | 8.5  | 7.9  | 1.8 | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 18.6  |
| 1.5m  | .5  | 10.0 | 2.0  | .1  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 12.6  |
| 2.0m  | .6  | 20.4 | 1.9  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 23.0  |
| 3.0m  | 1.1 | 13.0 | .4   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 14.5  |
| 4.0m  | .1  | 2.9  | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 3.0   |
| 5.0m  | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 6.0m  | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 8.0m  | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 10.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 12.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 14.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 16.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 18.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 20.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 22.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 24.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 26.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 30.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 50.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 合計    | 2.7 | 59.2 | 32.3 | 5.8 | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 100.0 |

DISV1Z2.BAT

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- [註 1]: 波高  $H_s$  介於 .5m ~ 1.0m 佔 23.8%, 主波向 NNE 佔 59.2%。  
 [註 2]: 波高  $H_s$  平均值 = 1.83m, 最大波高  $H_s = 5.12m$ , 其波向為 NNE。  
 [註 3]:  $H_s$  小於 1m 佔 28.3%。 $H_s$  介於 1~2m 佔 31.2%。 $H_s$  大於 2m 佔 40.5%, NO= 2159(100.0%)。  
 [註 4]: 波向: N~E 佔 99.9%; E~S 佔 .0%; S~W 佔 .0%; W~N 佔 .1%, NO= 2159(100.0%)。  
 [註 5]: 資料每小時記錄一次, 波高與波向同時觀測計 2159 筆, 檔名: V14WK LX0.1HV。

表 2.2.6b 歷年 冬季 基隆港域主要測站示性波高及波向聯合分佈百分比 (%) 統計表

2001年12月1日 0時 0分 ~ 2014年 2月28日 23時 0分

| 波向    | N   | NNE  | NE   | ENE | E   | ESE | SE | SSE | S  | SSW | SW | WSW | W  | WNW | NW | NNW | 合計    |
|-------|-----|------|------|-----|-----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|-------|
| $H_s$ |     |      |      |     |     |     |    |     |    |     |    |     |    |     |    |     |       |
| .0m   | .1  | .6   | 2.7  | .6  | .2  | .1  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .1  | .1 | .1  | 4.6   |
| .5m   | .6  | 6.7  | 9.4  | 2.5 | .5  | .2  | .1 | .1  | .1 | .1  | .1 | .1  | .1 | .1  | .2 | .2  | 21.2  |
| 1.0m  | .9  | 8.9  | 7.3  | 1.4 | .2  | .0  | .0 | .1  | .0 | .0  | .0 | .0  | .0 | .0  | .1 | .2  | 19.3  |
| 1.5m  | 1.3 | 10.3 | 5.6  | .8  | .1  | .1  | .1 | .1  | .0 | .1  | .1 | .1  | .0 | .0  | .0 | .1  | 18.7  |
| 2.0m  | 1.8 | 16.7 | 6.0  | .5  | .1  | .1  | .1 | .1  | .1 | .1  | .1 | .1  | .1 | .1  | .1 | .2  | 26.2  |
| 3.0m  | .7  | 5.5  | 1.4  | .1  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .1  | 8.1   |
| 4.0m  | .1  | 1.0  | .2   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 1.5   |
| 5.0m  | .0  | .2   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .3    |
| 6.0m  | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 8.0m  | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 10.0m | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 12.0m | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 14.0m | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 16.0m | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 18.0m | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 20.0m | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 22.0m | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 24.0m | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 26.0m | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 30.0m | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 50.0m | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 合計    | 5.6 | 50.0 | 32.6 | 6.0 | 1.1 | .5  | .4 | .4  | .3 | .3  | .4 | .4  | .3 | .3  | .5 | 1.0 | 100.0 |

DISV1Z2.BAT

港灣技術研究中心

- [註 1]: 波高 $H_s$ 介於 2.0m ~ 3.0m 佔 26.2%, 主波向 NNE 佔 50.0%。  
 [註 2]: 波高 $H_s$ 平均值 = 1.74m, 最大波高 $H_s$  = 8.14m, 其波向為 WSW。  
 [註 3]:  $H_s$ 小於1m 佔 25.8%。 $H_s$ 介於 1~2m 佔 38.0%。 $H_s$ 大於2m 佔 36.1%, NO= 23055( 88.7%)。  
 [註 4]: 波向:N~E 佔 93.8%;E~S 佔 1.8% ;S~W 佔 1.4% ;W~N 佔 3.6% ,NO= 23163( 89.1%)。  
 [註 5]: 資料每小時記錄一次, 波高與波向同時觀測計 23055筆, 檔名: V44WKLX0.1HV。

表2.2.6c 2014年 春季 基隆港域主要測站示性波高及波向聯合分佈百分比 (%) 統計表

2014年 3月 1日 0時 0分 ~ 2014年 5月31日 23時 0分

| 波向    | N   | NNE  | NE   | ENE  | E  | ESE | SE | SSE | S  | SSW | SW   | WSW | W  | WNW | NW | NNW | 合計    |
|-------|-----|------|------|------|----|-----|----|-----|----|-----|------|-----|----|-----|----|-----|-------|
| $H_s$ |     |      |      |      |    |     |    |     |    |     |      |     |    |     |    |     |       |
| .0m   | .0  | 1.2  | 8.2  | 4.5  | .0 | .0  | .0 | .0  | .0 | .0  | 2.3  | .8  | .0 | .0  | .0 | .0  | 17.2  |
| .5m   | .1  | 3.2  | 14.5 | 7.1  | .0 | .0  | .0 | .0  | .0 | 1.1 | 12.7 | 3.0 | .0 | .0  | .0 | .1  | 41.9  |
| 1.0m  | .1  | 1.6  | 3.5  | .9   | .1 | .0  | .0 | .0  | .1 | 2.7 | 7.3  | 1.5 | .0 | .0  | .0 | .0  | 18.1  |
| 1.5m  | .3  | 3.0  | 1.5  | .7   | .1 | .0  | .0 | .0  | .1 | 3.1 | 1.0  | .1  | .0 | .0  | .0 | .0  | 10.2  |
| 2.0m  | .6  | 8.0  | .9   | .1   | .0 | .0  | .0 | .0  | .0 | .6  | .0   | .0  | .0 | .0  | .0 | .0  | 10.3  |
| 3.0m  | .4  | 1.8  | .1   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | 2.3   |
| 4.0m  | .0  | .1   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .1    |
| 5.0m  | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 6.0m  | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 8.0m  | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 10.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 12.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 14.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 16.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 18.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 20.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 22.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 24.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 26.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 30.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 50.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0   | .0  | .0 | .0  | .0 | .0  | .0    |
| 合計    | 1.7 | 19.0 | 28.7 | 13.4 | .4 | .0  | .0 | .0  | .3 | 7.6 | 23.3 | 5.6 | .0 | .0  | .0 | .1  | 100.0 |

DISV1Z2.BAT

港灣技術研究中心

- [註1]: 波高 $H_s$ 介於 .5m ~ 1.0m 佔 41.9%, 主波向 NE 佔 28.7%。  
 [註2]: 波高 $H_s$ 平均值 = 1.09m, 最大波高 $H_s$  = 4.22m, 其波向為 NNE。  
 [註3]:  $H_s$ 小於1m 佔 59.1%。 $H_s$ 介於 1~2m 佔 28.3%。 $H_s$ 大於2m 佔 12.6%, NO= 2034( 92.1%)。  
 [註4]: 波向:N~E 佔 63.3%;E~S 佔 .0%;S~W 佔 36.6%;W~N 佔 .2%,NO= 2038( 92.3%)。  
 [註5]: 資料每小時記錄一次, 波高與波向同時觀測計 2034筆, 檔名: V14NKLX0.1HV。

表 2.2.6d 歷年 春季 基隆港域主要測站示性波高及波向聯合分佈百分比 (%) 統計表

2002年 3月 1日 0時 0分 ~ 2014年 5月 31日 23時 0分

| 波向<br>$H_s$ | N   | NNE  | NE   | ENE  | E   | ESE | SE | SSE | S  | SSW | SW  | WSW | W  | WNW | NW | NNW | 合計    |
|-------------|-----|------|------|------|-----|-----|----|-----|----|-----|-----|-----|----|-----|----|-----|-------|
| .0m         | .3  | 3.4  | 12.1 | 4.7  | .8  | .2  | .1 | .1  | .0 | .0  | .2  | .1  | .0 | .0  | .1 | .1  | 22.2  |
| .5m         | .6  | 8.4  | 18.8 | 8.6  | 1.3 | .1  | .0 | .1  | .1 | .1  | 1.2 | .4  | .1 | .1  | .1 | .1  | 40.0  |
| 1.0m        | .5  | 6.1  | 6.9  | 1.9  | .2  | .0  | .0 | .0  | .0 | .4  | .9  | .3  | .1 | .0  | .0 | .0  | 17.4  |
| 1.5m        | .5  | 5.1  | 2.7  | .7   | .0  | .0  | .0 | .0  | .0 | .4  | .4  | .1  | .0 | .0  | .0 | .0  | 10.1  |
| 2.0m        | .5  | 5.3  | 1.4  | .3   | .0  | .0  | .0 | .0  | .0 | .3  | .2  | .0  | .0 | .0  | .0 | .0  | 8.2   |
| 3.0m        | .2  | 1.3  | .2   | .0   | .0  | .0  | .0 | .0  | .0 | .1  | .0  | .0  | .0 | .0  | .0 | .0  | 1.8   |
| 4.0m        | .0  | .2   | .1   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .3    |
| 5.0m        | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 6.0m        | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 8.0m        | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 10.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 12.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 14.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 16.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 18.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 20.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 22.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 24.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 26.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 30.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 50.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 合計          | 2.6 | 29.8 | 42.3 | 16.2 | 2.3 | .3  | .2 | .1  | .1 | 1.4 | 3.0 | .9  | .2 | .1  | .2 | .2  | 100.0 |

DISV1Z2.BAT

港灣技術研究中心

- [註 1]: 波高 $H_s$ 介於 .5m ~ 1.0m 佔 40.0%, 主波向 NE 佔 42.3%。  
 [註 2]: 波高 $H_s$ 平均值 = 1.02m, 最大波高 $H_s$  = 5.74m, 其波向為 NNE。  
 [註 3]:  $H_s$ 小於1m 佔 62.3%。 $H_s$ 介於 1~2m 佔 27.4%。 $H_s$ 大於2m 佔 10.3%, NO= 25242( 90.3%)。  
 [註 4]: 波向:N~E 佔 92.3%;E~S 佔 1.2% ;S~W 佔 5.5% ;W~N 佔 1.1% ,NO= 25255( 90.3%)。  
 [註 5]: 資料每小時記錄一次, 波高與波向同時觀測計 25242筆, 檔名: V44NKLX0.1HV。

表2.2.6e 2014年夏季基隆港域主要測站示性波高及波向聯合分佈百分比(%)統計表

2014年6月1日0時0分~2014年8月31日23時0分

| 波向    | N   | NNE  | NE   | ENE  | E  | ESE | SE | SSE | S  | SSW | SW | WSW | W  | WNW | NW | NNW | 合計    |
|-------|-----|------|------|------|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|-------|
| $H_s$ |     |      |      |      |    |     |    |     |    |     |    |     |    |     |    |     |       |
| .0m   | 2.4 | 17.6 | 30.6 | 6.0  | .2 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .1  | 57.0  |
| .5m   | 1.6 | 10.6 | 13.1 | 3.9  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .4  | 29.6  |
| 1.0m  | .5  | 4.2  | 2.9  | .8   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 8.5   |
| 1.5m  | .4  | 1.2  | .7   | .5   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 2.9   |
| 2.0m  | .5  | .7   | .1   | .1   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 1.4   |
| 3.0m  | .0  | .5   | .1   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .6    |
| 4.0m  | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 5.0m  | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 6.0m  | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 8.0m  | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 10.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 12.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 14.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 16.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 18.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 20.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 22.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 24.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 26.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 30.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 50.0m | .0  | .0   | .0   | .0   | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 合計    | 5.4 | 34.9 | 47.6 | 11.3 | .2 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .5  | 100.0 |

DISV1Z2.BAT

港灣技術研究中心

- [註1]: 波高 $H_s$ 介於 .0m ~ .5m 佔 57.0%, 主波向 NE 佔 47.6%。  
 [註2]: 波高 $H_s$ 平均值 = .61m, 最大波高 $H_s$  = 3.56m, 其波向為 NE。  
 [註3]:  $H_s$ 小於1m 佔 86.6%。 $H_s$ 介於 1~2m 佔 11.3%。 $H_s$ 大於2m 佔 2.0%, NO= 2207(100.0%)。  
 [註4]: 波向:N~E 佔 98.3%;E~S 佔 .1%;S~W 佔 .0%;W~N 佔 1.6%,NO= 2207(100.0%)。  
 [註5]: 資料每小時記錄一次, 波高與波向同時觀測計 2207筆, 檔名: V14SKLX0.1HV。

表2.2.6f 歷年 夏季 基隆港域主要測站示性波高及波向聯合分佈百分比 (%) 統計表

2001年 6月21日 16時 0分 ~ 2014年 8月31日 23時 0分

| 波向<br>$H_s$ | N   | NNE  | NE   | ENE  | E   | ESE | SE | SSE | S  | SSW | SW  | WSW | W  | WNW | NW | NNW | 合計    |
|-------------|-----|------|------|------|-----|-----|----|-----|----|-----|-----|-----|----|-----|----|-----|-------|
| .0m         | 2.7 | 13.3 | 26.6 | 8.9  | 2.6 | 1.1 | .6 | .5  | .4 | .6  | 1.1 | 1.0 | .6 | .5  | .5 | .9  | 61.9  |
| .5m         | .7  | 4.9  | 10.3 | 6.1  | 1.4 | .4  | .1 | .1  | .1 | .2  | .5  | .9  | .1 | .1  | .1 | .2  | 26.1  |
| 1.0m        | .3  | 1.8  | 2.8  | 2.0  | .4  | .0  | .0 | .0  | .0 | .0  | .0  | .1  | .0 | .0  | .0 | .0  | 7.6   |
| 1.5m        | .2  | .6   | .9   | .6   | .1  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | 2.4   |
| 2.0m        | .1  | .4   | .5   | .3   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | 1.3   |
| 3.0m        | .0  | .1   | .2   | .1   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .4    |
| 4.0m        | .0  | .1   | .1   | .1   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .3    |
| 5.0m        | .0  | .0   | .1   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .1    |
| 6.0m        | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 8.0m        | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 10.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 12.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 14.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 16.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 18.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 20.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 22.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 24.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 26.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 30.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 50.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 合計          | 4.0 | 21.2 | 41.5 | 18.1 | 4.4 | 1.5 | .8 | .6  | .5 | .8  | 1.6 | 1.9 | .8 | .5  | .6 | 1.2 | 100.0 |

DISV1Z2.BAT

港灣技術研究中心

- [註1]: 波高 $H_s$ 介於 .0m ~ .5m 佔 61.9% , 主波向 NE 佔 41.5%。  
 [註2]: 波高 $H_s$ 平均值 = .58m , 最大波高 $H_s$  = 7.41m , 其波向為 NNE。  
 [註3]:  $H_s$ 小於1m 佔 88.0%。 $H_s$ 介於 1~2m 佔 10.0%。 $H_s$ 大於2m 佔 2.0% , NO= 27324( 92.8%)。  
 [註4]: 波向:N~E 佔 86.4%;E~S 佔 4.6% ;S~W 佔 5.1% ;W~N 佔 3.9% ,NO= 27325( 92.8%)。  
 [註5]: 資料每小時記錄一次, 波高與波向同時觀測計 27324筆, 檔名: V44SKLX0.1HV。

表 2.2.6g 2014 年 秋季 基隆港域主要測站示性波高及波向聯合分佈百分比 (%) 統計表

2014 年 9 月 1 日 0 時 0 分 ~ 2014 年 11 月 30 日 23 時 0 分

| 波向    | N   | NNE  | NE   | ENE | E  | ESE | SE | SSE | S  | SSW | SW | WSW | W  | WNW | NW | NNW | 合計    |
|-------|-----|------|------|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|-------|
| $H_s$ |     |      |      |     |    |     |    |     |    |     |    |     |    |     |    |     |       |
| .0m   | .1  | 4.3  | 8.7  | .2  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 13.4  |
| .5m   | 1.0 | 10.0 | 17.0 | 2.9 | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 30.9  |
| 1.0m  | 1.5 | 10.4 | 5.2  | 1.0 | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 18.1  |
| 1.5m  | 1.4 | 10.0 | 2.9  | .2  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 14.5  |
| 2.0m  | 2.5 | 12.6 | .7   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 15.9  |
| 3.0m  | .7  | 4.7  | .2   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 5.7   |
| 4.0m  | .1  | 1.0  | .3   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 1.4   |
| 5.0m  | .0  | .0   | .1   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .2    |
| 6.0m  | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 8.0m  | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 10.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 12.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 14.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 16.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 18.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 20.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 22.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 24.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 26.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 30.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 50.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 合計    | 7.3 | 53.1 | 35.3 | 4.3 | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .1  | 100.0 |

DISV1Z2.BAT

港灣技術研究中心

- [註 1]: 波高  $H_s$  介於 .5m ~ 1.0m 佔 30.9%, 主波向 NNE 佔 53.1%。
- [註 2]: 波高  $H_s$  平均值 = 1.39m, 最大波高  $H_s$  = 5.49m, 其波向為 N。
- [註 3]:  $H_s$  小於 1m 佔 44.2%。 $H_s$  介於 1~2m 佔 32.6%。 $H_s$  大於 2m 佔 23.2%, NO= 2028( 92.9%)。
- [註 4]: 波向:N~E 佔 98.9%;E~S 佔 .0%;S~W 佔 .0%;W~N 佔 1.1%,NO= 2028( 92.9%)。
- [註 5]: 資料每小時記錄一次, 波高與波向同時觀測計 2028 筆, 檔名: V14FKLX0.1HV。



表 2.2.6h 歷年 秋季 基隆港域主要測站示性波高及波向聯合分佈百分比 (%) 統計表

2001年 9月 1日 0時 0分 ~ 2014年 11月 30日 23時 0分

| 波向<br>$H_s$ | N   | NNE  | NE   | ENE | E   | ESE | SE | SSE | S  | SSW | SW | WSW | W  | WNW | NW | NNW | 合計    |
|-------------|-----|------|------|-----|-----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|-------|
| .0m         | .1  | 1.7  | 4.2  | 1.3 | .3  | .0  | .1 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .1  | 8.0   |
| .5m         | .8  | 7.3  | 14.1 | 3.7 | .6  | .1  | .1 | .0  | .0 | .0  | .0 | .1  | .0 | .0  | .1 | .1  | 27.1  |
| 1.0m        | .7  | 9.3  | 10.3 | 2.6 | .3  | .1  | .1 | .0  | .0 | .0  | .0 | .0  | .1 | .0  | .1 | .1  | 23.8  |
| 1.5m        | .6  | 9.4  | 6.2  | 1.0 | .1  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 17.6  |
| 2.0m        | .8  | 9.5  | 4.9  | .7  | .1  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 16.2  |
| 3.0m        | .5  | 3.5  | 1.2  | .2  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 5.4   |
| 4.0m        | .1  | 1.1  | .3   | .1  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | 1.5   |
| 5.0m        | .0  | .1   | .1   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .3    |
| 6.0m        | .0  | .0   | .1   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .1    |
| 8.0m        | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 10.0m       | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 12.0m       | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 14.0m       | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 16.0m       | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 18.0m       | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 20.0m       | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 22.0m       | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 24.0m       | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 26.0m       | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 30.0m       | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 50.0m       | .0  | .0   | .0   | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0    |
| 合計          | 3.6 | 42.0 | 41.4 | 9.5 | 1.4 | .3  | .2 | .1  | .1 | .1  | .1 | .1  | .2 | .1  | .2 | .4  | 100.0 |

DISV1Z2.BAT

港灣技術研究中心

- [註 1]: 波高 $H_s$ 介於 .5m ~ 1.0m 佔 27.1%, 主波向 NNE 佔 42.0%。  
 [註 2]: 波高 $H_s$ 平均值 = 1.49m, 最大波高 $H_s$  = 11.35m, 其波向為 N。  
 [註 3]:  $H_s$ 小於1m 佔 35.1%。 $H_s$ 介於 1~2m 佔 41.4%。 $H_s$ 大於2m 佔 23.5%, NO= 28786( 96.4%)。  
 [註 4]: 波向:N~E 佔 96.9%;E~S 佔 1.1%;S~W 佔 .4%;W~N 佔 1.5%,NO= 28789( 96.4%)。  
 [註 5]: 資料每小時記錄一次, 波高與波向同時觀測計 28786 筆, 檔名: V44FKLX0.1HV。

表 2.2.6i 2014 年 整 年 基 隆 港 域 主 要 測 站 示 性 波 高 及 波 向 聯 合 分 佈 百 分 比 (%) 統 計 表

2013 年 12 月 1 日 0 時 0 分 ~ 2014 年 11 月 30 日 23 時 0 分

| 波向    | N   | NNE  | NE   | ENE | E  | ESE | SE | SSE | S  | SSW | SW  | WSW | W  | WNW | NW | NNW | 合計    |
|-------|-----|------|------|-----|----|-----|----|-----|----|-----|-----|-----|----|-----|----|-----|-------|
| $H_s$ |     |      |      |     |    |     |    |     |    |     |     |     |    |     |    |     |       |
| .0m   | .7  | 6.0  | 12.9 | 3.0 | .1 | .0  | .0 | .0  | .0 | .0  | .5  | .2  | .0 | .0  | .0 | .0  | 23.4  |
| .5m   | .7  | 7.1  | 15.3 | 4.1 | .0 | .0  | .0 | .0  | .0 | .3  | 3.1 | .7  | .0 | .0  | .0 | .1  | 31.4  |
| 1.0m  | .7  | 6.2  | 4.9  | 1.1 | .0 | .0  | .0 | .0  | .0 | .7  | 1.8 | .4  | .0 | .0  | .0 | .0  | 15.7  |
| 1.5m  | .6  | 6.0  | 1.8  | .4  | .0 | .0  | .0 | .0  | .0 | .7  | .2  | .0  | .0 | .0  | .0 | .0  | 9.9   |
| 2.0m  | 1.0 | 10.4 | .9   | .0  | .0 | .0  | .0 | .0  | .0 | .2  | .0  | .0  | .0 | .0  | .0 | .0  | 12.6  |
| 3.0m  | .5  | 5.0  | .2   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | 5.8   |
| 4.0m  | .0  | 1.0  | .1   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | 1.1   |
| 5.0m  | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .1    |
| 6.0m  | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 8.0m  | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 10.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 12.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 14.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 16.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 18.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 20.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 22.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 24.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 26.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 30.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 50.0m | .0  | .0   | .0   | .0  | .0 | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 合計    | 4.3 | 41.7 | 36.1 | 8.7 | .1 | .0  | .0 | .0  | .1 | 1.8 | 5.6 | 1.3 | .0 | .0  | .0 | .2  | 100.0 |

DISV1Z2.BAT

港灣技術研究中心

- [註 1]: 波高  $H_s$  介於 .5m ~ 1.0m 佔 31.4%, 主波向 NNE 佔 41.7%。
- [註 2]: 波高  $H_s$  平均值 = 1.23m, 最大波高  $H_s$  = 5.49m, 其波向為 N。
- [註 3]:  $H_s$  小於 1m 佔 54.8%。 $H_s$  介於 1~2m 佔 25.6%。 $H_s$  大於 2m 佔 19.5%, NO= 8428( 96.2%)。
- [註 4]: 波向: N~E 佔 90.4%; E~S 佔 .0%; S~W 佔 8.8%; W~N 佔 .8%, NO= 8432( 96.3%)。
- [註 5]: 資料每小時記錄一次, 波高與波向同時觀測計 8428 筆, 檔名: V140KLX0.1HV。

表 2.2.6j 歷年 基隆港域主要測站示性波高及波向聯合分佈百分比 (%) 統計表

2001年 6月21日 16時 0分 ~ 2014年 11月30日 23時 0分

| 波向<br>$H_s$ | N   | NNE  | NE   | ENE  | E   | ESE | SE | SSE | S  | SSW | SW  | WSW | W  | WNW | NW | NNW | 合計    |
|-------------|-----|------|------|------|-----|-----|----|-----|----|-----|-----|-----|----|-----|----|-----|-------|
| .0m         | .8  | 4.9  | 11.6 | 4.0  | 1.0 | .3  | .2 | .1  | .1 | .2  | .3  | .3  | .2 | .1  | .2 | .3  | 24.8  |
| .5m         | .7  | 6.8  | 13.2 | 5.3  | .9  | .2  | .1 | .1  | .1 | .1  | .5  | .4  | .1 | .1  | .1 | .2  | 28.7  |
| 1.0m        | .6  | 6.5  | 6.9  | 2.0  | .3  | .1  | .0 | .0  | .0 | .1  | .2  | .1  | .0 | .0  | .0 | .1  | 17.0  |
| 1.5m        | .6  | 6.3  | 3.8  | .8   | .1  | .0  | .0 | .0  | .0 | .1  | .1  | .0  | .0 | .0  | .0 | .0  | 12.0  |
| 2.0m        | .8  | 7.7  | 3.2  | .5   | .1  | .0  | .0 | .0  | .0 | .1  | .1  | .0  | .0 | .0  | .0 | .1  | 12.6  |
| 3.0m        | .3  | 2.5  | .7   | .1   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | 3.8   |
| 4.0m        | .1  | .6   | .2   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .9    |
| 5.0m        | .0  | .1   | .1   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .2    |
| 6.0m        | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 8.0m        | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 10.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 12.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 14.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 16.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 18.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 20.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 22.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 24.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 26.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 30.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 50.0m       | .0  | .0   | .0   | .0   | .0  | .0  | .0 | .0  | .0 | .0  | .0  | .0  | .0 | .0  | .0 | .0  | .0    |
| 合計          | 3.9 | 35.4 | 39.7 | 12.6 | 2.3 | .7  | .4 | .3  | .3 | .7  | 1.3 | .8  | .4 | .3  | .4 | .7  | 100.0 |

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- [註 1]: 波高 $H_s$ 介於 .5m ~ 1.0m 佔 28.7% , 主波向 NE 佔 39.7% 。
- [註 2]: 波高 $H_s$ 平均值 = 1.19m , 最大波高 $H_s$  = 11.35m , 其波向為 N 。
- [註 3]:  $H_s$ 小於1m 佔 53.5%。 $H_s$ 介於 1~2m 佔 29.0% 。 $H_s$ 大於2m 佔 17.5% , NO=104407( 92.2%)。
- [註 4]: 波向:N~E 佔 92.4%;E~S 佔 2.2% ;S~W 佔 3.1% ;W~N 佔 2.5% ,NO=104532( 92.3%)。
- [註 5]: 資料每小時記錄一次 , 波高與波向同時觀測計 104407筆 , 檔名 : V440KLX0.1HV 。

表2.2.6I 2014年 冬季 基隆港域主要測站示性波高及週期聯合分佈百分比 (%) 統計表

2013年12月1日 0時 0分 ~ 2014年 2月28日 23時 0分

| $T_p$<br>(Sec) | 2<br>~3 | 3<br>~4 | 4<br>~5 | 5<br>~6 | 6<br>~7 | 7<br>~8 | 8<br>~9 | 9<br>~10 | 10<br>~12 | 12<br>~14 | 14<br>~16 | 16<br>~18 | 18<br>~20 | 20<br>~40 | 40<br>~60 | 60<br>~200 | 合計<br>(%) |
|----------------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| $H_s$          |         |         |         |         |         |         |         |          |           |           |           |           |           |           |           |            |           |
| .0m            | .0      | .0      | .0      | .7      | 1.4     | .9      | .2      | .3       | .5        | .1        | .4        | .0        | .0        | .0        | .0        | .0         | 4.5       |
| .5m            | .0      | .2      | .9      | 6.3     | 7.3     | 4.4     | 2.4     | 1.5      | .7        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 23.8      |
| 1.0m           | .0      | .0      | .3      | 1.3     | 7.3     | 4.7     | 3.9     | 1.0      | .1        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 18.6      |
| 1.5m           | .0      | .0      | .0      | .2      | 1.5     | 3.9     | 4.2     | 2.6      | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 12.6      |
| 2.0m           | .0      | .0      | .0      | .0      | .5      | 2.2     | 7.8     | 11.3     | 1.2       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 23.0      |
| 3.0m           | .0      | .0      | .0      | .0      | .0      | .1      | 1.6     | 9.9      | 2.9       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 14.5      |
| 4.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .7       | 2.2       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 3.0       |
| 5.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 6.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 8.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 10.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 12.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 14.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 16.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 18.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 20.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 22.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 24.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 26.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 30.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 50.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 合計             | .0      | .3      | 1.3     | 8.6     | 18.0    | 16.3    | 20.1    | 27.3     | 7.7       | .1        | .4        | .0        | .0        | .0        | .0        | .0         | 100.0     |

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[註1]: 波高 $H_s$ 介於 .5m ~ 1.0m 佔 23.8%。週期 $T_p$ 介於 9.0秒 ~ 10.0秒 佔 27.3%。

[註2]: 波高 $H_s$ 平均值 = 1.83m, 最大波高 $H_s = 5.12m$ , 其週期為 10.8秒。

[註3]:  $H_s$ 小於1m 佔 28.3%。 $H_s$ 介於 1~2m 佔 31.2%。 $H_s$ 大於2m 佔 40.5%。

[註4]:  $T_p$ (秒) 小於6 佔 10.2%; 6 ~ 8 佔 34.2%; 8 ~ 10 佔 47.4%; 大於 10 佔 8.2%。

[註5]: 資料每小時記錄一次, 合計 2159筆 (100.0%), 檔名: V14WKLX0.1HV。

表2.2.6m 歷年 冬季 基隆港域主要測站示性波高及週期聯合分佈百分比 (%) 統計表

2001年12月1日 0時 0分 ~ 2014年 2月28日 23時 0分

| $T_p$<br>(Sec) | 2<br>~3 | 3<br>~4 | 4<br>~5 | 5<br>~6 | 6<br>~7 | 7<br>~8 | 8<br>~9 | 9<br>~10 | 10<br>~12 | 12<br>~14 | 14<br>~16 | 16<br>~18 | 18<br>~20 | 20<br>~40 | 40<br>~60 | 60<br>~200 | 合計<br>(%) |
|----------------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| $H_s$          |         |         |         |         |         |         |         |          |           |           |           |           |           |           |           |            |           |
| .0m            | .0      | .1      | .1      | 1.5     | 1.3     | .9      | .4      | .1       | .1        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 4.6       |
| .5m            | .0      | .1      | .7      | 5.3     | 7.1     | 5.1     | 2.2     | .5       | .1        | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 21.2      |
| 1.0m           | .0      | .0      | .3      | 2.5     | 6.0     | 6.4     | 3.0     | 1.0      | .1        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 19.3      |
| 1.5m           | .0      | .0      | .1      | 1.1     | 3.3     | 6.8     | 5.6     | 1.7      | .1        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 18.7      |
| 2.0m           | .0      | .0      | .1      | 1.2     | 3.0     | 4.6     | 8.5     | 7.8      | 1.0       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 26.2      |
| 3.0m           | .0      | .0      | .0      | .2      | .9      | .6      | .9      | 4.0      | 1.4       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 8.1       |
| 4.0m           | .0      | .0      | .0      | .0      | .2      | .1      | .1      | .5       | .6        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 1.5       |
| 5.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .1       | .1        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .3        |
| 6.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 8.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 10.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 12.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 14.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 16.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 18.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 20.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 22.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 24.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 26.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 30.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 50.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 合計             | .0      | .1      | 1.3     | 11.9    | 21.9    | 24.5    | 20.7    | 15.8     | 3.5       | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 100.0     |

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[註1]: 波高 $H_s$ 介於 2.0m ~ 3.0m 佔 26.2%。週期 $T_p$ 介於 7.0秒~ 8.0秒 佔 24.5%。

[註2]: 波高 $H_s$ 平均值 = 1.74m, 最大波高 $H_s$  = 8.14m, 其週期為 10.1秒。

[註3]:  $H_s$ 小於1m 佔 25.8%。 $H_s$ 介於 1~2m 佔 38.0%。 $H_s$ 大於2m 佔 36.1%。

[註4]:  $T_p$ (秒) 小於6 佔 13.4%; 6 ~ 8 佔 46.4%; 8 ~ 10 佔 36.5%; 大於 10 佔 3.7%。

[註5]: 資料每小時記錄一次, 合計 23055筆 ( 88.7%), 檔名: V44WKLX0.1HV。

表2.2.6n 2014年 春季 基隆港域主要測站示性波高及週期聯合分佈百分比 (%) 統計表

2014年 3月 1日 0時 0分 ~ 2014年 5月 31日 23時 0分

| $T_p$<br>(Sec) | 2<br>~3 | 3<br>~4 | 4<br>~5 | 5<br>~6 | 6<br>~7 | 7<br>~8 | 8<br>~9 | 9<br>~10 | 10<br>~12 | 12<br>~14 | 14<br>~16 | 16<br>~18 | 18<br>~20 | 20<br>~40 | 40<br>~60 | 60<br>~200 | 合計<br>(%) |
|----------------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| .0m            | .0      | .1      | .6      | 4.6     | 4.7     | 3.9     | 1.6     | .2       | 1.4       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 17.2      |
| .5m            | .0      | .5      | 2.5     | 9.6     | 10.5    | 9.0     | 5.3     | 1.8      | 2.7       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 41.9      |
| 1.0m           | .0      | .0      | .2      | 1.2     | 2.4     | 4.1     | 6.3     | 3.5      | .2        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 18.1      |
| 1.5m           | .0      | .0      | .0      | .4      | 1.0     | 3.4     | 3.2     | 2.0      | .1        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 10.2      |
| 2.0m           | .0      | .0      | .0      | .0      | .1      | 1.6     | 4.1     | 4.3      | .1        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 10.3      |
| 3.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .4      | 1.5      | .3        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 2.3       |
| 4.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .1        |
| 5.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 6.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 8.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 10.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 12.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 14.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 16.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 18.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 20.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 22.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 24.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 26.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 30.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 50.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 合計             | .0      | .7      | 3.3     | 15.7    | 18.7    | 22.1    | 20.9    | 13.4     | 5.0       | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 100.0     |

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- [註1]: 波高 $H_s$ 介於 .5m ~ 1.0m 佔 41.9%。週期 $T_p$ 介於 7.0秒~ 8.0秒 佔 22.1%。  
 [註2]: 波高 $H_s$ 平均值 = 1.09m, 最大波高 $H_s$  = 4.22m, 其週期為 9.6秒。  
 [註3]:  $H_s$ 小於1m 佔 59.1%。 $H_s$ 介於 1~2m 佔 28.3%。 $H_s$ 大於2m 佔 12.6%。  
 [註4]:  $T_p$ (秒) 小於6 佔 19.9%; 6 ~ 8 佔 40.8%; 8 ~ 10 佔 34.3%; 大於 10 佔 5.0%。  
 [註5]: 資料每小時記錄一次, 合計 2034筆 ( 92.1%), 檔名: V14NKLX0.1HV。

表2.2.6o 歷年 春季 基隆港域主要測站示性波高及週期聯合分佈百分比 (%) 統計表

2002年 3月 1日 0時 0分 ~ 2014年 5月 31日 23時 0分

| $T_p$<br>(Sec) | 2<br>~3 | 3<br>~4 | 4<br>~5 | 5<br>~6 | 6<br>~7 | 7<br>~8 | 8<br>~9 | 9<br>~10 | 10<br>~12 | 12<br>~14 | 14<br>~16 | 16<br>~18 | 18<br>~20 | 20<br>~40 | 40<br>~60 | 60<br>~200 | 合計<br>(%) |
|----------------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| $H_s$          |         |         |         |         |         |         |         |          |           |           |           |           |           |           |           |            |           |
| .0m            | .0      | .2      | .7      | 4.6     | 7.1     | 4.5     | 2.2     | 1.4      | 1.5       | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 22.2      |
| .5m            | .0      | .5      | 1.2     | 10.1    | 12.4    | 9.1     | 4.5     | 1.5      | .6        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 40.0      |
| 1.0m           | .0      | .0      | .2      | 2.5     | 4.8     | 5.2     | 3.1     | 1.4      | .3        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 17.4      |
| 1.5m           | .0      | .0      | .0      | .9      | 2.1     | 3.0     | 2.6     | 1.1      | .2        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 10.1      |
| 2.0m           | .0      | .0      | .0      | .4      | 1.2     | 1.5     | 2.2     | 2.5      | .5        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 8.2       |
| 3.0m           | .0      | .0      | .0      | .1      | .2      | .2      | .2      | .8       | .4        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 1.8       |
| 4.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .1       | .1        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .3        |
| 5.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 6.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 8.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 10.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 12.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 14.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 16.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 18.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 20.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 22.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 24.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 26.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 30.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 50.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 合計             | .1      | .7      | 2.2     | 18.5    | 27.7    | 23.5    | 14.8    | 8.8      | 3.6       | .2        | .0        | .0        | .0        | .0        | .0        | .0         | 100.0     |

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[註1]: 波高 $H_s$ 介於 .5m ~ 1.0m 佔 40.0%。週期 $T_p$ 介於 6.0秒~ 7.0秒 佔 27.7%。

[註2]: 波高 $H_s$ 平均值 = 1.02m, 最大波高 $H_s = 5.74m$ , 其週期為 5.6秒。

[註3]:  $H_s$ 小於1m 佔 62.3%。 $H_s$ 介於 1~2m 佔 27.4%。 $H_s$ 大於2m 佔 10.3%。

[註4]:  $T_p$ (秒) 小於6 佔 21.5%; 6 ~ 8 佔 51.2%; 8 ~ 10 佔 23.6%; 大於 10 佔 3.7%。

[註5]: 資料每小時記錄一次, 合計 25242筆 ( 90.3%), 檔名: V44NKLX0.1HV。

表2.2.6p 2014年 夏季 基隆港域主要測站示性波高及週期聯合分佈百分比 (%) 統計表

2014年 6月 1日 0時 0分 ~ 2014年 8月31日 23時 0分

| $T_p$<br>(Sec) | 2<br>~3 | 3<br>~4 | 4<br>~5 | 5<br>~6 | 6<br>~7 | 7<br>~8 | 8<br>~9 | 9<br>~10 | 10<br>~12 | 12<br>~14 | 14<br>~16 | 16<br>~18 | 18<br>~20 | 20<br>~40 | 40<br>~60 | 60<br>~200 | 合計<br>(%) |
|----------------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| .0m            | .8      | 2.3     | 5.3     | 13.1    | 14.3    | 11.3    | 5.0     | 2.1      | 1.4       | .5        | .7        | .2        | .0        | .0        | .0        | .0         | 57.0      |
| .5m            | .1      | .7      | 1.8     | 4.1     | 6.1     | 5.9     | 4.1     | 2.8      | 2.6       | 1.0       | .3        | .1        | .0        | .0        | .0        | .0         | 29.6      |
| 1.0m           | .0      | .0      | .5      | 1.0     | 1.6     | 1.0     | 1.0     | 2.1      | .9        | .3        | .0        | .0        | .0        | .0        | .0        | .0         | 8.5       |
| 1.5m           | .0      | .0      | .0      | .0      | .5      | .8      | .5      | .6       | .4        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 2.9       |
| 2.0m           | .0      | .0      | .0      | .0      | .2      | .5      | .4      | .2       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 1.4       |
| 3.0m           | .0      | .0      | .0      | .0      | .0      | .1      | .3      | .2       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .6        |
| 4.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 5.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 6.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 8.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 10.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 12.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 14.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 16.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 18.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 20.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 22.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 24.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 26.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 30.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 50.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 合計             | .9      | 2.9     | 7.7     | 18.2    | 22.6    | 19.7    | 11.4    | 8.1      | 5.3       | 1.8       | 1.0       | .3        | .0        | .0        | .0        | .0         | 100.0     |

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[註1]: 波高 $H_s$ 介於 .0m ~ .5m 佔 57.0%。週期 $T_p$ 介於 6.0秒~ 7.0秒 佔 22.6%。

[註2]: 波高 $H_s$ 平均值 = .61m, 最大波高 $H_s$  = 3.56m, 其週期為 12.8秒。

[註3]:  $H_s$ 小於1m 佔 86.6%。 $H_s$ 介於 1~2m 佔 11.3%。 $H_s$ 大於2m 佔 2.0%。

[註4]:  $T_p$ (秒) 小於6 佔 29.8%; 6 ~ 8 佔 42.3%; 8 ~ 10 佔 19.4%; 大於 10 佔 8.5%。

[註5]: 資料每小時記錄一次, 合計 2207筆 (100.0%), 檔名: V14SKLX0.1HV。



表 2.2.6q 歷年 夏季 基隆港域主要測站示性波高及週期聯合分佈百分比 (%) 統計表

2001年 6月21日 16時 0分 ~ 2014年 8月31日 23時 0分

| $T_p$<br>(Sec) | 2<br>~3 | 3<br>~4 | 4<br>~5 | 5<br>~6 | 6<br>~7 | 7<br>~8 | 8<br>~9 | 9<br>~10 | 10<br>~12 | 12<br>~14 | 14<br>~16 | 16<br>~18 | 18<br>~20 | 20<br>~40 | 40<br>~60 | 60<br>~200 | 合計<br>(%) |
|----------------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| .0m            | .5      | 2.1     | 5.0     | 15.9    | 16.9    | 8.1     | 5.2     | 4.3      | 3.2       | .6        | .1        | .0        | .0        | .0        | .0        | .0         | 61.9      |
| .5m            | .0      | .4      | .8      | 6.7     | 6.8     | 4.7     | 3.1     | 1.8      | 1.3       | .4        | .2        | .0        | .0        | .0        | .0        | .0         | 26.1      |
| 1.0m           | .0      | .0      | .1      | 1.4     | 1.8     | 1.6     | .9      | .8       | .7        | .2        | .0        | .0        | .0        | .0        | .0        | .0         | 7.6       |
| 1.5m           | .0      | .0      | .0      | .2      | .5      | .6      | .4      | .3       | .4        | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 2.4       |
| 2.0m           | .0      | .0      | .0      | .0      | .2      | .2      | .1      | .2       | .3        | .2        | .0        | .0        | .0        | .0        | .0        | .0         | 1.3       |
| 3.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .1      | .1       | .1        | .1        | .0        | .0        | .0        | .0        | .0        | .0         | .4        |
| 4.0m           | .0      | .0      | .0      | .0      | .0      | .1      | .0      | .0       | .1        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .3        |
| 5.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .1        |
| 6.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 8.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 10.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 12.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 14.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 16.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 18.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 20.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 22.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 24.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 26.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 30.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 50.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 合計             | .5      | 2.5     | 6.0     | 24.2    | 26.2    | 15.3    | 9.8     | 7.4      | 6.0       | 1.7       | .4        | .0        | .0        | .0        | .0        | .0         | 100.0     |

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[註1]: 波高 $H_s$ 介於 .0m ~ .5m 佔 61.9%。週期 $T_p$ 介於 6.0秒~ 7.0秒 佔 26.2%。

[註2]: 波高 $H_s$ 平均值 = .58m, 最大波高 $H_s$  = 7.41m, 其週期為 7.3秒。

[註3]:  $H_s$ 小於1m 佔 88.0%。 $H_s$ 介於 1~2m 佔 10.0%。 $H_s$ 大於2m 佔 2.0%。

[註4]:  $T_p$ (秒) 小於6 佔 33.2%; 6 ~ 8 佔 41.5%; 8 ~ 10 佔 17.2%; 大於 10 佔 8.1%。

[註5]: 資料每小時記錄一次, 合計 27324筆 ( 92.8%), 檔名: V44SKLX0.1HV。

表2.2.6r 2014年 秋季 基隆港域主要測站示性波高及週期聯合分佈百分比 (%) 統計表

2014年 9月 1日 0時 0分 ~ 2014年 11月 30日 23時 0分

| $T_p$<br>(Sec) | 2<br>~3 | 3<br>~4 | 4<br>~5 | 5<br>~6 | 6<br>~7 | 7<br>~8 | 8<br>~9 | 9<br>~10 | 10<br>~12 | 12<br>~14 | 14<br>~16 | 16<br>~18 | 18<br>~20 | 20<br>~40 | 40<br>~60 | 60<br>~200 | 合計<br>(%) |
|----------------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| $H_s$          |         |         |         |         |         |         |         |          |           |           |           |           |           |           |           |            |           |
| .0m            | .1      | .0      | .2      | 1.5     | 3.3     | 4.9     | 1.2     | .7       | 1.4       | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 13.4      |
| .5m            | .0      | .3      | 1.1     | 4.3     | 9.3     | 7.6     | 3.3     | .8       | 2.4       | 1.1       | .5        | .0        | .0        | .0        | .0        | .0         | 30.9      |
| 1.0m           | .0      | .0      | .4      | 1.8     | 3.7     | 6.0     | 3.5     | 1.8      | .5        | .2        | .0        | .0        | .0        | .0        | .0        | .0         | 18.1      |
| 1.5m           | .0      | .0      | .0      | .7      | 1.9     | 5.8     | 4.2     | 1.5      | .3        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 14.5      |
| 2.0m           | .0      | .0      | .0      | .0      | .1      | 2.7     | 7.0     | 4.2      | 1.7       | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 15.9      |
| 3.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .5      | 2.5      | 1.9       | .6        | .1        | .0        | .0        | .0        | .0        | .0         | 5.7       |
| 4.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .1      | .4       | .2        | .3        | .3        | .0        | .0        | .0        | .0        | .0         | 1.4       |
| 5.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .1        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .2        |
| 6.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 8.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 10.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 12.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 14.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 16.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 18.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 20.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 22.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 24.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 26.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 30.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 50.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 合計             | .1      | .4      | 1.8     | 8.4     | 18.3    | 27.1    | 19.9    | 11.8     | 8.6       | 2.5       | 1.0       | .0        | .0        | .0        | .0        | .0         | 100.0     |

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[註1]: 波高 $H_s$ 介於 .5m ~ 1.0m 佔 30.9%。週期 $T_p$ 介於 7.0秒~ 8.0秒 佔 27.1%。

[註2]: 波高 $H_s$ 平均值 = 1.39m, 最大波高 $H_s$  = 5.49m, 其週期為 10.1秒。

[註3]:  $H_s$ 小於1m 佔 44.2%。 $H_s$ 介於 1~2m 佔 32.6%。 $H_s$ 大於2m 佔 23.2%。

[註4]:  $T_p$ (秒) 小於6 佔 10.7%; 6 ~ 8 佔 45.4%; 8 ~ 10 佔 31.7%; 大於 10 佔 12.2%。

[註5]: 資料每小時記錄一次, 合計 2028筆 ( 92.9%), 檔名: V14FKLX0.1HV。

表2.2.6s 歷年 秋季 基隆港域主要測站示性波高及週期聯合分佈百分比 (%) 統計表

2001年 9月 1日 0時 0分 ~ 2014年 11月 30日 23時 0分

| $T_p$<br>(Sec) | 2<br>~3 | 3<br>~4 | 4<br>~5 | 5<br>~6 | 6<br>~7 | 7<br>~8 | 8<br>~9 | 9<br>~10 | 10<br>~12 | 12<br>~14 | 14<br>~16 | 16<br>~18 | 18<br>~20 | 20<br>~40 | 40<br>~60 | 60<br>~200 | 合計<br>(%) |
|----------------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| $H_s$          |         |         |         |         |         |         |         |          |           |           |           |           |           |           |           |            |           |
| .0m            | .0      | .2      | .2      | 1.9     | 2.5     | 1.6     | .7      | .3       | .3        | .2        | .0        | .1        | .0        | .0        | .0        | .0         | 8.0       |
| .5m            | .0      | .3      | .7      | 5.3     | 8.5     | 6.4     | 2.9     | 1.2      | .9        | .6        | .1        | .1        | .0        | .0        | .0        | .0         | 27.1      |
| 1.0m           | .0      | .0      | .3      | 3.5     | 6.9     | 7.6     | 3.3     | 1.4      | .4        | .3        | .1        | .0        | .0        | .0        | .0        | .0         | 23.8      |
| 1.5m           | .0      | .0      | .0      | 1.8     | 3.2     | 5.7     | 4.5     | 1.6      | .5        | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 17.6      |
| 2.0m           | .0      | .0      | .0      | 1.5     | 2.4     | 2.6     | 4.6     | 3.5      | 1.4       | .2        | .0        | .0        | .0        | .0        | .0        | .0         | 16.2      |
| 3.0m           | .0      | .0      | .0      | .3      | 1.0     | .3      | .6      | 1.6      | 1.4       | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 5.4       |
| 4.0m           | .0      | .0      | .0      | .0      | .1      | .1      | .0      | .2       | .9        | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 1.5       |
| 5.0m           | .0      | .0      | .0      | .0      | .1      | .0      | .0      | .0       | .1        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .3        |
| 6.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .1        |
| 8.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 10.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 12.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 14.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 16.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 18.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 20.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 22.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 24.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 26.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 30.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 50.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 合計             | .0      | .5      | 1.3     | 14.4    | 24.9    | 24.3    | 16.7    | 9.8      | 6.1       | 1.5       | .3        | .2        | .0        | .0        | .0        | .0         | 100.0     |

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[註1]: 波高 $H_s$ 介於 .5m ~ 1.0m 佔 27.1%。週期 $T_p$ 介於 6.0秒 ~ 7.0秒 佔 24.9%。

[註2]: 波高 $H_s$ 平均值 = 1.49m, 最大波高 $H_s$  = 11.35m, 其週期為 5.5秒。

[註3]:  $H_s$ 小於1m 佔 35.1%。 $H_s$ 介於 1~2m 佔 41.4%。 $H_s$ 大於2m 佔 23.5%。

[註4]:  $T_p$ (秒) 小於6 佔 16.2%; 6 ~ 8 佔 49.2%; 8 ~ 10 佔 26.5%; 大於 10 佔 8.1%。

[註5]: 資料每小時記錄一次, 合計 28786筆 ( 96.4%), 檔名: V44FKLX0.1HV。

表2.2.6t 2014年 整年 基隆港域主要測站示性波高及週期聯合分佈百分比 (%) 統計表

2013年12月1日 0時 0分 ~ 2014年11月30日 23時 0分

| $T_p$<br>(Sec) | 2<br>~3 | 3<br>~4 | 4<br>~5 | 5<br>~6 | 6<br>~7 | 7<br>~8 | 8<br>~9 | 9<br>~10 | 10<br>~12 | 12<br>~14 | 14<br>~16 | 16<br>~18 | 18<br>~20 | 20<br>~40 | 40<br>~60 | 60<br>~200 | 合計<br>(%) |
|----------------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| .0m            | .2      | .6      | 1.6     | 5.1     | 6.0     | 5.3     | 2.0     | .9       | 1.2       | .2        | .3        | .1        | .0        | .0        | .0        | .0         | 23.4      |
| .5m            | .0      | .5      | 1.6     | 6.0     | 8.2     | 6.7     | 3.8     | 1.7      | 2.1       | .6        | .2        | .0        | .0        | .0        | .0        | .0         | 31.4      |
| 1.0m           | .0      | .0      | .4      | 1.3     | 3.7     | 3.9     | 3.6     | 2.1      | .5        | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 15.7      |
| 1.5m           | .0      | .0      | .0      | .3      | 1.2     | 3.5     | 3.0     | 1.7      | .2        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 9.9       |
| 2.0m           | .0      | .0      | .0      | .0      | .2      | 1.8     | 4.8     | 5.0      | .8        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 12.6      |
| 3.0m           | .0      | .0      | .0      | .0      | .0      | .1      | .7      | 3.5      | 1.3       | .2        | .0        | .0        | .0        | .0        | .0        | .0         | 5.8       |
| 4.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .3       | .6        | .1        | .1        | .0        | .0        | .0        | .0        | .0         | 1.1       |
| 5.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .1        |
| 6.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 8.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 10.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 12.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 14.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 16.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 18.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 20.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 22.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 24.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 26.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 30.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 50.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 合計             | .3      | 1.1     | 3.6     | 12.8    | 19.4    | 21.2    | 17.9    | 15.2     | 6.7       | 1.1       | .6        | .1        | .0        | .0        | .0        | .0         | 100.0     |

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[註1]: 波高 $H_s$ 介於 .5m ~ 1.0m 佔 31.4%。週期 $T_p$ 介於 7.0秒~ 8.0秒 佔 21.2%。

[註2]: 波高 $H_s$ 平均值 = 1.23m, 最大波高 $H_s$  = 5.49m, 其週期為 10.1秒。

[註3]:  $H_s$ 小於1m 佔 54.8%。 $H_s$ 介於 1~2m 佔 25.6%。 $H_s$ 大於2m 佔 19.5%。

[註4]:  $T_p$ (秒) 小於6 佔 17.8%; 6 ~ 8 佔 40.6%; 8 ~ 10 佔 33.1%; 大於 10 佔 8.5%。

[註5]: 資料每小時記錄一次, 合計 8428筆 ( 96.2%), 檔名: V140KLX0.1HV。

表2.2.6u 歷年 基隆港域主要測站示性波高及週期聯合分佈百分比 (%) 統計表

2001年 6月21日16時 0分 ~ 2014年11月30日23時 0分

| $T_p$<br>(Sec) | 2<br>~3 | 3<br>~4 | 4<br>~5 | 5<br>~6 | 6<br>~7 | 7<br>~8 | 8<br>~9 | 9<br>~10 | 10<br>~12 | 12<br>~14 | 14<br>~16 | 16<br>~18 | 18<br>~20 | 20<br>~40 | 40<br>~60 | 60<br>~200 | 合計<br>(%) |
|----------------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| .0m            | .1      | .7      | 1.6     | 6.1     | 7.1     | 3.8     | 2.2     | 1.6      | 1.3       | .2        | .0        | .0        | .0        | .0        | .0        | .0         | 24.8      |
| .5m            | .0      | .3      | .9      | 6.8     | 8.7     | 6.3     | 3.2     | 1.3      | .8        | .3        | .1        | .0        | .0        | .0        | .0        | .0         | 28.7      |
| 1.0m           | .0      | .0      | .2      | 2.5     | 4.9     | 5.2     | 2.6     | 1.1      | .4        | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 17.0      |
| 1.5m           | .0      | .0      | .0      | 1.0     | 2.3     | 3.9     | 3.2     | 1.2      | .3        | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 12.0      |
| 2.0m           | .0      | .0      | .0      | .8      | 1.7     | 2.1     | 3.7     | 3.3      | .8        | .1        | .0        | .0        | .0        | .0        | .0        | .0         | 12.6      |
| 3.0m           | .0      | .0      | .0      | .1      | .5      | .3      | .4      | 1.5      | .8        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | 3.8       |
| 4.0m           | .0      | .0      | .0      | .0      | .1      | .1      | .0      | .2       | .4        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .9        |
| 5.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .1        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .2        |
| 6.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 8.0m           | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 10.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 12.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 14.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 16.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 18.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 20.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 22.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 24.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 26.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 30.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 50.0m          | .0      | .0      | .0      | .0      | .0      | .0      | .0      | .0       | .0        | .0        | .0        | .0        | .0        | .0        | .0        | .0         | .0        |
| 合計             | .2      | 1.0     | 2.7     | 17.4    | 25.3    | 21.8    | 15.3    | 10.3     | 4.9       | .9        | .2        | .1        | .0        | .0        | .0        | .0         | 100.0     |

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[註1]: 波高 $H_s$ 介於 .5m ~ 1.0m 佔 28.7%。週期 $T_p$ 介於 6.0秒 ~ 7.0秒 佔 25.3%。

[註2]: 波高 $H_s$ 平均值 = 1.19m, 最大波高 $H_s$  = 11.35m, 其週期為 5.5秒。

[註3]:  $H_s$ 小於1m 佔 53.5%。 $H_s$ 介於 1~2m 佔 29.0%。 $H_s$ 大於2m 佔 17.5%。

[註4]:  $T_p$ (秒) 小於6 佔 21.3%; 6 ~ 8 佔 47.1%; 8 ~ 10 佔 25.6%; 大於 10 佔 6.1%。

[註5]: 資料每小時記錄一次, 合計104407筆 ( 92.2%), 檔名: V440KLX0.1HV。



## 2.3 基隆港域主要測站波浪資料統計圖





# Wave Hs Statistics of KLX0

■ : 2014      ■ : Years

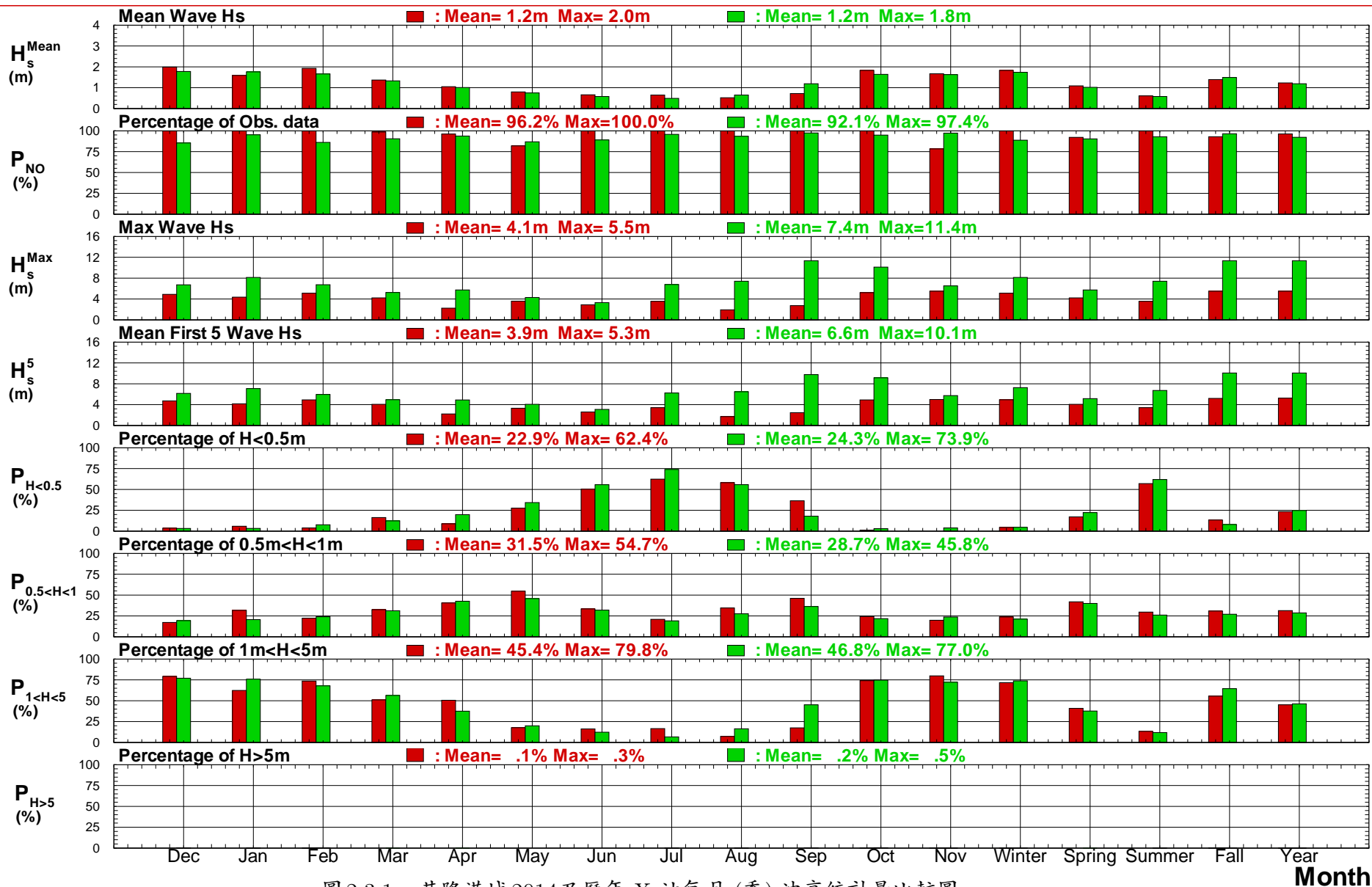


圖 2.3.1a 基隆港域2014及歷年 X 站每月 (季) 波高統計量比較圖

# Wave Direction Statistics of KLX0

■ : 2014      ■ : Years



圖 2.3.1b 基隆港域 2014 及歷年 X 站每月 (季) 波向統計量比較圖

2-3-2

# Wave Tp Statistics of KLX0

■ : 2014      ■ : Years



圖 2.3.1c 基隆港域 2014 及 歷年 X 站 每月 (季) 週期統計量比較圖

Month

V140KLX0.TT1 V440KLX0.TT1

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STAV1X.BAT(STAV1XH.DAT)

2017/08/18

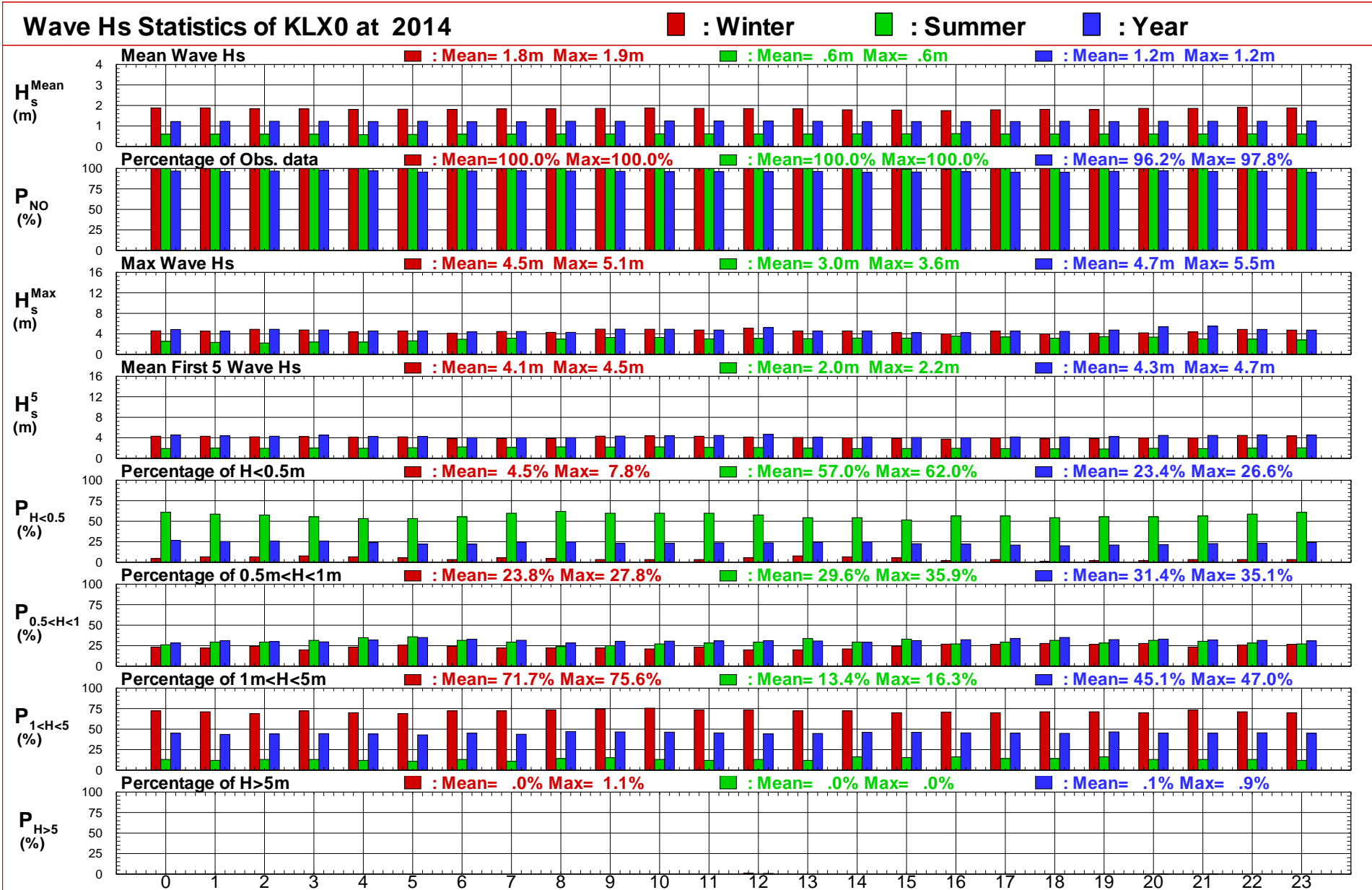


圖 2.3.2a 基隆港域2014冬, 夏及整年 X 站每時波高統計量比較圖

# Wave Direction Statistics of KLX0 at 2014

■ : Winter    ■ : Summer    ■ : Year

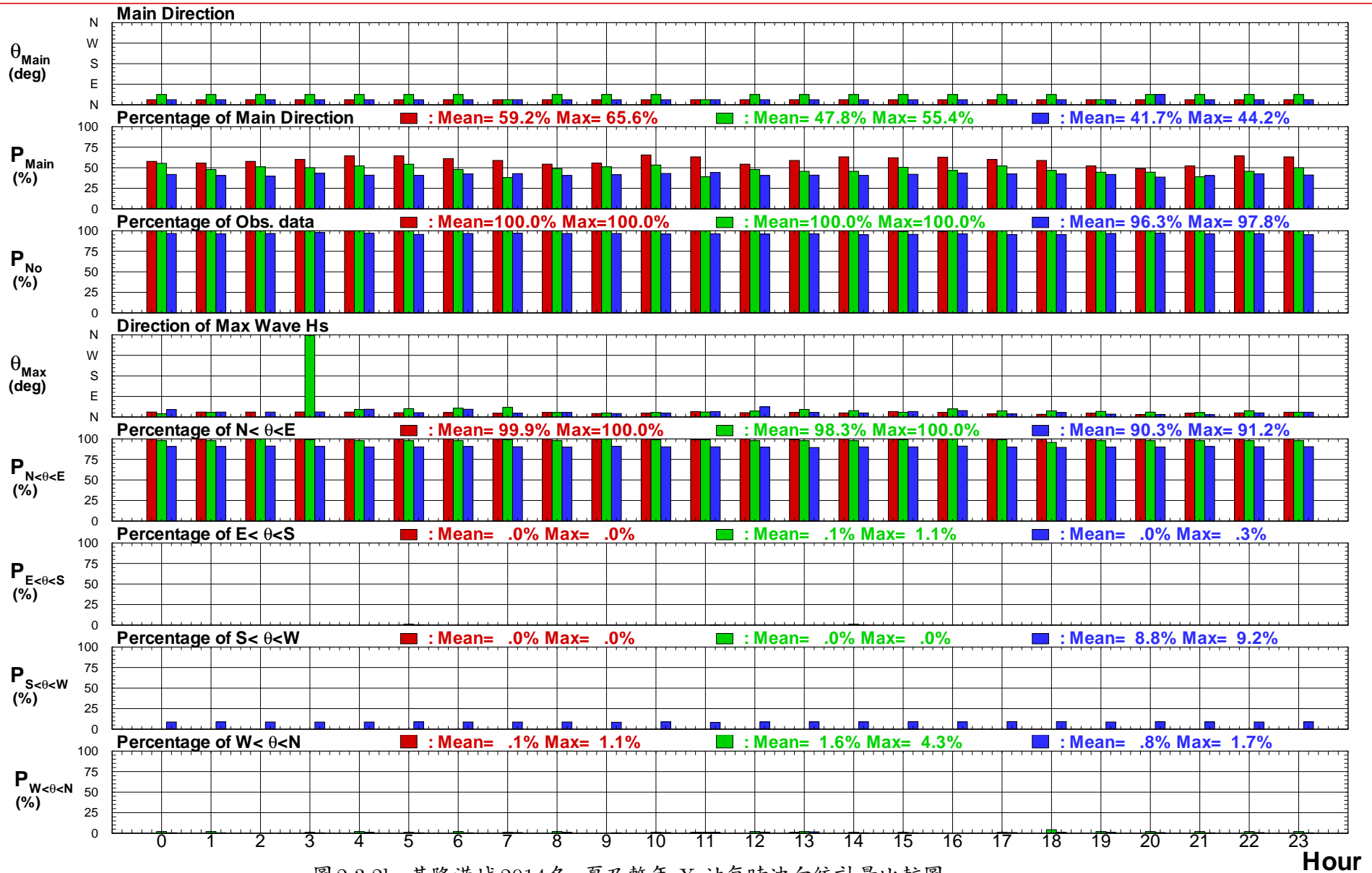


圖 2.3.2b 基隆港域2014冬, 夏及整年 X 站每時波向統計量比較圖

# Wave Tp Statistics of KLX0 at 2014

■ : Winter ■ : Summer ■ : Year

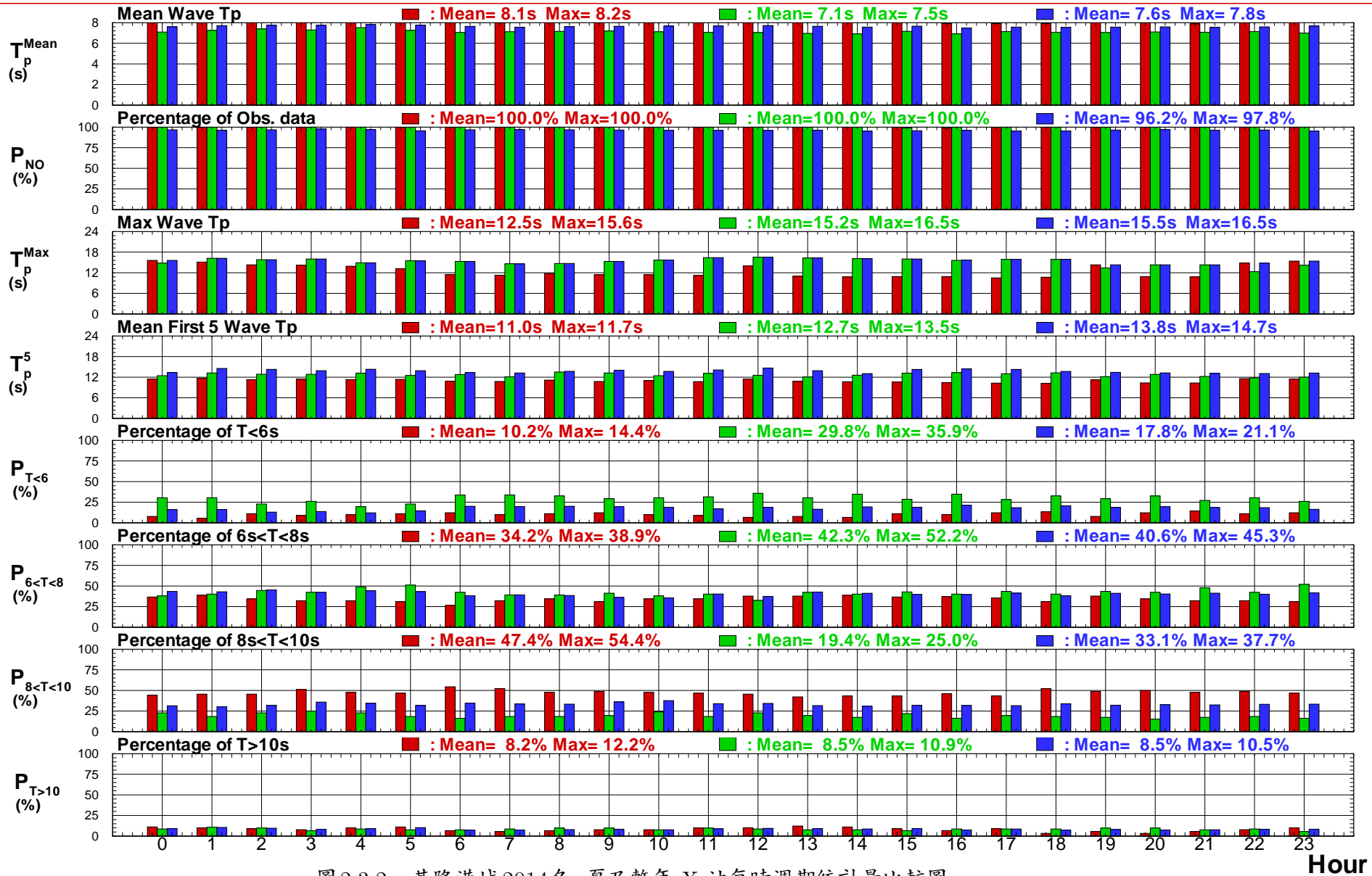


圖 2.3.2c 基隆港域 2014 冬, 夏及整年 X 站每時週期統計量比較圖

# Wave Hs Statistics of KLX0 at Years

■ : Winter    ■ : Summer    ■ : Year

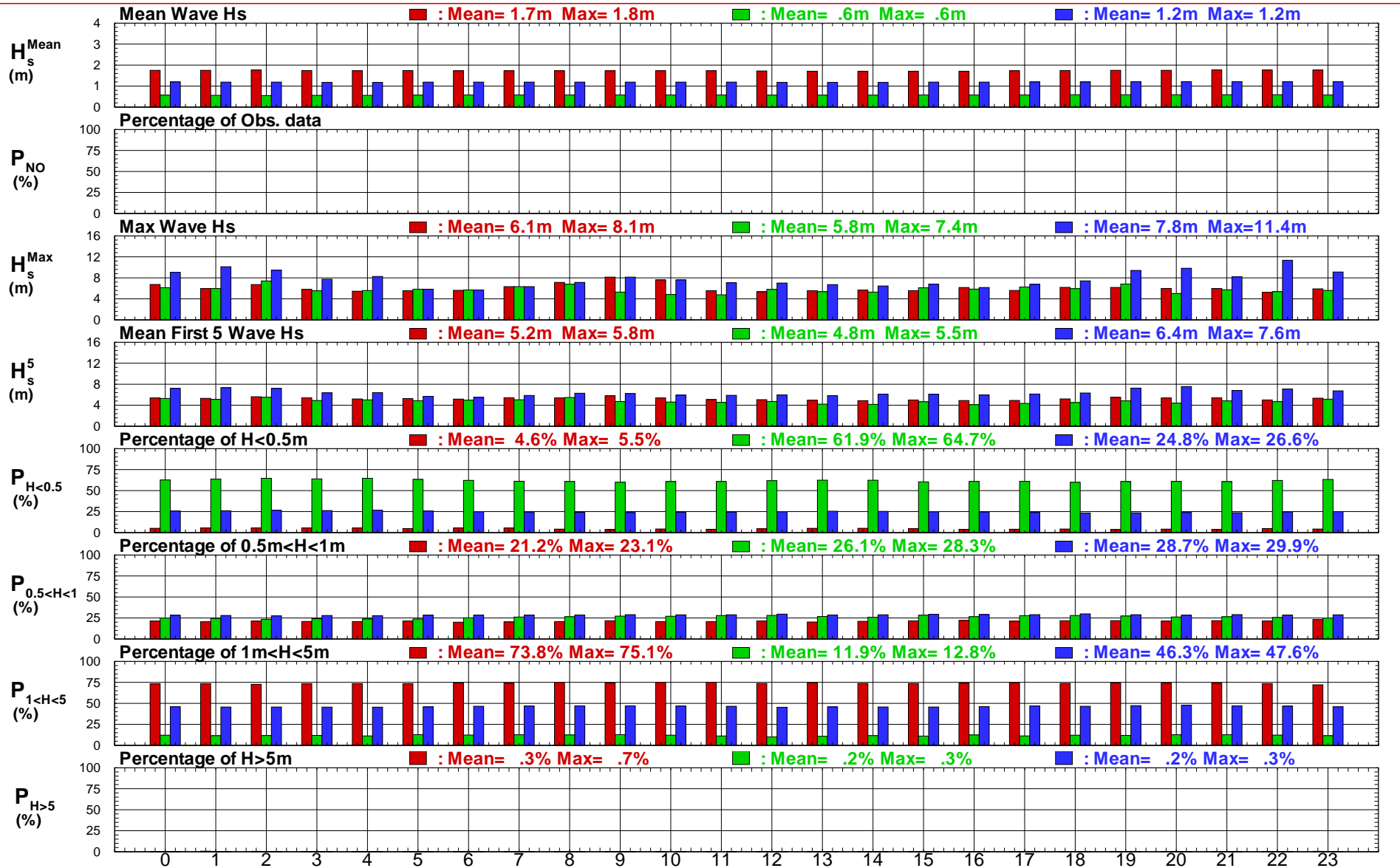


圖 2.3.2d 基隆港域歷年冬, 夏及整年 X 站每時波高統計量比較圖

Hour

2-3-7

# Wave Direction Statistics of KLX0 at Years

■ : Winter    ■ : Summer    ■ : Year

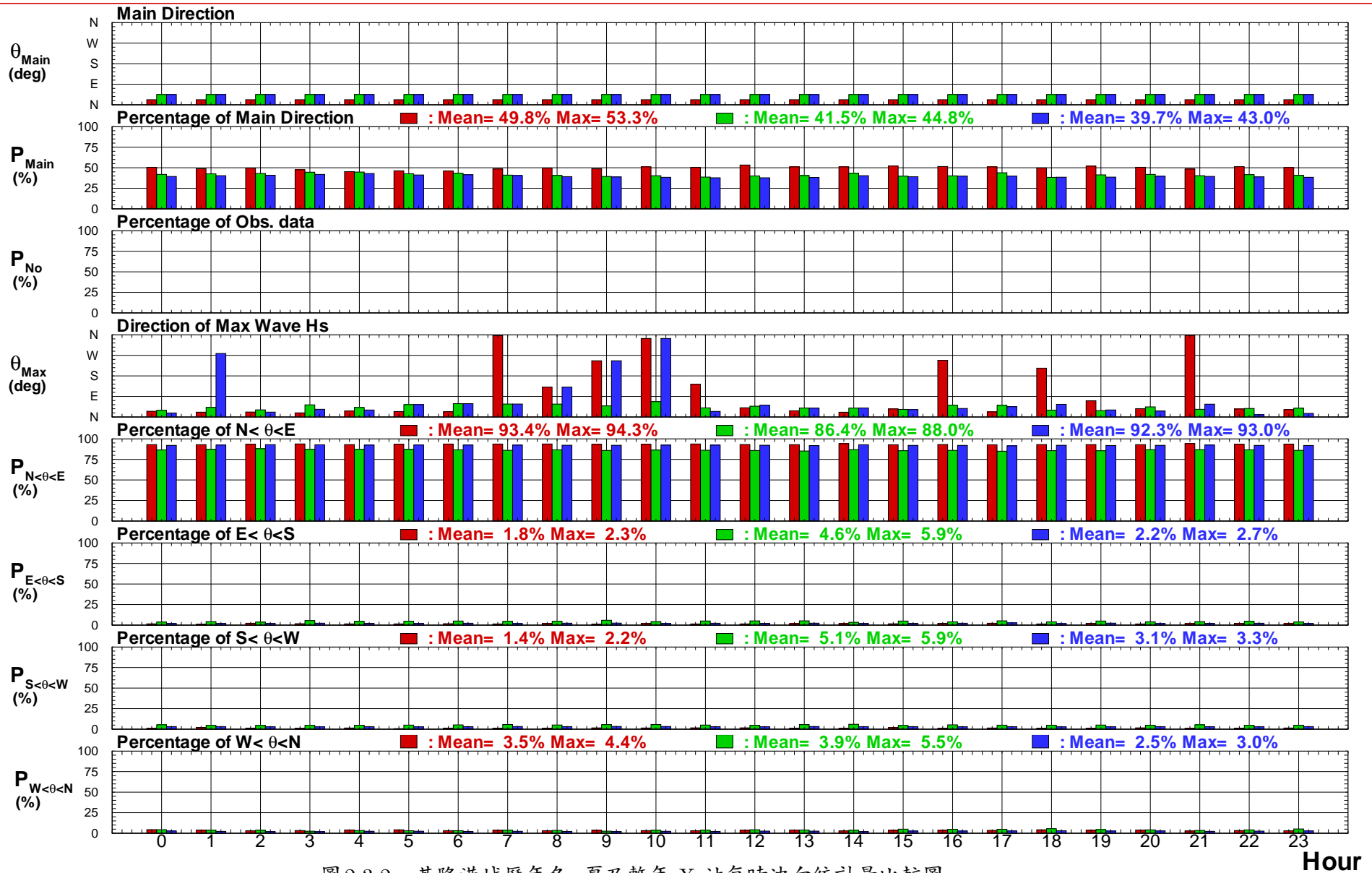


圖 2.3.2e 基隆港域歷年冬, 夏及整年 X 站每時波向統計量比較圖

2-3-8



# Wave Tp Statistics of KLX0 at Years

■ : Winter ■ : Summer ■ : Year

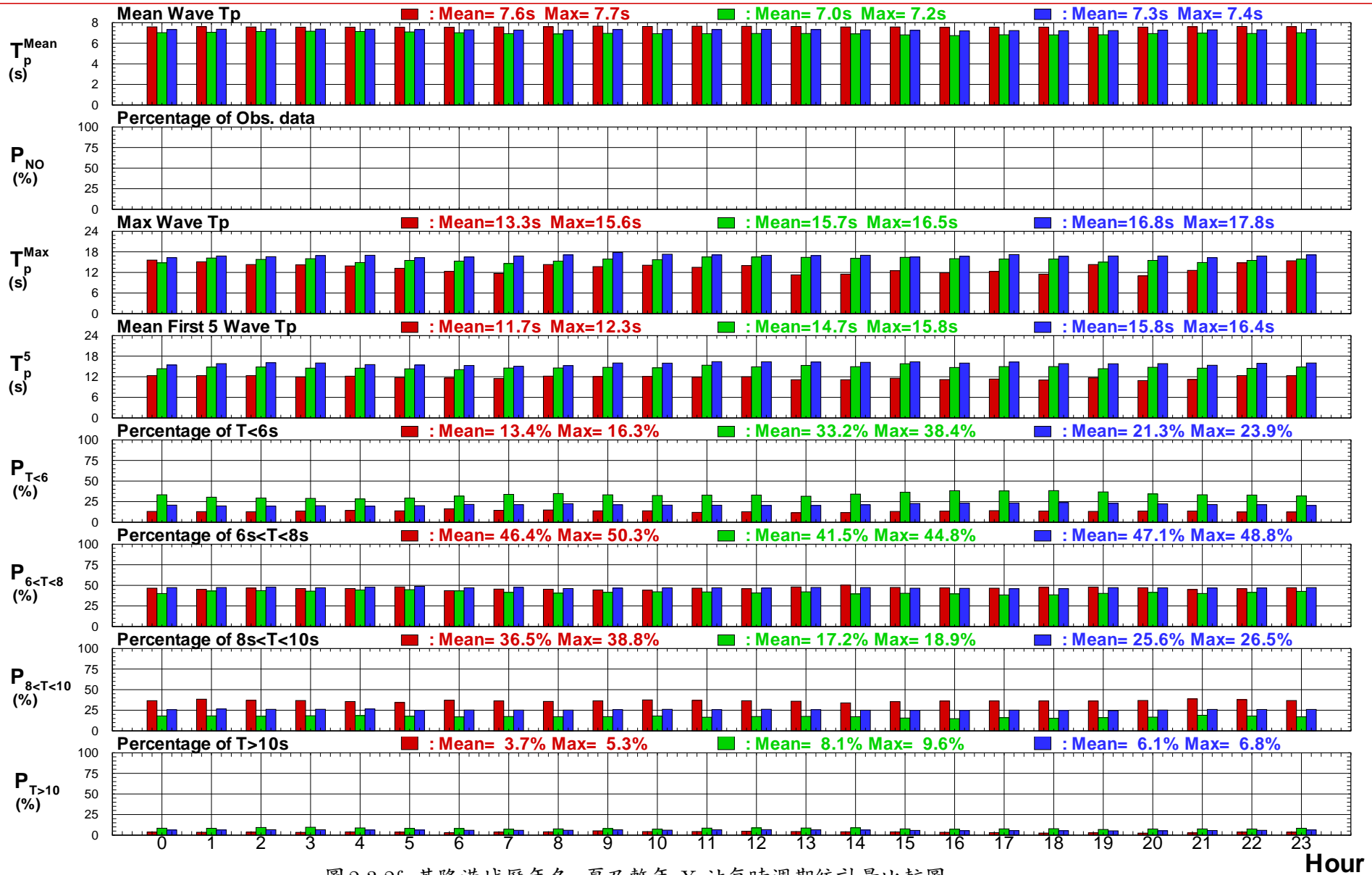


圖 2.3.2f 基隆港域歷年冬, 夏及整年 X 站每時週期統計量比較圖

Hour

V440KLX0.TT2 V440KLX0.TT2 V440KLX0.TT2

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2-3-9

# Wave Hs Statistics of KLX0 at 2014

■ : Winter   ■ : Summer   ■ : Year

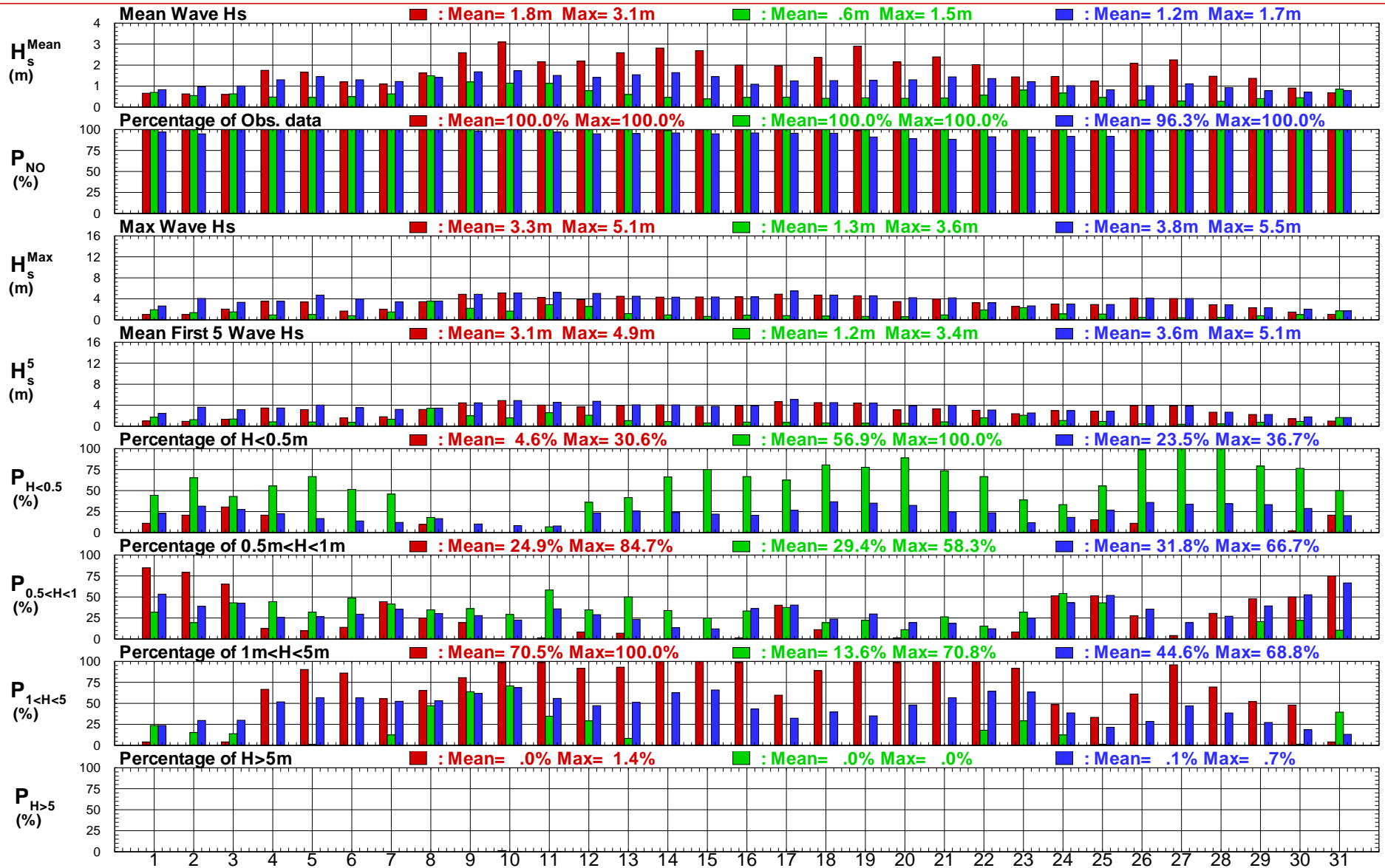


圖 2.3.3a 基隆港域2014冬, 夏及整年 X 站每日波高統計量比較圖

# Wave Direction Statistics of KLX0 at 2014

■ : Winter    ■ : Summer    ■ : Year

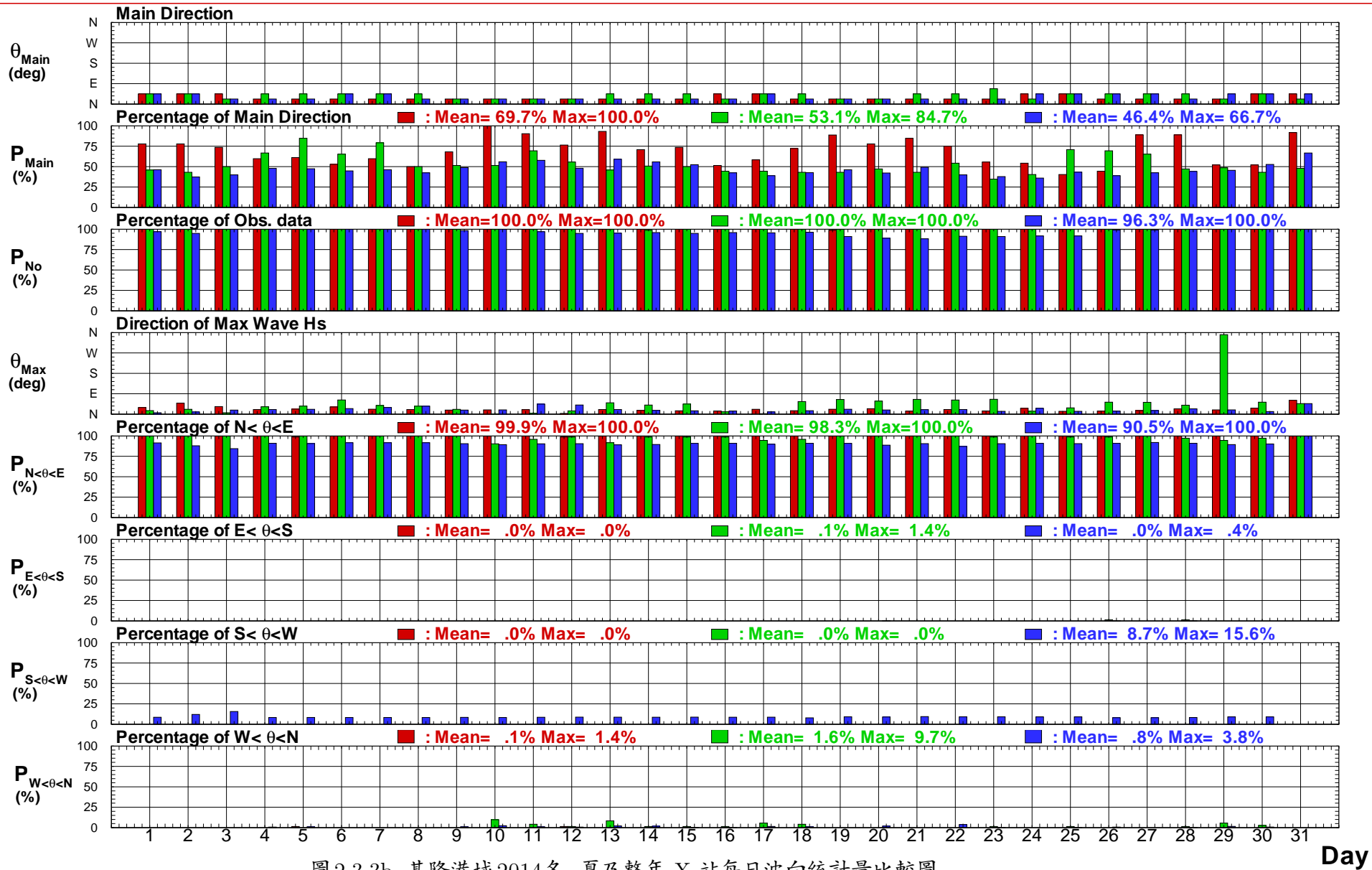


圖 2.3.3b 基隆港域2014冬, 夏及整年 X 站每日波向統計量比較圖

2-3-11

# Wave Tp Statistics of KLX0 at 2014

■ : Winter ■ : Summer ■ : Year

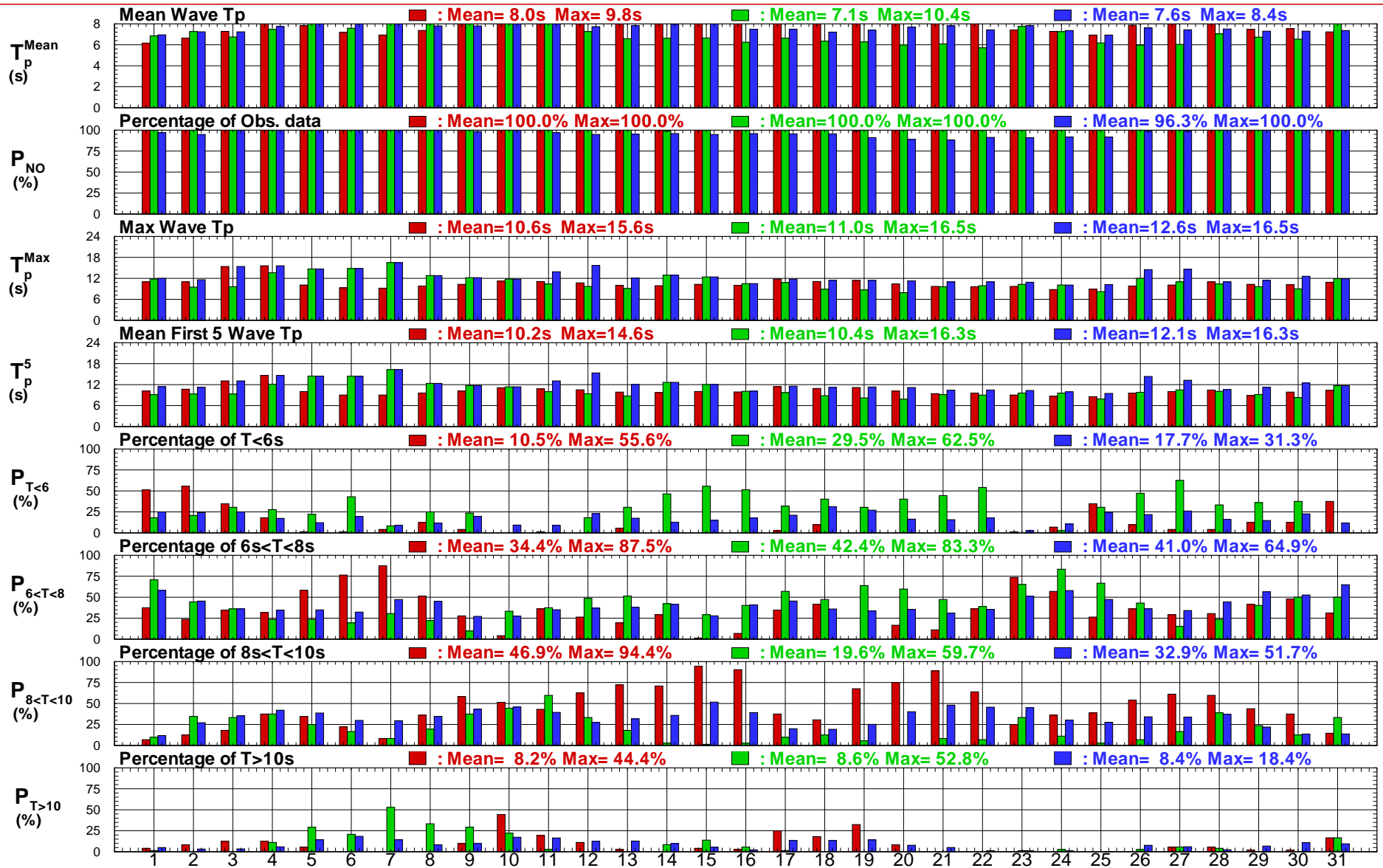


圖 2.3.3c 基隆港域2014冬, 夏及整年 X 站每日週期統計量比較圖

Day

V140KLX0.TT3 V140KLX0.TT3 V140KLX0.TT3

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STAV1X.BAT(STAV1XH.DAT)

2017/08/18

2-3-12

# Wave Hs Statistics of KLX0 at Years

■ : Winter    ■ : Summer    ■ : Year

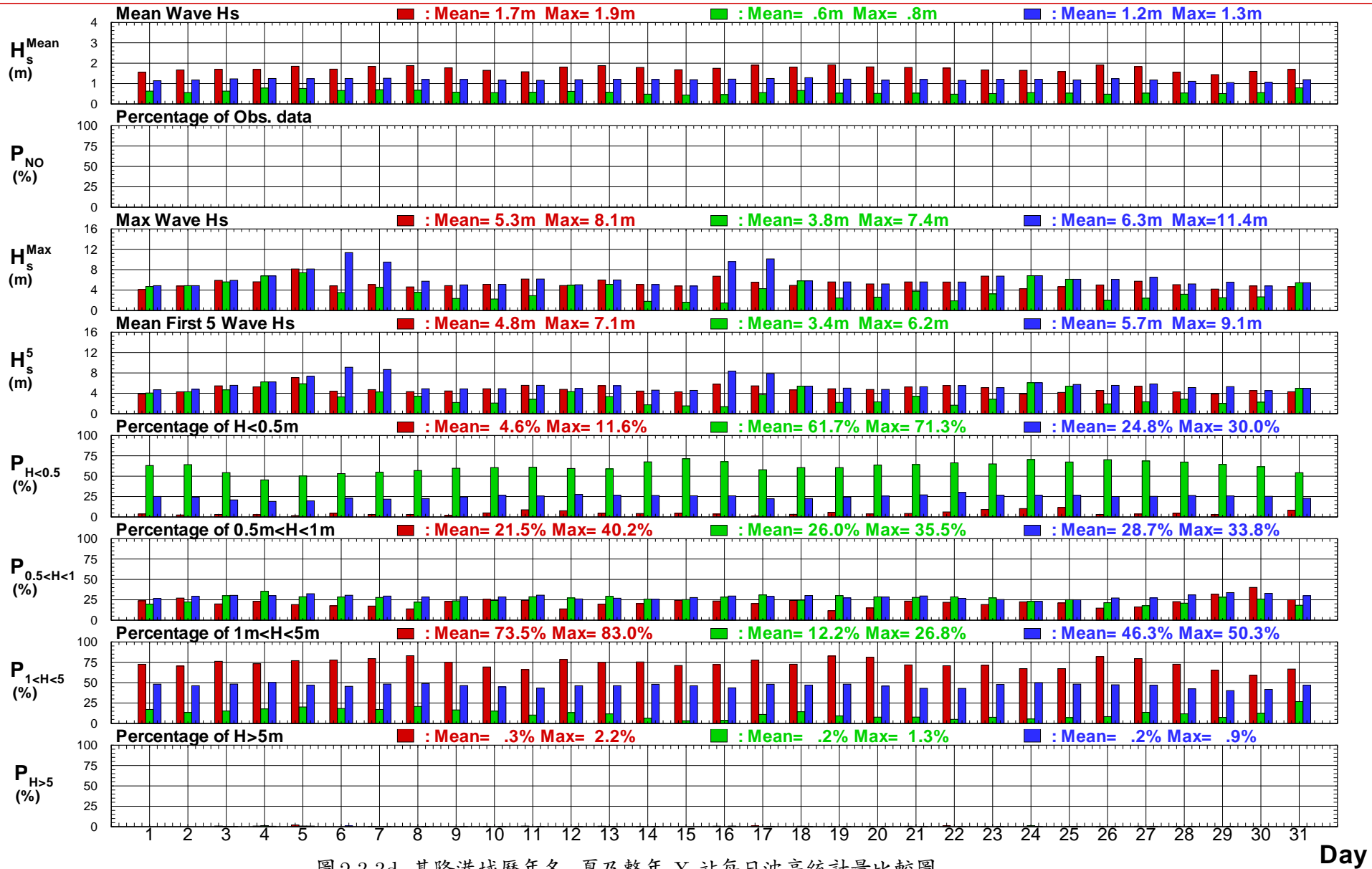


圖 2.3.3d 基隆港域歷年冬, 夏及整年 X 站每日波高統計量比較圖

V440KLX0.TS3 V440KLX0.TS3 V440KLX0.TS3

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STAV1X.BAT(STAV1XH.DAT)

2017/08/18

2-3-13

# Wave Direction Statistics of KLX0 at Years

■ : Winter    ■ : Summer    ■ : Year

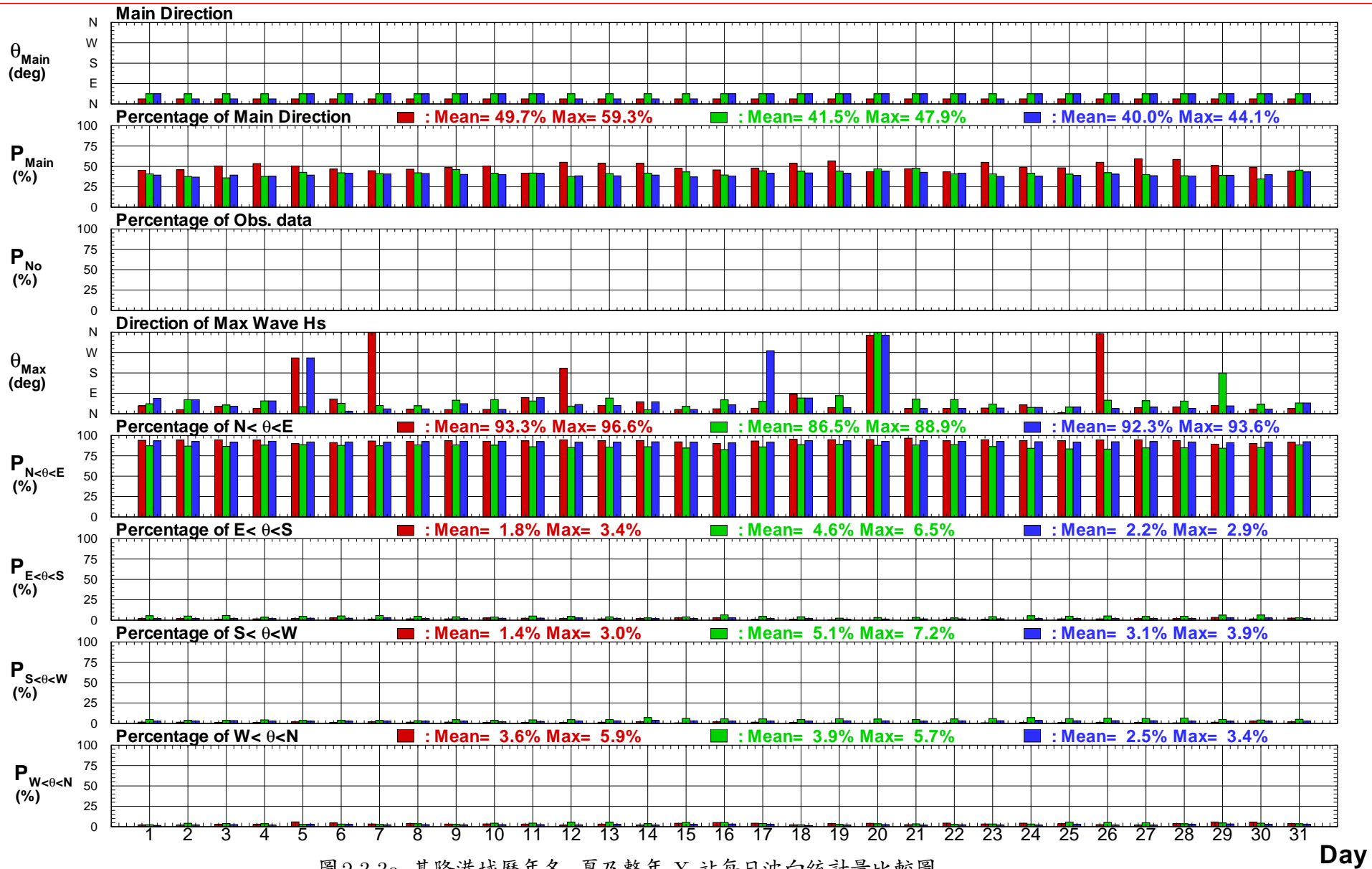


圖 2.3.3e 基隆港域歷年冬, 夏及整年 X 站每日波向統計量比較圖

2-3-14

# Wave Tp Statistics of KLX0 at Years

■ : Winter ■ : Summer ■ : Year

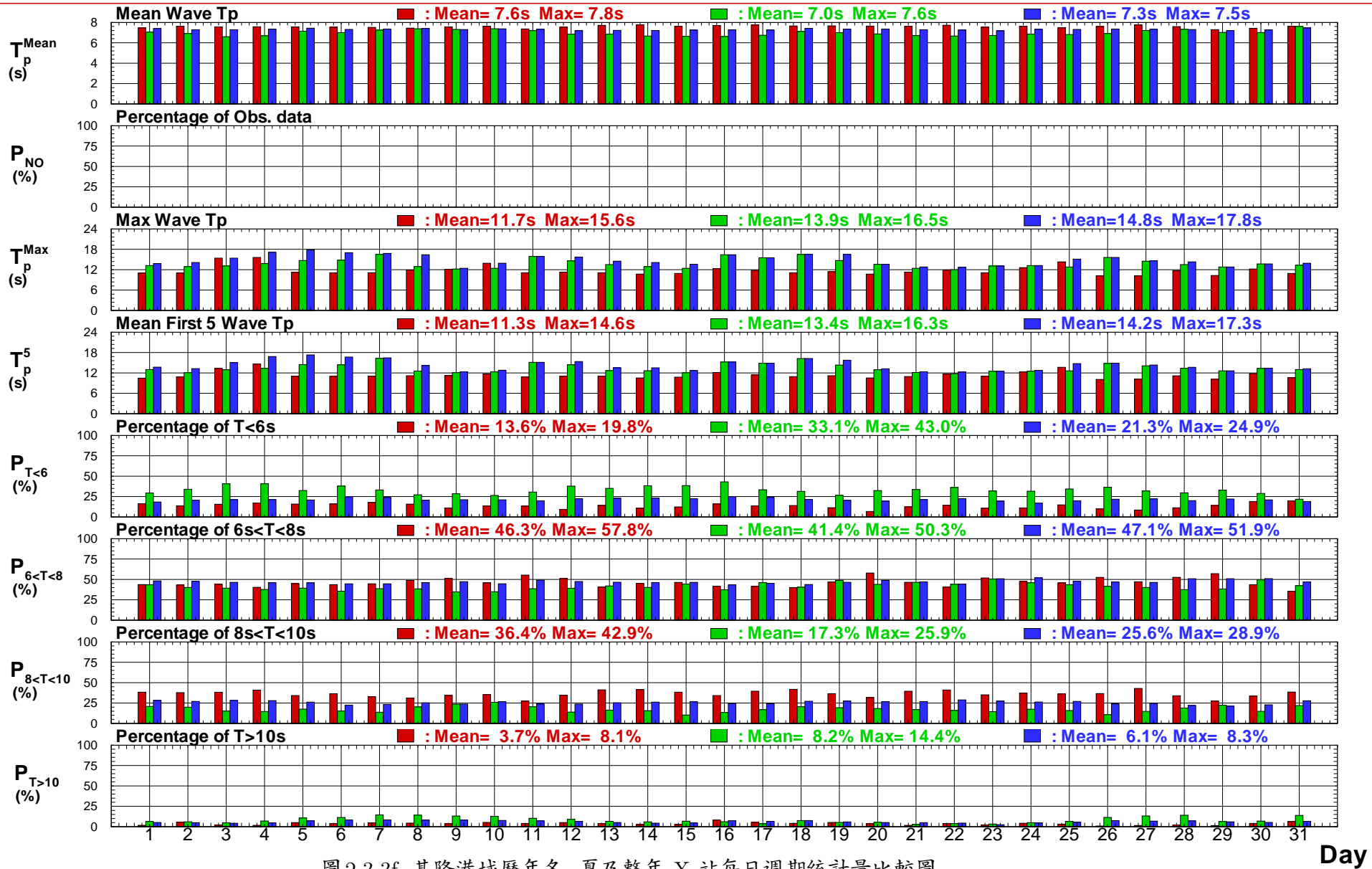


圖 2.3.3f 基隆港域歷年冬, 夏及整年 X 站每日週期統計量比較圖

V440KLX0.TT3 V440KLX0.TT3 V440KLX0.TT3

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STAV1X.BAT(STAV1XH.DAT)

2017/08/18

2-3-15

# Histograms of Wave H<sub>s</sub> of KLX0

■: 2014

■: Years

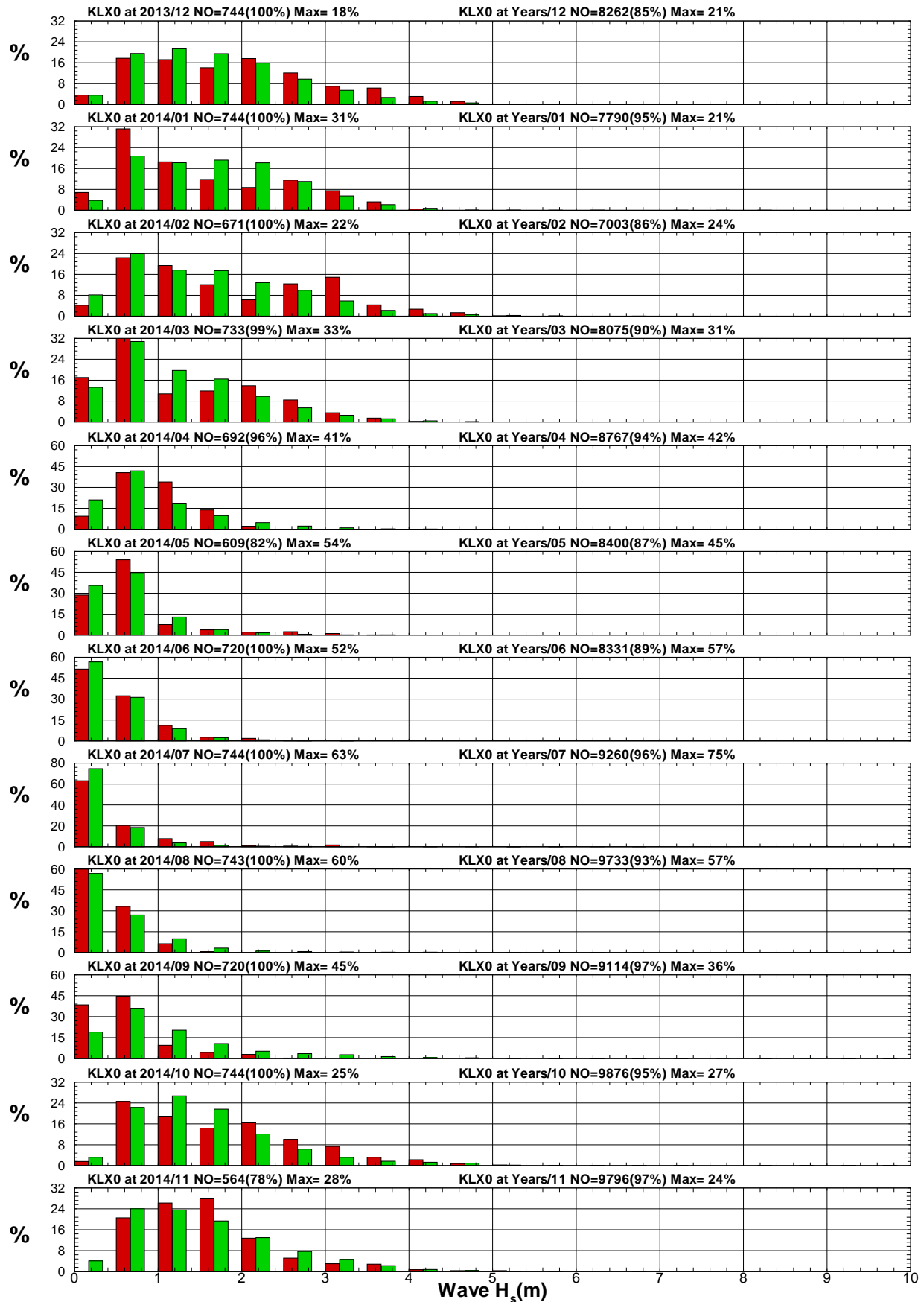


圖 2.3.4a 2014 年及歷年基隆港域每月測站 X 波高統計方塊圖

V13CKLX0.IHQ V141KLX0.IHQ V142KLX0.IHQ V143KLX0.IHQ V144KLX0.IHQ V145KLX0.IHQ  
 V146KLX0.IHQ V147KLX0.IHQ V148KLX0.IHQ V149KLX0.IHQ V14AKLX0.IHQ V14BKLX0.IHQ

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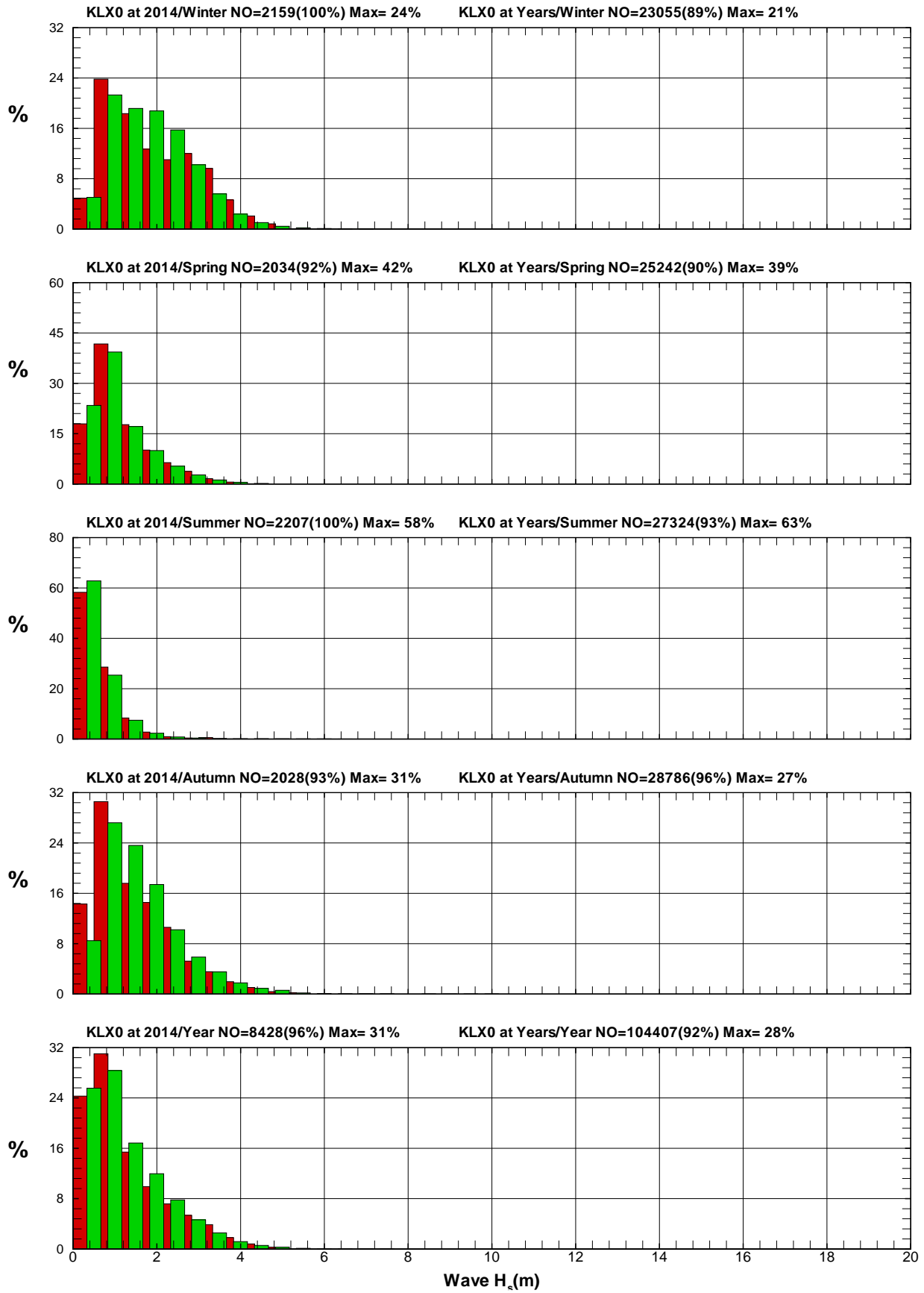


圖 2.3.4b 2014年及歷年基隆港域每季測站 X 波高統計方塊圖

# Histograms of Wave Direction of KLX0

2014

Years

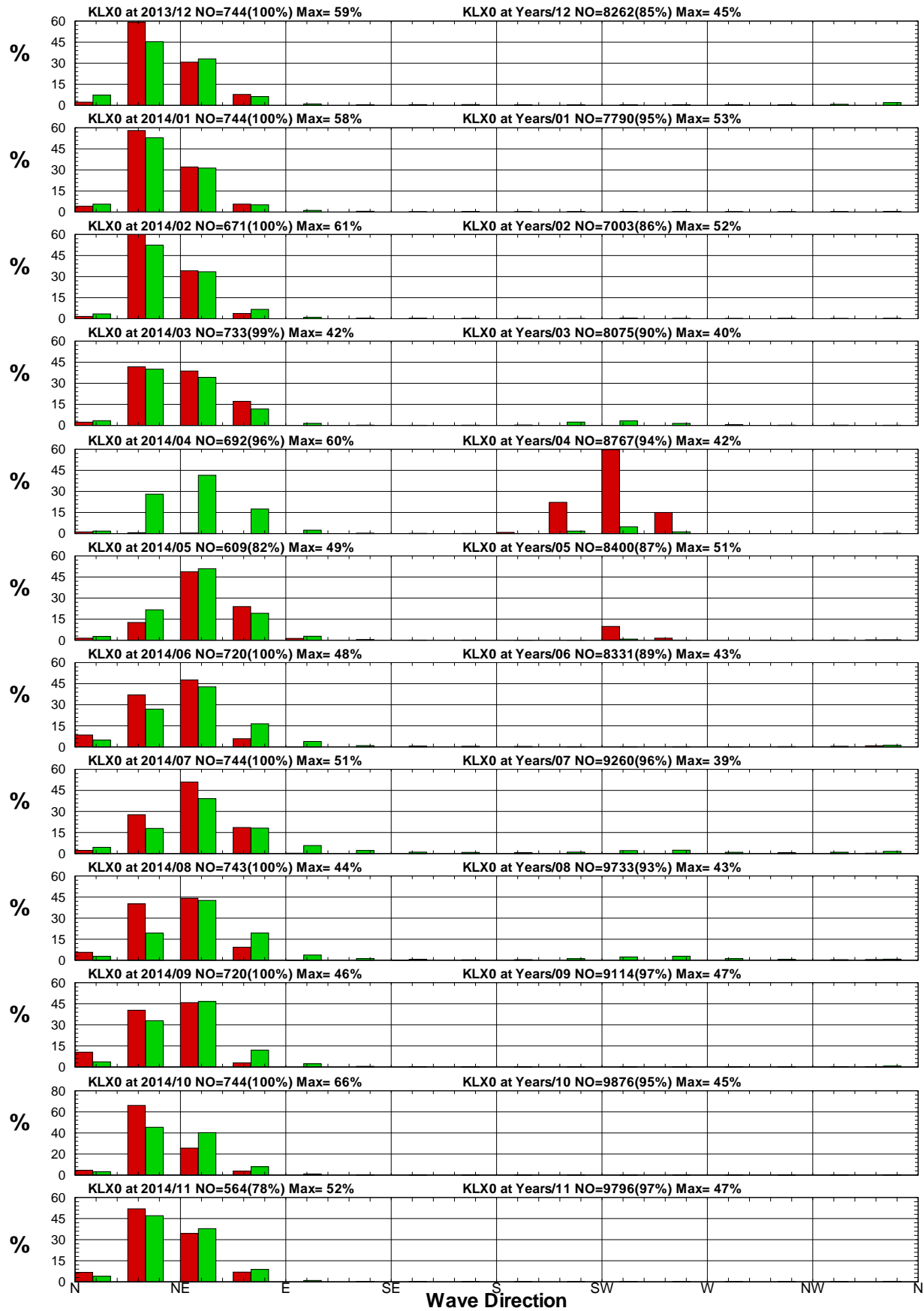


圖 2.3.4c 2014年及歷年基隆港域每月測站 X 波向統計方塊圖

V13CKLX0.IDQ V141KLX0.IDQ V142KLX0.IDQ V143KLX0.IDQ V144KLX0.IDQ V145KLX0.IDQ  
V146KLX0.IDQ V147KLX0.IDQ V148KLX0.IDQ V149KLX0.IDQ V14AKLX0.IDQ V14BKLX0.IDQ

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# Histograms of Wave Direction of KLX0

█: 2014

█: Years

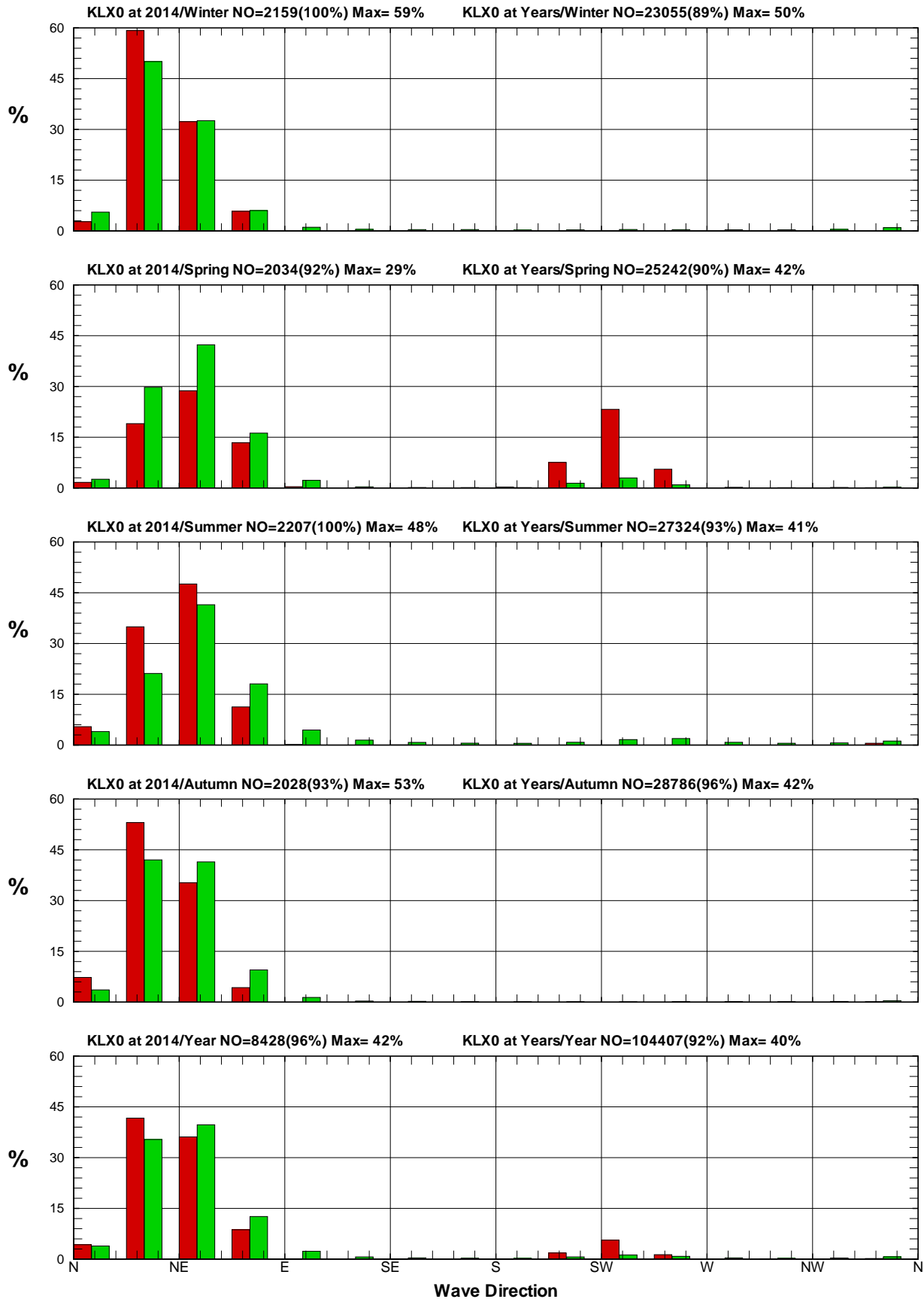


圖 2.3.4d 2014年及歷年基隆港域每季測站 X 波向統計方塊圖

V14WKLX0.IDQ V14NKLX0.IDQ V14SKLX0.IDQ V14FKLX0.IDQ V140KLX0.IDQ

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# Histogrammes of Wave Tp of KLX0

■: 2014

■: Years

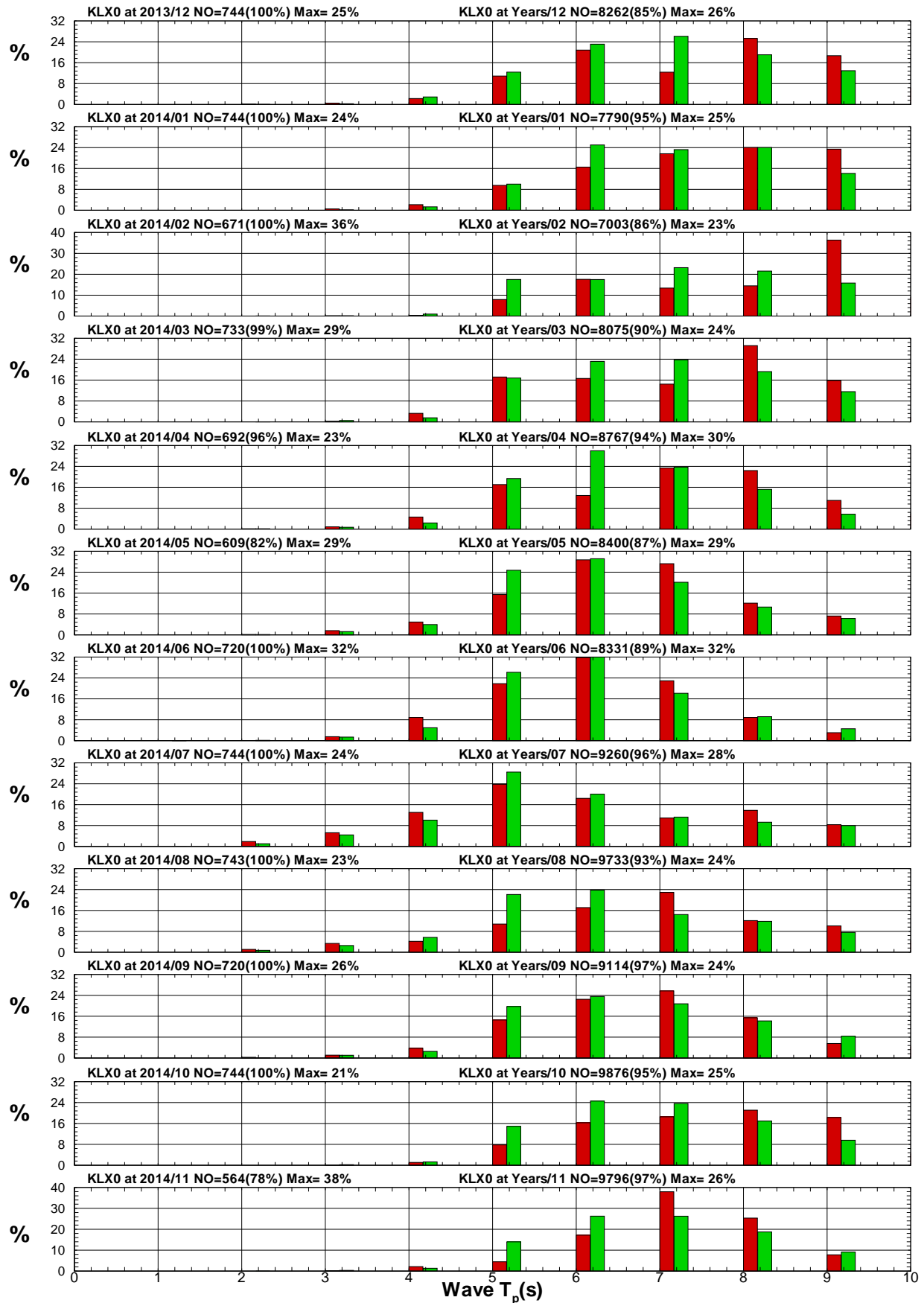


圖 2.3.4e 2014年及歷年基隆港域每月測站 X 週期統計方塊圖

V13CKLX0.ITQ V141KLX0.ITQ V142KLX0.ITQ V143KLX0.ITQ V144KLX0.ITQ V145KLX0.ITQ  
 V146KLX0.ITQ V147KLX0.ITQ V148KLX0.ITQ V149KLX0.ITQ V14AKLX0.ITQ V14BKLX0.ITQ

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# Histogrammes of Wave Tp of KLX0

█: 2014    █: Years

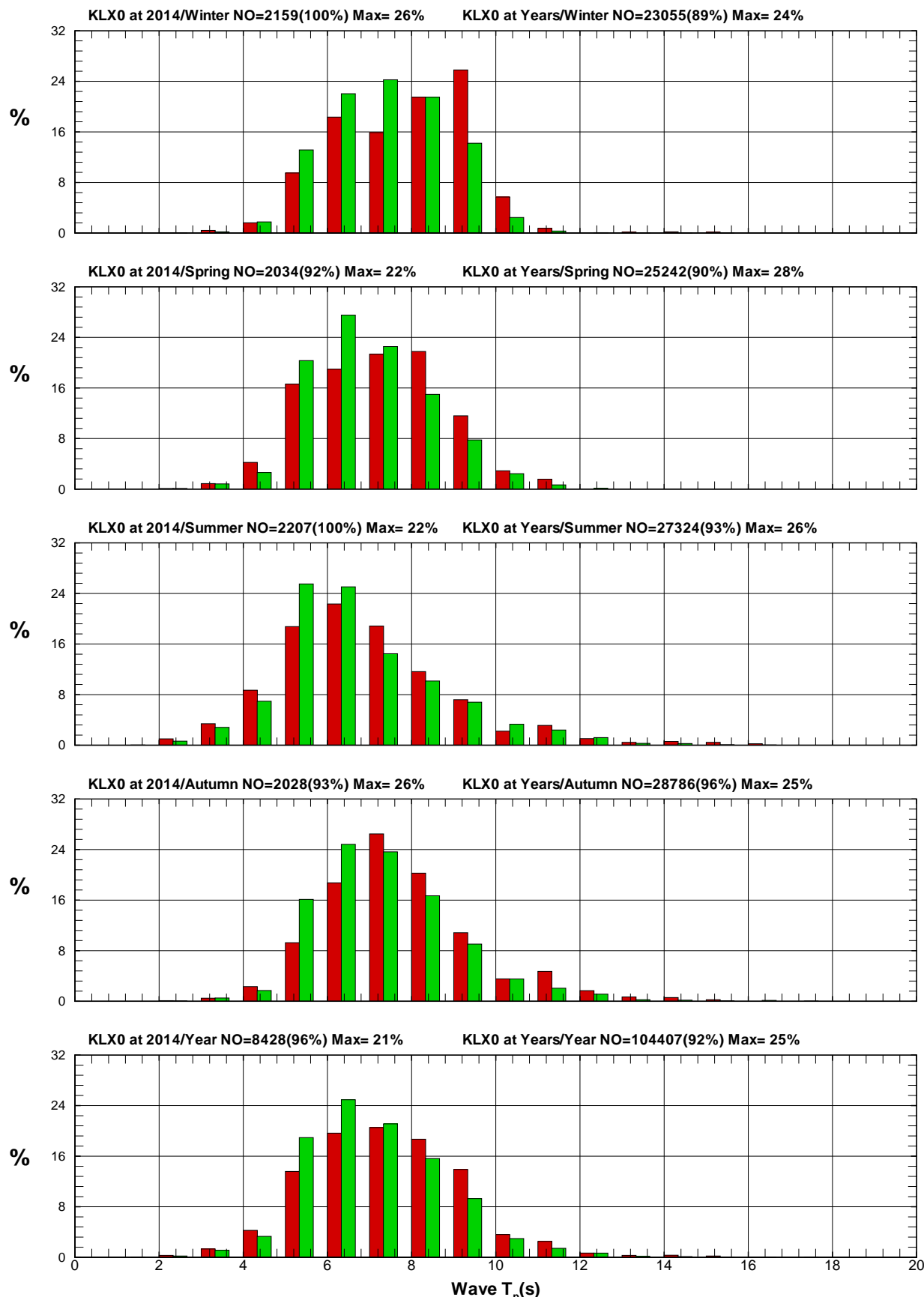


圖 2.3.4f 2014年及歷年基隆港域每季測站 X 週期統計方塊圖

V14WKLX0.ITQ V14NKLX0.ITQ V14SKLX0.ITQ V14FKLX0.ITQ V140KLX0.ITQ

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# Rose Diagram of Wave

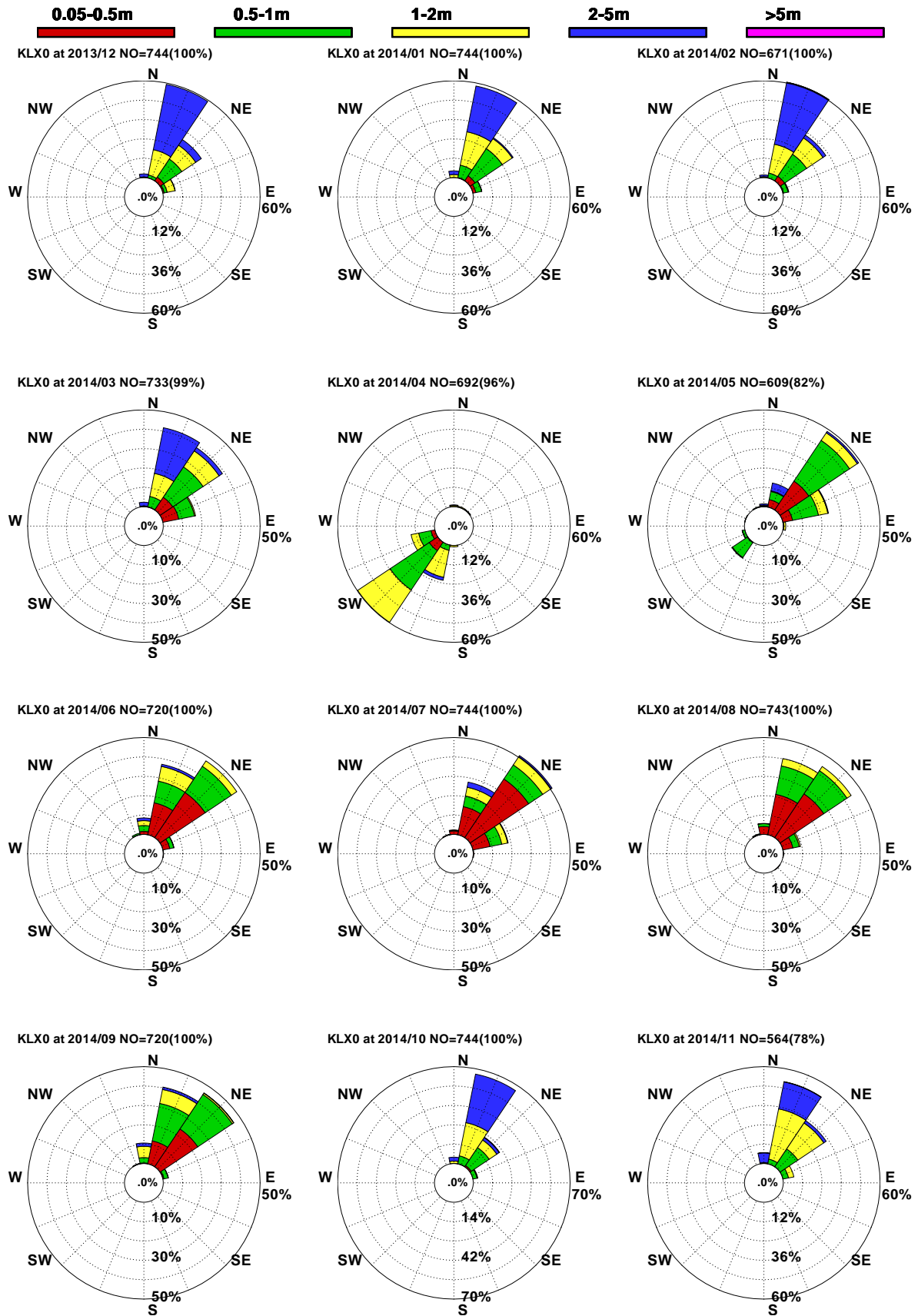


圖 2.3.5a 2014年基隆港域每月測站 X 觀測浪玫瑰圖

V13CKLX0.RDB V141KLX0.RDB V142KLX0.RDB V143KLX0.RDB V144KLX0.RDB V145KLX0.RDB  
 V146KLX0.RDB V147KLX0.RDB V148KLX0.RDB V149KLX0.RDB V14AKLX0.RDB V14BKLX0.RDB

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# Rose Diagram of Wave

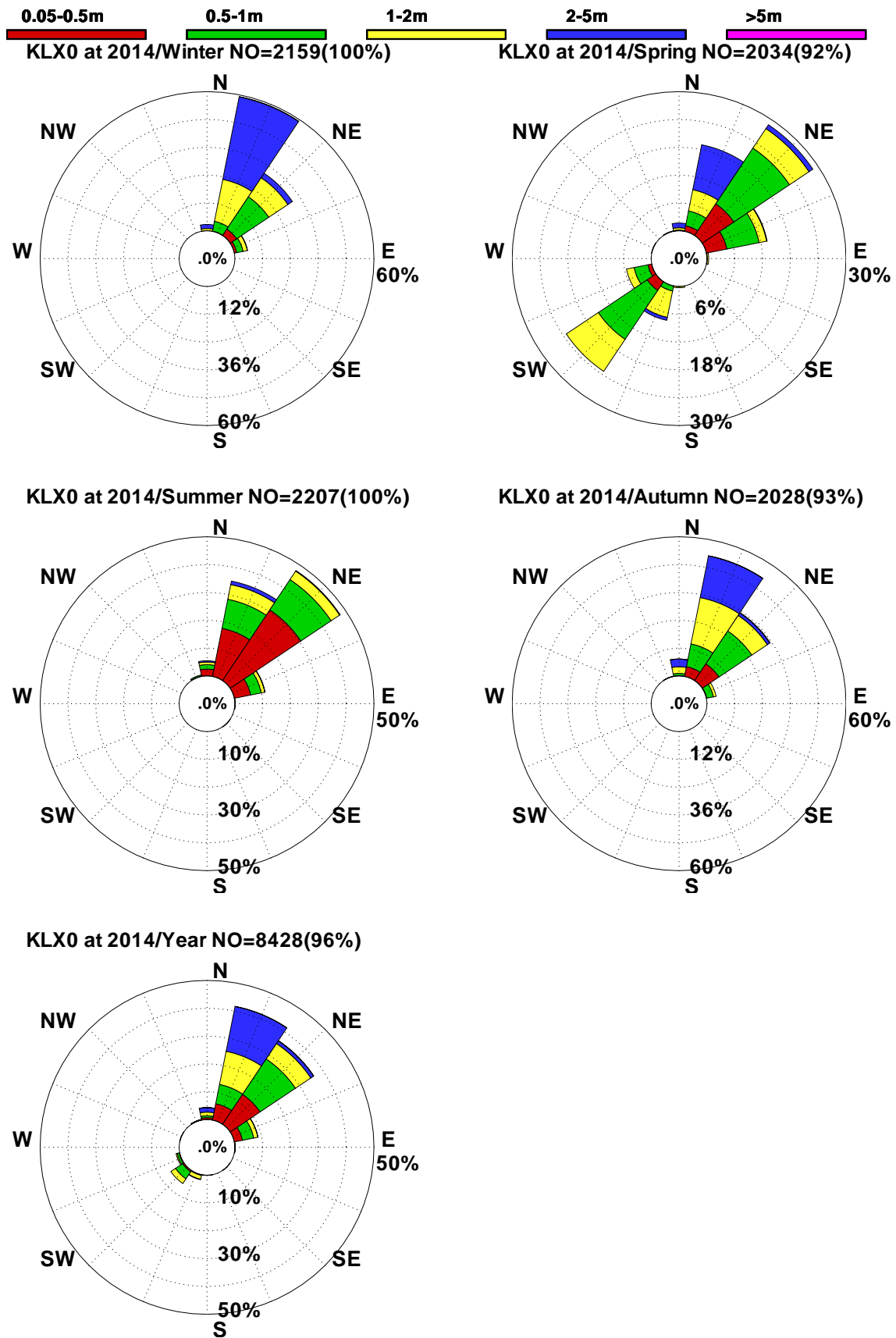


圖 2.3.5b 2014年基隆港域每季測站 X 觀測浪玫瑰圖

# Rose Diagram of Wave

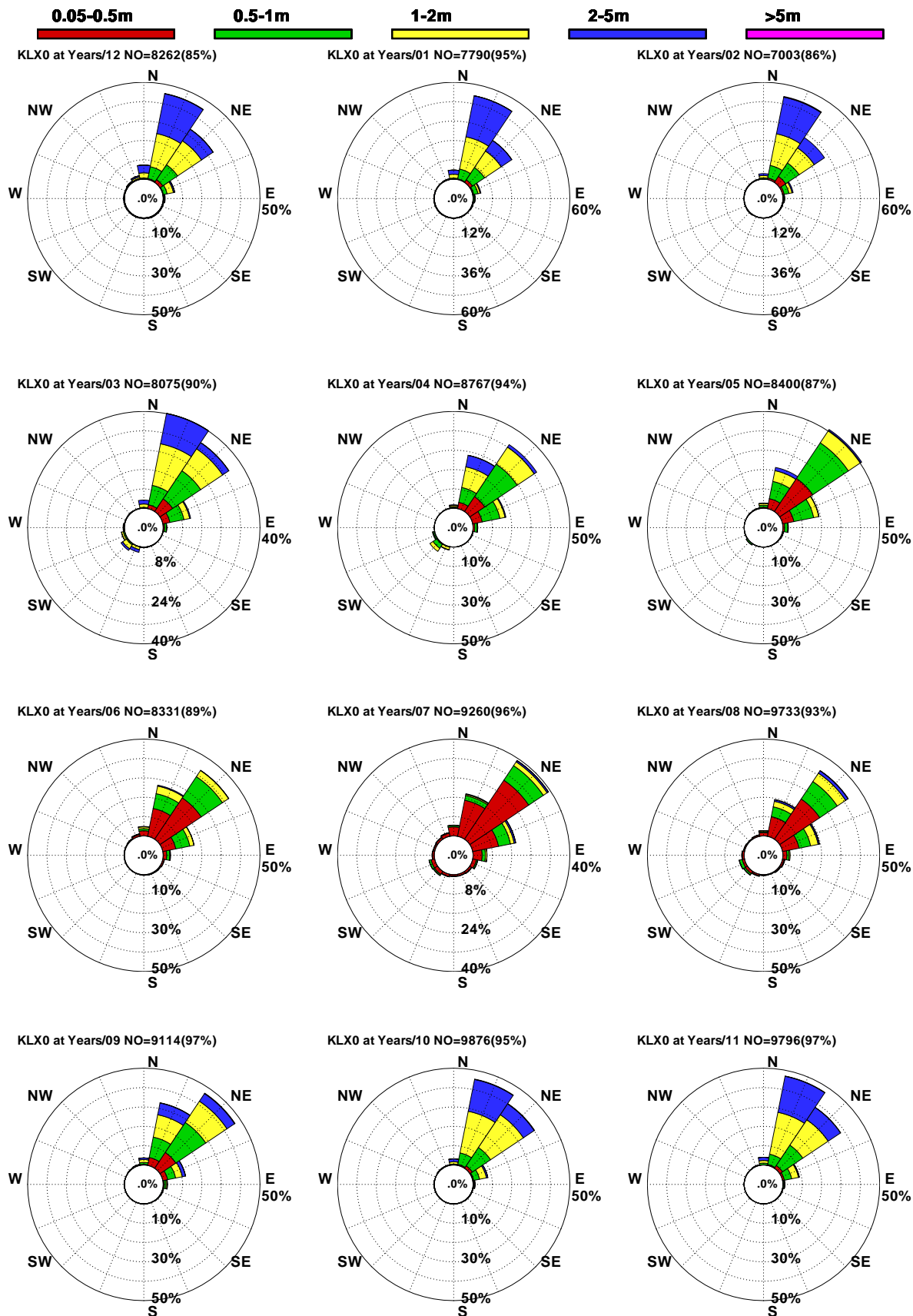


圖 2.3.5c 歷年基隆港域每月測站 X 觀測浪玫瑰圖

V44CKLX0.RDB V441KLX0.RDB V442KLX0.RDB V443KLX0.RDB V444KLX0.RDB V445KLX0.RDB  
 V446KLX0.RDB V447KLX0.RDB V448KLX0.RDB V449KLX0.RDB V44AKLX0.RDB V44BKLX0.RDB

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# Rose Diagram of Wave

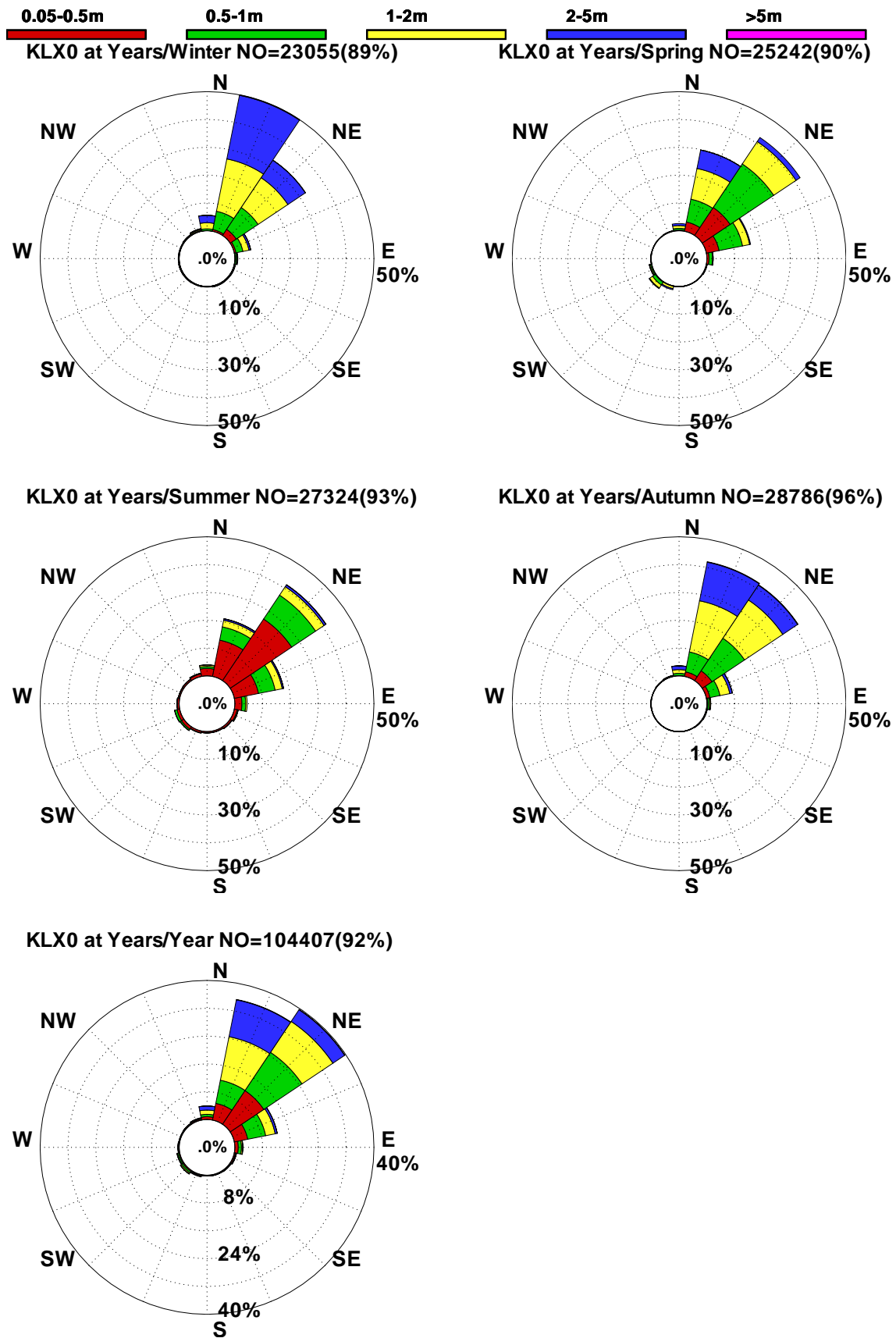


圖 2.3.5d 歷年基隆港域每季測站 X 觀測浪玫瑰圖



### 第三章 2014 年基隆港域觀測潮汐資料統計圖表

#### 3.1 基隆港域潮汐觀測位置及資料蒐集處理分析

基隆港域潮汐之觀測係本中心於 2001 年 6 月安置 AWCP，在基隆港東防波堤堤頭外水深 44 公尺處(測站 X0)，位置如附圖 3.1.1，2006 年 8 月因防波堤延伸工程，移至西防波堤堤外水深 36 公尺位置(測站 X1)。2011 年 8 月安裝在東防波堤堤頭北方約 200 公尺，水深 48 公尺位置(測站 X2)。另 2002 年 6 月本中心於港區安裝 Water Log 公司潮位計(稱測站 T)。北端海域(富貴角~龍洞)潮汐包括基隆港觀測站(測站 F)、龍洞(測站 J)、麟山鼻(測站 K)、澎佳嶼(測站 P)是由中央氣象局設置。各測站歷年各站觀測潮汐資料蒐集概況如表 3.1.1。

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

表 3.1.1 北端海域觀測潮汐資料蒐集概況表(統計時間至 2014 年 11 月)

| 測站 | 緯度         | 經度          | 觀測期間                 | 觀測單位  | 備註     |
|----|------------|-------------|----------------------|-------|--------|
| T  | 25°09'19"N | 121°45'09"E | 2002/07-2014/11(觀測中) | 港研中心  | 基港潮位計  |
| X0 | 25°09'50"N | 121°45'14"E | 2001/06-2006/05      | 港研中心  | 基港東堤外海 |
| X1 | 25°44'58"N | 121°44'58"E | 2006/08-2011/07      | 港研中心  | 基港西堤外海 |
| X2 | 25°09'57"N | 121°45'17"E | 2011/08-2014/11(觀測中) | 港研中心  | 基港東堤外海 |
| F  | 25°09'18"N | 121°45'08"E | 1966/01-2014/11(觀測中) | 中央氣象局 |        |
| J  | 25°05'51"N | 121°55'05"E | 2013/12-2014/11(觀測中) | 中央氣象局 | 龍洞潮位站  |
| K  |            |             | 2013/12-2014/11(觀測中) | 中央氣象局 | 麟山鼻潮位站 |
| P  |            |             | 2014/06-2014/11(觀測中) | 中央氣象局 | 澎佳嶼潮位站 |

本年報以取經檢核後之 T 站資料(稱主要測站)作為潮汐統計分析，2014 年及歷年每月觀測之流資料記錄期間統計表，如表 3.1.2。

2014 年整年期間為 2013/12/01~2014/11/30，2014 年冬季期間為 2013/12/01~2014/02/29，2014 年春季期間為 2014/03/01~2014/05/30，2014 年夏季期間為 2014/06/01~2014/08/31，2014 年秋季定義期間為 2014/09/01~2014/11/30。

歷年定義期間為 2002/06/16~2014/11/30 計 13 年，歷年冬季期間定義歷年期間包括 12 月、1 月及 2 月等 3 個月份，歷年春季期間定義歷年期間包括 3 月、4 月及 5 月等 3 個月份，歷年夏季期間定義為歷年期間包括 6 月、7 月及 8 月等 3 個月份，歷年秋季期間定義為歷年期間包括 9 月、10 月及 11 月等 3 個月份。

**基隆港域潮汐資料統計表如本章第二節，包括：**

1. 主要測站潮汐重要物理量 2014 年及歷年分月、分季、分年之潮位重要物理量統計表。
2. 2014 颱風期間潮汐資料記錄統計表及重要物理量統計表。
3. 2014 及歷年分月、分季、分年之潮位向分佈百分比統計表。
4. 2014 及歷年分月、分季、分年逐時潮位平均值及最大值統計表。
5. 2014 及歷年分月、分季、分年每日潮位平均值及最大值統計表。
6. 2014 年及歷年分月、分季、分年之潮差及週期聯合分佈百分比統計表

**基隆港域潮汐資料統計圖如本章第三節，包括：**

1. 主要測站潮汐重要物理量 2014 年及歷年分月、分季、分年之潮位重要物理量統計圖。
2. 2014 年及歷年分月季年之逐時潮位平均值(最大值)統計圖。
3. 2014 年及歷年分月季年之每日潮位平均值(最大值)統計圖。
4. 2014 年及歷年分月季年之潮差、週期及潮位方塊圖。

# 北端海域



圖 3.1.1 北端海域潮汐觀測站位置示意圖

表4.1.2 基隆港域潮汐主要測站2014年及歷年觀測資料紀錄統計

| 序號 | 測站 | 檔名           | 啓止時間<br>(年、月、日、時)             | 觀測<br>天數 | 觀測<br>筆數 | 缺失<br>筆數 | 實際<br>筆數 | 資料缺失日 |
|----|----|--------------|-------------------------------|----------|----------|----------|----------|-------|
| 1  | T  | T13CKLT0.1H0 | 2013/12.01.00:~2013/12.31.23: | 31       | 744      | 0        | 744      |       |
| 2  | T  | T141KLT0.1H0 | 2014/01.01.00:~2014/01.31.23: | 31       | 744      | 0        | 744      |       |
| 3  | T  | T142KLT0.1H0 | 2014/02.01.00:~2014/02.28.23: | 28       | 672      | 0        | 672      |       |
| 4  | T  | T143KLT0.1H0 | 2014/03.01.00:~2014/03.31.23: | 31       | 744      | 0        | 744      |       |
| 5  | T  | T144KLT0.1H0 | 2014/04.01.00:~2014/04.30.23: | 30       | 720      | 0        | 720      |       |
| 6  | T  | T145KLT0.1H0 | 2014/05.01.00:~2014/05.31.23: | 31       | 744      | 0        | 744      |       |
| 7  | T  | T146KLT0.1H0 | 2014/06.01.00:~2014/06.30.23: | 30       | 720      | 0        | 720      |       |
| 8  | T  | T147KLT0.1H0 | 2014/07.01.00:~2014/07.31.23: | 31       | 744      | 0        | 744      |       |
| 9  | T  | T148KLT0.1H0 | 2014/08.01.00:~2014/08.31.23: | 31       | 744      | 0        | 744      |       |
| 10 | T  | T149KLT0.1H0 | 2014/09.01.00:~2014/09.30.23: | 30       | 720      | 0        | 720      |       |
| 11 | T  | T14AKLT0.1H0 | 2014/10.01.00:~2014/10.31.23: | 31       | 744      | 0        | 744      |       |
| 12 | T  | T14BKLT0.1H0 | 2014/11.01.00:~2014/11.30.23: | 30       | 720      | 0        | 720      |       |
| 13 | T  | T14WKLT0.1HV | 2013/12.01.00:~2014/02.28.23: | 90       | 2160     | 0        | 2160     |       |
| 14 | T  | T14NKLT0.1HV | 2014/03.01.00:~2014/05.31.23: | 92       | 2208     | 0        | 2208     |       |
| 15 | T  | T14SKLT0.1HV | 2014/06.01.00:~2014/08.31.23: | 92       | 2208     | 0        | 2208     |       |
| 16 | T  | T14FKLT0.1HV | 2014/09.01.00:~2014/11.30.23: | 91       | 2184     | 0        | 2184     |       |
| 17 | T  | T140KLT0.1HV | 2013/12.01.00:~2014/11.30.23: | 365      | 8760     | 0        | 8760     |       |
| 18 | T  | T44CKLT0.1HV | 2002/12.27.12:~2013/12.31.23: | 317      | 7583     | 142      | 7441     |       |
| 19 | T  | T441KLT0.1HV | 2003/01.01.00:~2014/01.31.23: | 310      | 7440     | 0        | 7440     |       |
| 20 | T  | T442KLT0.1HV | 2003/02.01.00:~2014/02.28.23: | 335      | 8025     | 107      | 7918     |       |
| 21 | T  | T443KLT0.1HV | 2003/03.01.00:~2014/03.31.23: | 372      | 8927     | 46       | 8881     |       |
| 22 | T  | T444KLT0.1HV | 2003/04.01.00:~2014/04.30.23: | 360      | 8639     | 178      | 8461     |       |
| 23 | T  | T445KLT0.1HV | 2003/05.01.00:~2014/05.31.23: | 372      | 8928     | 1        | 8927     |       |
| 24 | T  | T446KLT0.1HV | 2002/06.19.16:~2014/06.30.23: | 370      | 8846     | 246      | 8600     |       |
| 25 | T  | T447KLT0.1HV | 2003/07.01.00:~2014/07.31.23: | 371      | 8891     | 53       | 8838     |       |
| 26 | T  | T448KLT0.1HV | 2002/08.02.16:~2014/08.31.23: | 402      | 9631     | 33       | 9598     |       |
| 27 | T  | T449KLT0.1HV | 2002/09.01.00:~2014/09.30.23: | 360      | 8639     | 8        | 8631     |       |
| 28 | T  | T44AKLT0.1HV | 2002/10.01.00:~2014/10.31.23: | 386      | 9249     | 3        | 9246     |       |
| 29 | T  | T44BKLT0.1HV | 2002/11.01.00:~2014/11.30.23: | 390      | 9349     | 1        | 9348     |       |
| 30 | T  | T44WKLT0.1HV | 2002/12.27.12:~2014/02.28.23: | 962      | 23048    | 249      | 22799    |       |
| 31 | T  | T44NKLT0.1HV | 2003/03.01.00:~2014/05.31.23: | 1104     | 26494    | 225      | 26269    |       |
| 32 | T  | T44SKLT0.1HV | 2002/06.19.16:~2014/08.31.23: | 1143     | 27368    | 332      | 27036    |       |
| 33 | T  | T44FKLT0.1HV | 2002/09.01.00:~2014/11.30.23: | 1136     | 27237    | 12       | 27225    |       |
| 34 | T  | T440KLT0.1HV | 2002/06.19.16:~2014/11.30.23: | 4345     | 104147   | 818      | 103329   |       |

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## 3.2 基隆港域主要測站潮汐資料統計表





表 3.2.1a 2014 年基隆港域主要測站潮差週期及潮位重要統計量統計表

| 序號 | 測站 | 日期<br>(年/月) | 平均潮差<br>(公分) | 最大潮差<br>(公分) | 1/3 潮差<br>(公分) | 平均週期<br>(時) | 最大週期<br>(時) | 1/3 週期<br>(時) | 潮差個數<br>(個) | 平均潮位<br>(公分) | 最高潮位<br>(公分) | 最低潮位<br>(公分) | 水位點數<br>(個) |
|----|----|-------------|--------------|--------------|----------------|-------------|-------------|---------------|-------------|--------------|--------------|--------------|-------------|
| 1  | T  | 2013/12     | 59           | 112          | 94             | 14.7        | 26.0        | 20.1          | 50          | 0            | 56           | -78          | 744(100%)   |
| 2  | T  | 2014/01     | 58           | 136          | 97             | 13.4        | 25.0        | 16.4          | 52          | 0            | 60           | -80          | 744(100%)   |
| 3  | T  | 2014/02     | 59           | 122          | 93             | 13.7        | 25.0        | 16.9          | 48          | 0            | 55           | -77          | 672(100%)   |
| 4  | T  | 2014/03     | 57           | 106          | 84             | 13.5        | 25.0        | 16.3          | 48          | 0            | 55           | -67          | 744(100%)   |
| 5  | T  | 2014/04     | 54           | 104          | 86             | 13.4        | 26.0        | 16.1          | 53          | 0            | 51           | -71          | 720(100%)   |
| 6  | T  | 2014/05     | 53           | 95           | 81             | 13.9        | 26.0        | 18.1          | 50          | 0            | 52           | -67          | 744(100%)   |
| 7  | T  | 2014/06     | 55           | 130          | 89             | 15.0        | 25.0        | 21.3          | 47          | 0            | 48           | -94          | 720(100%)   |
| 8  | T  | 2014/07     | 54           | 107          | 82             | 13.8        | 25.0        | 18.3          | 53          | 0            | 50           | -73          | 744(100%)   |
| 9  | T  | 2014/08     | 55           | 105          | 78             | 13.6        | 25.0        | 17.4          | 53          | 0            | 67           | -65          | 744(100%)   |
| 10 | T  | 2014/09     | 59           | 98           | 81             | 13.8        | 26.0        | 17.9          | 49          | 0            | 55           | -62          | 720(100%)   |
| 11 | T  | 2014/10     | 60           | 112          | 92             | 12.7        | 26.0        | 14.3          | 54          | 0            | 65           | -76          | 744(100%)   |
| 12 | T  | 2014/11     | 61           | 107          | 88             | 16.1        | 26.0        | 24.1          | 41          | 0            | 65           | -71          | 720(100%)   |
| 13 | T  | 2014/冬      | 59           | 136          | 94             | 13.9        | 26.0        | 17.7          | 150         | 0            | 60           | -80          | 2160(100%)  |
| 14 | T  | 2014/春      | 55           | 106          | 84             | 13.6        | 26.0        | 16.7          | 151         | 0            | 55           | -71          | 2208(100%)  |
| 15 | T  | 2014/夏      | 55           | 130          | 82             | 14.1        | 25.0        | 18.7          | 153         | 0            | 67           | -94          | 2208(100%)  |
| 16 | T  | 2014/秋      | 60           | 112          | 87             | 14.0        | 26.0        | 18.4          | 144         | 0            | 65           | -76          | 2184(100%)  |
| 17 | T  | 2014/年      | 57           | 136          | 87             | 13.9        | 26.0        | 17.9          | 598         | 0            | 67           | -94          | 8760(100%)  |

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表3.2.1b 歷年基隆港域主要測站潮差週期及潮位重要統計量統計表

| 序號 | 測站 | 日期<br>(年/月) | 平均潮差<br>(公分) | 最大潮差<br>(公分) | 1/3 潮差<br>(公分) | 平均週期<br>(時) | 最大週期<br>(時) | 1/3 週期<br>(時) | 潮差個數<br>(個) | 平均潮位<br>(公分) | 最高潮位<br>(公分) | 最低潮位<br>(公分) | 水位點數<br>(個)  |
|----|----|-------------|--------------|--------------|----------------|-------------|-------------|---------------|-------------|--------------|--------------|--------------|--------------|
| 1  | T  | 歷年/01       | 60           | 146          | 101            | 14.8        | 27.0        | 20.2          | 451         | 0            | 70           | -96          | 7440(100%)   |
| 2  | T  | 歷年/02       | 58           | 131          | 92             | 14.6        | 27.0        | 19.7          | 487         | 0            | 62           | -86          | 7918( 97%)   |
| 3  | T  | 歷年/03       | 59           | 127          | 87             | 14.9        | 27.0        | 20.6          | 516         | 0            | 80           | -83          | 8881(100%)   |
| 4  | T  | 歷年/04       | 57           | 131          | 88             | 15.0        | 27.0        | 20.9          | 496         | 0            | 64           | -83          | 8461( 98%)   |
| 5  | T  | 歷年/05       | 56           | 131          | 93             | 15.2        | 27.0        | 21.6          | 535         | 0            | 67           | -89          | 8927(100%)   |
| 6  | T  | 歷年/06       | 57           | 140          | 95             | 15.0        | 26.0        | 21.0          | 525         | 0            | 65           | -94          | 8600( 92%)   |
| 7  | T  | 歷年/07       | 55           | 157          | 92             | 14.6        | 26.0        | 20.0          | 580         | 0            | 103          | -95          | 8838( 99%)   |
| 8  | T  | 歷年/08       | 54           | 132          | 86             | 13.8        | 26.0        | 17.6          | 650         | 0            | 74           | -84          | 9598( 99%)   |
| 9  | T  | 歷年/09       | 54           | 141          | 82             | 13.7        | 27.0        | 17.3          | 596         | 0            | 82           | -75          | 8631(100%)   |
| 10 | T  | 歷年/10       | 56           | 127          | 84             | 14.1        | 26.0        | 18.3          | 620         | 0            | 78           | -82          | 9246( 96%)   |
| 11 | T  | 歷年/11       | 58           | 139          | 93             | 14.9        | 26.0        | 20.7          | 544         | 0            | 74           | -100         | 9348(100%)   |
| 12 | T  | 歷年/12       | 61           | 148          | 100            | 15.4        | 26.0        | 22.0          | 414         | 0            | 73           | -98          | 7441( 83%)   |
| 13 | T  | 歷年/冬        | 60           | 148          | 98             | 14.9        | 27.0        | 20.6          | 1352        | 0            | 73           | -98          | 22799( 93%)  |
| 14 | T  | 歷年/春        | 57           | 131          | 89             | 15.0        | 27.0        | 21.0          | 1547        | 0            | 80           | -89          | 26269( 99%)  |
| 15 | T  | 歷年/夏        | 55           | 157          | 91             | 14.4        | 26.0        | 19.5          | 1755        | 0            | 103          | -95          | 27036( 97%)  |
| 16 | T  | 歷年/秋        | 56           | 141          | 86             | 14.2        | 27.0        | 18.8          | 1760        | 0            | 82           | -100         | 27225( 98%)  |
| 17 | T  | 歷年/年        | 57           | 157          | 91             | 14.6        | 27.0        | 19.9          | 6414        | 0            | 103          | -100         | 103329( 97%) |

表 3.2.2a 基隆港域 2014 年颱風期間潮汐資料紀錄統計表

| 序號 | 颱風名稱 | 港區名稱 | 年/月     | 啓止時間<br>(日.時:~日.時:) | 觀測<br>天數 | 觀測<br>筆數 | 潮位<br>筆數 |
|----|------|------|---------|---------------------|----------|----------|----------|
| 1  | 哈吉貝  | 基隆港域 | 2014/06 | 13.00:00~15.23:00   | 3        | 72       | 72       |
| 2  | 麥德姆  | 基隆港域 | 2014/07 | 21.00:00~23.23:00   | 3        | 72       | 72       |
| 3  | 鳳凰   | 基隆港域 | 2014/09 | 19.00:00~22.23:00   | 4        | 96       | 96       |

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表 3.2.2b 2014 年基隆港域颱風期間潮差週期及潮位統計量統計表

| 序號 | 颱風名稱 | 颱風期間<br>(月日~月日)<br>觀測點數 | 平均潮差<br>(公分) | 最大潮差<br>(公分) | 1/3 潮差<br>(公分) | 平均週期<br>(時) | 最大週期<br>(時) | 1/3 週期<br>(時) | 潮差個數<br>(個) | 平均潮位<br>(公分) | 最高潮位<br>(公分) | 最低潮位<br>(公分) |
|----|------|-------------------------|--------------|--------------|----------------|-------------|-------------|---------------|-------------|--------------|--------------|--------------|
| 1  | 哈吉貝  | 06/13-06/15<br>72(100%) | 58           | 121          | 121            | 12.4        | 14.0        | 14.0          | 5           | -14          | 40           | -94          |
| 2  | 麥德姆  | 07/21-07/23<br>72(100%) | 57           | 87           | 87             | 13.0        | 17.0        | 17.0          | 5           | 0            | 41           | -67          |
| 3  | 鳳凰   | 09/19-09/22<br>96(100%) | 50           | 82           | 79             | 12.3        | 14.0        | 13.5          | 6           | 7            | 53           | -40          |

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表3.2.3a 2014年及歷年基隆港域主要測站潮差分佈百分比 (%) 統計表

| 潮差<br>(m)<br>年、月 | 0m-  | 0.5m- | 1.0m- | 1.5m- | 2.0m- | 2.5m- | 3.0m- | 3.5m- | 4.0m- | 4.5m- | 5.0m- | 5.5m- | 6.0m- | 6.5m- | 合計<br>(%) |
|------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
|                  | 0.5m | 1.0m  | 1.5m  | 2.0m  | 2.5m  | 3.0m  | 3.5m  | 4.0m  | 4.5m  | 5.0m  | 5.5m  | 6.0m  | 6.5m  | 10m   |           |
| 2013/12          | 46.0 | 46.0  | 8.0   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/01          | 48.1 | 38.5  | 13.5  | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/02          | 39.6 | 50.0  | 10.4  | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/03          | 35.4 | 62.5  | 2.1   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/04          | 49.1 | 49.1  | 1.9   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/05          | 48.0 | 52.0  | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/06          | 51.1 | 40.4  | 6.4   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/07          | 50.9 | 47.2  | 1.9   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/08          | 35.8 | 62.3  | 1.9   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/09          | 30.6 | 69.4  | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/10          | 38.9 | 48.1  | 13.0  | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/11          | 29.3 | 65.9  | 4.9   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/冬           | 44.7 | 44.7  | 10.7  | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/春           | 44.4 | 54.3  | 1.3   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/夏           | 45.8 | 50.3  | 3.3   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/秋           | 33.3 | 60.4  | 6.3   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 2014/年           | 42.1 | 52.3  | 5.4   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/12            | 42.5 | 42.8  | 14.5  | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/01            | 45.9 | 37.0  | 16.9  | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/02            | 44.1 | 43.9  | 11.7  | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/03            | 37.6 | 58.3  | 3.5   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/04            | 42.5 | 51.2  | 6.0   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/05            | 46.7 | 43.2  | 10.1  | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/06            | 46.9 | 39.2  | 13.0  | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/07            | 49.3 | 39.8  | 10.3  | .2    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/08            | 48.5 | 44.9  | 6.2   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/09            | 42.6 | 54.2  | 3.2   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/10            | 42.9 | 52.3  | 4.8   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/11            | 42.5 | 47.6  | 9.7   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/冬             | 44.2 | 41.3  | 14.3  | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/春             | 42.3 | 50.8  | 6.6   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/夏             | 48.3 | 41.5  | 9.6   | .1    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/秋             | 42.7 | 51.5  | 5.8   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |
| 歷年/年             | 44.4 | 46.4  | 8.8   | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | .0    | 100.      |

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表3.2.3b 2014年及歷年基隆港域主要測站週期分佈百分比 (%) 統計表

| $T_{1/3}$<br>(sec)<br>年、月 | 4-<br>6時 | 6-<br>8時 | 8-<br>10時 | 10-<br>12時 | 12-<br>14時 | 14-<br>16時 | 16-<br>18時 | 18-<br>20時 | 20-<br>22時 | 22-<br>24時 | 24-<br>26時 | 26-<br>28時 | 28-<br>30時 | 30-<br>100時 | 合計<br>(%) |
|---------------------------|----------|----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-----------|
| 2013/12                   | .0       | .0       | .0        | 18.0       | 48.0       | 16.0       | .0         | .0         | .0         | .0         | 14.0       | 4.0        | .0         | .0          | 100.      |
| 2014/01                   | .0       | .0       | .0        | 19.2       | 53.8       | 19.2       | .0         | .0         | .0         | .0         | 7.7        | .0         | .0         | .0          | 100.      |
| 2014/02                   | .0       | .0       | .0        | 12.5       | 66.7       | 10.4       | .0         | .0         | .0         | .0         | 10.4       | .0         | .0         | .0          | 100.      |
| 2014/03                   | .0       | .0       | .0        | 12.5       | 70.8       | 8.3        | .0         | .0         | .0         | .0         | 8.3        | .0         | .0         | .0          | 100.      |
| 2014/04                   | .0       | .0       | .0        | 13.2       | 71.7       | 7.5        | .0         | .0         | .0         | .0         | 3.8        | 3.8        | .0         | .0          | 100.      |
| 2014/05                   | .0       | .0       | .0        | 20.0       | 52.0       | 16.0       | .0         | .0         | .0         | .0         | 8.0        | 4.0        | .0         | .0          | 100.      |
| 2014/06                   | .0       | .0       | .0        | 25.5       | 25.5       | 23.4       | 2.1        | .0         | .0         | 2.1        | 19.1       | .0         | .0         | .0          | 100.      |
| 2014/07                   | .0       | .0       | 3.8       | 30.2       | 22.6       | 30.2       | 1.9        | .0         | .0         | .0         | 11.3       | .0         | .0         | .0          | 100.      |
| 2014/08                   | .0       | .0       | .0        | 30.2       | 34.0       | 26.4       | .0         | .0         | .0         | .0         | 9.4        | .0         | .0         | .0          | 100.      |
| 2014/09                   | .0       | .0       | .0        | 30.6       | 34.7       | 22.4       | 2.0        | .0         | .0         | .0         | 8.2        | 2.0        | .0         | .0          | 100.      |
| 2014/10                   | .0       | .0       | .0        | 20.4       | 59.3       | 18.5       | .0         | .0         | .0         | .0         | .0         | 1.9        | .0         | .0          | 100.      |
| 2014/11                   | .0       | .0       | .0        | 19.5       | 34.1       | 17.1       | .0         | .0         | .0         | 2.4        | 19.5       | 7.3        | .0         | .0          | 100.      |
| 2014/冬                    | .0       | .0       | .0        | 16.7       | 56.0       | 15.3       | .0         | .0         | .0         | .0         | 10.7       | 1.3        | .0         | .0          | 100.      |
| 2014/春                    | .0       | .0       | .0        | 15.2       | 64.9       | 10.6       | .0         | .0         | .0         | .0         | 6.6        | 2.6        | .0         | .0          | 100.      |
| 2014/夏                    | .0       | .0       | 1.3       | 28.8       | 27.5       | 26.8       | 1.3        | .0         | .0         | .7         | 13.1       | .0         | .0         | .0          | 100.      |
| 2014/秋                    | .0       | .0       | .0        | 23.6       | 43.8       | 19.4       | .7         | .0         | .0         | .7         | 8.3        | 3.5        | .0         | .0          | 100.      |
| 2014/年                    | .0       | .0       | .3        | 21.1       | 48.0       | 18.1       | .5         | .0         | .0         | .3         | 9.7        | 1.8        | .0         | .0          | 100.      |
| 歷年/12                     | .0       | .0       | 2.9       | 16.7       | 34.1       | 20.3       | 1.9        | .0         | .0         | 1.2        | 19.6       | 3.1        | .0         | .0          | 100.      |
| 歷年/01                     | .0       | .0       | 2.4       | 16.4       | 42.8       | 18.0       | 1.8        | .0         | .0         | .4         | 15.5       | 2.4        | .0         | .0          | 100.      |
| 歷年/02                     | .0       | .0       | .4        | 14.6       | 51.5       | 14.8       | 1.0        | .0         | .0         | 1.6        | 13.3       | 2.5        | .0         | .0          | 100.      |
| 歷年/03                     | .0       | .0       | .0        | 14.3       | 52.3       | 12.0       | 1.0        | .0         | .0         | 1.0        | 14.7       | 4.1        | .0         | .0          | 100.      |
| 歷年/04                     | .0       | .0       | 1.2       | 16.5       | 45.6       | 15.1       | 1.2        | .0         | .0         | .4         | 15.7       | 4.0        | .0         | .0          | 100.      |
| 歷年/05                     | .0       | .0       | 2.8       | 17.0       | 39.1       | 17.0       | 1.7        | .0         | .0         | .7         | 18.1       | 3.6        | .0         | .0          | 100.      |
| 歷年/06                     | .0       | .0       | 4.6       | 19.2       | 29.3       | 22.1       | 3.6        | .0         | .0         | .4         | 18.5       | 1.3        | .0         | .0          | 100.      |
| 歷年/07                     | .0       | .0       | 3.4       | 17.1       | 40.0       | 19.1       | 2.4        | .0         | .0         | .7         | 15.3       | 1.6        | .0         | .0          | 100.      |
| 歷年/08                     | .0       | .0       | 1.4       | 17.1       | 52.0       | 17.1       | .9         | .0         | .0         | .2         | 10.3       | .6         | .0         | .0          | 100.      |
| 歷年/09                     | .0       | .0       | .5        | 18.6       | 53.4       | 16.8       | .7         | .0         | .0         | .3         | 7.0        | 2.7        | .0         | .0          | 100.      |
| 歷年/10                     | .0       | .0       | .3        | 19.2       | 50.3       | 16.5       | .8         | .0         | .0         | .2         | 10.2       | 2.6        | .0         | .0          | 100.      |
| 歷年/11                     | .0       | .0       | 1.3       | 19.1       | 38.6       | 19.3       | 1.7        | .0         | .0         | .6         | 16.5       | 2.8        | .0         | .0          | 100.      |
| 歷年/冬                      | .0       | .0       | 1.8       | 15.8       | 43.3       | 17.5       | 1.6        | .0         | .0         | 1.1        | 16.0       | 2.7        | .0         | .0          | 100.      |
| 歷年/春                      | .0       | .0       | 1.3       | 16.0       | 45.6       | 14.7       | 1.3        | .0         | .0         | .7         | 16.2       | 3.9        | .0         | .0          | 100.      |
| 歷年/夏                      | .0       | .0       | 3.0       | 17.7       | 41.3       | 19.3       | 2.2        | .0         | .0         | .4         | 14.4       | 1.1        | .0         | .0          | 100.      |
| 歷年/秋                      | .0       | .0       | .7        | 19.0       | 47.7       | 17.4       | 1.0        | .0         | .0         | .3         | 11.1       | 2.7        | .0         | .0          | 100.      |
| 歷年/年                      | .0       | .0       | 1.7       | 17.3       | 44.5       | 17.3       | 1.5        | .0         | .0         | .6         | 14.3       | 2.5        | .0         | .0          | 100.      |

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表3.2.3c 2014年及歷年基隆港域主要測站潮位分佈百分比 (%) 統計表

| 潮差<br>(m)<br>年、月 | -10m~ | -6m~ | -5m~ | -4m~ | -3m~ | -2m~ | -1m~ | 0m~  | 1m~ | 2m~ | 3m~ | 4m~ | 5m~ | 6m~ | 合計<br>(%) |
|------------------|-------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----------|
|                  | -6m   | -5m  | -4m  | -3m  | -2m  | -1m  | 0m   | 1m   | 2m  | 3m  | 4m  | 5m  | 6m  | 10m |           |
| 2013/12          | .0    | .0   | .0   | .0   | .0   | .0   | 42.1 | 57.9 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/01          | .0    | .0   | .0   | .0   | .0   | .0   | 42.3 | 57.7 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/02          | .0    | .0   | .0   | .0   | .0   | .0   | 43.2 | 56.8 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/03          | .0    | .0   | .0   | .0   | .0   | .0   | 47.4 | 52.6 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/04          | .0    | .0   | .0   | .0   | .0   | .0   | 44.7 | 55.3 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/05          | .0    | .0   | .0   | .0   | .0   | .0   | 42.3 | 57.7 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/06          | .0    | .0   | .0   | .0   | .0   | .0   | 42.4 | 57.6 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/07          | .0    | .0   | .0   | .0   | .0   | .0   | 42.2 | 57.8 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/08          | .0    | .0   | .0   | .0   | .0   | .0   | 44.0 | 56.0 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/09          | .0    | .0   | .0   | .0   | .0   | .0   | 45.6 | 54.4 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/10          | .0    | .0   | .0   | .0   | .0   | .0   | 46.6 | 53.4 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/11          | .0    | .0   | .0   | .0   | .0   | .0   | 44.0 | 56.0 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/冬           | .0    | .0   | .0   | .0   | .0   | .0   | 42.5 | 57.5 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/春           | .0    | .0   | .0   | .0   | .0   | .0   | 44.8 | 55.2 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/夏           | .0    | .0   | .0   | .0   | .0   | .0   | 42.8 | 57.2 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/秋           | .0    | .0   | .0   | .0   | .0   | .0   | 45.4 | 54.6 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 2014/年           | .0    | .0   | .0   | .0   | .0   | .0   | 43.9 | 56.1 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/12            | .0    | .0   | .0   | .0   | .0   | .0   | 41.9 | 58.1 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/01            | .0    | .0   | .0   | .0   | .0   | .0   | 41.1 | 58.9 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/02            | .0    | .0   | .0   | .0   | .0   | .0   | 42.0 | 58.0 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/03            | .0    | .0   | .0   | .0   | .0   | .0   | 44.1 | 55.9 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/04            | .0    | .0   | .0   | .0   | .0   | .0   | 43.2 | 56.8 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/05            | .0    | .0   | .0   | .0   | .0   | .0   | 42.2 | 57.8 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/06            | .0    | .0   | .0   | .0   | .0   | .0   | 40.8 | 59.2 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/07            | .0    | .0   | .0   | .0   | .0   | .0   | 40.7 | 59.3 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/08            | .0    | .0   | .0   | .0   | .0   | .0   | 41.8 | 58.2 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/09            | .0    | .0   | .0   | .0   | .0   | .0   | 44.0 | 56.0 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/10            | .0    | .0   | .0   | .0   | .0   | .0   | 44.5 | 55.5 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/11            | .0    | .0   | .0   | .0   | .0   | .0   | 43.2 | 56.8 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/冬             | .0    | .0   | .0   | .0   | .0   | .0   | 41.7 | 58.3 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/春             | .0    | .0   | .0   | .0   | .0   | .0   | 43.1 | 56.9 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/夏             | .0    | .0   | .0   | .0   | .0   | .0   | 41.1 | 58.9 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/秋             | .0    | .0   | .0   | .0   | .0   | .0   | 43.9 | 56.1 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |
| 歷年/年             | .0    | .0   | .0   | .0   | .0   | .0   | 42.5 | 57.5 | .0  | .0  | .0  | .0  | .0  | .0  | 100.      |

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表3.2.4a 2014年基隆港域主要測站逐時潮位平均值統計表

| 時<br>年、月 | 0時    | 1時    | 2時    | 3時    | 4時    | 5時    | 6時    | 7時    | 8時    | 9時    | 10時   | 11時   | 12時   | 13時   | 14時   | 15時   | 16時   | 17時   | 18時   | 19時   | 20時   | 21時   | 22時   | 23時   |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2013/12  | -0.18 | -0.24 | -0.30 | -0.31 | -0.29 | -0.23 | -0.17 | -0.09 | 0.00  | 0.07  | 0.13  | 0.17  | 0.18  | 0.19  | 0.19  | 0.18  | 0.18  | 0.18  | 0.16  | 0.14  | 0.10  | 0.05  | -0.02 | -0.09 |
| 2014/01  | -0.18 | -0.25 | -0.31 | -0.33 | -0.30 | -0.25 | -0.16 | -0.07 | 0.02  | 0.12  | 0.17  | 0.22  | 0.23  | 0.23  | 0.20  | 0.17  | 0.16  | 0.13  | 0.11  | 0.10  | 0.07  | 0.03  | -0.03 | -0.09 |
| 2014/02  | -0.12 | -0.16 | -0.20 | -0.20 | -0.17 | -0.13 | -0.05 | 0.01  | 0.09  | 0.15  | 0.19  | 0.20  | 0.19  | 0.16  | 0.13  | 0.08  | 0.04  | 0.02  | 0.00  | -0.01 | -0.02 | -0.04 | -0.06 | -0.09 |
| 2014/03  | -0.07 | -0.11 | -0.14 | -0.13 | -0.10 | -0.04 | 0.03  | 0.10  | 0.16  | 0.19  | 0.19  | 0.18  | 0.11  | 0.05  | -0.02 | -0.06 | -0.09 | -0.08 | -0.06 | -0.04 | -0.03 | -0.01 | -0.01 | -0.01 |
| 2014/04  | 0.03  | 0.01  | 0.02  | 0.03  | 0.06  | 0.09  | 0.12  | 0.15  | 0.17  | 0.16  | 0.13  | 0.08  | 0.00  | -0.08 | -0.14 | -0.18 | -0.19 | -0.18 | -0.14 | -0.10 | -0.05 | -0.01 | 0.01  | 0.02  |
| 2014/05  | 0.12  | 0.12  | 0.12  | 0.14  | 0.15  | 0.16  | 0.17  | 0.17  | 0.14  | 0.12  | 0.06  | -0.01 | -0.08 | -0.16 | -0.22 | -0.26 | -0.26 | -0.24 | -0.19 | -0.12 | -0.06 | 0.00  | 0.04  | 0.09  |
| 2014/06  | 0.16  | 0.17  | 0.17  | 0.16  | 0.15  | 0.14  | 0.12  | 0.11  | 0.08  | 0.05  | -0.01 | -0.06 | -0.13 | -0.19 | -0.23 | -0.25 | -0.25 | -0.22 | -0.16 | -0.09 | -0.02 | 0.05  | 0.10  | 0.14  |
| 2014/07  | 0.18  | 0.18  | 0.16  | 0.13  | 0.11  | 0.08  | 0.06  | 0.04  | 0.02  | -0.01 | -0.05 | -0.09 | -0.13 | -0.18 | -0.22 | -0.22 | -0.21 | -0.17 | -0.11 | -0.04 | 0.03  | 0.10  | 0.15  | 0.18  |
| 2014/08  | 0.16  | 0.12  | 0.08  | 0.03  | 0.00  | -0.02 | -0.03 | -0.04 | -0.05 | -0.05 | -0.06 | -0.08 | -0.10 | -0.14 | -0.15 | -0.14 | -0.12 | -0.07 | -0.01 | 0.05  | 0.11  | 0.15  | 0.18  | 0.18  |
| 2014/09  | 0.09  | 0.03  | -0.03 | -0.08 | -0.11 | -0.12 | -0.12 | -0.10 | -0.09 | -0.06 | -0.05 | -0.05 | -0.06 | -0.07 | -0.05 | -0.05 | -0.01 | 0.03  | 0.08  | 0.13  | 0.17  | 0.19  | 0.19  | 0.16  |
| 2014/10  | 0.00  | -0.07 | -0.14 | -0.18 | -0.19 | -0.18 | -0.17 | -0.14 | -0.11 | -0.06 | -0.02 | 0.00  | 0.02  | 0.03  | 0.06  | 0.07  | 0.10  | 0.13  | 0.16  | 0.17  | 0.17  | 0.15  | 0.12  | 0.06  |
| 2014/11  | -0.10 | -0.18 | -0.24 | -0.26 | -0.26 | -0.23 | -0.19 | -0.14 | -0.09 | -0.02 | 0.04  | 0.07  | 0.10  | 0.13  | 0.14  | 0.17  | 0.18  | 0.19  | 0.20  | 0.19  | 0.16  | 0.11  | 0.05  | -0.03 |
| 2014/冬   | -0.16 | -0.22 | -0.27 | -0.28 | -0.26 | -0.20 | -0.13 | -0.05 | 0.04  | 0.11  | 0.16  | 0.20  | 0.20  | 0.19  | 0.18  | 0.15  | 0.13  | 0.11  | 0.10  | 0.08  | 0.05  | 0.01  | -0.04 | -0.09 |
| 2014/春   | 0.02  | 0.01  | 0.00  | 0.01  | 0.03  | 0.07  | 0.10  | 0.14  | 0.16  | 0.16  | 0.13  | 0.08  | 0.01  | -0.06 | -0.13 | -0.17 | -0.18 | -0.17 | -0.13 | -0.09 | -0.05 | -0.01 | 0.01  | 0.03  |
| 2014/夏   | 0.17  | 0.16  | 0.13  | 0.11  | 0.09  | 0.07  | 0.05  | 0.04  | 0.02  | 0.00  | -0.04 | -0.08 | -0.12 | -0.17 | -0.20 | -0.21 | -0.19 | -0.15 | -0.10 | -0.03 | 0.04  | 0.10  | 0.14  | 0.17  |
| 2014/秋   | 0.00  | -0.07 | -0.14 | -0.18 | -0.19 | -0.18 | -0.16 | -0.12 | -0.09 | -0.05 | -0.01 | 0.01  | 0.02  | 0.03  | 0.05  | 0.07  | 0.09  | 0.12  | 0.15  | 0.16  | 0.16  | 0.15  | 0.12  | 0.06  |
| 2014/年   | 0.01  | -0.03 | -0.07 | -0.08 | -0.08 | -0.06 | -0.03 | 0.00  | 0.03  | 0.06  | 0.06  | 0.05  | 0.03  | 0.00  | -0.03 | -0.04 | -0.04 | -0.02 | 0.00  | 0.03  | 0.05  | 0.06  | 0.06  | 0.04  |

DIST7Z1.BAT

單位: m

港灣技術研究中心

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表3.2.4b 歷年基隆港域主要測站逐時潮位平均值統計表

| 時<br>年、月 | 0時   | 1時   | 2時   | 3時   | 4時   | 5時   | 6時   | 7時   | 8時   | 9時   | 10時  | 11時  | 12時  | 13時  | 14時  | 15時  | 16時  | 17時  | 18時  | 19時  | 20時  | 21時  | 22時  | 23時  |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 歷年/12    | -.17 | -.25 | -.30 | -.33 | -.31 | -.27 | -.20 | -.11 | -.03 | .06  | .12  | .16  | .19  | .21  | .21  | .21  | .21  | .20  | .18  | .16  | .11  | .06  | -.01 | -.09 |
| 歷年/01    | -.18 | -.24 | -.29 | -.31 | -.29 | -.24 | -.16 | -.07 | .03  | .11  | .18  | .22  | .24  | .24  | .22  | .19  | .16  | .13  | .11  | .08  | .04  | .00  | -.05 | -.11 |
| 歷年/02    | -.15 | -.19 | -.22 | -.23 | -.20 | -.14 | -.06 | .02  | .11  | .17  | .22  | .23  | .21  | .18  | .14  | .09  | .05  | .02  | .01  | -.01 | -.02 | -.05 | -.07 | -.11 |
| 歷年/03    | -.09 | -.11 | -.12 | -.11 | -.07 | -.01 | .06  | .12  | .18  | .21  | .22  | .20  | .14  | .07  | .00  | -.05 | -.09 | -.10 | -.10 | -.08 | -.07 | -.06 | -.06 | -.07 |
| 歷年/04    | -.01 | .00  | .02  | .04  | .08  | .12  | .16  | .19  | .20  | .19  | .16  | .10  | .02  | -.06 | -.13 | -.18 | -.20 | -.20 | -.17 | -.14 | -.10 | -.06 | -.04 | -.01 |
| 歷年/05    | .09  | .11  | .13  | .16  | .18  | .19  | .20  | .19  | .17  | .12  | .06  | -.01 | -.10 | -.17 | -.23 | -.26 | -.26 | -.23 | -.19 | -.14 | -.08 | -.03 | .02  | .06  |
| 歷年/06    | .18  | .19  | .20  | .20  | .20  | .19  | .17  | .15  | .11  | .06  | -.01 | -.08 | -.16 | -.23 | -.27 | -.29 | -.28 | -.25 | -.19 | -.12 | -.04 | .03  | .10  | .14  |
| 歷年/07    | .22  | .22  | .20  | .18  | .15  | .12  | .09  | .07  | .03  | -.02 | -.07 | -.13 | -.19 | -.24 | -.27 | -.28 | -.25 | -.20 | -.13 | -.05 | .04  | .11  | .17  | .21  |
| 歷年/08    | .21  | .17  | .12  | .08  | .05  | .02  | .00  | -.01 | -.03 | -.05 | -.08 | -.11 | -.15 | -.19 | -.21 | -.21 | -.18 | -.12 | -.04 | .04  | .11  | .17  | .21  | .22  |
| 歷年/09    | .12  | .07  | .00  | -.04 | -.07 | -.09 | -.09 | -.08 | -.07 | -.06 | -.06 | -.07 | -.09 | -.10 | -.11 | -.09 | -.05 | .00  | .06  | .12  | .16  | .19  | .19  | .17  |
| 歷年/10    | .01  | -.06 | -.13 | -.17 | -.19 | -.17 | -.15 | -.12 | -.09 | -.05 | -.03 | -.02 | -.01 | .00  | .02  | .04  | .08  | .12  | .16  | .18  | .19  | .17  | .14  | .08  |
| 歷年/11    | -.09 | -.17 | -.23 | -.26 | -.26 | -.24 | -.19 | -.14 | -.08 | -.02 | .03  | .06  | .09  | .11  | .13  | .16  | .18  | .19  | .20  | .19  | .17  | .12  | .06  | -.02 |
| 歷年/冬     | -.17 | -.23 | -.27 | -.29 | -.27 | -.21 | -.14 | -.05 | .04  | .12  | .17  | .20  | .21  | .21  | .19  | .16  | .14  | .12  | .10  | .07  | .04  | .00  | -.05 | -.10 |
| 歷年/春     | .00  | .00  | .01  | .03  | .06  | .10  | .14  | .17  | .18  | .18  | .15  | .09  | .02  | -.05 | -.12 | -.16 | -.18 | -.18 | -.15 | -.12 | -.08 | -.05 | -.02 | -.01 |
| 歷年/夏     | .20  | .19  | .17  | .15  | .13  | .11  | .08  | .06  | .03  | .00  | -.05 | -.11 | -.17 | -.22 | -.25 | -.26 | -.24 | -.19 | -.12 | -.04 | .04  | .10  | .16  | .19  |
| 歷年/秋     | .01  | -.06 | -.12 | -.16 | -.18 | -.17 | -.14 | -.11 | -.08 | -.05 | -.02 | -.01 | .00  | .01  | .02  | .04  | .07  | .11  | .14  | .17  | .17  | .16  | .13  | .07  |
| 歷年/年     | .02  | -.01 | -.04 | -.06 | -.05 | -.04 | -.01 | .02  | .04  | .06  | .06  | .04  | .01  | -.02 | -.05 | -.06 | -.06 | -.04 | -.01 | .02  | .04  | .06  | .06  | .04  |

DIST7Z1.BAT

單位: m

港灣技術研究中心

表3.2.4c 2014年基隆港域主要測站逐時潮位最大值統計表

| 時<br>年、月 | 0時  | 1時  | 2時  | 3時  | 4時  | 5時  | 6時  | 7時  | 8時  | 9時  | 10時 | 11時 | 12時 | 13時 | 14時 | 15時 | 16時 | 17時 | 18時 | 19時 | 20時 | 21時 | 22時 | 23時 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2013/12  | .25 | .21 | .23 | .24 | .30 | .26 | .23 | .26 | .36 | .44 | .49 | .56 | .52 | .51 | .52 | .53 | .49 | .43 | .32 | .32 | .37 | .33 | .32 | .27 |
| 2014/01  | .32 | .21 | .22 | .21 | .29 | .36 | .41 | .37 | .51 | .58 | .60 | .58 | .58 | .55 | .43 | .44 | .46 | .42 | .38 | .43 | .49 | .50 | .45 | .41 |
| 2014/02  | .55 | .40 | .26 | .20 | .26 | .31 | .38 | .42 | .48 | .45 | .44 | .50 | .50 | .50 | .38 | .38 | .34 | .25 | .28 | .37 | .42 | .40 | .41 | .46 |
| 2014/03  | .46 | .34 | .23 | .32 | .32 | .39 | .44 | .48 | .50 | .48 | .46 | .41 | .40 | .32 | .30 | .23 | .23 | .29 | .35 | .39 | .47 | .55 | .55 | .54 |
| 2014/04  | .51 | .50 | .50 | .47 | .49 | .35 | .33 | .37 | .34 | .32 | .29 | .32 | .29 | .26 | .20 | .14 | .10 | .16 | .26 | .34 | .38 | .39 | .40 | .43 |
| 2014/05  | .50 | .46 | .45 | .44 | .42 | .42 | .41 | .32 | .38 | .45 | .36 | .28 | .24 | .21 | .16 | .19 | .22 | .20 | .24 | .30 | .40 | .48 | .51 | .52 |
| 2014/06  | .48 | .40 | .41 | .37 | .36 | .34 | .34 | .35 | .29 | .30 | .29 | .26 | .22 | .18 | .16 | .13 | .14 | .23 | .29 | .35 | .37 | .43 | .48 | .47 |
| 2014/07  | .40 | .38 | .34 | .32 | .40 | .44 | .43 | .39 | .25 | .30 | .27 | .29 | .31 | .31 | .19 | .17 | .28 | .36 | .41 | .49 | .50 | .49 | .45 | .45 |
| 2014/08  | .37 | .29 | .25 | .20 | .29 | .34 | .36 | .40 | .40 | .35 | .30 | .31 | .32 | .22 | .27 | .20 | .22 | .31 | .36 | .53 | .67 | .63 | .54 | .45 |
| 2014/09  | .29 | .27 | .26 | .23 | .31 | .28 | .32 | .34 | .37 | .39 | .40 | .44 | .41 | .33 | .37 | .38 | .47 | .40 | .51 | .54 | .55 | .48 | .42 | .37 |
| 2014/10  | .41 | .37 | .31 | .34 | .40 | .41 | .49 | .48 | .43 | .39 | .39 | .43 | .55 | .60 | .58 | .48 | .56 | .61 | .65 | .60 | .63 | .52 | .32 | .39 |
| 2014/11  | .23 | .22 | .20 | .25 | .32 | .36 | .43 | .44 | .28 | .36 | .47 | .53 | .65 | .57 | .49 | .46 | .56 | .61 | .62 | .56 | .45 | .35 | .38 | .31 |
| 2014/冬   | .55 | .40 | .26 | .24 | .30 | .36 | .41 | .42 | .51 | .58 | .60 | .58 | .58 | .55 | .52 | .53 | .49 | .43 | .38 | .43 | .49 | .50 | .45 | .46 |
| 2014/春   | .51 | .50 | .50 | .47 | .49 | .42 | .44 | .48 | .50 | .48 | .46 | .41 | .40 | .32 | .30 | .23 | .23 | .29 | .35 | .39 | .47 | .55 | .55 | .54 |
| 2014/夏   | .48 | .40 | .41 | .37 | .40 | .44 | .43 | .40 | .40 | .35 | .30 | .31 | .32 | .31 | .27 | .20 | .28 | .36 | .41 | .53 | .67 | .63 | .54 | .47 |
| 2014/秋   | .41 | .37 | .31 | .34 | .40 | .41 | .49 | .48 | .43 | .39 | .47 | .53 | .65 | .60 | .58 | .48 | .56 | .61 | .65 | .60 | .63 | .52 | .42 | .39 |
| 2014/年   | .55 | .50 | .50 | .47 | .49 | .44 | .49 | .48 | .51 | .58 | .60 | .58 | .65 | .60 | .58 | .53 | .56 | .61 | .65 | .60 | .67 | .63 | .55 | .54 |

DIST7Z2.BAT

單位: m

港灣技術研究中心

表3.2.4d 歷年基隆港域主要測站逐時潮位最大值統計表

| 時<br>年、月 | 0時  | 1時  | 2時   | 3時   | 4時  | 5時  | 6時  | 7時  | 8時  | 9時  | 10時 | 11時 | 12時 | 13時 | 14時 | 15時 | 16時 | 17時 | 18時 | 19時 | 20時 | 21時 | 22時 | 23時 |
|----------|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 歷年/12    | .38 | .39 | .37  | .29  | .30 | .28 | .34 | .43 | .49 | .60 | .65 | .71 | .67 | .73 | .59 | .61 | .55 | .61 | .58 | .52 | .43 | .41 | .41 | .38 |
| 歷年/01    | .37 | .36 | .35  | .39  | .39 | .47 | .52 | .46 | .54 | .65 | .70 | .62 | .60 | .62 | .58 | .52 | .48 | .42 | .39 | .45 | .49 | .50 | .45 | .41 |
| 歷年/02    | .55 | .40 | .33  | .34  | .38 | .46 | .55 | .50 | .54 | .57 | .62 | .61 | .53 | .50 | .45 | .38 | .40 | .38 | .36 | .42 | .44 | .48 | .49 | .48 |
| 歷年/03    | .73 | .51 | .49  | .53  | .56 | .59 | .60 | .80 | .72 | .66 | .56 | .56 | .48 | .41 | .36 | .37 | .42 | .37 | .37 | .43 | .55 | .58 | .63 | .65 |
| 歷年/04    | .51 | .56 | .57  | .60  | .64 | .60 | .60 | .61 | .56 | .49 | .42 | .39 | .35 | .35 | .29 | .26 | .31 | .34 | .41 | .49 | .54 | .53 | .51 | .52 |
| 歷年/05    | .60 | .58 | .64  | .62  | .67 | .51 | .52 | .48 | .42 | .45 | .38 | .35 | .29 | .26 | .31 | .33 | .30 | .33 | .34 | .40 | .44 | .49 | .57 | .61 |
| 歷年/06    | .57 | .65 | .61  | .57  | .58 | .59 | .55 | .51 | .44 | .35 | .37 | .34 | .34 | .32 | .27 | .25 | .39 | .44 | .41 | .50 | .54 | .60 | .63 | .63 |
| 歷年/07    | .64 | .75 | 1.02 | 1.03 | .64 | .46 | .44 | .43 | .42 | .38 | .34 | .35 | .31 | .31 | .25 | .27 | .32 | .38 | .43 | .49 | .59 | .63 | .69 | .68 |
| 歷年/08    | .71 | .70 | .68  | .68  | .62 | .66 | .60 | .63 | .60 | .62 | .53 | .45 | .40 | .36 | .42 | .49 | .58 | .74 | .66 | .68 | .67 | .63 | .70 | .71 |
| 歷年/09    | .58 | .59 | .56  | .41  | .36 | .54 | .62 | .63 | .67 | .73 | .63 | .53 | .48 | .48 | .59 | .64 | .66 | .60 | .57 | .54 | .59 | .75 | .82 | .82 |
| 歷年/10    | .43 | .47 | .37  | .34  | .40 | .41 | .49 | .48 | .53 | .56 | .64 | .71 | .58 | .60 | .78 | .66 | .68 | .61 | .65 | .67 | .66 | .59 | .54 | .48 |
| 歷年/11    | .33 | .36 | .39  | .47  | .46 | .39 | .43 | .44 | .50 | .54 | .60 | .63 | .65 | .66 | .61 | .69 | .74 | .71 | .62 | .56 | .64 | .48 | .40 | .37 |
| 歷年/冬     | .55 | .40 | .37  | .39  | .39 | .47 | .55 | .50 | .54 | .65 | .70 | .71 | .67 | .73 | .59 | .61 | .55 | .61 | .58 | .52 | .49 | .50 | .49 | .48 |
| 歷年/春     | .73 | .58 | .64  | .62  | .67 | .60 | .60 | .80 | .72 | .66 | .56 | .56 | .48 | .41 | .36 | .37 | .42 | .37 | .41 | .49 | .55 | .58 | .63 | .65 |
| 歷年/夏     | .71 | .75 | 1.02 | 1.03 | .64 | .66 | .60 | .63 | .60 | .62 | .53 | .45 | .40 | .36 | .42 | .49 | .58 | .74 | .66 | .68 | .67 | .63 | .70 | .71 |
| 歷年/秋     | .58 | .59 | .56  | .47  | .46 | .54 | .62 | .63 | .67 | .73 | .64 | .71 | .65 | .66 | .78 | .69 | .74 | .71 | .65 | .67 | .66 | .75 | .82 | .82 |
| 歷年/年     | .73 | .75 | 1.02 | 1.03 | .67 | .66 | .62 | .80 | .72 | .73 | .70 | .71 | .67 | .73 | .78 | .69 | .74 | .74 | .66 | .68 | .67 | .75 | .82 | .82 |

DIST7Z2.BAT

單位: m

港灣技術研究中心

表3.2.5a 2014年基隆港域主要測站每日潮位平均值統計表

| 日<br>年、月 | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 27   | 29   | 28   | 31   |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2013/12  | .00  | -.01 | .00  | .04  | .02  | .01  | -.03 | .01  | .08  | -.12 | -.05 | .00  | -.04 | -.03 | -.03 | .07  | .06  | .12  | .00  | -.11 | -.11 | -.07 | -.03 | -.04 | -.02 | .07  | .05  | -.11 | -.01 | .00  | .03  |
| 2014/01  | .05  | .08  | .08  | .08  | -.03 | -.02 | .03  | .08  | .09  | -.15 | -.03 | .01  | .03  | -.08 | -.08 | -.12 | -.08 | -.06 | -.06 | -.06 | .03  | -.18 | -.12 | -.01 | .06  | .16  | -.03 | .03  | .12  | .04  | .12  |
| 2014/02  | -.03 | .04  | .08  | .04  | -.14 | -.04 | .08  | .02  | -.02 | -.08 | -.10 | .01  | .04  | -.03 | -.08 | -.02 | .03  | .19  | .12  | -.05 | -.10 | -.08 | -.03 | .00  | .04  | .05  | .02  | .04  | .00  | .00  | .00  |
| 2014/03  | -.01 | .02  | -.05 | -.04 | .03  | .00  | -.03 | .04  | -.03 | -.07 | -.07 | .02  | .12  | -.09 | -.11 | -.07 | -.05 | -.03 | .04  | .04  | -.08 | -.22 | -.10 | -.03 | .02  | .08  | .12  | .12  | .12  | .16  | .12  |
| 2014/04  | -.07 | -.08 | -.05 | -.01 | -.06 | .02  | -.12 | -.01 | .04  | .04  | .07  | .07  | .13  | .06  | -.02 | .00  | .01  | .05  | .08  | .08  | .03  | .03  | -.05 | -.01 | .01  | .00  | .01  | -.02 | -.08 | -.14 | .00  |
| 2014/05  | .03  | -.01 | -.05 | -.08 | -.03 | -.20 | -.15 | -.06 | .04  | .01  | .04  | .07  | .07  | .06  | .14  | .02  | .01  | .02  | .02  | .02  | .00  | .04  | .07  | .05  | .00  | .04  | .02  | -.01 | -.04 | -.06 | -.09 |
| 2014/06  | -.06 | -.02 | .09  | .05  | .05  | .05  | .06  | .10  | .09  | .05  | .02  | -.05 | -.11 | -.13 | -.17 | -.18 | -.15 | -.08 | -.06 | -.04 | -.03 | .04  | .04  | .02  | .03  | .06  | .08  | .11  | .08  | .08  | .00  |
| 2014/07  | -.13 | -.12 | -.06 | -.03 | -.02 | .03  | .14  | .19  | .09  | .03  | -.02 | -.03 | -.04 | .00  | -.06 | -.06 | -.05 | -.06 | -.01 | .02  | .04  | .04  | -.07 | -.02 | -.11 | -.03 | .02  | .01  | .07  | .07  | .16  |
| 2014/08  | -.02 | -.06 | -.06 | -.04 | -.03 | .03  | .07  | .14  | .14  | .08  | .01  | -.02 | -.02 | -.06 | -.08 | -.07 | -.06 | -.02 | .00  | .03  | .02  | .04  | .06  | .03  | .03  | .03  | -.04 | -.07 | -.01 | -.02 | -.03 |
| 2014/09  | -.17 | -.12 | -.05 | .03  | .02  | .07  | .06  | .07  | .04  | .02  | .04  | -.04 | -.02 | .03  | .03  | .02  | .06  | .16  | .14  | .17  | .04  | -.06 | -.11 | -.10 | -.04 | -.07 | -.03 | -.07 | -.11 | -.01 | .00  |
| 2014/10  | .02  | .10  | .21  | .14  | .22  | .10  | -.10 | -.13 | -.17 | -.19 | -.04 | .10  | .13  | -.10 | -.17 | -.11 | -.08 | -.11 | .02  | .04  | .09  | .12  | -.01 | -.01 | -.01 | .01  | .08  | -.06 | -.07 | -.04 | -.02 |
| 2014/11  | .10  | .20  | .10  | -.10 | -.07 | -.11 | -.01 | -.01 | .02  | -.03 | .01  | .06  | .03  | -.13 | -.01 | .10  | .25  | .03  | -.13 | -.11 | -.10 | -.01 | .02  | .02  | .08  | .05  | -.02 | -.07 | -.01 | -.13 | .00  |
| 2014/冬   | .00  | .04  | .05  | .05  | -.05 | -.02 | .03  | .04  | .05  | -.04 | -.06 | .01  | .01  | -.05 | -.07 | -.02 | .00  | .08  | .02  | -.07 | -.06 | -.11 | -.06 | -.02 | .02  | .09  | .01  | -.01 | .05  | .02  | .08  |
| 2014/春   | -.01 | -.02 | -.05 | -.04 | -.02 | -.06 | -.10 | -.01 | .02  | -.01 | .01  | .05  | .10  | .01  | .00  | -.02 | -.01 | .01  | .04  | .05  | -.02 | -.05 | -.03 | .01  | .01  | .04  | .05  | .03  | .00  | -.02 | .02  |
| 2014/夏   | -.07 | -.07 | -.01 | -.01 | .00  | .03  | .09  | .14  | .10  | .05  | .01  | -.03 | -.05 | -.06 | -.10 | -.10 | -.09 | -.05 | -.02 | .00  | .01  | .04  | .01  | .01  | -.02 | .02  | .02  | .02  | .04  | .05  | .07  |
| 2014/秋   | -.02 | .06  | .09  | .02  | .05  | .02  | -.02 | -.03 | -.03 | -.07 | .00  | .04  | .05  | -.07 | -.05 | .00  | .08  | .03  | .01  | .04  | .01  | .02  | -.03 | -.03 | .01  | .00  | .01  | -.07 | -.06 | -.06 | -.02 |
| 2014/年   | -.02 | .00  | .02  | .01  | .00  | -.01 | .00  | .04  | .03  | -.01 | -.01 | .02  | .03  | -.04 | -.05 | -.03 | .00  | .02  | .01  | .00  | -.02 | -.03 | -.03 | -.01 | .01  | .04  | .02  | -.01 | .01  | .00  | .04  |

DIST9Z1.BAT

單位: m

港灣技術研究中心

表3.2.5b 歷年基隆港域主要測站每日潮位平均值統計表

| 日<br>年、月 | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 27   | 29   | 28   | 31   |     |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 歷年/12    | .05  | .05  | .05  | .03  | .02  | .00  | -.01 | .00  | .01  | -.01 | .03  | .00  | .00  | -.01 | -.02 | .00  | -.02 | .01  | -.04 | -.03 | -.02 | .00  | -.03 | -.01 | -.02 | .00  | -.03 | -.02 | .01  | .01  | -.04 |     |
| 歷年/01    | -.03 | -.02 | -.01 | .00  | .00  | -.02 | -.01 | .00  | .00  | -.01 | -.02 | .02  | -.01 | .00  | .00  | -.02 | -.03 | -.02 | .02  | .01  | .04  | .01  | -.01 | -.03 | -.02 | .02  | .01  | .02  | .03  | .03  | .01  |     |
| 歷年/02    | -.02 | .01  | -.02 | -.03 | -.02 | .00  | .02  | .00  | -.03 | .00  | .00  | -.01 | -.04 | .00  | .01  | .02  | .02  | .02  | .01  | -.03 | -.04 | .00  | .04  | .01  | .03  | .04  | .01  | .01  | .10  | .00  | .00  |     |
| 歷年/03    | .00  | .01  | -.03 | -.02 | -.01 | .01  | -.03 | -.04 | -.03 | -.04 | -.03 | -.03 | -.04 | -.05 | -.02 | .01  | .02  | .03  | .02  | .01  | .01  | -.01 | .05  | .01  | .01  | .01  | .03  | .06  | .04  | .02  | .04  |     |
| 歷年/04    | -.05 | -.02 | -.02 | -.04 | -.02 | -.01 | -.01 | -.03 | -.03 | -.01 | .01  | .01  | .03  | .02  | .00  | .02  | .02  | .01  | .02  | .02  | .03  | .03  | .04  | .01  | .00  | -.01 | .00  | -.02 | -.02 | .00  | .00  |     |
| 歷年/05    | -.04 | -.03 | -.05 | -.05 | -.06 | -.07 | -.05 | -.05 | -.02 | -.01 | -.01 | .00  | .02  | -.02 | -.01 | .00  | .01  | .02  | .03  | .02  | .03  | .02  | .04  | .04  | .03  | .03  | .03  | .04  | .05  | .03  | .04  |     |
| 歷年/06    | -.02 | -.02 | .00  | -.02 | -.03 | -.02 | -.02 | -.01 | .00  | .00  | .01  | -.01 | -.01 | -.02 | -.01 | -.01 | -.02 | .01  | .02  | .02  | .01  | .02  | .00  | .00  | .03  | .02  | .02  | .02  | .01  | .01  | .00  |     |
| 歷年/07    | -.06 | -.05 | -.05 | -.05 | -.05 | -.03 | -.01 | .00  | .00  | -.02 | -.03 | .01  | .03  | .02  | .00  | .01  | .01  | .01  | .00  | -.01 | -.01 | .00  | .00  | .02  | .02  | .03  | .04  | .03  | .04  | .06  | .06  |     |
| 歷年/08    | -.02 | -.01 | .00  | .02  | .05  | .06  | .05  | .01  | .02  | .02  | .00  | -.02 | -.02 | -.02 | -.02 | -.02 | -.01 | -.02 | -.02 | -.01 | .00  | -.01 | .00  | .00  | .00  | -.01 | -.01 | -.01 | -.02 | .00  | .03  |     |
| 歷年/09    | -.01 | -.02 | .01  | .02  | .04  | .05  | .02  | -.01 | -.01 | -.01 | -.01 | -.02 | .00  | .00  | .00  | .03  | .03  | .03  | .00  | .01  | .00  | -.03 | -.03 | -.02 | -.01 | -.01 | -.02 | .00  | -.01 | -.01 | .00  |     |
| 歷年/10    | .03  | .03  | .04  | .02  | .04  | .06  | .01  | .02  | -.01 | -.03 | -.01 | .00  | .01  | .00  | .00  | -.03 | -.01 | .00  | -.02 | .01  | .00  | -.01 | .00  | -.02 | .01  | -.01 | -.05 | -.05 | -.02 | -.02 | -.02 |     |
| 歷年/11    | .04  | .02  | -.01 | -.02 | -.01 | .01  | .01  | .03  | .04  | .03  | .06  | .04  | .02  | .04  | .04  | .01  | .02  | .00  | -.03 | -.04 | -.06 | -.03 | -.03 | -.01 | -.02 | -.03 | -.03 | -.02 | -.04 | -.04 | .00  |     |
| 歷年/冬     | .00  | .01  | .01  | .00  | .00  | -.01 | .01  | .00  | -.01 | .00  | .00  | .00  | -.02 | .00  | .00  | .00  | -.01 | .00  | .00  | -.02 | -.01 | .00  | .00  | -.01 | .00  | .03  | .00  | .00  | .03  | .02  | -.02 |     |
| 歷年/春     | -.03 | -.01 | -.03 | -.04 | -.03 | -.02 | -.03 | -.04 | -.03 | -.02 | -.01 | -.01 | .00  | -.02 | -.01 | .01  | .01  | .02  | .02  | .02  | .02  | .01  | .05  | .02  | .01  | .01  | .02  | .03  | .02  | .02  | .04  |     |
| 歷年/夏     | -.03 | -.03 | -.02 | -.02 | -.01 | .00  | .01  | .00  | .01  | .00  | -.01 | -.01 | .00  | -.01 | -.01 | .00  | -.01 | .00  | .00  | .00  | .00  | .00  | .00  | .01  | .01  | .01  | .01  | .01  | .01  | .01  | .02  | .04 |
| 歷年/秋     | .02  | .01  | .01  | .00  | .02  | .04  | .01  | .01  | .01  | .00  | .02  | .01  | .01  | .01  | .02  | .01  | .01  | .01  | -.02 | -.01 | -.02 | -.02 | -.02 | -.01 | -.01 | -.01 | -.03 | -.02 | -.02 | -.02 | -.02 |     |
| 歷年/年     | -.01 | .00  | -.01 | -.01 | .00  | .00  | .00  | -.01 | .00  | -.01 | .00  | .00  | .00  | .00  | .00  | .00  | .00  | .01  | .00  | .00  | .00  | .00  | .01  | .00  | .01  | .01  | .00  | .00  | .01  | .01  | .02  |     |

DIST9Z1.BAT

單位: m

港灣技術研究中心

表3.2.5c 2014年基隆港域主要測站每日潮位最大值統計表

| 日<br>年、月 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 27  | 29  | 28  | 31  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2013/12  | .36 | .40 | .45 | .56 | .52 | .52 | .47 | .53 | .51 | .45 | .25 | .27 | .24 | .28 | .30 | .47 | .46 | .51 | .36 | .26 | .25 | .29 | .32 | .28 | .36 | .43 | .36 | .16 | .29 | .38 | .44 |
| 2014/01  | .52 | .56 | .58 | .57 | .44 | .43 | .43 | .46 | .40 | .08 | .21 | .36 | .43 | .26 | .26 | .22 | .30 | .33 | .34 | .33 | .35 | .12 | .26 | .31 | .37 | .42 | .34 | .41 | .58 | .47 | .60 |
| 2014/02  | .45 | .50 | .48 | .45 | .20 | .26 | .38 | .31 | .28 | .26 | .19 | .38 | .43 | .30 | .24 | .29 | .36 | .50 | .55 | .30 | .16 | .17 | .23 | .31 | .42 | .48 | .45 | .44 | .00 | .00 | .00 |
| 2014/03  | .40 | .39 | .34 | .35 | .40 | .34 | .23 | .32 | .25 | .19 | .25 | .35 | .44 | .22 | .17 | .22 | .24 | .36 | .35 | .46 | .33 | .08 | .19 | .32 | .38 | .46 | .49 | .50 | .47 | .55 | .55 |
| 2014/04  | .32 | .32 | .32 | .31 | .24 | .39 | .19 | .26 | .35 | .33 | .31 | .31 | .39 | .32 | .33 | .39 | .41 | .43 | .51 | .50 | .48 | .49 | .37 | .34 | .37 | .29 | .36 | .40 | .29 | .31 | .00 |
| 2014/05  | .46 | .41 | .37 | .28 | .36 | .15 | .19 | .19 | .38 | .28 | .28 | .40 | .40 | .51 | .52 | .47 | .45 | .50 | .43 | .45 | .44 | .38 | .42 | .38 | .28 | .39 | .36 | .41 | .35 | .34 | .33 |
| 2014/06  | .35 | .32 | .41 | .37 | .37 | .33 | .34 | .34 | .35 | .37 | .40 | .42 | .36 | .38 | .40 | .30 | .34 | .35 | .29 | .32 | .27 | .35 | .35 | .37 | .44 | .48 | .47 | .48 | .45 | .44 | .00 |
| 2014/07  | .20 | .19 | .17 | .29 | .25 | .26 | .40 | .50 | .39 | .49 | .45 | .44 | .45 | .40 | .40 | .35 | .34 | .30 | .28 | .29 | .36 | .41 | .35 | .30 | .26 | .45 | .35 | .34 | .33 | .36 | .40 |
| 2014/08  | .29 | .25 | .21 | .21 | .27 | .37 | .50 | .67 | .60 | .54 | .43 | .40 | .37 | .33 | .27 | .20 | .24 | .31 | .34 | .35 | .41 | .38 | .38 | .33 | .33 | .28 | .20 | .20 | .28 | .22 | .27 |
| 2014/09  | .15 | .23 | .29 | .38 | .45 | .53 | .48 | .43 | .42 | .37 | .44 | .28 | .33 | .36 | .47 | .36 | .42 | .55 | .53 | .48 | .42 | .21 | .15 | .18 | .27 | .24 | .31 | .25 | .20 | .37 | .00 |
| 2014/10  | .37 | .56 | .65 | .58 | .63 | .48 | .28 | .25 | .29 | .25 | .39 | .60 | .58 | .33 | .32 | .32 | .28 | .26 | .29 | .37 | .32 | .39 | .29 | .39 | .34 | .45 | .55 | .35 | .43 | .45 | .52 |
| 2014/11  | .60 | .62 | .44 | .22 | .23 | .31 | .41 | .41 | .47 | .41 | .46 | .50 | .42 | .21 | .36 | .51 | .56 | .29 | .17 | .15 | .16 | .34 | .51 | .46 | .65 | .57 | .47 | .45 | .44 | .31 | .00 |
| 2014/冬   | .52 | .56 | .58 | .57 | .52 | .52 | .47 | .53 | .51 | .45 | .25 | .38 | .43 | .30 | .30 | .47 | .46 | .51 | .55 | .33 | .35 | .29 | .32 | .31 | .42 | .48 | .45 | .44 | .58 | .47 | .60 |
| 2014/春   | .46 | .41 | .37 | .35 | .40 | .39 | .23 | .32 | .38 | .33 | .31 | .40 | .44 | .51 | .52 | .47 | .45 | .50 | .51 | .50 | .48 | .49 | .42 | .38 | .38 | .46 | .49 | .50 | .47 | .55 | .55 |
| 2014/夏   | .35 | .32 | .41 | .37 | .37 | .37 | .50 | .67 | .60 | .54 | .45 | .44 | .45 | .40 | .40 | .35 | .34 | .35 | .34 | .35 | .41 | .41 | .38 | .37 | .44 | .48 | .47 | .48 | .45 | .44 | .40 |
| 2014/秋   | .60 | .62 | .65 | .58 | .63 | .53 | .48 | .43 | .47 | .41 | .46 | .60 | .58 | .36 | .47 | .51 | .56 | .55 | .53 | .48 | .42 | .39 | .51 | .46 | .65 | .57 | .55 | .45 | .44 | .45 | .52 |
| 2014/年   | .60 | .62 | .65 | .58 | .63 | .53 | .50 | .67 | .60 | .54 | .46 | .60 | .58 | .51 | .52 | .51 | .56 | .55 | .55 | .50 | .48 | .49 | .51 | .46 | .65 | .57 | .55 | .50 | .58 | .55 | .60 |

DIST922.BAT

單位: m

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表3.2.5d 歷年基隆港域主要測站每日潮位最大值統計表

| 日<br>年、月 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13   | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 27  | 29  | 28  | 31  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 歷年/12    | .61 | .66 | .64 | .73 | .56 | .56 | .54 | .63 | .51 | .47 | .56 | .60 | .64  | .60 | .57 | .61 | .52 | .51 | .41 | .49 | .43 | .55 | .65 | .71 | .57 | .57 | .52 | .54 | .52 | .52 | .58 |
| 歷年/01    | .52 | .56 | .61 | .57 | .58 | .55 | .49 | .54 | .53 | .56 | .50 | .62 | .60  | .56 | .52 | .49 | .44 | .46 | .52 | .60 | .70 | .59 | .63 | .46 | .48 | .62 | .52 | .54 | .58 | .53 | .60 |
| 歷年/02    | .61 | .52 | .48 | .45 | .47 | .54 | .62 | .55 | .44 | .55 | .46 | .46 | .43  | .51 | .46 | .53 | .56 | .58 | .59 | .50 | .40 | .47 | .55 | .49 | .55 | .57 | .54 | .53 | .37 | .00 | .00 |
| 歷年/03    | .53 | .55 | .57 | .49 | .52 | .65 | .53 | .49 | .45 | .44 | .58 | .66 | .44  | .49 | .80 | .59 | .50 | .66 | .58 | .59 | .65 | .62 | .73 | .51 | .48 | .56 | .56 | .54 | .49 | .55 | .55 |
| 歷年/04    | .46 | .44 | .44 | .41 | .54 | .61 | .50 | .45 | .47 | .56 | .48 | .48 | .53  | .49 | .45 | .54 | .53 | .52 | .55 | .54 | .48 | .52 | .64 | .51 | .50 | .54 | .46 | .46 | .46 | .50 | .00 |
| 歷年/05    | .46 | .51 | .45 | .39 | .38 | .42 | .46 | .52 | .57 | .64 | .67 | .48 | .49  | .51 | .52 | .57 | .61 | .60 | .57 | .51 | .52 | .49 | .51 | .56 | .55 | .57 | .55 | .55 | .58 | .55 | .52 |
| 歷年/06    | .53 | .47 | .53 | .53 | .59 | .61 | .52 | .51 | .48 | .44 | .47 | .49 | .51  | .53 | .54 | .55 | .51 | .56 | .56 | .65 | .63 | .63 | .57 | .57 | .59 | .53 | .59 | .53 | .48 | .54 | .00 |
| 歷年/07    | .47 | .61 | .55 | .57 | .53 | .44 | .45 | .54 | .56 | .49 | .50 | .65 | 1.03 | .72 | .59 | .51 | .53 | .49 | .52 | .53 | .53 | .54 | .48 | .47 | .46 | .52 | .48 | .52 | .59 | .68 | .62 |
| 歷年/08    | .61 | .55 | .46 | .71 | .71 | .71 | .66 | .67 | .60 | .59 | .57 | .55 | .52  | .41 | .40 | .44 | .52 | .58 | .57 | .55 | .67 | .47 | .40 | .74 | .70 | .53 | .62 | .49 | .58 | .46 | .70 |
| 歷年/09    | .57 | .46 | .64 | .49 | .66 | .82 | .63 | .45 | .42 | .44 | .44 | .45 | .52  | .49 | .50 | .45 | .54 | .66 | .53 | .57 | .53 | .45 | .46 | .44 | .42 | .46 | .42 | .45 | .49 | .57 | .00 |
| 歷年/10    | .56 | .58 | .65 | .58 | .63 | .71 | .50 | .54 | .45 | .43 | .49 | .60 | .58  | .54 | .58 | .50 | .57 | .62 | .78 | .68 | .51 | .51 | .56 | .55 | .53 | .51 | .55 | .54 | .59 | .56 | .61 |
| 歷年/11    | .60 | .62 | .48 | .46 | .51 | .62 | .61 | .59 | .61 | .74 | .64 | .52 | .55  | .63 | .66 | .66 | .59 | .55 | .57 | .45 | .44 | .50 | .51 | .51 | .65 | .57 | .60 | .61 | .54 | .52 | .00 |
| 歷年/冬     | .61 | .66 | .64 | .73 | .58 | .56 | .62 | .63 | .53 | .56 | .56 | .62 | .64  | .60 | .57 | .61 | .56 | .58 | .59 | .60 | .70 | .59 | .65 | .71 | .57 | .62 | .54 | .54 | .58 | .53 | .60 |
| 歷年/春     | .53 | .55 | .57 | .49 | .54 | .65 | .53 | .52 | .57 | .64 | .67 | .66 | .53  | .51 | .80 | .59 | .61 | .66 | .58 | .59 | .65 | .62 | .73 | .56 | .55 | .57 | .56 | .55 | .58 | .55 | .55 |
| 歷年/夏     | .61 | .61 | .55 | .71 | .71 | .71 | .66 | .67 | .60 | .59 | .57 | .65 | 1.03 | .72 | .59 | .55 | .53 | .58 | .57 | .65 | .67 | .63 | .57 | .74 | .70 | .53 | .62 | .53 | .59 | .68 | .70 |
| 歷年/秋     | .60 | .62 | .65 | .58 | .66 | .82 | .63 | .59 | .61 | .74 | .64 | .60 | .58  | .63 | .66 | .66 | .59 | .66 | .78 | .68 | .53 | .51 | .56 | .55 | .65 | .57 | .60 | .61 | .59 | .57 | .61 |
| 歷年/年     | .61 | .66 | .65 | .73 | .71 | .82 | .66 | .67 | .61 | .74 | .67 | .66 | 1.03 | .72 | .80 | .66 | .61 | .66 | .78 | .68 | .70 | .63 | .73 | .74 | .70 | .62 | .62 | .61 | .59 | .68 | .70 |

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單位: m

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表3.2.6a 2014年冬季基隆港域主要測站潮差及週期聯合分佈百分比(%)統計表

2013年12月1日0時0分~2014年2月28日23時0分

| 週期<br>(時)<br>潮差 (m) | 4~<br>6時 | 6~<br>8時 | 8~<br>10時 | 10~<br>12時 | 12~<br>14時 | 14~<br>16時 | 16~<br>18時 | 18~<br>20時 | 20~<br>22時 | 22~<br>24時 | 24~<br>26時 | 26~<br>28時 | 28~<br>30時 | 30~<br>100時 | 合計<br>(%) |
|---------------------|----------|----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-----------|
| .0m                 | .0       | .0       | .0        | 6.7        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 6.7       |
| .2m                 | .0       | .0       | .0        | 10.0       | 17.3       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 27.3      |
| .4m                 | .0       | .0       | .0        | .0         | 23.3       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 23.3      |
| .6m                 | .0       | .0       | .0        | .0         | 15.3       | 1.3        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 16.7      |
| .8m                 | .0       | .0       | .0        | .0         | .0         | 14.0       | .0         | .0         | .0         | .0         | 1.3        | .0         | .0         | .0          | 15.3      |
| 1.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 8.0        | .0         | .0         | .0          | 8.0       |
| 1.2m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 1.3        | 1.3        | .0         | .0          | 2.7       |
| 1.4m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.6m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.8m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 6.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 10.0m               | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 合計                  | .0       | .0       | .0        | 16.7       | 56.0       | 15.3       | .0         | .0         | .0         | .0         | 10.7       | 1.3        | .0         | .0          | 100.0     |

DIST1Z.BAT

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- [註1]: 潮差介於 .2m ~ .4m 佔 27.3%。週期介於 12.0時~14.0時 佔 56.0%。  
 [註2]: 平均潮差 = .59m, 最大潮差 = 1.36m, 平均週期 = 13.9時, 最大週期 = 26.00時。  
 [註3]: 潮差小於1m 佔 89.3%。潮差介於 1~2m 佔 10.7%。潮差大於2m 佔 .0%。  
 [註4]: 週期小於14時佔 72.7%;14時~30時佔 27.3%;大於30時佔 .0%。  
 [註5]: 平均潮位 = .00m 最大潮位 = .60m, 最小潮位 = -.80m。  
 [註6]: 潮差數合計 150個, 潮位數 2160小時 (100.0%), 檔名: T14WKLTO.1HV。



表3.2.6b 歷年 冬季 基隆港域主要測站潮差及週期聯合分佈百分比 (%) 統計表

2002年12月27日12時 0分 ~ 2014年 2月28日23時 0分

| 週期<br>(時)<br>潮差 (m) | 4~<br>6時 | 6~<br>8時 | 8~<br>10時 | 10~<br>12時 | 12~<br>14時 | 14~<br>16時 | 16~<br>18時 | 18~<br>20時 | 20~<br>22時 | 22~<br>24時 | 24~<br>26時 | 26~<br>28時 | 28~<br>30時 | 30~<br>100時 | 合計<br>(%) |
|---------------------|----------|----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-----------|
| .0m                 | .0       | .0       | 1.8       | 6.9        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 8.7       |
| .2m                 | .0       | .0       | .0        | 8.9        | 15.8       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 24.7      |
| .4m                 | .0       | .0       | .0        | .0         | 20.4       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 20.4      |
| .6m                 | .0       | .0       | .0        | .0         | 7.1        | 10.4       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 17.5      |
| .8m                 | .0       | .0       | .0        | .0         | .0         | 7.2        | 1.6        | .0         | .0         | 1.1        | 4.4        | .0         | .0         | .0          | 14.2      |
| 1.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 10.7       | .0         | .0         | .0          | 10.7      |
| 1.2m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .9         | 2.1        | .0         | .0          | 3.0       |
| 1.4m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .6         | .0         | .0          | .6        |
| 1.6m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.8m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 6.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 10.0m               | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 合計                  | .0       | .0       | 1.8       | 15.8       | 43.3       | 17.5       | 1.6        | .0         | .0         | 1.1        | 16.0       | 2.7        | .0         | .0          | 100.0     |

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- [註1]: 潮差介於 .2m ~ .4m 佔 24.7%。週期介於 12.0時~ 14.0時 佔 43.3%。  
 [註2]: 平均潮差 = .60m, 最大潮差 = 1.48m, 平均週期 = 14.9時, 最大週期 = 27.00時。  
 [註3]: 潮差小於1m 佔 85.5%。潮差介於 1~2m 佔 14.3%。潮差大於2m 佔 .0%。  
 [註4]: 週期小於14時佔 61.2%;14時 ~ 30時佔 38.8%; 大於30時佔 .0%。  
 [註5]: 平均潮位 = .00m 最大潮位 = .73m, 最小潮位 = -.98m。  
 [註6]: 潮差數合計 1352個, 潮位數 22799小時 ( 93.0%), 檔名: T44WKL0.1HV。

表3.2.6c 2014年 春季 基隆港域主要測站潮差及週期聯合分佈百分比 (%) 統計表

2014年 3月 1日 0時 0分 ~ 2014年 5月31日 23時 0分

| 週期<br>(時)<br>潮差 (m) | 4~<br>6時 | 6~<br>8時 | 8~<br>10時 | 10~<br>12時 | 12~<br>14時 | 14~<br>16時 | 16~<br>18時 | 18~<br>20時 | 20~<br>22時 | 22~<br>24時 | 24~<br>26時 | 26~<br>28時 | 28~<br>30時 | 30~<br>100時 | 合計<br>(%) |
|---------------------|----------|----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-----------|
| .0m                 | .0       | .0       | .0        | 7.9        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 7.9       |
| .2m                 | .0       | .0       | .0        | 7.3        | 12.6       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 19.9      |
| .4m                 | .0       | .0       | .0        | .0         | 32.5       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 32.5      |
| .6m                 | .0       | .0       | .0        | .0         | 18.5       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 18.5      |
| .8m                 | .0       | .0       | .0        | .0         | 1.3        | 10.6       | .0         | .0         | .0         | .0         | 6.6        | 1.3        | .0         | .0          | 19.9      |
| 1.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 1.3        | .0         | .0          | 1.3       |
| 1.2m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.4m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.6m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.8m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 6.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 10.0m               | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 合計                  | .0       | .0       | .0        | 15.2       | 64.9       | 10.6       | .0         | .0         | .0         | .0         | 6.6        | 2.6        | .0         | .0          | 100.0     |

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- [註1]: 潮差介於 .4m ~ .6m 佔 32.5%。週期介於 12.0時~ 14.0時 佔 64.9%。  
 [註2]: 平均潮差 = .55m, 最大潮差 = 1.06m, 平均週期 = 13.6時, 最大週期 = 26.00時。  
 [註3]: 潮差小於 1m 佔 98.7%。潮差介於 1~2m 佔 1.3%。潮差大於 2m 佔 .0%。  
 [註4]: 週期小於 14時 佔 80.1%; 14時 ~ 30時 佔 19.9%; 大於 30時 佔 .0%。  
 [註5]: 平均潮位 = .00m 最大潮位 = .55m, 最小潮位 = -.71m。  
 [註6]: 潮差數合計 151個, 潮位數 2208小時 (100.0%), 檔名: T14NKLT0.1HV。

表3.2.6d 歷年 春季 基隆港域主要測站潮差及週期聯合分佈百分比 (%) 統計表

2003年 3月 1日 0時 0分 ~ 2014年 5月 31日 23時 0分

| 週期<br>(時)<br>潮差 (m) | 4~<br>6時 | 6~<br>8時 | 8~<br>10時 | 10~<br>12時 | 12~<br>14時 | 14~<br>16時 | 16~<br>18時 | 18~<br>20時 | 20~<br>22時 | 22~<br>24時 | 24~<br>26時 | 26~<br>28時 | 28~<br>30時 | 30~<br>100時 | 合計<br>(%) |
|---------------------|----------|----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-----------|
| .0m                 | .0       | .0       | 1.3       | 9.0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 10.3      |
| .2m                 | .0       | .0       | .0        | 7.0        | 11.1       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 18.1      |
| .4m                 | .0       | .0       | .0        | .0         | 25.1       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 25.1      |
| .6m                 | .0       | .0       | .0        | .0         | 9.4        | 12.5       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 21.9      |
| .8m                 | .0       | .0       | .0        | .0         | .0         | 2.2        | 1.3        | .0         | .0         | .7         | 13.5       | .0         | .0         | .0          | 17.7      |
| 1.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 2.7        | 2.6        | .0         | .0          | 5.3       |
| 1.2m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 1.3        | .0         | .0          | 1.3       |
| 1.4m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.6m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.8m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 6.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 10.0m               | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 合計                  | .0       | .0       | 1.3       | 16.0       | 45.6       | 14.7       | 1.3        | .0         | .0         | .7         | 16.2       | 3.9        | .0         | .0          | 100.0     |

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- [註1]: 潮差介於 .4m ~ .6m 佔 25.1%。週期介於 12.0時~ 14.0時 佔 45.6%。  
 [註2]: 平均潮差 = .57m, 最大潮差 = 1.31m, 平均週期 = 15.0時, 最大週期 = 27.00時。  
 [註3]: 潮差小於 1m 佔 93.1%。潮差介於 1~2m 佔 6.6%。潮差大於 2m 佔 .0%。  
 [註4]: 週期小於 14時 佔 63.2%; 14時 ~ 30時 佔 36.8%; 大於 30時 佔 .0%。  
 [註5]: 平均潮位 = .00m 最大潮位 = .80m, 最小潮位 = -.89m。  
 [註6]: 潮差數合計 1547個, 潮位數 26269小時 (99.1%), 檔名: T44NKLT0.1HV。

表3.2.6e 2014年 夏季 基隆港域主要測站潮差及週期聯合分佈百分比 (%) 統計表

2014年 6月 1日 0時 0分 ~ 2014年 8月31日 23時 0分

| 週期<br>(時)<br>潮差 (m) | 4~<br>6時 | 6~<br>8時 | 8~<br>10時 | 10~<br>12時 | 12~<br>14時 | 14~<br>16時 | 16~<br>18時 | 18~<br>20時 | 20~<br>22時 | 22~<br>24時 | 24~<br>26時 | 26~<br>28時 | 28~<br>30時 | 30~<br>100時 | 合計<br>(%) |
|---------------------|----------|----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-----------|
| .0m                 | .0       | .0       | 1.3       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 1.3       |
| .2m                 | .0       | .0       | .0        | 28.1       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 28.1      |
| .4m                 | .0       | .0       | .0        | .7         | 27.5       | 3.9        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 32.0      |
| .6m                 | .0       | .0       | .0        | .0         | .0         | 21.6       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 21.6      |
| .8m                 | .0       | .0       | .0        | .0         | .0         | 1.3        | 1.3        | .0         | .0         | .7         | 9.8        | .0         | .0         | .0          | 13.1      |
| 1.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 2.0        | .0         | .0         | .0          | 2.0       |
| 1.2m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 1.3        | .0         | .0         | .0          | 1.3       |
| 1.4m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.6m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.8m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 6.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 10.0m               | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 合計                  | .0       | .0       | 1.3       | 28.8       | 27.5       | 26.8       | 1.3        | .0         | .0         | .7         | 13.1       | .0         | .0         | .0          | 100.0     |

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- [註1]: 潮差介於 .4m ~ .6m 佔 32.0%。週期介於 10.0時~ 12.0時 佔 28.8%。  
 [註2]: 平均潮差 = .55m, 最大潮差 = 1.30m, 平均週期 = 14.1時, 最大週期 = 25.00時。  
 [註3]: 潮差小於 1m 佔 96.1%。潮差介於 1~2m 佔 3.3%。潮差大於 2m 佔 .0%。  
 [註4]: 週期小於 14時 佔 58.2%; 14時 ~ 30時 佔 41.8%; 大於 30時 佔 .0%。  
 [註5]: 平均潮位 = .00m 最大潮位 = .67m, 最小潮位 = -.94m。  
 [註6]: 潮差數合計 153個, 潮位數 2208小時 (100.0%), 檔名: T14SKLT0.1HV。

表3.2.6f 歷年 夏季 基隆港域主要測站潮差及週期聯合分佈百分比 (%) 統計表

2002年 6月19日 16時 0分 ~ 2014年 8月31日 23時 0分

| 週期<br>(時)<br>潮差 (m) | 4~<br>6時 | 6~<br>8時 | 8~<br>10時 | 10~<br>12時 | 12~<br>14時 | 14~<br>16時 | 16~<br>18時 | 18~<br>20時 | 20~<br>22時 | 22~<br>24時 | 24~<br>26時 | 26~<br>28時 | 28~<br>30時 | 30~<br>100時 | 合計<br>(%) |
|---------------------|----------|----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-----------|
| .0m                 | .0       | .0       | 3.0       | 8.3        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 11.3      |
| .2m                 | .0       | .0       | .0        | 9.4        | 16.0       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 25.4      |
| .4m                 | .0       | .0       | .0        | .0         | 21.1       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 21.1      |
| .6m                 | .0       | .0       | .0        | .0         | 4.1        | 15.1       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 19.2      |
| .8m                 | .0       | .0       | .0        | .0         | .0         | 4.2        | 2.2        | .0         | .0         | .4         | 5.9        | .0         | .0         | .0          | 12.7      |
| 1.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 7.1        | .0         | .0         | .0          | 7.1       |
| 1.2m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 1.4        | 1.0        | .0         | .0          | 2.4       |
| 1.4m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .1         | .0         | .0          | .1        |
| 1.6m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.8m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 6.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 10.0m               | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 合計                  | .0       | .0       | 3.0       | 17.7       | 41.3       | 19.3       | 2.2        | .0         | .0         | .4         | 14.4       | 1.1        | .0         | .0          | 100.0     |

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- [註1]: 潮差介於 .2m ~ .4m 佔 25.4%。週期介於 12.0時~ 14.0時 佔 41.3%。  
 [註2]: 平均潮差 = .55m, 最大潮差 = 1.57m, 平均週期 = 14.4時, 最大週期 = 26.00時。  
 [註3]: 潮差小於 1m 佔 89.8%。潮差介於 1~2m 佔 9.6%。潮差大於 2m 佔 .0%。  
 [註4]: 週期小於 14時 佔 62.6%; 14時 ~ 30時 佔 37.4%; 大於 30時 佔 .0%。  
 [註5]: 平均潮位 = .00m 最大潮位 = 1.03m, 最小潮位 = -.95m。  
 [註6]: 潮差數合計 1755個, 潮位數 27036小時 ( 96.7%), 檔名: T44SKLT0.1HV。

表3.2.6g 2014年 秋季 基隆港域主要測站潮差及週期聯合分佈百分比 (%) 統計表

2014年 9月 1日 0時 0分 ~ 2014年 11月 30日 23時 0分

| 週期<br>(時)<br>潮差 (m) | 4~<br>6時 | 6~<br>8時 | 8~<br>10時 | 10~<br>12時 | 12~<br>14時 | 14~<br>16時 | 16~<br>18時 | 18~<br>20時 | 20~<br>22時 | 22~<br>24時 | 24~<br>26時 | 26~<br>28時 | 28~<br>30時 | 30~<br>100時 | 合計<br>(%) |
|---------------------|----------|----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-----------|
| .0m                 | .0       | .0       | .0        | 6.3        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 6.3       |
| .2m                 | .0       | .0       | .0        | 15.3       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 15.3      |
| .4m                 | .0       | .0       | .0        | 2.1        | 25.0       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 27.1      |
| .6m                 | .0       | .0       | .0        | .0         | 18.8       | 8.3        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 27.1      |
| .8m                 | .0       | .0       | .0        | .0         | .0         | 11.1       | .7         | .0         | .0         | .7         | 5.6        | .0         | .0         | .0          | 18.1      |
| 1.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 2.8        | 3.5        | .0         | .0          | 6.3       |
| 1.2m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.4m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.6m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.8m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 6.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 10.0m               | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 合計                  | .0       | .0       | .0        | 23.6       | 43.8       | 19.4       | .7         | .0         | .0         | .7         | 8.3        | 3.5        | .0         | .0          | 100.0     |

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- [註1]: 潮差介於 .4m ~ .6m 佔 27.1%。週期介於 12.0時~ 14.0時 佔 43.8%。  
 [註2]: 平均潮差 = .60m, 最大潮差 = 1.12m, 平均週期 = 14.0時, 最大週期 = 26.00時。  
 [註3]: 潮差小於 1m 佔 93.8%。潮差介於 1~2m 佔 6.3%。潮差大於 2m 佔 .0%。  
 [註4]: 週期小於 14時 佔 67.4%; 14時 ~ 30時 佔 32.6%; 大於 30時 佔 .0%。  
 [註5]: 平均潮位 = .00m 最大潮位 = .65m, 最小潮位 = -.76m。  
 [註6]: 潮差數合計 144個, 潮位數 2184小時 (100.0%), 檔名: T14FKLT0.1HV。

表3.2.6h 歷年 秋季 基隆港域主要測站潮差及週期聯合分佈百分比 (%) 統計表

2002年 9月 1日 0時 0分 ~ 2014年 11月 30日 23時 0分

| 週期<br>(時)<br>潮差 (m) | 4~<br>6時 | 6~<br>8時 | 8~<br>10時 | 10~<br>12時 | 12~<br>14時 | 14~<br>16時 | 16~<br>18時 | 18~<br>20時 | 20~<br>22時 | 22~<br>24時 | 24~<br>26時 | 26~<br>28時 | 28~<br>30時 | 30~<br>100時 | 合計<br>(%) |
|---------------------|----------|----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-----------|
| .0m                 | .0       | .0       | .7        | 8.2        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 8.9       |
| .2m                 | .0       | .0       | .0        | 10.8       | 8.8        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 19.6      |
| .4m                 | .0       | .0       | .0        | .0         | 26.6       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 26.6      |
| .6m                 | .0       | .0       | .0        | .0         | 12.3       | 13.4       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 25.6      |
| .8m                 | .0       | .0       | .0        | .0         | .0         | 4.1        | 1.0        | .0         | .0         | .3         | 8.0        | .0         | .0         | .0          | 13.4      |
| 1.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 3.1        | 1.4        | .0         | .0          | 4.5       |
| 1.2m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 1.2        | .0         | .0          | 1.2       |
| 1.4m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .1         | .0         | .0          | .1        |
| 1.6m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.8m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 6.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 10.0m               | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 合計                  | .0       | .0       | .7        | 19.0       | 47.7       | 17.4       | 1.0        | .0         | .0         | .3         | 11.1       | 2.7        | .0         | .0          | 100.0     |

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- [註1]: 潮差介於 .4m ~ .6m 佔 26.6%。週期介於 12.0時~ 14.0時 佔 47.7%。  
 [註2]: 平均潮差 = .56m, 最大潮差 = 1.41m, 平均週期 = 14.2時, 最大週期 = 27.00時。  
 [註3]: 潮差小於 1m 佔 94.1%。潮差介於 1~2m 佔 5.8%。潮差大於 2m 佔 .0%。  
 [註4]: 週期小於 14時 佔 67.4%; 14時 ~ 30時 佔 32.6%; 大於 30時 佔 .0%。  
 [註5]: 平均潮位 = .00m 最大潮位 = .82m, 最小潮位 = -1.00m。  
 [註6]: 潮差數合計 1760個, 潮位數 27225小時 ( 98.4%), 檔名: T44FKLT0.1HV。

表3.2.6i 2014年 整年 基隆港域主要測站潮差及週期聯合分佈百分比 (%) 統計表

2013年12月1日 0時 0分 ~ 2014年11月30日 23時 0分

| 週期<br>(時)<br>潮差 (m) | 4~<br>6時 | 6~<br>8時 | 8~<br>10時 | 10~<br>12時 | 12~<br>14時 | 14~<br>16時 | 16~<br>18時 | 18~<br>20時 | 20~<br>22時 | 22~<br>24時 | 24~<br>26時 | 26~<br>28時 | 28~<br>30時 | 30~<br>100時 | 合計<br>(%) |
|---------------------|----------|----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-----------|
| .0m                 | .0       | .0       | .3        | 5.2        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 5.5       |
| .2m                 | .0       | .0       | .0        | 15.9       | 6.9        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 22.7      |
| .4m                 | .0       | .0       | .0        | .0         | 28.8       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 28.8      |
| .6m                 | .0       | .0       | .0        | .0         | 12.4       | 8.5        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 20.9      |
| .8m                 | .0       | .0       | .0        | .0         | .0         | 9.5        | .5         | .0         | .0         | .3         | 6.2        | .0         | .0         | .0          | 16.6      |
| 1.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 3.5        | .8         | .0         | .0          | 4.3       |
| 1.2m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 1.0        | .0         | .0          | 1.0       |
| 1.4m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.6m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.8m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 6.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 10.0m               | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 合計                  | .0       | .0       | .3        | 21.1       | 48.0       | 18.1       | .5         | .0         | .0         | .3         | 9.7        | 1.8        | .0         | .0          | 100.0     |

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- [註1]: 潮差介於 .4m ~ .6m 佔 28.8%。週期介於 12.0時~ 14.0時 佔 48.0%。
- [註2]: 平均潮差 = .57m, 最大潮差 = 1.36m, 平均週期 = 13.9時, 最大週期 = 26.00時。
- [註3]: 潮差小於1m 佔 94.5%。潮差介於 1~2m 佔 5.4%。潮差大於2m 佔 .0%。
- [註4]: 週期小於14時佔 69.6%;14時 ~ 30時佔 30.4%; 大於30時佔 .0%。
- [註5]: 平均潮位 = .00m 最大潮位 = .67m, 最小潮位 = -.94m。
- [註6]: 潮差數合計 598個, 潮位數 8760小時 (100.0%), 檔名: T140KLT0.1HV。



表3.2.6j 歷年 基隆港域主要測站潮差及週期聯合分佈百分比 (%) 統計表

2002年 6月19日 16時 0分 ~ 2014年 11月30日 23時 0分

| 週期<br>(時)<br>潮差 (m) | 4~<br>6時 | 6~<br>8時 | 8~<br>10時 | 10~<br>12時 | 12~<br>14時 | 14~<br>16時 | 16~<br>18時 | 18~<br>20時 | 20~<br>22時 | 22~<br>24時 | 24~<br>26時 | 26~<br>28時 | 28~<br>30時 | 30~<br>100時 | 合計<br>(%) |
|---------------------|----------|----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-----------|
| .0m                 | .0       | .0       | 1.7       | 8.1        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 9.9       |
| .2m                 | .0       | .0       | .0        | 9.1        | 12.8       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 21.9      |
| .4m                 | .0       | .0       | .0        | .0         | 23.5       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 23.5      |
| .6m                 | .0       | .0       | .0        | .0         | 8.2        | 13.0       | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | 21.3      |
| .8m                 | .0       | .0       | .0        | .0         | .0         | 4.3        | 1.5        | .0         | .0         | .6         | 8.0        | .0         | .0         | .0          | 14.4      |
| 1.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 6.3        | .5         | .0         | .0          | 6.7       |
| 1.2m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | 1.9        | .0         | .0          | 1.9       |
| 1.4m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .2         | .0         | .0          | .2        |
| 1.6m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 1.8m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 2.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 3.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 4.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 5.5m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 6.0m                | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 10.0m               | .0       | .0       | .0        | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0         | .0          | .0        |
| 合計                  | .0       | .0       | 1.7       | 17.3       | 44.5       | 17.3       | 1.5        | .0         | .0         | .6         | 14.3       | 2.5        | .0         | .0          | 100.0     |

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- [註1]: 潮差介於 .4m ~ .6m 佔 23.5%。週期介於 12.0時~ 14.0時 佔 44.5%。
- [註2]: 平均潮差 = .57m, 最大潮差 = 1.57m, 平均週期 = 14.6時, 最大週期 = 27.00時。
- [註3]: 潮差小於 1m 佔 90.9%。潮差介於 1~2m 佔 8.8%。潮差大於 2m 佔 .0%。
- [註4]: 週期小於 14時 佔 63.8%; 14時 ~ 30時 佔 36.2%; 大於 30時 佔 .0%。
- [註5]: 平均潮位 = .00m 最大潮位 = 1.03m, 最小潮位 = -1.00m。
- [註6]: 潮差數合計 6414個, 潮位數 103329小時 ( 96.9%), 檔名: T440KLT0.1HV。



### 3.3 基隆港域主要測站潮汐資料統計圖



## Tidal Level Statistics of KLTO

■ : 2014      ■ : Years


圖 3.3.1 基隆港域 2014 及歷年 T 站每月 (季) 潮位統計量比較圖

# Tidal Level Statistics of KLT0 at 2014

■ : Winter    ■ : Summer    ■ : Year

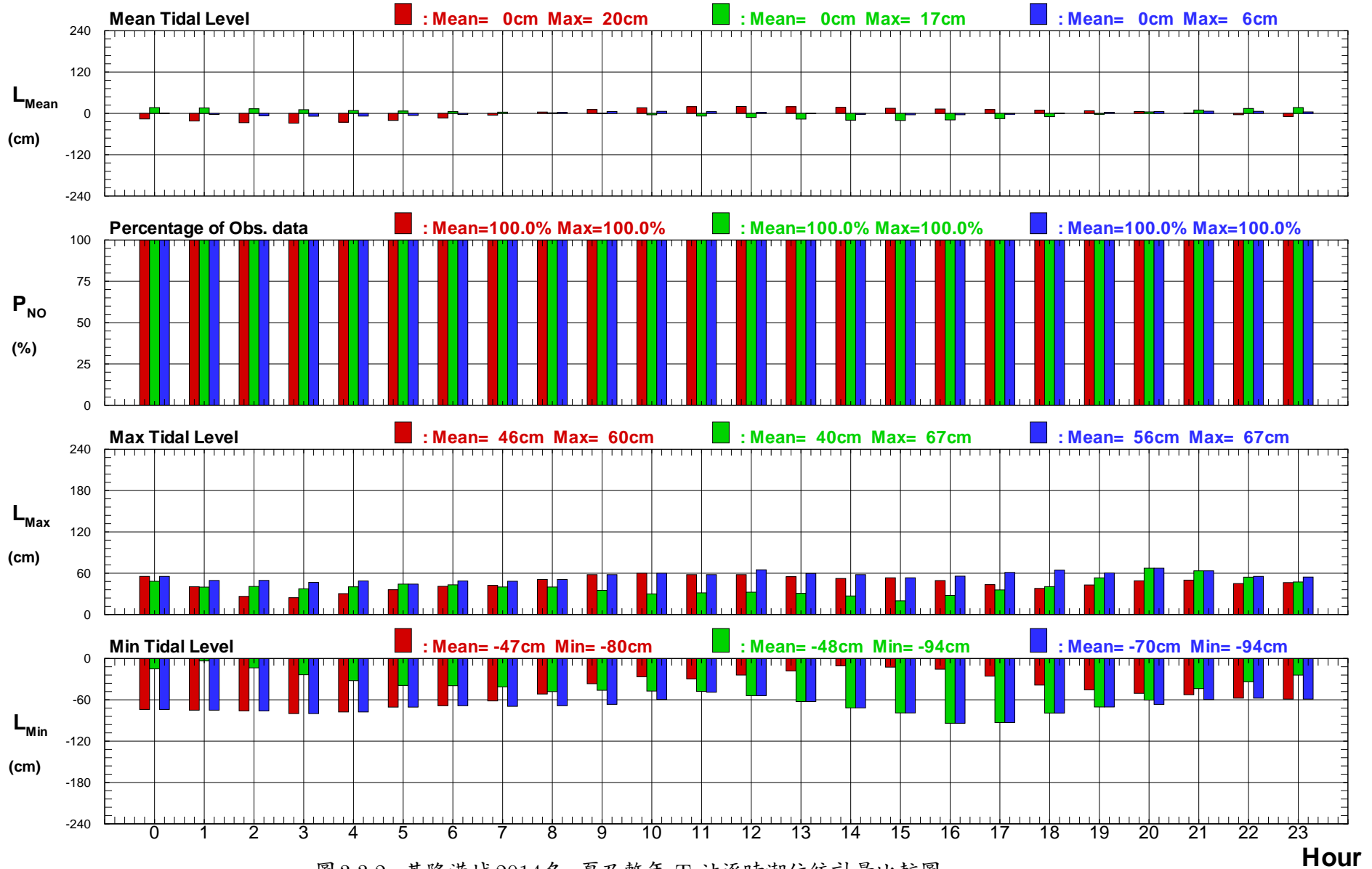


圖 3.3.2a 基隆港域 2014 冬, 夏及整年 T 站逐時潮位統計量比較圖

T140KLT0.TS2 T140KLT0.TS2 T140KLT0.TS2

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STAT1X.BAT(STAT1XH.DAT)

2017/08/18

3-3-2

# Tidal Level Statistics of KLT0 at Years

■ : Winter    ■ : Summer    ■ : Year

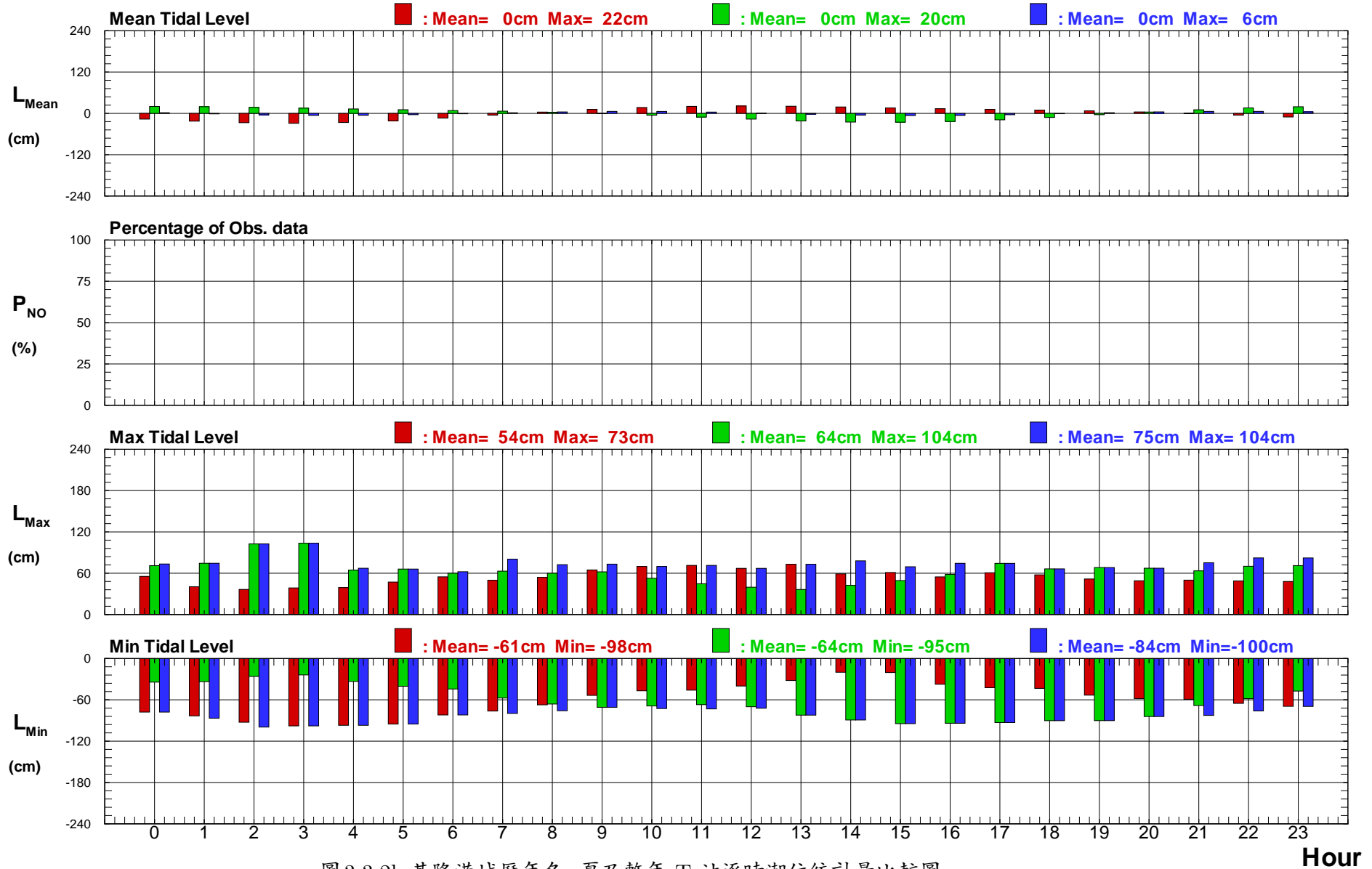


圖 3.3.2b 基隆港域歷年冬, 夏及整年 T 站逐時潮位統計量比較圖

T440KLT0.TS2 T440KLT0.TS2 T440KLT0.TS2

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STAT1X.BAT(STAT1XH.DAT)

2017/08/18

### Tidal Level Statistics of KLT0 at 2014

■ : Winter    ■ : Summer    ■ : Year

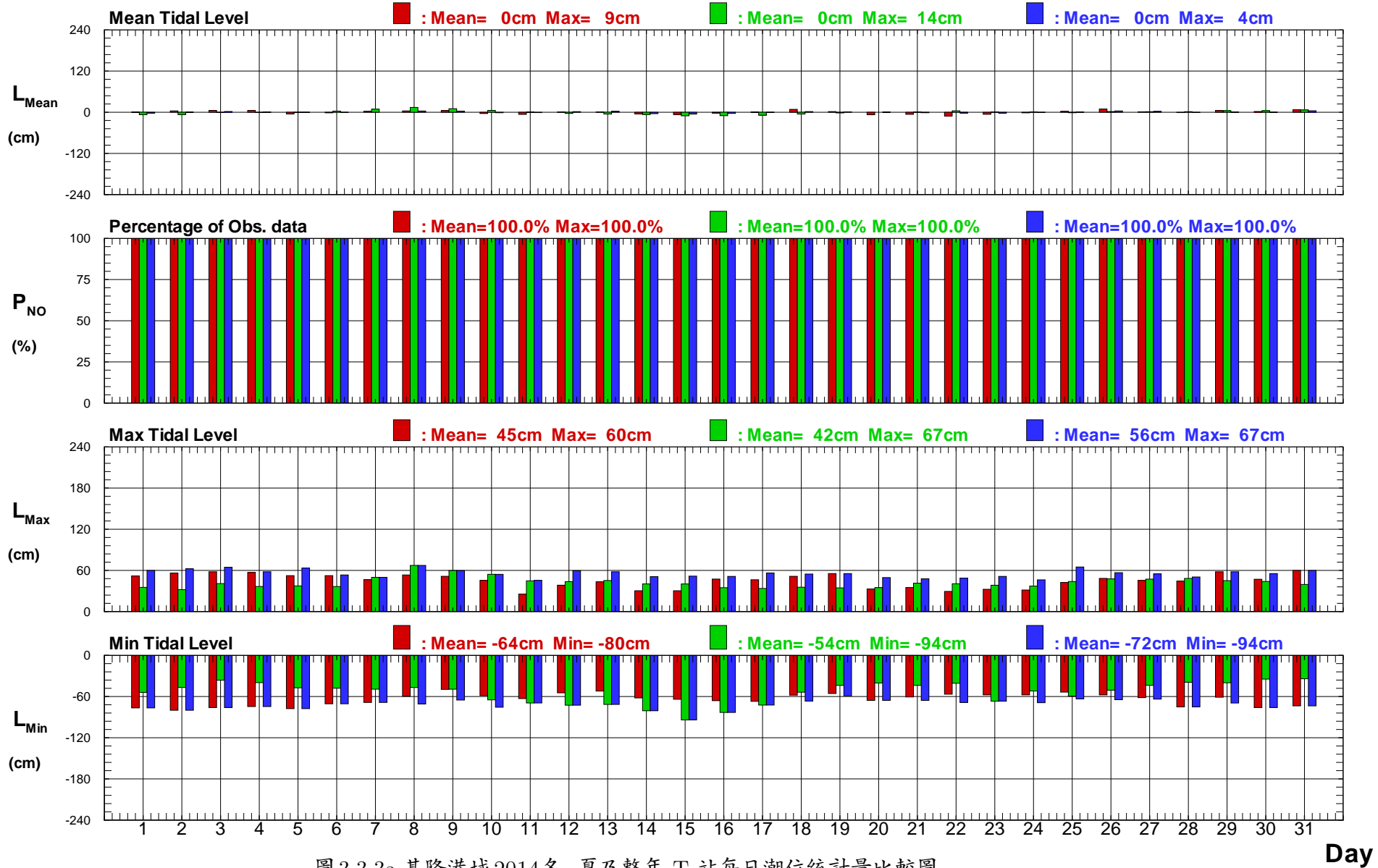


圖 3.3.3a 基隆港域 2014 冬, 夏及整年 T 站每日潮位統計量比較圖



# Tidal Level Statistics of KLT0 at Years

■ : Winter    ■ : Summer    ■ : Year

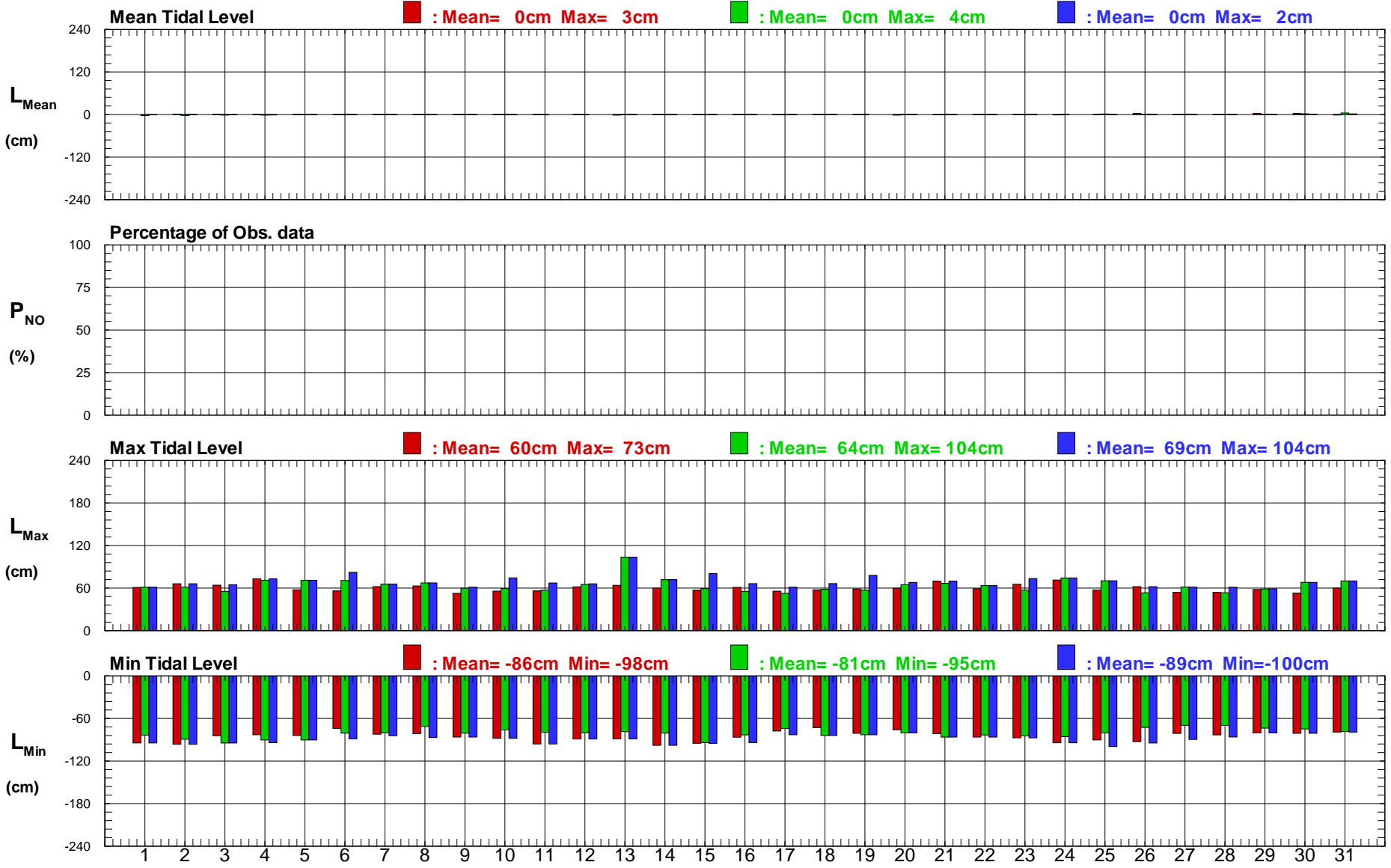


圖 3.3.3b 基隆港域歷年冬, 夏及整年 T 站每日潮位統計量比較圖

T440KLT0.TS3 T440KLT0.TS3 T440KLT0.TS3

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3-3-5

# Histogrammes of Tidal Level of KLT0

■: 2014

■: Years

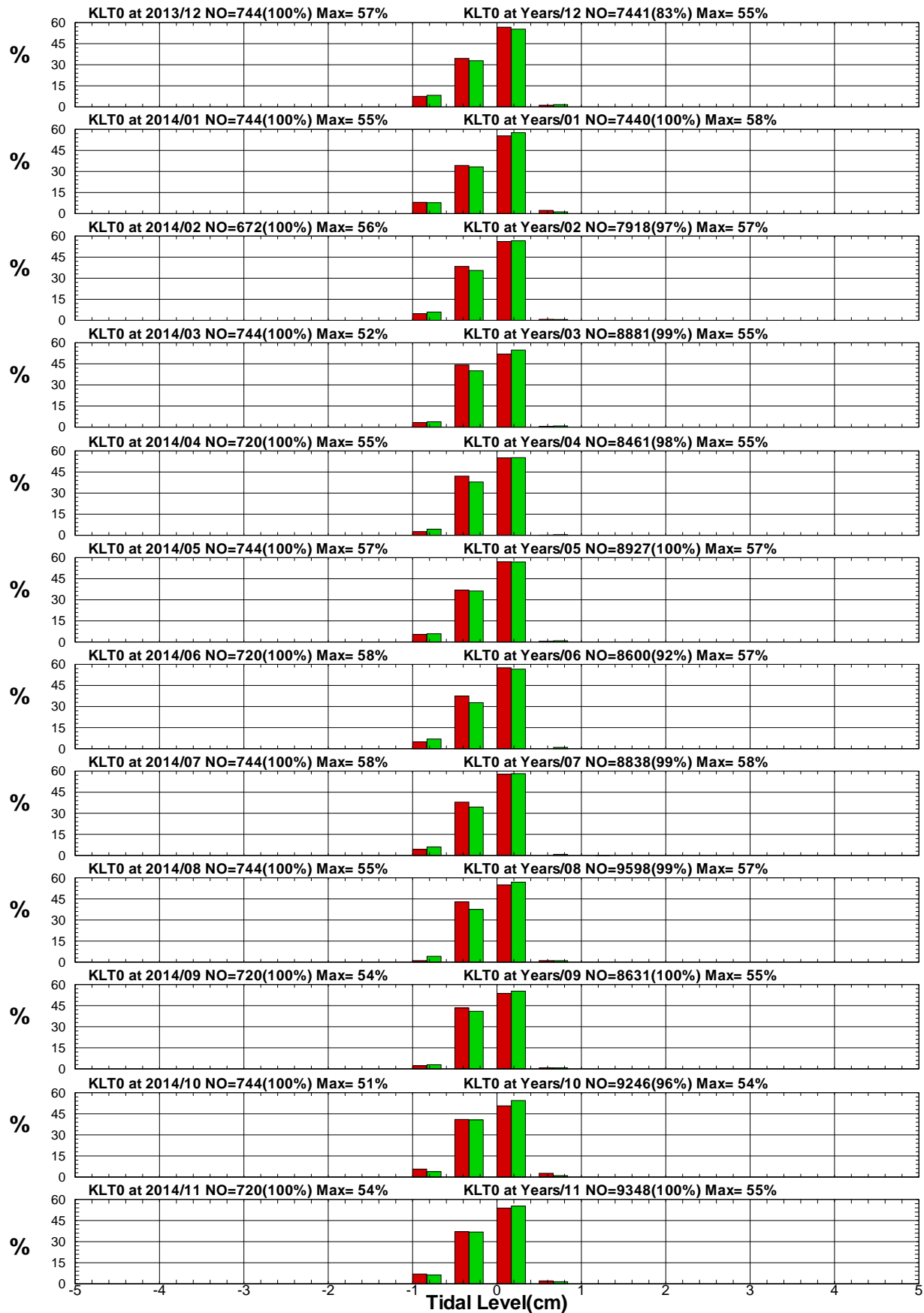


圖 3.3.4a 2014年及歷年基隆港域每月測站 T 潮位統計方塊圖

T13CKLT0.ILQ T141KLT0.ILQ T142KLT0.ILQ T143KLT0.ILQ T144KLT0.ILQ T145KLT0.ILQ  
T146KLT0.ILQ T147KLT0.ILQ T148KLT0.ILQ T149KLT0.ILQ T14AKLT0.ILQ T14BKLT0.ILQ

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# Histogrammes of Tidal Level of KLT0

■: 2014

■: Years

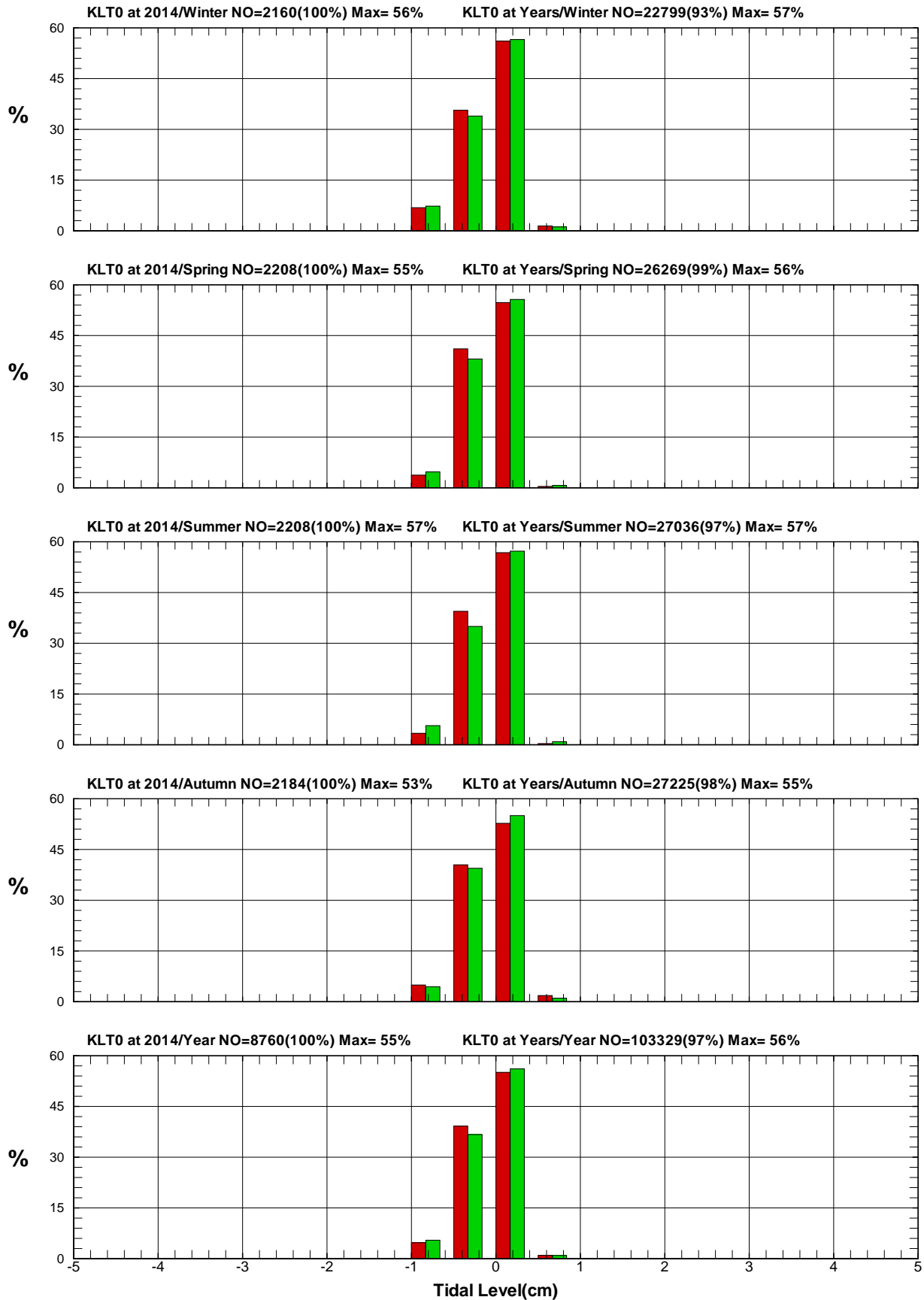


圖 3.3.4b 2014年及歷年基隆港域每季測站 T 潮位統計方塊圖

T14WKLT0.ILQ T14NKLTO.ILQ T14SKLT0.ILQ T14FKLT0.ILQ T14OKLT0.ILQ

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# Histograms of Tidal Range of KLTO █: 2014 █: Years

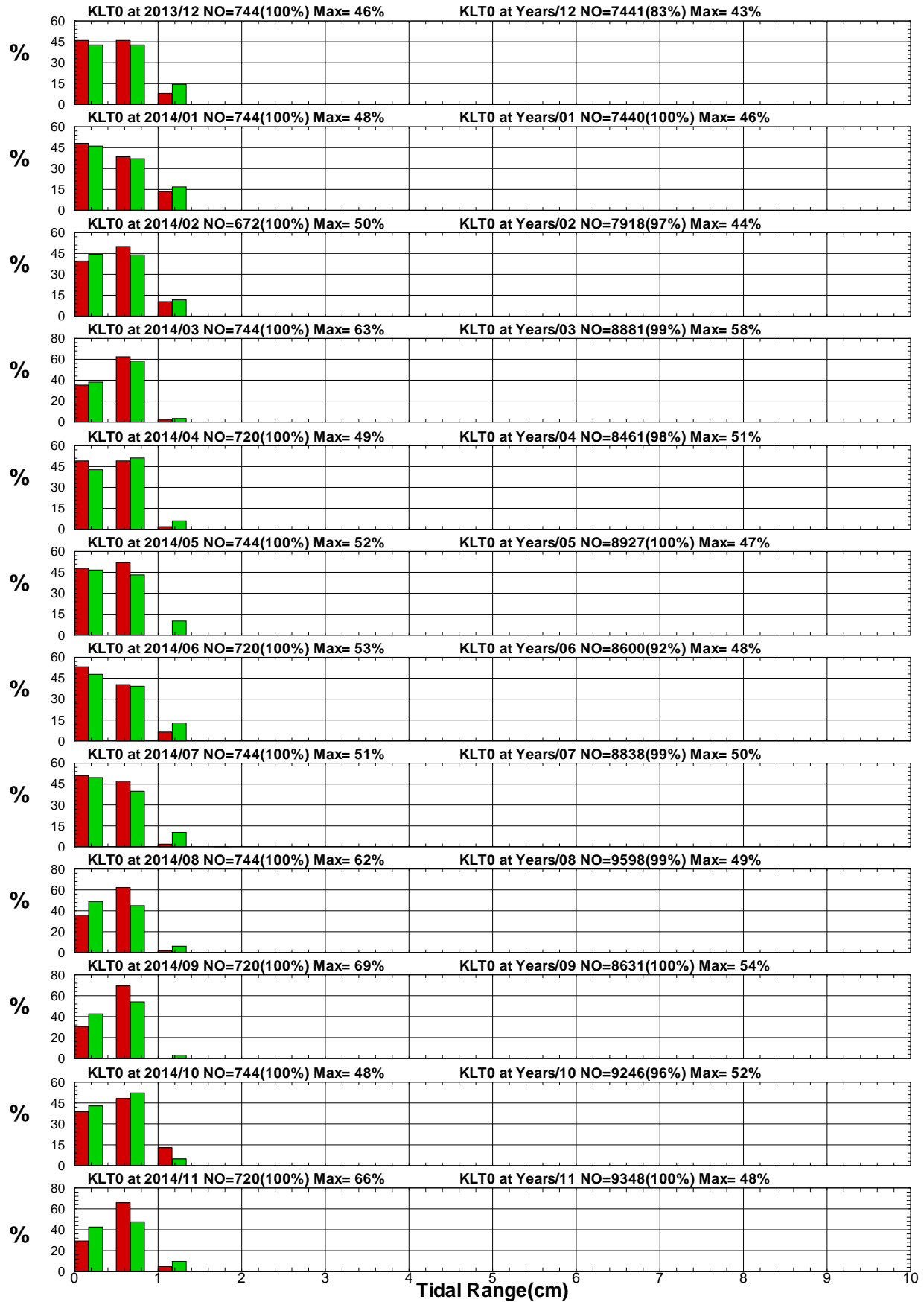


圖 3.3.4c 2014 年及歷年基隆港域每月測站 T 潮差統計方塊圖

T13CKLT0.IHQ T141KLT0.IHQ T142KLT0.IHQ T143KLT0.IHQ T144KLT0.IHQ T145KLT0.IHQ  
 T146KLT0.IHQ T147KLT0.IHQ T148KLT0.IHQ T149KLT0.IHQ T14AKLT0.IHQ T14BKLT0.IHQ

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# Histogrammes of Tidal Range of KLT0 █: 2014 █: Years

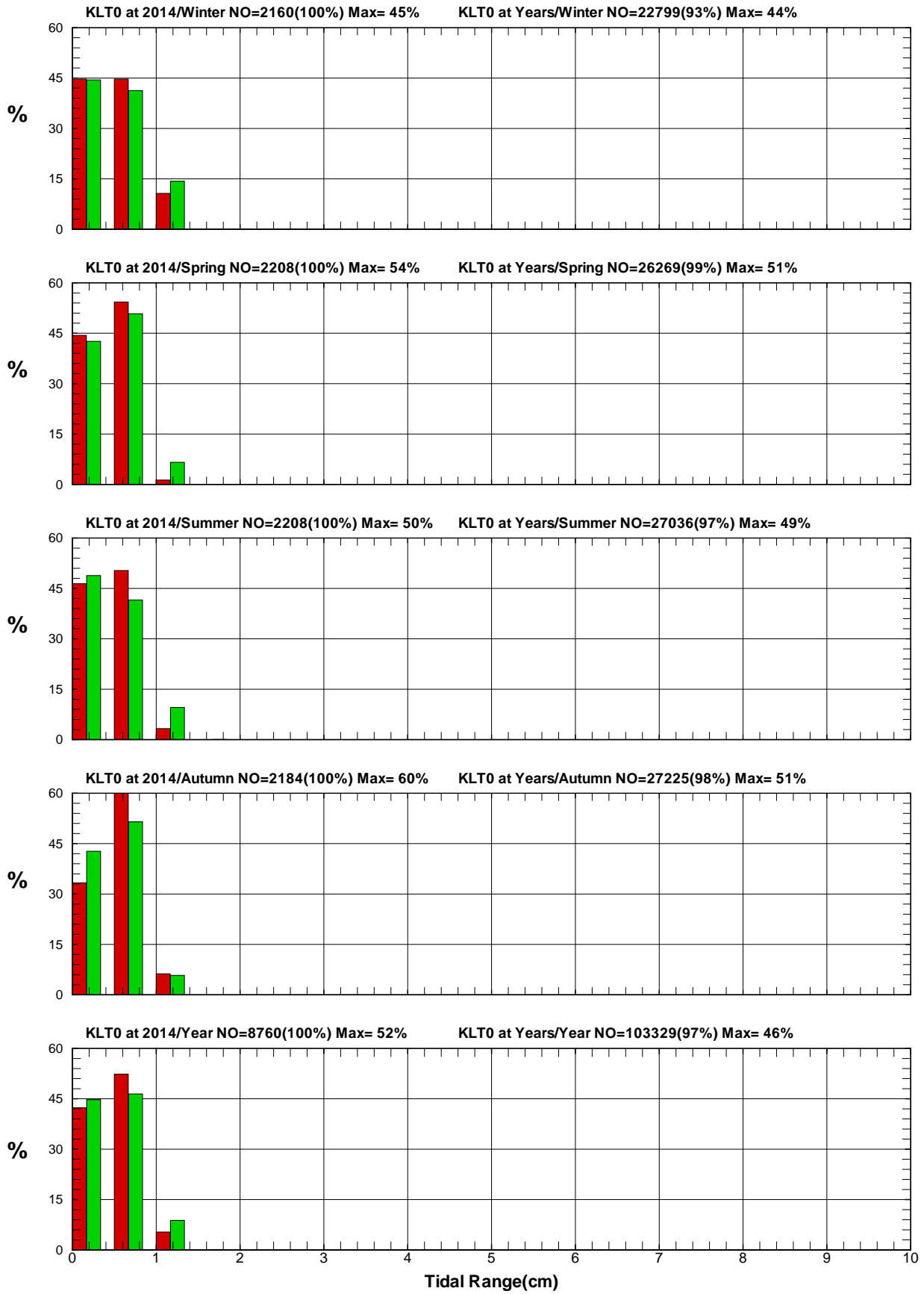


圖 3.3.4d 2014年及歷年基隆港域每季測站 T 潮差統計方塊圖

T14WKLT0.IHQ T14NKLTO.IHQ T14SKLT0.IHQ T14FKLT0.IHQ T14OKLT0.IHQ

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# Histograms of Tidal Period of KLTO █: 2014 █: Years

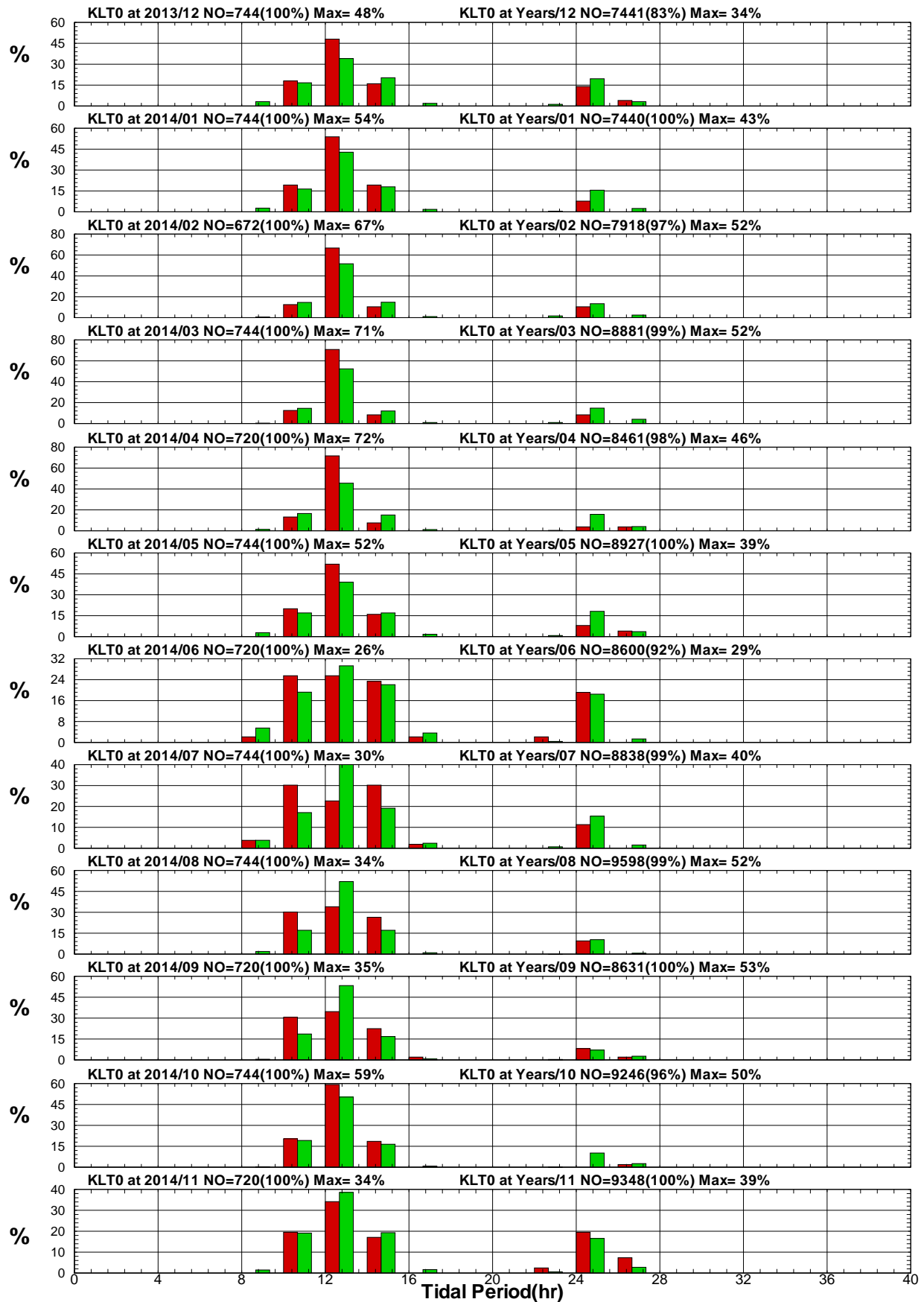


圖 3.3.4e 2014 年及歷年基隆港域每月測站 T 週期統計方塊圖

T13CKLT0.ITQ T141KLT0.ITQ T142KLT0.ITQ T143KLT0.ITQ T144KLT0.ITQ T145KLT0.ITQ  
T146KLT0.ITQ T147KLT0.ITQ T148KLT0.ITQ T149KLT0.ITQ T14AKLT0.ITQ T14BKLT0.ITQ

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# Histograms of Tidal Period of KLTO █: 2014 █: Years

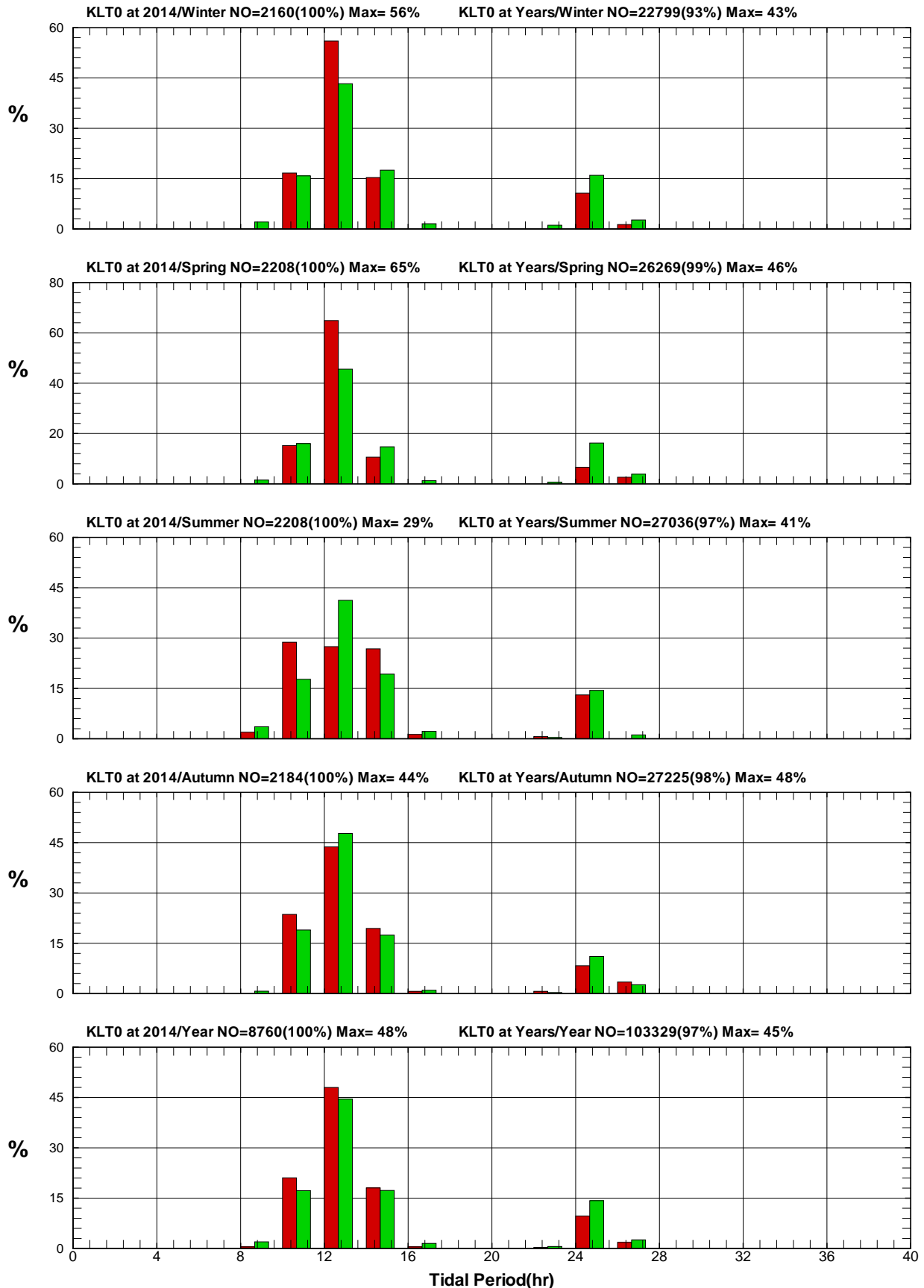


圖 3.3.4f 2014 年及歷年基隆港域每季測站 T 週期統計方塊圖

T14WKLT0.ITQ T14NKLTO.ITQ T14SKLT0.ITQ T14FKLT0.ITQ T140KLT0.ITQ

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## 第四章 2014 年基隆港域觀測海流資料統計圖表

### 4.1 基隆港域海流觀測位置及資料蒐集處理分析

基隆港域海流之觀測，本中心於 2001 年 6 月中旬安置挪威 NORTEK 公司之剖面海流表面波浪與潮汐之監測系統(簡稱 AWCP)，安裝在基隆港東防波堤堤頭外水深 44 公尺處(測站 X0)，如附圖 4.1.1，2006 年 8 月因防波堤延伸工程，移至西防波堤堤外水深 36 公尺位置(測站 X1)。2011 年 8 月，安裝在東防波堤堤頭北方約 200 公尺，水深 48 公尺(測站 X2)，北端海域歷年觀測海流資料蒐集概況如表 4.1.1。

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，基隆港觀測站水深間距設定為 2 公尺；每小時連續量測 600 秒，再將總和平均代表其數樣每一間距層之海流流速、流向等資料，記錄在感應器內，並每隔 1 小時經由海底電纜傳訊回接收站之電腦中儲存。

表 4.1.1 北端海域觀測海流資料蒐集概況表(統計時間至 2014 年 11 月)

| 測站 | 緯度         | 經度          | 觀測期間                 | 觀測單位 | 備註      |
|----|------------|-------------|----------------------|------|---------|
| X0 | 25°09'50"N | 121°45'14"E | 2001/06-2006/05      | 港研中心 | 基隆港東堤外海 |
| X1 | 25°44'58"N | 121°44'58"E | 2006/08-2011/07      | 港研中心 | 基隆港西堤外海 |
| X2 | 25°09'57"N | 121°45'17"E | 2011/08-2014/11(觀測中) | 港研中心 | 基隆港東堤外海 |

本年報以取經檢核後之 X 站資料(稱主要測站)作為海流統計分析，2014 年及歷年每月觀測之流資料記錄期間統計表，如表 4.1.2。

2014 年整年期間為 2013/12/01~2014/11/30，2014 年冬季期間為 2013/12/01~2014/02/29，2014 年春季期間為 2014/03/01~2014/05/30，2014 年夏季期間為 2014/06/01~2014/08/31，2014 年秋季定義期間為 2014/09/01~2014/11/30。

歷年定義期間為 2001/06/01~2014/11/30 計 14 年，歷年冬季期間定義歷年期間包括 12 月、1 月及 2 月等 3 個月份，歷年春季期間定義歷年期間包括 3 月、4 月及 5 月等 3 個月份，歷年夏季期間定義為歷年期間包括 6 月、7 月及 8 月等 3 個月份，歷年秋季期間定義為歷年期間包括 9 月、10 月及 11 月等 3 個月份。

**基隆港域海流資料統計表如本章第二節，包括：**

1. 主要測站海流重要物理量 2014 年及歷年分月、分季、分年之流速及流向重要物理量統計表。
2. 2014 颱風期間海流資料記錄統計表及重要物理量統計表。
3. 2014 及歷年分月、分季、分年之流速及流向分佈百分比統計表。
4. 2014 及歷年分月、分季、分年逐時流速平均值及最大值統計表。
5. 2014 及歷年分月、分季、分年每日流速平均值及最大值統計表。
6. 2014 年及歷年分月、分季、分年之流速( $m/sec$ )及流向(來向)聯合分佈百分比統計表

**基隆港域海流資料統計圖如本章第三節，包括：**

1. 主要測站海流重要物理量 2014 年及歷年分月、分季、分年之流速及流向重要物理量統計圖。
2. 2014 年及歷年分月季年之逐時流速平均值(最大值)統計圖。
3. 2014 年及歷年分月季年之每日流速平均值(最大值)統計圖。
4. 2014 年及歷年分月季年之流速及流向方塊圖。
5. 2014 年及歷年分月季年之海流玫瑰圖。

# 北端海域



圖 4.1.1 北端海域海流觀測站位置示意圖

表4.1.2 基隆港域海流主要測站2014年及歷年觀測資料紀錄統計

| 序號 | 測站 | 檔名           | 啓止時間<br>(年、月、日、時)             | 觀測<br>天數 | 觀測<br>筆數 | 缺失<br>筆數 | 實際<br>筆數 | 資料缺失日              |
|----|----|--------------|-------------------------------|----------|----------|----------|----------|--------------------|
| 1  | X  | C13CKLX0.1H0 | 2013/12.01.00:~2013/12.31.23: | 31       | 744      | 0        | 744      |                    |
| 2  | X  | C141KLX0.1H0 | 2014/01.01.00:~2014/01.31.23: | 31       | 744      | 0        | 744      |                    |
| 3  | X  | C142KLX0.1H0 | 2014/02.01.00:~2014/02.28.23: | 28       | 672      | 0        | 672      |                    |
| 4  | X  | C143KLX0.1H0 | 2014/03.01.00:~2014/03.31.23: | 31       | 744      | 0        | 744      |                    |
| 5  | X  | C144KLX0.1H0 | 2014/04.01.00:~2014/04.30.23: | 30       | 720      | 24       | 696      | 1 -2               |
| 6  | X  | C145KLX0.1H0 | 2014/05.01.00:~2014/05.31.23: | 31       | 744      | 35       | 709      | 11 -13 ,15 ,19 ,21 |
| 7  | X  | C146KLX0.1H0 | 2014/06.01.00:~2014/06.30.23: | 30       | 720      | 0        | 720      |                    |
| 8  | X  | C147KLX0.1H0 | 2014/07.01.00:~2014/07.31.23: | 31       | 744      | 0        | 744      |                    |
| 9  | X  | C148KLX0.1H0 | 2014/08.01.00:~2014/08.31.23: | 31       | 744      | 0        | 744      |                    |
| 10 | X  | C149KLX0.1H0 | 2014/09.01.00:~2014/09.30.23: | 30       | 720      | 0        | 720      |                    |
| 11 | X  | C14AKLX0.1H0 | 2014/10.01.00:~2014/10.31.23: | 31       | 744      | 0        | 744      |                    |
| 12 | X  | C14BKLX0.1H0 | 2014/11.01.00:~2014/11.30.23: | 30       | 720      | 156      | 564      | 19 -25             |
| 13 | X  | C14WKLX0.1HV | 2013/12.01.00:~2014/02.28.23: | 90       | 2160     | 0        | 2160     |                    |
| 14 | X  | C14NKLX0.1HV | 2014/03.01.00:~2014/05.31.23: | 92       | 2208     | 59       | 2149     |                    |
| 15 | X  | C14SKLX0.1HV | 2014/06.01.00:~2014/08.31.23: | 92       | 2208     | 0        | 2208     |                    |
| 16 | X  | C14FKLX0.1HV | 2014/09.01.00:~2014/11.30.23: | 91       | 2184     | 156      | 2028     |                    |
| 17 | X  | C140KLX0.1HV | 2013/12.01.00:~2014/11.30.23: | 365      | 8760     | 215      | 8545     |                    |
| 18 | X  | C44CKLX0.1HV | 2001/12.01.00:~2013/12.31.23: | 359      | 8590     | 585      | 8005     |                    |
| 19 | X  | C441KLX0.1HV | 2002/01.01.00:~2014/01.31.23: | 341      | 8178     | 208      | 7970     |                    |
| 20 | X  | C442KLX0.1HV | 2002/02.01.00:~2014/02.28.23: | 302      | 7191     | 142      | 7049     |                    |
| 21 | X  | C443KLX0.1HV | 2002/03.01.00:~2014/03.31.23: | 342      | 8182     | 69       | 8113     |                    |
| 22 | X  | C444KLX0.1HV | 2002/04.01.00:~2014/04.30.23: | 380      | 9106     | 265      | 8841     |                    |
| 23 | X  | C445KLX0.1HV | 2002/05.01.00:~2014/05.31.23: | 372      | 8912     | 268      | 8644     |                    |
| 24 | X  | C446KLX0.1HV | 2001/06.26.12:~2014/06.30.23: | 361      | 8630     | 367      | 8263     |                    |
| 25 | X  | C447KLX0.1HV | 2001/07.01.00:~2014/07.31.23: | 402      | 9593     | 504      | 9089     |                    |
| 26 | X  | C448KLX0.1HV | 2001/08.01.00:~2014/08.31.23: | 413      | 9859     | 331      | 9528     |                    |
| 27 | X  | C449KLX0.1HV | 2001/09.13.13:~2014/09.30.23: | 348      | 8330     | 103      | 8227     |                    |
| 28 | X  | C44AKLX0.1HV | 2001/10.01.00:~2014/10.31.23: | 421      | 10084    | 206      | 9878     |                    |
| 29 | X  | C44BKLX0.1HV | 2001/11.01.00:~2014/11.30.23: | 420      | 10080    | 337      | 9743     |                    |
| 30 | X  | C44WKLX0.1HV | 2001/12.01.00:~2014/02.28.23: | 1002     | 23959    | 935      | 23024    |                    |
| 31 | X  | C44NKLX0.1HV | 2002/03.01.00:~2014/05.31.23: | 1094     | 26200    | 602      | 25598    |                    |
| 32 | X  | C44SKLX0.1HV | 2001/06.26.12:~2014/08.31.23: | 1176     | 28082    | 1202     | 26880    |                    |
| 33 | X  | C44FKLX0.1HV | 2001/09.13.13:~2014/11.30.23: | 1189     | 28494    | 646      | 27848    |                    |
| 34 | X  | C440KLX0.1HV | 2001/06.26.12:~2014/11.30.23: | 4461     | 106735   | 3385     | 103350   |                    |

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## 4.2 基隆港域主要測站海流資料統計表



表 4.2.1a 2014 年基隆港域主要測站流速及流向重要統計量統計表

| 序號 | 觀測日期<br>(年/月) | 觀測點數<br>(NO) | 平均流速<br>(cm/s) | 最大流速<br>(流速/流向)<br>(cm/s)/(去向) | 平均流<br>(流速/流向)<br>(cm/s)/(去向) | 流速<br><25<br>(%) | 流速<br>25~50<br>(%) | 流速<br>50~100<br>(%) | 流速<br>>100<br>(%) | 流向<br>N ~E<br>(%) | 流向<br>E ~S<br>(%) | 流向<br>S ~W<br>(%) | 流向<br>W ~N<br>(%) |
|----|---------------|--------------|----------------|--------------------------------|-------------------------------|------------------|--------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1  | 2013/12       | 744(100%)    | 28.5           | 98.6 /ENE                      | 9.5 /ENE                      | 49.7             | 37.9               | 12.4                | .0                | 44.2              | 18.7              | 25.7              | 11.4              |
| 2  | 2014/01       | 744(100%)    | 24.0           | 99.0 /ENE                      | 5.6 /ENE                      | 60.1             | 32.5               | 7.4                 | .0                | 38.0              | 20.6              | 25.7              | 15.7              |
| 3  | 2014/02       | 672(100%)    | 25.5           | 96.9 /ENE                      | 8.1 /ENE                      | 58.0             | 32.7               | 9.2                 | .0                | 42.6              | 18.2              | 22.0              | 17.3              |
| 4  | 2014/03       | 744(100%)    | 22.2           | 114.0 /ENE                     | 5.6 /ENE                      | 65.5             | 27.6               | 6.3                 | .7                | 37.0              | 21.8              | 23.4              | 17.9              |
| 5  | 2014/04       | 696( 97%)    | 25.6           | 103.8 /ENE                     | 6.1 / E                       | 54.3             | 38.2               | 7.2                 | .3                | 35.2              | 23.7              | 27.2              | 13.9              |
| 6  | 2014/05       | 709( 95%)    | 25.2           | 89.0 /ENE                      | 1.8 /ENE                      | 57.0             | 34.4               | 8.6                 | .0                | 36.5              | 19.3              | 28.8              | 15.4              |
| 7  | 2014/06       | 720(100%)    | 29.0           | 91.9 /ENE                      | 6.6 / E                       | 46.3             | 41.5               | 12.2                | .0                | 49.0              | 15.1              | 27.1              | 8.7               |
| 8  | 2014/07       | 744(100%)    | 27.8           | 94.2 /E                        | 2.8 / E                       | 50.1             | 38.7               | 11.2                | .0                | 39.0              | 21.2              | 26.3              | 13.4              |
| 9  | 2014/08       | 744(100%)    | 18.2           | 92.0 /ENE                      | 1.3 / SE                      | 77.8             | 18.0               | 4.2                 | .0                | 27.0              | 26.1              | 26.6              | 20.3              |
| 10 | 2014/09       | 720(100%)    | 19.4           | 95.0 /NE                       | 5.5 / SW                      | 75.0             | 21.7               | 3.3                 | .0                | 14.9              | 24.2              | 40.7              | 20.3              |
| 11 | 2014/10       | 744(100%)    | 28.8           | 94.7 /ENE                      | 4.5 /ESE                      | 50.0             | 37.2               | 12.8                | .0                | 29.8              | 21.2              | 36.2              | 12.8              |
| 12 | 2014/11       | 564( 78%)    | 30.9           | 91.9 /ENE                      | 6.3 /ESE                      | 44.0             | 40.8               | 15.2                | .0                | 34.9              | 22.9              | 33.7              | 8.5               |
| 13 | 2014/冬        | 2160(100%)   | 26.0           | 99.0 /ENE                      | 7.7 /ENE                      | 55.9             | 34.4               | 9.7                 | .0                | 41.6              | 19.2              | 24.5              | 14.7              |
| 14 | 2014/春        | 2149( 97%)   | 24.3           | 114.0 /ENE                     | 4.4 / E                       | 59.1             | 33.3               | 7.4                 | .3                | 36.2              | 21.6              | 26.4              | 15.8              |
| 15 | 2014/夏        | 2208(100%)   | 24.9           | 94.2 /E                        | 3.3 / E                       | 58.2             | 32.7               | 9.1                 | .0                | 38.2              | 20.9              | 26.7              | 14.2              |
| 16 | 2014/秋        | 2028( 93%)   | 26.1           | 95.0 /NE                       | 3.3 /SSE                      | 57.2             | 32.7               | 10.1                | .0                | 25.9              | 22.7              | 37.1              | 14.3              |
| 17 | 2014/年        | 8545( 98%)   | 25.3           | 114.0 /ENE                     | 4.2 / E                       | 57.6             | 33.3               | 9.1                 | .1                | 35.7              | 21.1              | 28.5              | 14.7              |

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表 4.2.1b 歷年基隆港域主要測站流速及流向重要統計量統計表

| 序號 | 觀測日期<br>(年/月) | 觀測點數<br>(NO) | 平均流速<br>(cm/s) | 最大流速<br>(流速/流向)<br>(cm/s)/(去向) | 平均流<br>(流速/流向)<br>(cm/s)/(去向) | 流速<br><25<br>(%) | 流速<br>25~50<br>(%) | 流速<br>50~100<br>(%) | 流速<br>>100<br>(%) | 流向<br>N ~E<br>(%) | 流向<br>E ~S<br>(%) | 流向<br>S ~W<br>(%) | 流向<br>W ~N<br>(%) |
|----|---------------|--------------|----------------|--------------------------------|-------------------------------|------------------|--------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1  | 歷年/01         | 7970( 97%)   | 27.8           | 119.2 /W                       | 7.5 /ENE                      | 52.1             | 35.8               | 11.9                | .1                | 37.2              | 22.6              | 24.1              | 16.1              |
| 2  | 歷年/02         | 7049( 87%)   | 26.3           | 99.5 /E                        | 6.9 /ENE                      | 54.4             | 35.9               | 9.6                 | .0                | 37.6              | 20.5              | 24.1              | 17.7              |
| 3  | 歷年/03         | 8113( 91%)   | 26.9           | 127.3 /ENE                     | 8.4 /ENE                      | 52.1             | 38.2               | 9.4                 | .2                | 40.9              | 19.4              | 22.7              | 16.9              |
| 4  | 歷年/04         | 8841( 95%)   | 26.9           | 103.8 /ENE                     | 7.2 /ENE                      | 50.8             | 39.9               | 9.1                 | .0                | 42.1              | 18.0              | 24.0              | 15.8              |
| 5  | 歷年/05         | 8644( 89%)   | 26.6           | 111.5 /ENE                     | 5.2 /ENE                      | 52.1             | 39.6               | 8.2                 | .0                | 40.3              | 19.2              | 26.8              | 13.6              |
| 6  | 歷年/06         | 8263( 88%)   | 26.2           | 198.1 /E                       | 4.8 /ENE                      | 54.7             | 36.3               | 8.7                 | .2                | 39.2              | 20.1              | 24.5              | 16.1              |
| 7  | 歷年/07         | 9089( 94%)   | 25.8           | 206.6 /E                       | 2.9 / NE                      | 58.4             | 31.3               | 9.9                 | .4                | 36.0              | 21.0              | 24.7              | 18.2              |
| 8  | 歷年/08         | 9528( 92%)   | 25.9           | 118.2 /E                       | 2.7 /ENE                      | 57.0             | 32.4               | 10.5                | .0                | 35.4              | 21.9              | 26.0              | 16.6              |
| 9  | 歷年/09         | 8227( 95%)   | 25.7           | 197.3 /S                       | 2.8 /ENE                      | 58.4             | 31.6               | 9.5                 | .4                | 36.9              | 18.5              | 29.2              | 15.3              |
| 10 | 歷年/10         | 9878( 95%)   | 26.2           | 101.8 /ENE                     | 4.9 /ENE                      | 55.1             | 34.7               | 10.0                | .0                | 36.0              | 20.6              | 28.4              | 14.8              |
| 11 | 歷年/11         | 9743( 97%)   | 25.1           | 105.0 /ENE                     | 5.9 /ENE                      | 57.1             | 34.7               | 8.0                 | .0                | 36.2              | 19.1              | 26.0              | 18.6              |
| 12 | 歷年/12         | 8004( 90%)   | 23.1           | 102.1 /ENE                     | 7.6 / E                       | 62.5             | 31.4               | 5.9                 | .0                | 36.5              | 22.9              | 26.1              | 14.5              |
| 13 | 歷年/冬          | 23023( 91%)  | 25.7           | 119.2 /W                       | 7.3 /ENE                      | 56.4             | 34.3               | 9.1                 | .0                | 37.1              | 22.1              | 24.8              | 16.0              |
| 14 | 歷年/春          | 25598( 92%)  | 26.8           | 127.3 /ENE                     | 6.9 /ENE                      | 51.7             | 39.2               | 8.9                 | .1                | 41.1              | 18.9              | 24.5              | 15.4              |
| 15 | 歷年/夏          | 26880( 91%)  | 26.0           | 206.6 /E                       | 3.3 /ENE                      | 56.8             | 33.2               | 9.7                 | .2                | 36.8              | 21.0              | 25.1              | 17.0              |
| 16 | 歷年/秋          | 27848( 96%)  | 25.6           | 197.3 /S                       | 4.6 /ENE                      | 56.8             | 33.8               | 9.2                 | .1                | 36.3              | 19.5              | 27.8              | 16.3              |
| 17 | 歷年/年          | ***** ( 92%) | 26.0           | 206.6 /E                       | 5.4 /ENE                      | 55.4             | 35.1               | 9.2                 | .1                | 37.8              | 20.3              | 25.6              | 16.2              |

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表 4.2.2a 基隆港域 2014 年颱風期間海流資料紀錄統計表

| 序號 | 颱風名稱 | 港區名稱 | 年/月     | 啓止時間<br>(日.時:~日.時) | 觀測<br>天數 | 觀測<br>筆數 | 海流<br>筆數 |
|----|------|------|---------|--------------------|----------|----------|----------|
| 1  | 哈吉貝  | 基隆港域 | 2014/06 | 13.00:00~15.23:00  | 3        | 72       | 72       |
| 2  | 麥德姆  | 基隆港域 | 2014/07 | 21.00:00~23.23:00  | 3        | 72       | 72       |
| 3  | 鳳凰   | 基隆港域 | 2014/09 | 19.00:00~22.23:00  | 4        | 96       | 96       |

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表 4.2.2b 2014 年基隆港域颱風期間流速及流向重要統計量統計表

| 序號 | 颱風名稱 | 颱風期間<br>(月日~月日)<br>觀測點數 | 平均流速<br>(cm/s) | 最大流速<br>(流速/流向)<br>(cm/s)/(去向) | 平均流<br>(流速/流向)<br>(cm/s)/(去向) | 流速<br><25<br>(%) | 流速<br>25~50<br>(%) | 流速<br>50~100<br>(%) | 流速<br>>100<br>(%) | 流向<br>N ~E<br>(%) | 流向<br>E ~S<br>(%) | 流向<br>S ~W<br>(%) | 流向<br>W ~N<br>(%) |
|----|------|-------------------------|----------------|--------------------------------|-------------------------------|------------------|--------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1  | 哈吉貝  | 06/13-06/15<br>72(100%) | 27.2           | 68.3/NE                        | 4.1/ENE                       | 52.8             | 37.5               | 9.7                 | .0                | 43.1              | 16.7              | 25.0              | 15.3              |
| 2  | 麥德姆  | 07/21-07/23<br>72(100%) | 26.0           | 75.1/W                         | 4.2/ENE                       | 50.0             | 43.1               | 6.9                 | .0                | 33.3              | 22.2              | 25.0              | 19.4              |
| 3  | 鳳凰   | 09/19-09/22<br>96(100%) | 26.8           | 69.5/ENE                       | 1.3/SE                        | 52.1             | 41.7               | 6.2                 | .0                | 33.3              | 20.8              | 30.2              | 15.6              |

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表4.2.3a 2014年及歷年基隆港域主要測站流速分佈百分比 (%) 統計表

| 流速<br>(cm/s) | 0<br>~5 | 5<br>~10 | 10<br>~15 | 15<br>~20 | 20<br>~25 | 25<br>~30 | 30<br>~35 | 35<br>~40 | 40<br>~45 | 45<br>~50 | 50<br>~60 | 60<br>~80 | 80<br>~100 | 100<br>~120 | 120<br>~150 | 150<br>~600 | 合計<br>(%) |
|--------------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-------------|-------------|-------------|-----------|
| 年、月          |         |          |           |           |           |           |           |           |           |           |           |           |            |             |             |             |           |
| 2013/12      | 4.8     | 8.1      | 10.5      | 12.6      | 13.7      | 8.7       | 11.3      | 8.3       | 5.2       | 4.3       | 6.2       | 5.4       | .8         | .0          | .0          | .0          | 100.      |
| 2014/01      | 5.4     | 12.4     | 15.7      | 13.7      | 12.9      | 11.4      | 8.6       | 6.5       | 3.8       | 2.3       | 4.0       | 2.7       | .7         | .0          | .0          | .0          | 100.      |
| 2014/02      | 5.4     | 13.4     | 11.8      | 12.5      | 15.0      | 9.2       | 8.2       | 7.1       | 4.3       | 3.9       | 4.6       | 3.6       | 1.0        | .0          | .0          | .0          | 100.      |
| 2014/03      | 10.6    | 14.5     | 17.3      | 13.4      | 9.5       | 9.5       | 7.5       | 3.9       | 4.2       | 2.4       | 3.2       | 2.3       | .8         | .7          | .0          | .0          | 100.      |
| 2014/04      | 3.9     | 11.2     | 12.9      | 14.5      | 11.8      | 12.4      | 10.5      | 7.2       | 4.0       | 4.2       | 4.0       | 2.3       | .9         | .3          | .0          | .0          | 100.      |
| 2014/05      | 3.8     | 10.9     | 14.2      | 16.4      | 11.7      | 9.2       | 9.9       | 8.3       | 4.4       | 2.7       | 6.1       | 2.4       | .1         | .0          | .0          | .0          | 100.      |
| 2014/06      | 3.6     | 7.1      | 9.3       | 14.0      | 12.2      | 10.3      | 11.2      | 7.8       | 6.5       | 5.7       | 7.1       | 5.0       | .1         | .0          | .0          | .0          | 100.      |
| 2014/07      | 3.8     | 10.8     | 12.4      | 10.5      | 12.8      | 10.2      | 8.6       | 7.8       | 7.5       | 4.6       | 6.9       | 4.0       | .3         | .0          | .0          | .0          | 100.      |
| 2014/08      | 9.4     | 21.0     | 20.7      | 16.5      | 10.2      | 7.0       | 4.3       | 3.0       | 2.7       | 1.1       | 2.3       | 1.6       | .3         | .0          | .0          | .0          | 100.      |
| 2014/09      | 4.6     | 18.2     | 24.7      | 15.7      | 11.8      | 8.1       | 4.3       | 4.2       | 3.5       | 1.7       | 2.2       | 1.0       | .1         | .0          | .0          | .0          | 100.      |
| 2014/10      | 2.6     | 8.7      | 14.5      | 12.9      | 11.3      | 9.5       | 9.0       | 6.9       | 6.5       | 5.4       | 5.6       | 5.5       | 1.6        | .0          | .0          | .0          | 100.      |
| 2014/11      | 2.1     | 7.1      | 12.8      | 12.9      | 9.0       | 10.5      | 8.0       | 7.3       | 8.0       | 7.1       | 8.0       | 5.9       | 1.4        | .0          | .0          | .0          | 100.      |
| 2014/冬       | 5.2     | 11.2     | 12.7      | 13.0      | 13.8      | 9.8       | 9.4       | 7.3       | 4.4       | 3.5       | 5.0       | 3.9       | .8         | .0          | .0          | .0          | 100.      |
| 2014/春       | 6.2     | 12.2     | 14.9      | 14.8      | 11.0      | 10.3      | 9.3       | 6.4       | 4.2       | 3.1       | 4.4       | 2.3       | .6         | .3          | .0          | .0          | 100.      |
| 2014/夏       | 5.6     | 13.0     | 14.2      | 13.7      | 11.7      | 9.1       | 8.0       | 6.2       | 5.6       | 3.8       | 5.4       | 3.5       | .2         | .0          | .0          | .0          | 100.      |
| 2014/秋       | 3.2     | 11.6     | 17.7      | 13.9      | 10.8      | 9.3       | 7.1       | 6.0       | 5.8       | 4.5       | 5.1       | 4.0       | 1.0        | .0          | .0          | .0          | 100.      |
| 2014/年       | 5.1     | 12.0     | 14.8      | 13.8      | 11.9      | 9.6       | 8.4       | 6.5       | 5.0       | 3.7       | 5.0       | 3.4       | .7         | .1          | .0          | .0          | 100.      |
| 歷年/12        | 4.5     | 14.6     | 16.8      | 14.3      | 12.3      | 9.9       | 8.4       | 5.9       | 4.2       | 2.9       | 3.2       | 2.4       | .3         | .0          | .0          | .0          | 100.      |
| 歷年/01        | 1.8     | 11.6     | 14.1      | 12.6      | 12.0      | 9.7       | 9.0       | 7.4       | 5.1       | 4.5       | 6.0       | 5.1       | .8         | .1          | .0          | .0          | 100.      |
| 歷年/02        | 2.8     | 11.8     | 15.6      | 12.8      | 11.3      | 10.1      | 9.2       | 7.1       | 5.3       | 4.3       | 5.5       | 3.6       | .5         | .0          | .0          | .0          | 100.      |
| 歷年/03        | 3.0     | 10.7     | 13.7      | 12.9      | 11.8      | 11.6      | 9.4       | 7.4       | 5.6       | 4.2       | 4.9       | 3.8       | .8         | .1          | .0          | .0          | 100.      |
| 歷年/04        | 3.5     | 10.2     | 12.7      | 12.3      | 12.2      | 11.7      | 9.7       | 8.2       | 6.0       | 4.3       | 5.4       | 3.3       | .4         | .0          | .0          | .0          | 100.      |
| 歷年/05        | 3.0     | 9.9      | 12.8      | 13.7      | 12.8      | 10.8      | 10.4      | 7.7       | 6.4       | 4.4       | 5.1       | 2.8       | .2         | .0          | .0          | .0          | 100.      |
| 歷年/06        | 3.7     | 9.8      | 14.3      | 14.2      | 12.8      | 11.0      | 9.1       | 7.0       | 5.2       | 4.1       | 5.0       | 3.3       | .4         | .1          | .1          | .0          | 100.      |
| 歷年/07        | 3.7     | 12.8     | 15.4      | 14.2      | 12.3      | 10.0      | 7.1       | 5.9       | 4.9       | 3.4       | 5.2       | 3.9       | .8         | .1          | .1          | .1          | 100.      |
| 歷年/08        | 3.8     | 13.4     | 14.7      | 13.3      | 11.6      | 9.2       | 7.8       | 6.2       | 5.0       | 4.2       | 5.6       | 4.4       | .5         | .0          | .0          | .0          | 100.      |
| 歷年/09        | 3.7     | 13.8     | 15.5      | 13.3      | 12.1      | 9.5       | 7.3       | 5.7       | 5.1       | 4.0       | 5.2       | 3.7       | .6         | .2          | .1          | .1          | 100.      |
| 歷年/10        | 3.2     | 13.2     | 14.8      | 12.7      | 11.2      | 9.6       | 8.7       | 6.9       | 5.5       | 4.1       | 5.3       | 4.1       | .6         | .0          | .0          | .0          | 100.      |
| 歷年/11        | 3.8     | 13.1     | 15.5      | 13.2      | 11.5      | 10.2      | 8.3       | 7.1       | 5.1       | 4.0       | 4.6       | 2.8       | .5         | .0          | .0          | .0          | 100.      |
| 歷年/冬         | 3.0     | 12.7     | 15.5      | 13.2      | 11.9      | 9.9       | 8.8       | 6.8       | 4.9       | 3.9       | 4.9       | 3.7       | .6         | .0          | .0          | .0          | 100.      |
| 歷年/春         | 3.2     | 10.3     | 13.1      | 12.9      | 12.3      | 11.4      | 9.9       | 7.8       | 6.0       | 4.3       | 5.1       | 3.3       | .5         | .1          | .0          | .0          | 100.      |
| 歷年/夏         | 3.7     | 12.1     | 14.8      | 13.9      | 12.2      | 10.0      | 7.9       | 6.3       | 5.0       | 3.9       | 5.3       | 3.9       | .6         | .1          | .1          | .0          | 100.      |
| 歷年/秋         | 3.5     | 13.3     | 15.3      | 13.1      | 11.6      | 9.8       | 8.2       | 6.6       | 5.2       | 4.0       | 5.0       | 3.5       | .6         | .1          | .0          | .0          | 100.      |
| 歷年/年         | 3.4     | 12.1     | 14.7      | 13.3      | 12.0      | 10.3      | 8.7       | 6.9       | 5.3       | 4.0       | 5.1       | 3.6       | .6         | .1          | .0          | .0          | 100.      |

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表4.2.3b 2014年及歷年基隆港域主要測站流向分佈百分比 (%) 統計表

| 流向<br>年、月 | N   | NNE | NE  | ENE  | E    | ESE | SE  | SSE | S    | SSW  | SW   | WSW  | W    | WNW | NW  | NNW | 合計<br>(%) |
|-----------|-----|-----|-----|------|------|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-----------|
| 2013/12   | .8  | 2.3 | 8.6 | 25.1 | 13.6 | 5.1 | 3.6 | 3.4 | 1.7  | 3.5  | 6.7  | 8.7  | 9.4  | 4.8 | 1.7 | .8  | 100.      |
| 2014/01   | 3.0 | 4.3 | 7.1 | 19.0 | 11.2 | 5.9 | 5.0 | 3.6 | 3.4  | 3.6  | 5.4  | 8.7  | 10.5 | 5.1 | 3.1 | 1.2 | 100.      |
| 2014/02   | 1.8 | 2.7 | 9.8 | 23.4 | 10.3 | 5.5 | 3.9 | 3.1 | 3.7  | 2.5  | 3.3  | 6.8  | 14.7 | 5.5 | 1.8 | 1.2 | 100.      |
| 2014/03   | 3.6 | 3.4 | 8.3 | 17.1 | 10.3 | 6.7 | 3.8 | 4.3 | 4.2  | 3.8  | 4.6  | 7.7  | 10.5 | 5.2 | 2.7 | 3.9 | 100.      |
| 2014/04   | 1.7 | 1.6 | 6.2 | 17.5 | 12.9 | 8.6 | 4.5 | 3.7 | 6.3  | 5.5  | 6.8  | 7.5  | 10.1 | 3.6 | 2.7 | .9  | 100.      |
| 2014/05   | 2.0 | 4.2 | 8.2 | 17.3 | 10.4 | 7.3 | 3.8 | 2.7 | 2.7  | 4.2  | 6.1  | 11.6 | 10.9 | 4.5 | 3.1 | 1.0 | 100.      |
| 2014/06   | .4  | 1.3 | 8.1 | 28.6 | 15.4 | 4.9 | 2.9 | 2.4 | 1.8  | 3.3  | 4.9  | 9.3  | 12.2 | 3.5 | 1.0 | .1  | 100.      |
| 2014/07   | 1.5 | 1.7 | 9.4 | 19.2 | 13.4 | 7.5 | 3.6 | 3.0 | 2.6  | 2.7  | 4.6  | 11.0 | 12.5 | 4.8 | 1.3 | 1.1 | 100.      |
| 2014/08   | 2.8 | 2.7 | 4.4 | 13.3 | 10.3 | 7.8 | 3.8 | 6.6 | 5.6  | 7.1  | 6.6  | 6.7  | 7.3  | 7.0 | 5.6 | 2.3 | 100.      |
| 2014/09   | 1.3 | 2.2 | 4.7 | 5.1  | 4.3  | 5.4 | 5.0 | 6.9 | 10.4 | 10.0 | 11.5 | 9.9  | 10.7 | 6.5 | 3.2 | 2.8 | 100.      |
| 2014/10   | .7  | 1.5 | 4.8 | 16.1 | 10.3 | 4.8 | 5.6 | 5.8 | 5.1  | 5.8  | 7.8  | 11.6 | 12.9 | 4.2 | 1.7 | 1.2 | 100.      |
| 2014/11   | 1.6 | .9  | 3.9 | 21.1 | 13.3 | 6.4 | 4.8 | 4.4 | 4.8  | 4.4  | 8.7  | 11.3 | 10.3 | 2.3 | 1.2 | .5  | 100.      |
| 2014/冬    | 1.9 | 3.1 | 8.5 | 22.5 | 11.7 | 5.5 | 4.2 | 3.4 | 2.9  | 3.2  | 5.2  | 8.1  | 11.4 | 5.1 | 2.2 | 1.1 | 100.      |
| 2014/春    | 2.5 | 3.1 | 7.6 | 17.3 | 11.2 | 7.5 | 4.0 | 3.6 | 4.4  | 4.5  | 5.8  | 8.9  | 10.5 | 4.5 | 2.8 | 2.0 | 100.      |
| 2014/夏    | 1.6 | 1.9 | 7.3 | 20.3 | 13.0 | 6.7 | 3.4 | 4.0 | 3.4  | 4.4  | 5.3  | 9.0  | 10.6 | 5.1 | 2.7 | 1.2 | 100.      |
| 2014/秋    | 1.1 | 1.6 | 4.5 | 13.6 | 9.0  | 5.5 | 5.2 | 5.8 | 6.9  | 6.9  | 9.4  | 10.9 | 11.4 | 4.5 | 2.1 | 1.6 | 100.      |
| 2014/年    | 1.8 | 2.4 | 7.0 | 18.5 | 11.3 | 6.3 | 4.2 | 4.2 | 4.3  | 4.7  | 6.4  | 9.2  | 11.0 | 4.8 | 2.5 | 1.4 | 100.      |
| 歷年/12     | 1.9 | 2.7 | 7.0 | 15.4 | 20.4 | 6.3 | 3.0 | 2.6 | 2.3  | 3.6  | 7.0  | 9.3  | 9.2  | 4.9 | 2.9 | 1.5 | 100.      |
| 歷年/01     | 2.6 | 3.7 | 8.7 | 14.3 | 16.5 | 6.9 | 4.1 | 2.9 | 2.9  | 3.4  | 5.5  | 8.6  | 10.3 | 5.3 | 2.5 | 1.8 | 100.      |
| 歷年/02     | 2.7 | 4.2 | 8.8 | 14.9 | 14.5 | 6.0 | 3.7 | 3.2 | 3.1  | 3.3  | 6.4  | 8.2  | 9.6  | 5.9 | 3.3 | 2.2 | 100.      |
| 歷年/03     | 2.6 | 4.3 | 9.3 | 16.6 | 15.7 | 5.5 | 3.1 | 3.3 | 2.7  | 2.9  | 6.2  | 7.7  | 9.1  | 5.8 | 3.0 | 2.2 | 100.      |
| 歷年/04     | 2.4 | 4.0 | 9.1 | 17.4 | 18.3 | 5.2 | 2.3 | 1.7 | 1.9  | 2.2  | 5.9  | 9.5  | 11.0 | 5.0 | 2.4 | 1.7 | 100.      |
| 歷年/05     | 1.7 | 3.6 | 8.5 | 16.9 | 18.2 | 6.4 | 2.3 | 1.7 | 1.9  | 2.8  | 6.3  | 10.6 | 11.2 | 4.4 | 2.1 | 1.3 | 100.      |
| 歷年/06     | 2.1 | 3.4 | 8.8 | 16.7 | 16.6 | 6.1 | 3.4 | 2.2 | 2.0  | 2.9  | 5.6  | 9.3  | 10.8 | 5.9 | 2.5 | 1.7 | 100.      |
| 歷年/07     | 3.7 | 4.9 | 8.4 | 13.1 | 14.5 | 6.7 | 3.4 | 2.6 | 2.7  | 2.6  | 5.0  | 9.5  | 10.8 | 5.9 | 3.3 | 2.8 | 100.      |
| 歷年/08     | 2.9 | 4.1 | 8.1 | 14.4 | 13.6 | 7.1 | 3.7 | 3.2 | 2.8  | 3.4  | 5.4  | 9.8  | 11.1 | 5.2 | 3.1 | 2.1 | 100.      |
| 歷年/09     | 2.6 | 3.8 | 8.9 | 15.5 | 12.9 | 5.5 | 3.4 | 2.4 | 3.4  | 3.7  | 6.7  | 10.9 | 10.9 | 4.5 | 2.6 | 2.3 | 100.      |
| 歷年/10     | 2.2 | 3.5 | 8.0 | 15.9 | 13.9 | 6.8 | 3.4 | 2.9 | 2.5  | 3.5  | 6.5  | 10.7 | 11.3 | 4.7 | 2.5 | 1.8 | 100.      |
| 歷年/11     | 2.7 | 3.6 | 7.4 | 15.1 | 16.2 | 5.7 | 2.9 | 2.2 | 2.2  | 2.9  | 6.0  | 10.5 | 10.3 | 5.9 | 3.6 | 2.8 | 100.      |
| 歷年/冬      | 2.4 | 3.5 | 8.1 | 14.9 | 17.2 | 6.4 | 3.6 | 2.9 | 2.8  | 3.4  | 6.3  | 8.7  | 9.7  | 5.4 | 2.9 | 1.8 | 100.      |
| 歷年/春      | 2.2 | 4.0 | 9.0 | 17.0 | 17.4 | 5.7 | 2.6 | 2.2 | 2.2  | 2.6  | 6.1  | 9.3  | 10.5 | 5.1 | 2.5 | 1.7 | 100.      |
| 歷年/夏      | 3.0 | 4.1 | 8.4 | 14.7 | 14.8 | 6.7 | 3.5 | 2.7 | 2.5  | 3.0  | 5.3  | 9.5  | 10.9 | 5.7 | 3.0 | 2.2 | 100.      |
| 歷年/秋      | 2.5 | 3.6 | 8.0 | 15.5 | 14.4 | 6.0 | 3.2 | 2.5 | 2.7  | 3.3  | 6.4  | 10.7 | 10.8 | 5.0 | 2.9 | 2.3 | 100.      |
| 歷年/年      | 2.5 | 3.8 | 8.4 | 15.5 | 15.9 | 6.2 | 3.2 | 2.6 | 2.5  | 3.1  | 6.0  | 9.6  | 10.5 | 5.3 | 2.8 | 2.0 | 100.      |

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表4.2.4a 2014年基隆港域主要測站逐時流速平均值統計表

| 時<br>年、月 | 0時   | 1時   | 2時   | 3時   | 4時   | 5時   | 6時   | 7時   | 8時   | 9時   | 10時  | 11時  | 12時  | 13時  | 14時  | 15時  | 16時  | 17時  | 18時  | 19時  | 20時  | 21時  | 22時  | 23時  |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2013/12  | 30.6 | 32.0 | 30.7 | 31.6 | 33.6 | 26.1 | 30.5 | 28.9 | 27.2 | 28.7 | 26.6 | 26.9 | 28.4 | 26.7 | 26.2 | 28.4 | 26.7 | 25.0 | 24.4 | 27.0 | 28.7 | 27.6 | 27.1 | 33.8 |
| 2014/01  | 23.1 | 27.9 | 24.5 | 25.4 | 26.8 | 26.0 | 24.4 | 21.9 | 23.1 | 26.3 | 22.6 | 24.9 | 25.6 | 27.5 | 29.2 | 24.3 | 22.7 | 23.9 | 21.0 | 19.1 | 20.2 | 19.7 | 23.6 | 23.0 |
| 2014/02  | 30.2 | 28.3 | 29.7 | 27.0 | 26.9 | 25.0 | 27.3 | 20.0 | 20.7 | 22.5 | 26.0 | 28.7 | 29.6 | 30.5 | 21.9 | 27.6 | 23.2 | 23.1 | 23.9 | 21.1 | 22.7 | 22.2 | 26.0 | 29.2 |
| 2014/03  | 28.4 | 31.3 | 24.5 | 24.2 | 20.9 | 22.6 | 22.0 | 16.2 | 16.2 | 20.4 | 24.0 | 25.2 | 25.7 | 27.7 | 23.8 | 23.1 | 19.0 | 20.2 | 17.2 | 15.7 | 20.2 | 18.5 | 21.4 | 24.0 |
| 2014/04  | 22.4 | 25.3 | 23.2 | 24.1 | 22.6 | 23.9 | 20.8 | 19.3 | 22.4 | 22.9 | 25.9 | 33.4 | 25.9 | 27.8 | 32.8 | 34.5 | 31.7 | 29.2 | 27.6 | 21.6 | 23.9 | 22.6 | 25.8 | 25.9 |
| 2014/05  | 24.4 | 21.6 | 22.8 | 23.2 | 22.8 | 23.3 | 21.8 | 21.1 | 22.5 | 20.4 | 21.0 | 23.6 | 28.2 | 31.8 | 31.7 | 31.5 | 33.6 | 32.8 | 29.0 | 26.6 | 22.6 | 23.4 | 22.5 | 22.3 |
| 2014/06  | 25.2 | 25.9 | 29.6 | 27.5 | 25.9 | 27.1 | 26.4 | 27.8 | 29.9 | 27.9 | 27.8 | 28.5 | 31.4 | 34.5 | 31.4 | 34.2 | 37.2 | 34.9 | 35.2 | 30.6 | 26.9 | 26.9 | 22.5 | 20.8 |
| 2014/07  | 25.3 | 24.6 | 29.2 | 26.5 | 28.0 | 29.2 | 29.9 | 26.3 | 27.9 | 28.8 | 30.7 | 30.1 | 26.0 | 27.2 | 32.6 | 30.5 | 32.9 | 32.8 | 30.5 | 27.9 | 25.8 | 21.7 | 21.4 | 20.5 |
| 2014/08  | 12.2 | 14.9 | 18.7 | 17.0 | 18.7 | 19.4 | 18.9 | 19.4 | 19.8 | 19.4 | 20.3 | 24.1 | 20.7 | 23.2 | 22.5 | 24.6 | 24.5 | 18.9 | 18.3 | 15.1 | 11.8 | 11.1 | 11.5 | 11.1 |
| 2014/09  | 14.6 | 17.1 | 17.8 | 19.1 | 26.0 | 26.2 | 24.0 | 18.7 | 15.6 | 18.8 | 22.3 | 21.2 | 21.0 | 20.2 | 21.4 | 22.5 | 22.3 | 19.4 | 17.3 | 17.6 | 17.1 | 14.5 | 14.9 | 16.7 |
| 2014/10  | 32.2 | 31.7 | 30.1 | 31.3 | 30.2 | 29.0 | 31.3 | 30.0 | 27.7 | 27.7 | 26.2 | 27.6 | 32.3 | 33.2 | 32.4 | 30.4 | 26.9 | 24.8 | 23.5 | 25.5 | 27.5 | 26.6 | 25.6 | 27.6 |
| 2014/11  | 34.3 | 33.8 | 37.5 | 34.6 | 36.1 | 31.8 | 33.0 | 29.7 | 30.1 | 27.6 | 29.2 | 31.5 | 27.3 | 34.9 | 32.8 | 33.4 | 28.9 | 30.7 | 30.0 | 26.8 | 26.2 | 26.2 | 26.2 | 28.7 |
| 2014/冬   | 27.9 | 29.4 | 28.3 | 28.0 | 29.1 | 25.7 | 27.4 | 23.7 | 23.8 | 25.9 | 25.0 | 26.8 | 27.8 | 28.2 | 25.9 | 26.7 | 24.2 | 24.0 | 23.1 | 22.5 | 23.9 | 23.2 | 25.5 | 28.6 |
| 2014/春   | 25.1 | 26.2 | 23.5 | 23.8 | 22.1 | 23.3 | 21.5 | 18.8 | 20.3 | 21.2 | 23.6 | 27.4 | 26.6 | 29.0 | 29.3 | 29.6 | 28.0 | 27.3 | 24.5 | 21.2 | 22.2 | 21.5 | 23.2 | 24.1 |
| 2014/夏   | 20.8 | 21.8 | 25.8 | 23.6 | 24.2 | 25.2 | 25.1 | 24.4 | 25.8 | 25.3 | 26.3 | 27.6 | 26.0 | 28.2 | 28.8 | 29.7 | 31.5 | 28.8 | 27.9 | 24.5 | 21.4 | 19.8 | 18.4 | 17.4 |
| 2014/秋   | 26.6 | 27.1 | 27.8 | 27.9 | 30.4 | 28.8 | 29.2 | 25.9 | 24.1 | 24.6 | 25.7 | 26.4 | 26.9 | 29.0 | 28.6 | 28.4 | 25.8 | 24.5 | 23.1 | 23.0 | 23.4 | 22.2 | 22.0 | 24.0 |
| 2014/年   | 25.1 | 26.1 | 26.3 | 25.8 | 26.4 | 25.7 | 25.8 | 23.2 | 23.5 | 24.3 | 25.2 | 27.0 | 26.8 | 28.6 | 28.1 | 28.6 | 27.4 | 26.2 | 24.7 | 22.8 | 22.7 | 21.6 | 22.3 | 23.5 |

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單位: cm/s

港灣技術研究中心

表4.2.4b 歷年基隆港域主要測站逐時流速平均值統計表

| 時<br>年、月 | 0時   | 1時   | 2時   | 3時   | 4時   | 5時   | 6時   | 7時   | 8時   | 9時   | 10時  | 11時  | 12時  | 13時  | 14時  | 15時  | 16時  | 17時  | 18時  | 19時  | 20時  | 21時  | 22時  | 23時  |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 歷年/12    | 23.8 | 22.8 | 22.3 | 21.4 | 21.7 | 20.0 | 21.6 | 22.7 | 23.5 | 25.1 | 25.9 | 25.5 | 25.7 | 24.0 | 22.6 | 23.2 | 22.9 | 21.4 | 21.2 | 22.8 | 22.8 | 23.3 | 24.0 | 25.0 |
| 歷年/01    | 30.1 | 28.8 | 26.6 | 26.3 | 26.7 | 26.5 | 25.5 | 26.1 | 26.9 | 28.6 | 30.4 | 32.1 | 32.5 | 31.2 | 29.3 | 27.2 | 26.9 | 25.5 | 25.6 | 25.1 | 24.9 | 27.0 | 28.5 | 29.6 |
| 歷年/02    | 29.6 | 27.1 | 26.4 | 25.4 | 24.3 | 23.1 | 23.8 | 24.0 | 25.9 | 28.0 | 29.3 | 30.9 | 30.0 | 27.4 | 25.7 | 25.3 | 23.8 | 23.3 | 23.4 | 23.4 | 24.2 | 26.7 | 28.7 | 30.5 |
| 歷年/03    | 30.6 | 28.2 | 27.2 | 25.9 | 24.2 | 24.6 | 24.3 | 25.5 | 26.4 | 28.9 | 29.9 | 31.1 | 29.8 | 27.7 | 25.2 | 25.3 | 23.6 | 24.3 | 24.2 | 23.8 | 26.1 | 28.5 | 30.2 | 30.9 |
| 歷年/04    | 27.1 | 26.1 | 26.2 | 25.6 | 25.4 | 25.1 | 24.2 | 23.9 | 26.4 | 27.7 | 28.9 | 29.7 | 27.0 | 25.0 | 26.4 | 26.8 | 27.9 | 27.0 | 25.8 | 26.1 | 28.5 | 29.4 | 30.8 | 29.0 |
| 歷年/05    | 25.8 | 25.5 | 25.4 | 26.3 | 25.1 | 24.1 | 24.0 | 24.4 | 25.5 | 25.2 | 26.3 | 26.9 | 27.3 | 26.8 | 28.7 | 28.9 | 29.3 | 28.9 | 28.6 | 28.3 | 27.0 | 27.0 | 26.4 | 26.2 |
| 歷年/06    | 23.4 | 23.7 | 23.9 | 23.4 | 23.3 | 24.5 | 24.7 | 24.7 | 27.2 | 26.2 | 27.3 | 27.5 | 27.6 | 29.1 | 29.6 | 29.9 | 30.8 | 30.8 | 29.3 | 27.7 | 26.4 | 24.2 | 22.8 | 22.0 |
| 歷年/07    | 22.4 | 22.3 | 23.1 | 25.6 | 26.3 | 25.8 | 26.1 | 24.8 | 25.5 | 27.3 | 25.7 | 26.6 | 25.7 | 26.4 | 28.2 | 29.9 | 29.1 | 29.6 | 28.7 | 26.4 | 25.3 | 23.9 | 21.9 | 22.1 |
| 歷年/08    | 22.2 | 22.0 | 22.6 | 26.2 | 27.5 | 27.8 | 26.5 | 26.9 | 26.4 | 27.3 | 27.6 | 26.8 | 26.3 | 25.5 | 27.2 | 29.7 | 30.4 | 28.1 | 27.4 | 25.2 | 25.2 | 23.0 | 21.2 | 21.2 |
| 歷年/09    | 23.9 | 23.1 | 23.3 | 24.0 | 25.8 | 28.1 | 27.6 | 25.8 | 26.9 | 27.5 | 27.8 | 27.6 | 25.3 | 24.0 | 24.8 | 26.5 | 28.0 | 27.3 | 27.0 | 25.5 | 26.3 | 23.5 | 23.5 | 23.4 |
| 歷年/10    | 26.1 | 26.2 | 25.2 | 27.3 | 27.8 | 26.9 | 26.5 | 25.8 | 25.1 | 27.7 | 26.8 | 27.1 | 27.1 | 26.9 | 26.1 | 26.2 | 26.5 | 25.4 | 24.6 | 23.6 | 25.4 | 25.2 | 26.0 | 27.0 |
| 歷年/11    | 26.3 | 24.8 | 25.7 | 25.8 | 25.4 | 24.6 | 24.5 | 25.3 | 26.2 | 26.9 | 27.2 | 26.4 | 25.1 | 24.4 | 24.4 | 23.3 | 22.8 | 23.2 | 23.1 | 23.6 | 24.6 | 25.6 | 25.9 | 26.4 |
| 歷年/冬     | 27.7 | 26.2 | 25.0 | 24.3 | 24.3 | 23.2 | 23.6 | 24.3 | 25.4 | 27.2 | 28.5 | 29.4 | 29.4 | 27.5 | 25.9 | 25.2 | 24.5 | 23.4 | 23.4 | 23.8 | 24.0 | 25.6 | 27.0 | 28.2 |
| 歷年/春     | 27.8 | 26.5 | 26.2 | 25.9 | 24.9 | 24.6 | 24.2 | 24.6 | 26.1 | 27.2 | 28.4 | 29.2 | 28.0 | 26.5 | 26.8 | 27.0 | 27.0 | 26.8 | 26.3 | 26.1 | 27.2 | 28.3 | 29.1 | 28.7 |
| 歷年/夏     | 22.6 | 22.6 | 23.2 | 25.1 | 25.8 | 26.1 | 25.8 | 25.5 | 26.3 | 27.0 | 26.8 | 27.0 | 26.5 | 26.9 | 28.3 | 29.9 | 30.1 | 29.4 | 28.4 | 26.4 | 25.6 | 23.7 | 21.9 | 21.7 |
| 歷年/秋     | 25.5 | 24.8 | 24.8 | 25.8 | 26.3 | 26.5 | 26.1 | 25.6 | 26.0 | 27.4 | 27.3 | 27.0 | 25.9 | 25.2 | 25.1 | 25.3 | 25.7 | 25.2 | 24.8 | 24.2 | 25.4 | 24.8 | 25.2 | 25.7 |
| 歷年/年     | 25.8 | 25.0 | 24.8 | 25.3 | 25.4 | 25.2 | 25.0 | 25.0 | 26.0 | 27.2 | 27.7 | 28.1 | 27.3 | 26.5 | 26.5 | 26.9 | 26.9 | 26.3 | 25.8 | 25.1 | 25.6 | 25.6 | 25.7 | 26.0 |

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單位: cm/s

港灣技術研究中心

表4.2.4c 2014年基隆港域主要測站逐時流速最大值統計表

| 時<br>年、月 | 0時    | 1時    | 2時   | 3時   | 4時   | 5時   | 6時   | 7時   | 8時   | 9時   | 10時  | 11時   | 12時   | 13時   | 14時  | 15時  | 16時  | 17時  | 18時  | 19時  | 20時  | 21時  | 22時  | 23時   |
|----------|-------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|
| 2013/12  | 98.6  | 69.4  | 78.3 | 64.6 | 73.9 | 52.1 | 67.1 | 74.5 | 66.6 | 71.8 | 60.3 | 84.5  | 85.6  | 85.0  | 66.3 | 69.7 | 62.0 | 63.7 | 64.3 | 64.2 | 66.0 | 69.6 | 64.4 | 80.4  |
| 2014/01  | 67.8  | 88.2  | 57.7 | 59.5 | 57.4 | 55.4 | 54.7 | 55.9 | 71.6 | 81.0 | 76.7 | 67.9  | 92.6  | 99.0  | 94.8 | 74.7 | 59.0 | 55.3 | 55.4 | 45.5 | 68.2 | 53.3 | 60.6 | 65.7  |
| 2014/02  | 85.6  | 80.2  | 78.3 | 71.6 | 60.7 | 49.2 | 63.4 | 50.9 | 52.4 | 54.5 | 66.7 | 86.1  | 96.9  | 90.0  | 63.2 | 76.0 | 52.9 | 50.5 | 54.2 | 51.0 | 48.7 | 54.2 | 59.1 | 77.7  |
| 2014/03  | 103.1 | 105.0 | 66.9 | 67.4 | 42.3 | 71.7 | 68.9 | 45.4 | 53.1 | 54.2 | 88.0 | 81.5  | 100.9 | 114.0 | 69.0 | 74.7 | 43.7 | 54.2 | 62.2 | 62.0 | 48.9 | 46.7 | 59.7 | 79.3  |
| 2014/04  | 67.0  | 57.6  | 73.7 | 46.9 | 62.5 | 58.4 | 45.9 | 43.2 | 48.0 | 70.1 | 80.0 | 103.0 | 64.3  | 59.7  | 84.8 | 64.9 | 66.9 | 59.4 | 55.3 | 51.6 | 64.6 | 72.1 | 78.7 | 103.8 |
| 2014/05  | 64.0  | 40.1  | 39.1 | 79.8 | 65.8 | 58.7 | 60.8 | 59.5 | 56.1 | 68.5 | 65.0 | 75.1  | 69.9  | 89.0  | 58.1 | 70.7 | 72.9 | 60.7 | 62.9 | 69.2 | 41.4 | 53.2 | 54.1 | 57.1  |
| 2014/06  | 67.4  | 48.0  | 61.2 | 61.8 | 51.9 | 54.2 | 58.6 | 61.2 | 59.7 | 70.1 | 91.9 | 68.3  | 72.2  | 67.4  | 52.1 | 60.2 | 68.3 | 64.6 | 70.7 | 60.2 | 67.6 | 76.9 | 60.1 | 58.5  |
| 2014/07  | 52.0  | 57.5  | 77.1 | 68.4 | 63.7 | 58.5 | 59.5 | 70.0 | 60.4 | 75.1 | 80.9 | 94.2  | 50.5  | 64.8  | 71.8 | 73.6 | 71.4 | 70.5 | 68.8 | 70.6 | 66.8 | 53.7 | 48.1 | 55.8  |
| 2014/08  | 29.5  | 35.9  | 64.1 | 54.5 | 50.8 | 47.9 | 44.4 | 60.9 | 78.9 | 84.5 | 70.9 | 92.0  | 61.6  | 58.0  | 66.3 | 75.6 | 63.1 | 50.6 | 54.3 | 44.4 | 33.1 | 36.4 | 33.9 | 42.5  |
| 2014/09  | 46.0  | 43.6  | 44.4 | 64.7 | 63.9 | 57.5 | 72.1 | 54.0 | 56.4 | 47.9 | 95.0 | 53.1  | 78.0  | 52.0  | 54.2 | 46.0 | 52.5 | 52.1 | 48.4 | 36.0 | 73.1 | 56.0 | 48.7 | 69.5  |
| 2014/10  | 84.2  | 82.4  | 72.5 | 67.6 | 83.1 | 61.5 | 57.5 | 64.3 | 65.1 | 90.1 | 81.3 | 93.9  | 94.7  | 80.1  | 80.0 | 69.9 | 62.5 | 50.5 | 61.0 | 60.2 | 81.8 | 73.2 | 79.1 | 86.7  |
| 2014/11  | 82.2  | 77.7  | 74.1 | 80.5 | 63.7 | 51.1 | 57.4 | 56.7 | 62.4 | 62.6 | 52.5 | 82.7  | 91.9  | 91.6  | 87.6 | 79.8 | 64.0 | 70.4 | 68.5 | 66.1 | 65.4 | 54.7 | 74.0 | 81.5  |
| 2014/冬   | 98.6  | 88.2  | 78.3 | 71.6 | 73.9 | 55.4 | 67.1 | 74.5 | 71.6 | 81.0 | 76.7 | 86.1  | 96.9  | 99.0  | 94.8 | 76.0 | 62.0 | 63.7 | 64.3 | 64.2 | 68.2 | 69.6 | 64.4 | 80.4  |
| 2014/春   | 103.1 | 105.0 | 73.7 | 79.8 | 65.8 | 71.7 | 68.9 | 59.5 | 56.1 | 70.1 | 88.0 | 103.0 | 100.9 | 114.0 | 84.8 | 74.7 | 72.9 | 60.7 | 62.9 | 69.2 | 64.6 | 72.1 | 78.7 | 103.8 |
| 2014/夏   | 67.4  | 57.5  | 77.1 | 68.4 | 63.7 | 58.5 | 59.5 | 70.0 | 78.9 | 84.5 | 91.9 | 94.2  | 72.2  | 67.4  | 71.8 | 75.6 | 71.4 | 70.5 | 70.7 | 70.6 | 67.6 | 76.9 | 60.1 | 58.5  |
| 2014/秋   | 84.2  | 82.4  | 74.1 | 80.5 | 83.1 | 61.5 | 72.1 | 64.3 | 65.1 | 90.1 | 95.0 | 93.9  | 94.7  | 91.6  | 87.6 | 79.8 | 64.0 | 70.4 | 68.5 | 66.1 | 81.8 | 73.2 | 79.1 | 86.7  |
| 2014/年   | 103.1 | 105.0 | 78.3 | 80.5 | 83.1 | 71.7 | 72.1 | 74.5 | 78.9 | 90.1 | 95.0 | 103.0 | 100.9 | 114.0 | 94.8 | 79.8 | 72.9 | 70.5 | 70.7 | 70.6 | 81.8 | 76.9 | 79.1 | 103.8 |

DISC7Z2.BAT

單位: cm/s

港灣技術研究中心

表4.2.4d 歷年基隆港域主要測站逐時流速最大值統計表

| 時<br>年、月 | 0時    | 1時    | 2時    | 3時   | 4時    | 5時    | 6時    | 7時    | 8時    | 9時    | 10時   | 11時   | 12時   | 13時   | 14時   | 15時   | 16時   | 17時   | 18時   | 19時   | 20時   | 21時   | 22時   | 23時   |
|----------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 歷年/12    | 98.6  | 91.8  | 79.0  | 80.3 | 73.9  | 59.1  | 67.1  | 74.5  | 67.7  | 78.9  | 100.0 | 100.6 | 98.7  | 91.5  | 102.1 | 76.8  | 71.6  | 73.3  | 65.9  | 71.2  | 73.2  | 79.6  | 99.9  | 80.4  |
| 歷年/01    | 105.7 | 88.2  | 106.1 | 80.5 | 82.3  | 98.5  | 86.7  | 106.3 | 90.2  | 86.8  | 94.3  | 105.2 | 102.6 | 108.6 | 94.8  | 119.2 | 77.8  | 82.3  | 76.3  | 86.2  | 79.1  | 92.6  | 97.2  | 96.2  |
| 歷年/02    | 87.2  | 94.9  | 99.5  | 98.5 | 87.8  | 69.8  | 68.2  | 76.2  | 76.0  | 78.5  | 90.4  | 86.1  | 96.9  | 90.0  | 93.6  | 97.4  | 83.4  | 92.1  | 78.9  | 66.5  | 86.6  | 75.1  | 92.9  | 89.7  |
| 歷年/03    | 103.1 | 109.7 | 97.5  | 96.7 | 73.0  | 71.7  | 79.2  | 84.5  | 70.8  | 91.7  | 97.2  | 109.4 | 111.7 | 114.0 | 81.1  | 79.6  | 85.6  | 75.1  | 79.5  | 109.5 | 76.8  | 75.7  | 91.3  | 127.3 |
| 歷年/04    | 81.7  | 91.7  | 77.1  | 80.8 | 75.1  | 76.9  | 99.9  | 66.9  | 70.4  | 79.6  | 88.5  | 103.0 | 92.6  | 90.7  | 84.8  | 83.1  | 82.2  | 84.3  | 76.0  | 86.8  | 83.2  | 84.6  | 97.2  | 103.8 |
| 歷年/05    | 78.0  | 78.4  | 79.8  | 80.4 | 65.8  | 72.2  | 72.3  | 65.8  | 74.0  | 74.5  | 96.1  | 82.0  | 91.3  | 89.0  | 82.7  | 84.6  | 77.9  | 104.0 | 111.5 | 79.5  | 81.3  | 69.3  | 72.2  | 80.8  |
| 歷年/06    | 108.2 | 127.4 | 136.5 | 72.5 | 69.1  | 103.3 | 120.5 | 80.8  | 198.1 | 136.6 | 150.6 | 173.8 | 125.3 | 97.2  | 152.0 | 84.3  | 91.9  | 77.3  | 83.7  | 84.2  | 87.7  | 93.9  | 87.0  | 81.2  |
| 歷年/07    | 201.1 | 149.0 | 142.5 | 98.6 | 155.7 | 115.9 | 145.6 | 105.2 | 112.9 | 186.2 | 85.7  | 156.5 | 109.3 | 117.7 | 85.6  | 85.7  | 143.0 | 121.5 | 138.1 | 105.8 | 143.6 | 206.6 | 121.3 | 177.7 |
| 歷年/08    | 107.3 | 100.6 | 78.9  | 94.8 | 96.0  | 92.9  | 78.5  | 83.4  | 80.8  | 84.5  | 118.2 | 93.7  | 103.5 | 96.6  | 85.2  | 95.3  | 84.4  | 76.3  | 82.8  | 96.6  | 92.2  | 78.1  | 80.9  | 86.0  |
| 歷年/09    | 99.7  | 115.1 | 87.2  | 98.2 | 127.8 | 149.1 | 74.5  | 78.7  | 86.9  | 107.4 | 148.7 | 168.1 | 117.3 | 98.1  | 118.7 | 164.3 | 115.8 | 171.5 | 125.3 | 141.8 | 175.5 | 174.4 | 197.3 | 161.2 |
| 歷年/10    | 94.7  | 96.2  | 76.5  | 81.6 | 83.1  | 73.4  | 83.4  | 87.8  | 83.3  | 94.6  | 99.0  | 101.8 | 96.2  | 94.4  | 83.4  | 80.6  | 73.8  | 78.4  | 73.0  | 83.9  | 81.8  | 80.8  | 94.6  | 100.3 |
| 歷年/11    | 88.5  | 84.8  | 81.6  | 90.2 | 74.0  | 75.2  | 92.3  | 86.0  | 72.0  | 77.5  | 105.0 | 84.8  | 91.9  | 91.6  | 98.6  | 79.8  | 73.4  | 73.5  | 83.6  | 72.5  | 74.0  | 85.5  | 88.2  | 92.1  |
| 歷年/冬     | 105.7 | 94.9  | 106.1 | 98.5 | 87.8  | 98.5  | 86.7  | 106.3 | 90.2  | 86.8  | 100.0 | 105.2 | 102.6 | 108.6 | 102.1 | 119.2 | 83.4  | 92.1  | 78.9  | 86.2  | 86.6  | 92.6  | 99.9  | 96.2  |
| 歷年/春     | 103.1 | 109.7 | 97.5  | 96.7 | 75.1  | 76.9  | 99.9  | 84.5  | 74.0  | 91.7  | 97.2  | 109.4 | 111.7 | 114.0 | 84.8  | 84.6  | 85.6  | 104.0 | 111.5 | 109.5 | 83.2  | 84.6  | 97.2  | 127.3 |
| 歷年/夏     | 201.1 | 149.0 | 142.5 | 98.6 | 155.7 | 115.9 | 145.6 | 105.2 | 198.1 | 186.2 | 150.6 | 173.8 | 125.3 | 117.7 | 152.0 | 95.3  | 143.0 | 121.5 | 138.1 | 105.8 | 143.6 | 206.6 | 121.3 | 177.7 |
| 歷年/秋     | 99.7  | 115.1 | 87.2  | 98.2 | 127.8 | 149.1 | 92.3  | 87.8  | 86.9  | 107.4 | 148.7 | 168.1 | 117.3 | 98.1  | 118.7 | 164.3 | 115.8 | 171.5 | 125.3 | 141.8 | 175.5 | 174.4 | 197.3 | 161.2 |
| 歷年/年     | 201.1 | 149.0 | 142.5 | 98.6 | 155.7 | 149.1 | 145.6 | 106.3 | 198.1 | 186.2 | 150.6 | 173.8 | 125.3 | 117.7 | 152.0 | 164.3 | 143.0 | 171.5 | 138.1 | 141.8 | 175.5 | 206.6 | 197.3 | 177.7 |

DISC7Z2.BAT

單位: cm/s

港灣技術研究中心

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表4.2.5a 2014年基隆港域主要測站每日流速平均值統計表

| 日<br>年、月 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 27  | 29  | 28  | 31  |    |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 2013/12  | 28. | 23. | 22. | 26. | 30. | 30. | 23. | 22. | 21. | 34. | 34. | 30. | 34. | 33. | 31. | 32. | 33. | 35. | 30. | 33. | 33. | 33. | 30. | 29. | 27. | 29. | 29. | 25. | 28. | 19. | 17. |    |
| 2014/01  | 20. | 20. | 19. | 29. | 32. | 24. | 18. | 17. | 27. | 26. | 16. | 22. | 26. | 30. | 33. | 30. | 24. | 30. | 34. | 28. | 31. | 30. | 18. | 15. | 13. | 27. | 28. | 21. | 17. | 20. | 19. |    |
| 2014/02  | 22. | 21. | 21. | 38. | 36. | 30. | 29. | 23. | 25. | 26. | 29. | 30. | 31. | 31. | 30. | 25. | 19. | 26. | 32. | 34. | 29. | 30. | 16. | 15. | 16. | 13. | 21. | 19. | 0.  | 0.  | 0.  |    |
| 2014/03  | 23. | 40. | 42. | 36. | 37. | 31. | 29. | 25. | 22. | 24. | 19. | 15. | 24. | 26. | 17. | 10. | 9.  | 10. | 10. | 26. | 34. | 32. | 18. | 14. | 13. | 11. | 13. | 16. | 17. | 23. | 22. |    |
| 2014/04  | 33. | 22. | 23. | 31. | 27. | 23. | 26. | 16. | 25. | 18. | 17. | 15. | 27. | 36. | 32. | 19. | 20. | 20. | 22. | 29. | 27. | 31. | 25. | 26. | 27. | 29. | 38. | 35. | 30. | 23. | 0.  |    |
| 2014/05  | 21. | 22. | 20. | 20. | 36. | 30. | 23. | 20. | 19. | 17. | 21. | 20. | 23. | 25. | 20. | 20. | 16. | 18. | 17. | 26. | 21. | 26. | 35. | 32. | 30. | 34. | 35. | 33. | 32. | 32. | 31. |    |
| 2014/06  | 33. | 29. | 31. | 21. | 21. | 18. | 16. | 22. | 34. | 37. | 42. | 33. | 28. | 25. | 28. | 28. | 33. | 27. | 26. | 26. | 23. | 30. | 30. | 29. | 29. | 34. | 34. | 32. | 37. | 32. | 0.  |    |
| 2014/07  | 31. | 28. | 29. | 24. | 23. | 24. | 24. | 34. | 27. | 30. | 32. | 24. | 28. | 23. | 26. | 31. | 24. | 22. | 23. | 19. | 21. | 26. | 31. | 35. | 30. | 32. | 33. | 30. | 26. | 28. | 45. |    |
| 2014/08  | 38. | 33. | 21. | 18. | 20. | 23. | 23. | 30. | 27. | 25. | 19. | 16. | 18. | 18. | 15. | 17. | 14. | 13. | 14. | 11. | 12. | 11. | 14. | 13. | 13. | 14. | 15. | 17. | 15. | 14. | 12. |    |
| 2014/09  | 14. | 16. | 15. | 17. | 15. | 24. | 19. | 22. | 17. | 14. | 17. | 11. | 14. | 19. | 24. | 17. | 17. | 15. | 20. | 26. | 26. | 36. | 22. | 17. | 23. | 25. | 15. | 17. | 19. | 28. | 0.  |    |
| 2014/10  | 33. | 25. | 27. | 33. | 39. | 43. | 37. | 41. | 40. | 38. | 37. | 36. | 38. | 31. | 26. | 18. | 24. | 22. | 17. | 15. | 13. | 28. | 34. | 28. | 19. | 20. | 29. | 37. | 24. | 23. | 18. |    |
| 2014/11  | 20. | 37. | 36. | 35. | 19. | 30. | 45. | 34. | 40. | 42. | 29. | 34. | 32. | 26. | 26. | 28. | 27. | 26. | 27. | 0.  | 0.  | 0.  | 0.  | 0.  | 0.  | 0.  | 38. | 36. | 27. | 25. | 22. | 0. |
| 2014/冬   | 24. | 21. | 21. | 31. | 32. | 28. | 23. | 21. | 24. | 28. | 26. | 27. | 31. | 31. | 32. | 29. | 25. | 31. | 32. | 32. | 31. | 31. | 21. | 20. | 19. | 23. | 26. | 22. | 22. | 19. | 18. |    |
| 2014/春   | 24. | 30. | 29. | 29. | 33. | 28. | 26. | 21. | 22. | 19. | 19. | 16. | 25. | 29. | 23. | 16. | 15. | 16. | 16. | 27. | 28. | 30. | 26. | 24. | 23. | 25. | 29. | 28. | 26. | 26. | 27. |    |
| 2014/夏   | 34. | 30. | 27. | 21. | 21. | 22. | 21. | 28. | 29. | 31. | 31. | 24. | 25. | 22. | 23. | 25. | 24. | 21. | 21. | 19. | 19. | 22. | 25. | 26. | 24. | 27. | 27. | 26. | 26. | 25. | 28. |    |
| 2014/秋   | 23. | 26. | 26. | 28. | 24. | 32. | 34. | 32. | 32. | 31. | 28. | 27. | 28. | 25. | 25. | 21. | 23. | 21. | 20. | 21. | 19. | 32. | 28. | 23. | 21. | 28. | 27. | 27. | 23. | 24. | 18. |    |
| 2014/年   | 26. | 27. | 26. | 27. | 28. | 27. | 26. | 26. | 27. | 27. | 26. | 24. | 27. | 27. | 26. | 23. | 22. | 22. | 23. | 25. | 24. | 28. | 25. | 23. | 22. | 25. | 27. | 26. | 25. | 24. | 23. |    |

DISC9Z1.BAT

單位: cm/s

港灣技術研究中心

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表4.2.5b 歷年基隆港域主要測站每日流速平均值統計表

| 日<br>年、月 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 27  | 29  | 28  | 31  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 歷年/12    | 23. | 23. | 22. | 23. | 21. | 23. | 22. | 23. | 23. | 24. | 23. | 22. | 25. | 22. | 21. | 22. | 23. | 23. | 24. | 23. | 23. | 24. | 21. | 23. | 26. | 25. | 25. | 24. | 25. | 25. | 23. |
| 歷年/01    | 27. | 27. | 27. | 29. | 30. | 30. | 28. | 30. | 29. | 29. | 28. | 30. | 31. | 28. | 30. | 29. | 27. | 27. | 26. | 26. | 27. | 29. | 27. | 25. | 26. | 27. | 28. | 26. | 27. | 24. |     |
| 歷年/02    | 24. | 26. | 25. | 24. | 25. | 26. | 28. | 27. | 28. | 29. | 29. | 29. | 28. | 28. | 26. | 26. | 25. | 25. | 24. | 25. | 27. | 28. | 26. | 26. | 26. | 26. | 26. | 25. | 21. | 0.  | 0.  |
| 歷年/03    | 26. | 29. | 30. | 30. | 28. | 27. | 29. | 27. | 27. | 27. | 28. | 27. | 28. | 29. | 26. | 26. | 23. | 24. | 25. | 27. | 29. | 28. | 25. | 25. | 26. | 27. | 26. | 27. | 27. | 27. | 27. |
| 歷年/04    | 29. | 27. | 27. | 27. | 26. | 27. | 27. | 28. | 28. | 28. | 25. | 23. | 24. | 25. | 28. | 27. | 28. | 28. | 27. | 27. | 26. | 28. | 28. | 28. | 27. | 28. | 27. | 28. | 27. | 26. | 0.  |
| 歷年/05    | 28. | 27. | 26. | 26. | 28. | 26. | 26. | 25. | 28. | 26. | 28. | 27. | 26. | 27. | 26. | 27. | 25. | 25. | 26. | 27. | 27. | 28. | 28. | 26. | 25. | 24. | 24. | 25. | 29. | 28. | 29. |
| 歷年/06    | 28. | 29. | 28. | 25. | 25. | 24. | 24. | 26. | 27. | 27. | 27. | 28. | 26. | 27. | 28. | 28. | 28. | 28. | 26. | 25. | 26. | 26. | 25. | 25. | 25. | 26. | 25. | 25. | 26. | 26. | 0.  |
| 歷年/07    | 26. | 26. | 26. | 24. | 24. | 24. | 26. | 28. | 29. | 25. | 24. | 25. | 28. | 26. | 26. | 27. | 24. | 22. | 26. | 26. | 27. | 27. | 27. | 27. | 26. | 26. | 24. | 24. | 25. | 25. | 27. |
| 歷年/08    | 28. | 28. | 26. | 25. | 27. | 30. | 27. | 26. | 25. | 26. | 26. | 26. | 28. | 27. | 25. | 25. | 25. | 24. | 26. | 24. | 26. | 25. | 25. | 26. | 25. | 26. | 25. | 26. | 27. | 25. | 26. |
| 歷年/09    | 25. | 29. | 32. | 26. | 28. | 24. | 23. | 24. | 24. | 24. | 26. | 25. | 27. | 26. | 28. | 29. | 26. | 26. | 25. | 25. | 27. | 25. | 23. | 24. | 26. | 24. | 23. | 23. | 26. | 28. | 0.  |
| 歷年/10    | 28. | 25. | 25. | 27. | 29. | 28. | 27. | 26. | 27. | 24. | 26. | 27. | 27. | 27. | 29. | 27. | 27. | 25. | 24. | 25. | 25. | 24. | 27. | 27. | 26. | 26. | 26. | 26. | 24. | 24. |     |
| 歷年/11    | 25. | 24. | 27. | 27. | 25. | 26. | 25. | 24. | 25. | 26. | 27. | 27. | 26. | 25. | 26. | 25. | 26. | 26. | 24. | 24. | 23. | 22. | 25. | 26. | 25. | 25. | 26. | 24. | 24. | 22. | 0.  |
| 歷年/冬     | 25. | 25. | 25. | 26. | 25. | 26. | 26. | 27. | 27. | 28. | 27. | 27. | 28. | 26. | 26. | 25. | 25. | 25. | 25. | 25. | 25. | 27. | 25. | 25. | 26. | 26. | 26. | 25. | 25. | 26. | 24. |
| 歷年/春     | 28. | 28. | 27. | 27. | 27. | 27. | 27. | 27. | 28. | 27. | 27. | 26. | 26. | 27. | 27. | 26. | 25. | 26. | 26. | 27. | 27. | 28. | 27. | 27. | 26. | 26. | 26. | 27. | 27. | 27. | 28. |
| 歷年/夏     | 27. | 27. | 27. | 25. | 25. | 26. | 26. | 27. | 27. | 26. | 25. | 26. | 27. | 27. | 26. | 27. | 25. | 25. | 26. | 25. | 26. | 26. | 26. | 26. | 25. | 26. | 25. | 25. | 26. | 25. | 26. |
| 歷年/秋     | 26. | 26. | 28. | 27. | 27. | 26. | 25. | 25. | 25. | 25. | 26. | 26. | 27. | 26. | 28. | 27. | 26. | 26. | 24. | 24. | 25. | 24. | 25. | 26. | 26. | 25. | 25. | 25. | 25. | 24. | 24. |
| 歷年/年     | 26. | 27. | 27. | 26. | 26. | 26. | 26. | 26. | 27. | 26. | 26. | 26. | 27. | 26. | 27. | 26. | 25. | 25. | 25. | 25. | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 25. | 26. | 26. | 26. |

DISC9Z1.BAT

單位: cm/s

港灣技術研究中心

表4.2.5c 2014年基隆港域主要測站每日流速最大值統計表

| 日<br>年、月 | 1   | 2    | 3    | 4    | 5    | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14   | 15   | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 27  | 29  | 28  | 31  |
|----------|-----|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2013/12  | 74. | 78.  | 54.  | 80.  | 80.  | 99. | 50. | 64. | 48. | 64. | 67. | 61. | 70. | 60.  | 72.  | 61. | 85. | 86. | 74. | 85. | 67. | 68. | 78. | 70. | 62. | 59. | 57. | 63. | 67. | 56. | 73. |
| 2014/01  | 47. | 64.  | 55.  | 76.  | 88.  | 69. | 52. | 46. | 55. | 56. | 60. | 50. | 69. | 81.  | 66.  | 71. | 48. | 93. | 99. | 71. | 95. | 75. | 60. | 30. | 27. | 53. | 68. | 51. | 40. | 55. | 45. |
| 2014/02  | 81. | 55.  | 50.  | 80.  | 77.  | 72. | 61. | 63. | 52. | 55. | 54. | 67. | 78. | 86.  | 74.  | 97. | 86. | 60. | 90. | 75. | 64. | 67. | 36. | 26. | 33. | 38. | 56. | 42. | 0.  | 0.  | 0.  |
| 2014/03  | 80. | 101. | 114. | 105. | 104. | 67. | 62. | 54. | 58. | 46. | 44. | 28. | 60. | 49.  | 47.  | 31. | 22. | 24. | 35. | 74. | 86. | 75. | 47. | 30. | 30. | 34. | 32. | 54. | 56. | 88. | 58. |
| 2014/04  | 83. | 46.  | 46.  | 85.  | 74.  | 48. | 58. | 30. | 38. | 48. | 34. | 26. | 79. | 104. | 103. | 50. | 47. | 47. | 55. | 84. | 65. | 67. | 55. | 65. | 55. | 72. | 70. | 80. | 85. | 54. | 0.  |
| 2014/05  | 52. | 56.  | 41.  | 54.  | 80.  | 66. | 56. | 41. | 40. | 47. | 52. | 39. | 52. | 70.  | 46.  | 58. | 48. | 37. | 39. | 51. | 44. | 54. | 64. | 75. | 55. | 69. | 73. | 75. | 61. | 64. | 89. |
| 2014/06  | 63. | 62.  | 60.  | 54.  | 39.  | 40. | 33. | 47. | 77. | 92. | 70. | 68. | 68. | 67.  | 67.  | 60. | 62. | 56. | 52. | 54. | 47. | 66. | 56. | 61. | 72. | 66. | 69. | 61. | 65. | 71. | 0.  |
| 2014/07  | 71. | 51.  | 64.  | 68.  | 51.  | 47. | 57. | 70. | 67. | 81. | 94. | 45. | 65. | 50.  | 56.  | 55. | 61. | 54. | 66. | 48. | 51. | 61. | 75. | 65. | 58. | 74. | 71. | 71. | 59. | 67. | 77. |
| 2014/08  | 79. | 66.  | 50.  | 33.  | 62.  | 62. | 58. | 85. | 71. | 92. | 54. | 48. | 55. | 40.  | 32.  | 43. | 29. | 24. | 29. | 23. | 33. | 42. | 30. | 41. | 27. | 29. | 36. | 39. | 54. | 36. | 24. |
| 2014/09  | 34. | 36.  | 33.  | 48.  | 38.  | 47. | 95. | 78. | 46. | 32. | 37. | 25. | 29. | 37.  | 65.  | 52. | 53. | 36. | 38. | 56. | 43. | 70. | 63. | 35. | 52. | 72. | 43. | 56. | 56. | 73. | 0.  |
| 2014/10  | 63. | 83.  | 52.  | 78.  | 82.  | 90. | 64. | 87. | 94. | 77. | 95. | 80. | 76. | 70.  | 68.  | 50. | 53. | 55. | 52. | 39. | 23. | 79. | 72. | 58. | 58. | 54. | 60. | 82. | 52. | 61. | 47. |
| 2014/11  | 59. | 66.  | 62.  | 88.  | 35.  | 74. | 83. | 65. | 92. | 91. | 78. | 80. | 63. | 55.  | 69.  | 46. | 55. | 49. | 53. | 0.  | 0.  | 0.  | 0.  | 0.  | 0.  | 92. | 81. | 76. | 61. | 49. | 0.  |
| 2014/冬   | 81. | 78.  | 55.  | 80.  | 88.  | 99. | 61. | 64. | 55. | 64. | 67. | 67. | 78. | 86.  | 74.  | 97. | 86. | 93. | 99. | 85. | 95. | 75. | 78. | 70. | 62. | 59. | 68. | 63. | 67. | 56. | 73. |
| 2014/春   | 83. | 101. | 114. | 105. | 104. | 67. | 62. | 54. | 58. | 48. | 52. | 39. | 79. | 104. | 103. | 58. | 48. | 47. | 55. | 84. | 86. | 75. | 64. | 75. | 55. | 72. | 73. | 80. | 85. | 88. | 89. |
| 2014/夏   | 79. | 66.  | 64.  | 68.  | 62.  | 62. | 58. | 85. | 77. | 92. | 94. | 68. | 68. | 67.  | 67.  | 60. | 62. | 56. | 66. | 54. | 51. | 66. | 75. | 65. | 72. | 74. | 71. | 71. | 65. | 71. | 77. |
| 2014/秋   | 63. | 83.  | 62.  | 88.  | 82.  | 90. | 95. | 87. | 94. | 91. | 95. | 80. | 76. | 70.  | 69.  | 52. | 55. | 55. | 53. | 56. | 43. | 79. | 72. | 58. | 58. | 92. | 81. | 82. | 61. | 73. | 47. |
| 2014/年   | 83. | 101. | 114. | 105. | 104. | 99. | 95. | 87. | 94. | 92. | 95. | 80. | 79. | 104. | 103. | 97. | 86. | 93. | 99. | 85. | 95. | 79. | 78. | 75. | 72. | 92. | 81. | 82. | 85. | 88. | 89. |

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單位: cm/sec

港灣技術研究中心

表4.2.5d 歷年基隆港域主要測站每日流速最大值統計表

| 日<br>年、月 | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18  | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 27   | 29   | 28   | 31   |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 歷年/12    | 74.  | 88.  | 96.  | 80.  | 80.  | 99.  | 72.  | 67.  | 72.  | 74.  | 101. | 79.  | 100. | 75.  | 72.  | 74.  | 85.  | 86. | 80.  | 85.  | 68.  | 82.  | 78.  | 75.  | 94.  | 99.  | 84.  | 75.  | 102. | 92.  | 80.  |
| 歷年/01    | 89.  | 94.  | 85.  | 87.  | 88.  | 85.  | 106. | 83.  | 90.  | 103. | 100. | 109. | 86.  | 106. | 89.  | 85.  | 86.  | 93. | 99.  | 76.  | 95.  | 99.  | 96.  | 87.  | 95.  | 119. | 85.  | 106. | 93.  | 77.  | 93.  |
| 歷年/02    | 81.  | 92.  | 83.  | 80.  | 77.  | 74.  | 79.  | 93.  | 99.  | 90.  | 84.  | 72.  | 87.  | 95.  | 88.  | 97.  | 86.  | 82. | 90.  | 77.  | 81.  | 97.  | 84.  | 100. | 79.  | 89.  | 78.  | 86.  | 41.  | 0.   | 0.   |
| 歷年/03    | 80.  | 101. | 114. | 105. | 104. | 98.  | 96.  | 94.  | 109. | 112. | 127. | 93.  | 86.  | 87.  | 90.  | 91.  | 85.  | 84. | 110. | 76.  | 97.  | 82.  | 91.  | 83.  | 99.  | 94.  | 101. | 85.  | 99.  | 105. | 92.  |
| 歷年/04    | 83.  | 73.  | 79.  | 97.  | 76.  | 83.  | 93.  | 89.  | 100. | 103. | 89.  | 72.  | 82.  | 104. | 103. | 75.  | 87.  | 87. | 75.  | 84.  | 79.  | 93.  | 92.  | 82.  | 78.  | 91.  | 83.  | 83.  | 100. | 82.  | 0.   |
| 歷年/05    | 80.  | 81.  | 82.  | 71.  | 80.  | 76.  | 96.  | 78.  | 83.  | 90.  | 90.  | 93.  | 68.  | 70.  | 91.  | 78.  | 81.  | 69. | 69.  | 72.  | 75.  | 71.  | 73.  | 82.  | 85.  | 69.  | 73.  | 78.  | 112. | 80.  | 89.  |
| 歷年/06    | 100. | 91.  | 77.  | 79.  | 85.  | 71.  | 66.  | 68.  | 77.  | 92.  | 84.  | 84.  | 75.  | 198. | 137. | 174. | 151. | 82. | 97.  | 80.  | 82.  | 84.  | 92.  | 84.  | 77.  | 88.  | 94.  | 77.  | 80.  | 92.  | 0.   |
| 歷年/07    | 71.  | 89.  | 91.  | 106. | 88.  | 94.  | 89.  | 136. | 122. | 82.  | 94.  | 86.  | 107. | 99.  | 90.  | 95.  | 71.  | 85. | 86.  | 143. | 156. | 207. | 177. | 144. | 178. | 157. | 109. | 86.  | 78.  | 86.  | 85.  |
| 歷年/08    | 79.  | 83.  | 99.  | 79.  | 97.  | 95.  | 83.  | 96.  | 96.  | 92.  | 81.  | 94.  | 104. | 92.  | 86.  | 97.  | 118. | 85. | 92.  | 81.  | 93.  | 82.  | 76.  | 83.  | 93.  | 84.  | 98.  | 79.  | 84.  | 74.  | 107. |
| 歷年/09    | 87.  | 145. | 197. | 148. | 168. | 80.  | 95.  | 78.  | 88.  | 87.  | 88.  | 81.  | 86.  | 82.  | 101. | 106. | 81.  | 91. | 76.  | 78.  | 116. | 71.  | 77.  | 80.  | 91.  | 82.  | 76.  | 86.  | 91.  | 100. | 0.   |
| 歷年/10    | 96.  | 83.  | 95.  | 98.  | 93.  | 100. | 76.  | 87.  | 94.  | 77.  | 95.  | 93.  | 81.  | 79.  | 95.  | 102. | 97.  | 91. | 94.  | 82.  | 95.  | 85.  | 81.  | 88.  | 94.  | 99.  | 100. | 82.  | 96.  | 95.  | 86.  |
| 歷年/11    | 87.  | 92.  | 79.  | 90.  | 85.  | 92.  | 83.  | 86.  | 92.  | 91.  | 87.  | 87.  | 84.  | 89.  | 99.  | 82.  | 86.  | 85. | 74.  | 90.  | 74.  | 78.  | 85.  | 83.  | 88.  | 92.  | 81.  | 82.  | 73.  | 105. | 0.   |
| 歷年/冬     | 89.  | 94.  | 96.  | 87.  | 88.  | 99.  | 106. | 93.  | 99.  | 103. | 101. | 109. | 100. | 106. | 89.  | 97.  | 86.  | 93. | 99.  | 85.  | 95.  | 99.  | 96.  | 100. | 95.  | 119. | 85.  | 106. | 102. | 92.  | 93.  |
| 歷年/春     | 83.  | 101. | 114. | 105. | 104. | 98.  | 96.  | 94.  | 109. | 112. | 127. | 93.  | 86.  | 104. | 103. | 91.  | 87.  | 87. | 110. | 84.  | 97.  | 93.  | 92.  | 83.  | 99.  | 94.  | 101. | 85.  | 112. | 105. | 92.  |
| 歷年/夏     | 100. | 91.  | 99.  | 106. | 97.  | 95.  | 89.  | 136. | 122. | 92.  | 94.  | 94.  | 107. | 198. | 137. | 174. | 151. | 85. | 97.  | 143. | 156. | 207. | 177. | 144. | 178. | 157. | 109. | 86.  | 84.  | 92.  | 107. |
| 歷年/秋     | 96.  | 145. | 197. | 148. | 168. | 100. | 95.  | 87.  | 94.  | 91.  | 95.  | 93.  | 86.  | 89.  | 101. | 106. | 97.  | 91. | 94.  | 90.  | 116. | 85.  | 85.  | 88.  | 94.  | 99.  | 100. | 86.  | 96.  | 105. | 86.  |
| 歷年/年     | 100. | 145. | 197. | 148. | 168. | 100. | 106. | 136. | 122. | 112. | 127. | 109. | 107. | 198. | 137. | 174. | 151. | 93. | 110. | 143. | 156. | 207. | 177. | 144. | 178. | 157. | 109. | 106. | 112. | 105. | 107. |

DISC9Z2.BAT

單位: cm/sec

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表 4.2.6a 2014 年 冬季 基隆港域主要測站流速及流向聯合分佈百分比 (%) 統計表

2013 年 12 月 1 日 0 時 0 分 ~ 2014 年 2 月 28 日 23 時 0 分

| 流向<br>流速 | N   | NNE | NE  | ENE  | E    | ESE | SE  | SSE | S   | SSW | SW  | WSW | W    | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----------|
| 0cm/s    | .3  | .2  | .4  | .2   | .6   | .4  | .4  | .5  | .4  | .2  | .3  | .5  | .2   | .1  | .3  | .2  | 5.2       |
| 5cm/s    | .7  | .8  | .9  | .7   | 1.0  | .9  | .7  | .7  | .6  | .6  | .8  | .6  | .5   | .7  | .5  | .4  | 11.2      |
| 10cm/s   | .5  | .9  | .7  | 1.3  | .9   | .9  | 1.3 | .8  | .8  | .8  | .6  | .8  | .6   | .8  | .6  | .4  | 12.7      |
| 15cm/s   | .2  | .6  | 1.0 | 1.1  | 1.9  | .9  | .9  | .8  | .5  | .7  | 1.0 | 1.2 | 1.0  | .7  | .3  | .1  | 13.0      |
| 20cm/s   | .1  | .4  | 1.3 | 2.2  | 1.9  | .7  | .5  | .4  | .4  | .5  | 1.1 | 1.4 | 1.4  | 1.2 | .3  | .0  | 13.8      |
| 25cm/s   | .0  | .1  | .6  | 2.4  | 1.3  | .5  | .2  | .0  | .1  | .3  | .6  | 1.2 | 1.8  | .6  | .2  | .0  | 9.8       |
| 30cm/s   | .0  | .0  | .7  | 2.6  | 1.7  | .4  | .1  | .1  | .0  | .0  | .3  | 1.1 | 1.7  | .5  | .0  | .0  | 9.4       |
| 35cm/s   | .0  | .0  | .6  | 2.5  | .7   | .2  | .0  | .0  | .0  | .1  | .4  | .5  | 1.7  | .4  | .0  | .0  | 7.3       |
| 40cm/s   | .0  | .0  | .3  | 1.7  | .5   | .4  | .0  | .0  | .0  | .0  | .1  | .2  | 1.1  | .2  | .0  | .0  | 4.4       |
| 45cm/s   | .0  | .0  | .2  | 1.9  | .6   | .1  | .0  | .0  | .0  | .0  | .0  | .1  | .6   | .0  | .0  | .0  | 3.5       |
| 50cm/s   | .0  | .0  | .7  | 2.7  | .5   | .1  | .0  | .0  | .0  | .0  | .0  | .3  | .6   | .0  | .0  | .0  | 5.0       |
| 60cm/s   | .0  | .0  | .5  | 1.8  | .3   | .0  | .0  | .0  | .0  | .0  | .0  | .1  | .1   | .0  | .0  | .0  | 2.8       |
| 70cm/s   | .0  | .0  | .3  | .6   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .1  | .1   | .0  | .0  | .0  | 1.1       |
| 80cm/s   | .0  | .0  | .1  | .5   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .6        |
| 90cm/s   | .0  | .0  | .0  | .3   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .3        |
| 100cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 120cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 140cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 160cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 180cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 200cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 600cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 合計       | 1.9 | 3.1 | 8.5 | 22.5 | 11.7 | 5.5 | 4.2 | 3.4 | 2.9 | 3.2 | 5.2 | 8.1 | 11.4 | 5.1 | 2.2 | 1.1 | 100.0     |

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- [註 1]: 流速介於 20.0cm/s~ 25.0cm/s 佔 13.8%。主流向 ENE 佔 22.5%。  
 [註 2]: 流速平均值 = 26.0cm/s, 流速最大值 = 99.0cm/s, 其流向為 ENE。  
 [註 3]: 流速小於 25cm/s 佔 55.9%; 介於 25~50cm/s 佔 34.4%; 流速大於 50cm/s 佔 9.7%。  
 [註 4]: 流向介於 N ~ E 佔 41.6%; E ~ S 佔 19.2%; S ~ W 佔 24.5%; W ~ N 佔 14.7%。  
 [註 5]: 資料每小時記錄一次, 合計 2160 筆 (100.0%), 檔名: C14WKLX0.1HV。

表 4.2.6b 歷年 冬季 基隆港域主要測站流速及流向聯合分佈百分比 (%) 統計表

2001年12月1日 0時 0分 ~ 2014年 2月28日 23時 0分

| 流向<br>流速 | N   | NNE | NE  | ENE  | E    | ESE | SE  | SSE | S   | SSW | SW  | WSW | W   | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|
| 0cm/s    | .2  | .1  | .1  | .2   | .3   | .2  | .2  | .2  | .2  | .2  | .2  | .3  | .2  | .1  | .2  | .1  | 3.0       |
| 5cm/s    | .5  | .6  | .7  | .7   | 1.1  | .9  | .8  | .6  | .7  | .8  | .9  | 1.3 | 1.2 | .9  | .7  | .5  | 12.8      |
| 10cm/s   | .5  | .6  | .9  | 1.3  | 1.6  | 1.3 | .9  | .6  | .5  | .8  | 1.3 | 1.9 | 1.5 | 1.1 | .6  | .4  | 15.5      |
| 15cm/s   | .2  | .4  | .8  | 1.5  | 2.3  | 1.2 | .5  | .3  | .2  | .5  | 1.3 | 1.5 | 1.2 | .7  | .4  | .2  | 13.2      |
| 20cm/s   | .2  | .3  | .8  | 1.7  | 2.4  | 1.0 | .3  | .3  | .3  | .3  | 1.0 | 1.2 | 1.2 | .6  | .3  | .1  | 11.9      |
| 25cm/s   | .2  | .3  | .7  | 1.7  | 2.1  | .6  | .2  | .2  | .2  | .3  | .6  | .9  | 1.0 | .6  | .2  | .1  | 9.9       |
| 30cm/s   | .2  | .3  | .9  | 1.6  | 1.9  | .4  | .2  | .2  | .2  | .1  | .4  | .6  | 1.1 | .5  | .2  | .1  | 8.8       |
| 35cm/s   | .1  | .2  | .7  | 1.4  | 1.6  | .3  | .2  | .2  | .1  | .2  | .2  | .4  | .8  | .4  | .1  | .1  | 6.8       |
| 40cm/s   | .1  | .2  | .5  | 1.0  | 1.2  | .2  | .1  | .1  | .1  | .1  | .1  | .2  | .5  | .2  | .1  | .0  | 4.9       |
| 45cm/s   | .1  | .1  | .5  | .9   | 1.0  | .1  | .1  | .1  | .1  | .1  | .1  | .1  | .4  | .1  | .1  | .1  | 3.9       |
| 50cm/s   | .1  | .2  | .8  | 1.4  | 1.0  | .1  | .1  | .1  | .1  | .1  | .1  | .2  | .4  | .2  | .1  | .1  | 4.9       |
| 60cm/s   | .0  | .1  | .4  | .9   | .5   | .0  | .1  | .0  | .1  | .0  | .1  | .1  | .1  | .1  | .1  | .0  | 2.6       |
| 70cm/s   | .0  | .0  | .2  | .5   | .1   | .0  | .0  | .0  | .0  | .0  | .0  | .1  | .1  | .0  | .0  | .0  | 1.1       |
| 80cm/s   | .0  | .0  | .0  | .2   | .1   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .4        |
| 90cm/s   | .0  | .0  | .0  | .1   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .1        |
| 100cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 120cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 140cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 160cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 180cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 200cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 600cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0        |
| 合計       | 2.4 | 3.5 | 8.1 | 14.9 | 17.2 | 6.4 | 3.6 | 2.9 | 2.8 | 3.4 | 6.3 | 8.7 | 9.7 | 5.4 | 2.9 | 1.8 | 100.0     |

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- [註1]: 流速介於 10.0cm/s~ 15.0cm/s 佔 15.5%。主流向 E 佔 17.2%。  
 [註2]: 流速平均值 = 25.7cm/s, 流速最大值 = 119.2cm/s, 其流向為 W。  
 [註3]: 流速小於 25cm/s 佔 56.5%; 介於 25~50cm/s 佔 34.3%; 流速大於 50cm/s 佔 9.2%。  
 [註4]: 流向介於 N ~ E 佔 37.1%; E ~ S 佔 22.1%; S ~ W 佔 24.8%; W ~ N 佔 16.0%。  
 [註5]: 資料每小時記錄一次, 合計 23023 筆 (91.2%), 檔名: C44WKLX0.1HV。

表4.2.6c 2014年 春季 基隆港域主要測站流速及流向聯合分佈百分比 (%) 統計表

2014年 3月 1日 0時 0分 ~ 2014年 5月 31日 23時 0分

| 流向<br>流速 | N   | NNE | NE  | ENE  | E    | ESE | SE  | SSE | S   | SSW | SW  | WSW | W    | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----------|
| 0cm/s    | .2  | .2  | .3  | .2   | .4   | .4  | .6  | .3  | .3  | .3  | .5  | .6  | .7   | .5  | .3  | .5  | 6.2       |
| 5cm/s    | .6  | .8  | .8  | .7   | 1.1  | 1.4 | .9  | 1.0 | 1.1 | .6  | .7  | .7  | .4   | .4  | .7  | .5  | 12.2      |
| 10cm/s   | 1.0 | .7  | 1.1 | 1.3  | 1.3  | 1.6 | .7  | .8  | .8  | .8  | 1.0 | 1.2 | .8   | .4  | .8  | .6  | 14.9      |
| 15cm/s   | .6  | .7  | 1.3 | 1.8  | 1.7  | 1.0 | .9  | .8  | .7  | .8  | .9  | 1.0 | 1.1  | .9  | .3  | .2  | 14.8      |
| 20cm/s   | .0  | .5  | .8  | 1.7  | 1.8  | .7  | .3  | .2  | .5  | .5  | 1.0 | .7  | 1.1  | .6  | .5  | .2  | 11.0      |
| 25cm/s   | .0  | .1  | .9  | 2.0  | 1.2  | .7  | .3  | .2  | .5  | .4  | .6  | 1.3 | 1.4  | .5  | .1  | .0  | 10.3      |
| 30cm/s   | .0  | .0  | .6  | 2.5  | 1.2  | .4  | .1  | .2  | .2  | .4  | .6  | 1.3 | 1.4  | .5  | .0  | .0  | 9.3       |
| 35cm/s   | .0  | .0  | .3  | 1.9  | .7   | .5  | .1  | .0  | .2  | .2  | .2  | .7  | 1.3  | .2  | .0  | .0  | 6.4       |
| 40cm/s   | .0  | .0  | .4  | 1.2  | .7   | .3  | .0  | .0  | .0  | .1  | .1  | .4  | .9   | .1  | .0  | .0  | 4.2       |
| 45cm/s   | .0  | .0  | .2  | .7   | .4   | .3  | .0  | .0  | .0  | .2  | .1  | .5  | .4   | .1  | .0  | .0  | 3.1       |
| 50cm/s   | .0  | .0  | .4  | 1.6  | .6   | .3  | .0  | .0  | .0  | .2  | .0  | .1  | .8   | .3  | .0  | .0  | 4.4       |
| 60cm/s   | .0  | .0  | .1  | .7   | .1   | .0  | .0  | .0  | .0  | .0  | .0  | .3  | .2   | .0  | .0  | .0  | 1.6       |
| 70cm/s   | .0  | .0  | .1  | .4   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .1   | .0  | .0  | .0  | .7        |
| 80cm/s   | .0  | .0  | .1  | .5   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .6        |
| 90cm/s   | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 100cm/s  | .0  | .0  | .0  | .3   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .3        |
| 120cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 140cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 160cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 180cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 200cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 600cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 合計       | 2.5 | 3.1 | 7.6 | 17.3 | 11.2 | 7.5 | 4.0 | 3.6 | 4.4 | 4.5 | 5.8 | 8.9 | 10.5 | 4.5 | 2.8 | 2.0 | 100.0     |

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- [註1]: 流速介於 10.0cm/s~ 15.0cm/s 佔 14.9%。主流向 ENE 佔 17.3%。  
 [註2]: 流速平均值 = 24.3cm/s, 流速最大值 = 114.0cm/s, 其流向為 ENE。  
 [註3]: 流速小於 25cm/s 佔 59.1%; 介於 25~50cm/s 佔 33.3%; 流速大於 50cm/s 佔 7.7%。  
 [註4]: 流向介於 N ~ E 佔 36.2%; E ~ S 佔 21.6%; S ~ W 佔 26.4%; W ~ N 佔 15.8%。  
 [註5]: 資料每小時記錄一次, 合計 2149筆 ( 97.3%), 檔名: C14NKLX0.1HV。

表 4.2.6d 歷年 春季 基隆港域主要測站流速及流向聯合分佈百分比 (%) 統計表

2002年 3月 1日 0時 0分 ~ 2014年 5月 31日 23時 0分

| 流向<br>流速 | N   | NNE | NE  | ENE  | E    | ESE | SE  | SSE | S   | SSW | SW  | WSW | W    | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----------|
| 0cm/s    | .2  | .2  | .2  | .2   | .3   | .2  | .2  | .2  | .2  | .2  | .2  | .2  | .3   | .2  | .1  | .2  | 3.2       |
| 5cm/s    | .5  | .6  | .7  | .8   | 1.0  | .8  | .5  | .5  | .6  | .5  | .7  | .8  | .8   | .6  | .5  | .4  | 10.3      |
| 10cm/s   | .5  | .6  | .9  | 1.3  | 1.6  | 1.0 | .5  | .4  | .5  | .6  | 1.0 | 1.4 | 1.1  | .7  | .6  | .4  | 13.1      |
| 15cm/s   | .3  | .5  | 1.1 | 1.8  | 1.9  | .9  | .5  | .3  | .3  | .4  | 1.1 | 1.3 | 1.2  | .8  | .4  | .2  | 12.9      |
| 20cm/s   | .2  | .5  | .9  | 2.0  | 2.4  | .8  | .3  | .2  | .2  | .3  | .9  | 1.2 | 1.2  | .6  | .3  | .1  | 12.3      |
| 25cm/s   | .1  | .4  | 1.2 | 1.9  | 2.2  | .7  | .2  | .2  | .2  | .2  | .8  | 1.1 | 1.2  | .6  | .2  | .1  | 11.4      |
| 30cm/s   | .1  | .3  | 1.1 | 2.0  | 2.1  | .4  | .1  | .1  | .1  | .2  | .5  | .9  | 1.1  | .5  | .1  | .1  | 9.9       |
| 35cm/s   | .1  | .3  | .8  | 1.6  | 1.8  | .3  | .1  | .1  | .1  | .1  | .3  | .7  | .9   | .4  | .1  | .1  | 7.8       |
| 40cm/s   | .1  | .2  | .6  | 1.4  | 1.4  | .2  | .1  | .1  | .0  | .1  | .2  | .5  | .8   | .2  | .1  | .1  | 6.0       |
| 45cm/s   | .1  | .1  | .4  | 1.0  | 1.0  | .1  | .0  | .0  | .0  | .0  | .1  | .4  | .6   | .2  | .1  | .0  | 4.3       |
| 50cm/s   | .1  | .1  | .5  | 1.3  | 1.2  | .1  | .0  | .0  | .0  | .0  | .1  | .5  | .8   | .2  | .1  | .1  | 5.1       |
| 60cm/s   | .0  | .1  | .3  | .8   | .5   | .0  | .0  | .0  | .0  | .0  | .0  | .2  | .3   | .1  | .0  | .0  | 2.4       |
| 70cm/s   | .0  | .0  | .2  | .4   | .1   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .1   | .0  | .0  | .0  | .9        |
| 80cm/s   | .0  | .0  | .0  | .2   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .3        |
| 90cm/s   | .0  | .0  | .0  | .1   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .1        |
| 100cm/s  | .0  | .0  | .0  | .1   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .1        |
| 120cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 140cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 160cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 180cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 200cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 600cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 合計       | 2.2 | 4.0 | 9.0 | 17.0 | 17.4 | 5.7 | 2.6 | 2.2 | 2.2 | 2.6 | 6.1 | 9.3 | 10.5 | 5.1 | 2.5 | 1.7 | 100.0     |

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[註1]: 流速介於 10.0cm/s~ 15.0cm/s 佔 13.1%。主流向 E 佔 17.4%。

[註2]: 流速平均值 = 26.8cm/s, 流速最大值 = 127.3cm/s, 其流向為 ENE。

[註3]: 流速小於 25cm/s 佔 51.8%; 介於 25~50cm/s 佔 39.3%; 流速大於 50cm/s 佔 9.0%。

[註4]: 流向介於 N ~ E 佔 41.2%; E ~ S 佔 18.9%; S ~ W 佔 24.5%; W ~ N 佔 15.4%。

[註5]: 資料每小時記錄一次, 合計 25598 筆 (91.6%), 檔名: C44NKLX0.1HV。



表4.2.6e 2014年 夏季 基隆港域主要測站流速及流向聯合分佈百分比 (%) 統計表

2014年 6月 1日 0時 0分 ~ 2014年 8月31日 23時 0分

| 流向<br>流速 | N   | NNE | NE  | ENE  | E    | ESE | SE  | SSE | S   | SSW | SW  | WSW | W    | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----------|
| 0cm/s    | .2  | .5  | .3  | .4   | .6   | .6  | .1  | .3  | .4  | .3  | .3  | .2  | .3   | .4  | .4  | .2  | 5.6       |
| 5cm/s    | .7  | .3  | 1.0 | 1.1  | 1.1  | 1.0 | .9  | .6  | 1.0 | 1.1 | 1.1 | .6  | .5   | 1.0 | .5  | .4  | 13.0      |
| 10cm/s   | .4  | .7  | 1.0 | 1.5  | 2.6  | 1.6 | .8  | 1.1 | .5  | .7  | .6  | .8  | .6   | .6  | .3  | .3  | 14.2      |
| 15cm/s   | .2  | .3  | 1.4 | 2.1  | 2.4  | 1.0 | .5  | .8  | .4  | .7  | .8  | .7  | 1.0  | .8  | .5  | .1  | 13.7      |
| 20cm/s   | .1  | .1  | 1.1 | 2.9  | 1.5  | .8  | .4  | .4  | .2  | .2  | .5  | 1.2 | 1.1  | .7  | .4  | .1  | 11.7      |
| 25cm/s   | .0  | .0  | .9  | 2.5  | 1.0  | .3  | .2  | .3  | .1  | .4  | .6  | 1.0 | 1.2  | .4  | .3  | .0  | 9.1       |
| 30cm/s   | .0  | .0  | .3  | 2.4  | 1.0  | .5  | .1  | .2  | .0  | .4  | .4  | 1.1 | .9   | .4  | .2  | .0  | 8.0       |
| 35cm/s   | .0  | .0  | .4  | 1.5  | .9   | .4  | .2  | .3  | .2  | .1  | .1  | .6  | 1.1  | .3  | .0  | .0  | 6.2       |
| 40cm/s   | .0  | .0  | .3  | 1.5  | .7   | .2  | .2  | .0  | .1  | .2  | .2  | .7  | 1.3  | .1  | .1  | .0  | 5.6       |
| 45cm/s   | .0  | .0  | .1  | 1.4  | .1   | .2  | .0  | .0  | .2  | .1  | .3  | .5  | .7   | .1  | .0  | .0  | 3.8       |
| 50cm/s   | .0  | .0  | .3  | 1.6  | .6   | .0  | .1  | .0  | .1  | .0  | .2  | 1.0 | 1.2  | .2  | .0  | .0  | 5.4       |
| 60cm/s   | .0  | .0  | .1  | .9   | .2   | .0  | .0  | .0  | .0  | .1  | .1  | .6  | .5   | .1  | .0  | .0  | 2.8       |
| 70cm/s   | .0  | .0  | .0  | .2   | .1   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .3   | .0  | .0  | .0  | .7        |
| 80cm/s   | .0  | .0  | .0  | .1   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .1        |
| 90cm/s   | .0  | .0  | .0  | .1   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .1        |
| 100cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 120cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 140cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 160cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 180cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 200cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 600cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 合計       | 1.6 | 1.9 | 7.3 | 20.3 | 13.0 | 6.7 | 3.4 | 4.0 | 3.4 | 4.4 | 5.3 | 9.0 | 10.6 | 5.1 | 2.7 | 1.2 | 100.0     |

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[註1]: 流速介於 10.0cm/s~ 15.0cm/s 佔 14.2%。主流向 ENE 佔 20.3%。

[註2]: 流速平均值 = 24.9cm/s, 流速最大值 = 94.2cm/s, 其流向為 E。

[註3]: 流速小於 25cm/s 佔 58.2%; 介於 25~50cm/s 佔 32.7%; 流速大於 50cm/s 佔 9.1%。

[註4]: 流向介於 N ~ E 佔 38.2%; E ~ S 佔 20.9%; S ~ W 佔 26.7%; W ~ N 佔 14.2%。

[註5]: 資料每小時記錄一次, 合計 2208筆 (100.0%), 檔名: C14SKLX0.1HV。

表4.2.6f 歷年 夏季 基隆港域主要測站流速及流向聯合分佈百分比 (%) 統計表

2001年 6月26日12時 0分 ~ 2014年 8月31日23時 0分

| 流向<br>流速 | N   | NNE | NE  | ENE  | E    | ESE | SE  | SSE | S   | SSW | SW  | WSW | W    | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----------|
| 0cm/s    | .2  | .2  | .2  | .2   | .3   | .3  | .2  | .2  | .3  | .2  | .2  | .3  | .2   | .2  | .2  | .2  | 3.8       |
| 5cm/s    | .7  | .7  | .9  | 1.0  | 1.0  | .9  | .8  | .7  | .7  | .6  | .7  | .8  | .9   | .7  | .6  | .6  | 12.1      |
| 10cm/s   | .6  | .8  | 1.3 | 1.8  | 1.9  | 1.3 | .8  | .6  | .5  | .6  | .7  | 1.0 | 1.1  | .7  | .7  | .5  | 14.8      |
| 15cm/s   | .5  | .6  | 1.1 | 1.9  | 2.1  | 1.3 | .5  | .4  | .4  | .5  | .7  | 1.1 | 1.1  | .9  | .5  | .3  | 13.9      |
| 20cm/s   | .3  | .5  | 1.0 | 1.8  | 2.1  | .9  | .4  | .3  | .3  | .3  | .7  | 1.2 | 1.2  | .6  | .4  | .2  | 12.2      |
| 25cm/s   | .2  | .4  | .9  | 1.6  | 1.8  | .7  | .3  | .2  | .2  | .2  | .6  | 1.1 | 1.1  | .6  | .2  | .1  | 10.0      |
| 30cm/s   | .1  | .2  | .7  | 1.4  | 1.5  | .6  | .2  | .1  | .1  | .2  | .5  | .9  | .8   | .4  | .1  | .1  | 7.9       |
| 35cm/s   | .1  | .2  | .7  | 1.2  | 1.2  | .3  | .1  | .1  | .1  | .1  | .3  | .8  | .8   | .3  | .1  | .1  | 6.3       |
| 40cm/s   | .0  | .2  | .4  | .9   | .9   | .2  | .1  | .0  | .0  | .1  | .2  | .7  | .7   | .3  | .1  | .0  | 5.0       |
| 45cm/s   | .1  | .1  | .3  | .9   | .6   | .1  | .0  | .0  | .0  | .1  | .2  | .5  | .6   | .2  | .0  | .0  | 3.9       |
| 50cm/s   | .1  | .1  | .5  | 1.0  | .7   | .1  | .0  | .0  | .0  | .0  | .2  | .7  | 1.1  | .4  | .1  | .0  | 5.3       |
| 60cm/s   | .0  | .1  | .2  | .6   | .4   | .1  | .0  | .0  | .0  | .0  | .1  | .3  | .7   | .2  | .0  | .0  | 2.8       |
| 70cm/s   | .0  | .0  | .1  | .2   | .2   | .0  | .0  | .0  | .0  | .0  | .0  | .1  | .3   | .1  | .0  | .0  | 1.1       |
| 80cm/s   | .0  | .0  | .0  | .1   | .1   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .1   | .1  | .0  | .0  | .4        |
| 90cm/s   | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .2        |
| 100cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .1        |
| 120cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 140cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 160cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 180cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 200cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 600cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 合計       | 3.0 | 4.1 | 8.4 | 14.7 | 14.8 | 6.7 | 3.5 | 2.7 | 2.5 | 3.0 | 5.3 | 9.5 | 10.9 | 5.7 | 3.0 | 2.2 | 100.0     |

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- [註1]: 流速介於 10.0cm/s~ 15.0cm/s 佔 14.8%。主流向 E 佔 14.8%。  
 [註2]: 流速平均值 = 26.0cm/s, 流速最大值 = 206.6cm/s, 其流向為 E。  
 [註3]: 流速小於 25cm/s 佔 56.9%; 介於 25~50cm/s 佔 33.2%; 流速大於 50cm/s 佔 9.9%。  
 [註4]: 流向介於 N ~ E 佔 36.9%; E ~ S 佔 21.0%; S ~ W 佔 25.1%; W ~ N 佔 17.0%。  
 [註5]: 資料每小時記錄一次, 合計 26880筆 (91.3%), 檔名: C44SKLX0.1HV。

表 4.2.6g 2014 年 秋季 基隆港域主要測站流速及流向聯合分佈百分比 (%) 統計表

2014 年 9 月 1 日 0 時 0 分 ~ 2014 年 11 月 30 日 23 時 0 分

| 流向<br>流速 | N   | NNE | NE  | ENE  | E   | ESE | SE  | SSE | S   | SSW | SW  | WSW  | W    | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----------|
| 0cm/s    | .0  | .1  | .1  | .1   | .1  | .2  | .3  | .2  | .2  | .5  | .0  | .0   | .3   | .3  | .0  | .4  | 3.2       |
| 5cm/s    | .3  | .4  | .2  | .2   | .4  | .8  | .9  | 1.4 | 1.7 | .8  | 1.0 | 1.0  | .9   | .6  | .4  | .3  | 11.6      |
| 10cm/s   | .6  | .5  | .7  | .8   | 1.0 | .8  | 1.1 | 1.3 | 2.3 | 2.2 | 2.2 | 1.4  | 1.0  | .6  | .7  | .3  | 17.7      |
| 15cm/s   | .1  | .2  | .4  | 1.1  | .7  | 1.2 | .8  | 1.0 | 1.1 | 1.2 | 2.0 | 1.3  | 1.2  | .8  | .4  | .3  | 13.9      |
| 20cm/s   | .0  | .2  | .4  | 1.4  | .9  | .6  | .2  | .8  | .8  | .7  | 1.2 | 1.3  | .9   | .7  | .3  | .1  | 10.8      |
| 25cm/s   | .0  | .0  | .7  | 1.4  | 1.1 | .3  | .6  | .5  | .4  | .4  | .9  | 1.3  | .8   | .4  | .1  | .0  | 9.3       |
| 30cm/s   | .0  | .0  | .4  | 1.2  | .7  | .2  | .5  | .4  | .1  | .3  | .5  | 1.1  | 1.3  | .1  | .0  | .0  | 7.1       |
| 35cm/s   | .0  | .0  | .2  | 1.5  | .9  | .2  | .3  | .0  | .1  | .2  | .4  | .6   | 1.1  | .3  | .0  | .0  | 6.0       |
| 40cm/s   | .0  | .0  | .2  | 1.2  | .7  | .4  | .2  | .1  | .0  | .2  | .5  | .9   | 1.0  | .3  | .0  | .0  | 5.8       |
| 45cm/s   | .0  | .0  | .2  | 1.3  | .6  | .1  | .1  | .0  | .0  | .0  | .2  | .6   | 1.1  | .0  | .0  | .0  | 4.5       |
| 50cm/s   | .0  | .0  | .3  | 1.2  | .6  | .2  | .1  | .0  | .1  | .0  | .2  | 1.0  | 1.2  | .0  | .0  | .0  | 5.1       |
| 60cm/s   | .0  | .0  | .2  | .9   | .6  | .2  | .0  | .0  | .0  | .0  | .1  | .1   | .4   | .1  | .0  | .0  | 2.8       |
| 70cm/s   | .0  | .0  | .2  | .4   | .3  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .1   | .0  | .0  | .0  | 1.2       |
| 80cm/s   | .0  | .0  | .0  | .4   | .1  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .7        |
| 90cm/s   | .0  | .0  | .0  | .3   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .3        |
| 100cm/s  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0        |
| 120cm/s  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0        |
| 140cm/s  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0        |
| 160cm/s  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0        |
| 180cm/s  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0        |
| 200cm/s  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0        |
| 600cm/s  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0        |
| 合計       | 1.1 | 1.6 | 4.5 | 13.6 | 9.0 | 5.5 | 5.2 | 5.8 | 6.9 | 6.9 | 9.4 | 10.9 | 11.4 | 4.5 | 2.1 | 1.6 | 100.0     |

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- [註1]: 流速介於 10.0cm/s~ 15.0cm/s 佔 17.7%。主流向 ENE 佔 13.6%。  
 [註2]: 流速平均值 = 26.1cm/s, 流速最大值 = 95.0cm/s, 其流向為 NE。  
 [註3]: 流速小於 25cm/s 佔 57.2%; 介於 25~50cm/s 佔 32.7%; 流速大於 50cm/s 佔 10.1%。  
 [註4]: 流向介於 N ~ E 佔 25.9%; E ~ S 佔 22.7%; S ~ W 佔 37.1%; W ~ N 佔 14.3%。  
 [註5]: 資料每小時記錄一次, 合計 2028 筆 ( 92.9%), 檔名: C14FKLX0.1HV。

表 4.2.6h 歷年 秋季 基隆港域主要測站流速及流向聯合分佈百分比 (%) 統計表

2001年 9月13日 13時 0分 ~ 2014年 11月30日 23時 0分

| 流向<br>流速 | N   | NNE | NE  | ENE  | E    | ESE | SE  | SSE | S   | SSW | SW  | WSW  | W    | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----------|
| 0cm/s    | .2  | .2  | .2  | .2   | .2   | .3  | .2  | .2  | .2  | .2  | .2  | .3   | .3   | .2  | .2  | .2  | 3.6       |
| 5cm/s    | .8  | .8  | .9  | .9   | 1.0  | .8  | .8  | .7  | .6  | .7  | .8  | .9   | 1.2  | .9  | .8  | .7  | 13.4      |
| 10cm/s   | .6  | .8  | 1.1 | 1.4  | 1.5  | .9  | .7  | .5  | .7  | .8  | 1.2 | 1.4  | 1.5  | 1.0 | .7  | .6  | 15.3      |
| 15cm/s   | .4  | .5  | .9  | 1.5  | 1.6  | 1.0 | .5  | .4  | .4  | .5  | 1.0 | 1.4  | 1.2  | .8  | .5  | .4  | 13.1      |
| 20cm/s   | .2  | .4  | .9  | 1.7  | 1.7  | .9  | .3  | .3  | .3  | .3  | .9  | 1.3  | 1.3  | .6  | .3  | .2  | 11.6      |
| 25cm/s   | .1  | .3  | .9  | 1.5  | 1.8  | .6  | .3  | .2  | .2  | .2  | .7  | 1.2  | 1.1  | .5  | .2  | .1  | 9.8       |
| 30cm/s   | .1  | .2  | .8  | 1.4  | 1.6  | .5  | .1  | .1  | .1  | .2  | .6  | 1.2  | 1.0  | .3  | .1  | .0  | 8.2       |
| 35cm/s   | .0  | .2  | .7  | 1.4  | 1.3  | .4  | .1  | .0  | .0  | .1  | .4  | .8   | .8   | .2  | .1  | .0  | 6.6       |
| 40cm/s   | .0  | .1  | .5  | 1.1  | 1.0  | .2  | .1  | .0  | .0  | .1  | .3  | .7   | .7   | .2  | .0  | .0  | 5.2       |
| 45cm/s   | .0  | .1  | .3  | 1.1  | .9   | .2  | .0  | .0  | .0  | .1  | .1  | .5   | .6   | .1  | .0  | .0  | 4.0       |
| 50cm/s   | .0  | .0  | .4  | 1.4  | 1.0  | .2  | .0  | .0  | .0  | .0  | .2  | .7   | .8   | .1  | .0  | .0  | 5.0       |
| 60cm/s   | .0  | .0  | .2  | .9   | .4   | .0  | .0  | .0  | .0  | .0  | .1  | .3   | .3   | .1  | .0  | .0  | 2.4       |
| 70cm/s   | .0  | .0  | .1  | .5   | .2   | .0  | .0  | .0  | .0  | .0  | .0  | .1   | .1   | .0  | .0  | .0  | 1.1       |
| 80cm/s   | .0  | .0  | .0  | .3   | .1   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .5        |
| 90cm/s   | .0  | .0  | .0  | .1   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .1        |
| 100cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .1        |
| 120cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0        |
| 140cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0        |
| 160cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0        |
| 180cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0        |
| 200cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0        |
| 600cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0        |
| 合計       | 2.5 | 3.6 | 8.0 | 15.5 | 14.4 | 6.0 | 3.2 | 2.5 | 2.7 | 3.3 | 6.4 | 10.7 | 10.8 | 5.0 | 2.9 | 2.3 | 100.0     |

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[註1]: 流速介於 10.0cm/s~ 15.0cm/s 佔 15.3%。主流向 ENE 佔 15.5%。

[註2]: 流速平均值 = 25.6cm/s, 流速最大值 = 197.3cm/s, 其流向為 S。

[註3]: 流速小於 25cm/s 佔 56.9%; 介於 25~50cm/s 佔 33.8%; 流速大於 50cm/s 佔 9.3%。

[註4]: 流向介於 N ~ E 佔 36.4%; E ~ S 佔 19.5%; S ~ W 佔 27.8%; W ~ N 佔 16.3%。

[註5]: 資料每小時記錄一次, 合計 27848 筆 (95.6%), 檔名: C44FKLX0.1HV。

表 4.2.6i 2014 年 整年 基隆港域主要測站流速及流向聯合分佈百分比 (%) 統計表

2013 年 12 月 1 日 0 時 0 分 ~ 2014 年 11 月 30 日 23 時 0 分

| 流向<br>流速 | N   | NNE | NE  | ENE  | E    | ESE | SE  | SSE | S   | SSW | SW  | WSW | W    | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----------|
| 0cm/s    | .2  | .3  | .3  | .3   | .4   | .4  | .3  | .3  | .3  | .3  | .3  | .3  | .4   | .3  | .3  | .3  | 5.1       |
| 5cm/s    | .6  | .6  | .7  | .7   | .9   | 1.0 | .9  | .9  | 1.1 | .8  | .9  | .7  | .6   | .7  | .5  | .4  | 12.0      |
| 10cm/s   | .6  | .7  | .9  | 1.2  | 1.5  | 1.2 | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.0 | .7   | .6  | .6  | .4  | 14.8      |
| 15cm/s   | .3  | .4  | 1.1 | 1.5  | 1.7  | 1.0 | .8  | .9  | .7  | .9  | 1.2 | 1.0 | 1.1  | .8  | .4  | .2  | 13.8      |
| 20cm/s   | .1  | .3  | .9  | 2.1  | 1.6  | .7  | .4  | .4  | .5  | .5  | .9  | 1.2 | 1.1  | .8  | .4  | .1  | 11.9      |
| 25cm/s   | .0  | .1  | .8  | 2.1  | 1.1  | .5  | .3  | .3  | .3  | .4  | .7  | 1.2 | 1.3  | .5  | .2  | .0  | 9.6       |
| 30cm/s   | .0  | .0  | .5  | 2.2  | 1.1  | .4  | .2  | .2  | .1  | .3  | .5  | 1.2 | 1.3  | .4  | .1  | .0  | 8.4       |
| 35cm/s   | .0  | .0  | .4  | 1.9  | .8   | .3  | .2  | .1  | .1  | .2  | .3  | .6  | 1.3  | .3  | .0  | .0  | 6.5       |
| 40cm/s   | .0  | .0  | .3  | 1.4  | .6   | .3  | .1  | .0  | .0  | .1  | .2  | .5  | 1.1  | .2  | .0  | .0  | 5.0       |
| 45cm/s   | .0  | .0  | .2  | 1.3  | .4   | .2  | .0  | .0  | .1  | .1  | .2  | .4  | .7   | .1  | .0  | .0  | 3.7       |
| 50cm/s   | .0  | .0  | .4  | 1.8  | .6   | .2  | .1  | .0  | .1  | .1  | .1  | .6  | .9   | .2  | .0  | .0  | 5.0       |
| 60cm/s   | .0  | .0  | .2  | 1.1  | .3   | .1  | .0  | .0  | .0  | .0  | .1  | .3  | .3   | .0  | .0  | .0  | 2.5       |
| 70cm/s   | .0  | .0  | .2  | .4   | .1   | .0  | .0  | .0  | .0  | .0  | .0  | .1  | .2   | .0  | .0  | .0  | .9        |
| 80cm/s   | .0  | .0  | .1  | .4   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .5        |
| 90cm/s   | .0  | .0  | .0  | .2   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .2        |
| 100cm/s  | .0  | .0  | .0  | .1   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .1        |
| 120cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 140cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 160cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 180cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 200cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 600cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 合計       | 1.8 | 2.4 | 7.0 | 18.5 | 11.3 | 6.3 | 4.2 | 4.2 | 4.3 | 4.7 | 6.4 | 9.2 | 11.0 | 4.8 | 2.5 | 1.4 | 100.0     |

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[註1]: 流速介於 10.0cm/s~ 15.0cm/s 佔 14.8%。主流向 ENE 佔 18.5%。

[註2]: 流速平均值 = 25.3cm/s, 流速最大值 = 114.0cm/s, 其流向為 ENE。

[註3]: 流速小於 25cm/s 佔 57.6%; 介於 25~50cm/s 佔 33.3%; 流速大於 50cm/s 佔 9.1%。

[註4]: 流向介於 N ~ E 佔 35.7%; E ~ S 佔 21.1%; S ~ W 佔 28.5%; W ~ N 佔 14.7%。

[註5]: 資料每小時記錄一次, 合計 8545 筆 (97.5%), 檔名: C140KLX0.1HV。

表4.2.6j 歷年 基隆港域主要測站流速及流向聯合分佈百分比 (%) 統計表

2001年 6月26日12時 0分 ~ 2014年11月30日23時 0分

| 流向<br>流速 | N   | NNE | NE  | ENE  | E    | ESE | SE  | SSE | S   | SSW | SW  | WSW | W    | WNW | NW  | NNW | 合計<br>(%) |
|----------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----------|
| 0cm/s    | .2  | .2  | .2  | .2   | .3   | .2  | .2  | .2  | .2  | .2  | .2  | .3  | .2   | .2  | .2  | .2  | 3.4       |
| 5cm/s    | .6  | .7  | .8  | .9   | 1.0  | .8  | .7  | .6  | .6  | .7  | .8  | .9  | 1.0  | .7  | .6  | .5  | 12.2      |
| 10cm/s   | .5  | .7  | 1.1 | 1.4  | 1.6  | 1.1 | .7  | .5  | .6  | .7  | 1.1 | 1.4 | 1.3  | .9  | .6  | .5  | 14.7      |
| 15cm/s   | .3  | .5  | 1.0 | 1.7  | 2.0  | 1.1 | .5  | .4  | .3  | .5  | 1.0 | 1.3 | 1.2  | .8  | .4  | .3  | 13.3      |
| 20cm/s   | .2  | .5  | .9  | 1.8  | 2.1  | .9  | .3  | .3  | .3  | .3  | .9  | 1.2 | 1.2  | .6  | .3  | .2  | 12.0      |
| 25cm/s   | .2  | .4  | .9  | 1.6  | 2.0  | .6  | .3  | .2  | .2  | .2  | .7  | 1.1 | 1.1  | .6  | .2  | .1  | 10.3      |
| 30cm/s   | .1  | .3  | .9  | 1.6  | 1.7  | .5  | .2  | .1  | .1  | .2  | .5  | .9  | 1.0  | .4  | .1  | .1  | 8.7       |
| 35cm/s   | .1  | .2  | .7  | 1.4  | 1.5  | .3  | .1  | .1  | .1  | .1  | .3  | .7  | .8   | .3  | .1  | .1  | 6.9       |
| 40cm/s   | .1  | .2  | .5  | 1.1  | 1.1  | .2  | .1  | .1  | .1  | .1  | .2  | .6  | .7   | .2  | .1  | .0  | 5.3       |
| 45cm/s   | .1  | .1  | .4  | 1.0  | .9   | .1  | .0  | .0  | .0  | .1  | .2  | .4  | .5   | .2  | .1  | .0  | 4.0       |
| 50cm/s   | .0  | .1  | .6  | 1.3  | 1.0  | .1  | .0  | .0  | .0  | .1  | .2  | .5  | .8   | .2  | .0  | .0  | 5.1       |
| 60cm/s   | .0  | .0  | .3  | .8   | .5   | .0  | .0  | .0  | .0  | .0  | .1  | .2  | .4   | .1  | .0  | .0  | 2.5       |
| 70cm/s   | .0  | .0  | .1  | .4   | .1   | .0  | .0  | .0  | .0  | .0  | .0  | .1  | .2   | .0  | .0  | .0  | 1.1       |
| 80cm/s   | .0  | .0  | .0  | .2   | .1   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .4        |
| 90cm/s   | .0  | .0  | .0  | .1   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .1        |
| 100cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .1        |
| 120cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 140cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 160cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 180cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 200cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 600cm/s  | .0  | .0  | .0  | .0   | .0   | .0  | .0  | .0  | .0  | .0  | .0  | .0  | .0   | .0  | .0  | .0  | .0        |
| 合計       | 2.5 | 3.8 | 8.4 | 15.5 | 15.9 | 6.2 | 3.2 | 2.6 | 2.5 | 3.1 | 6.0 | 9.6 | 10.5 | 5.3 | 2.8 | 2.0 | 100.0     |

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[註1]: 流速介於 10.0cm/s~ 15.0cm/s 佔 14.7%。主流向 E 佔 15.9%。

[註2]: 流速平均值 = 26.0cm/s, 流速最大值 = 206.6cm/s, 其流向為 E。

[註3]: 流速小於 25cm/s 佔 55.5%; 介於 25~50cm/s 佔 35.1%; 流速大於 50cm/s 佔 9.3%。

[註4]: 流向介於 N ~ E 佔 37.9%; E ~ S 佔 20.3%; S ~ W 佔 25.6%; W ~ N 佔 16.2%。

[註5]: 資料每小時記錄一次, 合計 103349 筆 ( 92.4%), 檔名: C440KLX0.1HV。

### 4.3 基隆港域主要測站海流資料統計圖





# Current Speed Statistics of KLX0

■ : 2014      ■ : Years



圖 4.3.1a 基隆港域2014及歷年 X 站每月 (季) 流速統計量比較圖

4-3-1

# Current Direction Statistics of KLX0

■ : 2014      ■ : Years

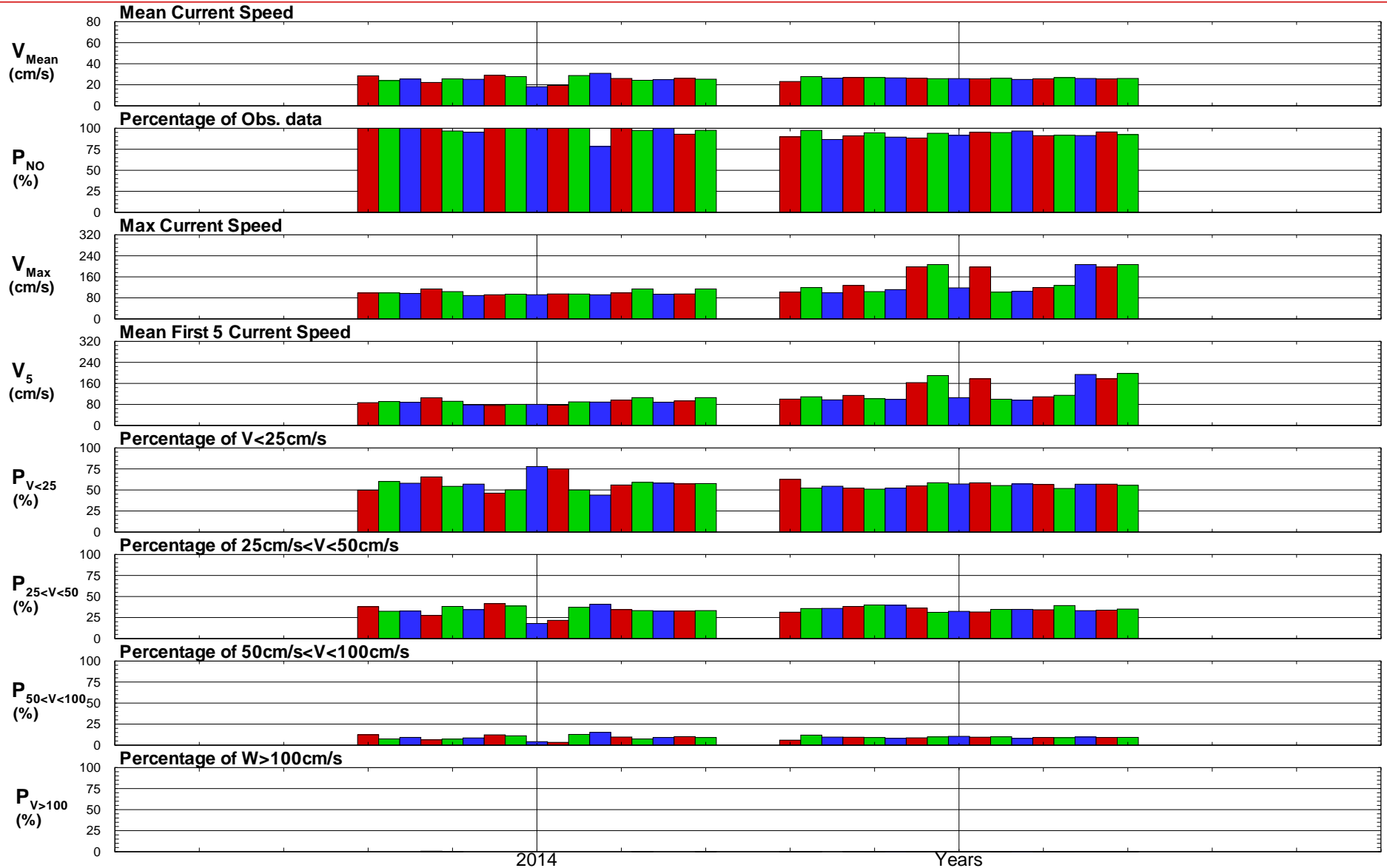


圖 4.3.1b 基隆港域 2014 及 歷年 X 站 每月 (季) 流向 統計量 比較圖

4-3-2

# Current Speed Statistics of KLX0

■: Dec ■: Jan ■: Feb ■: Mar ..... ■: Fall ■: Years



4-3-3

圖 4.3.1c 基隆港域 2014 及 歷年 X 站 每月 (季) 流速 統計量 比較圖

Year

# Current Direction Statistics of KLX0

■: Dec ■: Jan ■: Feb ■: Mar ..... ■: Fall ■: Years



圖 4.3.1d 基隆港域 2014 及歷年 X 站每月 (季) 流向統計量比較圖

Year

C140KLX0.TD1 C440KLX0.TD1

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STAC1X.BAT(STAC1XH.DAT)

2017/08/16

4-3-4

# Current Speed Statistics of KLX0 at 2014

■ : Winter    ■ : Summer    ■ : Year

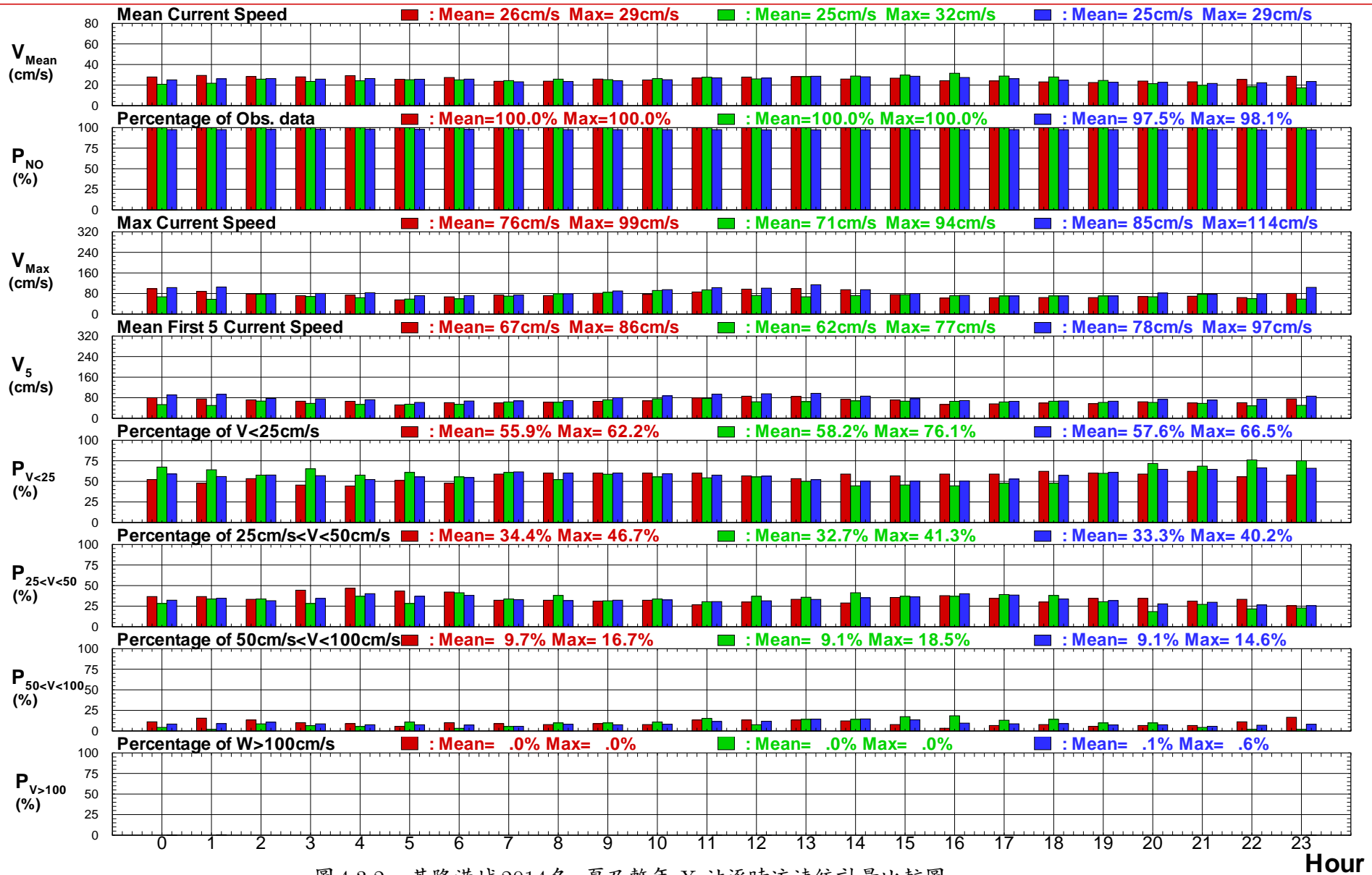


圖 4.3.2a 基隆港域2014冬, 夏及整年 X 站逐時流速統計量比較圖

Hour

# Current Direction Statistics of KLX0 at 2014

■ : Winter    ■ : Summer    ■ : Year

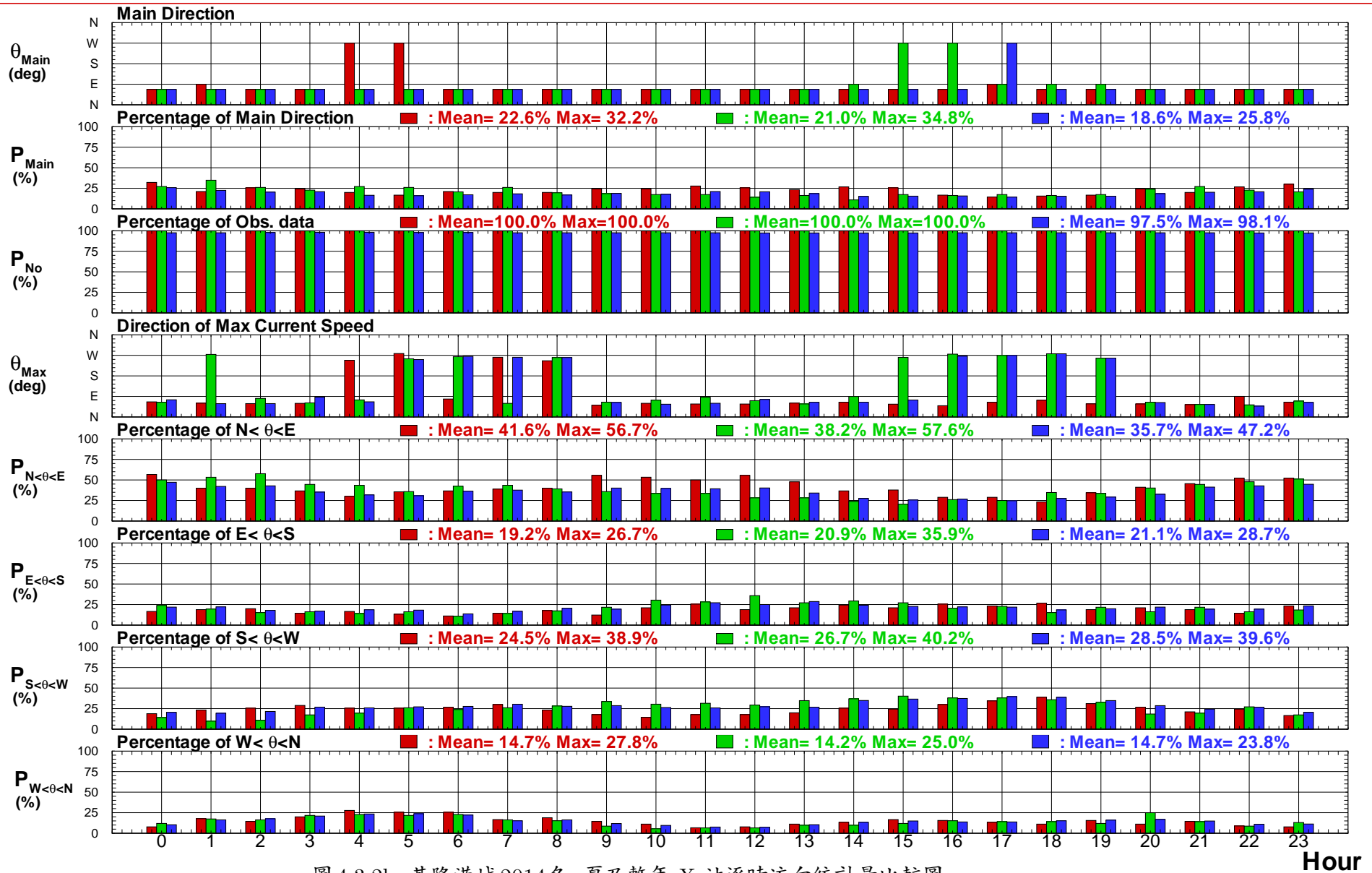


圖 4.3.2b 基隆港域2014冬, 夏及整年 X 站逐時流向統計量比較圖

4-3-6

# Current Speed Statistics of KLX0 at Years

■ : Winter   ■ : Summer   ■ : Year



4-3-7

圖 4.3.2c 基隆港域歷年冬, 夏及整年 X 站每時流速統計量比較圖

Hour

# Current Direction Statistics of KLX0 at Years

■ : Winter    ■ : Summer    ■ : Year

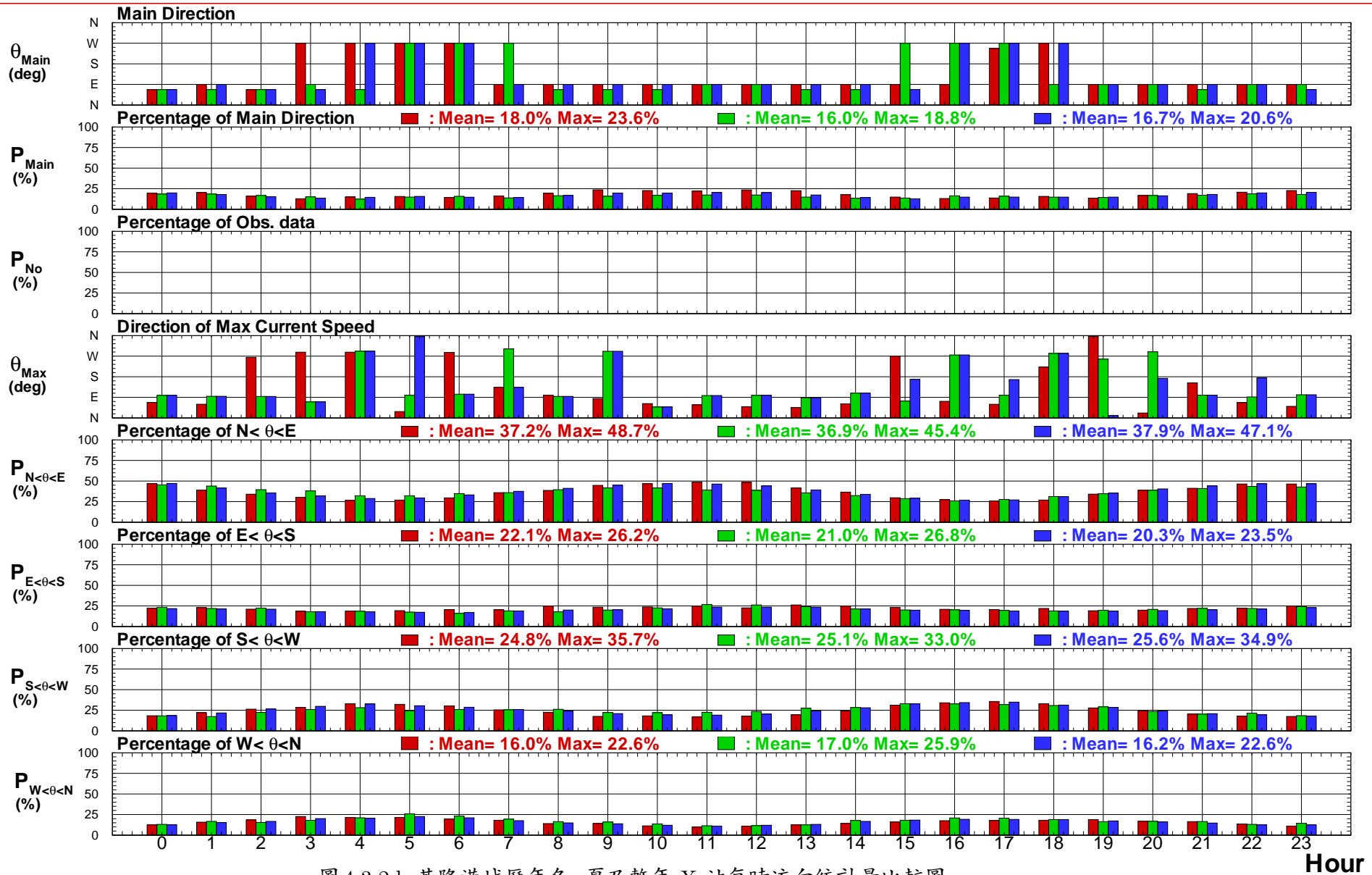


圖 4.3.2d 基隆港域歷年冬, 夏及整年 X 站每時流向統計量比較圖

4-3-8

C440KLX0.TD2 C440KLX0.TD2 C440KLX0.TD2

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STAC1X.BAT(STAC1XH.DAT)

2017/08/16



# Current Speed Statistics of KLX0 at 2014

■ : Winter   ■ : Summer   ■ : Year

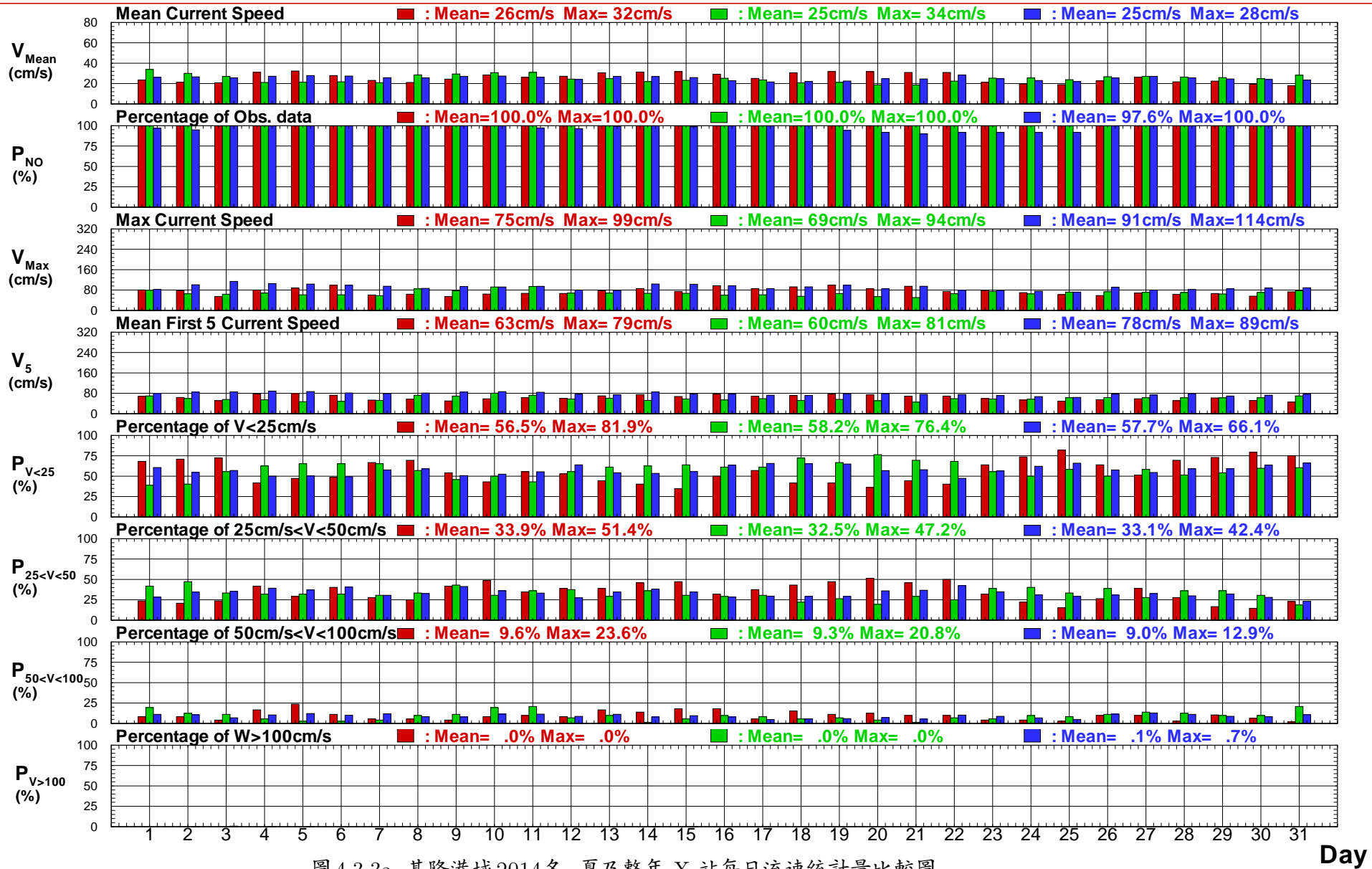


圖 4.3.3a 基隆港域2014冬, 夏及整年 X 站每日流速統計量比較圖

Day

# Current Direction Statistics of KLX0 at 2014

■ : Winter    ■ : Summer    ■ : Year

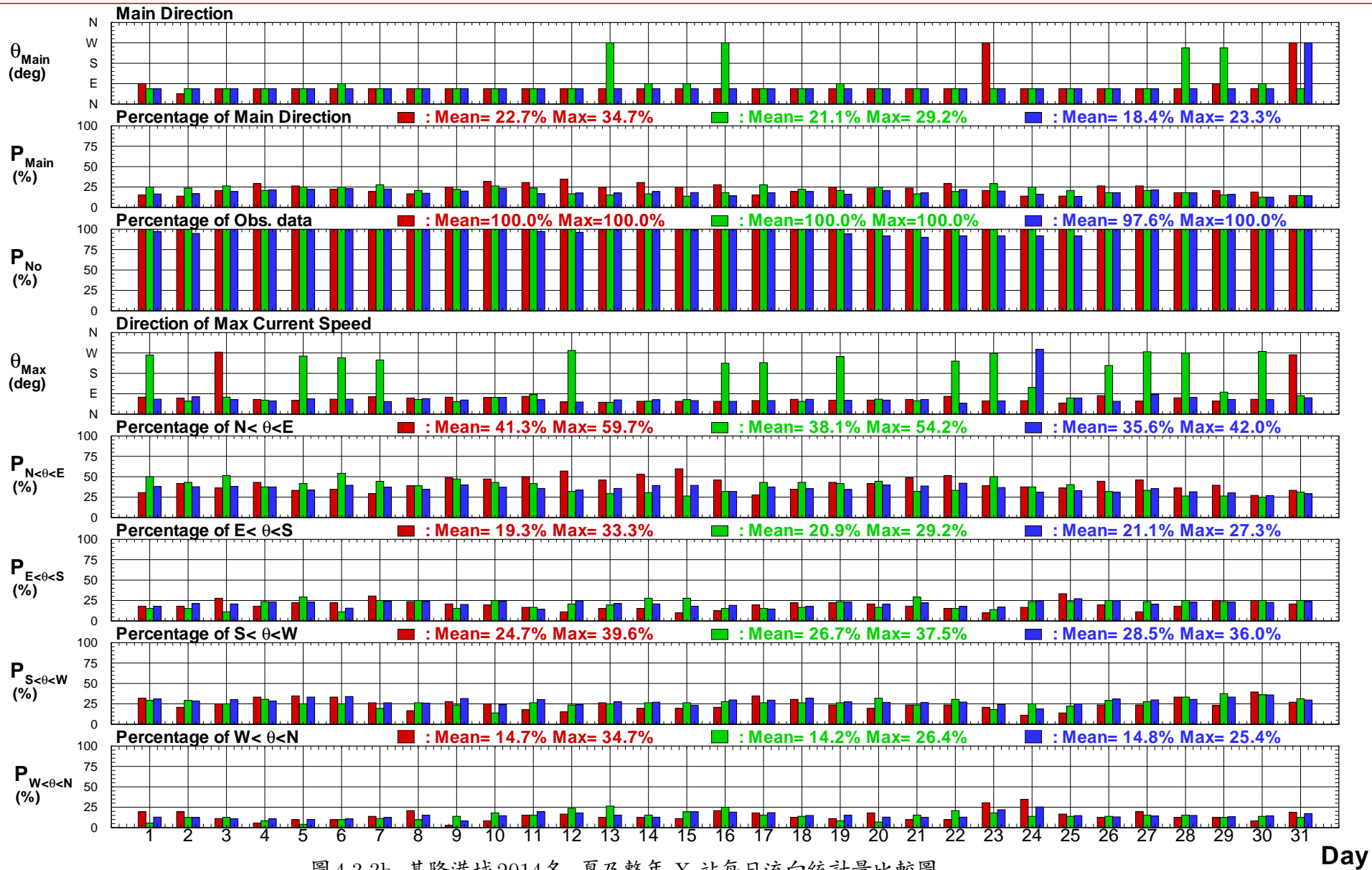


圖 4.3.3b 基隆港域2014冬, 夏及整年 X 站每日流向統計量比較圖

4-3-10

# Current Speed Statistics of KLX0 at Years

■ : Winter    ■ : Summer    ■ : Year

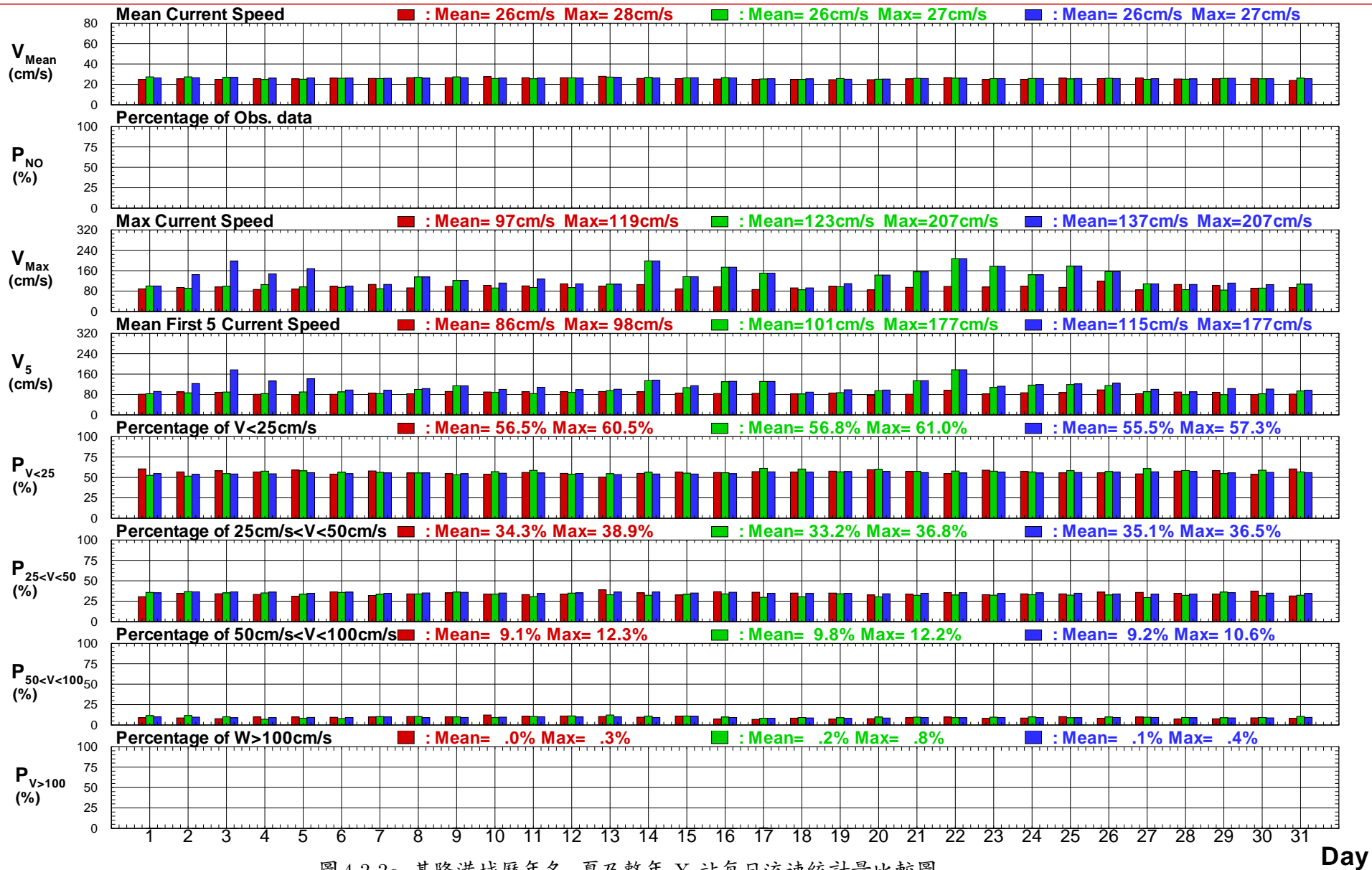


圖 4.3.3c 基隆港域歷年冬, 夏及整年 X 站每日流速統計量比較圖

4-3-11

# Current Direction Statistics of KLX0 at Years

■ : Winter    ■ : Summer    ■ : Year

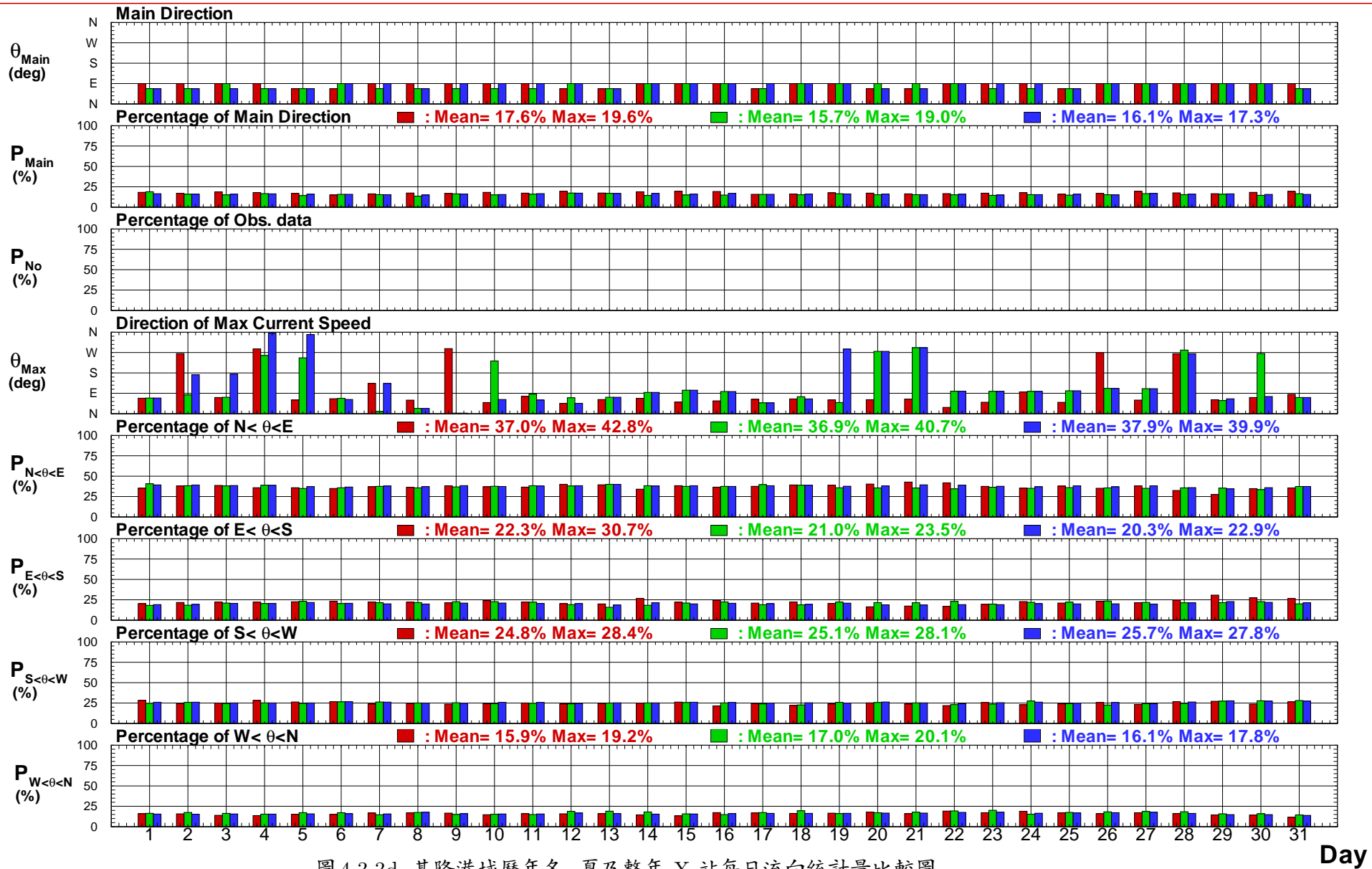


圖 4.3.3d 基隆港域歷年冬, 夏及整年 X 站每日流向統計量比較圖

4-3-12

# Histograms of Current Speed of KLX0

■: 2014

■: Years

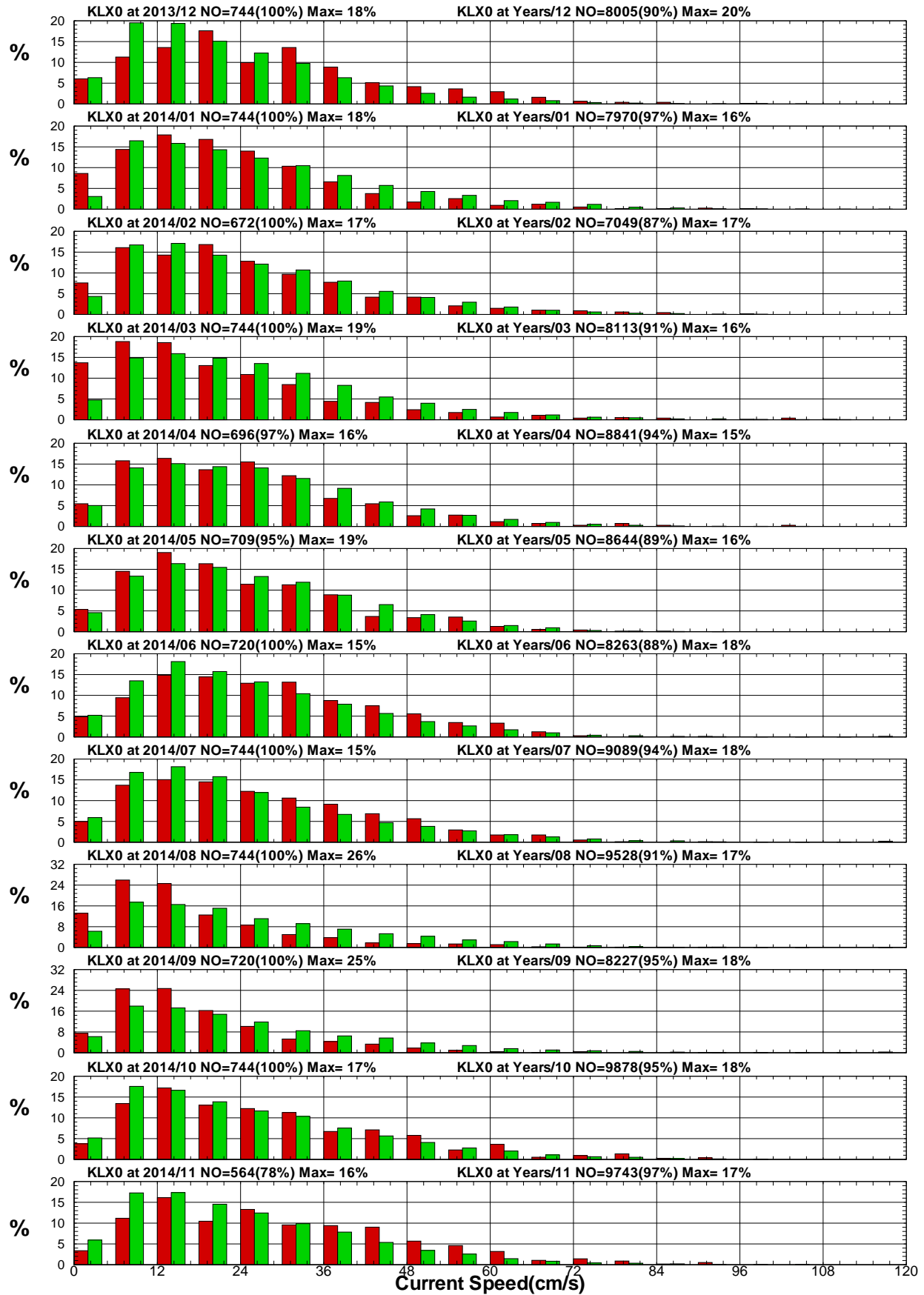


圖 4.3.13a 2014年及歷年基隆港域每月測站 X 流速統計方塊圖

C13CKLX0.ISQ C141KLX0.ISQ C142KLX0.ISQ C143KLX0.ISQ C144KLX0.ISQ C145KLX0.ISQ  
C146KLX0.ISQ C147KLX0.ISQ C148KLX0.ISQ C149KLX0.ISQ C14AKLX0.ISQ C14BKLX0.ISQ

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# Histograms of Current Speed of KLX0

█: 2014

█: Years

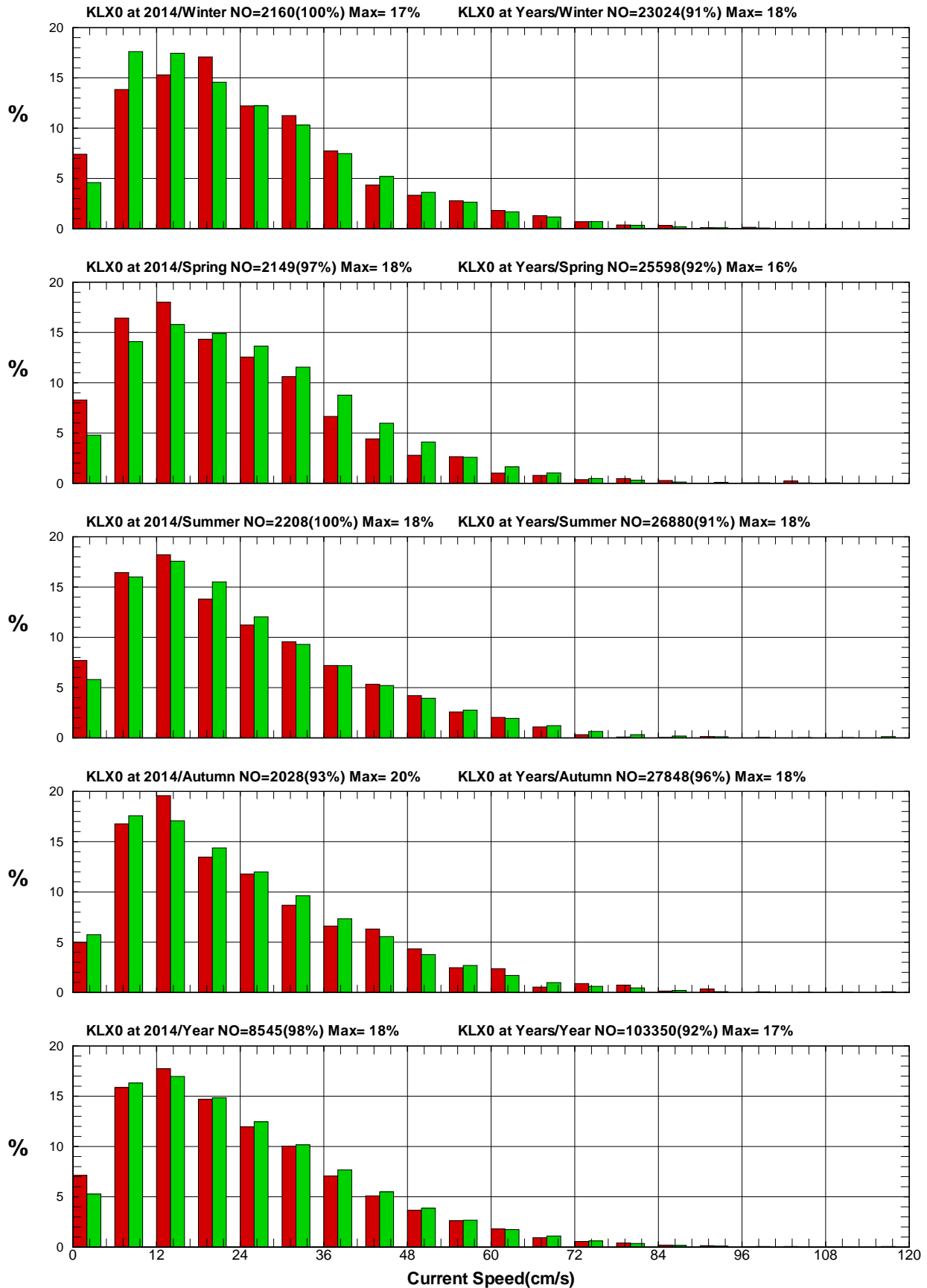


圖 4.3.14b 2014年及歷年基隆港域每季測站 X 流速統計方塊圖

C14WKLX0.ISQ C14NKLX0.ISQ C14SKLX0.ISQ C14FKLX0.ISQ C14OKLX0.ISQ

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# Histograms of Current Direction of KLX0: 2014 █: Years █: Years

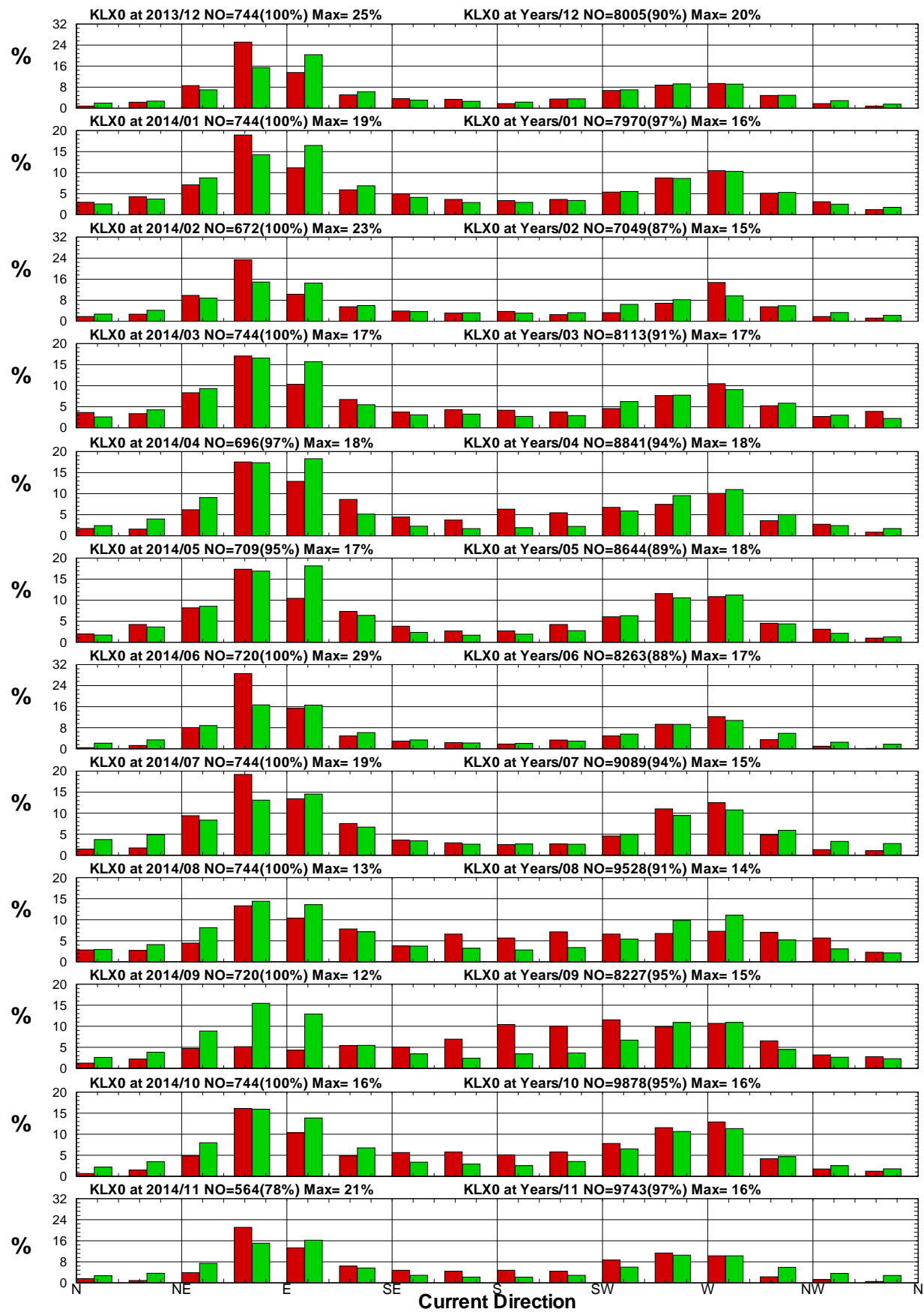


圖 4.3.15c 2014年及歷年基隆港域每月測站 X 流向統計方塊圖

C13CKLX0.IDQ C141KLX0.IDQ C142KLX0.IDQ C143KLX0.IDQ C144KLX0.IDQ C145KLX0.IDQ  
 C146KLX0.IDQ C147KLX0.IDQ C148KLX0.IDQ C149KLX0.IDQ C14AKLX0.IDQ C14BKLX0.IDQ

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# Histograms of Current Direction of KLX0 █: 2014 █: Years

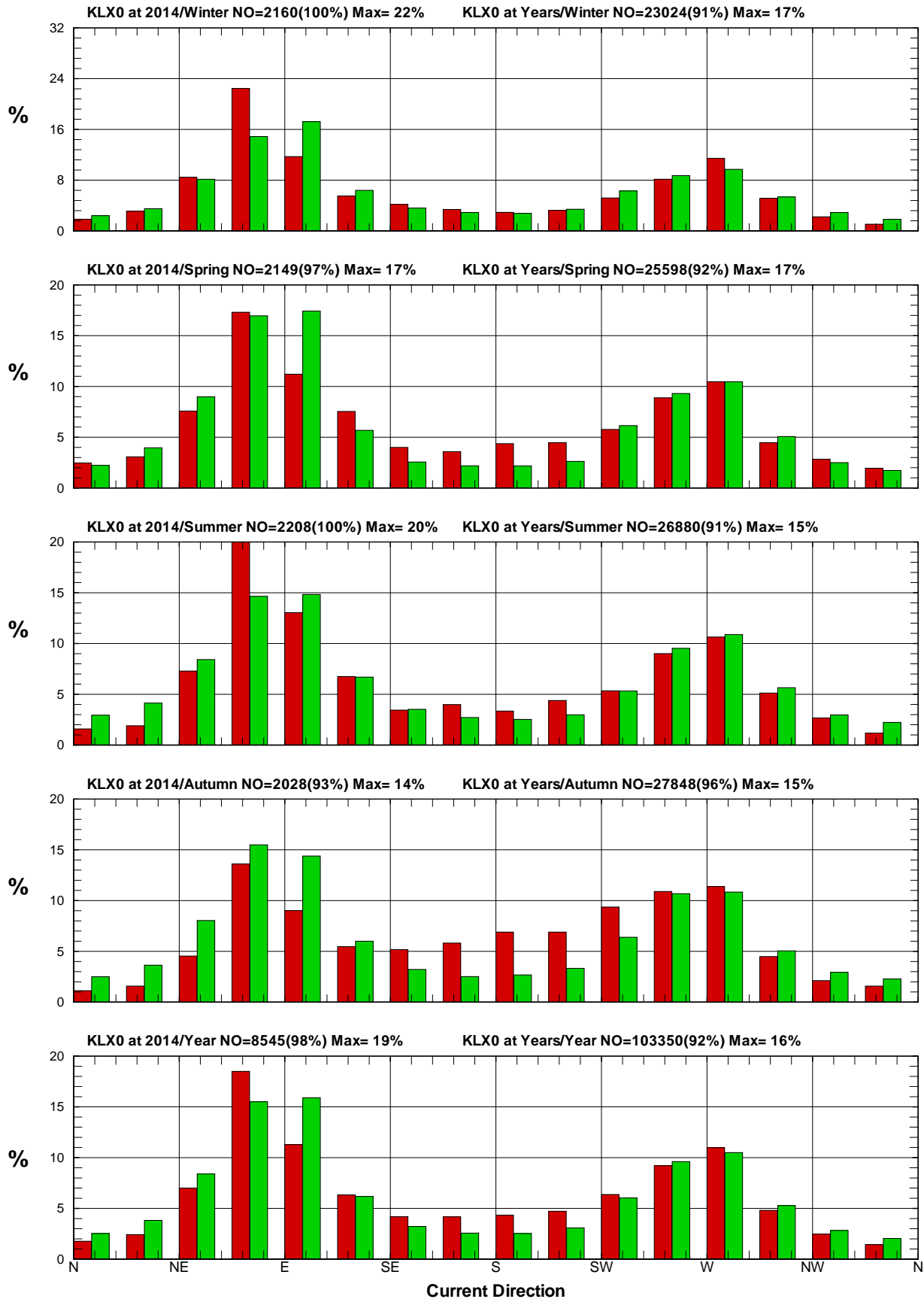


圖 4.3.16d 2014年及歷年基隆港域每季測站 X 流向統計方塊圖

C14WKLX0.IDQ C14NKLX0.IDQ C14SKLX0.IDQ C14FKLX0.IDQ C14OKLX0.IDQ

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# Rose Diagram of Current

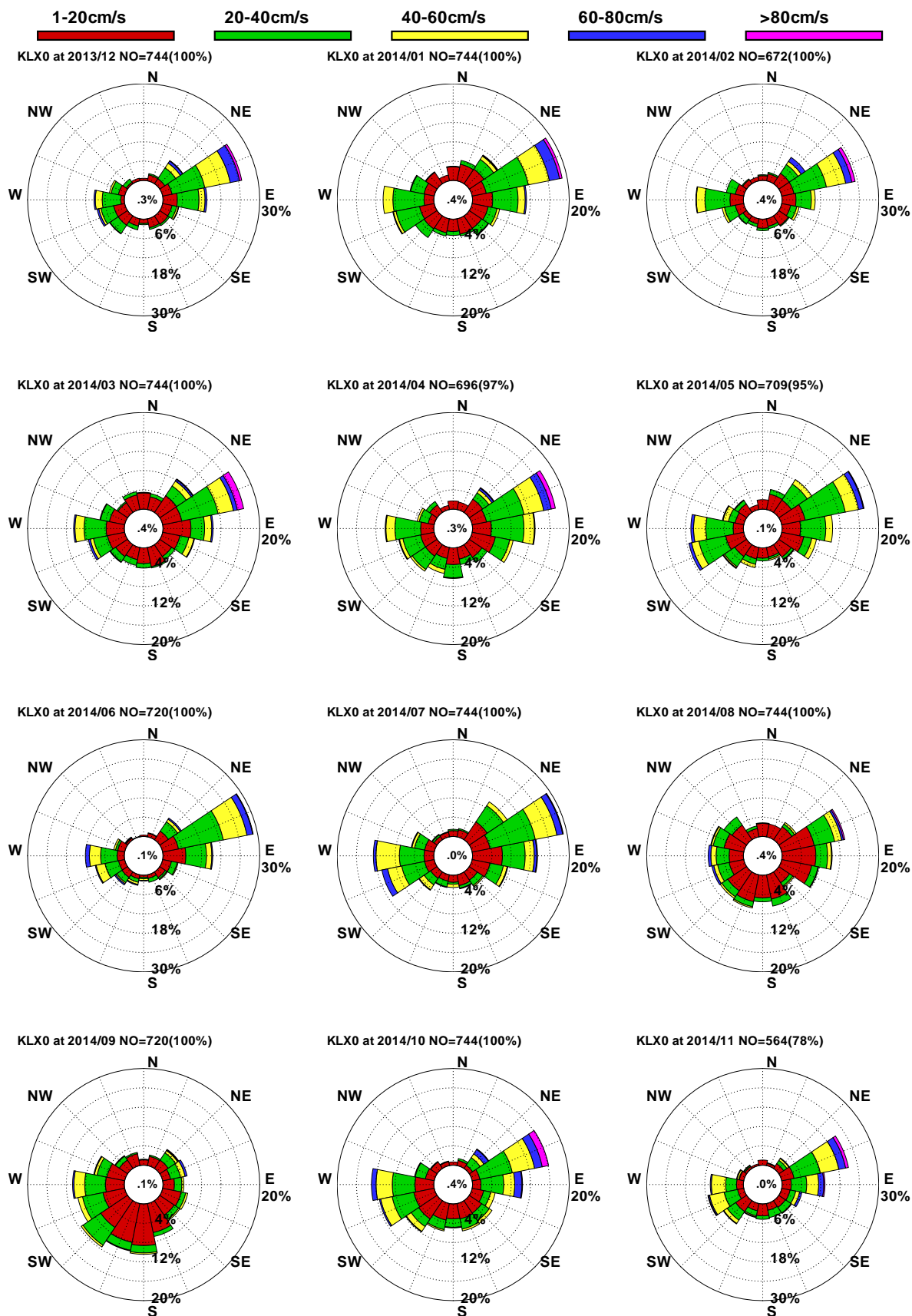


圖 4.3.5a 2014年基隆港域每月測站 X 觀測流玫瑰圖

C13CKLX0.RDB C141KLX0.RDB C142KLX0.RDB C143KLX0.RDB C144KLX0.RDB C145KLX0.RDB  
 C146KLX0.RDB C147KLX0.RDB C148KLX0.RDB C149KLX0.RDB C14AKLX0.RDB C14BKLX0.RDB

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# Rose Diagram of Current

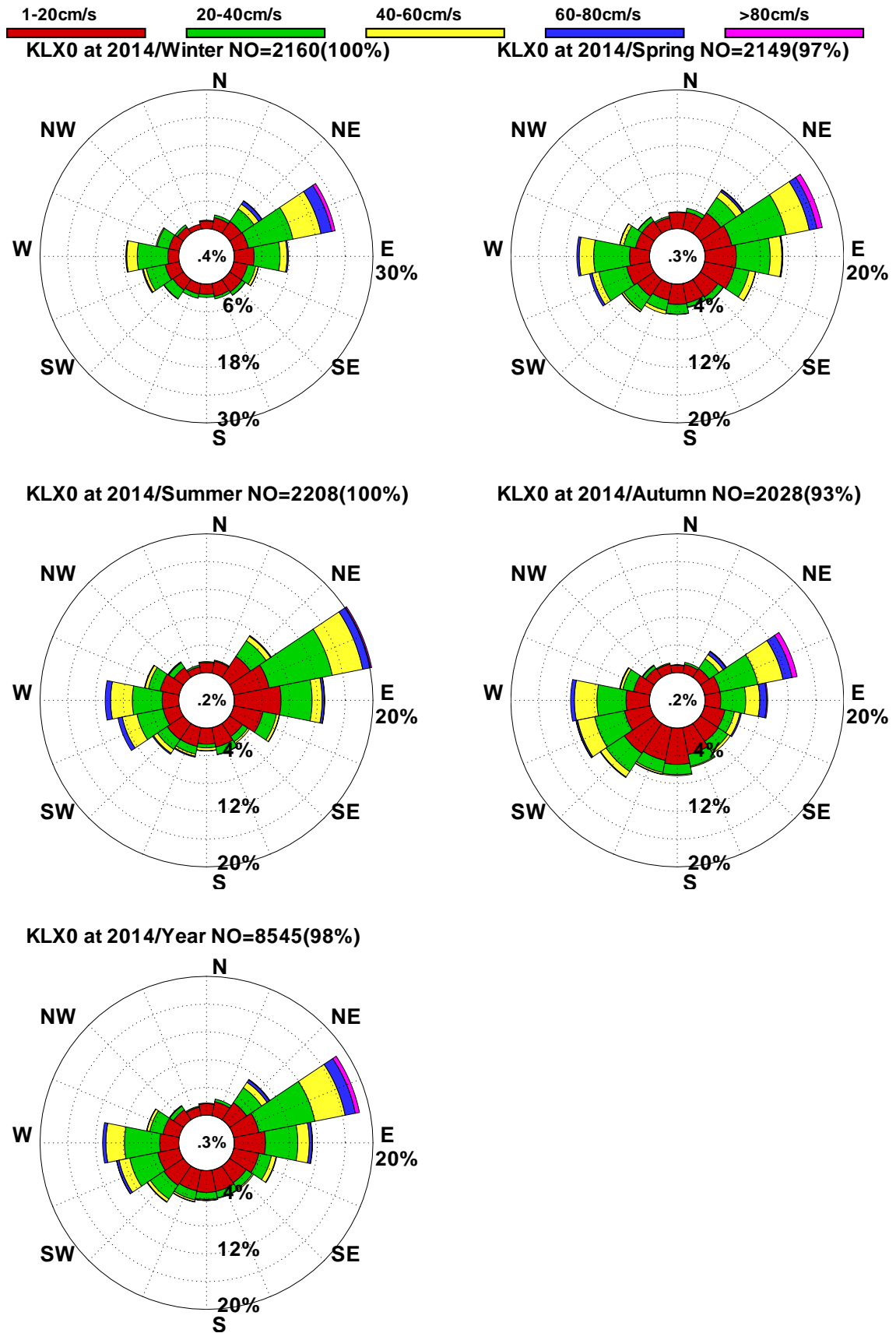


圖 4.3.5b 2014年基隆港域每季測站 X 觀測流玫瑰圖

# Rose Diagram of Current

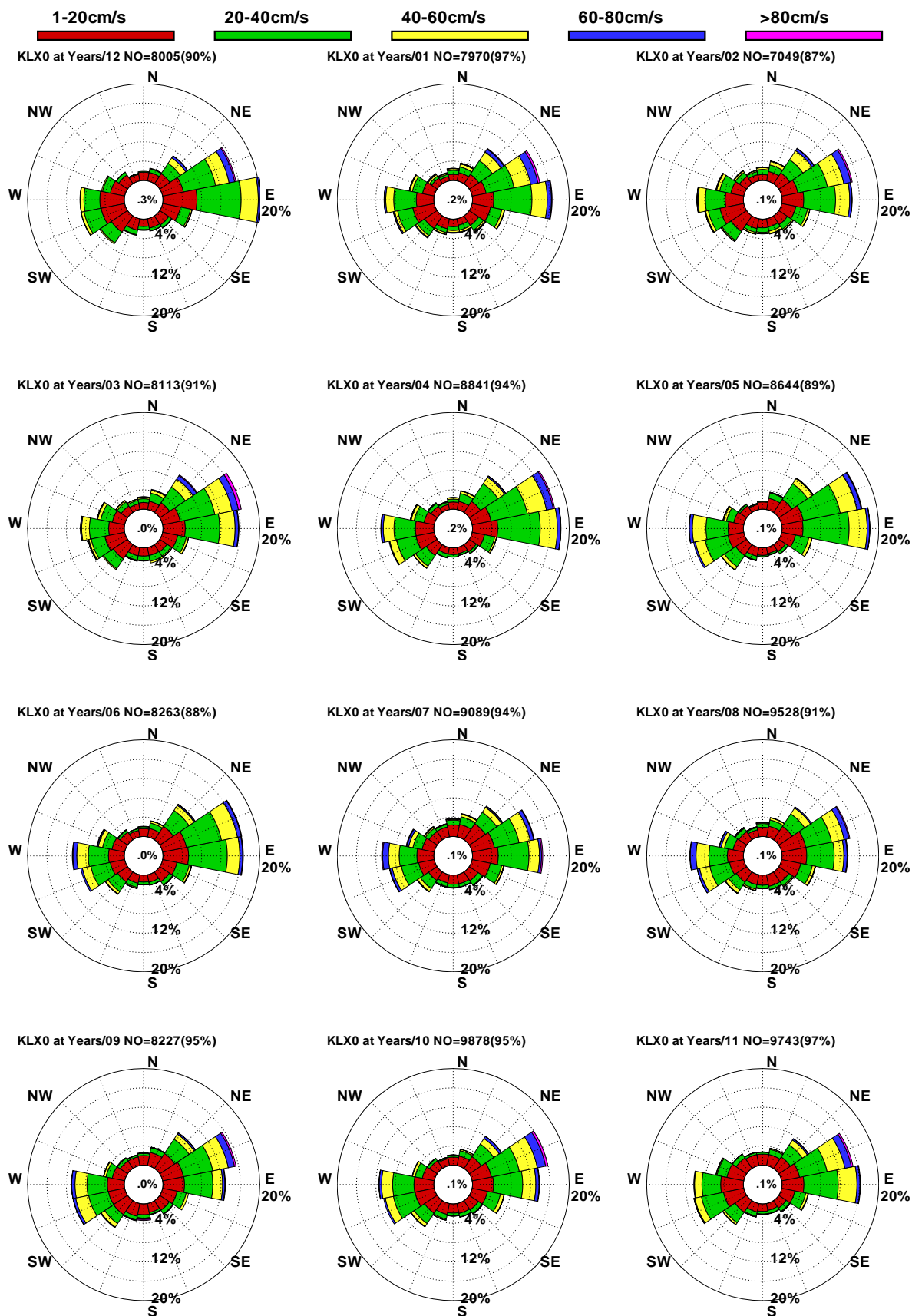


圖 4.3.5c 歷年基隆港域每月測站 X 觀測流玫瑰圖

C44CKLX0.RDB C441KLX0.RDB C442KLX0.RDB C443KLX0.RDB C444KLX0.RDB C445KLX0.RDB  
 C446KLX0.RDB C447KLX0.RDB C448KLX0.RDB C449KLX0.RDB C44AKLX0.RDB C44BKLX0.RDB

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# Rose Diagram of Current

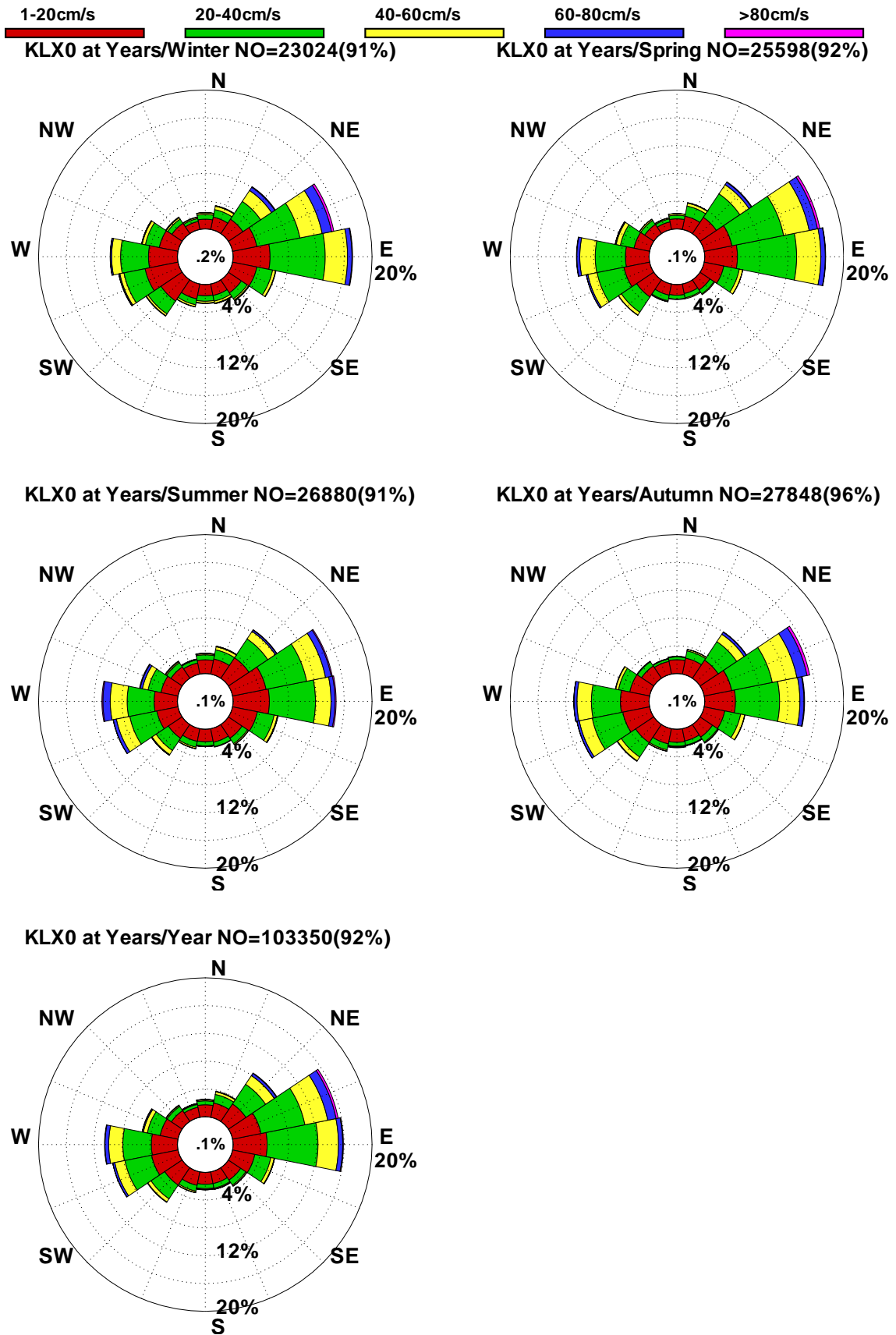


圖 4.3.5d 歷年基隆港域每季測站 X 觀測流玫瑰圖