



| Station               | Height of Station Above M.S.L. | Air Temperature |       |                 |                        |                      |      |      |      | Rainfall   |                  |                        |      |      | Bright Sun—shine |
|-----------------------|--------------------------------|-----------------|-------|-----------------|------------------------|----------------------|------|------|------|------------|------------------|------------------------|------|------|------------------|
|                       |                                | Means of        |       | Mean of A and B | Difference From Normal | Absolute Max and Min |      |      |      | Total Fall | No. of Rain Days | Difference From Normal | Max  |      |                  |
|                       |                                | A Max           | B Min |                 |                        | Max                  | Date | Min  | Date |            |                  |                        | Fall | Date |                  |
| Metres                | °C                             | °C              | °C    | °C              | °C                     | °C                   | °C   | °C   | mm   |            | mm               | mm                     |      | Hrs  |                  |
| Cape Reinga AWS       | 214                            | 15.0            | 10.7  | 12.9            | -0.6                   | 17.0                 | 15   | 6.0  | 10   | 104        | 25               | +20                    | 30   | 26   | ..               |
| Kaitaia Aero EWS      | 80                             | 16.7            | 10.7  | 13.7            | +0.3                   | 19.3                 | 15   | 7.2  | 5    | 136        | 24               | +43                    | 40   | 26   | ..               |
| Kaitaia Observatory   | 85                             | 17.0            | 10.2  | 13.6            | ..                     | 19.4                 | 15   | 7.0  | 10   | 126        | 24               | -2                     | 25   | 26   | ..               |
| Kaitaia EWS           | 85                             | 16.6            | 10.5  | 13.6            | +0.3                   | 18.9                 | 15   | 7.2  | 10   | 128        | 24               | +23                    | 27   | 26   | 170              |
| Kerikeri EWS          | 79                             | 18.2            | 8.2   | 13.2            | +0.1                   | 21.6                 | 14   | 2.8  | 13   | 143        | 20               | -20                    | 29   | 26   | ..               |
| Kerikeri Aerodrome Aw | 150                            | 17.7            | 8.7   | 13.2            | +0.5                   | 21.5                 | 14   | 5.4  | 10   | 184        | 27               | +22                    | 39   | 26   | ..               |
| Kaikohe AWS           | 204                            | 15.5            | 9.2   | 12.4            | +0.1                   | 18.4                 | 14   | 5.1  | 10   | 164        | 25               | +40                    | 18   | 26   | ..               |
| Dargaville 2 EWS      | 66                             | 16.5            | 10.5  | 13.5            | +0.5                   | 21.2                 | 15   | 6.4  | 10   | 152        | 22               | +56                    | 26   | 18   | 155              |
| Purerua AWS           | 82                             | 17.0            | 9.6   | 13.3            | ..                     | 20.5                 | 14   | 6.0  | 10   | 157        | 21               | ..                     | 44   | 26   | ..               |
| Russell CWS           | 15                             | 18.1            | 8.6   | 13.4            | ..                     | 21.4                 | 14   | 5.1  | 20   | 141        | 26               | ..                     | 27   | 26   | ..               |
| Whangarei Aero AWS    | 37                             | 17.7            | 9.8   | 13.8            | +0.4                   | 22.7                 | 25   | 6.6  | 10   | 113        | 20               | +3                     | 22   | 18   | ..               |
| Whangarei EWS         | 12                             | 17.9            | 8.8   | 13.4            | ..                     | 22.7                 | 25   | 5.8  | 20   | 136        | 21               | ..                     | 21   | 27   | 174              |
| Mokohinau AWS         | 60                             | 15.9            | 11.9  | 13.9            | +0.1                   | ..                   | ..   | 7.8  | 12   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Leigh 2 EWS           | 27                             | 17.5            | 10.7  | 14.1            | +0.4                   | 19.9                 | 14   | 7.2  | 10   | 95         | 22               | +0                     | 13   | 6    | ..               |
| Warkworth EWS         | 72                             | 15.9            | 8.2   | 12.1            | -0.1                   | 20.3                 | 26   | 3.4  | 20   | 156        | 21               | +25                    | 30   | 26   | ..               |
| Whangaparaoa AWS      | 89                             | 16.9            | 10.1  | 13.5            | +0.3                   | 20.5                 | 26   | 6.4  | 11   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Auckland, Whenuapai A | 26                             | 16.8            | 9.5   | 13.2            | +0.8                   | 20.9                 | 15   | 4.3  | 20   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Auckland, North Shore | 64                             | 17.1            | 9.8   | 13.5            | ..                     | 20.6                 | 26   | 5.6  | 20   | 129        | 21               | ..                     | 19   | 17   | 191              |
| Auckland, Henderson N | 7                              | 17.9            | 8.9   | 13.4            | +0.7                   | 22.8                 | 15   | 4.2  | 20   | 172        | 23               | +41                    | 34   | 1    | ..               |
| Auckland, Motat EWS   | 16                             | 17.4            | 9.8   | 13.6            | ..                     | 21.0                 | 15   | 4.0  | 20   | 116        | 21               | ..                     | 16   | 17   | 186              |
| Waiheke Island, Awaro | 34                             | 17.3            | 10.3  | 13.8            | ..                     | 20.0                 | 25   | 5.4  | 20   | 124        | 17               | +17                    | 25   | 26   | ..               |
| Whitianga Aero AWS    | 5                              | 17.2            | 9.3   | 13.3            | +1.1                   | 21.0                 | 26   | 3.4  | 20   | 199        | 24               | +30                    | 38   | 26   | ..               |
| Whitianga EWS         | 1                              | 18.1            | 9.1   | 13.6            | ..                     | 21.5                 | 30   | 4.1  | 20   | 259        | 23               | ..                     | 47   | 26   | ..               |
| Thames 2              | 3                              | 17.6            | 9.8   | 13.7            | +1.0                   | 21.8                 | 26   | 3.0  | 30   | 116        | ..               | +20                    | 18   | 26   | ..               |
| Paeroa AWS            | 18                             | 16.6            | 9.0   | 12.8            | +0.5                   | ..                   | ..   | ..   | ..   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Holland Road, Hamilto | 45                             | 16.4            | 8.2   | 12.3            | ..                     | 20.0                 | 15   | 3.3  | 20   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Toenepe EWS           | 48                             | 17.3            | 8.7   | 13.0            | +1.2                   | 20.1                 | 27   | 3.6  | 20   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Matamata, Hinuera EWS | 85                             | 16.2            | 7.2   | 11.7            | +1.0                   | 19.2                 | 23   | 0.9  | 12   | 145        | 18               | ..                     | 23   | 13   | ..               |
| Tauranga CWS          | 3                              | 16.9            | 10.0  | 13.5            | ..                     | 20.0                 | 23   | 4.8  | 12   | 205        | 23               | ..                     | 58   | 1    | ..               |
| Tauranga Aero         | ..                             | ..              | ..    | ..              | ..                     | ..                   | ..   | ..   | ..   | ..         | ..               | ..                     | ..   | ..   | 164              |
| Tauranga Aero AWS     | 4                              | 16.8            | 9.1   | 13.0            | +0.6                   | 20.4                 | 14   | 3.7  | 12   | 185        | 22               | +101                   | 61   | 1    | ..               |
| Te Puke EWS           | 91                             | 16.3            | 8.1   | 12.2            | +0.4                   | 20.4                 | 30   | 3.1  | 11   | 196        | 19               | +70                    | 41   | 1    | ..               |
| Whakatane Aero AWS    | 7                              | 16.7            | 7.6   | 12.2            | +0.6                   | 21.5                 | 14   | 0.5  | 12   | 88         | 20               | -4                     | 17   | 2    | ..               |
| Whakatane Sunshine    | 7                              | ..              | ..    | ..              | ..                     | ..                   | ..   | ..   | ..   | ..         | ..               | ..                     | ..   | ..   | 169              |
| Whakatane EWS         | 1                              | 16.5            | 7.5   | 12.0            | ..                     | 20.9                 | 14   | 1.1  | 11   | 96         | 21               | ..                     | 20   | 2    | ..               |
| White Island AWS      | 310                            | 12.4            | 8.1   | 10.3            | ..                     | 15.2                 | 23   | 5.6  | 11   | 106        | 18               | ..                     | 40   | 2    | ..               |
| Mamaku Radar WXT AWS  | 617                            | 11.1            | 6.2   | 8.7             | ..                     | ..                   | ..   | ..   | ..   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Kawerau AWS           | 42                             | 17.8            | 7.5   | 12.7            | ..                     | 21.5                 | 14   | 0.4  | 12   | ..         | ..               | ..                     | ..   | ..   | 145              |
| Rotorua EWS           | 288                            | 15.0            | 6.8   | 10.9            | ..                     | 18.3                 | 23   | -0.6 | 12   | 128        | 20               | ..                     | 20   | 1    | 132              |
| Rotorua Aero AWS      | 283                            | 14.4            | 6.6   | 10.5            | +0.3                   | 17.8                 | 15   | 0.6  | 12   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Galatea AWS           | 174                            | 15.4            | 6.5   | 11.0            | ..                     | 19.5                 | 14   | -0.3 | 20   | 96         | 22               | ..                     | 36   | 26   | ..               |
| Taupo CWS             | 360                            | 15.2            | 5.9   | 10.6            | ..                     | 19.3                 | 15   | -0.3 | 12   | 162        | 23               | ..                     | 26   | 5    | ..               |
| Tarapounamu EWS       | 701                            | 10.6            | 4.2   | 7.4             | ..                     | ..                   | ..   | -0.9 | 12   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Taupo AWS             | 400                            | 13.8            | 5.4   | 9.6             | +0.5                   | 18.4                 | 15   | -1.1 | 12   | 120        | 18               | +38                    | 23   | 5    | ..               |
| Auckland, Mangere EWS | 5                              | 17.2            | 10.6  | 13.9            | +0.9                   | 19.5                 | 26   | 6.0  | 20   | 97         | 20               | -6                     | 11   | 17   | ..               |
| Auckland Aero         | 7                              | 16.9            | 10.8  | 13.9            | +0.9                   | 19.8                 | 15   | 6.3  | 20   | 98         | 21               | +8                     | 11   | 9    | ..               |
| Auckland Aero Backup  | 7                              | 16.9            | 10.8  | 13.9            | ..                     | 20.0                 | 15   | 6.0  | 20   | 110        | 24               | ..                     | 11   | 9    | ..               |
| Ardmore Aero AWS      | 41                             | 17.3            | 9.3   | 13.3            | ..                     | ..                   | ..   | ..   | ..   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Pukekohe EWS          | 88                             | 16.5            | 9.2   | 12.9            | +0.7                   | 19.6                 | 15   | 5.2  | 20   | 142        | 20               | +31                    | 18   | 8    | ..               |
| Firth Of Thames EWS   | 1                              | 16.7            | 8.8   | 12.8            | ..                     | 19.8                 | 14   | 4.4  | 20   | 114        | 24               | ..                     | 16   | 10   | ..               |
| Whatawhata 2 EWS      | 118                            | 16.2            | 8.8   | 12.5            | +0.9                   | 20.6                 | 28   | 5.0  | 10   | 229        | 23               | +83                    | 30   | 8    | ..               |
| Hamilton, Ruakura 2 E | 45                             | 16.9            | 7.1   | 12.0            | +0.5                   | 20.5                 | 15   | 1.9  | 20   | 169        | 20               | +77                    | 26   | 1    | 152              |
| Hamilton AWS          | 53                             | 16.5            | 7.7   | 12.1            | +0.8                   | ..                   | ..   | 2.2  | 20   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Lake Karapiro CWS     | 55                             | 16.1            | 9.2   | 12.7            | ..                     | 20.4                 | 15   | 4.8  | 12   | 188        | 23               | ..                     | 31   | 13   | ..               |
| Port Taharoa AWS      | 27                             | 15.2            | 10.3  | 12.8            | +0.0                   | 18.5                 | 15   | 5.8  | 4    | ..         | ..               | ..                     | ..   | ..   | ..               |
| Waikeria EWS          | 37                             | 16.7            | 6.7   | 11.7            | ..                     | 20.3                 | 15   | 1.1  | 12   | 186        | 19               | ..                     | 38   | 13   | 134              |
| Te Kuiti EWS          | 62                             | 16.7            | 7.5   | 12.1            | +0.7                   | 21.2                 | 15   | 2.1  | 12   | ..         | ..               | ..                     | ..   | ..   | 141              |
| Pureora Forest CWS    | 549                            | 11.9            | 4.3   | 8.1             | ..                     | 16.7                 | 15   | -1.6 | 12   | 287        | 24               | ..                     | 39   | 26   | ..               |
| Taumarunui EWS        | 170                            | 14.3            | 5.4   | 9.9             | ..                     | 18.4                 | 28   | 0.1  | 12   | 265        | 26               | ..                     | 37   | 26   | ..               |
| Taumarunui AWS        | 195                            | 15.4            | 6.3   | 10.9            | ..                     | 19.5                 | 15   | 0.1  | 12   | ..         | ..               | ..                     | ..   | ..   | 129              |
| Turangi 2 EWS         | 350                            | 14.1            | 4.6   | 9.4             | +0.1                   | 19.3                 | 15   | -2.2 | 5    | 188        | 22               | +48                    | 34   | 5    | 129              |
| New Plymouth AWS      | 30                             | 15.1            | 8.8   | 12.0            | +0.5                   | 18.5                 | 28   | 3.9  | 5    | 139        | 25               | +19                    | 13   | 17   | 177              |
| Lower Retaruke CWS    | 233                            | 14.6            | 6.3   | 10.5            | ..                     | 18.7                 | 15   | 0.6  | 12   | 261        | 25               | +108                   | 38   | 26   | ..               |

| Station               | Height of Station Above M.S.L. | Air Temperature |       |                 |                        |                      |      |      |      | Rainfall   |                  |                        |      |      | Bright Sun—shine |
|-----------------------|--------------------------------|-----------------|-------|-----------------|------------------------|----------------------|------|------|------|------------|------------------|------------------------|------|------|------------------|
|                       |                                | Means of        |       | Mean of A and B | Difference From Normal | Absolute Max and Min |      |      |      | Total Fall | No. of Rain Days | Difference From Normal | Max  |      |                  |
|                       |                                | A Max           | B Min |                 |                        | Max                  | Date | Min  | Date |            |                  |                        | Fall | Date |                  |
| Metres                | °C                             | °C              | °C    | °C              | °C                     | °C                   | °C   | °C   | mm   | mm         | mm               | mm                     | Hrs  |      |                  |
| Mt Ruapehu, Chateau E | 1097                           | 8.5             | 1.1   | 4.8             | -0.1                   | 13.7                 | 23   | -2.9 | 5    | 404        | 26               | +133                   | 50   | 26   | ..               |
| Pahiatua EWS          | 110                            | 14.9            | 7.3   | 11.1            | ..                     | 20.7                 | 15   | -0.5 | 12   | 149        | 25               | ..                     | 23   | 21   | ..               |
| Masterton Aero AWS    | 138                            | 15.4            | 6.3   | 10.9            | ..                     | 20.7                 | 15   | -0.5 | 5    | 74         | 22               | ..                     | 15   | 21   | ..               |
| Masterton EWS         | 90                             | 15.5            | 6.0   | 10.8            | ..                     | 20.7                 | 15   | -0.4 | 12   | 69         | 18               | ..                     | 23   | 21   | 161              |
| Masterton, Te Ore Ore | 110                            | 16.5            | 7.3   | 11.9            | ..                     | 22.7                 | 24   | 0.8  | 5    | 70         | 18               | -3                     | 23   | 21   | ..               |
| Kopua                 | 311                            | 15.2            | 6.6   | 10.9            | +0.9                   | 23.2                 | 15   | -0.2 | 12   | 60         | 19               | -26                    | 26   | 21   | ..               |
| Takapau Plains AWS    | 330                            | 14.3            | 5.9   | 10.1            | +0.5                   | 22.2                 | 15   | 0.1  | 5    | 69         | 21               | ..                     | 28   | 21   | ..               |
| Dannevirke EWS        | 207                            | 14.9            | 7.7   | 11.3            | ..                     | 22.5                 | 15   | 0.8  | 5    | 100        | 20               | ..                     | 28   | 21   | 140              |
| Cape Turnagain AWS    | 292                            | 12.6            | 8.3   | 10.5            | ..                     | 20.8                 | 15   | 4.5  | 11   | 58         | 17               | ..                     | 28   | 21   | ..               |
| Akitio EWS            | 245                            | 13.8            | 7.8   | 10.8            | ..                     | 21.6                 | 15   | 3.4  | 12   | 68         | 15               | ..                     | 34   | 21   | 165              |
| Castlepoint AWS       | 120                            | 14.6            | 9.2   | 11.9            | +0.3                   | 20.8                 | 15   | 5.0  | 12   | 98         | 16               | +40                    | 46   | 21   | ..               |
| Baring Head           | 79                             | 14.2            | 8.6   | 11.4            | ..                     | 19.9                 | 2    | 4.9  | 12   | 60         | 15               | ..                     | 20   | 21   | ..               |
| Te Wharau, Brackenfie | 292                            | 14.5            | 6.1   | 10.3            | ..                     | 19.2                 | 15   | 0.2  | 5    | 122        | 17               | ..                     | 39   | 21   | ..               |
| Martinborough EWS     | 20                             | 14.9            | 7.2   | 11.1            | +0.4                   | 18.7                 | 24   | 0.9  | 5    | 54         | 17               | ..                     | 19   | 21   | 123              |
| Ngawi AWS             | 6                              | 15.0            | 10.0  | 12.5            | +0.0                   | 19.7                 | 24   | 6.2  | 19   | 93         | 15               | ..                     | 29   | 21   | ..               |
| Hicks Bay AWS         | 46                             | 16.5            | 9.9   | 13.2            | +0.6                   | 19.6                 | 14   | 3.8  | 12   | 165        | 26               | +70                    | 39   | 2    | ..               |
| Gisborne AWS          | 5                              | 17.4            | 8.6   | 13.0            | +0.9                   | 23.8                 | 15   | 2.5  | 11   | 125        | 14               | +53                    | 60   | 2    | 201              |
| Gisborne EWS          | 12                             | 17.7            | 8.4   | 13.1            | ..                     | 23.8                 | 14   | 2.2  | 12   | 141        | 13               | ..                     | 85   | 2    | ..               |
| Tolaga Bay WXT AWS    | 12                             | 17.0            | 9.0   | 13.0            | ..                     | 25.8                 | 15   | 4.0  | 21   | 75         | 21               | ..                     | 22   | 2    | ..               |
| Tutira CWS            | 235                            | 15.4            | 7.0   | 11.2            | ..                     | 21.2                 | 14   | 1.6  | 5    | 84         | 18               | ..                     | 30   | 2    | ..               |
| Napier Aero AWS       | 3                              | 17.7            | 7.8   | 12.8            | +1.2                   | 24.1                 | 15   | 2.5  | 5    | 25         | 13               | -24                    | 5    | 22   | ..               |
| Napier EWS            | 7                              | 18.5            | 8.3   | 13.4            | ..                     | ..                   | ..   | ..   | ..   | 20         | 9                | ..                     | 6    | 19   | 191              |
| Fernhill, Substation  | 30                             | 17.8            | 7.1   | 12.5            | ..                     | 26.1                 | 25   | 0.6  | 12   | 14         | 10               | ..                     | 5    | 22   | ..               |
| Hastings AWS          | 16                             | 18.5            | 7.4   | 13.0            | ..                     | 26.6                 | 25   | 0.2  | 12   | 22         | 16               | ..                     | 7    | 22   | ..               |
| Whakatu EWS           | 5                              | 18.1            | 6.4   | 12.3            | +1.6                   | 26.0                 | 25   | 0.2  | 12   | 12         | 12               | ..                     | 3    | 21   | ..               |
| Ashcott Road CWS      | 212                            | 15.8            | 6.4   | 11.1            | ..                     | 23.3                 | 15   | -0.7 | 5    | 51         | 14               | ..                     | 28   | 21   | ..               |
| Waipawa EWS           | 130                            | 16.9            | 5.6   | 11.3            | ..                     | 23.8                 | 15   | -1.6 | 12   | 32         | 15               | ..                     | 10   | 21   | 176              |
| Wairoa, North Clyde E | 15                             | 18.2            | 8.5   | 13.4            | +1.5                   | 25.4                 | 15   | 2.6  | 12   | 110        | 13               | +22                    | 60   | 2    | ..               |
| Wairoa Aero AWS       | 13                             | 17.0            | 7.3   | 12.2            | ..                     | 24.9                 | 15   | 0.8  | 12   | 136        | 15               | ..                     | 68   | 2    | ..               |
| Mahia Radar WXT AWS   | 419                            | 13.2            | 8.3   | 10.8            | ..                     | ..                   | ..   | ..   | ..   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Mahia AWS             | 136                            | 15.6            | 9.6   | 12.6            | +0.8                   | 22.0                 | 25   | 6.1  | 12   | 181        | 14               | +116                   | 55   | 2    | ..               |
| Cape Kidnappers WXT A | 118                            | 15.1            | 10.4  | 12.8            | ..                     | 20.7                 | 15   | 6.0  | 12   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Paraparaumu Aero      | 5                              | 15.2            | 8.2   | 11.7            | +0.6                   | 17.5                 | 30   | 2.1  | 19   | 97         | 15               | +11                    | 20   | 17   | 144              |
| Paraparaumu Aero AWS  | 5                              | 15.0            | 8.2   | 11.6            | +0.6                   | 17.4                 | 30   | 2.2  | 19   | 87         | 14               | -2                     | 19   | 17   | 171              |
| Paraparaumu EWS       | 5                              | 15.0            | 7.9   | 11.5            | ..                     | 17.3                 | 30   | 2.1  | 19   | 89         | 13               | +0                     | 20   | 17   | 121              |
| Ohakea AWS            | 50                             | 15.4            | 8.2   | 11.8            | ..                     | 21.2                 | 15   | 4.0  | 12   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Palmerston North AWS  | 39                             | 15.7            | 7.9   | 11.8            | +0.9                   | 20.9                 | 15   | 1.9  | 12   | 125        | 25               | +40                    | 28   | 8    | ..               |
| Palmerston North EWS  | 21                             | 15.3            | 7.6   | 11.5            | +0.5                   | 20.1                 | 15   | 1.2  | 12   | 114        | 21               | +28                    | 23   | 8    | 107              |
| Levin AWS             | 14                             | 15.4            | 8.1   | 11.8            | +0.8                   | 18.5                 | 15   | 1.7  | 4    | 113        | 21               | +11                    | 24   | 8    | ..               |
| Levin EWS             | 23                             | 15.4            | 7.6   | 11.5            | ..                     | 18.2                 | 15   | 1.2  | 4    | 131        | 18               | ..                     | 28   | 8    | 168              |
| Mana Island AWS       | 100                            | 12.8            | 9.0   | 10.9            | ..                     | 15.5                 | 27   | 6.0  | 19   | 54         | 12               | ..                     | 16   | 17   | ..               |
| Porirua, Elsdon Park  | 7                              | 14.8            | 8.4   | 11.6            | ..                     | 17.8                 | 27   | ..   | ..   | 85         | 20               | ..                     | 26   | 17   | ..               |
| Wellington, Kelburn   | 125                            | ..              | ..    | ..              | ..                     | ..                   | ..   | ..   | ..   | ..         | ..               | ..                     | ..   | ..   | 138              |
| Wellington, Kelburn A | 125                            | 13.8            | 8.8   | 11.3            | +0.5                   | 16.7                 | 24   | 5.3  | 12   | 79         | 17               | -19                    | 23   | 17   | ..               |
| Wellington Aero       | 4                              | 14.5            | 9.7   | 12.1            | +0.5                   | 17.4                 | 24   | 6.0  | 12   | 76         | 20               | +1                     | 18   | 17   | ..               |
| Wellington, Greta Poi | 3                              | 15.2            | 9.8   | 12.5            | ..                     | 19.5                 | 20   | 6.7  | 19   | 63         | 16               | ..                     | 19   | 17   | ..               |
| Wellington Aero Backu | 4                              | 14.5            | 9.8   | 12.2            | ..                     | 17.0                 | 15   | 6.0  | 8    | 74         | 16               | ..                     | 18   | 17   | ..               |
| Upper Hutt, Trentham  | 50                             | 14.1            | 6.1   | 10.1            | ..                     | 16.5                 | 15   | -0.6 | 12   | 136        | 19               | ..                     | 46   | 25   | 127              |
| Stratford EWS         | 300                            | 13.0            | 6.0   | 9.5             | -0.1                   | 17.0                 | 14   | 1.8  | 5    | 301        | 20               | +120                   | 54   | 26   | 134              |
| Hawera AWS            | 98                             | 14.3            | 7.7   | 11.0            | +0.5                   | 17.8                 | 14   | 2.9  | 4    | 158        | 25               | +64                    | 25   | 8    | ..               |
| Ohakune EWS           | 607                            | 11.7            | 4.2   | 8.0             | -0.1                   | 16.5                 | 15   | -1.7 | 5    | 221        | 25               | +79                    | 35   | 26   | 104              |
| Waiouru Treatment Pla | 806                            | 11.2            | 2.5   | 6.9             | +0.2                   | 17.0                 | 15   | -1.8 | 12   | 121        | 23               | +29                    | 16   | 26   | ..               |
| Waiouru Airstrip AWS  | 818                            | 10.7            | 2.7   | 6.7             | ..                     | 16.9                 | 25   | -2.7 | 12   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Waiouru EWS           | 806                            | 11.1            | 3.0   | 7.1             | ..                     | 18.4                 | 6    | -1.6 | 12   | 128        | 28               | ..                     | 16   | 26   | ..               |
| Taihape Rec           | 433                            | 14.3            | 4.7   | 9.5             | +0.4                   | 21.5                 | 15   | 0.0  | 12   | 96         | 22               | +20                    | 17   | 7    | ..               |
| Flat Hills WXT AWS    | 263                            | 14.0            | 7.4   | 10.7            | ..                     | 19.7                 | 15   | 3.1  | 12   | 98         | 22               | +1                     | 15   | 26   | ..               |
| Wanganui,Spriggens Pa | 15                             | 16.3            | 9.1   | 12.7            | +0.8                   | 22.1                 | 15   | 4.9  | 19   | 94         | 18               | +20                    | 25   | 8    | ..               |
| Wanganui AWS          | 8                              | 15.5            | 8.9   | 12.2            | +0.6                   | 20.7                 | 15   | 4.2  | 19   | 104        | 18               | +25                    | 26   | 8    | ..               |
| Wanganui 2 AWS        | 18                             | 16.6            | 8.7   | 12.7            | ..                     | 22.0                 | 15   | 4.0  | 12   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Takaka EWS            | 20                             | 15.9            | 5.5   | 10.7            | +0.4                   | 22.0                 | 24   | 0.6  | 12   | 163        | 21               | -34                    | 40   | 25   | 175              |
| Farewell Spit AWS     | 3                              | 15.6            | 9.6   | 12.6            | +0.8                   | 18.5                 | 24   | ..   | ..   | 128        | 20               | -10                    | 43   | 25   | ..               |
| Westport Aero AWS     | 2                              | 14.7            | 7.5   | 11.1            | +0.4                   | 19.2                 | 19   | 3.8  | 4    | 236        | 21               | +52                    | 61   | 25   | ..               |
| Westport EWS          | 6                              | 14.5            | 7.4   | 11.0            | ..                     | 19.2                 | 19   | 3.1  | 4    | 267        | 20               | ..                     | 73   | 25   | 168              |

| Station               | Height of Station Above M.S.L. | Air Temperature |       |                 |                        |                      |      |      |      | Rainfall   |                  |                        |      |      | Bright Sun—shine |
|-----------------------|--------------------------------|-----------------|-------|-----------------|------------------------|----------------------|------|------|------|------------|------------------|------------------------|------|------|------------------|
|                       |                                | Means of        |       | Mean of A and B | Difference From Normal | Absolute Max and Min |      |      |      | Total Fall | No. of Rain Days | Difference From Normal | Max  |      |                  |
|                       |                                | A Max           | B Min |                 |                        | Max                  | Date | Min  | Date |            |                  |                        | Fall | Date |                  |
| Metres                | °C                             | °C              | °C    | °C              | °C                     | °C                   | °C   | °C   | mm   | mm         | mm               | mm                     | Hrs  |      |                  |
| Arapito EWS           | 18                             | 15.4            | 7.2   | 11.3            | ..                     | 17.8                 | 27   | 3.4  | 11   | 306        | 24               | ..                     | 54   | 15   | 126              |
| Hokitika Aero         | 39                             | 14.4            | 6.2   | 10.3            | +0.4                   | 19.5                 | 19   | 0.5  | 3    | 294        | 19               | +34                    | 42   | 6    | 132              |
| Hokitika AWS          | 38                             | 14.3            | 6.1   | 10.2            | +0.3                   | 19.2                 | 19   | 0.5  | 3    | 305        | 20               | +84                    | 44   | 6    | 160              |
| Hokitika EWS          | 39                             | 14.5            | 6.0   | 10.3            | ..                     | 19.6                 | 19   | 0.3  | 3    | 282        | 19               | ..                     | 42   | 6    | ..               |
| Reefton EWS           | 198                            | 14.6            | 5.1   | 9.9             | +0.4                   | 19.8                 | 22   | -1.6 | 3    | 284        | 21               | +107                   | 46   | 17   | 121              |
| Greymouth Aero EWS    | 5                              | 14.1            | 7.1   | 10.6            | ..                     | 19.3                 | 19   | 3.0  | 4    | 236        | 19               | ..                     | 27   | 8    | 147              |
| Pigeon Creek CWS      | 105                            | 14.0            | 6.4   | 10.2            | ..                     | 18.9                 | 22   | 0.5  | 4    | 451        | 20               | ..                     | 53   | 17   | ..               |
| Mt Philistine EWS     | 1655                           | 1.7             | -2.5  | -0.4            | ..                     | 5.8                  | 25   | -6.4 | 10   | 96         | 21               | ..                     | 23   | 25   | ..               |
| Mahanga EWS           | 1995                           | 1.2             | -4.3  | -1.6            | ..                     | 5.8                  | 14   | -9.1 | 11   | 301        | 20               | ..                     | 146  | 25   | ..               |
| Ivory Glacier CWS     | 1390                           | 6.7             | -0.6  | 3.1             | ..                     | 13.9                 | 10   | -5.7 | 12   | 156        | 12               | ..                     | 46   | 5    | ..               |
| Okarito               | 2                              | 14.2            | 5.7   | 10.0            | +0.1                   | ..                   | ..   | 0.3  | 12   | 247        | 18               | -40                    | 41   | 15   | ..               |
| Franz Josef EWS       | 80                             | 13.6            | 4.5   | 9.1             | +0.1                   | 19.0                 | 19   | -1.3 | 12   | 348        | 21               | ..                     | 70   | 15   | ..               |
| Haast AWS             | 5                              | 13.6            | 6.2   | 9.9             | +0.7                   | ..                   | ..   | ..   | ..   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Milford Sound         | 3                              | 13.8            | 4.7   | 9.3             | +0.7                   | 18.2                 | 24   | -0.3 | 12   | 641        | 20               | +90                    | 102  | 14   | ..               |
| Milford Sound AWS     | 3                              | 13.5            | 4.7   | 9.1             | +0.5                   | 18.0                 | 19   | -0.3 | 12   | 683        | 21               | ..                     | 97   | 14   | ..               |
| Castle Mount EWS      | 2000                           | 1.2             | -4.5  | -1.7            | ..                     | 6.1                  | 24   | -9.6 | 9    | 792        | 21               | ..                     | 316  | 24   | ..               |
| Secretary Island AWS  | 19                             | 13.3            | 7.9   | 10.6            | +0.5                   | 17.8                 | 1    | 4.5  | 9    | 541        | 23               | +202                   | 64   | 14   | ..               |
| Puysegur Point AWS    | 44                             | 12.5            | 7.3   | 9.9             | +0.4                   | 20.3                 | 24   | 2.0  | 3    | ..         | ..               | ..                     | ..   | ..   | ..               |
| Motueka, Riwaka EWS   | 8                              | 16.3            | 5.6   | 11.0            | +0.7                   | 23.1                 | 24   | 0.7  | 12   | 92         | 18               | -30                    | 30   | 20   | ..               |
| Pelorus Sd, Crail Bay | 13                             | 15.8            | 8.3   | 12.1            | +0.6                   | 20.2                 | 27   | 3.0  | 12   | 235        | 21               | +77                    | 69   | 25   | ..               |
| Nelson Aero           | 2                              | 15.4            | 7.2   | 11.3            | +0.9                   | 19.6                 | 24   | 2.1  | 10   | 84         | 17               | -1                     | 20   | 17   | 173              |
| Appleby 2 EWS         | 18                             | 15.1            | 5.2   | 10.2            | -0.2                   | 19.8                 | 24   | -0.7 | 12   | 88         | 16               | ..                     | 16   | 17   | 187              |
| Richmond EWS          | 1                              | 16.0            | 6.8   | 11.4            | ..                     | 19.5                 | 24   | 1.2  | 12   | 77         | 17               | ..                     | 19   | 17   | 203              |
| Nelson AWS            | 4                              | 15.2            | 7.0   | 11.1            | +0.5                   | 19.3                 | 24   | 1.7  | 12   | 86         | 20               | ..                     | 20   | 17   | ..               |
| Blenheim Research EWS | 4                              | 16.7            | 7.2   | 12.0            | +1.0                   | 24.4                 | 24   | 1.4  | 3    | 50         | 13               | -5                     | 17   | 18   | 183              |
| Wairau Valley, Mill R | 172                            | 15.7            | 6.5   | 11.1            | ..                     | 22.1                 | 24   | 0.3  | 3    | 94         | 17               | ..                     | 22   | 17   | ..               |
| Blenheim Aero AWS     | 35                             | 16.2            | 5.7   | 11.0            | +0.7                   | 23.4                 | 24   | -0.7 | 3    | 62         | 15               | -4                     | 15   | 18   | ..               |
| Brothers Island AWS   | 68                             | 13.9            | 10.1  | 12.0            | +0.4                   | 18.1                 | 12   | 7.5  | 12   | 53         | 13               | ..                     | 11   | 25   | ..               |
| Grassmere Salt Works  | 2                              | 15.7            | 8.5   | 12.1            | +0.5                   | 23.5                 | 24   | 2.9  | 11   | 66         | 11               | +25                    | 26   | 18   | ..               |
| Cape Campbell AWS     | 2                              | 13.4            | 9.2   | 11.3            | +0.2                   | 17.4                 | 25   | 6.2  | 11   | 61         | 11               | +22                    | 26   | 21   | ..               |
| Boyle River Lodge     | 600                            | 12.3            | 3.8   | 8.1             | +0.6                   | ..                   | ..   | ..   | ..   | 367        | ..               | +184                   | 91   | 25   | ..               |
| Hanmer Forest EWS     | 363                            | 15.6            | 2.4   | 9.0             | +0.7                   | 23.0                 | 24   | -3.0 | 12   | 214        | 18               | +134                   | 126  | 18   | ..               |
| Kaikoura, Middle Cree | 5                              | 15.2            | 5.7   | 10.5            | ..                     | 25.7                 | 25   | 0.3  | 17   | 136        | 13               | ..                     | 44   | 18   | ..               |
| Kaikoura AWS          | 105                            | 14.5            | 8.1   | 11.3            | +1.0                   | 23.9                 | 25   | 3.8  | 11   | 68         | 11               | +11                    | 25   | 18   | ..               |
| Arthurs Pass          | 745                            | 9.1             | 2.2   | 5.7             | +0.2                   | 13.7                 | 30   | -3.0 | 4    | 680        | 21               | +251                   | 140  | 6    | ..               |
| Arthurs Pass EWS      | 745                            | 9.3             | 2.4   | 5.9             | +0.7                   | 13.7                 | 30   | -2.6 | 4    | 518        | 20               | +94                    | 77   | 5    | ..               |
| Arthurs Pass AWS      | 743                            | 8.8             | 2.1   | 5.5             | ..                     | 13.0                 | 30   | -2.7 | 4    | ..         | ..               | ..                     | ..   | ..   | ..               |
| Culverden AWS         | 181                            | 14.7            | 5.6   | 10.2            | ..                     | 21.6                 | 24   | -1.3 | 5    | 74         | 20               | ..                     | 27   | 18   | ..               |
| Medbury CWS           | 232                            | 14.8            | 5.4   | 10.1            | ..                     | 20.8                 | 15   | -1.4 | 12   | 76         | 17               | ..                     | 36   | 18   | ..               |
| Waipara North Branch  | 560                            | 12.2            | 4.9   | 8.6             | ..                     | 18.4                 | 24   | -0.5 | 12   | 140        | 20               | ..                     | 39   | 18   | ..               |
| Waiiau School CWS     | 136                            | 16.2            | 6.0   | 11.1            | ..                     | 23.7                 | 15   | -1.1 | 5    | 98         | 11               | ..                     | 47   | 18   | ..               |
| Cheviot EWS           | 75                             | 15.6            | 5.8   | 10.7            | ..                     | 24.1                 | 15   | -1.2 | 5    | 100        | 12               | ..                     | 48   | 18   | 151              |
| Upper Rakaia EWS      | 1752                           | 2.4             | -3.4  | -0.5            | ..                     | 7.8                  | 25   | -7.8 | 3    | 169        | 25               | ..                     | 31   | 24   | ..               |
| Mt Potts EWS          | 2128                           | -0.1            | -5.8  | -3.0            | ..                     | ..                   | ..   | ..   | ..   | 129        | 14               | ..                     | 51   | 24   | ..               |
| Mt Cook EWS           | 730                            | 10.9            | 1.0   | 6.0             | -0.8                   | 18.9                 | 24   | -3.7 | 4    | 516        | 20               | +172                   | 104  | 24   | 93               |
| Mueller Hut EWS       | 1818                           | 2.2             | -3.6  | -0.7            | ..                     | 6.7                  | 24   | -8.8 | 11   | 336        | 19               | ..                     | 117  | 24   | ..               |
| Mt Cook Aero AWS      | 659                            | 11.4            | 1.7   | 6.6             | ..                     | 19.4                 | 24   | -6.4 | 4    | ..         | ..               | ..                     | ..   | ..   | ..               |
| Snowdon RAWs          | 560                            | 12.6            | 4.5   | 8.6             | -0.1                   | 18.6                 | 24   | -0.1 | 5    | 85         | 16               | ..                     | 26   | 18   | ..               |
| Methven CWS           | 313                            | 14.1            | 5.6   | 9.9             | ..                     | 22.1                 | 25   | 0.5  | 12   | 72         | 11               | ..                     | 38   | 18   | ..               |
| Winchmore 2 EWS       | 164                            | 14.4            | 3.9   | 9.2             | ..                     | 23.1                 | 25   | -1.0 | 12   | 58         | 10               | ..                     | 21   | 18   | ..               |
| Chertsey CWS          | 108                            | 14.6            | 5.9   | 10.3            | ..                     | 23.2                 | 24   | 0.6  | 12   | 59         | 8                | ..                     | 34   | 17   | ..               |
| Peel Forest           | 286                            | 14.5            | 4.3   | 9.4             | +0.9                   | 23.7                 | 24   | -0.9 | 10   | 104        | 14               | +25                    | 40   | 18   | ..               |
| Lismore, Racemans Hou | 168                            | 14.5            | 5.4   | 10.0            | ..                     | 23.0                 | 24   | 0.0  | 5    | 62         | 11               | ..                     | 29   | 18   | ..               |
| Ashburton Aero AWS    | 89                             | 14.9            | 4.9   | 9.9             | ..                     | 23.1                 | 24   | ..   | ..   | 71         | 16               | ..                     | 29   | 17   | 157              |
| Wakanui 2 CWS         | 53                             | 12.9            | 4.2   | 8.6             | ..                     | 22.1                 | 24   | -0.2 | 10   | 48         | 13               | ..                     | 18   | 17   | ..               |
| Waipara West EWS      | 130                            | 15.5            | 6.6   | 11.1            | ..                     | 22.6                 | 24   | 0.7  | 5    | 54         | 10               | ..                     | 19   | 18   | 166              |
| West Eyreton, Larunde | 88                             | 14.7            | 5.0   | 9.9             | ..                     | 22.8                 | 24   | -1.1 | 5    | ..         | ..               | ..                     | ..   | ..   | ..               |
| Rangiora EWS          | 23                             | 15.2            | 5.4   | 10.3            | +0.9                   | 24.4                 | 25   | -1.0 | 5    | 46         | 8                | ..                     | 27   | 17   | 138              |
| Eyrewell, Ngai Tahu W | 210                            | 13.9            | 5.6   | 9.8             | ..                     | 21.9                 | 24   | 0.0  | 5    | 65         | 13               | ..                     | 30   | 18   | ..               |
| Eyrewell, Ngai Tahu E | 72                             | 14.7            | 5.0   | 9.9             | ..                     | 22.5                 | 15   | -1.5 | 8    | 62         | 10               | ..                     | 26   | 17   | ..               |
| Christchurch Aero     | 37                             | 15.3            | 5.7   | 10.5            | +1.1                   | 23.9                 | 25   | -1.4 | 8    | 67         | 15               | +26                    | 25   | 17   | 121              |
| Christchurch Aero Bac | 37                             | 15.2            | 5.8   | 10.5            | ..                     | 24.0                 | 25   | -1.0 | 8    | 65         | 16               | ..                     | 24   | 17   | ..               |
| Christchurch Gardens  | 7                              | 15.3            | 6.8   | 11.1            | +0.9                   | ..                   | ..   | ..   | ..   | 65         | 7                | +24                    | 23   | 17   | ..               |

| Station               | Height of Station Above M.S.L. | Air Temperature |       |                 |                        |                      |      |      |      | Rainfall   |                  |                        |      |      | Bright Sun—shine |
|-----------------------|--------------------------------|-----------------|-------|-----------------|------------------------|----------------------|------|------|------|------------|------------------|------------------------|------|------|------------------|
|                       |                                | Means of        |       | Mean of A and B | Difference From Normal | Absolute Max and Min |      |      |      | Total Fall | No. of Rain Days | Difference From Normal | Max  |      |                  |
|                       |                                | A Max           | B Min |                 |                        | Max                  | Date | Min  | Date |            |                  |                        | Fall | Date |                  |
| Metres                | °C                             | °C              | °C    | °C              | °C                     | °C                   | °C   | °C   | mm   |            | mm               | mm                     |      | Hrs  |                  |
| Christchurch, Kyle St | 6                              | 18.1            | 5.3   | 11.7            | +1.5                   | 26.6                 | 15   | -0.8 | 10   | 57         | 9                | ..                     | 19   | 17   | ..               |
| Lincoln, Broadfield E | 18                             | 15.0            | 6.2   | 10.6            | +1.0                   | 23.9                 | 25   | 1.2  | 10   | 53         | 9                | +13                    | 13   | 17   | ..               |
| Sugar Loaf AWS        | 496                            | 11.5            | 5.7   | 8.6             | ..                     | 19.6                 | 25   | 1.6  | 11   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Diamond Harbour EWS   | 122                            | 14.2            | 7.4   | 10.8            | ..                     | 22.6                 | 25   | 2.4  | 4    | 110        | 10               | ..                     | 44   | 1    | 153              |
| Leeston RAWs          | 15                             | 15.8            | 6.2   | 11.0            | ..                     | 24.3                 | 25   | 0.7  | 10   | 38         | 11               | ..                     | 11   | 17   | ..               |
| Dorie CWS @ Leferinks | 55                             | 14.6            | 6.0   | 10.3            | ..                     | 23.8                 | 24   | 0.6  | 12   | 46         | 12               | ..                     | 18   | 17   | ..               |
| Akaroa EWS            | 45                             | 15.3            | 7.8   | 11.6            | +1.2                   | 24.3                 | 25   | 3.5  | 11   | 145        | 15               | +75                    | 44   | 1    | 132              |
| Le Bons Bay AWS       | 236                            | 12.1            | 7.1   | 9.6             | +0.4                   | 20.2                 | 25   | 2.5  | 11   | 66         | 14               | ..                     | 19   | 21   | ..               |
| Lake Tekapo, Air Safa | 762                            | 11.4            | 2.3   | 6.9             | +0.4                   | 20.0                 | 24   | ..   | ..   | 51         | 11               | +1                     | 16   | 18   | ..               |
| Lake Tekapo EWS       | 762                            | 11.8            | 1.8   | 6.8             | +0.1                   | 20.2                 | 24   | -3.6 | 3    | 45         | 11               | ..                     | 16   | 18   | 166              |
| Fairlie AWS           | 403                            | 13.3            | 5.1   | 9.2             | ..                     | 23.5                 | 24   | 0.1  | 3    | 69         | 19               | ..                     | 24   | 18   | ..               |
| Pukaki Aerodrome AWS  | 473                            | 14.2            | 1.4   | 7.8             | ..                     | 19.7                 | 24   | -5.4 | 3    | 37         | 16               | ..                     | 7    | 17   | ..               |
| Hakataramea Valley Cw | 355                            | 14.4            | 4.0   | 9.2             | ..                     | 21.2                 | 24   | ..   | ..   | 29         | 6                | ..                     | 17   | 18   | ..               |
| Orari Estate          | 81                             | 15.5            | 4.5   | 10.0            | +1.0                   | 24.7                 | 25   | 0.2  | 10   | 66         | 10               | +19                    | 27   | 18   | ..               |
| Orari Estate CWS      | 81                             | 15.1            | 4.9   | 10.0            | ..                     | 24.4                 | 25   | 0.8  | 10   | 58         | 10               | ..                     | 25   | 18   | ..               |
| Timaru Aero AWS       | 26                             | 14.9            | 4.2   | 9.6             | +0.9                   | 22.8                 | 25   | -1.0 | 8    | 38         | 10               | +2                     | 15   | 18   | ..               |
| Timaru EWS            | 17                             | 14.1            | 5.6   | 9.9             | +0.6                   | 23.6                 | 25   | 0.7  | 11   | 31         | 12               | -4                     | 15   | 18   | ..               |
| Waimate CWS           | 39                             | 14.2            | 5.8   | 10.0            | ..                     | 23.3                 | 25   | 1.3  | 8    | 40         | 9                | ..                     | 20   | 18   | ..               |
| Oamaru Airport AWS    | 30                             | 14.0            | 4.8   | 9.4             | +0.6                   | 22.7                 | 25   | 0.7  | 2    | 43         | 10               | +14                    | 17   | 18   | ..               |
| Albert Burn           | 1280                           | 6.4             | -0.3  | 3.1             | ..                     | 10.9                 | 24   | -5.6 | 3    | 252        | 18               | ..                     | 75   | 24   | ..               |
| Mt Larkins EWS        | 1900                           | 1.3             | -4.0  | -1.4            | ..                     | 6.4                  | 24   | -9.5 | 9    | 98         | 20               | ..                     | 40   | 24   | ..               |
| Eglinton, Knobs Flat  | 365                            | 11.6            | 2.7   | 7.2             | ..                     | 18.3                 | 19   | -2.7 | 4    | 265        | 21               | ..                     | 57   | 24   | ..               |
| Tara Hills AWS        | 488                            | 13.4            | 2.4   | 7.9             | +0.5                   | 19.8                 | 24   | -3.8 | 3    | 36         | 11               | +0                     | 9    | 5    | ..               |
| Wanaka CWS            | 331                            | 13.5            | 3.7   | 8.6             | ..                     | 18.7                 | 24   | -2.5 | 3    | 60         | 9                | ..                     | 11   | 5    | ..               |
| Wanaka Aero AWS       | 352                            | 13.8            | 4.0   | 8.9             | +0.6                   | 19.4                 | 24   | -3.2 | 3    | 45         | 12               | -12                    | 10   | 5    | ..               |
| Windsor EWS           | 81                             | 14.5            | 4.3   | 9.4             | +0.7                   | 22.0                 | 25   | -2.6 | 2    | 48         | 12               | +20                    | 27   | 18   | ..               |
| Ranfurly EWS          | 450                            | 13.8            | 2.4   | 8.1             | +1.0                   | 20.1                 | 15   | -1.6 | 5    | 17         | 7                | -9                     | 7    | 18   | ..               |
| Oamaru AWS            | 40                             | 13.6            | 5.9   | 9.8             | +0.5                   | 23.3                 | 25   | 1.5  | 2    | 59         | 16               | ..                     | 31   | 18   | ..               |
| Palmerston            | 21                             | 14.3            | 4.6   | 9.5             | +1.0                   | 22.4                 | 25   | -1.6 | 9    | 62         | 12               | +17                    | 34   | 18   | 92               |
| Middlemarch EWS       | 213                            | 14.9            | 2.8   | 8.9             | +0.4                   | 23.2                 | 15   | -1.0 | 2    | 30         | 7                | ..                     | 17   | 29   | 119              |
| Swampy Summit AWS     | 722                            | 9.0             | 2.6   | 5.8             | ..                     | 17.9                 | 24   | -1.4 | 2    | ..         | ..               | ..                     | ..   | ..   | ..               |
| Dunedin Aero AWS      | 1                              | 14.9            | 5.0   | 10.0            | +1.2                   | 23.1                 | 15   | 0.4  | 8    | 48         | 15               | +6                     | 17   | 18   | ..               |
| Dunedin, Musselburgh  | 4                              | 13.8            | 7.1   | 10.5            | +1.0                   | 23.4                 | 25   | 2.5  | 9    | 66         | 15               | +18                    | 20   | 18   | 140              |
| Oamaru EWS            | 20                             | 11.6            | 3.8   | 7.7             | ..                     | 20.7                 | 25   | 0.3  | 2    | 38         | 10               | ..                     | 16   | 18   | 141              |
| Murchison Mtns EWS    | 1140                           | 5.6             | 0.1   | 2.9             | ..                     | 10.6                 | 22   | -5.2 | 3    | 326        | 27               | ..                     | 64   | 24   | ..               |
| Takahe Valley CWS     | 895                            | 6.3             | -0.9  | 2.7             | ..                     | 12.7                 | 24   | -4.9 | 4    | 324        | 24               | ..                     | 50   | 24   | ..               |
| Te Anau At Park HQ Cw | 204                            | 12.1            | 4.4   | 8.3             | ..                     | 18.7                 | 24   | -0.3 | 4    | ..         | ..               | ..                     | ..   | ..   | ..               |
| Manapouri, West Arm J | 178                            | 10.8            | 3.5   | 7.2             | +0.1                   | 19.8                 | 24   | -1.5 | 4    | 457        | 21               | ..                     | 65   | 14   | ..               |
| Manapouri Aero AWS    | 209                            | 12.8            | 2.6   | 7.7             | +0.3                   | 20.3                 | 24   | -2.5 | 4    | 167        | 21               | +61                    | 26   | 9    | ..               |
| Birchwood WXT AWS     | 147                            | 13.2            | 4.8   | 9.0             | ..                     | 21.8                 | 24   | -1.4 | 4    | 102        | 14               | ..                     | 23   | 10   | ..               |
| Queenstown            | 322                            | 13.6            | 4.3   | 9.0             | +0.2                   | 20.1                 | 24   | -0.5 | 3    | 98         | 12               | +23                    | 22   | 9    | 137              |
| Queenstown EWS        | 322                            | 13.4            | 4.0   | 8.7             | ..                     | 19.9                 | 24   | -0.9 | 3    | 95         | 11               | ..                     | 24   | 9    | ..               |
| Queenstown Aero AWS   | 354                            | 12.8            | 2.8   | 7.8             | +0.2                   | 21.0                 | 24   | -3.3 | 3    | 74         | 13               | +7                     | 18   | 9    | 177              |
| Five Rivers CWS       | 260                            | 13.2            | 3.3   | 8.3             | ..                     | 21.4                 | 24   | -1.5 | 4    | 63         | 12               | ..                     | 14   | 9    | ..               |
| Lumsden AWS           | 187                            | 13.6            | 3.4   | 8.5             | +0.5                   | 22.2                 | 24   | -1.2 | 30   | 55         | 14               | ..                     | 22   | 9    | ..               |
| Waipounamu CWS        | 152                            | 13.8            | 3.0   | 8.4             | ..                     | 21.7                 | 24   | -2.0 | 3    | 48         | 15               | ..                     | 20   | 10   | ..               |
| Cromwell EWS          | 213                            | 17.0            | 4.1   | 10.6            | +1.7                   | 22.5                 | 24   | -2.4 | 4    | 18         | 10               | ..                     | 5    | 5    | 177              |
| Lauder EWS            | 375                            | 14.8            | 3.3   | 9.1             | +1.1                   | 21.2                 | 15   | -2.8 | 4    | 19         | 8                | -4                     | 7    | 26   | ..               |
| Ophir 2               | 305                            | 14.9            | 1.0   | 8.0             | ..                     | 20.0                 | 15   | -5.1 | 3    | 12         | 7                | ..                     | 4    | 26   | ..               |
| Alexandra             | 150                            | 16.5            | 4.2   | 10.4            | +1.1                   | 22.0                 | 23   | -4.5 | 3    | 15         | 7                | ..                     | 8    | 16   | 173              |
| Alexandra CWS         | 140                            | 15.9            | 3.3   | 9.6             | ..                     | 21.5                 | 24   | -3.1 | 4    | 15         | 7                | ..                     | 8    | 17   | ..               |
| Clyde 2 EWS           | 170                            | 16.1            | 2.2   | 9.2             | ..                     | 22.4                 | 24   | -3.9 | 4    | 10         | 8                | ..                     | 3    | 17   | ..               |
| Alexandra AWS         | 230                            | 15.3            | 2.6   | 9.0             | ..                     | 20.8                 | 24   | -3.8 | 4    | 12         | 7                | ..                     | 4    | 24   | ..               |
| Roxburgh WXT AWS      | 160                            | 14.8            | 5.1   | 10.0            | ..                     | 21.4                 | 24   | -1.5 | 4    | 14         | 16               | ..                     | 4    | 10   | ..               |
| Tapanui               | 180                            | 14.7            | 4.1   | 9.4             | +1.2                   | 21.0                 | ..   | -3.2 | 2    | 64         | 20               | +0                     | 25   | 10   | ..               |
| Waitutu CWS           | 30                             | 13.2            | 3.8   | 8.5             | ..                     | 24.1                 | 24   | -1.2 | 3    | 293        | 22               | ..                     | 43   | 17   | ..               |
| Winton 2              | 44                             | 14.7            | 4.4   | 9.6             | +0.9                   | 23.0                 | 24   | -4.0 | 2    | 64         | 15               | -6                     | 21   | 9    | 118              |
| Gore AWS              | 123                            | 13.6            | 4.7   | 9.2             | +0.8                   | 21.4                 | 24   | -2.5 | 2    | 50         | 19               | -13                    | 11   | 10   | ..               |
| Gore EWS              | 60                             | 14.1            | 3.7   | 8.9             | ..                     | 22.2                 | 24   | -3.4 | 2    | 43         | 19               | ..                     | 12   | 10   | 156              |
| Invercargill Aero     | 1                              | 13.8            | 4.4   | 9.1             | +0.5                   | 21.6                 | 24   | -2.9 | 2    | 65         | 21               | -19                    | 12   | 9    | 132              |
| Invercargill Aero AWS | 1                              | 13.6            | 4.4   | 9.0             | +0.6                   | ..                   | ..   | ..   | ..   | ..         | ..               | ..                     | ..   | ..   | ..               |
| Invercargill Aero 2 E | 1                              | 14.0            | 3.7   | 8.9             | ..                     | 21.9                 | 24   | -3.5 | 2    | 61         | 20               | ..                     | 11   | 9    | 228              |
| Tiwai Point EWS       | 5                              | 13.4            | 5.6   | 9.5             | +0.5                   | 21.7                 | 24   | -0.2 | 4    | 55         | 20               | -31                    | 10   | 17   | ..               |



| Station                                      | Height of Station Above M.S.L. | Air Temperature |       |                 |                        |                      |      |       |      | Rainfall   |                  |                        |      | Bright Sun—shine |      |
|--|--------------------------------|-----------------|-------|-----------------|------------------------|----------------------|------|-------|------|------------|------------------|------------------------|------|------------------|------|
|  |                                | Means of        |       | Mean of A and B | Difference From Normal | Absolute Max and Min |      |       |      | Total Fall | No. of Rain Days | Difference From Normal | Max  |                  |      |
|  |                                | A Max           | B Min |                 |                        | Max                  | Date | Min   | Date |            |                  |                        | Fall |                  | Date |
| Metres                                       | °C                             | °C              | °C    | °C              | °C                     | °C                   | °C   | °C    | mm   |            | mm               | mm                     |      | Hrs              |      |
| Palmer Station                               | 8                              | -3.5            | -11.7 | -7.6            | ..                     | ..                   | ..   | ..    | ..   | ..         | ..               | ..                     | ..   | ..               | ..   |
| Rothera Point                                | 16                             | -8.4            | -16.2 | -12.3           | ..                     | 0.5                  | 4    | -27.2 | 24   | ..         | ..               | ..                     | ..   | ..               | ..   |
| Argentine Is, Faraday                        | 11                             | -3.4            | -13.0 | -8.2            | ..                     | 1.6                  | 5    | -22.5 | 15   | ..         | ..               | ..                     | ..   | ..               | ..   |
| Gen San Martin                               | 4                              | -7.6            | -19.2 | -13.4           | ..                     | 5.5                  | 7    | -35.0 | 24   | ..         | ..               | ..                     | ..   | ..               | ..   |
| Novolax Arevskaja                            | 99                             | -13.8           | -19.8 | -16.8           | ..                     | -5.0                 | 1    | ..    | ..   | ..         | ..               | ..                     | ..   | ..               | ..   |
| Syowa  | 21                             | -14.3           | -21.9 | -18.1           | ..                     | -6.6                 | 1    | -29.9 | 7    | ..         | ..               | ..                     | ..   | ..               | ..   |
| Mawson                                       | 16                             | -15.2           | -22.1 | -18.7           | ..                     | -9.8                 | 11   | -27.6 | 6    | ..         | ..               | ..                     | ..   | ..               | ..   |
| Davis  | 13                             | -14.3           | -23.4 | -18.9           | ..                     | -7.2                 | 24   | -32.1 | 1    | ..         | ..               | ..                     | ..   | ..               | ..   |
| Progress                                     | 64                             | -14.5           | -20.0 | -17.3           | ..                     | -7.5                 | 10   | -35.0 | 2    | ..         | ..               | ..                     | ..   | ..               | ..   |
| Mirnyj                                       | 30                             | -15.3           | -19.7 | -17.5           | ..                     | -3.3                 | 5    | -28.3 | 30   | ..         | ..               | ..                     | ..   | ..               | ..   |
| Vostok                                       | 3420                           | -63.1           | -69.2 | -66.2           | ..                     | -45.2                | 28   | -75.1 | 22   | ..         | ..               | ..                     | ..   | ..               | ..   |
| Casey  | 41                             | -12.4           | -19.3 | -15.9           | ..                     | -4.7                 | 9    | -33.8 | 29   | ..         | ..               | ..                     | ..   | ..               | ..   |
| Durmont Durville                             | 43                             | -12.4           | -18.7 | -15.6           | ..                     | -5.3                 | 19   | -29.8 | 27   | ..         | ..               | ..                     | ..   | ..               | ..   |
| Mcmurdo                                      | 24                             | -21.7           | -31.2 | -26.5           | ..                     | -15.7                | 6    | -38.4 | 18   | 1          | 2                | ..                     | 0    | 11               | ..   |
| Ant Arrival Heights E                        | 218                            | -21.9           | -30.1 | -26.0           | ..                     | -15.6                | 4    | -40.5 | 18   | ..         | ..               | ..                     | ..   | ..               | ..   |
| Ant Scott Base EWS                           | 20                             | -23.3           | -36.5 | -29.9           | ..                     | -13.2                | 7    | -48.1 | 18   | ..         | ..               | ..                     | ..   | ..               | ..   |
| Darwin Airport                               | 31                             | 33.6            | 14.7  | 24.2            | ..                     | 36.9                 | 16   | 10.8  | 25   | 5          | 1                | ..                     | 5    | 30               | ..   |
| Hobart Airport                               | 4                              | 20.0            | 5.4   | 12.7            | ..                     | 22.2                 | 21   | 0.1   | 1    | 31         | 18               | ..                     | 14   | 23               | ..   |
| Late returns and corrections for August 2017 |                                |                 |       |                 |                        |                      |      |       |      |            |                  |                        |      |                  |      |
| Tiri Tiri Lighthouse                         | 76                             | 15.7            | 11.0  | 13.4            | +1.5                   | 17.9                 | 12   | 7.6   | 1    | 88         | 21               | -12                    | 19   | 31               | ..   |
| Auckland, Henderson N                        | 7                              | 17.5            | 7.0   | 12.3            | +1.2                   | 19.9                 | 7    | 0.4   | 23   | 143        | 23               | -14                    | 16   | 30               | ..   |
| Whakatu EWS                                  | 5                              | 15.6            | 3.9   | 9.8             | +1.0                   | 19.8                 | 13   | -1.5  | 6    | 51         | 13               | ..                     | 14   | 28               | ..   |
| Waiouru EWS                                  | 806                            | 10.4            | 2.6   | 6.5             | ..                     | 15.2                 | 28   | -2.7  | 4    | 116        | 25               | ..                     | 29   | 1                | ..   |
| Stephens Island                              | 187                            | 13.5            | 8.4   | 11.0            | +1.5                   | 16.8                 | 30   | 0.0   | 3    | 138        | 21               | ..                     | 31   | 13               | ..   |
| Motueka, Riwaka EWS                          | 8                              | 14.4            | 3.7   | 9.1             | +0.8                   | 20.2                 | 17   | -2.7  | 4    | 163        | 24               | +19                    | 34   | 27               | ..   |
| Grassmere Salt Works                         | 2                              | 14.6            | 7.8   | 11.2            | +1.7                   | 19.4                 | 7    | 1.9   | 23   | 54         | 11               | +0                     | 15   | 19               | ..   |
| Boyle River Lodge                            | 600                            | 11.1            | 2.4   | 6.8             | +1.7                   | 16.5                 | 28   | ..    | ..   | 196        | 24               | +27                    | 39   | 17               | ..   |
| Ranfurly EWS                                 | 450                            | 11.6            | 0.6   | 6.1             | +1.8                   | 17.9                 | 28   | -8.8  | 5    | 3          | 3                | -19                    | 2    | 20               | ..   |
| Palmerston                                   | 21                             | 13.3            | 2.6   | 8.0             | +1.5                   | 19.6                 | 25   | -4.2  | 4    | 20         | 10               | -32                    | 5    | 14               | 103  |
| Ettrick No.2                                 | 91                             | 13.6            | 1.8   | 7.7             | +1.6                   | 19.0                 | 26   | -5.0  | 5    | 7          | 4                | -25                    | 3    | 20               | ..   |
| Winton 2                                     | 44                             | 13.2            | 2.5   | 7.9             | +1.1                   | 17.6                 | 9    | -6.0  | 3    | 29         | 9                | -36                    | 17   | 10               | 112  |
| Late returns and corrections for July 2017   |                                |                 |       |                 |                        |                      |      |       |      |            |                  |                        |      |                  |      |
| Motueka, Riwaka EWS                          | 8                              | 12.9            | 2.0   | 7.5             | +0.6                   | 17.3                 | 22   | -4.0  | 29   | 118        | 11               | -13                    | 44   | 1                | ..   |
| Ranfurly EWS                                 | 450                            | 6.4             | -2.8  | 1.8             | -0.4                   | 13.0                 | 31   | -9.2  | 8    | 70         | 10               | +40                    | 29   | 21               | ..   |
| Late returns and corrections for June 2017   |                                |                 |       |                 |                        |                      |      |       |      |            |                  |                        |      |                  |      |
| Motueka, Riwaka EWS                          | 8                              | 14.0            | 1.6   | 7.8             | +0.2                   | 16.4                 | 10   | -2.7  | 15   | 52         | 9                | -89                    | 37   | 30               | ..   |
| Ranfurly EWS                                 | 450                            | 9.0             | -1.9  | 3.6             | +0.8                   | 15.9                 | 11   | -6.7  | 26   | 21         | 14               | -9                     | 8    | 13               | ..   |
| Late returns and corrections for May 2017    |                                |                 |       |                 |                        |                      |      |       |      |            |                  |                        |      |                  |      |
| Tiri Tiri Lighthouse                         | 76                             | 17.2            | 12.7  | 15.0            | +0.4                   | 19.8                 | 10   | 9.4   | 23   | 107        | 17               | +18                    | 39   | 11               | ..   |
| Motueka, Riwaka EWS                          | 8                              | 15.5            | 3.8   | 9.7             | -0.4                   | 18.9                 | 12   | -2.1  | 21   | ..         | ..               | ..                     | ..   | ..               | ..   |
| Late returns and corrections for April 2017  |                                |                 |       |                 |                        |                      |      |       |      |            |                  |                        |      |                  |      |
| Tiri Tiri Lighthouse                         | 76                             | 20.3            | 15.7  | 18.0            | +1.2                   | 23.4                 | 3    | 13.7  | 20   | 233        | 18               | +163                   | 122  | 4                | ..   |
| Motueka, Riwaka EWS                          | 8                              | 19.2            | 9.2   | 14.2            | +1.5                   | 23.1                 | 2    | 4.1   | 23   | ..         | ..               | ..                     | ..   | ..               | ..   |
| Late returns and corrections for March 2017  |                                |                 |       |                 |                        |                      |      |       |      |            |                  |                        |      |                  |      |
| Tiri Tiri Lighthouse                         | 76                             | 22.1            | 16.9  | 19.5            | +0.7                   | 24.0                 | 4    | 14.4  | 15   | 357        | 16               | +285                   | 129  | 7                | ..   |

The 'Normal' refers to the present site of the instruments. Standard period for normals is 1981-2010.

No normals are available for stations with only short records.

A rain day is a day with rainfall equal to or greater than 0.1 mm.

Where the extremes of temperature and rainfall occurred more than once during the month, the date of the first is given.

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