

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for July 1978—continued

| Station                           | Height of Station Above M.S.L. | Air Temperatures in Degrees Celsius |        |                 |                        |                              |      |         |      | Rainfall in Millimetres |                  |                        |              |      | Bright Sunshine Hrs |
|-----------------------------------|--------------------------------|-------------------------------------|--------|-----------------|------------------------|------------------------------|------|---------|------|-------------------------|------------------|------------------------|--------------|------|---------------------|
|                                   |                                | Means of                            |        | Mean of A and B | Difference From Normal | Absolute Maximum and Minimum |      |         |      | Total Fall              | No. of Rain Days | Difference From Normal | Maximum Fall |      |                     |
|                                   |                                | A Max.                              | B Min. |                 |                        | Maximum                      | Date | Minimum | Date |                         |                  |                        | Amount       | Date |                     |
|                                   | Metres                         | °C                                  | °C     | °C              | °C                     | °C                           |      | °C      |      | mm                      |                  | mm                     | mm           |      | Hrs                 |
| Karioi .. .. .                    | 648                            | 8.5                                 | 1.5    | 5.0             | +0.1                   | 14.0                         | 4    | -4.7    | 17   | 212                     | 24               | +105                   | 30           | 24   | ..                  |
| Waiouru .. .. .                   | 823                            | 7.4                                 | 0.5    | 4.0             | +0.2                   | 13.0                         | 4    | -8.2    | 1    | 197                     | 24               | +95                    | 28           | 24   | ..                  |
| Waiouru Military Camp .. .. .     | 823                            | 7.3                                 | 0.3    | 3.8             | +0.4                   | 13.0                         | 4    | -6.9    | 16   | 205                     | 24               | +101                   | 31           | 24   | ..                  |
| Taihape .. .. .                   | 433                            | 10.7                                | 2.1    | 6.4             | +0.4                   | 16.4                         | 4    | -5.3    | 18   | 108                     | 22               | ..                     | 20           | 4    | ..                  |
| Kahui, Taihape .. .. .            | 518                            | 9.9                                 | 3.0    | 6.5             | +0.2                   | 15.2                         | 4    | -2.8    | 16   | 123                     | ..               | ..                     | 21           | 4    | ..                  |
| Wanganui .. .. .                  | 22                             | 13.1                                | 6.2    | 9.7             | +1.0                   | 17.6                         | 4    | -0.5    | 17   | 161                     | 20               | +80                    | 27           | 20   | 94                  |
| Farewell Spit .. .. .             | 3                              | 13.5                                | 5.1    | 9.3             | +0.2                   | 17.1                         | 20   | -2.0    | 2    | 208                     | 19               | +78                    | 78           | 11   | ..                  |
| Totaranui .. .. .                 | 10                             | 13.3                                | 4.8    | 9.1             | ..                     | 19.6                         | 20   | 1.0     | 1    | 350                     | 14               | ..                     | 164          | 11   | ..                  |
| Westport Aerodrome .. .. .        | 2                              | 13.3                                | 4.9    | 9.1             | +1.0                   | 17.8                         | 20   | 0.2     | 18   | 206                     | 18               | +23                    | 33           | 11   | 116                 |
| Cobb Dam .. .. .                  | 823                            | 7.9                                 | -0.7   | 3.6             | +0.6                   | 10.7                         | 31   | -6.8    | 1    | 325                     | 17               | +117                   | 71           | 11   | ..                  |
| Arapito .. .. .                   | 20                             | ..                                  | ..     | ..              | ..                     | ..                           | ..   | ..      | ..   | ..                      | ..               | ..                     | ..           | ..   | ..                  |
| Lake Rotoiti .. .. .              | 634                            | 8.7                                 | -0.8   | 4.0             | +1.0                   | 13.1                         | 20   | -8.2    | 2    | 141                     | 19               | -16                    | 38           | 11   | ..                  |
| Hokitika Aerodrome .. .. .        | 39                             | 12.6                                | 3.7    | 8.2             | +1.1                   | 16.3                         | 20   | -1.3    | 1    | 318                     | 18               | +77                    | 60           | 24   | 107                 |
| Reefton .. .. .                   | 198                            | 10.3                                | 0.8    | 5.6             | +0.9                   | 15.7                         | 20   | -6.6    | 1    | 225                     | 20               | +60                    | 59           | 4    | ..                  |
| Totara Flat .. .. .               | 77                             | 11.3                                | 1.2    | 6.3             | +0.9                   | 17.0                         | 20   | -6.5    | 1    | 172                     | 17               | +15                    | 34           | 4    | ..                  |
| Greymouth .. .. .                 | 4                              | 12.8                                | 5.3    | 9.1             | +1.5                   | 17.9                         | 20   | 0.6     | 1    | 259                     | 17               | +66                    | 56           | 12   | 91                  |
| Otira Substation .. .. .          | 383                            | 9.1                                 | 1.4    | 5.3             | ..                     | 11.6                         | 20   | -3.7    | 1    | 316                     | 18               | -40                    | 103          | 4    | ..                  |
| Springs Junction .. .. .          | 421                            | 8.9                                 | 0.0    | 4.5             | ..                     | 13.1                         | 31   | -7.2    | 1    | 239                     | 18               | +64                    | 54           | 4    | ..                  |
| Hari Hari .. .. .                 | 45                             | ..                                  | ..     | ..              | ..                     | ..                           | ..   | ..      | ..   | ..                      | ..               | ..                     | ..           | ..   | ..                  |
| Franz Josef .. .. .               | 122                            | ..                                  | ..     | ..              | ..                     | ..                           | ..   | ..      | ..   | ..                      | ..               | ..                     | ..           | ..   | ..                  |
| Fox Glacier .. .. .               | 152                            | 12.0                                | 2.9    | 7.5             | ..                     | 16.5                         | 30   | -1.6    | 1    | 313                     | 17               | -1                     | 95           | 4    | ..                  |
| Milford Sound .. .. .             | 3                              | 10.1                                | 2.3    | 6.2             | +0.6                   | 15.1                         | 20   | -1.8    | 1    | 319                     | 16               | -59                    | 127          | 4    | ..                  |
| Puysgur Point .. .. .             | 43                             | 11.6                                | 5.8    | 8.7             | ..                     | 15.0                         | 18   | 3.0     | 31   | 180                     | 25               | +7                     | 35           | 2    | ..                  |
| Stephens Island .. .. .           | 187                            | ..                                  | ..     | ..              | ..                     | ..                           | ..   | ..      | ..   | ..                      | ..               | ..                     | ..           | ..   | ..                  |
| Riwaka, Motueka .. .. .           | 8                              | 13.4                                | 2.4    | 7.9             | +0.9                   | 17.7                         | 20   | -3.2    | 1    | 269                     | 12               | +124                   | 112          | 11   | 152                 |
| Golden Downs Forest .. .. .       | 274                            | 12.1                                | 0.0    | 6.1             | +1.5                   | 17.1                         | 20   | -6.8    | 1    | 140                     | 12               | +26                    | 48           | 11   | ..                  |
| Appleby .. .. .                   | 17                             | 13.1                                | 3.5    | 8.3             | +1.1                   | 18.9                         | 20   | -3.3    | 2    | 163                     | 11               | +72                    | 71           | 11   | ..                  |
| Nelson Aerodrome .. .. .          | 2                              | 13.0                                | 2.7    | 7.9             | +1.5                   | 19.5                         | 20   | -4.5    | 2    | 141                     | 12               | +50                    | 69           | 11   | 152                 |
| Rai Valley .. .. .                | 79                             | 13.0                                | 2.1    | 7.6             | +1.6                   | 17.8                         | 20   | -6.1    | 1    | 244                     | 15               | +61                    | 90           | 11   | ..                  |
| Moutere Hills .. .. .             | 101                            | 12.8                                | 5.6    | 9.2             | +1.4                   | 17.9                         | 20   | -0.9    | 2    | 147                     | 11               | +43                    | 64           | 11   | ..                  |
| Blenheim Aerodrome .. .. .        | 27                             | 12.9                                | 1.9    | 7.4             | +0.7                   | 16.9                         | 25   | -3.7    | 2    | 126                     | 14               | +55                    | 39           | 4    | ..                  |
| Blenheim .. .. .                  | 4                              | 13.1                                | 2.9    | 8.0             | +0.9                   | 17.1                         | 25   | -2.5    | 2    | 132                     | 15               | +66                    | 34           | 19   | 142                 |
| Waihopai Power Station .. .. .    | 262                            | 11.2                                | 1.7    | 6.5             | +0.5                   | 15.1                         | 20   | -4.5    | 17   | 112                     | 10               | +33                    | 38           | 4    | ..                  |
| Vernon Lagoons .. .. .            | 2                              | 12.7                                | 2.6    | 7.7             | +0.9                   | 16.9                         | 5    | -3.9    | 2    | 149                     | 12               | ..                     | 49           | 19   | 133                 |
| Lake Grassmere .. .. .            | 2                              | 11.7                                | 4.3    | 8.0             | +0.7                   | 15.6                         | 5    | -1.0    | 2    | 163                     | 10               | +97                    | 67           | 19   | 132                 |
| Cape Campbell .. .. .             | 3                              | 11.5                                | 7.2    | 9.4             | +0.9                   | 14.7                         | 23   | 3.2     | 18   | 135                     | 12               | +59                    | 57           | 19   | ..                  |
| Hanmer Forest .. .. .             | 387                            | 10.0                                | -1.2   | 4.4             | +0.7                   | 15.5                         | 24   | -6.0    | 17   | 191                     | 14               | +87                    | 46           | 19   | 96                  |
| Molesworth .. .. .                | 893                            | 7.3                                 | -2.6   | 2.4             | +0.9                   | 11.4                         | 23   | -10.1   | 2    | 96                      | 12               | +35                    | 22           | 4    | ..                  |
| Kaikoura .. .. .                  | 99                             | 10.7                                | 5.9    | 8.3             | +0.5                   | 16.5                         | 24   | 2.8     | 16   | 150                     | 14               | +69                    | 75           | 19   | 122                 |
| Arthurs Pass .. .. .              | 738                            | 6.2                                 | -1.6   | 2.3             | ..                     | 9.5                          | 26   | -8.5    | 1    | 258                     | ..               | -19                    | 100          | 4    | ..                  |
| Balmoral Forest .. .. .           | 198                            | 10.8                                | 0.9    | 5.9             | +1.4                   | 17.1                         | 24   | -5.0    | 18   | 129                     | 15               | +65                    | 23           | 4    | ..                  |
| Hawarden .. .. .                  | 244                            | 10.2                                | 1.4    | 5.8             | ..                     | 15.8                         | 24   | -6.0    | 2    | 117                     | 14               | ..                     | 18           | 7    | ..                  |
| Waiau .. .. .                     | 137                            | 11.2                                | 1.2    | 6.2             | ..                     | 18.9                         | 24   | -5.4    | 18   | 146                     | 15               | ..                     | 57           | 9    | ..                  |
| The Hermitage, Mount Cook .. .. . | 765                            | 6.3                                 | -0.8   | 2.8             | +0.9                   | 10.9                         | 1    | -4.2    | 18   | 254                     | 19               | +10                    | 54           | 4    | 63                  |
| Mount John .. .. .                | 1,027                          | 4.5                                 | -0.3   | 2.1             | +0.8                   | 8.4                          | 4    | -2.8    | 15   | 77                      | 17               | +31                    | 19           | 19   | 109                 |
| Craigieburn Forest .. .. .        | 914                            | ..                                  | ..     | ..              | ..                     | ..                           | ..   | ..      | ..   | ..                      | ..               | ..                     | ..           | ..   | ..                  |
| Lake Coleridge .. .. .            | 364                            | 9.6                                 | 0.4    | 5.0             | +1.1                   | 15.6                         | 5    | -4.2    | 16   | 115                     | 18               | +34                    | 28           | 19   | ..                  |
| Highbank Power Station .. .. .    | 336                            | 9.1                                 | 2.5    | 5.8             | +0.2                   | 14.1                         | 4    | -1.0    | 2    | 157                     | 16               | +78                    | 37           | 19   | 116                 |
| Hororata Substation .. .. .       | 192                            | 10.0                                | 1.2    | 5.6             | +1.1                   | 16.5                         | 22   | -4.9    | 1    | 164                     | 19               | +98                    | 37           | 19   | ..                  |
| Winchmore .. .. .                 | 160                            | 10.0                                | 2.2    | 6.1             | +1.4                   | 15.2                         | 22   | -1.9    | 18   | 132                     | 14               | +71                    | 33           | 19   | ..                  |
| Peel Forest .. .. .               | 274                            | 9.6                                 | 0.1    | 4.9             | ..                     | 14.4                         | 1    | -3.6    | 2    | 96                      | 23               | ..                     | 23           | 19   | ..                  |
| Ashburton .. .. .                 | 101                            | 10.4                                | 2.3    | 6.4             | +1.2                   | 16.1                         | 23   | -4.3    | 2    | 117                     | 15               | +56                    | 27           | 19   | 108                 |
| Waipara .. .. .                   | 64                             | 11.0                                | 2.7    | 6.9             | ..                     | 17.6                         | 24   | -3.5    | 16   | 139                     | 14               | ..                     | 35           | 19   | ..                  |
| Ashley Forest .. .. .             | 107                            | 10.4                                | 3.6    | 7.0             | +0.8                   | 16.9                         | 24   | -1.0    | 17   | 191                     | ..               | +120                   | 43           | 9    | 106                 |
| Rangiora .. .. .                  | 46                             | 10.8                                | 2.5    | 6.7             | +1.3                   | 17.5                         | 24   | -3.8    | 18   | 172                     | 17               | +119                   | 46           | 9    | ..                  |
| Darfield .. .. .                  | 195                            | 9.9                                 | 2.6    | 6.3             | +1.3                   | 15.8                         | 22   | -2.6    | 19   | 219                     | 15               | +153                   | 46           | 7    | ..                  |
| Eyrewell Forest .. .. .           | 158                            | 10.1                                | 1.0    | 5.6             | +1.0                   | 17.9                         | 24   | -6.5    | 3    | 219                     | 13               | +153                   | 42           | 9    | ..                  |
| Christchurch Airport .. .. .      | 30                             | 10.7                                | 2.0    | 6.4             | +1.0                   | 16.7                         | 24   | -4.4    | 17   | 143                     | 15               | +82                    | 27           | 8    | 108                 |
| Templeton .. .. .                 | 46                             | 10.5                                | 2.5    | 6.5             | ..                     | 16.3                         | 24   | -3.2    | 17   | 150                     | 15               | ..                     | 34           | 7    | ..                  |
| Christchurch .. .. .              | 7                              | ..                                  | ..     | ..              | ..                     | ..                           | ..   | ..      | ..   | ..                      | ..               | ..                     | ..           | ..   | ..                  |
| Bromley, Christchurch .. .. .     | 9                              | 10.9                                | 4.1    | 7.5             | +1.1                   | 15.6                         | 24   | -2.2    | 17   | 123                     | 18               | +67                    | 30           | 8    | ..                  |
| Mount Pleasant .. .. .            | 137                            | 10.9                                | 5.4    | 8.2             | +0.7                   | 15.5                         | 24   | 1.7     | 17   | 110                     | 15               | +36                    | 21           | 7    | ..                  |
| Lincoln D.S.I.R. .. .. .          | 12                             | ..                                  | ..     | ..              | ..                     | ..                           | ..   | ..      | ..   | 146                     | 20               | ..                     | 32           | 7    | ..                  |
| Lincoln .. .. .                   | 11                             | 10.7                                | 2.8    | 6.8             | +1.4                   | 16.0                         | 24   | -2.8    | 17   | 112                     | 15               | +54                    | 20           | 8    | 105                 |
| Akaroa .. .. .                    | 3                              | 11.7                                | 3.3    | 7.5             | ..                     | 18.5                         | 24   | -8.0    | 17   | 391                     | 14               | ..                     | 121          | 7    | ..                  |
| Lake Tekapo .. .. .               | 683                            | 6.8                                 | -1.0   | 2.9             | +1.2                   | 11.0                         | 5    | -5.0    | 19   | 51                      | 14               | -2                     | 15           | 20   | 98                  |
| Lake Pukaki .. .. .               | 556                            | 7.0                                 | -1.0   | 3.0             | +1.9                   | 11.9                         | 4    | -3.7    | 2    | 67                      | 16               | ..                     | 10           | 4    | ..                  |
| Fairlie .. .. .                   | 306                            | 9.6                                 | -1.2   | 4.2             | +1.3                   | 15.5                         | 22   | -6.5    | 2    | 75                      | 8                | +19                    | 20           | 19   | ..                  |
| Twizel .. .. .                    | 457                            | 6.6                                 | -2.3   | 2.2             | +1.4                   | 11.0                         | 26   | -7.3    | 2    | 64                      | 17               | ..                     | 12           | 4    | ..                  |
| Ikawai .. .. .                    | 70                             | 10.8                                | 1.6    | 6.2             | +1.7                   | 14.5                         | 22   | -3.0    | 2    | 212                     | 11               | ..                     | 69           | 7    | ..                  |
| Geraldine .. .. .                 | 119                            | 10.0                                | 0.7    | 5.4             | ..                     | 14.2                         | 22   | -3.6    | 2    | 136                     | 17               | ..                     | 38           | 19   | ..                  |
| Orari Estate .. .. .              | 81                             | 9.8                                 | 0.8    | 5.3             | +0.8                   | 14.0                         | 23   | -3.5    | 2    | 143                     | 19               | +85                    | 38           | 19   | ..                  |
| Temuka .. .. .                    | 24                             | 10.4                                | 1.6    | 6.0             | +1.0                   | 13.4                         | 23   | -3.0    | 18   | 116                     | 13               | +70                    | 29           | 19   | ..                  |
| Timaru Aerodrome .. .. .          | 26                             | 10.3                                | 0.7    | 5.5             | +0.8                   | 13.4                         | 23   | -3.7    | 19   | 113                     | 14               | +70                    | 29           | 19   | ..                  |
| Adair .. .. .                     | 85                             | 9.9                                 | 3.2    | 6.6             | +0.9                   | 13.8                         | 5    | 0.3     | 2    | 135                     | 13               | +92                    | 30           | 19   | ..                  |
| Timaru .. .. .                    | 17                             | 10.0                                | 2.2    | 6.1             | +0.8                   | 13.1                         | 6    | -2.6    | 18   | 112                     | 14               | +71                    | 22           | 19   | 93                  |
| Waimate .. .. .                   | 61                             | 10.8                                | 2.2    | 6.5             | +0.6                   | 15.2                         | 5    | -2.2    | 18   | 175                     | 13               | +132                   | 49           | 8    | ..                  |
| Livingstone Substation .. .. .    | 305                            | 8.9                                 | 1.9    | 5.4             | +1.2                   | 12.4                         | 23   | -1.7    | 2    | 192                     | 11               | ..                     | 59           | 8    | ..                  |
| Oamaru Aerodrome .. .. .          | 30                             | 10.0                                | 2.5    | 6.3             | +1.3                   | 13.8                         | 25   | -2.1    | 2    | 114                     | 14               | +78                    | 39           | 8    | 100                 |