

III. ATMOSPHERIC ELECTRICITY

Atmospheric electricity data have been published since 1962. Table I contains the hourly average values of the potential gradient expressed in V/m. Hourly averages have been taken only from hours having a recording period of 30 minutes or more. If values were available only for part of an hour the average is entered in square brackets []. These data have been used in the determination of the monthly and daily means. Values uncertain for some reason are entered in round brackets () and have not been used in calculating of monthly and daily means. Daily means of each day with 24 hours of recording are entered. However, loss of a maximum of one hour's data out of twelve (for example, on account of instrument maintenance or calibration) has not precluded entering this mean value. In hours marked by S the value of the potential gradient exceeded permanently or several times the measuring limits of the equipment making the determination of an hourly average impossible. The directions of the deviations are marked by signs.

Meteorological observations are usually accomplished at the observatory three times a day. Letters in the column „Remarks” indicate the weather type of a day based on these observations. The letters used according to the Beaufort Weather Notation are the following:

| | |
|-----------------------|--------------------------|
| Appearance of sky | b = blue sky (cloudless) |
| | c = cloudy |
| | o = overcast |
| Precipitation | r = rain |
| | p = passing showers |
| | s = snow |
| | bs = blowing snow |
| | d = drizzle |
| | h = hail |
| Electrical phenomena | t = thunder |
| | l = distant lightning |
| Atmospheric obscurity | f = fog |
| | z = haze |
| | m = mist |

Table II gives the hourly means of the quantities of positive and negative charges transported by point-discharge for each month. The values are expressed in 10^{-6} Asec/hour.

All data are presented in universal time (GMT).

Tables were compiled by Ferenc MÁRCZ. Both the equipments and the methods of measurement of potential gradient and point-discharge have been described in the paper by Pál BENCZE und Ferenc MÁRCZ: „Atmosphärisch-elektrische und ionosphärische Messungen im Observatorium bei Nagycenk”, Observatoriumsberichte des Geophysikalischen Forschungslaboratoriums der Ungarischen Akademie der Wissenschaften vom Jahre 1936, Sopron, 1967.

*Hourly means of the potential gradient and
meteorological conditions*

January

| Hour GMT Day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------|------|------|------|------|------|------|------|------|--------|-------|-------|-------|-------|
| 1. | -120 | -250 | +S | -90 | 50 | 60 | 110 | 90 | 100 | 110 | 200 | 210 | [190] |
| 2. | 40 | 40 | 70 | 80 | 80 | 80 | 100 | 80 | 80 | 130 | 130 | 70 | — |
| 3. | 240 | 130 | 100 | 110 | 100 | 70 | 130 | 160 | 190 | 70 | 130 | 180 | [180] |
| 4. | 60 | 50 | 60 | 60 | 90 | 80 | 70 | 90 | 140 | 140 | — | -140 | -120 |
| 5. | 50 | 50 | 40 | 50 | 40 | 60 | 110 | 90 | 90 | 60 | 80 | [100] | 110 |
| 6. | 150 | 210 | 150 | +S | ±S | +S | 160 | 200 | 180 | 90 | +S | ±S | +S |
| 7. | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 8. | 0 | 20 | 10 | 0 | +S | +S | +S | 130 | +S | +S | +S | +S | — |
| 9. | 110 | 170 | 180 | 90 | 70 | 100 | 100 | 100 | +S | [190] | 170 | 180 | 200 |
| 10. | +S | 120 | 120 | 110 | 120 | 80 | 50 | 50 | 90 | 90 | 130 | — | 200 |
| 11. | 110 | 60 | 60 | 70 | 70 | 110 | 120 | +S | +S | — | +S | +S | 160 |
| 12. | 20 | -20 | -40 | 10 | 30 | 30 | 30 | 30 | 40 | [70] | 90 | 100 | 100 |
| 13. | 90 | 100 | 90 | 70 | +S | ±S | ±S | ±S | 30 | 0 | 60 | 120 | 130 |
| 14. | 70 | 90 | 40 | 40 | 50 | 100 | 110 | 90 | 80 | 110 | 140 | 150 | 120 |
| 15. | 150 | 130 | 80 | 50 | 30 | 70 | 50 | 100 | 90 | [80] | [110] | 130 | 150 |
| 16. | 150 | 200 | 190 | 180 | 130 | 180 | 190 | 180 | — | [230] | +S | +S | +S |
| 17. | 200 | 210 | 250 | 220 | 190 | 190 | +S | +S | +S | +S | +S | +S | +S |
| 18. | 200 | +S | 170 | 130 | 130 | 180 | 190 | 200 | 150 | 150 | [130] | 110 | 130 |
| 19. | 190 | 170 | 150 | 100 | 0 | -30 | -20 | -10 | -10 | 100 | — | 130 | +S |
| 20. | -30 | -30 | -130 | -180 | -170 | -140 | -70 | -130 | [-110] | -170 | -70 | -80 | -90 |
| 21. | 160 | 170 | 190 | 200 | 190 | 170 | 200 | 90 | +S | — | — | — | — |
| 22. | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 23. | — | — | — | — | — | — | — | — | — | — | 90 | 140 | 50 |
| 24. | 0 | -20 | 70 | 40 | -20 | 0 | 40 | +S | +S | +S | 10 | 0 | 150 |
| 25. | 190 | +S | +S | +S | 220 | +S | +S | 200 | [230] | 50 | 170 | 180 | 230 |
| 26. | 30 | -10 | -20 | 100 | +S | ±S | -S | 140 | 170 | +S | +S | 200 | 170 |
| 27. | -20 | +S | +S | 50 | 90 | 120 | 150 | 200 | 120 | [150] | 140 | 140 | 120 |
| 28. | 140 | 120 | 110 | 110 | 130 | 140 | 170 | 200 | [170] | 140 | 130 | 140 | 110 |
| 29. | 150 | 170 | 130 | 140 | 200 | 220 | 190 | 180 | +S | [210] | — | -20 | 210 |
| 30. | 50 | 60 | 70 | 60 | 60 | 40 | 70 | 110 | — | [160] | [160] | 190 | 190 |
| 31. | +S | 100 | -70 | -60 | -130 | -80 | -100 | -210 | [-200] | -160 | -150 | -160 | -140 |
| Means | 92 | 82 | 82 | 67 | 73 | 80 | 93 | 98 | 86 | 91 | 97 | 94 | 116 |
| Number of days | 26 | 25 | 25 | 26 | 24 | 23 | 23 | 24 | 19 | 22 | 19 | 22 | 22 |

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Daily means | Remarks |
|------|-----|------|------|------|------|------|------|------|------|-----|-------------|---------|
| 190 | 210 | 170 | 110 | 220 | 60 | 0 | -150 | -60 | 0 | 40 | 63 | o r m |
| 10 | 140 | 230 | +S | 50 | 40 | 110 | -80 | -90 | -150 | 120 | — | c r |
| 160 | 120 | 130 | 150 | 150 | 130 | 110 | 130 | 130 | 80 | 80 | 132 | o r |
| 80 | 70 | 110 | 120 | 110 | 140 | 150 | 100 | 90 | 80 | 70 | 74 | o |
| 150 | 130 | 130 | 150 | 220 | 190 | 210 | 180 | 160 | 150 | 130 | 114 | o s |
| +S | 190 | 110 | 30 | -40 | 0 | -20 | -60 | -140 | -150 | — | — | o b s |
| — | — | — | — | — | — | 70 | 90 | 40 | 10 | 20 | — | o b s |
| — | — | — | — | — | — | — | — | — | +S | +S | — | o b s |
| 190 | 180 | 110 | 120 | 90 | 80 | 100 | 110 | +S | +S | +S | — | o s |
| +S | +S | 220 | +S | 150 | 150 | 130 | 100 | 100 | 100 | 130 | — | o |
| 180 | +S | 170 | +S | +S | 90 | 0 | 50 | +S | +S | +S | — | c |
| 110 | 110 | 70 | 70 | 80 | 110 | 100 | 80 | 90 | 70 | 90 | 61 | c s |
| 150 | 140 | 130 | 110 | 110 | 150 | 160 | 90 | 80 | 100 | 90 | — | o s |
| 100 | 110 | 100 | 140 | 130 | 140 | 150 | 170 | 190 | 190 | 170 | 116 | c s |
| 140 | 60 | 50 | 10 | -S | +S | +S | +S | +S | +S | +S | — | o r |
| +S | +S | +S | +S | +S | +S | +S | +S | +S | +S | 220 | — | c r |
| +S | +S | 200 | 140 | 170 | +S | +S | 200 | 200 | 200 | 180 | — | c |
| 190 | 200 | 180 | 160 | 140 | 170 | 200 | 190 | 180 | 150 | 170 | 165 | c z |
| +S | 200 | 0 | 40 | 50 | 80 | 110 | 130 | 20 | -20 | -10 | — | c z |
| 20 | 20 | 30 | 70 | 70 | 50 | -20 | 50 | 30 | 130 | 130 | -34 | o |
| — | — | — | — | — | — | — | — | — | — | — | — | c |
| — | — | — | — | — | — | — | — | — | — | — | — | o s |
| 100 | 40 | 60 | 0 | 50 | 150 | 60 | 40 | 10 | -80 | -10 | — | o s |
| 140 | 130 | +S | +S | +S | +S | +S | 190 | 140 | 130 | 120 | — | o d m |
| +S | +S | 160 | 60 | 60 | 50 | 100 | 120 | 100 | 80 | 140 | — | o r f |
| 80 | 30 | 60 | 80 | -20 | 80 | -40 | -S | -S | 30 | -80 | — | o r |
| 80 | 100 | +S | +S | +S | +S | +S | +S | +S | 190 | 180 | — | c r |
| 100 | 100 | 70 | 90 | 100 | 110 | 70 | 150 | 120 | 60 | 70 | 119 | c r |
| 230 | 180 | 200 | +S | +S | +S | 30 | 120 | 140 | 100 | 80 | — | c |
| 160 | 180 | 210 | 230 | +S | +S | +S | 240 | +S | +S | +S | — | o |
| -100 | -80 | -120 | -160 | -170 | -230 | -200 | -200 | -130 | 0 | -60 | -122 | |
| 117 | 116 | 116 | 86 | 86 | 87 | 72 | 85 | 67 | 63 | 90 | 89 | |
| 21 | 22 | 24 | 20 | 20 | 20 | 22 | 24 | 21 | 23 | 23 | | |

February

| Hour GMT | | | | | | | | | | | | | |
|----------------|---------|------|---------|---------|------|-----|-----|---------|---------|--------|---------|---------|---------|
| Day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1. | -90 | -40 | -70 | -90 | -90 | -80 | -40 | 10 | 0 | -10 | 0 | 10 | 0 |
| 2. | 140 | 100 | 140 | 40 | -100 | +S | +S | $\pm S$ | $\pm S$ | 40 | 100 | 80 | [50] |
| 3. | 50 | 60 | 100 | 130 | 50 | 60 | 120 | 70 | 70 | 100 | 100 | [180] | [160] |
| 4. | 70 | 30 | 50 | 20 | 40 | 100 | 10 | 90 | 90 | [140] | 140 | 200 | +S |
| 5. | 80 | 100 | 80 | 90 | 70 | 70 | 90 | 80 | 100 | 100 | [100] | 100 | 100 |
| 6. | 70 | 70 | 70 | 80 | 80 | 80 | 90 | 110 | — | [240] | 250 | 190 | 170 |
| 7. | 140 | 160 | 110 | 100 | 160 | 150 | 180 | 200 | 190 | 200 | [210] | 220 | +S |
| 8. | 100 | 100 | 60 | 90 | 80 | 30 | 60 | 30 | 80 | 40 | 80 | [80] | [120] |
| 9. | 80 | 110 | 110 | 140 | 150 | 160 | 130 | 130 | [150] | 170 | 140 | 130 | 20 |
| 10. | 140 | 130 | 130 | 90 | 110 | 110 | 100 | 100 | 140 | 150 | 150 | [120] | 130 |
| 11. | 180 | 150 | 110 | 130 | 130 | 120 | 140 | 170 | 170 | 170 | 190 | [200] | 200 |
| 12. | 140 | 120 | 140 | 160 | 150 | 180 | 50 | 90 | 110 | 90 | 170 | [170] | 180 |
| 13. | 200 | 170 | 150 | 150 | 100 | 120 | 150 | 170 | — | [210] | 220 | +S | +S |
| 14. | 120 | 90 | 80 | 120 | 140 | 130 | 120 | 190 | 230 | [220] | [220] | 210 | 240 |
| 15. | 150 | 160 | 130 | 180 | 160 | 190 | 200 | 190 | 220 | 140 | [200] | +S | +S |
| 16. | 0 | 50 | -10 | -20 | -90 | 0 | 30 | -20 | [-40] | [-20] | 50 | 190 | 180 |
| 17. | -100 | -170 | -90 | -30 | -60 | -80 | 0 | -20 | -110 | -20 | 30 | [40] | 80 |
| 18. | 90 | 60 | +S | 130 | 30 | 30 | 10 | -30 | -110 | [-140] | -140 | -110 | -110 |
| 19. | 100 | 60 | 120 | 180 | 160 | 90 | 140 | 150 | 70 | [130] | [80] | 110 | 80 |
| 20. | -100 | -130 | -140 | -80 | 30 | 80 | 60 | 10 | — | [10] | $\pm S$ | $\pm S$ | $\pm S$ |
| 21. | 100 | 90 | 70 | 0 | -120 | 50 | 70 | 70 | 100 | 70 | $\pm S$ | $\pm S$ | $\pm S$ |
| 22. | $\pm S$ | 40 | $\pm S$ | $\pm S$ | 50 | 70 | 90 | 110 | 120 | 120 | 110 | [100] | 110 |
| 23. | 30 | 20 | 30 | +S | -S | 70 | 100 | 180 | 230 | [230] | [210] | 190 | 160 |
| 24. | 70 | 60 | 70 | 60 | 90 | 90 | 90 | 80 | 100 | 100 | 110 | 140 | 140 |
| 25. | 80 | 70 | 50 | 50 | 30 | 90 | 140 | 110 | 120 | 120 | 130 | 150 | — |
| 26. | 110 | 130 | 130 | 120 | 130 | 130 | 140 | +S | 240 | [230] | 200 | 210 | 200 |
| 27. | 140 | 160 | 170 | 180 | 90 | 130 | 120 | 170 | — | [180] | 150 | 90 | — |
| 28. | — | — | — | — | — | — | — | — | — | — | — | — | [100] |
| Means | 80 | 72 | 72 | 81 | 62 | 83 | 92 | 98 | 103 | 111 | 128 | 130 | 116 |
| Number of days | 26 | 27 | 25 | 25 | 26 | 26 | 26 | 25 | 22 | 27 | 25 | 23 | 20 |

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Daily means | Remarks |
|-----|-----|-----|-----|------|------|------|------|------|------|------|-------------|---------|
| -80 | -30 | 50 | 10 | -20 | 70 | 10 | 60 | -10 | 110 | 130 | -8 | c r |
| 80 | 60 | 120 | 120 | 140 | 190 | 160 | 200 | 140 | 150 | 100 | — | o r f |
| 100 | 140 | 70 | 100 | 120 | 80 | 0 | 100 | 100 | 120 | 100 | 95 | o r |
| +S | 120 | 50 | 50 | 80 | 130 | 150 | 140 | 100 | 80 | 70 | — | o r |
| 100 | 90 | 70 | 110 | 120 | 130 | 130 | 120 | 100 | 80 | 80 | 95 | o |
| 170 | 120 | 150 | 120 | 120 | 190 | 170 | 150 | 150 | 170 | 140 | 137 | c |
| +S | 130 | 140 | 170 | 240 | +S | 190 | 140 | 110 | 110 | 60 | — | b z |
| 130 | ±S | ±S | ±S | +S | ±S | -S | 140 | -S | ±S | 120 | — | o s |
| 80 | 140 | ±S | ±S | ±S | 80 | 70 | 110 | 140 | 150 | 160 | — | o s |
| 140 | 170 | 170 | 160 | 160 | 150 | 150 | 160 | 140 | 110 | 120 | 135 | c |
| 210 | 230 | 240 | 260 | 190 | 150 | 80 | 120 | 120 | 100 | 170 | 164 | c |
| 200 | 200 | 200 | 190 | 190 | 180 | 120 | 130 | 140 | 120 | 170 | 150 | c |
| 220 | 210 | 190 | 190 | 140 | 160 | 180 | 190 | 200 | 170 | 150 | — | b z |
| 230 | 240 | +S | 150 | 200 | +S | 230 | 210 | 220 | 180 | 140 | — | c |
| 230 | 230 | 240 | 210 | 210 | 200 | 70 | 90 | 140 | 140 | 120 | 173 | c |
| 180 | 160 | 170 | 200 | 180 | 170 | 120 | 50 | -60 | -70 | -90 | 55 | b z |
| 110 | 150 | 170 | 200 | 160 | 170 | 70 | 100 | 80 | 100 | 120 | 38 | o s |
| 10 | -40 | 20 | 10 | 80 | 0 | 10 | 30 | 90 | 120 | 130 | 7 | o s |
| 70 | 0 | -60 | -70 | -130 | -140 | -150 | -110 | -110 | -110 | -100 | 23 | o z |
| -S | 30 | 230 | +S | +S | +S | +S | +S | 150 | 140 | 120 | — | o r m |
| +S | 180 | 170 | 160 | 210 | ±S | ±S | ±S | ±S | ±S | ±S | — | o r |
| 130 | 150 | 150 | 150 | 150 | 150 | 140 | 90 | 70 | 60 | 50 | — | c r |
| 170 | 170 | 150 | 120 | 130 | 20 | 60 | 10 | 70 | 40 | 50 | — | o |
| 130 | 130 | 140 | 150 | 170 | 180 | 180 | 160 | 120 | 130 | 90 | 116 | c |
| 180 | 160 | 140 | 130 | 160 | 210 | 200 | 160 | 130 | 160 | 150 | 129 | b |
| 220 | 190 | 150 | 140 | 140 | 140 | 100 | 90 | 130 | 180 | 170 | 157 | o r |
| — | — | — | — | — | — | — | — | — | — | — | — | o r f |
| 100 | 110 | 100 | 110 | 120 | 160 | 130 | 90 | -60 | 40 | 30 | — | o r |
| 135 | 132 | 134 | 131 | 136 | 126 | 107 | 109 | 96 | 103 | 98 | 106 | |
| 23 | 26 | 24 | 24 | 24 | 22 | 24 | 25 | 25 | 25 | 26 | | |

March

| Hour GMT Day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------|-----|-----|------|------|------|-----|-----|------|-------|-------|-------|-------|-------|
| 1. | 50 | 70 | 50 | 50 | 70 | 40 | 80 | 100 | 100 | — | 90 | 50 | 50 |
| 2. | ±S | ±S | — | — | — | — | — | — | — | — | — | — | 80 |
| 3. | ±S | 80 | 90 | 90 | 100 | — | 120 | 160 | 140 | — | 150 | 190 | 170 |
| 4. | 80 | 70 | 60 | 90 | 80 | 100 | 150 | 140 | 150 | 130 | [140] | 190 | 290 |
| 5. | 110 | 100 | 110 | 120 | 120 | 80 | 120 | 80 | 110 | 110 | [160] | 150 | 130 |
| 6. | 30 | 10 | 60 | 60 | 100 | 110 | 60 | 50 | — | [20] | 70 | 50 | 20 |
| 7. | 50 | 90 | 50 | —140 | —100 | +S | +S | 100 | —60 | —40 | —70 | [—10] | 20 |
| 8. | +S | —90 | —160 | —40 | —10 | —60 | —20 | —60 | —90 | [—30] | 20 | 50 | 70 |
| 9. | —50 | —30 | 0 | 0 | 0 | 40 | 30 | 50 | 100 | — | 100 | 100 | 100 |
| 10. | 60 | 50 | 80 | 70 | 90 | 140 | 200 | +S | +S | +S | +S | +S | +S |
| 11. | 50 | 90 | 90 | 80 | 70 | 80 | 60 | [60] | [80] | 80 | 70 | 70 | 90 |
| 12. | 60 | 60 | 50 | 70 | 70 | 70 | 120 | 130 | 110 | 60 | 120 | 130 | 140 |
| 13. | 80 | 100 | 70 | 40 | —10 | ±S | ±S | ±S | —S | — | 40 | 70 | 130 |
| 14. | 100 | 80 | 70 | 80 | 70 | 90 | +S | ±S | +S | [110] | 120 | 130 | 140 |
| 15. | 100 | 90 | 80 | 90 | 90 | 90 | 30 | 60 | [40] | 0 | 100 | 160 | 210 |
| 16. | 110 | 100 | 80 | 60 | 60 | 50 | 60 | 80 | 120 | [40] | ±S | ±S | 10 |
| 17. | 70 | 70 | 80 | 70 | 90 | 100 | 100 | 110 | 100 | 80 | [90] | +S | 110 |
| 18. | +S | 90 | 30 | 30 | 30 | 20 | 10 | —40 | —S | ±S | +S | +S | [—10] |
| 19. | 70 | 80 | 30 | 90 | 80 | 60 | 50 | 80 | 20 | 70 | [80] | +S | ±S |
| 20. | ±S | +S | 50 | —S | 60 | 70 | 80 | 100 | — | 80 | ±S | ±S | ±S |
| 21. | 110 | 110 | 110 | 110 | 90 | 90 | 130 | 140 | 170 | [150] | — | 140 | 120 |
| 22. | 20 | 30 | 40 | 10 | 20 | 70 | 120 | 120 | 130 | — | — | 110 | 110 |
| 23. | 70 | 90 | 100 | 100 | 100 | 90 | 100 | 180 | 110 | 100 | — | 40 | 90 |
| 24. | 90 | 90 | ±S | ±S | ±S | ±S | ±S | 50 | 90 | ±S | ±S | ±S | ±S |
| 25. | 60 | 60 | 50 | 50 | 50 | 60 | 70 | 80 | 100 | — | 100 | 110 | 130 |
| 26. | 230 | 230 | 160 | 110 | 170 | 200 | 210 | 230 | 260 | [250] | [200] | 160 | 150 |
| 27. | 100 | 140 | 130 | 110 | 110 | 130 | 170 | +S | 220 | 210 | [180] | 170 | 160 |
| 28. | 30 | 0 | —40 | —30 | —30 | 10 | 60 | 90 | [110] | — | 40 | 80 | 50 |
| 29. | 40 | 40 | 80 | 90 | 100 | 110 | +S | 150 | 110 | — | 60 | 100 | 130 |
| 30. | 90 | 100 | 90 | 70 | 40 | 70 | 30 | 10 | 80 | [80] | 130 | 160 | 170 |
| 31. | 80 | 50 | 50 | 60 | 90 | 100 | 120 | 110 | 110 | [110] | 130 | 180 | 190 |
| Means | 73 | 71 | 62 | 57 | 62 | 77 | 92 | 91 | 100 | 85 | 96 | 112 | 110 |
| Number of days | 26 | 29 | 29 | 28 | 29 | 26 | 25 | 26 | 24 | 19 | 22 | 23 | 27 |

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Daily means | Remarks |
|-----|-----|-----|-----|------|-----|-----|------|------|------|-----|-------------|---------|
| 70 | — | — | — | — | +S | ±S | —S | —S | —S | —S | — | o r |
| — | — | — | — | — | — | +S | — | — | ±S | —S | — | o r |
| 210 | 190 | 140 | 140 | 140 | 120 | 130 | 140 | 140 | 140 | 100 | — | c r |
| 220 | 250 | 250 | 260 | 260 | 250 | +S | +S | 210 | 160 | 160 | — | c |
| 130 | 130 | 110 | 110 | 120 | 110 | 60 | 0 | —30 | —20 | 20 | 93 | o z |
| 100 | 70 | 150 | 130 | 70 | 0 | 50 | +S | +S | 29 | 40 | — | o r z |
| 40 | 50 | 120 | 70 | 100 | 60 | 70 | 60 | 80 | 20 | ±S | — | o r m |
| 90 | 80 | 60 | 20 | —20 | 20 | —40 | —50 | 10 | —40 | —20 | —13 | c |
| 90 | 90 | 90 | 80 | 70 | 90 | 80 | 70 | 60 | 60 | 60 | 56 | c |
| +S | 80 | 80 | 80 | 60 | 50 | 90 | 80 | 70 | 70 | 60 | — | c z |
| 70 | 70 | 60 | 80 | ±S | ±S | ±S | ±S | ±S | 50 | 40 | — | o r |
| 110 | 130 | 140 | 140 | 100 | 80 | 90 | 90 | 80 | 80 | 80 | 96 | c r |
| —S | 90 | 70 | 60 | 120 | +S | +S | +S | — | [70] | 80 | — | o r |
| 140 | 140 | 140 | 130 | 100 | 100 | 120 | 120 | 130 | 140 | 120 | — | c s |
| 220 | 130 | 130 | 120 | 190 | 230 | 160 | 160 | 160 | 110 | 140 | 123 | c |
| 40 | 70 | 80 | 80 | +S | +S | 90 | 90 | 70 | 60 | 70 | — | o r |
| 90 | 80 | 90 | 110 | 100 | 120 | 110 | 90 | 60 | —20 | —90 | 79 | c |
| +S | +S | 60 | 50 | 60 | 100 | +S | 100 | 160 | 80 | 60 | — | o r |
| ±S | ±S | +S | 90 | 120 | 100 | 80 | 70 | —S | —20 | +S | — | c r |
| ±S | ±S | ±S | +S | 90 | 90 | 100 | 130 | 110 | 120 | 120 | — | c s |
| 160 | 110 | 160 | 150 | 140 | 150 | 130 | 0 | —10 | 20 | —20 | 107 | o s |
| 100 | 110 | 120 | 120 | 110 | 130 | 130 | 140 | 170 | 160 | 100 | — | o |
| 100 | 110 | 110 | 100 | 130 | +S | 70 | 60 | ±S | 100 | 100 | — | c r |
| ±S | ±S | 130 | 130 | 120 | 120 | 120 | 100 | 90 | 70 | 70 | — | c r |
| 150 | 170 | 150 | 70 | 40 | 120 | 170 | 200 | 190 | 190 | 200 | 112 | o |
| 140 | 130 | 120 | 110 | 110 | 130 | 140 | 120 | 110 | 130 | 100 | 163 | c z |
| 80 | 90 | 80 | 50 | 70 | 80 | 100 | 80 | 80 | 30 | 50 | 114 | o z |
| —20 | ±S | +S | 90 | —170 | +S | +S | —240 | —110 | —10 | 0 | — | o r z |
| 130 | 130 | 180 | 130 | 170 | 210 | 180 | 130 | 170 | 120 | 100 | — | o r |
| 160 | 130 | 140 | 100 | 100 | 130 | 120 | 120 | 120 | 100 | 90 | 101 | o r |
| 160 | 140 | 140 | 140 | 180 | 220 | 130 | 110 | 100 | 90 | 80 | 120 | o |
| 116 | 115 | 119 | 105 | 99 | 117 | 103 | 79 | 93 | 72 | 71 | 91 | |
| 24 | 24 | 26 | 28 | 27 | 24 | 24 | 25 | 24 | 29 | 27 | | |

April

| Hour GMT Day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------|-----|-----|---------|---------|-----|-----|------|-----|---------|-------|---------|---------|---------|
| 1. | 90 | 60 | 50 | 50 | 50 | 50 | 60 | 60 | 40 | [50] | 90 | 120 | 130 |
| 2. | 70 | 70 | 50 | 30 | 30 | 30 | 40 | 40 | 50 | [50] | +S | -30 | +S |
| 3. | 50 | 50 | 40 | 40 | 50 | 60 | 90 | 100 | 90 | 60 | 60 | [30] | 10 |
| 4. | 20 | 40 | -S | 50 | 30 | 50 | 50 | 60 | 70 | 60 | - | \pm S | 50 |
| 5. | - | - | - | - | - | - | - | - | - | [-10] | 90 | 120 | \pm S |
| 6. | 0 | 40 | -10 | -10 | 60 | 120 | +S | +S | \pm S | --50 | \pm S | -S | +S |
| 7. | -S | 80 | 50 | 60 | 60 | 80 | 90 | 120 | 120 | [130] | [60] | -S | +S |
| 8. | 90 | 90 | 80 | 70 | 90 | 100 | 130 | 150 | 130 | 110 | 0 | 10 | -S |
| 9. | -60 | 10 | 10 | -30 | -10 | 0 | 30 | -10 | 10 | -50 | [40] | 30 | 50 |
| 10. | 80 | 50 | 60 | 50 | 50 | 70 | 90 | 100 | 130 | - | - | 70 | 70 |
| 11. | 50 | 20 | 30 | 30 | 30 | 50 | 90 | 70 | 70 | 140 | [110] | 80 | 70 |
| 12. | 70 | 60 | 50 | 50 | 60 | 80 | 130 | 160 | 150 | [140] | [150] | 170 | 170 |
| 13. | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 14. | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 15. | - | - | - | - | - | - | - | - | - | - | [50] | [50] | 90 |
| 16. | 70 | 70 | 70 | 80 | 80 | 90 | 120 | 150 | 200 | 160 | 140 | [140] | 150 |
| 17. | - | - | - | - | - | - | - | - | - | - | [250] | 260 | 250 |
| 18. | 90 | 70 | 70 | 70 | 60 | 90 | 170 | 150 | 120 | 110 | - | -10 | 100 |
| 19. | +S | 110 | 110 | 110 | 100 | 110 | 130 | 130 | 110 | 130 | [120] | [90] | 60 |
| 20. | 70 | 70 | 80 | 70 | 90 | 110 | 130 | 130 | 170 | 150 | 120 | 110 | 100 |
| 21. | 110 | 100 | 90 | 90 | 110 | 130 | 160 | 170 | 170 | 150 | - | 110 | 100 |
| 22. | +S | +S | \pm S | \pm S | 70 | 90 | 60 | +S | -30 | 10 | 0 | -70 | 10 |
| 23. | 100 | 100 | 100 | 90 | 90 | 80 | 110 | 120 | 120 | 90 | 80 | [90] | [80] |
| 24. | 70 | 70 | 70 | 80 | 80 | 10 | 40 | 10 | [40] | - | -S | \pm S | \pm S |
| 25. | 110 | 100 | 110 | 130 | 130 | 130 | 130 | 160 | - | [90] | 100 | 110 | 120 |
| 26. | 60 | 30 | 30 | 30 | 30 | 0 | -100 | -80 | 10 | -20 | 30 | 30 | [50] |
| 27. | 120 | 120 | 120 | 90 | 90 | 110 | 130 | 120 | 130 | 140 | 170 | 190 | 200 |
| 28. | 80 | 90 | 80 | 90 | 90 | 130 | 110 | 130 | 140 | 160 | 160 | - | [180] |
| 29. | - | - | - | - | - | - | - | - | - | [150] | 140 | 130 | 140 |
| 30. | 50 | 50 | 30 | 30 | 20 | 50 | 70 | 100 | 170 | 150 | - | 180 | 160 |
| Means | 66 | 67 | 62 | 59 | 64 | 76 | 90 | 97 | 100 | 88 | 98 | 87 | 106 |
| Number of days | 21 | 23 | 22 | 23 | 24 | 24 | 23 | 22 | 22 | 24 | 20 | 23 | 22 |

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Daily means | Remarks |
|------|-------|------|-----|------|------|------|-----|-----|-----|------|-------------|---------|
| 130 | 130 | 130 | 140 | 150 | 160 | 130 | 120 | 130 | 120 | 100 | 98 | c |
| +S | +S | -S | 30 | +S | 60 | 40 | 50 | 60 | 50 | 50 | — | c |
| 40 | 60 | 60 | 60 | -120 | -210 | -140 | -10 | 40 | 40 | 40 | 25 | or |
| +S | 50 | — | — | — | — | — | — | — | — | — | — | cr |
| 90 | 110 | 40 | 60 | -20 | -20 | 0 | -20 | +S | -70 | 80 | — | or |
| 60 | 80 | 40 | -30 | 40 | -90 | +S | -S | -S | ±S | -S | — | or |
| 50 | 70 | 70 | 90 | 100 | 160 | 130 | 120 | 110 | 90 | 80 | — | or |
| -40 | 40 | 50 | 50 | 0 | 70 | 10 | -80 | -10 | 10 | -130 | 44 | or |
| — | 90 | [80] | 110 | 100 | 130 | 100 | 90 | 70 | 50 | 60 | 39 | or |
| 80 | 70 | 70 | 90 | 90 | 110 | 90 | 90 | 70 | 60 | 30 | — | c |
| 70 | 60 | 50 | 50 | 50 | 50 | 10 | 10 | 60 | 50 | 50 | 56 | c |
| 160 | 150 | 170 | 130 | 100 | 50 | — | — | — | — | — | — | cr |
| — | — | — | — | — | — | — | — | — | — | — | — | or z t |
| — | — | — | — | — | — | — | — | — | — | — | — | or f |
| 110 | 120 | 130 | 100 | 110 | 120 | 130 | 110 | 90 | 60 | 80 | — | or |
| 150 | 160 | 160 | 170 | 180 | 160 | 150 | 130 | 110 | 100 | 90 | 128 | b |
| 150 | 100 | 90 | 70 | 100 | 90 | 80 | 90 | 110 | 120 | 110 | — | c |
| 230 | 220 | 200 | ±S | ±S | ±S | ±S | 100 | 170 | 140 | 180 | — | or |
| 10 | 40 | 20 | 100 | 100 | 100 | 100 | 90 | 90 | 70 | 70 | 91 | cr |
| 100 | 110 | 110 | 120 | 130 | 130 | 140 | 150 | 140 | 110 | 100 | 114 | c |
| 20 | -60 | -20 | 0 | -80 | -30 | -70 | ±S | ±S | ±S | ±S | — | cr |
| -130 | -150 | -290 | +S | 90 | +S | 10 | 60 | 90 | 100 | 100 | — | or |
| 100 | 100 | 80 | +S | 70 | 80 | 60 | 20 | 20 | 60 | 80 | 83 | c |
| ±S | -S | 110 | +S | 119 | 100 | 100 | 100 | 110 | 120 | 100 | — | o |
| 120 | 110 | 110 | 100 | 100 | 100 | 100 | 100 | 90 | 30 | 80 | 107 | c |
| 60 | 70 | 100 | 110 | 110 | 120 | 130 | 180 | 150 | 140 | 110 | 58 | o |
| 190 | [150] | 170 | 150 | 170 | 110 | 100 | 90 | 90 | 80 | 80 | 130 | o |
| 160 | 150 | 170 | 150 | 120 | 100 | 100 | 100 | 100 | — | — | — | c |
| 170 | 170 | 170 | 140 | 160 | 110 | 100 | 100 | 80 | 40 | 30 | — | c z |
| 140 | 170 | 140 | 90 | 50 | 70 | 100 | 80 | 70 | 60 | 50 | 90 | c z |
| 93 | 91 | 85 | 90 | 80 | 73 | 71 | 78 | 89 | 71 | 70 | 81 | |
| 24 | 26 | 26 | 23 | 25 | 25 | 24 | 24 | 23 | 23 | 23 | | |

May

| Hour GMT Day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-------|-------|--------|-------|-------|-------|
| 1. | 50 | 40 | 50 | 60 | 60 | 50 | 90 | 100 | 110 | 100 | 100 | [90] | [90] |
| 2. | 50 | 60 | 70 | 70 | 50 | 50 | 50 | 20 | -50 | 30 | 30 | 40 | [50] |
| 3. | 80 | 110 | 90 | 90 | 70 | 70 | 90 | 70 | 70 | 40 | 30 | 40 | [20] |
| 4. | 20 | 80 | 100 | 90 | 90 | 80 | 40 | -70 | -100 | -180 | [-80] | -40 | 0 |
| 5. | 60 | 80 | 100 | 70 | 100 | 150 | 180 | 180 | 170 | 180 | 160 | 150 | [120] |
| 6. | 50 | 50 | 60 | 50 | 50 | 80 | 70 | 100 | [100] | 100 | 100 | 100 | 80 |
| 7. | 140 | 170 | 160 | 100 | 190 | 100 | 50 | [80] | 90 | 110 | 110 | 130 | 150 |
| 8. | 30 | 40 | 40 | 50 | 50 | 90 | 80 | 80 | 100 | — | — | 120 | 110 |
| 9. | 60 | 60 | 50 | 50 | 30 | 40 | 40 | 50 | 70 | 80 | 90 | 80 | 80 |
| 10. | 70 | 50 | 50 | 60 | 50 | 50 | 140 | 110 | 70 | [70] | 50 | 70 | 50 |
| 11. | 30 | 30 | 30 | 30 | 30 | 30 | 60 | 70 | -100 | -240 | -210 | [-90] | -30 |
| 12. | 30 | 30 | 30 | 30 | 30 | 30 | 40 | 30 | 30 | 40 | 30 | 30 | [30] |
| 13. | 50 | 50 | 50 | 40 | 40 | 60 | 90 | 70 | 70 | 70 | 40 | 30 | [30] |
| 14. | 40 | 30 | 30 | 30 | 30 | 40 | +S | 50 | 50 | 70 | 100 | 80 | 80 |
| 15. | 70 | 50 | 60 | 60 | 40 | 50 | 50 | 60 | 60 | [-130] | -110 | 10 | 30 |
| 16. | 50 | 50 | 70 | 60 | 60 | 90 | 90 | 80 | 90 | 80 | 70 | 50 | 50 |
| 17. | 50 | 30 | 0 | 40 | +S | +S | ±S | -60 | -60 | -80 | -80 | -100 | [-30] |
| 18. | 50 | 50 | 50 | 70 | 80 | 110 | 240 | 160 | 130 | 110 | -S | ±S | ±S |
| 19. | 20 | 0 | 0 | 10 | 30 | 50 | 50 | 50 | 60 | [60] | 40 | 50 | 50 |
| 20. | 140 | 110 | 80 | 60 | 70 | 70 | 90 | 150 | 150 | 150 | 150 | 120 | [120] |
| 21. | 50 | 60 | 50 | 40 | 50 | 50 | 50 | 70 | 80 | 60 | 80 | 70 | 50 |
| 22. | 30 | 20 | 10 | 30 | 40 | 50 | 60 | 60 | [70] | [90] | 80 | [20] | 40 |
| 23. | -20 | -20 | -40 | 30 | 10 | 40 | 70 | 120 | 220 | 80 | 100 | [80] | [80] |
| 24. | 20 | 50 | 50 | 40 | 40 | 50 | 50 | 30 | 20 | 10 | 0 | 10 | 30 |
| 25. | 50 | 60 | 60 | 60 | 70 | 80 | 60 | 50 | 30 | 60 | [70] | 60 | +S |
| 26. | 40 | 30 | 50 | -S | ±S | 20 | -20 | 70 | 70 | [80] | 70 | 30 | 40 |
| 27. | 40 | 30 | 40 | 30 | 20 | 30 | 80 | [110] | [110] | 100 | 70 | 60 | 40 |
| 28. | 70 | 50 | 40 | 40 | 50 | 100 | 100 | 100 | 110 | 110 | [110] | 100 | 100 |
| 29. | 50 | 40 | 30 | 40 | 40 | 90 | 100 | 100 | — | [70] | 60 | 50 | 50 |
| 30. | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 10 | 30 | 0 | 10 | [20] | [20] |
| 31. | ±S | 20 | ±S | ±S | +S | — | — | — | — | — | — | — | — |
| Means | 50 | 49 | 49 | 50 | 53 | 63 | 75 | 70 | 64 | 46 | 45 | 50 | 55 |
| Number of days | 30 | 31 | 30 | 29 | 28 | 29 | 28 | 30 | 29 | 29 | 28 | 29 | 28 |

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Daily means | Remarks |
|------|------|-----|-------|-------|------|-----|-----|-----|-----|-----|-------------|---------|
| 30 | -S | ±S | ±S | 10 | 60 | 60 | 60 | 50 | 30 | 30 | — | c r z l |
| [60] | 70 | 60 | 60 | 70 | 80 | 80 | 80 | 70 | 70 | 60 | 53 | c |
| -S | -S | ±S | ±S | ±S | 20 | 20 | +S | 80 | 60 | ±S | — | o r z |
| 30 | 30 | 50 | 80 | 90 | 90 | 70 | 40 | 40 | 40 | 80 | 28 | c r |
| 90 | 80 | 80 | 80 | 90 | 100 | 80 | 50 | 30 | 30 | 40 | 102 | c z |
| 80 | 70 | 80 | 80 | 80 | 70 | 90 | 90 | 80 | 70 | 100 | 78 | b |
| 150 | 150 | 160 | 140 | 110 | 80 | 80 | 60 | 40 | 60 | 40 | 110 | c |
| 120 | 120 | 110 | 100 | 110 | 80 | 100 | 70 | 90 | 100 | 70 | — | c |
| [90] | 110 | 100 | 100 | 100 | 100 | 70 | 60 | 70 | 50 | 50 | 70 | c |
| 90 | 80 | ±S | ±S | +S | +S | 10 | 20 | 30 | 30 | 30 | — | o r z |
| 10 | 50 | 50 | 60 | 60 | 60 | 60 | 50 | 50 | 40 | 30 | 7 | c |
| [30] | 30 | 40 | 60 | 50 | 50 | 30 | 40 | 30 | 40 | 40 | 35 | c z |
| 40 | 50 | 50 | 50 | 50 | 60 | 60 | 80 | 70 | 40 | 50 | 54 | c |
| [30] | 40 | 60 | +S | +S | +S | 70 | 70 | 70 | 60 | 60 | — | c |
| 30 | 40 | 60 | 50 | 60 | 60 | 50 | 50 | 50 | 50 | 60 | 36 | o |
| 50 | [60] | 70 | +S | 40 | 30 | 30 | 20 | 0 | 50 | 40 | 56 | o r |
| ±S | ±S | ±S | 80 | 90 | 140 | 130 | 130 | 120 | 90 | 60 | — | o r l |
| +S | +S | 110 | 100 | 90 | 60 | 40 | 50 | 70 | 60 | 50 | — | o r |
| 90 | 110 | 130 | 130 | 140 | 150 | 170 | 120 | 110 | 110 | 130 | 78 | o |
| 130 | 110 | 100 | 100 | [120] | [70] | 50 | 50 | 50 | 60 | 60 | 98 | c |
| 60 | 80 | 60 | [60] | 70 | 60 | 70 | 60 | 50 | 50 | 40 | 59 | c |
| 50 | 50 | +S | +S | ±S | -160 | 50 | 90 | -40 | -90 | 0 | — | o r |
| 90 | 80 | 80 | 80 | 100 | 50 | +S | ±S | ±S | ±S | +S | — | o r t |
| 40 | 60 | 80 | [100] | 100 | 100 | 100 | 90 | 80 | 50 | 60 | 53 | c r |
| +S | -50 | 60 | 40 | 50 | 40 | 50 | 60 | 60 | 60 | 50 | — | c |
| 30 | 10 | 40 | 50 | 70 | 70 | 70 | 60 | 50 | 60 | 50 | — | c |
| 30 | 40 | 50 | 60 | 70 | 50 | 60 | 60 | 40 | 50 | 70 | 56 | o |
| 100 | 100 | 100 | 100 | 100 | 100 | 80 | 50 | 50 | 50 | 50 | 82 | c |
| 50 | 60 | 80 | 80 | 100 | 70 | 20 | 20 | 30 | 30 | 20 | 56 | c |
| 30 | 20 | 20 | 30 | 30 | 40 | 70 | 100 | 20 | ±S | ±S | — | c r |
| — | — | — | — | — | — | — | — | — | — | — | — | o p z |
| 63 | 63 | 75 | 78 | 79 | 64 | 66 | 64 | 53 | 50 | 53 | 59 | |
| 26 | 26 | 25 | 24 | 26 | 28 | 29 | 28 | 29 | 28 | 27 | | |

June

| Hour GMT Day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------|----|----|----|-----|-----|-----|-----|-----|-------|-------|-------|-------|---------|
| 1. | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2. | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 3. | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 4. | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 5. | — | — | — | — | — | — | — | — | — | — | — | — | 70 |
| 6. | 50 | 80 | 90 | 110 | 120 | 130 | 80 | 90 | 150 | 130 | [140] | 130 | 110 |
| 7. | 60 | 60 | 70 | 50 | 70 | 100 | 60 | 70 | 50 | 40 | 40 | 30 | [50] |
| 8. | 40 | 50 | 50 | 50 | 70 | 50 | 50 | 40 | [60] | [80] | 100 | 110 | $\pm S$ |
| 9. | — | — | — | — | — | — | — | — | — | [20] | 40 | 30 | 0 |
| 10. | 60 | 20 | 30 | 50 | 50 | 30 | 20 | 20 | 20 | 10 | 10 | 10 | 2J |
| 11. | 90 | 70 | 70 | 80 | 80 | 90 | 90 | 100 | 100 | 80 | 70 | [30] | [100] |
| 12. | 20 | 20 | 20 | 20 | 40 | 50 | 50 | 50 | — | [110] | 100 | 90 | 80 |
| 13. | 70 | 50 | 10 | 50 | 50 | 50 | 40 | 30 | 50 | [100] | 50 | 90 | 110 |
| 14. | 50 | 50 | 50 | 50 | 70 | 80 | 90 | 110 | 90 | 70 | [50] | [80] | $\pm S$ |
| 15. | 50 | 50 | 40 | 50 | 50 | 50 | 40 | —90 | 50 | [70] | 70 | 60 | 50 |
| 16. | 90 | 70 | 70 | 60 | 80 | 90 | 120 | 150 | 150 | 160 | 160 | [130] | [120] |
| 17. | 50 | 50 | 50 | 50 | 50 | 50 | 50 | — | — | — | — | — | — |
| 18. | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 19. | — | — | — | — | — | — | — | — | [170] | 160 | 120 | 110 | 90 |
| 20. | 60 | 70 | 70 | 70 | 90 | 70 | 70 | 60 | 70 | 110 | 120 | 120 | 120 |
| 21. | 50 | 50 | 50 | 60 | 60 | 60 | 50 | 30 | 40 | 30 | 40 | 40 | 40 |
| 22. | 50 | 50 | 50 | 50 | 50 | 60 | 110 | 120 | 110 | 110 | [100] | 80 | 70 |
| 23. | 60 | 50 | 50 | 40 | 60 | 80 | 60 | 60 | [60] | [50] | 60 | 60 | 60 |
| 24. | 70 | 40 | 40 | 80 | 70 | 70 | 30 | 40 | 70 | 90 | 70 | 70 | [70] |
| 25. | 40 | 40 | 40 | 50 | 60 | 70 | 70 | 70 | 70 | 70 | — | 50 | 30 |
| 26. | 50 | 50 | 40 | 50 | 70 | 70 | 70 | 70 | [70] | — | [40] | [20] | 20 |
| 27. | 40 | 40 | 60 | 70 | 60 | 70 | 60 | 30 | 20 | 30 | 30 | 30 | [30] |
| 28. | 60 | 60 | 60 | 60 | 60 | 80 | 110 | 130 | 150 | 130 | 110 | 130 | 100 |
| 29. | 20 | 40 | 40 | 20 | 20 | +S | +S | +S | 170 | [150] | 130 | 120 | 100 |
| 30. | 50 | 30 | 40 | 40 | 60 | 80 | 60 | 80 | [80] | 80 | 90 | 90 | 100 |
| Means | 54 | 50 | 50 | 55 | 63 | 70 | 66 | 63 | 86 | 85 | 79 | 74 | 70 |
| Number of days | 22 | 22 | 22 | 22 | 22 | 21 | 21 | 20 | 21 | 22 | 22 | 23 | 22 |

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Daily means | Remarks |
|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|---------|
| — | — | — | — | — | — | — | — | — | — | — | — | o r t |
| — | — | — | — | — | — | — | — | — | — | — | — | c |
| — | — | — | — | — | — | — | — | — | — | — | — | c |
| — | — | — | — | — | — | — | — | — | — | — | — | c |
| 50 | 50 | 40 | 40 | 30 | ±S | 30 | 100 | 70 | 50 | 50 | — | c r |
| 130 | 80 | 70 | 50 | 50 | 80 | 70 | 50 | 50 | 50 | 50 | 89 | o r |
| +S | +S | ±S | 60 | 30 | ±S | ±S | 50 | 40 | 40 | 40 | — | o z |
| ±S | ±S | 130 | 100 | — | — | — | — | — | — | — | — | c p l |
| 10 | 10 | 20 | —30 | —20 | 30 | 50 | 80 | 100 | 110 | 80 | — | o r |
| 50 | 70 | 120 | 120 | 100 | 80 | 70 | 110 | 100 | 80 | 90 | 56 | o |
| +S | 40 | +S | 10 | 70 | 60 | 50 | 50 | 50 | 40 | 20 | — | c |
| 80 | 90 | 80 | 50 | 50 | 50 | 50 | 100 | 80 | 60 | 80 | 62 | c r z |
| 120 | 80 | 100 | 110 | 120 | 130 | 120 | 120 | 50 | 70 | 70 | 78 | o r |
| +S | 50 | 50 | 70 | 90 | 90 | 110 | 110 | 70 | 50 | 50 | — | c |
| 60 | 80 | 70 | 90 | 90 | 80 | 90 | 100 | 100 | 100 | 100 | 63 | o |
| 160 | 160 | 120 | 170 | 180 | 200 | 140 | 140 | 100 | 80 | 50 | 123 | c |
| — | — | — | — | — | — | — | — | — | — | — | — | o |
| — | — | — | — | — | — | — | — | — | — | — | — | c |
| 80 | 120 | +S | +S | — | — | — | —10 | 70 | 90 | 70 | — | c z |
| [110] | 160 | +S | +S | 60 | 70 | 100 | 80 | 50 | 50 | 50 | — | c |
| 60 | [60] | 70 | 50 | 90 | 70 | 100 | 70 | 50 | 30 | 40 | 54 | c |
| 80 | 100 | 90 | 100 | 100 | 110 | 110 | 110 | 100 | 90 | 80 | 87 | c |
| 70 | 70 | 80 | 90 | 90 | 80 | 70 | 70 | 70 | 70 | 70 | 66 | b |
| 10 | +S | +S | +S | 60 | 60 | 60 | 60 | 70 | 70 | 40 | — | c |
| 30 | 40 | 60 | 60 | 70 | 70 | 60 | 80 | 80 | 70 | 70 | 59 | c |
| 10 | 30 | 30 | 40 | 50 | 60 | 60 | 40 | 40 | 40 | 40 | 46 | |
| 30 | 10 | 60 | 60 | 80 | 90 | 80 | 90 | 90 | 80 | 60 | 54 | c |
| 80 | 80 | +S | ±S | 110 | ±S | ±S | ±S | ±S | ±S | +S | — | o r |
| 100 | 100 | 100 | 80 | 60 | 70 | 70 | 60 | 60 | 60 | 40 | — | c r |
| 90 | 100 | 110 | 100 | 110 | 100 | 90 | 100 | 80 | 70 | 80 | 80 | c |
| 71 | 75 | 78 | 71 | 76 | 83 | 79 | 80 | 73 | 66 | 60 | 70 | |
| 20 | 21 | 18 | 20 | 22 | 19 | 20 | 22 | 22 | 22 | 22 | | |

July

| Hour GMT | | | | | | | | | | | | | |
|----------------|-----|-----|-----|-----|-----|-----|-------|-----|-------|-------|------|-------|-------|
| Day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1. | 60 | 60 | 60 | 60 | 80 | 110 | 100 | 120 | 150 | 140 | 130 | [120] | [100] |
| 2. | 60 | 40 | 30 | 40 | 40 | 50 | 50 | 20 | 20 | 10 | 20 | 20 | [30] |
| 3. | 50 | 40 | 40 | 50 | 60 | 60 | 70 | 70 | — | [—40] | —10 | 10 | 40 |
| 4. | 80 | 60 | 50 | 40 | 70 | 110 | 110 | 120 | 120 | 100 | 90 | [100] | [90] |
| 5. | 60 | 100 | 100 | 90 | 100 | 100 | — | — | — | — | — | — | — |
| 6. | 40 | 40 | 30 | 50 | 50 | 60 | 80 | 120 | 150 | [160] | 150 | 140 | 110 |
| 7. | 60 | 40 | 60 | 40 | 50 | 40 | 20 | 40 | 40 | 30 | 20 | [20] | 30 |
| 8. | 30 | 30 | 40 | 40 | 40 | 40 | 60 | 60 | 60 | 60 | 30 | [30] | 30 |
| 9. | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10. | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 11. | — | — | — | — | — | — | — | — | — | [150] | 140 | 140 | 130 |
| 12. | 80 | 70 | 90 | 60 | 70 | 80 | [110] | 120 | 110 | 100 | 70 | 70 | 70 |
| 13. | 50 | 50 | 50 | 70 | 70 | 70 | [70] | 60 | 50 | 30 | 30 | 30 | 30 |
| 14. | 50 | 40 | 40 | 40 | 40 | 50 | [50] | 50 | 40 | 50 | 40 | 40 | 60 |
| 15. | 50 | 40 | 40 | 60 | 60 | 100 | [100] | 100 | 110 | 100 | 100 | 110 | 130 |
| 16. | 50 | 50 | 70 | 60 | 30 | 50 | 60 | 60 | 60 | [80] | 70 | 70 | 90 |
| 17. | 70 | 60 | 50 | 90 | 90 | 100 | 110 | — | — | — | — | ±S | ±S |
| 18. | 50 | 50 | 60 | 20 | 40 | 100 | 150 | 150 | 150 | 140 | 140 | 140 | [130] |
| 19. | 100 | 110 | 100 | 100 | 100 | 170 | 140 | 140 | 190 | 210 | 190 | [180] | [190] |
| 20. | 50 | 60 | 50 | 70 | 70 | 70 | 50 | 50 | 80 | 60 | [90] | [90] | 70 |
| 21. | +S | ±S | ±S | ±S | ±S | +S | 70 | 180 | [110] | 90 | 60 | 60 | 40 |
| 22. | +S | 60 | 60 | 60 | 30 | 50 | 70 | 70 | — | 100 | [80] | 60 | 60 |
| 23. | —S | 40 | 50 | 30 | 60 | 90 | 120 | 110 | 100 | 90 | 70 | 80 | 60 |
| 24. | 60 | 50 | 40 | 60 | 70 | 90 | 90 | 100 | — | 100 | 100 | +S | —S |
| 25. | 60 | 50 | 50 | 60 | 70 | 110 | 90 | 80 | 80 | [70] | [80] | 80 | 80 |
| 26. | ±S | —40 | 60 | 20 | 20 | 40 | —S | +S | [80] | 110 | 60 | +S | 180 |
| 27. | 30 | 10 | 20 | 20 | 30 | 50 | 90 | 70 | [70] | 80 | 60 | 60 | 60 |
| 28. | 30 | 30 | 40 | 40 | 50 | 60 | 70 | 70 | 60 | [60] | 60 | 60 | 90 |
| 29. | 30 | 40 | 40 | 40 | 20 | 40 | 60 | 50 | 50 | 40 | 60 | [70] | [70] |
| 30. | 20 | 20 | 20 | 10 | 20 | 20 | 20 | 30 | 40 | 40 | 70 | 60 | [70] |
| 31. | 20 | 20 | 20 | 20 | 20 | 50 | 60 | 50 | — | [70] | 90 | 120 | 120 |
| Means | 52 | 45 | 50 | 50 | 54 | 73 | 80 | 84 | 87 | 83 | 77 | 78 | 83 |
| Number of days | 24 | 27 | 27 | 27 | 27 | 27 | 26 | 25 | 22 | 27 | 27 | 25 | 26 |

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Daily means | Remarks |
|-------|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------------|---------|
| 100 | 100 | 70 | 60 | 50 | 60 | 70 | 60 | 40 | 40 | 50 | 83 | c z |
| 40 | 40 | 40 | 40 | 50 | 40 | 40 | 40 | 40 | 60 | 40 | 38 | c z |
| 50 | 70 | 70 | 60 | 80 | +S | ±S | +S | 70 | ±S | ±S | — | c r |
| 90 | 90 | 100 | 90 | 90 | 80 | 80 | 60 | 50 | 60 | 60 | 83 | c r |
| — | — | [130] | 130 | 130 | 150 | 140 | 140 | 120 | 90 | 60 | — | o |
| 100 | 100 | 120 | 130 | 140 | 130 | 100 | 90 | 80 | 60 | 50 | 95 | b |
| 20 | 30 | 40 | 40 | 50 | 40 | 50 | 50 | 50 | 50 | 40 | 40 | c |
| 30 | 60 | 60 | 60 | 60 | 50 | 20 | 20 | 20 | 40 | ±S | 42 | o r z |
| — | — | — | — | — | — | — | — | — | — | — | — | o r z |
| — | — | — | — | — | — | — | — | — | — | — | — | c r |
| 110 | 100 | 100 | 110 | 120 | 110 | 90 | 100 | 100 | 110 | 100 | — | c |
| 70 | 80 | 70 | 70 | 60 | 60 | 50 | 50 | 70 | 70 | 70 | 76 | b |
| 40 | 50 | 50 | 60 | 80 | 70 | 60 | 60 | 70 | 70 | 70 | 56 | c |
| 50 | 50 | 70 | 70 | 90 | 100 | 90 | 70 | 70 | 50 | 50 | 56 | c |
| 140 | ±S | ±S | ±S | ±S | +S | 10 | 40 | 60 | 30 | 50 | — | o r |
| 70 | 60 | 70 | 90 | 90 | 120 | 120 | 130 | 100 | 90 | 90 | 76 | c |
| ±S | +S | 160 | 120 | 100 | 70 | 70 | 60 | 60 | 60 | 60 | — | o r z |
| [130] | 120 | 130 | 140 | 140 | 150 | 170 | 100 | 90 | 100 | 90 | 112 | b z |
| 140 | 140 | 140 | 130 | 80 | 120 | 140 | 110 | 100 | 60 | 70 | 131 | c z |
| 60 | 50 | 50 | 60 | 60 | 60 | 60 | 60 | 50 | 50 | 50 | 61 | c r z |
| 40 | 50 | 60 | 50 | 60 | 60 | 70 | 70 | — | ±S | ±S | — | o r |
| 60 | 60 | 70 | 80 | 100 | 140 | 100 | 100 | 110 | —S | ±S | — | c r |
| 60 | ±S | ±S | ±S | 70 | 80 | 70 | ±S | ±S | —S | 50 | — | c r |
| —S | ±S | ±S | 20 | 40 | 40 | 40 | 60 | 60 | 60 | 90 | — | c r |
| 90 | 70 | 90 | 70 | 60 | 60 | 40 | 40 | 60 | 20 | ±S | 68 | o r |
| 160 | 80 | 20 | 10 | 20 | 20 | 20 | 20 | 10 | 20 | 20 | — | o r z |
| 60 | 70 | 80 | 80 | 60 | 60 | 50 | 40 | 40 | 40 | 40 | 53 | c |
| 100 | 100 | 70 | 40 | 40 | 30 | 30 | 30 | 20 | 30 | 40 | 52 | c |
| 90 | 80 | 60 | —S | ±S | 70 | 50 | 40 | 40 | 40 | 20 | — | c z |
| 80 | 80 | 70 | 40 | 20 | 40 | 40 | 50 | 40 | 40 | 20 | 40 | c |
| 120 | 100 | 70 | 60 | 60 | 50 | 40 | 50 | 50 | 50 | 50 | 59 | b |
| 81 | 76 | 79 | 73 | 74 | 76 | 68 | 64 | 62 | 56 | 55 | 69 | |
| 26 | 24 | 26 | 26 | 27 | 27 | 28 | 27 | 27 | 25 | 24 | | |

August

| Hour GMT Day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------|-----|------|---------|---------|---------|------|-------|---------|---------|---------|---------|-------|-------|
| 1. | 40 | 30 | 40 | 40 | 50 | 60 | 90 | 70 | 80 | 90 | 110 | 100 | [90] |
| 2. | 20 | 20 | 20 | 40 | 40 | 50 | 60 | — | — | — | — | — | — |
| 3. | 40 | 40 | $\pm S$ | $\pm S$ | $\pm S$ | $-S$ | 90 | 150 | $\pm S$ | $\pm S$ | $-S$ | 110 | 90 |
| 4. | 70 | 50 | 50 | 70 | 70 | 70 | — | — | — | — | — | — | — |
| 5. | 70 | 70 | 70 | 110 | 110 | 120 | 130 | [90] | 80 | 90 | 80 | 80 | [40] |
| 6. | 120 | 60 | 90 | 90 | 120 | 150 | 180 | 200 | 90 | $+S$ | $\pm S$ | $+S$ | 150 |
| 7. | -70 | -240 | -70 | -100 | -30 | -30 | 0 | 110 | — | $+S$ | $+S$ | 200 | 180 |
| 8. | 70 | 70 | 70 | 70 | 80 | 100 | 100 | [80] | [110] | 90 | 80 | 70 | 70 |
| 9. | 70 | 80 | 80 | 80 | 90 | 100 | [110] | — | — | — | — | — | — |
| 10. | 50 | 40 | 40 | 60 | 80 | 120 | 110 | 100 | 100 | 110 | 100 | 90 | [80] |
| 11. | 80 | 70 | 60 | 60 | 60 | 80 | 70 | $\pm S$ | $\pm S$ | $\pm S$ | 50 | 100 | [70] |
| 12. | 60 | 60 | 50 | 40 | 50 | 90 | 150 | 100 | 100 | 90 | 70 | [90] | 70 |
| 13. | 20 | 20 | 20 | 20 | 20 | -80 | [-20] | 20 | 30 | 30 | $+S$ | 70 | 70 |
| 14. | 50 | 30 | 30 | 40 | 40 | 70 | 110 | $+S$ | — | [100] | 110 | 120 | 120 |
| 15. | 90 | 80 | 80 | 90 | 90 | 90 | 120 | 160 | 110 | 140 | 120 | [100] | 80 |
| 16. | 50 | 40 | 40 | 40 | 40 | 60 | 70 | 90 | 100 | [90] | 70 | 60 | 50 |
| 17. | 40 | 50 | 50 | 50 | 70 | 100 | 120 | 110 | 70 | 70 | 80 | 90 | $+S$ |
| 18. | 120 | 100 | 70 | 100 | 70 | 70 | 110 | 110 | [150] | 160 | 160 | 130 | 120 |
| 19. | 80 | 70 | 60 | 50 | 70 | 70 | 90 | 120 | [130] | 160 | 150 | 100 | 70 |
| 20. | 30 | 20 | 20 | 20 | 20 | 40 | 50 | 70 | [70] | [90] | 70 | 60 | 60 |
| 21. | 40 | 40 | 70 | 40 | 30 | 70 | 80 | 140 | — | [120] | 90 | 100 | 100 |
| 22. | 30 | 30 | 20 | 20 | 30 | 60 | 90 | 80 | 120 | [150] | 150 | 90 | 90 |
| 23. | 40 | 40 | 40 | 30 | 40 | 50 | 100 | 70 | 90 | 120 | 120 | 110 | [100] |
| 24. | 40 | 40 | 40 | 30 | 40 | 70 | 80 | 50 | 60 | [70] | [70] | 60 | 40 |
| 25. | 40 | 40 | 40 | 30 | 20 | 30 | 30 | 70 | [60] | [60] | 70 | 80 | 70 |
| 26. | 70 | 70 | 50 | 70 | 100 | 120 | $+S$ | $+S$ | 170 | 120 | 120 | [90] | 70 |
| 27. | 70 | 70 | $\pm S$ | $\pm S$ | 40 | 90 | 110 | 70 | 90 | [70] | 80 | 80 | 80 |
| 28. | 70 | 70 | 70 | 80 | 70 | 70 | 70 | 70 | — | — | — | 90 | 100 |
| 29. | 100 | 60 | 70 | 60 | 90 | 80 | 150 | 160 | 150 | 130 | 120 | 110 | 100 |
| 30. | 50 | 30 | 40 | 40 | 50 | 50 | 60 | 90 | — | — | — | — | — |
| 31. | 40 | 30 | 30 | 30 | 50 | 40 | 60 | — | — | — | — | — | — |
| Means | 55 | 41 | 46 | 48 | 57 | 69 | 89 | 99 | 98 | 102 | 99 | 95 | 86 |
| Number of days | 31 | 31 | 29 | 29 | 30 | 30 | 29 | 24 | 20 | 21 | 21 | 25 | 25 |

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Daily means | Remarks |
|-----|------|------|-----|------|-----|-----|-----|-----|-----|-----|-------------|---------|
| 90 | 90 | 70 | 30 | 40 | 50 | 40 | 30 | 20 | 20 | 20 | 58 | c z |
| — | — | — | — | [70] | 60 | 40 | 30 | 30 | 30 | 40 | — | c r |
| 160 | 140 | [80] | 40 | 20 | 20 | 40 | 40 | 50 | 60 | 80 | — | c r |
| — | — | — | — | [60] | 70 | 70 | 50 | 70 | 70 | 50 | — | c |
| ±S | ±S | +S | +S | ±S | +S | 40 | 80 | 120 | 100 | 90 | — | o r z |
| ±S | [90] | ±S | +S | +S | +S | 50 | 70 | +S | ±S | 60 | — | c r |
| 210 | 180 | 180 | 150 | 160 | 160 | 180 | 160 | 140 | 120 | 100 | — | o r |
| 70 | 70 | 80 | 80 | 80 | 90 | 80 | 70 | 70 | 60 | 70 | 78 | c |
| — | — | — | — | — | — | 70 | 70 | 60 | 70 | 70 | — | c |
| 70 | 60 | 20 | +S | --S | 120 | ±S | 80 | 70 | 110 | 100 | — | o r |
| 30 | 60 | 40 | 70 | 70 | 70 | 90 | 80 | 60 | 70 | 60 | — | c r |
| 50 | 60 | 50 | 50 | 60 | 70 | 50 | 40 | 30 | 30 | 20 | 64 | c r |
| 40 | 60 | 20 | 70 | 70 | 60 | 80 | 80 | 70 | 50 | 50 | 38 | o r |
| 100 | 90 | 90 | 70 | 90 | 90 | 100 | 80 | 90 | 80 | 90 | — | c r |
| 60 | 90 | 90 | 100 | 110 | 120 | 70 | 80 | 50 | 50 | 40 | 92 | c |
| 30 | 70 | ±S | +S | ±S | 30 | 50 | 40 | 40 | 50 | 30 | — | c d |
| ±S | ±S | ±S | ±S | ±S | 90 | 100 | 80 | 90 | 80 | 140 | — | c r |
| 120 | 120 | 120 | 110 | 110 | 110 | 80 | 80 | 80 | 100 | 80 | 108 | c |
| 60 | 50 | 40 | 50 | 50 | 70 | 70 | 60 | 50 | 50 | 40 | 75 | c |
| 80 | 120 | 20 | 40 | 40 | 70 | 90 | 120 | 90 | 80 | 90 | 61 | o f |
| 110 | 160 | 100 | 120 | 120 | 120 | 150 | 110 | 70 | 50 | 40 | 87 | c |
| 100 | 90 | 100 | 120 | 110 | 90 | 80 | 70 | 70 | 70 | 50 | 80 | c |
| 120 | 120 | 120 | 120 | 90 | 90 | 90 | 70 | 50 | 50 | 50 | 80 | c |
| ±S | ±S | 30 | 70 | 80 | 100 | 60 | 60 | 40 | 50 | 40 | — | c f |
| 50 | 50 | 70 | 50 | —90 | 50 | 70 | 80 | 70 | 70 | 70 | 49 | o r f |
| 60 | 90 | 100 | 80 | 70 | 90 | 90 | 110 | 90 | 70 | 90 | — | c r f |
| 90 | 90 | 80 | —70 | 50 | 90 | 70 | 70 | 60 | 60 | 70 | — | c |
| 100 | 80 | 90 | 90 | 70 | 90 | 100 | 80 | 80 | 90 | 100 | — | c z |
| 80 | [70] | 60 | 50 | 50 | 50 | 60 | 50 | 40 | 50 | 60 | 83 | c z |
| — | [80] | [80] | 50 | 60 | 70 | 60 | 60 | 50 | 40 | 40 | — | o z |
| 30 | [40] | 50 | 60 | 50 | 40 | 40 | 40 | 50 | 50 | 30 | — | o z |
| 83 | 86 | 74 | 70 | 68 | 80 | 75 | 72 | 65 | 64 | 63 | 74 | |
| 23 | 25 | 24 | 23 | 25 | 28 | 30 | 31 | 30 | 30 | 31 | | |

September

| Hour GMT | | | | | | | | | | | | | |
|----------------|------|------|-----|-----|-----|------|-------|------|------|-------|-------|------|-------|
| Day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1. | 30 | 20 | 20 | 20 | 20 | 30 | 50 | 40 | 50 | 60 | [70] | 70 | 100 |
| 2. | 50 | 40 | 30 | 40 | 30 | 60 | 90 | 130 | 80 | [80] | [70] | 60 | 60 |
| 3. | 70 | 80 | 60 | 60 | 60 | 60 | [100] | 100 | 110 | 100 | 100 | 60 | 60 |
| 4. | 50 | 50 | 50 | 50 | 50 | 60 | 60 | [60] | — | — | [70] | 40 | 40 |
| 5. | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 6. | 50 | 30 | 40 | 50 | 40 | 50 | [120] | — | — | — | — | 120 | [120] |
| 7. | 20 | 10 | 20 | 40 | 50 | 50 | 60 | 60 | 110 | [120] | 120 | 120 | 140 |
| 8. | 60 | 50 | 60 | 50 | 70 | 80 | 80 | 90 | 90 | 120 | [130] | 120 | 120 |
| 9. | —10 | 0 | ±S | +S | ±S | +S | +S | +S | +S | ±S | ±S | 0 | —10 |
| 10. | ±S | ±S | ±S | —S | ±S | —110 | +S | +S | —180 | 20 | —40 | 40 | [110] |
| 11. | 80 | 80 | 70 | 70 | 60 | 80 | +S | +S | — | — | 100 | 50 | —20 |
| 12. | 80 | 70 | 90 | 90 | 90 | 120 | 120 | 120 | 110 | 120 | 120 | 80 | 40 |
| 13. | —120 | —210 | 20 | 10 | 30 | 50 | 90 | 150 | 130 | 90 | 120 | 120 | 90 |
| 14. | 80 | 70 | 70 | 70 | 70 | 80 | 90 | 80 | 70 | 40 | 60 | 50 | 90 |
| 15. | 90 | 90 | 50 | 50 | 110 | 120 | +S | +S | 110 | 90 | 30 | 40 | 80 |
| 16. | 60 | 10 | 0 | —60 | —80 | —110 | —S | +S | —40 | 60 | —S | —S | 50 |
| 17. | 0 | 20 | —70 | —40 | —80 | 50 | —70 | 80 | +S | +S | 160 | 90 | 60 |
| 18. | 30 | 30 | 40 | 40 | 40 | 40 | 70 | 60 | — | [80] | 80 | 100 | 120 |
| 19. | 90 | 80 | 100 | 90 | 90 | 80 | 90 | 160 | 100 | 90 | [90] | 80 | 70 |
| 20. | 30 | 40 | 40 | 40 | 50 | 90 | 90 | 60 | 90 | 50 | 70 | 90 | [70] |
| 21. | 50 | 50 | 60 | 60 | 50 | 50 | 90 | 70 | [50] | 60 | 90 | 80 | 90 |
| 22. | 40 | 0 | 30 | 50 | 50 | 50 | —10 | —10 | 40 | 50 | 20 | 20 | +S |
| 23. | 70 | 70 | 50 | 60 | 60 | 90 | 130 | +S | +S | 180 | 100 | [80] | 70 |
| 24. | 90 | 90 | 100 | 110 | 120 | 90 | +S | +S | 120 | 100 | 90 | [90] | 120 |
| 25. | 140 | +S | +S | +S | +S | +S | +S | +S | +S | — | — | [90] | 110 |
| 26. | 100 | +S | +S | +S | +S | +S | +S | +S | +S | +S | 100 | 90 | 90 |
| 27. | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 28. | 80 | 60 | 50 | 50 | 50 | 70 | +S | — | — | — | — | — | +S |
| 29. | 90 | 50 | 90 | 80 | 60 | 70 | +S | +S | +S | 140 | [120] | 110 | 120 |
| 30. | 80 | 80 | 80 | 110 | 80 | 70 | +S | 130 | 50 | 60 | 70 | 60 | 80 |
| Means | 55 | 38 | 48 | 50 | 49 | 55 | 74 | 86 | 64 | 86 | 84 | 75 | 80 |
| Number of days | 27 | 25 | 24 | 24 | 24 | 25 | 17 | 16 | 17 | 20 | 23 | 26 | 26 |

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Daily means | Remarks |
|-------|-----|------|-----|-----|-----|-----|------|-----|-----|-----|-------------|---------|
| 170 | ±S | ±S | +S | 30 | 40 | 30 | 20 | 40 | 50 | 60 | — | o d t |
| 60 | 60 | 80 | 100 | 80 | 90 | 90 | 70 | 60 | 100 | 80 | 70 | c |
| 80 | 80 | 90 | 100 | 90 | 90 | 80 | 70 | 70 | 60 | 40 | 78 | c |
| 50 | 50 | 50 | 50 | 70 | 80 | 90 | 20 | — | — | — | — | c |
| [160] | 140 | [90] | 90 | 90 | 120 | 90 | 50 | 50 | 60 | 50 | — | o |
| 120 | 90 | 80 | 50 | 60 | 70 | 50 | 40 | 50 | 40 | 40 | — | c z |
| 150 | 150 | 150 | 130 | 120 | 120 | 90 | 70 | 60 | 50 | 60 | 86 | c |
| 100 | 70 | 70 | 50 | 60 | ±S | ±S | ±S | ±S | -S | -40 | — | c r t |
| 30 | 120 | 40 | 80 | 90 | 110 | 130 | 180 | 190 | +S | -60 | — | o r f |
| 70 | 10 | 50 | 50 | 50 | 40 | 80 | 120 | 120 | 120 | 80 | — | o r z |
| 40 | 70 | 60 | 80 | 90 | 70 | 70 | 70 | 70 | 60 | 60 | — | o r z |
| -S | -10 | 160 | 130 | 40 | 0 | 10 | 100 | 100 | 110 | 60 | 85 | o r z |
| 60 | 70 | 60 | 80 | 110 | 120 | 130 | 110 | 120 | 80 | 90 | 67 | o r |
| 90 | 90 | 90 | 90 | 80 | 60 | 80 | 90 | 120 | 120 | 80 | 80 | o r z |
| 90 | 80 | [40] | ±S | ±S | ±S | ±S | --90 | -10 | 20 | 20 | — | o r z |
| 30 | 50 | +S | -30 | ±S | -30 | 20 | 50 | 80 | 30 | 20 | — | o r z |
| 60 | 70 | 70 | 50 | 50 | 60 | 70 | 80 | 60 | 50 | 50 | — | o r z |
| 120 | 120 | 120 | 90 | 90 | 90 | 80 | 90 | 90 | 90 | 120 | 80 | c |
| 70 | 80 | 70 | 70 | 90 | 50 | 50 | 50 | 30 | 30 | 20 | 76 | c f |
| 70 | 60 | 90 | 80 | 80 | +S | 160 | 110 | 70 | 80 | 50 | — | o r z |
| 100 | 100 | 90 | 90 | 70 | 50 | 20 | 10 | 20 | 10 | -40 | 57 | c |
| +S | ±S | ±S | -S | -S | 120 | 100 | 150 | 100 | 80 | 60 | — | o r z |
| 70 | 70 | 70 | 60 | 50 | 60 | 60 | 70 | 60 | 60 | 90 | — | c r z |
| 110 | 120 | 100 | 90 | 50 | 40 | 80 | 50 | 50 | 70 | 110 | — | o f |
| 120 | 100 | 100 | 90 | 110 | 120 | 140 | 160 | 170 | 110 | 140 | — | o f |
| [100] | 120 | 120 | 120 | — | — | — | — | — | — | — | — | o f |
| — | 170 | 170 | 140 | 120 | 90 | 80 | 80 | 60 | 80 | 90 | — | c z |
| ±S | 180 | 120 | 140 | 140 | 130 | 140 | 120 | 80 | 60 | 60 | — | o r z |
| 150 | 130 | 110 | 100 | 120 | 120 | 100 | 90 | 90 | 80 | 50 | — | c z |
| 80 | 80 | 80 | 70 | 50 | 50 | 80 | 90 | 80 | 80 | 90 | 77 | o f |
| 90 | 90 | 90 | 83 | 80 | 75 | 81 | 76 | 77 | 68 | 55 | 71 | |
| 26 | 28 | 27 | 27 | 26 | 26 | 27 | 28 | 27 | 26 | 28 | | |

October

| Hour GMT Day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|
| 1. | 100 | 90 | 100 | 90 | 50 | 90 | 90 | 120 | 140 | 150 | 160 | 160 | 160 |
| 2. | 30 | 40 | 30 | 50 | 50 | 50 | 50 | 50 | — | — | 60 | 50 | 30 |
| 3. | 110 | 220 | 170 | 90 | 130 | 170 | 180 | 140 | 110 | 70 | 60 | [50] | 70 |
| 4. | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 5. | — | — | — | — | — | — | — | — | — | — | — | — | 60 |
| 6. | 80 | 70 | 50 | 70 | 70 | 80 | 120 | 120 | 110 | 80 | [80] | [100] | 120 |
| 7. | 70 | 70 | 60 | 60 | 50 | 110 | 120 | 150 | 110 | — | — | [130] | 100 |
| 8. | 90 | 90 | 90 | 70 | 90 | 90 | 100 | 120 | 130 | 100 | 100 | [70] | 100 |
| 9. | 100 | 60 | 30 | 10 | 30 | 60 | 90 | [100] | [50] | 70 | 40 | 30 | 60 |
| 10. | 40 | 50 | 50 | 50 | 60 | 60 | 90 | 110 | [100] | 100 | 130 | 110 | [120] |
| 11. | 120 | 120 | 130 | 110 | 110 | 110 | 110 | 120 | 120 | [130] | 150 | 130 | 160 |
| 12. | 100 | 110 | 110 | 120 | 60 | 50 | 30 | 70 | —30 | 50 | [80] | 60 | 70 |
| 13. | —70 | 30 | 170 | 200 | 60 | 60 | 70 | 100 | [—10] | — | — | 90 | 110 |
| 14. | 130 | 110 | 100 | 110 | 150 | 120 | 130 | 160 | 130 | 110 | [100] | 100 | 110 |
| 15. | 200 | +S | +S | +S | 200 | 100 | (60) | (90) | (90) | (60) | [70] | [110] | 100 |
| 16. | 100 | 80 | 190 | 280 | +S | +S | 160 | 50 | [70] | — | 100 | 110 | 110 |
| 17. | 40 | 40 | 40 | 50 | 150 | 40 | 20 | —40 | —20 | [30] | [20] | 20 | 50 |
| 18. | 10 | 10 | 40 | 20 | 0 | +S | —S | +S | 80 | +S | [90] | 90 | 100 |
| 19. | 60 | 50 | 50 | 60 | 70 | 70 | 90 | 160 | [160] | 150 | 130 | 130 | 150 |
| 20. | 10 | 30 | 30 | 50 | 60 | 60 | 60 | 50 | 90 | 110 | — | 80 | 80 |
| 21. | 0 | 0 | 30 | 10 | 20 | 30 | 30 | —10 | 0 | 30 | 80 | 120 | 100 |
| 22. | 40 | 10 | 70 | 80 | 70 | 110 | 110 | 140 | 130 | 110 | [120] | [110] | 90 |
| 23. | 110 | 100 | 90 | 80 | 110 | 120 | +S | +S | +S | — | 150 | 90 | 90 |
| 24. | 110 | 140 | 200 | 210 | 230 | +S | +S | +S | +S | 150 | 100 | [60] | [50] |
| 25. | 170 | 230 | 140 | 100 | 160 | +S | 120 | 100 | [70] | 140 | 150 | 150 | 160 |
| 26. | 100 | 250 | +S | +S | +S | +S | +S | +S | +S | 180 | 200 | [120] | 80 |
| 27. | 150 | 150 | 140 | +S | +S | 170 | 150 | 60 | 30 | 10 | 10 | [—10] | 40 |
| 28. | —10 | —20 | —10 | 30 | —20 | 100 | 140 | 90 | 80 | 100 | 70 | 30 | [30] |
| 29. | —40 | —40 | 10 | 0 | 0 | 60 | 40 | 110 | 30 | [—10] | 30 | 40 | 0 |
| 30. | — | — | — | — | — | — | — | — | — | — | — | — | 150 |
| 31. | 120 | 100 | 100 | 110 | 120 | +S | 150 | 220 | [230] | [230] | 150 | 140 | 130 |
| Means | 74 | 81 | 85 | 84 | 83 | 87 | 98 | 100 | 83 | 100 | 97 | 88 | 93 |
| Number of days | 28 | 27 | 26 | 25 | 25 | 22 | 23 | 23 | 23 | 21 | 25 | 28 | 30 |

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Daily means | Remarks |
|-----|-----|-----|-----|-----|-------|-----|-----|-----|-------|-----|-------------|---------|
| — | 120 | 120 | 120 | 120 | 110 | 100 | 80 | 30 | 20 | 40 | 103 | o z |
| 50 | 50 | 70 | 50 | 30 | 30 | 60 | 70 | 70 | 40 | 30 | — | o |
| 120 | 30 | — | — | — | — | — | — | — | — | — | — | o r f |
| — | — | — | — | — | — | — | — | — | — | — | — | o r |
| 70 | 70 | 70 | 90 | 100 | 120 | 140 | 120 | 130 | 100 | 80 | — | o r |
| 110 | 110 | 120 | 120 | 150 | 170 | 180 | 120 | 80 | 60 | 60 | 101 | c |
| 100 | 100 | 110 | 140 | 180 | 200 | 150 | 130 | 110 | 110 | 100 | — | o |
| 100 | 100 | 80 | 100 | 110 | 110 | 110 | 100 | 100 | 100 | 100 | 98 | c |
| 100 | 100 | 80 | 100 | 80 | 110 | 180 | 140 | 100 | 50 | 60 | 76 | o |
| 160 | 170 | 200 | 170 | 190 | 180 | 120 | 170 | 130 | 160 | 120 | 118 | c |
| 100 | 70 | 120 | 160 | 130 | 130 | 60 | 80 | 100 | 90 | 100 | 115 | b |
| 90 | 70 | 80 | 100 | 120 | 190 | 170 | 100 | 100 | 110 | 0 | 84 | o f |
| 130 | 150 | 140 | 150 | 170 | (190) | 190 | — | — | (100) | 130 | — | o f |
| 80 | 80 | 80 | 90 | 110 | 130 | 110 | 130 | 140 | 140 | 200 | 119 | c r f |
| 110 | 80 | 50 | 40 | 50 | 120 | 210 | 230 | 160 | 260 | 130 | — | o r f |
| 140 | 120 | 100 | 80 | 70 | 90 | 100 | 60 | 50 | 50 | 40 | — | o r f |
| 60 | 50 | 40 | 10 | 20 | 40 | 60 | 60 | 70 | 60 | 50 | 49 | b r z |
| 100 | 90 | 90 | 150 | ±S | ±S | 10 | 80 | 90 | 110 | 90 | — | o r |
| 150 | 100 | 110 | 80 | —10 | 20 | —20 | —30 | —30 | —30 | 0 | 70 | c r |
| 90 | 90 | 90 | 80 | 80 | 90 | —10 | 0 | 20 | —10 | 0 | 53 | c |
| 100 | 110 | 120 | 130 | 130 | 140 | 120 | 90 | 110 | 60 | 40 | 66 | c |
| 80 | 70 | 50 | 80 | 90 | 100 | 140 | 130 | 100 | 90 | 80 | 92 | c z |
| 80 | 80 | 100 | 100 | 90 | 90 | 80 | 60 | 70 | 90 | 100 | — | o f |
| 50 | 50 | 130 | 150 | 140 | 200 | 230 | 230 | +S | +S | +S | — | o f |
| 160 | 150 | 150 | 180 | 150 | 150 | 130 | 120 | 100 | 100 | 40 | 136 | o f |
| 70 | 100 | 120 | 130 | +S | +S | 120 | +S | 140 | 130 | 130 | — | o f |
| 50 | 90 | 70 | 90 | 70 | 90 | 110 | 90 | 30 | —10 | 0 | — | o f |
| 50 | 30 | 20 | 70 | 20 | 0 | —30 | —30 | —30 | —20 | —20 | 28 | o f |
| — | — | — | — | — | — | — | — | — | — | — | — | o r f |
| 150 | 200 | 140 | 120 | 190 | 150 | 130 | 110 | 100 | 140 | 150 | — | o |
| 130 | 100 | 110 | 90 | 50 | 80 | 40 | —40 | 20 | 50 | 70 | 109 | c |
| 99 | 94 | 99 | 106 | 101 | 114 | 107 | 92 | 80 | 79 | 71 | 91 | |
| 28 | 29 | 28 | 28 | 26 | 25 | 28 | 26 | 26 | 26 | 27 | | |

November

| Hour GMT Day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------|-----|------|-----|------|-----|-----|-----|-------|-------|-------|-------|-------|-------|
| 1. | 50 | 40 | 80 | 150 | +S | 200 | 140 | 150 | 40 | 40 | 100 | [120] | 150 |
| 2. | 60 | 50 | 40 | 50 | 50 | 70 | 30 | 0 | -40 | -50 | -50 | [-90] | -100 |
| 3. | -60 | -70 | -80 | -120 | -50 | 0 | -10 | -30 | -20 | -60 | 0 | [60] | 50 |
| 4. | 110 | 70 | 60 | 70 | 50 | 90 | 90 | 150 | [200] | — | — | [100] | 90 |
| 5. | 40 | 30 | 60 | 40 | 20 | -10 | -40 | -10 | -40 | -60 | [0] | -20 | 30 |
| 6. | 0 | -210 | 10 | -S | -S | -S | +S | 30 | 70 | 100 | [70] | [70] | 100 |
| 7. | 110 | 100 | 60 | 60 | 70 | 80 | 80 | 70 | 100 | [70] | 120 | 120 | 160 |
| 8. | +S | 50 | 130 | +S | 130 | 100 | 0 | 10 | — | 20 | 10 | -30 | 50 |
| 9. | 10 | 20 | 30 | 30 | 40 | 40 | -10 | 70 | 50 | [40] | 30 | 30 | 40 |
| 10. | 80 | 110 | 120 | 100 | 130 | 120 | 120 | [110] | 80 | 80 | [100] | [50] | 30 |
| 11. | 120 | 140 | 120 | 100 | 110 | 100 | 110 | 140 | 120 | 120 | 110 | 120 | 110 |
| 12. | 100 | 80 | 50 | 100 | 80 | 100 | 90 | 40 | +S | 110 | 90 | 50 | 100 |
| 13. | 40 | 60 | 80 | 40 | 40 | 90 | 100 | 180 | — | 80 | 100 | 80 | 90 |
| 14. | 150 | 140 | 140 | 130 | 130 | — | — | — | — | — | — | 100 | 160 |
| 15. | +S | +S | +S | +S | +S | 100 | 60 | 20 | 0 | -20 | 90 | — | 150 |
| 16. | 150 | 120 | 140 | 100 | 70 | 110 | 100 | 80 | [40] | 0 | 20 | 70 | 100 |
| 17. | 10 | — | — | — | — | — | — | — | — | — | 80 | 100 | 110 |
| 18. | 70 | 50 | 60 | 60 | 50 | 50 | 50 | 30 | 30 | 50 | 50 | [70] | [130] |
| 19. | +S | +S | +S | 130 | 100 | 30 | 40 | 30 | 30 | 100 | 140 | [150] | 150 |
| 20. | 170 | 150 | 160 | 180 | 160 | 190 | 220 | 220 | — | — | 170 | 190 | 190 |
| 21. | 100 | 90 | 90 | 110 | 50 | 60 | 40 | 90 | 30 | -140 | -30 | [110] | 100 |
| 22. | 110 | 80 | 80 | 100 | 120 | 180 | 180 | 180 | 220 | 200 | 150 | [180] | 160 |
| 23. | 110 | 100 | 50 | 90 | 130 | 140 | 220 | 190 | [130] | [200] | 150 | 150 | 90 |
| 24. | 80 | 90 | 90 | 100 | 110 | 130 | 190 | 210 | 180 | [180] | [180] | [180] | 150 |
| 25. | -40 | 10 | 20 | -10 | -50 | -70 | -80 | -50 | -70 | -50 | 10 | 20 | [40] |
| 26. | 30 | 20 | 40 | 30 | 20 | 30 | 50 | 30 | 30 | 40 | 40 | 50 | [60] |
| 27. | 80 | 80 | 60 | 50 | 40 | 60 | 60 | 80 | 60 | 70 | -10 | — | 50 |
| 28. | 110 | 90 | 50 | 90 | +S | 80 | 80 | 70 | 30 | +S | +S | +S | +S |
| 29. | 150 | 120 | 110 | 110 | 80 | 120 | 260 | 260 | — | — | 260 | 140 | 220 |
| 30. | 180 | +S | +S | 230 | 210 | 180 | +S | 280 | +S | 250 | — | 290 | +S |
| Means | 79 | 62 | 71 | 82 | 76 | 88 | 83 | 94 | 58 | 57 | 76 | 91 | 99 |
| Number of days | 27 | 26 | 26 | 26 | 25 | 27 | 26 | 28 | 22 | 24 | 26 | 27 | 28 |

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Daily means | Remarks |
|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|---------|
| 120 | 160 | 150 | 150 | 180 | +S | 240 | 150 | 70 | 90 | 50 | 119 | o f |
| -90 | -100 | -40 | -20 | -40 | -50 | -20 | -60 | -90 | -80 | -80 | -27 | o |
| 80 | 100 | 100 | 120 | 60 | -S | ±S | ±S | -S | 0 | 50 | — | o r |
| 100 | 80 | 70 | 60 | 50 | -20 | 20 | 50 | 10 | 40 | 20 | — | o r |
| 10 | 70 | 60 | 60 | 40 | 40 | -30 | 30 | 10 | 20 | -20 | 14 | o r |
| 120 | 90 | 90 | 0 | 40 | 40 | 30 | 150 | 210 | 110 | 100 | — | o r |
| 130 | 90 | 40 | 110 | 120 | 120 | 80 | 170 | 120 | 150 | +S | 101 | o f |
| 60 | 20 | 10 | 40 | 40 | 10 | 10 | 0 | 20 | 50 | 50 | — | o r f |
| 80 | 50 | 60 | 130 | 180 | 170 | 150 | 140 | 110 | 90 | 80 | 69 | o r |
| 30 | 130 | 140 | 140 | 140 | 140 | 130 | 120 | 120 | 120 | 120 | 107 | o f |
| [120] | 140 | 130 | 130 | 160 | 180 | 200 | 250 | 150 | 90 | 100 | 132 | c z |
| 140 | 180 | 170 | 170 | 150 | 40 | 10 | -20 | 50 | 40 | 20 | 84 | o r |
| 100 | 90 | 100 | 100 | 90 | 130 | 100 | 100 | 140 | 190 | 190 | 100 | o r |
| 160 | 150 | — | — | — | — | +S | +S | +S | +S | +S | — | o r f |
| 90 | 100 | 140 | 130 | 170 | 180 | 180 | 180 | 150 | 150 | 130 | — | o r f |
| — | 90 | 50 | 90 | 100 | 100 | 100 | 100 | 60 | 30 | 30 | 80 | o r f |
| 150 | 150 | 180 | 200 | 190 | 190 | 230 | 200 | 240 | 140 | 80 | — | c r |
| 130 | 160 | 190 | +S | +S | 180 | +S | +S | +S | +S | +S | — | b z |
| 150 | 150 | 130 | 140 | 150 | 130 | 150 | 200 | 200 | 220 | 160 | — | o |
| 190 | 180 | 170 | 220 | +S | +S | 210 | 170 | 140 | 120 | 90 | — | b |
| 100 | 90 | 20 | 20 | -60 | 80 | 30 | 120 | 120 | 110 | 120 | 60 | b |
| 120 | 140 | 170 | 190 | 190 | 170 | 140 | 100 | 120 | 120 | 110 | 146 | o |
| 70 | 90 | 90 | 90 | 60 | 120 | 140 | 120 | 90 | 50 | 50 | 113 | b |
| 140 | 130 | 130 | 120 | 140 | 190 | 120 | 50 | -20 | -80 | -60 | 114 | c |
| 60 | 50 | 0 | -20 | -10 | 10 | 10 | 0 | 10 | 20 | 30 | -7 | o |
| 60 | 70 | 80 | 130 | 100 | 90 | 70 | 20 | 50 | 20 | 50 | 50 | o |
| 130 | 200 | 200 | 130 | 200 | 190 | 170 | 120 | 70 | 70 | 50 | 96 | o r z |
| ±S | 220 | 300 | +S | +S | 170 | 130 | 130 | 120 | 170 | 150 | — | o s f |
| 170 | 220 | 250 | 220 | 140 | +S | +S | +S | 80 | 40 | 140 | — | o z |
| +S | +S | +S | +S | 310 | 280 | +S | 240 | 200 | 190 | 210 | — | o f |
| 101 | 113 | 114 | 110 | 111 | 115 | 104 | 109 | 94 | 81 | 75 | 89 | |
| 27 | 29 | 28 | 26 | 26 | 25 | 25 | 26 | 27 | 28 | 27 | | |

December

| Hour GMT | | | | | | | | | | | | | |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|
| Day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1. | 220 | 210 | 220 | 200 | 180 | 170 | 210 | 210 | 160 | 170 | 210 | — | 250 |
| 2. | 150 | 160 | 170 | 170 | 170 | 150 | 150 | 160 | 190 | +S | 200 | 250 | [260] |
| 3. | 110 | 100 | 30 | 90 | 110 | 130 | 110 | 150 | 180 | 260 | 220 | [250] | [270] |
| 4. | 130 | -10 | 70 | 70 | 80 | 90 | 90 | 80 | — | 100 | ±S | ±S | ±S |
| 5. | 100 | 60 | 50 | 60 | 70 | 100 | 110 | 150 | 160 | 140 | [110] | 130 | 120 |
| 6. | 50 | 40 | -S | 0 | ±S | ±S | 110 | ±S | -S | 130 | [70] | 80 | 120 |
| 7. | 80 | 50 | 90 | 100 | 60 | 90 | 80 | 120 | [130] | [130] | 110 | 120 | 150 |
| 8. | 60 | 70 | 70 | 60 | 50 | 60 | 80 | 110 | 110 | [80] | 80 | 80 | 100 |
| 9. | 80 | 80 | 70 | 70 | 100 | 70 | 80 | 80 | 100 | 80 | 60 | [70] | 90 |
| 10. | 70 | 70 | 70 | 70 | 50 | 60 | 50 | 90 | 100 | 70 | 80 | [130] | [160] |
| 11. | 190 | 170 | 170 | 160 | 130 | 70 | +S | +S | +S | +S | +S | +S | +S |
| 12. | 30 | 50 | 70 | 130 | 120 | 140 | 180 | 220 | +S | 220 | [210] | 190 | 210 |
| 13. | 100 | 90 | 60 | 70 | 80 | 120 | 150 | 180 | 220 | [220] | 120 | 50 | 100 |
| 14. | 30 | 30 | 40 | 20 | 40 | 50 | 40 | 60 | — | 90 | 30 | 30 | 50 |
| 15. | 150 | 140 | 120 | 100 | 70 | 70 | 80 | 110 | 130 | 130 | 120 | [160] | [170] |
| 16. | 110 | 60 | 20 | 30 | -20 | 30 | 90 | -50 | -70 | -40 | -40 | [-20] | 0 |
| 17. | 130 | 70 | 10 | 20 | ±S | +S | 70 | 80 | ±S | ±S | ±S | [20] | [50] |
| 18. | 80 | 70 | 60 | 70 | 80 | 80 | 120 | 210 | — | +S | +S | 250 | 210 |
| 19. | 30 | 70 | 50 | 50 | 60 | 70 | 70 | 90 | 120 | [130] | — | 150 | 150 |
| 20. | 50 | 50 | 50 | 40 | -70 | 10 | 50 | 100 | 110 | 100 | 150 | 140 | 120 |
| 21. | 40 | 50 | 80 | 130 | 150 | 180 | 220 | 230 | 220 | — | 240 | 210 | 210 |
| 22. | 50 | 30 | -30 | 120 | +S | ±S | ±S | +S | +S | 70 | 150 | — | [50] |
| 23. | 170 | 150 | 110 | 80 | 160 | 110 | 100 | 60 | 70 | 150 | 130 | 40 | [130] |
| 24. | 80 | 70 | 60 | 40 | 60 | 100 | 90 | 100 | 100 | 110 | 120 | 150 | [120] |
| 25. | ±S | ±S | 60 | 50 | 40 | 50 | 50 | 70 | 90 | [80] | +S | -S | ±S |
| 26. | +S | +S | +S | +S | +S | +S | +S | +S | +S | +S | 270 | [190] | [250] |
| 27. | 220 | +S | 160 | 180 | 150 | 170 | 130 | 100 | — | — | 110 | 140 | 160 |
| 28. | 130 | 130 | 100 | 110 | 130 | 170 | 170 | 200 | 200 | — | 160 | 150 | 170 |
| 29. | 100 | 120 | 110 | 170 | 130 | 120 | 200 | 90 | 50 | 40 | — | 40 | -10 |
| 30. | +S | 110 | 70 | 100 | 80 | 80 | 50 | 230 | +S | +S | +S | +S | 90 |
| 31. | 80 | 80 | 70 | 70 | 50 | 70 | 80 | 100 | 40 | -20 | [-20] | [30] | 40 |
| Means | 101 | 85 | 79 | 88 | 86 | 97 | 108 | 123 | 121 | 111 | 126 | 121 | 135 |
| Number of days | 28 | 28 | 29 | 30 | 27 | 27 | 28 | 27 | 20 | 22 | 23 | 25 | 28 |

| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Daily means | Remarks |
|-----|-----|-----|------|-----|-----|-----|------|------|-----|------|-------------|---------|
| 250 | 270 | 260 | 270 | 220 | 200 | 230 | 180 | 250 | 280 | 220 | 219 | c z |
| 210 | 250 | 320 | 280 | 210 | 250 | 100 | 100 | 70 | 190 | 200 | 190 | o z |
| 200 | 240 | +S | 230 | 150 | 210 | +S | +S | 280 | 190 | 150 | — | b z |
| 40 | 80 | 0 | 80 | 80 | 80 | 60 | 60 | 70 | 80 | 100 | — | o r |
| 120 | 140 | 190 | 210 | 190 | 190 | 120 | 70 | 70 | 10 | 30 | 113 | o r |
| 160 | 140 | 120 | 90 | 100 | 120 | 200 | +S | 90 | 160 | 70 | — | o r |
| 120 | 120 | 150 | 130 | 130 | 160 | 150 | 100 | 80 | 80 | 50 | 108 | o |
| 120 | 90 | 100 | 150 | 130 | 150 | 110 | 110 | 120 | 110 | 70 | 95 | c |
| 80 | 80 | 90 | 100 | 110 | 110 | 90 | 100 | 90 | 70 | 60 | 84 | c |
| 120 | 90 | 90 | 120 | 180 | 220 | 200 | 180 | 220 | 170 | 190 | 119 | b |
| +S | 170 | 120 | 150 | +S | +S | 90 | 140 | 150 | 120 | 40 | — | o s f |
| 170 | 110 | 120 | 110 | 50 | 70 | 90 | 160 | 180 | 160 | 120 | 135 | b f |
| 50 | 60 | 80 | 60 | 30 | 50 | 30 | 20 | 10 | 30 | 20 | 83 | o z |
| 100 | 130 | 140 | 140 | 160 | 160 | 160 | 190 | 190 | 190 | 170 | 97 | o z |
| 150 | 180 | +S | 220 | 220 | 180 | 160 | 120 | 30 | 100 | 120 | 132 | o f |
| 0 | -30 | -40 | 60 | 50 | 20 | -10 | 50 | 90 | 120 | 110 | 22 | o f |
| 100 | 150 | 200 | 210 | 140 | 140 | 190 | 130 | 120 | 70 | 70 | — | c s z |
| 190 | 150 | 140 | 170 | 180 | 130 | 100 | 70 | 60 | 50 | 30 | — | c |
| 130 | 90 | 150 | 150 | 170 | 130 | 160 | 160 | -S | +S | 30 | — | c s |
| 150 | 110 | 100 | 80 | 80 | 130 | 140 | 60 | 150 | 60 | 40 | 83 | o s |
| 220 | 220 | +S | +S | +S | 220 | 190 | +S | 180 | 200 | 100 | — | o s |
| 90 | 50 | 110 | 100 | +S | +S | 120 | 110 | 100 | 150 | 190 | — | o s f |
| 170 | 140 | 100 | 70 | 80 | 70 | 70 | 50 | 110 | 80 | 60 | 103 | o s |
| 130 | 170 | 130 | 160 | 130 | 170 | 170 | 140 | -S | -S | -S | — | o r z |
| +S | -S | 20 | +S | +S | +S | +S | +S | +S | +S | +S | — | o r f |
| 230 | 200 | 200 | 220 | 170 | 210 | 180 | 150 | 120 | 140 | 150 | — | o r m |
| 170 | 180 | 190 | 190 | 140 | 150 | 190 | 200 | 190 | 190 | 180 | — | c z |
| 170 | 140 | 70 | 50 | 10 | 90 | 140 | 130 | 130 | 90 | 70 | 127 | c z |
| 20 | 50 | 50 | 60 | 70 | 50 | 100 | 140 | 130 | 210 | +S | 93 | o s z |
| 150 | 200 | 170 | 220 | 200 | 180 | 120 | 150 | 130 | 130 | 90 | — | o s f |
| -10 | -40 | -10 | -110 | -30 | -60 | -80 | -110 | -110 | -90 | -100 | -3 | o z |
| 131 | 131 | 120 | 137 | 124 | 135 | 123 | 110 | 118 | 119 | 94 | 113 | |
| 29 | 30 | 28 | 29 | 27 | 28 | 29 | 27 | 28 | 28 | 28 | | |

Hourly means of the quantities of positive and negative

| Hour GMT | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|-----------|---|-----|----|-----|-----|----|----|----|----|----|----|----|----|
| Month | | | | | | | | | | | | | |
| January | + | 0 | 0 | 14 | 3 | 8 | 15 | 26 | 31 | 13 | 16 | 1 | 5 |
| | - | 0 | 0 | 0 | 4 | 6 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| February | + | 3 | 1 | 103 | 64 | 1 | 1 | 3 | 1 | 5 | 1 | 9 | 16 |
| | - | 2 | 0 | 11 | 26 | 0 | 0 | 2 | 0 | 7 | 0 | 65 | 33 |
| March | + | 6 | 0 | 2 | 2 | 4 | 29 | 50 | 43 | 0 | 32 | 50 | 45 |
| | - | 15 | 0 | 3 | 10 | 10 | 5 | 48 | 24 | 0 | 5 | 30 | 37 |
| April | + | 4 | 0 | 41 | 29 | 0 | 1 | 1 | 10 | 19 | 14 | 2 | 11 |
| | - | 4 | 0 | 16 | 8 | 0 | 0 | 0 | 24 | 14 | 14 | 4 | 21 |
| May | + | 11 | 0 | 1 | 0 | 21 | 11 | 6 | 0 | 18 | 9 | 0 | 0 |
| | - | 60 | 0 | 0 | 32 | 0 | 32 | 33 | 20 | 1 | 9 | 11 | 42 |
| June | + | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| July | + | 50 | 51 | 41 | 22 | 26 | 13 | 0 | 0 | 0 | 0 | 0 | 55 |
| | - | 88 | 77 | 59 | 167 | 81 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| August | + | 0 | 0 | 3 | 3 | 17 | 0 | 0 | 11 | 0 | 32 | 16 | 0 |
| | - | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 79 | 26 | 13 | 0 |
| September | + | 3 | 1 | 2 | 1 | 21 | 0 | 0 | 0 | 4 | 14 | 27 | 0 |
| | - | 4 | 10 | 14 | 0 | 9 | 3 | 0 | 0 | 0 | 30 | 11 | 0 |
| October | + | 101 | 15 | 40 | 9 | 21 | 0 | 0 | 0 | 0 | 51 | 10 | 0 |
| | - | 48 | 76 | 49 | 51 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| November | + | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 |
| | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| December | + | 5 | 0 | 0 | 0 | 7 | 0 | 1 | 0 | 25 | 16 | 6 | 64 |
| | - | 6 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 34 | 27 | 8 | 8 |

charges transported by point-discharge for each month

| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Means |
|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-------|
| 1 | 0 | 0 | 3 | 34 | 7 | 26 | 92 | 34 | 19 | 14 | 0 | 15,1 |
| 0 | 0 | 0 | 24 | 104 | 5 | 53 | 54 | 24 | 2 | 21 | 0 | 12,5 |
| 100 | 1 | 2 | 55 | 6 | 4 | 128 | 13 | 70 | 64 | 75 | 85 | 33,8 |
| 25 | 0 | 6 | 25 | 31 | 4 | 7 | 9 | 42 | 11 | 35 | 33 | 15,6 |
| 2 | 153 | 28 | 82 | 0 | 0 | 55 | 16 | 20 | 14 | 10 | 1 | 26,8 |
| 27 | 51 | 59 | 13 | 0 | 23 | 25 | 45 | 33 | 10 | 8 | 8 | 20,4 |
| 15 | 0 | 1 | 38 | 64 | 8 | 8 | 6 | 51 | 4 | 88 | 25 | 18,3 |
| 25 | 0 | 0 | 52 | 18 | 0 | 24 | 2 | 28 | 10 | 44 | 37 | 14,4 |
| 7 | 7 | 24 | 223 | 122 | 74 | 18 | 39 | 3 | 11 | 1 | 35 | 26,7 |
| 4 | 19 | 45 | 163 | 250 | 123 | 90 | 67 | 0 | 0 | 31 | 157 | 49,5 |
| 4 | 27 | 39 | 77 | 1 | 31 | 50 | 139 | 27 | 22 | 9 | 0 | 17,7 |
| 32 | 27 | 33 | 32 | 0 | 33 | 72 | 50 | 84 | 85 | 27 | 0 | 19,8 |
| 23 | 11 | 57 | 37 | 70 | 79 | 0 | 5 | 0 | 16 | 58 | 31 | 26,9 |
| 37 | 60 | 63 | 187 | 26 | 9 | 0 | 4 | 22 | 52 | 8 | 170 | 46,7 |
| 4 | 59 | 100 | 60 | 157 | 82 | 5 | 4 | 0 | 3 | 11 | 0 | 23,6 |
| 0 | 170 | 166 | 6 | 30 | 59 | 0 | 2 | 0 | 0 | 4 | 0 | 23,3 |
| 34 | 24 | 9 | 43 | 22 | 43 | 2 | 10 | 24 | 34 | 0 | 0 | 13,3 |
| 0 | 12 | 39 | 86 | 15 | 13 | 14 | 1 | 71 | 12 | 10 | 0 | 14,8 |
| 0 | 12 | 6 | 0 | 0 | 6 | 9 | 26 | 0 | 0 | 0 | 0 | 12,8 |
| 1 | 13 | 7 | 0 | 0 | 0 | 13 | 20 | 0 | 0 | 0 | 3 | 12,2 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,5 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,2 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 5,9 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 1 | 5,7 |