# Ⅳ. INTENSITIES OF THE SOLAR CORONA

in monochromatic emission at position angles every 5 degrees
For all the stations, the origin of the position angles is at the north pole of the sun

Contributing Observatories: Norikura, Kislovodsk, Lomnicky Stit

**Norikura**

**2005**

Photoelectrically measured intensities in units of $10^{-6}$ of the photospheric

Signs 'X' indicate that the measurements were not performed; signs '–' indicate

**530.28 nm**

| DATE (UT) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| May. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 01:08 | 2 | 2 | 2 | 3 | 5 | 5 | 5 | 5 | 4 | 5 | 6 | 7 | 11 | 12 | 18 | 17 | 19 | 13 | 12 | 15 | 45 | 42 | 28 | 29 | 27 | 16 | 9 | 6 | 5 | 7 | 8 | 9 | 8 | 2 | 1 |
| 7 06:10 | 10 | 11 | 11 | 11 | 11 | 11 | 12 | 13 | 14 | 16 | 15 | 17 | 21 | 18 | 24 | 32 | 33 | 38 | 39 | 30 | 23 | 22 | 20 | 23 | 24 | 19 | 15 | 14 | 14 | 12 | 10 | 10 | 10 | 10 | 8 |
| 14 05:41 | 21 | 23 | 23 | 26 | 28 | 32 | 32 | 30 | 28 | 30 | 29 | 27 | 26 | 27 | 30 | 31 | 32 | 28 | 26 | 26 | 32 | 32 | 33 | 28 | 26 | 25 | 24 | 23 | 23 | 24 | 24 | 21 | 20 | 20 | 19 |
| Jun. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 21:42 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 9 | 10 | 10 | 8 | 8 | 5 | 7 | 12 | 13 | 13 | 8 | 5 | 4 | 5 | 5 | 4 | 3 | 2 | 0 | 1 | 0 |
| 13 01:33 | 15 | 16 | 17 | 18 | 19 | 19 | 20 | 22 | 22 | 21 | 20 | 19 | 18 | 17 | 17 | 20 | 24 | 18 | 18 | 19 | 25 | 23 | 20 | 17 | 16 | 16 | 14 | 13 | 12 | 12 | 12 | 10 | 8 | 8 | 7 |
| 13 22:15 | 25 | 24 | 24 | 27 | 30 | 32 | 33 | 36 | 35 | 33 | 32 | 30 | 30 | 30 | 30 | 30 | 40 | 30 | 29 | 30 | 34 | 30 | 27 | 27 | 27 | 27 | 26 | 24 | 22 | 23 | 22 | 21 | 20 | 18 | 16 |
| 17 23:38 | 13 | 13 | 14 | 15 | 19 | 19 | 19 | 18 | 18 | 18 | 19 | 22 | 23 | 29 | 43 | 50 | 35 | 40 | 40 | 49 | 47 | 35 | 27 | 23 | 18 | 13 | 10 | 11 | 11 | 10 | 11 | 13 | 10 | 9 | 8 |
| Jul. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 21:22 | 4 | 3 | 3 | 4 | 6 | 7 | 7 | 7 | 6 | 7 | 8 | 11 | 13 | 15 | 17 | 17 | 18 | 17 | 16 | 16 | 18 | 20 | 17 | 13 | 10 | 8 | 6 | 5 | 5 | 6 | 5 | 4 | 3 | 2 | 2 |
| 20 09:03 | 10 | 10 | 10 | 11 | 13 | 14 | 15 | 14 | 13 | 14 | 14 | 14 | 15 | 18 | 20 | 25 | 26 | 27 | 37 | 37 | 42 | 56 | 39 | 30 | 28 | 22 | 19 | 17 | 15 | 16 | 17 | 16 | 12 | 8 | 7 |
| 21 01:28 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 7 | 8 | 11 | 18 | 22 | 22 | 36 | 35 | 38 | 58 | 40 | 27 | 19 | 16 | 13 | 10 | 10 | 9 | 12 | 13 | 10 | 5 | 3 |
| 23 22:04 | 6 | 5 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 6 | 8 | 11 | 16 | 25 | 41 | 48 | 47 | 51 | 64 | 48 | 47 | 44 | 38 | 21 | 16 | 14 | 13 | 10 | 9 | 10 | 10 | 11 | 10 | 9 |
| 24 21:23 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 4 | 4 | 4 | 8 | 17 | 23 | 32 | 42 | 45 | 50 | 47 | 54 | 44 | 62 | 38 | 31 | 16 | 15 | 12 | 13 | 10 | 9 | 9 | 9 | 9 | 9 | 9 |
| 27 03:02 | 5 | 6 | 6 | 5 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 12 | 15 | 24 | 38 | 58 | 44 | 33 | 39 | 44 | 32 | 27 | 18 | 10 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 6 | 6 | 6 | 8 |
| 28 02:30 | 10 | 10 | 9 | 10 | 10 | 11 | 11 | 12 | 12 | 11 | 12 | 15 | 19 | 25 | 34 | 48 | 66 | 46 | 44 | 59 | 48 | 43 | 24 | 12 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 8 | 8 |
| Aug. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 23:57 | 17 | 18 | 17 | 16 | 18 | 19 | 19 | 17 | 19 | 21 | 22 | 22 | 25 | 25 | 24 | 38 | 35 | 29 | 30 | 32 | 41 | 53 | 54 | 41 | 22 | 14 | 11 | 12 | 11 | 10 | 10 | 10 | 12 | 13 | 14 |
| 28 23:55 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 6 | 8 | 8 | 7 | 8 | 8 | 8 | 14 | 14 | 11 | 11 | 14 | 17 | 24 | 23 | 23 | 18 | 10 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 2 | 2 |
| Sep. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 22:17 | 9 | 9 | 9 | 10 | 9 | 9 | 9 | 9 | 10 | 10 | 11 | 10 | 12 | 17 | 26 | 37 | 43 | 46 | 30 | 25 | 27 | 25 | 18 | 14 | 12 | 11 | 11 | 11 | 11 | 12 | 12 | 13 | 12 | 9 | 6 |
| 21 02:13 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 8 | 10 | 13 | 17 | 24 | 34 | 38 | 30 | 21 | 12 | 17 | 23 | 22 | 18 | 12 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 7 | 7 | 4 | 4 |
| 22 22:18 | 9 | 8 | 7 | 6 | 6 | 4 | 5 | 5 | 5 | 8 | 11 | 13 | 13 | 14 | 19 | 20 | 23 | 19 | 19 | 29 | 27 | 30 | 30 | 26 | 12 | 7 | 5 | 5 | 5 | 4 | 5 | 7 | 7 | 7 | 6 |
| 23 22:28 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 7 | 10 | 12 | 13 | 11 | 12 | 15 | 16 | 18 | 14 | 12 | 17 | 22 | 28 | 27 | 18 | 12 | 6 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 6 | 6 |
| 25 22:05 | 9 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 10 | 10 | 10 | 9 | 9 | 11 | 13 | 9 | 8 | 8 | 9 | 10 | 12 | 14 | 16 | 15 | 13 | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 10 |
| 26 23:57 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 6 | 6 | 7 | 7 | 8 | 9 | 11 | 11 | 12 | 11 | 9 | 7 | 6 | 5 | 4 | 4 | 4 | 3 | 4 |
| 28 02:24 | 8 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 6 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 7 | 8 | 8 | 7 | 7 | 7 | 6 | 5 | 5 | 5 | 4 | 5 | 5 |
| Oct. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 07:38 | 14 | 13 | 14 | 14 | 14 | 17 | 16 | 16 | 15 | 15 | 15 | 15 | 18 | 22 | 23 | 25 | 28 | 29 | 27 | 72 | 75 | 54 | 44 | 27 | 31 | 24 | 19 | 17 | 18 | 19 | 20 | 22 | 19 | 18 | 10 |
| 6 04:16 | 6 | 7 | 7 | 6 | 7 | 9 | 14 | 13 | 11 | 10 | 10 | 10 | 13 | 15 | 13 | 15 | 16 | 20 | 20 | 20 | 28 | 50 | 57 | 31 | 14 | 15 | 13 | 9 | 8 | 8 | 8 | 10 | 10 | 7 | 5 |
| 9 05:01 | 12 | 12 | 13 | 14 | 16 | 20 | 22 | 22 | 20 | 19 | 22 | 24 | 25 | 28 | 33 | 46 | 34 | 32 | 30 | 30 | 29 | 26 | 26 | 23 | 21 | 21 | 19 | 15 | 14 | 15 | 15 | 15 | 14 | 14 | 13 |
| 12 05:05 | 4 | 5 | 4 | 5 | 5 | 7 | 7 | 8 | 6 | 5 | 6 | 8 | 11 | 14 | 21 | 28 | 21 | 20 | 24 | 19 | 15 | 23 | 25 | 14 | 13 | 10 | 8 | 6 | 6 | 5 | 4 | 2 | 2 | 3 | 4 |
| 13 03:15 | 8 | 8 | 8 | 8 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 11 | 14 | 14 | 21 | 31 | 40 | 29 | 23 | 22 | 17 | 18 | 20 | 15 | 14 | 13 | 11 | 12 | 11 | 11 | 12 | 9 | 6 | 6 | 8 |
| 14 02:19 | 12 | 12 | 12 | 13 | 13 | 13 | 15 | 14 | 15 | 16 | 16 | 17 | 21 | 23 | 30 | 45 | 59 | 47 | 38 | 27 | 22 | 22 | 22 | 22 | 19 | 17 | 16 | 15 | 14 | 13 | 14 | 15 | 10 | 9 | 9 |
| 16 07:07 | 15 | 14 | 14 | 15 | 14 | 14 | 14 | 14 | 14 | 15 | 18 | 21 | 26 | 35 | 53 | 68 | 44 | 32 | 24 | 28 | 26 | 19 | 18 | 18 | 17 | 16 | 16 | 17 | 16 | 16 | 16 | 16 | 16 | 14 | 11 |
| 19 00:20 | 13 | 13 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 17 | 21 | 23 | 25 | 24 | 24 | 25 | 27 | 31 | 41 | 38 | 30 | 22 | 21 | 17 | 12 | 13 | 13 | 14 | 13 | 14 | 14 | 13 | 13 | 14 |
| 19 21:30 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 19 | 22 | 22 | 23 | 23 | 21 | 22 | 23 | 26 | 28 | 32 | 44 | 30 | 24 | 23 | 19 | 15 | 14 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 15 |
| 20 07:18 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 13 | 12 | 14 | 15 | 14 | 13 | 16 | 20 | 22 | 30 | 51 | 32 | 25 | 21 | 16 | 9 | 6 | 8 | 8 | 8 | 7 | 9 | 7 | 6 | 6 |
| 21 01:40 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 11 | 13 | 15 | 16 | 16 | 19 | 18 | 16 | 17 | 20 | 24 | 31 | 40 | 36 | 27 | 24 | 18 | 13 | 9 | 8 | 8 | 8 | 9 | 8 | 9 | 8 | 7 |
| 24 00:37 | 21 | 21 | 21 | 22 | 22 | 22 | 21 | 22 | 23 | 24 | 26 | 24 | 24 | 23 | 24 | 24 | 23 | 23 | 23 | 23 | 24 | 24 | 25 | 25 | 24 | 22 | 19 | 17 | 16 | 15 | 14 | 14 | 14 | 14 | 13 |
| 27 00:09 | 18 | 18 | 18 | 18 | 18 | 17 | 18 | 18 | 18 | 18 | 18 | 17 | 18 | 17 | 19 | 19 | 20 | 20 | 20 | 20 | 20 | 29 | 26 | 21 | 19 | 19 | 19 | 19 | 18 | 18 | 17 | 16 | 15 | 13 | 12 |
| 28 00:01 | 20 | 19 | 19 | 19 | 19 | 19 | 18 | 18 | 18 | 18 | 18 | 19 | 20 | 20 | 20 | 20 | 21 | 23 | 26 | 31 | 30 | 30 | 32 | 28 | 24 | 22 | 21 | 21 | 23 | 23 | 21 | 23 | 20 | 17 | 16 |
| 30 00:20 | 18 | 18 | 19 | 19 | 19 | 19 | 18 | 19 | 19 | 19 | 19 | 18 | 21 | 23 | 24 | 27 | 27 | 30 | 34 | 36 | 30 | 32 | 27 | 25 | 26 | 22 | 20 | 19 | 19 | 21 | 22 | 20 | 20 | 19 | 16 |
| Nov. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 00:41 | 13 | 13 | 12 | 12 | 14 | 14 | 14 | 12 | 12 | 11 | 11 | 9 | 10 | 9 | 12 | 14 | 17 | 20 | 21 | 28 | 39 | 52 | 47 | 31 | 21 | 21 | 17 | 15 | 13 | 16 | 18 | 19 | 16 | 17 | 11 |
| 2 01:18 | 11 | 12 | 12 | 11 | 13 | 15 | 17 | 15 | 15 | 14 | 16 | 15 | 15 | 15 | 17 | 20 | 23 | 24 | 30 | 39 | 37 | 41 | 48 | 34 | 23 | 22 | 18 | 17 | 15 | 15 | 17 | 16 | 16 | 17 | 12 |
| 4 01:57 | 23 | 21 | 21 | 21 | 23 | 25 | 27 | 26 | 26 | 29 | 31 | 29 | 29 | 30 | 32 | 36 | 35 | 37 | 44 | 56 | 58 | 39 | 39 | 40 | 39 | 35 | 31 | 29 | 28 | 27 | 27 | 28 | 28 | 30 | 29 |
| 5 01:52 | 19 | 18 | 18 | 18 | 19 | 21 | 23 | 21 | 20 | 21 | 22 | 21 | 21 | 23 | 24 | 26 | 25 | 24 | 29 | 42 | 50 | 28 | 25 | 25 | 22 | 21 | 23 | 19 | 18 | 17 | 17 | 16 | 16 | 17 | 17 |

## Observatory

**spectrum of the disk center, at the same wavelength and of 1Å width.**

**that the intensities of the corona were not visible or too weak to be measured.**

| 175 | 180 | 185 | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 1 | 0 | 1 | 1 | 2 | 4 | 4 | 4 | 3 | 4 | 5 | 6 | 6 | 8 | 8 | 11 | 9 | 6 | 6 | 5 | 5 | 4 | 4 | 5 | 5 | 6 | 6 | 8 | 10 | 8 | 8 | 8 | 10 | 5 | 3 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 8 | 8 | 10 | 15 | 28 | 59 | 72 | 57 | 34 | 19 | 19 | 17 | 18 | 17 | 18 | 17 | 15 | 16 | 17 | 15 | 16 | 15 | 15 | 15 | 12 |
| 19 | 18 | 17 | 17 | 17 | 17 | 18 | 19 | 18 | 18 | 18 | 18 | 22 | 25 | 27 | 40 | 44 | 62 | 59 | 53 | 38 | 27 | 23 | 21 | 21 | 23 | 25 | 23 | 24 | 25 | 23 | 21 | 22 | 20 | 20 | 21 | 21 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 11 | 12 | 15 | 18 | 22 | 21 | 15 | 13 | 13 | 12 | 8 | 8 | 9 | 9 | 8 | 9 | 8 | 6 | 6 | 4 | 3 | 4 | 4 |
| 6 | 6 | 6 | 5 | 6 | 8 | 12 | 11 | 10 | 9 | 10 | 10 | 14 | 21 | 27 | 45 | 61 | 49 | 44 | 32 | 26 | 23 | 26 | 28 | 27 | 20 | 17 | 12 | 12 | 13 | 12 | 12 | 13 | 14 | 13 | 14 | 15 |
| 15 | 14 | 14 | 14 | 13 | 15 | 19 | 20 | 18 | 18 | 19 | 18 | 21 | 23 | 28 | 40 | 66 | 65 | 41 | 37 | 35 | 29 | 33 | 32 | 33 | 30 | 27 | 28 | 26 | 24 | 21 | 22 | 23 | 24 | 25 | 25 | 28 |
| 6 | 7 | 7 | 9 | 8 | 6 | 5 | 5 | 6 | 6 | 6 | 7 | 8 | 11 | 11 | 14 | 29 | 35 | 30 | 42 | 51 | 59 | 56 | 57 | 32 | 20 | 20 | 16 | 14 | 14 | 14 | 15 | 13 | 11 | 11 | 12 | 12 |
| 1 | 1 | 1 | 1 | 0 | 1 | 1 | 2 | 3 | 3 | 5 | 5 | 6 | 9 | 11 | 14 | 20 | 40 | 36 | 23 | 21 | 27 | 47 | 46 | 42 | 26 | 15 | 10 | 12 | 11 | 10 | 8 | 5 | 4 | 5 | 4 | 4 |
| 5 | 5 | 5 | 5 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 6 | 9 | 12 | 27 | 29 | 24 | 10 | 9 | 9 | 10 | 12 | 12 | 17 | 22 | 14 | 12 | 13 | 14 | 14 | 12 | 10 | 9 | 10 | 10 | 10 |
| 3 | 3 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 4 | 5 | 4 | 6 | 9 | 12 | 21 | 20 | 18 | 9 | 5 | 5 | 7 | 8 | 8 | 9 | 11 | 11 | 10 | 9 | 10 | 9 | 8 | 6 | 4 | 4 | 4 | 4 |
| 4 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 5 | 6 | 5 | 6 | 6 | 7 | 9 | 13 | 19 | 19 | 15 | 8 | 6 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 11 | 11 | 10 | 9 | 7 | 7 | 7 | 7 | 7 |
| 6 | 4 | 2 | 2 | 1 | 2 | 2 | 3 | 3 | 4 | 3 | 4 | 5 | 5 | 8 | 11 | 19 | 20 | 16 | 12 | 7 | 5 | 7 | 7 | 8 | 8 | 8 | 9 | 11 | 12 | 11 | 9 | 7 | 8 | 7 | 8 | 8 |
| 7 | 5 | 6 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 6 | 7 | 11 | 14 | 35 | 37 | 33 | 29 | 18 | 23 | 21 | 13 | 10 | 8 | 8 | 8 | 12 | 10 | 11 | 10 | 8 | 6 | 5 | 5 | 5 |
| 9 | 8 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 11 | 12 | 15 | 24 | 31 | 38 | 35 | 32 | 27 | 26 | 23 | 17 | 13 | 12 | 11 | 13 | 15 | 16 | 15 | 13 | 11 | 10 | 9 | 10 |
| 14 | 14 | 14 | 14 | 16 | 17 | 18 | 16 | 17 | 17 | 15 | 16 | 18 | 19 | 19 | 19 | 17 | 15 | 23 | 24 | 27 | 25 | 24 | 24 | 23 | 20 | 19 | 17 | 17 | 18 | 19 | 19 | 19 | 15 | 17 | 16 | 17 |
| 3 | 3 | 3 | 2 | 4 | 6 | 6 | 4 | 4 | 3 | 3 | 5 | 8 | 13 | 16 | 16 | 13 | 17 | 24 | 27 | 23 | 35 | 40 | 36 | 20 | 11 | 8 | 6 | 6 | 7 | 7 | 8 | 8 | 5 | 4 | 4 | 4 |
| 6 | 5 | 5 | 5 | 8 | 11 | 13 | 14 | 12 | 12 | 11 | 10 | 13 | 19 | 35 | 35 | 37 | 33 | 27 | 22 | 20 | 18 | 19 | 16 | 13 | 13 | 12 | 13 | 13 | 13 | 13 | 12 | 11 | 9 | 10 | 10 | 10 |
| 3 | 3 | 2 | 2 | 2 | 3 | 4 | 6 | 5 | 3 | 5 | 6 | 9 | 18 | 32 | 45 | 56 | 67 | 57 | 32 | 20 | 27 | 27 | 19 | 13 | 10 | 7 | 8 | 9 | 8 | 8 | 10 | 7 | 6 | 4 | 4 | 4 |
| 6 | 6 | 7 | 7 | 7 | 9 | 11 | 12 | 13 | 12 | 13 | 16 | 18 | 19 | 23 | 30 | 53 | 51 | 38 | 31 | 30 | 29 | 25 | 24 | 21 | 19 | 19 | 18 | 17 | 16 | 17 | 18 | 18 | 13 | 11 | 10 | 9 |
| 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 8 | 11 | 13 | 11 | 16 | 23 | 24 | 25 | 19 | 19 | 21 | 22 | 20 | 14 | 12 | 13 | 12 | 12 | 10 | 11 | 13 | 15 | 12 | 8 | 6 | 5 |
| 9 | 9 | 9 | 9 | 10 | 11 | 12 | 11 | 11 | 12 | 12 | 15 | 16 | 17 | 18 | 21 | 22 | 27 | 31 | 28 | 29 | 43 | 49 | 39 | 28 | 18 | 15 | 11 | 11 | 12 | 13 | 14 | 15 | 16 | 11 | 11 | 10 |
| 4 | 4 | 5 | 4 | 4 | 5 | 7 | 6 | 7 | 8 | 8 | 10 | 12 | 15 | 17 | 33 | 46 | 31 | 31 | 31 | 31 | 41 | 58 | 50 | 33 | 24 | 14 | 9 | 8 | 9 | 11 | 12 | 12 | 12 | 9 | 8 | 8 |
| 5 | 6 | 8 | 9 | 9 | 9 | 12 | 11 | 12 | 14 | 17 | 19 | 20 | 20 | 24 | 34 | 57 | 45 | 35 | 42 | 40 | 37 | 48 | 43 | 36 | 31 | 18 | 10 | 10 | 10 | 11 | 12 | 11 | 13 | 11 | 8 | 8 |
| 9 | 9 | 9 | 9 | 10 | 11 | 11 | 10 | 11 | 12 | 10 | 10 | 10 | 11 | 13 | 19 | 24 | 22 | 23 | 19 | 25 | 37 | 36 | 39 | 40 | 24 | 18 | 15 | 13 | 12 | 13 | 12 | 13 | 13 | 14 | 13 | 13 |
| 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 6 | 13 | 16 | 30 | 48 | 42 | 32 | 21 | 19 | 19 | 19 | 19 | 24 | 20 | 13 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 6 | 5 |
| 9 | 9 | 8 | 8 | 10 | 10 | 9 | 9 | 8 | 9 | 9 | 9 | 11 | 12 | 14 | 15 | 13 | 12 | 13 | 14 | 13 | 12 | 15 | 16 | 15 | 16 | 16 | 16 | 16 | 12 | 12 | 11 | 11 | 11 | 12 | 12 | 12 |
| 4 | 3 | 2 | 2 | 1 | 3 | 5 | 5 | 4 | 3 | 3 | 3 | 4 | 6 | 7 | 9 | 10 | 10 | 8 | 5 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 5 | 5 | 5 | 5 | 4 |
| 9 | 8 | 7 | 7 | 7 | 8 | 10 | 10 | 9 | 9 | 9 | 10 | 11 | 13 | 16 | 19 | 27 | 37 | 22 | 12 | 11 | 11 | 12 | 11 | 11 | 12 | 11 | 11 | 11 | 11 | 11 | 10 | 9 | 9 | 9 | 9 | 8 |
| 10 | 11 | 11 | 11 | 12 | 13 | 14 | 17 | 14 | 14 | 14 | 16 | 19 | 20 | 23 | 29 | 38 | 60 | 45 | 20 | 16 | 15 | 15 | 16 | 16 | 16 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 12 | 12 | 12 | 12 |
| 10 | 10 | 10 | 12 | 12 | 14 | 16 | 16 | 15 | 14 | 13 | 16 | 23 | 23 | 28 | 37 | 45 | 60 | 49 | 25 | 24 | 24 | 24 | 23 | 21 | 18 | 17 | 17 | 16 | 17 | 17 | 16 | 15 | 15 | 15 | 15 | 15 |
| 13 | 13 | 12 | 11 | 12 | 16 | 16 | 17 | 16 | 14 | 14 | 14 | 18 | 20 | 24 | 42 | 59 | 43 | 40 | 26 | 26 | 21 | 19 | 18 | 16 | 17 | 15 | 15 | 15 | 16 | 18 | 19 | 14 | 13 | 14 | 14 | 14 |
| 16 | 16 | 15 | 16 | 16 | 20 | 18 | 18 | 16 | 15 | 17 | 18 | 20 | 23 | 29 | 42 | 46 | 37 | 32 | 30 | 28 | 26 | 23 | 21 | 18 | 18 | 20 | 20 | 21 | 20 | 21 | 23 | 20 | 18 | 19 | 18 | 18 |
| 6 | 6 | 6 | 6 | 8 | 11 | 11 | 10 | 9 | 8 | 11 | 12 | 14 | 16 | 21 | 30 | 35 | 31 | 27 | 24 | 22 | 20 | 18 | 15 | 11 | 12 | 14 | 13 | 14 | 14 | 15 | 17 | 16 | 11 | 9 | 9 | 9 |
| 7 | 7 | 7 | 8 | 10 | 12 | 13 | 12 | 11 | 10 | 12 | 15 | 18 | 19 | 22 | 24 | 28 | 27 | 27 | 26 | 26 | 27 | 23 | 19 | 14 | 14 | 16 | 15 | 15 | 15 | 15 | 17 | 20 | 16 | 10 | 8 | 9 |
| 13 | 12 | 12 | 12 | 12 | 14 | 16 | 17 | 17 | 16 | 17 | 20 | 22 | 23 | 27 | 39 | 33 | 24 | 27 | 30 | 28 | 31 | 36 | 31 | 28 | 27 | 24 | 23 | 22 | 24 | 24 | 24 | 24 | 25 | 24 | 22 | 22 |
| 11 | 11 | 10 | 10 | 10 | 11 | 12 | 13 | 13 | 12 | 13 | 14 | 14 | 17 | 20 | 19 | 18 | 19 | 23 | 32 | 40 | 46 | 43 | 30 | 26 | 23 | 21 | 22 | 20 | 20 | 20 | 19 | 20 | 20 | 19 | 19 | 19 |
| 15 | 13 | 13 | 13 | 14 | 15 | 17 | 19 | 18 | 16 | 16 | 16 | 18 | 19 | 19 | 20 | 19 | 21 | 23 | 30 | 50 | 52 | 51 | 36 | 28 | 24 | 22 | 21 | 21 | 21 | 21 | 20 | 20 | 22 | 21 | 20 | 21 |
| 17 | 18 | 18 | 19 | 19 | 20 | 21 | 21 | 20 | 20 | 19 | 19 | 20 | 20 | 20 | 22 | 21 | 23 | 24 | 22 | 25 | 31 | 34 | 36 | 34 | 28 | 22 | 20 | 18 | 17 | 18 | 16 | 16 | 16 | 17 | 18 | 18 |
| 8 | 8 | 7 | 7 | 7 | 6 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 6 | 10 | 14 | 17 | 22 | 22 | 20 | 19 | 22 | 26 | 23 | 30 | 31 | 23 | 18 | 15 | 14 | 14 | 13 | 12 | 12 | 12 | 12 | 13 |
| 9 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 7 | 11 | 17 | 21 | 29 | 28 | 20 | 20 | 18 | 19 | 17 | 20 | 23 | 21 | 17 | 13 | 12 | 12 | 11 | 10 | 10 | 10 | 10 | 10 |
| 26 | 24 | 22 | 21 | 20 | 20 | 20 | 21 | 22 | 22 | 22 | 22 | 24 | 28 | 31 | 33 | 34 | 34 | 34 | 34 | 32 | 32 | 33 | 36 | 35 | 37 | 35 | 34 | 31 | 29 | 29 | 28 | 27 | 27 | 26 | 25 | 24 |
| 15 | 14 | 13 | 11 | 11 | 10 | 11 | 11 | 10 | 10 | 11 | 10 | 13 | 13 | 18 | 19 | 17 | 17 | 18 | 18 | 18 | 18 | 19 | 20 | 21 | 22 | 23 | 23 | 22 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |

# Kislovodsk

**2005**

Photoelectrically measured intensities in units of $10^{-6}$ of the photospheric

Signs 'X' indicate that the measurements were not performed; signs '–' indicate

530.28 nm

| DATE | (UT) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 06:44 | 4 | 2 | – | 4 | 4 | 11 | 12 | 9 | 9 | – | 16 | 26 | 18 | 5 | 17 | 27 | 26 | 36 | 38 | 47 | 48 | 33 | 29 | 28 | 25 | 24 | – | – | 8 | – | 7 | 7 | – | – | 3 |
| 7 | 06:09 | 6 | 3 | 6 | 9 | 6 | 9 | 8 | 16 | 13 | 7 | 9 | 13 | 6 | 12 | 14 | 13 | 28 | 37 | 46 | 48 | 32 | 32 | 31 | 23 | 24 | 17 | 11 | 16 | 12 | 4 | 11 | 11 | 7 | 8 | 3 |
| 8 | 06:10 | 6 | 6 | 6 | 4 | 9 | 9 | 9 | 12 | 16 | 16 | 6 | 9 | 19 | 30 | 45 | 57 | 39 | 32 | 67 | 62 | 50 | 44 | 29 | 14 | 8 | – | – | x | x | – | – | 16 | 9 | 4 | 6 |
| 13 | 07:30 | 3 | 7 | 10 | 4 | 9 | 9 | 7 | – | 15 | 18 | 25 | 30 | 34 | 35 | 38 | 27 | 16 | 22 | 63 | 117 | 63 | 43 | 38 | 31 | 29 | 21 | 12 | 5 | 2 | – | – | 6 | 4 | 3 | 5 |
| 14 | 06:49 | 14 | 2 | 7 | 5 | 9 | 15 | 15 | – | 12 | 13 | 13 | 19 | 28 | 42 | 27 | 25 | 25 | 31 | 89 | 83 | 61 | 50 | 44 | 37 | 22 | 22 | 16 | 13 | 7 | 6 | 8 | 5 | 8 | 6 | 11 |
| 19 | 06:43 | 1 | – | 5 | 9 | 10 | 7 | 11 | 5 | 4 | 14 | 15 | 25 | 18 | 20 | 28 | 35 | 40 | 45 | 50 | 53 | 36 | 22 | 28 | 30 | 20 | 9 | 13 | 10 | – | – | 3 | 4 | 9 | 12 | 12 |
| 21 | 05:49 | 7 | 1 | 6 | 11 | 16 | 13 | 18 | 4 | 7 | 7 | 10 | 13 | 16 | 17 | 19 | 26 | 23 | 25 | 10 | 6 | 6 | 17 | 25 | 16 | 3 | 18 | 22 | 17 | 11 | 3 | 3 | 11 | 11 | 12 | 11 |
| 25 | 06:46 | 8 | 6 | 6 | 6 | 11 | 10 | 3 | 4 | 7 | 17 | 21 | 31 | 42 | 52 | 67 | 48 | 46 | 26 | 25 | 24 | 15 | 17 | 20 | 29 | 19 | 7 | x | 16 | 13 | 13 | 3 | 7 | 6 | 12 | 10 |
| 27 | 10:00 | 3 | 8 | 9 | 6 | 5 | 8 | 9 | 8 | 11 | 8 | 8 | 13 | 5 | 14 | 26 | 33 | 30 | 24 | 23 | 20 | 14 | 11 | 13 | 9 | 11 | 12 | 8 | 9 | 1 | 8 | 7 | 5 | 12 | 10 | – |
| Feb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 06:02 | 2 | – | 2 | 9 | 4 | 4 | 9 | 7 | 11 | 7 | 6 | 10 | 16 | 42 | 39 | 34 | 29 | 33 | 36 | 46 | 35 | 26 | 25 | 19 | 12 | 7 | 12 | 9 | 10 | 7 | 2 | 2 | 3 | 3 | 10 |
| 5 | 08:00 | – | 6 | 5 | 4 | 3 | 10 | 7 | 8 | 12 | 7 | 14 | 15 | 17 | 38 | 49 | 59 | 40 | 36 | 22 | 30 | 42 | 39 | 28 | – | – | 8 | – | – | 1 | – | x | 6 | – | 2 | 6 |
| 6 | 08:31 | 3 | 6 | 3 | 3 | 3 | 3 | 4 | – | 19 | 28 | 28 | 38 | 45 | 95 | 100 | 93 | 43 | 41 | 37 | 36 | 54 | 51 | 37 | 34 | 28 | 29 | 22 | 19 | 20 | 11 | 4 | 1 | 6 | 3 | 6 |
| 7 | 07:05 | 4 | 4 | 3 | 11 | 10 | 10 | 13 | 18 | 26 | 28 | 34 | 47 | 54 | 60 | 84 | 54 | 32 | 37 | 53 | 57 | 89 | 56 | x | 48 | 44 | 22 | 17 | 4 | 19 | 18 | 5 | 10 | 5 | 2 | 4 |
| 8 | 07:33 | – | 1 | 5 | 9 | 2 | 7 | 1 | 11 | 13 | 13 | 13 | 28 | 41 | 26 | 18 | 18 | 30 | 53 | 53 | 52 | 39 | 18 | 15 | 18 | 12 | 11 | 10 | 9 | 15 | 14 | 12 | 10 | 7 | 4 | 4 |
| 9 | 05:40 | 3 | – | 9 | – | – | 13 | 5 | 13 | 17 | 17 | 24 | 26 | 30 | 12 | 15 | 26 | 30 | 58 | 57 | 78 | 53 | 27 | 25 | 22 | 20 | 19 | 15 | 15 | 12 | 12 | 12 | 5 | 5 | 2 | 4 |
| 10 | 10:30 | 6 | 8 | 4 | 3 | 5 | 11 | 16 | 18 | 20 | 30 | 34 | 23 | 22 | 24 | 24 | 25 | 32 | 49 | 52 | 58 | 38 | 23 | 29 | 30 | 22 | 19 | 16 | 17 | 16 | 15 | 7 | 11 | 10 | 10 | 10 |
| 12 | 09:27 | 1 | – | 3 | 10 | 9 | 5 | 3 | 12 | 17 | 17 | 18 | 20 | 21 | 25 | 28 | 34 | 66 | 43 | 42 | 53 | 48 | 44 | 43 | 38 | 30 | 31 | 29 | 18 | 19 | 10 | 7 | 9 | 6 | 4 | 1 |
| 13 | 07:59 | 6 | 4 | 7 | 10 | 10 | – | 8 | 6 | 16 | 15 | 13 | 21 | 18 | 26 | 41 | 40 | 52 | 31 | 28 | 31 | 34 | 38 | 54 | 49 | 41 | 37 | 35 | 26 | 25 | 14 | 12 | 4 | 11 | 7 | 8 |
| 14 | 09:03 | – | 6 | 12 | 10 | 7 | 10 | 9 | 12 | 19 | 19 | 18 | 20 | 25 | 26 | 28 | 23 | 18 | 20 | 36 | 47 | 67 | 46 | 38 | 34 | 25 | 23 | 23 | 19 | 17 | 10 | 10 | 7 | x | x | x |
| 16 | 07:23 | 2 | 9 | 11 | 12 | 13 | 6 | 5 | 9 | 5 | 4 | 17 | 16 | 19 | 21 | 24 | 25 | 25 | 37 | 42 | 40 | 31 | 29 | 24 | 22 | 15 | 15 | 17 | 13 | 13 | 6 | 11 | – | 3 | – | – |
| 17 | 07:18 | 5 | 7 | 7 | 13 | 8 | 7 | 8 | 6 | 5 | 14 | 15 | 20 | 26 | 17 | 14 | 16 | 17 | 23 | 26 | 23 | 19 | 18 | 17 | 16 | 14 | 9 | 9 | 12 | 4 | 2 | 7 | 10 | 11 | 9 | 3 |
| 18 | 05:46 | 8 | 4 | 8 | 8 | 10 | 7 | 12 | 6 | 9 | 14 | 16 | 18 | 22 | 28 | 18 | 20 | 22 | 25 | 31 | 25 | 18 | 14 | 18 | 26 | 22 | 19 | 15 | 13 | 8 | 5 | 12 | 11 | 5 | 5 | 10 |
| 22 | 07:30 | 9 | 4 | 3 | 7 | 7 | 6 | 7 | 8 | 8 | 8 | 11 | 19 | 25 | 34 | 36 | 39 | 32 | 33 | 23 | 28 | 19 | 24 | 25 | 20 | 20 | 19 | 16 | 9 | 8 | 6 | 6 | 6 | 6 | 5 | 3 |
| 23 | 07:16 | 6 | 8 | 6 | 6 | 6 | 4 | 7 | 12 | 16 | 17 | 21 | 22 | 22 | 25 | 28 | 18 | 13 | 18 | 29 | 20 | 18 | 19 | 16 | 14 | 12 | 13 | 13 | 12 | 6 | 3 | 7 | 2 | 2 | 1 | 3 |
| 24 | 05:11 | 9 | 2 | – | 18 | 4 | 5 | 4 | 3 | 9 | 4 | 12 | 16 | 23 | 27 | 21 | 22 | 17 | 21 | 25 | 20 | 19 | 14 | 9 | 9 | 6 | 4 | 5 | 11 | 9 | 7 | 6 | 6 | 10 | 3 | 8 |
| Mar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 07:02 | 10 | 4 | 7 | 13 | 8 | 11 | 12 | 21 | 17 | 29 | 31 | 32 | 34 | 62 | 56 | 44 | 27 | 22 | 31 | 40 | 44 | 43 | 39 | 30 | 30 | 27 | 24 | 17 | 15 | 4 | 5 | 5 | 7 | 7 | 6 |
| 7 | 05:48 | 8 | 8 | 6 | 2 | 11 | 13 | 10 | 14 | 22 | 25 | 33 | 43 | 41 | 36 | 26 | 25 | 35 | 40 | 63 | 86 | 71 | 50 | 41 | 27 | 26 | 22 | 19 | 19 | 18 | 16 | 15 | 6 | 9 | 7 | 9 |
| 13 | 07:06 | 2 | 3 | 7 | 3 | – | 12 | 11 | – | 18 | 28 | 29 | 29 | 35 | 34 | 31 | 26 | 29 | 31 | 35 | 41 | 48 | 55 | 45 | 40 | 28 | 20 | 20 | 13 | 12 | 13 | 13 | 8 | 9 | 11 | 3 |
| 14 | 05:55 | 6 | 9 | 13 | 8 | 9 | 14 | 18 | 6 | 15 | 20 | 23 | 28 | 31 | 38 | 28 | 24 | 18 | 15 | 33 | 41 | 43 | 43 | 31 | 24 | 47 | 31 | 24 | 16 | 14 | 14 | 10 | 7 | 7 | 2 | 7 |
| 15 | 08:38 | x | x | 2 | 11 | 8 | 9 | 9 | 22 | 24 | 26 | 30 | 24 | 35 | 28 | 26 | 26 | 21 | 28 | 34 | 39 | 34 | 30 | 28 | 48 | 48 | 45 | 43 | 35 | 30 | 22 | 13 | 13 | 13 | 8 | 7 |
| 17 | 04:39 | 10 | – | 1 | 4 | 6 | 1 | 16 | 9 | 15 | 15 | 18 | 20 | 16 | 20 | 18 | 17 | 16 | 15 | 19 | 18 | 28 | 19 | 18 | 16 | 16 | 16 | 14 | 7 | – | 3 | 4 | 8 | 3 | 4 | 11 |
| 21 | 06:35 | 10 | 8 | 12 | 11 | 8 | 7 | 7 | 17 | 18 | 23 | 27 | 17 | 21 | 22 | 35 | 44 | 42 | 42 | 33 | 33 | 32 | 23 | 19 | 5 | 17 | x | 14 | 13 | 9 | 4 | 5 | 4 | 6 | 2 | 1 |
| 22 | 04:38 | 3 | 2 | 11 | 14 | 9 | 14 | 14 | 13 | 6 | 7 | 13 | 19 | 19 | 16 | 18 | 28 | 30 | 36 | 28 | 18 | 14 | 7 | 16 | 11 | 10 | 7 | 15 | 4 | 5 | 10 | – | 10 | 7 | x | 1 |
| 23 | 06:30 | 5 | 8 | – | – | 12 | 19 | 12 | 12 | 17 | 18 | 22 | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| 25 | 05:49 | 10 | 6 | 2 | 9 | 13 | 22 | 17 | 22 | 24 | 24 | 22 | 22 | 15 | 6 | 19 | 21 | 32 | 25 | 24 | 22 | 17 | 19 | 24 | 24 | 24 | 22 | 4 | 5 | 11 | 5 | 8 | 11 | 4 | 11 | 5 |
| 28 | 06:53 | 10 | 2 | 2 | 14 | 14 | 21 | 25 | 23 | 14 | 26 | 23 | 22 | 22 | 16 | 21 | 25 | 25 | 18 | 19 | 20 | 27 | 22 | 19 | 18 | 17 | 16 | 7 | 7 | 6 | 7 | 5 | 15 | 4 | 5 | 1 |
| Apr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 06:10 | 2 | 10 | 5 | 11 | 13 | 13 | 19 | 13 | 24 | 21 | 17 | 17 | 28 | 28 | 39 | 52 | 56 | 35 | 54 | 93 | 77 | 58 | 30 | 37 | 32 | 34 | 24 | 21 | 21 | 8 | 17 | 11 | – | 10 | 7 |
| 5 | 04:12 | 7 | – | 9 | – | 4 | 5 | 14 | 12 | – | 14 | 14 | 18 | 25 | 34 | 28 | 28 | 30 | 19 | 31 | 53 | 54 | 39 | 25 | 19 | 16 | 19 | 19 | 17 | 21 | 18 | 18 | 16 | 16 | – | 4 |
| 6 | 04:55 | x | x | x | x | x | 15 | 1 | 19 | 18 | 11 | 18 | 21 | 13 | 15 | 14 | 25 | 28 | 33 | 38 | 46 | 27 | 25 | 26 | 22 | 21 | 18 | 17 | 23 | 21 | 22 | 16 | 14 | 13 | 9 | 11 |
| 11 | 07:32 | 9 | 8 | 7 | 2 | 7 | x | x | 11 | 12 | 16 | 19 | 26 | 28 | 30 | 16 | 15 | 24 | 35 | 49 | 37 | 32 | 26 | 26 | 41 | 37 | 32 | 28 | 25 | 24 | 19 | 14 | 17 | 15 | 10 | 2 |
| 19 | 09:01 | 6 | 8 | 10 | 4 | 11 | 13 | – | 10 | 21 | 17 | 1 | 6 | 11 | 19 | 28 | 23 | 22 | 20 | 24 | x | 22 | 21 | 29 | 19 | 18 | 16 | 17 | 10 | 13 | 14 | 15 | 11 | 7 | 9 | 5 |
| 20 | 03:54 | 4 | 10 | 9 | 9 | 11 | 12 | 19 | 24 | 15 | 10 | 15 | 24 | 27 | 28 | 22 | 28 | 21 | 21 | 23 | 28 | 30 | 6 | 29 | 20 | 18 | 26 | 12 | 21 | 19 | 16 | 12 | 4 | 3 | 11 | 15 |
| 28 | 03:19 | 7 | 11 | 11 | 12 | 16 | 15 | 17 | 20 | 24 | 26 | 28 | 31 | 37 | 14 | 21 | 25 | 32 | 35 | 34 | 43 | 39 | 28 | 28 | 33 | 31 | 23 | 19 | 19 | 19 | 18 | 16 | 17 | 14 | 3 | 9 |
| 29 | 04:48 | 5 | 12 | 2 | x | 8 | 5 | 8 | 12 | 14 | 17 | 18 | 28 | 29 | 20 | 20 | 25 | 26 | 28 | 31 | 30 | 36 | 37 | 41 | 30 | 25 | 24 | 21 | 18 | 18 | 17 | 18 | 13 | 13 | 9 | 7 |
| 30 | 06:18 | 8 | 12 | 15 | 13 | 7 | 8 | 15 | 13 | 3 | 12 | 14 | 27 | 30 | 39 | 28 | 19 | 24 | 28 | 30 | 45 | 32 | 37 | 37 | 40 | 30 | 28 | 21 | 12 | 10 | 14 | 12 | 10 | 12 | 9 | 10 |
| May | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 08:57 | 4 | 9 | 12 | 6 | 9 | 8 | 14 | 11 | 12 | 16 | 14 | 19 | 31 | 30 | 33 | 34 | 49 | 41 | 36 | 12 | 25 | 32 | 25 | 16 | 18 | 22 | 25 | 25 | 15 | 11 | 10 | 7 | 13 | 9 | 6 |
| 10 | 04:26 | 3 | 2 | 8 | 10 | 11 | 11 | 9 | 12 | 16 | 16 | 16 | 27 | 34 | 39 | 32 | 31 | 28 | 14 | 30 | 36 | 47 | 35 | 17 | 23 | 21 | 14 | 20 | 15 | 11 | 11 | 6 | 6 | 5 | 6 | 6 |
| 11 | 04:47 | 7 | 7 | 6 | 5 | 10 | 13 | 14 | 15 | 12 | 13 | 27 | 17 | 21 | 35 | 31 | 33 | 27 | 20 | 23 | 39 | 45 | 55 | 16 | 20 | 19 | 13 | 13 | 10 | 13 | 6 | 3 | 1 | 1 | 5 | 1 |
| 12 | 04:09 | 8 | 3 | 4 | 10 | 13 | 16 | 17 | 16 | 18 | 20 | 22 | 17 | 15 | 25 | 28 | 20 | 15 | 14 | 18 | 29 | 32 | 49 | 23 | 16 | 8 | 12 | 8 | 12 | 11 | 11 | 9 | 11 | 9 | 7 | 11 |
| 13 | 05:10 | 12 | 7 | 12 | 13 | 11 | 13 | 10 | 11 | 4 | 11 | 8 | 11 | 16 | 15 | 24 | 24 | 22 | 18 | 12 | 11 | 20 | 25 | 26 | 27 | 25 | 16 | 15 | 11 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |
| 17 | 04:20 | 9 | 16 | 15 | 19 | 21 | 21 | 23 | 22 | 12 | 13 | 11 | 18 | 18 | 16 | 16 | 14 | 17 | 21 | 27 | 19 | 16 | 10 | 11 | 15 | 14 | 11 | 12 | 13 | 15 | 23 | 19 | 18 | 11 | 9 | 10 |
| 18 | 05:30 | 3 | 13 | 6 | 15 | 15 | 17 | 15 | 19 | 22 | 16 | 9 | 8 | 16 | 11 | 9 | 21 | 22 | 23 | 26 | 17 | 14 | 14 | 17 | 15 | 15 | 11 | 15 | 19 | 24 | 23 | 8 | 10 | 16 | 15 | 8 |
| 19 | 06:48 | 8 | 6 | 8 | 11 | 9 | 14 | 16 | 19 | 17 | 18 | 18 | 15 | 16 | 19 | 7 | 18 | 30 | 44 | 32 | 28 | 20 | 23 | 18 | 14 | 11 | 5 | 8 | 18 | 10 | 15 | 7 | 3 | 8 | 11 | 10 |
| 21 | 05:52 | 10 | 7 | 9 | 11 | 12 | 15 | 8 | 11 | 13 | 24 | 26 | 30 | 23 | 35 | 74 | 59 | 48 | 60 | 67 | 92 | 71 | 37 | 25 | 22 | 22 | 23 | 16 | 20 | 13 | 16 | 13 | 19 | 17 | 9 | 13 |
| 22 | 04:50 | 7 | 13 | 18 | 10 | 10 | 14 | 12 | 16 | 22 | 26 | 26 | 30 | 32 | 37 | 74 | 70 | 37 | 41 | 72 | 76 | 50 | 33 | 30 | 22 | 20 | 10 | 12 | 10 | 15 | 16 | 11 | 11 | 12 | 6 | 5 |
| 23 | 05:59 | 13 | 15 | 11 | 11 | 15 | 19 | 19 | 17 | 22 | 21 | 28 | 23 | 35 | 45 | 46 | 54 | 46 | 37 | 63 | 72 | 45 | 28 | 28 | 26 | 17 | 6 | 18 | 14 | 11 | 19 | 11 | 10 | 2 | 9 | 9 |
| 24 | 05:27 | 10 | 9 | 10 | 9 | 8 | 10 | 10 | 12 | 16 | 22 | 24 | 26 | 23 | 23 | 35 | 37 | 38 | 30 | 21 | 36 | 32 | 27 | 22 | 18 | 14 | 11 | 16 | 19 | 18 | 14 | 13 | 15 | 9 | 7 | 8 |
| 29 | 04:21 | 6 | 7 | 8 | – | 8 | 9 | 19 | 18 | 19 | 17 | 14 | 19 | 17 | 23 | 28 | 27 | 24 | 31 | 24 | 46 | 55 | 83 | 66 | 48 | 44 | 35 | 26 | 30 | 6 | 4 | 5 | – | 5 | 7 | 7 |
| 30 | 06:18 | 3 | 11 | 8 | 11 | 14 | 12 | 11 | 19 | 20 | 23 | 19 | 19 | 26 | 23 | 21 | 22 | 23 | 27 | 45 | 58 | 35 | 35 | 26 | 22 | 21 | 18 | 11 | 21 | 15 | 7 | 14 | 9 | 13 | 11 | 10 |
| 31 | 03:05 | 10 | 9 | 6 | 8 | 13 | 14 | 20 | 23 | 15 | 19 | 24 | 24 | 25 | 29 | 29 | 22 | 22 | 25 | 21 | 27 | 37 | 33 | 26 | 18 | 17 | 16 | 18 | 21 | 19 | 17 | 16 | 8 | 9 | 9 | 4 |
| Jun | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 02:50 | 9 | 6 | 5 | 2 | 16 | 10 | 13 | 9 | 12 | 12 | 12 | 15 | 16 | 11 | 20 | 17 | 16 | 17 | 13 | 9 | 13 | 15 | 16 | 15 | 10 | 13 | 6 | 11 | 6 | 7 | 5 | 10 | 10 | 6 | 7 |
| 10 | 03:15 | 16 | 2 | 8 | 19 | 8 | – | 12 | 11 | 20 | 15 | 10 | 9 | 18 | 17 | 25 | 20 | 19 | 21 | 23 | 26 | 23 | 14 | 26 | 16 | 20 | 28 | 33 | 19 | 14 | 14 | 18 | 19 | 13 | 10 | 8 |
| 11 | 05:25 | 7 | 11 | 7 | – | 6 | 9 | 5 | 9 | 13 | 18 | 19 | 23 | 27 | 15 | 6 | 13 | 18 | 18 | 17 | 16 | 11 | 19 | 21 | 21 | 18 | 17 | 16 | 23 | 19 | 18 | 18 | 6 | 6 | 12 | 9 |
| 14 | 07:45 | 13 | 2 | 11 | 4 | 9 | 13 | 16 | 17 | 13 | 14 | 12 | 16 | 15 | 12 | 18 | 22 | 24 | 29 | 30 | 21 | 19 | 20 | 5 | 9 | 16 | 16 | 12 | 15 | 12 | 9 | 5 | 11 | 2 | 5 | 10 |
| 15 | 05:50 | 14 | 8 | 6 | 13 | 12 | 10 | 11 | 12 | 20 | 6 | 10 | 19 | 11 | 20 | 16 | 19 | 10 | 8 | 16 | 13 | 12 | 11 | 10 | 12 | 20 | 22 | 22 | 19 | 11 | 7 | 6 | 9 | x | x | x |
| 18 | 04:20 | 4 | 11 | 11 | 6 | 4 | 15 | – | 13 | 22 | 17 | 18 | 17 | 13 | 20 | 17 | 17 | 16 | 29 | 39 | 52 | 54 | 50 | 48 | 38 | 23 | 20 | 20 | 18 | 12 | 12 | 16 | 11 | 10 | 5 | 8 |
| 19 | 04:20 | 12 | x | 5 | 8 | 4 | 13 | 19 | 20 | 17 | 17 | 24 | 20 | 26 | 24 | 22 | 24 | 28 | 24 | 22 | 30 | 15 | 19 | 13 | 21 | 21 | 21 | 15 | 21 | 24 | 12 | 12 | 3 | 1 | 8 | 4 |
| 20 | 05:00 | 9 | 8 | 4 | 6 | 6 | 16 | 23 | 24 | 17 | 21 | 23 | 28 | 31 | 33 | 28 | 31 | 25 | 24 | 23 | 16 | 20 | 16 | x | · | · | · | · | · | · | · | · | · | · | – | – |
| 23 | 02:53 | 9 | 9 | 11 | 14 | 6 | 8 | 11 | 16 | 19 | 13 | 12 | 11 | 12 | 10 | 16 | 18 | 12 | 19 | 20 | 25 | 22 | 19 | 19 | 18 | 17 | 16 | 12 | 9 | 8 | 11 | 10 | 4 | 2 | 2 | 2 |
| 24 | 03:30 | 9 | 7 | 6 | 7 | 12 | 12 | 12 | 11 | 11 | 13 | 17 | 15 | 16 | 18 | 22 | 26 | 28 | 23 | 29 | 29 | 32 | 22 | 30 | 18 | 16 | 11 | 10 | 12 | 6 | 2 | 9 | 3 | 10 | 12 | 10 |
| 25 | 04:38 | 13 | – | – | – | 15 | 13 | 18 | 13 | 11 | 26 | 14 | 18 | 20 | 22 | 27 | 30 | 36 | 40 | 45 | 28 | 20 | 21 | 25 | 22 | 21 | 30 | 27 | 17 | 18 | 18 | 10 | 8 | 10 | 6 | – |
| Jul | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 05:20 | 3 | 1 | 4 | 9 | 17 | 14 | 13 | 12 | 15 | 13 | 16 | 11 | 23 | 25 | 35 | 26 | 23 | 22 | 30 | 43 | 33 | 31 | 21 | 14 | 10 | 23 | 21 | 12 | 9 | 10 | 8 | 9 | 6 | 11 | 9 |
| 4 | 07:23 | 5 | 10 | 9 | 15 | 12 | 12 | 14 | 21 | 23 | 24 | 23 | 21 | 32 | 34 | 46 | 35 | 33 | 28 | 26 | 17 | 24 | 31 | 30 | 29 | 26 | 24 | 20 | 18 | 17 | 16 | 11 | 9 | 9 | 5 | 8 |
| 6 | 04:36 | 2 | – | 11 | 6 | 1 | 16 | 17 | 20 | 20 | 17 | 19 | 21 | 19 | 35 | 48 | 36 | 34 | 26 | 24 | 35 | 39 | 46 | 41 | 30 | 27 | 22 | 20 | 19 | 15 | 11 | 4 | 8 | 12 | 12 | 8 |
| 8 | 04:17 | 2 | 13 | 12 | 14 | 10 | 14 | 19 | 20 | 22 | 20 | 10 | 13 | 18 | 23 | 24 | 39 | 28 | 19 | 26 | 32 | 30 | 34 | 30 | 22 | 19 | 18 | 18 | 12 | 8 | 4 | 7 | 9 | 12 | 16 | 8 |
| 13 | 05:40 | 8 | 11 | 10 | 12 | – | 12 | 15 | 22 | 23 | 20 | 17 | 18 | 9 | 22 | 26 | 30 | 39 | 28 | 22 | 38 | 48 | 34 | 28 | 26 | 18 | 18 | 10 | 10 | 11 | 12 | 8 | 13 | 10 | 9 | 7 |
| 14 | 10:48 | 5 | – | 6 | 12 | 14 | 11 | 8 | 16 | 14 | 19 | 18 | 19 | 21 | 16 | 21 | 22 | 23 | 21 | 20 | 24 | 30 | 25 | 20 | 18 | 16 | 13 | 23 | x | x | x | x | x | x | x | x |
| 18 | 04:23 | 5 | 3 | – | 14 | 10 | 15 | 20 | 24 | 17 | 12 | 16 | 18 | 22 | 22 | 20 | 22 | 12 | 24 | 19 | 18 | 25 | 30 | 30 | 34 | 26 | 22 | 18 | 16 | 14 | 4 | 2 | 6 | 4 | 6 | 2 |
| 20 | 05:18 | 9 | 5 | 7 | 9 | 13 | 13 | 17 | 15 | 12 | 15 | 13 | 17 | 19 | 16 | 14 | 22 | 23 | 32 | 34 | 33 | 57 | 52 | 53 | 36 | 26 | 23 | 18 | 20 | 20 | 18 | 14 | 11 | 22 | 11 | 9 |
| 21 | 03:21 | 8 | 11 | 7 | 13 | 9 | 16 | 13 | 11 | 12 | 7 | 13 | 16 | 16 | 15 | 13 | 24 | 17 | 20 | 37 | 36 | 37 | 39 | 33 | 23 | 25 | 25 | 20 | 18 | 12 | 7 | 21 | 11 | 10 | 19 | 15 |
| 22 | 03:32 | 7 | 9 | 7 | 10 | 9 | 13 | 14 | 12 | 10 | 8 | 10 | 13 | 16 | 18 | 20 | 23 | 27 | 30 | 37 | 40 | 42 | 39 | 33 | 25 | 23 | 22 | 20 | 17 | 13 | 11 | 10 | 11 | 10 | 9 | 5 |
| 24 | 05:20 | 6 | 10 | 13 | 15 | 16 | 16 | 10 | 12 | 10 | 10 | 14 | 9 | 8 | 14 | 24 | 24 | 38 | 42 | 49 | 72 | 67 | 54 | 54 | 50 | 41 | 34 | 21 | 23 | 15 | 12 | 18 | 17 | 10 | 13 | 12 |
| 25 | 07:48 | 12 | 15 | 7 | 7 | 9 | 7 | 8 | 14 | 16 | 17 | 14 | 17 | 8 | 21 | 22 | 26 | 26 | 30 | 31 | 29 | 27 | 27 | 30 | 35 | 31 | 26 | 25 | 20 | 13 | 12 | 11 | 8 | 10 | 8 | 7 |
| 28 | 03:36 | 4 | 8 | 7 | 10 | 17 | 15 | 12 | 11 | 18 | 14 | 21 | 18 | 23 | 24 | 32 | 38 | 50 | 49 | 26 | 48 | 35 | 34 | 34 | 26 | 21 | 21 | 20 | 18 | 14 | 20 | 17 | 14 | 10 | 8 | 2 |
| 29 | 04:22 | 9 | 12 | 10 | 11 | 16 | 17 | 15 | 16 | 18 | 19 | 11 | 16 | 18 | 24 | 32 | 34 | 43 | 28 | 22 | 14 | 25 | 25 | 32 | 20 | 30 | 28 | 14 | 12 | 15 | 15 | 10 | 12 | 8 | 5 | 6 |
| 31 | 04:40 | 11 | 9 | 11 | 13 | 13 | 18 | 10 | 17 | 21 | 22 | 23 | 14 | 25 | 22 | 26 | 22 | 31 | 56 | 49 | 48 | 45 | 72 | 53 | 40 | 36 | 32 | 26 | 20 | 27 | 24 | 20 | 20 | 11 | 7 | 7 |
| Aug | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 05:16 | 11 | 15 | 10 | 10 | 16 | 16 | 21 | 25 | 22 | 21 | 20 | 19 | 18 | 29 | 34 | 33 | 23 | 21 | 32 | 34 | 34 | 29 | 25 | 24 | 23 | 22 | 21 | 20 | 20 | 16 | 9 | 10 | 13 | 15 | 9 |
| 7 | 04:38 | 7 | 8 | 9 | 15 | 12 | 14 | 20 | 17 | 10 | 14 | 18 | 14 | 23 | 21 | 16 | 11 | 14 | 22 | 37 | 23 | 30 | 24 | 21 | 16 | 14 | 17 | 18 | 24 | 17 | 14 | 8 | 12 | 7 | 8 | 9 |
| 8 | 05:06 | x | x | x | x | x | x | x | x | x | x | x | x | x | 29 | 38 | 49 | 28 | 30 | 44 | 58 | 69 | 48 | 32 | 30 | 21 | 20 | 18 | 17 | 11 | 19 | 11 | 12 | 16 | 15 | 15 |
| 10 | 08:57 | 13 | 14 | 14 | 19 | 12 | 14 | 19 | 17 | 21 | 23 | 23 | 28 | 28 | 45 | 28 | 26 | 23 | 13 | 30 | 33 | 34 | 45 | 40 | 35 | 30 | 23 | 19 | 13 | 19 | 18 | 19 | 17 | 11 | 16 | 12 |
| 12 | 04:32 | 7 | 10 | 15 | 19 | 16 | 10 | 19 | 21 | 11 | 22 | 37 | 28 | 26 | 19 | 37 | 41 | 38 | 35 | 22 | 24 | 32 | 39 | 52 | 34 | 32 | 35 | 32 | 29 | 20 | 17 | 18 | 8 | 11 | 12 | 16 |
| 14 | 05:40 | 10 | 15 | 16 | 15 | 20 | 25 | 26 | 28 | 37 | 31 | 30 | 34 | 44 | 34 | 30 | 28 | 24 | 30 | 34 | 36 | 44 | 45 | 41 | 37 | 32 | 22 | 22 | 20 | 17 | 12 | 13 | 16 | 8 | 12 | 9 |
| 15 | 05:18 | – | 8 | 11 | 11 | 18 | 12 | 7 | 10 | 12 | 24 | 33 | 28 | 16 | 18 | 20 | 24 | 30 | 38 | 40 | 35 | 32 | 41 | 44 | 39 | 30 | 9 | 10 | 9 | 13 | 10 | 17 | 19 | 17 | 9 | 7 |
| 16 | 04:52 | 16 | 11 | 9 | 9 | 11 | 12 | 11 | 10 | 22 | 25 | 30 | 27 | 32 | 40 | 43 | 47 | 38 | 36 | 31 | 43 | 41 | 42 | 36 | 33 | 34 | 28 | 27 | 23 | 7 | 15 | 9 | 11 | 18 | 15 | 18 |
| 23 | 05:42 | 4 | 10 | 17 | 15 | 13 | 8 | 8 | 11 | 9 | 13 | 18 | 22 | 28 | 29 | 34 | 46 | 26 | 15 | 19 | 22 | 35 | 36 | 26 | 26 | 24 | 22 | 14 | 18 | 22 | 16 | 9 | 9 | 16 | 17 | – |
| 24 | 04:59 | 16 | 17 | 13 | 18 | 10 | 21 | 31 | 22 | 17 | 20 | 23 | 24 | 34 | 37 | 43 | 48 | 55 | 33 | 20 | 23 | 32 | 44 | 36 | 26 | 22 | 17 | 19 | 20 | 24 | 15 | 10 | 11 | 16 | 18 | 14 |
| 29 | 06:30 | 5 | 6 | 14 | 15 | 16 | 15 | 20 | 28 | 35 | 23 | 15 | 4 | 14 | 24 | 33 | 23 | 20 | 21 | 35 | 42 | 46 | 53 | 56 | 48 | 46 | 36 | 28 | 18 | 20 | 18 | 17 | 16 | 10 | 9 | 10 |

# Observatory

spectrum of the disk center, at the same wavelength and of 1Å width.

that the intensities of the corona were not visible or too weak to be measured.

| 175 | 180 | 185 | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 4 | 4 | 4 | 4 | 6 | 8 | – | – | – | 4 | 5 | 6 | 14 | 20 | 19 | 18 | 27 | 39 | 44 | 42 | 35 | 29 | 34 | 34 | 25 | 22 | 21 | 16 | 10 | – | 9 | 13 | 10 | 5 | 3 | 5 |
| 9 | 6 | 5 | 3 | 5 | 11 | – | 5 | – | 14 | 18 | 11 | 6 | 9 | 11 | 14 | 25 | 28 | 33 | 41 | 36 | 36 | 30 | 27 | 26 | 24 | 23 | 19 | 16 | 4 | 2 | 2 | 9 | 7 | 9 | 2 | – |
| x | x | x | x | x | x | x | x | x | x | x | 6 | 19 | 24 | 39 | 50 | 39 | 34 | 44 | 60 | 67 | 39 | 26 | 24 | 24 | 16 | 19 | 19 | 20 | 16 | – | 9 | 6 | 9 | 6 | 4 | 6 |
| 2 | 4 | – | – | 5 | 3 | 10 | 13 | 14 | 6 | 6 | 3 | 11 | 20 | 21 | 25 | 30 | 29 | 22 | 19 | 21 | 27 | 28 | 37 | 34 | 29 | 17 | 15 | 11 | 6 | 3 | 1 | – | – | 2 | 8 | 9 |
| 12 | 9 | 3 | 9 | – | 4 | – | 10 | 12 | 14 | 6 | 6 | 19 | 22 | 27 | 20 | 19 | 16 | 29 | 37 | 39 | 50 | 46 | 23 | 19 | 31 | 25 | 14 | 12 | 7 | 6 | 7 | 4 | 7 | 3 | 4 | – |
| 9 | 5 | 9 | 11 | 6 | 4 | – | 4 | 4 | 8 | 13 | 15 | 14 | 18 | 28 | 30 | 37 | 42 | 55 | 63 | 56 | 39 | 37 | 34 | 26 | 24 | 24 | 8 | 6 | 6 | 16 | 15 | 6 | 5 | 4 | – | – |
| – | – | 7 | 10 | 11 | 3 | 9 | 8 | 2 | 6 | 10 | 14 | 17 | 19 | 23 | 27 | 38 | 43 | 74 | 114 | 49 | 54 | 66 | 81 | 53 | 42 | 20 | 11 | x | 4 | 5 | 9 | 9 | 5 | 10 | 9 | 9 |
| 5 | 1 | 2 | 8 | 8 | 2 | 6 | 1 | 4 | 6 | 8 | 10 | 13 | 15 | 27 | 40 | 54 | 80 | 90 | 92 | 63 | 45 | 27 | 57 | 48 | 37 | 20 | 19 | 9 | 7 | 4 | – | 3 | 4 | 13 | 8 | – |
| 7 | 4 | 6 | 5 | 6 | 1 | 8 | 14 | 10 | 8 | 8 | 12 | 12 | 15 | 23 | 26 | 27 | 31 | 31 | 35 | 40 | 30 | 19 | 8 | 7 | 10 | 20 | 16 | 14 | 12 | 12 | 10 | 6 | 9 | 10 | 12 | 5 |
| 8 | 11 | 3 | 2 | 9 | 9 | 11 | 11 | 13 | 14 | 12 | 11 | 11 | 13 | 16 | 21 | 24 | 38 | 25 | 19 | 11 | 5 | 15 | 16 | 17 | 17 | 2 | 9 | 4 | 6 | 7 | 2 | 10 | 6 | 2 | 10 | 6 |
| 12 | – | – | 7 | – | – | – | 9 | 14 | 16 | 16 | 11 | 22 | 21 | 16 | 25 | x | 29 | 24 | 16 | 15 | 25 | 18 | – | 4 | 19 | 23 | 25 | 24 | 13 | 14 | 4 | 3 | 10 | 4 | 8 | 4 |
| 5 | 8 | 12 | 7 | 5 | 7 | 15 | 10 | 13 | 13 | 11 | 19 | 25 | 17 | 20 | 22 | x | 50 | 33 | x | 32 | x | 40 | 41 | 53 | 42 | x | 23 | 17 | 5 | 6 | 3 | 10 | 7 | – | 10 | – |
| – | 2 | – | 1 | 8 | – | 3 | – | 2 | – | 6 | 6 | 10 | 24 | 22 | 28 | 39 | 41 | 33 | 29 | 21 | 10 | 21 | 39 | 37 | 25 | 4 | 9 | 5 | 11 | 12 | 3 | 4 | – | – | – | 9 |
| 5 | 4 | 5 | 4 | 12 | 17 | 5 | 14 | 15 | 21 | 15 | 13 | 15 | 16 | 18 | 24 | 31 | 28 | 34 | 34 | 24 | 22 | 30 | 6 | 14 | 17 | 17 | 12 | 14 | 15 | 13 | 6 | 7 | 8 | 9 | 9 | 9 |
| 2 | 10 | 8 | 8 | 2 | 9 | 4 | 2 | 5 | 4 | 6 | 11 | 13 | 13 | 29 | 27 | 31 | 38 | 32 | 23 | 24 | 36 | 38 | 12 | 18 | 12 | 12 | 7 | 15 | 12 | 5 | 6 | – | 5 | 11 | 5 |
| 3 | 3 | 2 | 8 | 5 | 4 | 8 | 12 | 8 | 6 | 9 | 22 | 23 | 28 | 29 | 37 | 37 | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| 4 | 5 | 5 | 5 | 7 | 9 | 4 | 14 | 21 | 23 | 15 | 13 | 18 | 25 | 26 | 28 | x | 31 | 46 | x | x | 35 | x | x | x | 34 | 21 | 6 | 11 | 16 | 16 | x | x | 12 | x | x | x |
| – | – | 10 | 8 | 7 | – | 11 | 1 | 16 | 18 | 13 | 17 | 26 | 31 | 30 | 34 | 36 | 39 | 45 | 34 | 29 | 49 | 66 | 22 | x | 18 | 26 | 11 | 9 | 7 | 11 | 6 | 7 | 3 | 2 | 7 | 3 |
| x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | – |
| – | – | – | – | 4 | 2 | 4 | 8 | 9 | 6 | 6 | 12 | 19 | 25 | 34 | 34 | 99 | 125 | 77 | 68 | 63 | 57 | 26 | 22 | 29 | 43 | 41 | 38 | 11 | 4 | 4 | 3 | 8 | 9 | 6 | 13 | 3 |
| 1 | 9 | 10 | 9 | – | 1 | 8 | 4 | 4 | 9 | 18 | 17 | 25 | 53 | 50 | 48 | 43 | 31 | 42 | 46 | 39 | 35 | 30 | 24 | 19 | 13 | 11 | 11 | 7 | 11 | 8 | 12 | 12 | 9 | 8 | 12 | 12 |
| 11 | 9 | 1 | 8 | 3 | 8 | 2 | 1 | 5 | 4 | 11 | 16 | 21 | 22 | 22 | 28 | 51 | 46 | 38 | 38 | 33 | 44 | 46 | 52 | 67 | 36 | 26 | 11 | 11 | 15 | 9 | 9 | 9 | 12 | 7 | 11 | 11 |
| 3 | 7 | 6 | 5 | 5 | 4 | – | 2 | 5 | 10 | 12 | 15 | 9 | 18 | 24 | 30 | 47 | 49 | 58 | 53 | 50 | 21 | 38 | 42 | 32 | 32 | 28 | 22 | 17 | 17 | 18 | 11 | 9 | 8 | 8 | 10 | 3 |
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| 8 | 8 | 4 | 8 | 6 | 5 | 9 | 8 | 14 | 11 | 19 | 22 | 23 | 25 | 16 | 29 | 33 | x | x | x | 38 | 27 | 39 | 47 | 63 | 31 | 26 | 22 | 22 | 20 | 26 | 17 | 14 | 9 | 9 | 11 | 6 |
| 7 | 3 | 2 | 7 | 4 | 13 | 7 | 9 | 8 | 8 | 8 | 18 | 13 | 23 | 25 | 26 | 31 | 46 | 38 | 31 | 36 | 37 | 40 | 25 | 35 | 29 | 17 | 15 | 11 | 8 | 5 | 8 | 12 | 10 | 8 | 9 | 9 |
| 1 | 5 | 5 | 2 | 7 | 8 | 12 | 6 | 8 | 9 | 11 | 12 | 16 | 25 | 24 | 25 | x | x | 29 | 30 | 33 | 26 | 35 | x | x | 13 | 15 | 13 | 6 | x | x | 16 | 11 | 2 | 9 | 1 | 5 | 7 |
| 2 | 7 | 9 | 8 | 8 | 5 | 4 | 10 | 10 | 11 | 11 | 26 | 25 | 26 | 37 | 23 | 20 | 26 | 31 | 34 | 40 | 44 | 37 | 34 | 30 | 28 | 25 | 15 | 12 | 8 | 13 | 18 | 17 | 11 | 12 | 5 | 5 |
| 1 | 9 | 11 | 11 | 7 | 12 | 15 | 26 | 8 | 4 | 26 | 24 | 12 | 19 | 22 | x | 26 | 37 | 43 | 56 | 58 | 89 | 48 | 43 | 39 | 35 | 32 | 30 | x | 21 | 2 | 2 | x | x | 11 | 11 | 8 |
| 15 | 5 | – | – | 9 | 4 | – | – | 11 | 8 | 10 | 14 | 15 | 16 | 17 | 19 | 27 | 37 | 28 | 25 | 21 | 19 | 29 | 28 | 22 | 16 | 15 | 12 | 10 | 10 | 8 | 13 | 14 | 6 | 4 | 8 | 12 |
| 9 | 2 | 8 | 7 | 5 | 10 | 12 | 17 | 7 | 12 | 11 | 11 | 9 | 11 | 12 | 14 | 26 | 35 | 43 | 45 | 26 | 19 | 25 | 27 | 13 | 18 | 19 | 18 | 12 | 10 | 17 | 19 | 20 | 17 | 2 | 11 | 12 |
| – | 4 | – | 4 | 4 | 3 | 15 | 21 | 18 | 21 | 19 | 23 | 27 | 46 | 38 | 33 | 23 | 25 | 28 | 38 | 41 | 28 | 18 | 12 | 10 | 3 | 13 | 11 | 9 | 10 | 11 | 3 | 10 | 11 | – | 10 | 11 |
| x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | – |
| – | – | 5 | 9 | 8 | 7 | 2 | – | – | – | 2 | 13 | 2 | 10 | 12 | 17 | 27 | 41 | 71 | 50 | 39 | 28 | 22 | 36 | 37 | 26 | 20 | 13 | 16 | 16 | 17 | 17 | 14 | 11 | 7 | 8 | 7 |
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| 10 | 4 | 2 | 10 | 11 | 13 | 9 | 5 | 7 | 2 | 7 | 12 | 13 | x | 37 | 25 | 17 | x | 22 | 12 | x | 30 | 39 | x | 41 | x | 21 | 24 | 22 | 19 | 17 | 15 | 15 | 11 | – | 6 | – |
| 7 | 6 | 8 | 11 | 10 | 3 | 13 | 23 | x | 17 | 3 | 17 | 19 | 13 | 12 | 26 | 23 | 18 | 19 | 18 | 19 | 21 | 13 | 9 | 8 | 8 | 13 | 21 | 23 | 10 | 17 | 21 | 17 | 17 | 11 | 11 | – |
| 4 | 10 | 3 | 5 | 3 | 6 | 8 | 9 | 2 | 6 | 7 | 11 | 10 | 14 | 16 | 28 | 10 | 7 | 14 | 17 | 16 | 17 | 17 | 11 | 7 | 12 | 12 | 19 | 9 | 12 | 10 | 19 | 19 | 20 | x | x | x |
| 3 | 1 | 6 | 4 | 10 | 8 | 10 | 20 | 23 | 22 | 12 | 15 | 14 | 16 | 22 | 32 | 32 | 37 | 59 | 56 | 50 | 41 | 34 | 24 | 18 | 28 | 34 | 37 | 27 | 28 | 22 | 18 | 19 | 16 | 18 | 9 | 2 |
| 1 | 5 | 7 | 6 | 6 | 9 | 12 | 12 | 11 | 12 | 12 | 8 | 11 | 14 | 27 | 24 | 28 | 23 | 15 | 16 | 16 | 16 | 16 | 12 | 21 | 26 | 20 | 16 | 16 | 9 | 16 | 13 | 17 | 20 | 10 | 7 | 13 |
| 16 | 14 | 12 | 18 | 16 | 21 | 24 | 28 | 23 | 25 | 16 | 19 | 21 | 24 | 17 | 31 | 29 | 27 | 41 | 48 | 27 | 35 | 33 | 29 | 33 | 34 | 22 | 20 | 16 | 19 | 15 | 20 | 4 | 9 | 11 | 10 | 6 |
| 3 | 11 | 10 | 12 | 16 | 13 | 9 | 11 | 12 | 12 | 13 | 20 | 23 | 34 | 26 | 16 | 30 | 26 | 26 | 33 | 7 | 22 | 22 | 25 | 37 | 30 | 22 | 21 | 26 | 9 | 9 | 13 | 13 | 11 | 6 | 10 | 11 |
| 1 | 7 | 6 | 1 | 3 | 4 | 8 | 5 | 13 | 15 | 21 | 26 | 26 | 15 | 19 | 21 | 28 | 34 | 26 | 22 | 35 | 34 | 30 | 30 | x | 10 | 16 | 16 | 11 | 8 | 7 | 5 | 4 | 9 | 10 | 10 | 13 |
| 4 | 7 | 9 | 9 | 9 | 1 | 17 | 20 | 22 | 22 | 25 | 19 | 20 | 20 | 22 | 34 | 43 | 39 | 39 | 30 | 24 | 22 | 16 | 31 | 37 | 30 | 26 | 6 | 17 | 14 | 12 | 14 | 15 | 9 | 7 | 9 | 12 |
| 5 | 10 | 12 | 4 | 3 | 3 | 9 | 7 | 12 | 12 | 9 | 14 | 18 | 13 | 13 | 12 | 13 | 19 | 47 | 78 | 87 | 65 | 41 | 21 | 11 | 25 | 21 | 18 | 15 | 16 | 16 | 18 | 18 | 20 | 12 | 15 | 7 |
| 7 | 12 | 10 | 9 | 9 | 11 | 10 | 13 | 14 | 6 | 8 | 14 | 13 | 10 | 19 | 27 | 37 | 39 | 39 | 47 | 44 | 36 | 42 | 40 | 35 | 27 | 18 | 24 | 20 | 15 | 15 | 15 | 17 | 12 | 13 | 6 | 6 |
| 4 | 5 | 3 | 10 | 13 | 11 | 9 | 2 | 16 | 13 | 11 | 19 | 13 | 18 | 24 | 37 | 25 | 46 | 41 | 42 | 47 | 36 | 49 | 37 | 33 | 33 | 23 | 38 | 31 | 20 | 16 | 12 | 14 | – | 13 | – | 2 |
| 10 | 7 | 4 | 4 | 9 | 12 | 12 | 13 | 15 | 14 | 17 | 11 | 14 | 23 | 35 | 23 | 22 | 24 | 20 | 29 | 36 | 23 | 22 | 23 | 18 | 17 | 17 | 20 | 15 | 18 | 13 | 10 | 4 | – | 11 | 14 | – |
| 3 | 3 | 11 | 6 | 13 | 8 | 12 | 13 | 9 | 10 | 9 | 8 | 8 | 16 | 22 | 29 | 39 | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| 4 | 10 | 14 | 15 | 16 | 17 | 14 | 14 | 24 | 22 | 20 | 17 | 13 | 17 | 23 | 25 | 23 | 16 | 15 | 20 | 23 | 20 | 13 | 15 | 18 | 16 | 12 | 25 | 29 | 18 | 13 | 5 | 3 | x | x | x | x |
| 11 | 12 | 6 | 6 | 3 | 4 | 3 | 7 | 14 | 19 | 17 | 15 | 15 | 12 | 16 | 19 | 21 | 26 | 22 | 21 | 26 | 20 | 21 | 24 | 27 | 24 | 18 | 22 | 22 | 19 | 12 | 8 | 11 | 10 | 13 | 10 | 10 |
| 13 | 11 | 5 | 7 | 6 | 13 | 11 | 12 | 5 | 12 | 11 | 6 | 9 | 13 | 9 | 12 | 13 | 17 | 13 | 20 | 26 | 26 | 37 | 33 | 25 | 16 | 18 | 13 | 16 | 11 | 10 | 9 | 6 | 9 | 10 | 8 | 11 |
| 12 | 7 | 7 | 13 | 7 | 11 | 9 | 16 | 21 | 24 | 26 | 19 | 21 | 32 | 34 | 37 | 32 | 34 | 39 | 28 | 37 | 48 | 52 | 61 | 85 | 52 | 41 | 34 | 26 | 10 | 14 | 11 | 12 | 11 | 19 | 6 | 6 |
| 10 | 10 | 8 | 14 | 15 | 14 | 24 | 25 | 28 | 32 | 21 | 22 | 24 | 28 | 19 | 10 | 30 | 34 | 70 | 58 | 28 | 25 | 40 | 61 | 63 | 83 | 44 | 38 | 28 | 22 | 21 | 12 | 14 | 13 | 11 | 5 | 8 |
| 10 | 10 | 9 | 9 | 7 | 12 | 12 | 14 | 18 | 22 | 24 | 15 | 22 | 30 | 32 | 43 | 34 | 35 | 56 | 89 | 58 | 40 | 36 | 41 | 35 | 22 | 22 | 17 | 15 | 24 | 30 | 21 | 13 | 15 | 7 | 4 | 4 |
| 9 | 8 | 12 | 9 | 8 | 15 | 16 | 22 | 23 | 22 | 18 | 19 | 22 | 25 | 29 | 14 | 21 | 27 | 34 | 37 | x | 21 | 21 | 18 | 23 | 26 | 25 | 14 | 8 | 7 | 8 | 18 | 16 | 14 | 16 | 17 | 6 |
| – | 2 | 3 | 7 | 7 | 18 | 19 | 18 | 19 | 18 | 19 | 16 | 17 | 19 | 18 | 25 | 38 | 44 | 52 | 41 | 28 | 24 | 14 | 4 | 15 | 13 | 18 | 7 | 8 | 11 | 18 | 11 | 16 | 12 | 6 | 5 | 5 |
| 3 | 6 | 6 | 10 | 7 | 9 | 13 | 19 | 4 | 11 | 19 | 24 | 28 | 30 | 33 | 36 | 57 | 36 | 30 | 32 | 44 | 19 | 15 | 8 | 6 | 10 | 21 | 24 | 23 | 17 | 15 | 10 | 9 | 9 | 6 | 11 | 6 |
| 4 | 7 | 8 | 6 | 5 | 12 | 17 | 14 | 19 | 19 | 19 | 20 | 25 | 32 | 21 | 14 | 26 | 35 | 33 | 26 | 14 | 13 | 18 | 7 | 18 | 14 | 16 | 20 | 20 | 23 | 18 | 16 | 7 | 7 | 13 | 14 | 6 |
| 8 | 3 | 3 | 6 | 9 | 19 | 19 | 16 | 24 | 5 | 15 | 17 | 21 | 25 | 28 | 30 | 35 | 28 | 25 | 27 | 21 | 21 | 21 | 26 | 23 | 21 | 19 | 22 | 12 | 12 | 16 | 8 | 8 | 12 | 10 | x | x |
| 6 | 9 | 9 | 3 | 8 | 11 | 19 | 24 | 25 | 26 | 26 | 28 | 22 | 26 | 28 | 38 | 44 | 34 | 31 | 23 | 29 | 31 | 22 | 17 | 23 | 26 | 14 | 18 | 6 | 20 | 15 | 10 | 11 | 12 | 14 | 17 | 15 |
| 5 | 4 | 6 | 11 | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| 5 | 10 | 6 | 4 | x | x | 14 | 13 | 5 | 2 | 19 | 21 | 14 | 15 | 12 | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| 3 | 6 | 11 | 12 | 13 | 16 | 17 | 17 | 16 | 23 | 30 | 26 | 19 | 28 | 32 | 34 | 39 | 45 | 65 | 50 | 56 | 83 | 61 | 54 | 44 | 40 | 29 | 20 | 22 | 22 | 17 | 13 | 7 | 11 | 11 | 6 | 4 |
| 5 | 4 | 4 | 4 | 5 | 12 | 12 | 25 | 28 | 32 | 19 | 17 | 17 | 26 | 10 | 30 | 36 | 39 | 46 | 34 | 36 | 50 | 39 | 31 | 21 | 29 | 30 | 39 | 36 | 25 | 25 | 22 | 15 | 14 | 8 | 6 | 7 |
| – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | • |
| 10 | 5 | 9 | 9 | 6 | 8 | 9 | 13 | 15 | 14 | 17 | 9 | 16 | 19 | 22 | 28 | 39 | 36 | 33 | 23 | 16 | 11 | 12 | 23 | 18 | 15 | 13 | 12 | 9 | 10 | 11 | 10 | 8 | 5 | 10 | 5 | 8 |
| 5 | 9 | 4 | 6 | 9 | 3 | 14 | 14 | 15 | 14 | 15 | 16 | 22 | 21 | 26 | 28 | 35 | 33 | 29 | 26 | 22 | 13 | 9 | 20 | 18 | 11 | 14 | 14 | 12 | 13 | 19 | 15 | 13 | 2 | 9 | 10 | x |
| 12 | 9 | 13 | 9 | 3 | 3 | 11 | 15 | 18 | 19 | 20 | 20 | 23 | 25 | 26 | 23 | 22 | 16 | 25 | 22 | 28 | 34 | 36 | 48 | 35 | 30 | 25 | 20 | 18 | 20 | 19 | 10 | 14 | 16 | 8 | 13 | 6 |
| 11 | 11 | 10 | 9 | 11 | 6 | 6 | 14 | 11 | 7 | 8 | 9 | 16 | 18 | 20 | 25 | 22 | 18 | 20 | 17 | 18 | 13 | 11 | 17 | 13 | 11 | 8 | 11 | 12 | 12 | 10 | 10 | 4 | 9 | 10 | 13 | 9 |
| 8 | 10 | 7 | 5 | 5 | 11 | 14 | 25 | 36 | 19 | 22 | 22 | 26 | 26 | 29 | 24 | 33 | 26 | 35 | 36 | 33 | 32 | 30 | 28 | 22 | 22 | 14 | 18 | 15 | 14 | 12 | 11 | 9 | 11 | 12 | 5 | 4 |
| 10 | 11 | – | 12 | 11 | 12 | – | 9 | 18 | 24 | 26 | 30 | 19 | 30 | 39 | 48 | 63 | 61 | 46 | 36 | 46 | 21 | 32 | 40 | 34 | 28 | 18 | 17 | 17 | 17 | 12 | 18 | 15 | 8 | 1 | 10 | 10 |
| 4 | 4 | 4 | 4 | 11 | 11 | 15 | 17 | 18 | 18 | 20 | 22 | 25 | 30 | 32 | 41 | 50 | 52 | 87 | 72 | 56 | 37 | 32 | 30 | 25 | 21 | 15 | 16 | 17 | 17 | 19 | 10 | 9 | 10 | 11 | 7 | 6 |
| 1 | 8 | 9 | 5 | 4 | 9 | 10 | 12 | 19 | 20 | 22 | 19 | 22 | 24 | 21 | 25 | 25 | 28 | 39 | 39 | 44 | 57 | 49 | 37 | 27 | 15 | 19 | 18 | 12 | 14 | 12 | 15 | 11 | 5 | 1 | 9 | 5 |
| x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | – |
| 2 | 3 | 4 | 8 | 10 | 8 | 7 | 6 | 7 | 14 | 4 | 19 | 11 | 14 | 22 | 30 | 38 | 48 | 62 | 58 | 35 | 33 | 36 | 46 | 40 | 35 | 25 | 20 | 18 | 17 | 16 | 19 | 13 | 12 | 11 | 6 | – |
| 10 | 9 | 13 | 2 | 12 | 15 | 12 | 8 | 3 | 8 | 10 | 10 | 10 | 9 | 16 | 22 | 23 | 30 | 43 | 53 | 12 | 10 | 10 | 21 | 36 | 32 | 28 | 22 | 18 | 15 | 16 | 12 | 17 | 13 | 14 | 5 | 4 |
| 18 | 11 | 14 | 13 | 9 | 16 | 16 | 22 | 12 | 10 | 14 | 14 | 9 | 13 | 17 | 13 | 26 | 25 | 30 | 29 | 22 | 10 | 12 | 14 | 15 | 10 | 9 | 18 | 12 | 13 | 19 | 15 | 11 | 5 | 7 | 10 | – |
| 8 | 10 | 4 | 3 | 9 | 6 | 6 | 12 | 13 | 10 | 14 | 14 | 19 | 13 | 15 | 17 | 26 | 28 | 30 | 39 | 22 | 18 | 12 | 14 | 15 | 20 | 19 | 18 | 15 | 13 | 15 | 11 | 10 | 7 | 8 | 9 | – |
| 6 | 8 | 6 | 8 | 12 | 14 | 12 | 8 | 7 | 12 | 12 | 9 | 13 | 16 | 16 | 14 | 11 | 20 | 20 | 24 | 26 | 34 | 31 | 17 | 10 | 6 | 16 | 14 | 11 | 10 | 17 | 17 | 12 | 6 | 6 | 11 | 4 |
| 12 | 15 | 12 | 18 | 13 | – | – | – | 18 | 11 | 19 | 20 | 18 | 18 | 25 | 25 | 18 | 17 | 21 | 21 | 21 | 35 | 35 | 29 | 26 | 20 | 17 | 15 | 10 | 9 | 14 | 19 | 4 | 10 | 10 | 8 | 9 |
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| 12 | 8 | 12 | 16 | 18 | 17 | 14 | 25 | 9 | 15 | 20 | 29 | 31 | 22 | 22 | 22 | 24 | 28 | 16 | 25 | 25 | 37 | 33 | 26 | 30 | 31 | 31 | 36 | 22 | 26 | 26 | 23 | 19 | 17 | 18 | 17 | 16 |
| 6 | 10 | 16 | 12 | 10 | 13 | 14 | 20 | 24 | 21 | 17 | 19 | 25 | 33 | 38 | 51 | 65 | 66 | 74 | 77 | 68 | 66 | 82 | 45 | 35 | 26 | 20 | 24 | 23 | 20 | 6 | 12 | 11 | 13 | 15 | 11 | 7 |
| 8 | 14 | 16 | 16 | 12 | 15 | 13 | 18 | 23 | 18 | 16 | 9 | 19 | 19 | 35 | 38 | 49 | 69 | 60 | 66 | 69 | 88 | 60 | 44 | 32 | 6 | 9 | 14 | 19 | 7 | 16 | 14 | 13 | 9 | 15 | 11 | 14 |
| 18 | 15 | 16 | 16 | 18 | 24 | 26 | 29 | 30 | 26 | 22 | 18 | 9 | 9 | 20 | 23 | 37 | 52 | 65 | 77 | x | x | 97 | 80 | 55 | 35 | 23 | 20 | 17 | 13 | x | x | x | x | x | x | x |
| 8 | 5 | 2 | 8 | 10 | 13 | 24 | 22 | 32 | 22 | 19 | 17 | 20 | 29 | 30 | 38 | 41 | 37 | 48 | 54 | 55 | 55 | 81 | 52 | 43 | x | 35 | 35 | 22 | 20 | 20 | 17 | 12 | 16 | 14 | 14 | 7 |
| 15 | 8 | 14 | 16 | 17 | 18 | 17 | 19 | 22 | 32 | 20 | 10 | 18 | 20 | 28 | 35 | 65 | 88 | 51 | 31 | 40 | 58 | 66 | 40 | 30 | 24 | 16 | 22 | 20 | 17 | 16 | 13 | 14 | 17 | 10 | 15 | 12 |
| 7 | 14 | 15 | 17 | 24 | 24 | 19 | 24 | 21 | 22 | 25 | 29 | 31 | 32 | 38 | 44 | 59 | 51 | 34 | 44 | 49 | 65 | 59 | 34 | 21 | 15 | 10 | 30 | 28 | 22 | 16 | 12 | 12 | 12 | 10 | 11 | 10 |
| 10 | 9 | 8 | 13 | 9 | 14 | 12 | 5 | 8 | 15 | 20 | 22 | 19 | 23 | 25 | 40 | 55 | 52 | 51 | 37 | 25 | 34 | 41 | 45 | 52 | 44 | 24 | 11 | 19 | 21 | 16 | 8 | 14 | 9 | 14 | 11 | 9 |
| 17 | 18 | 15 | 17 | 14 | 17 | 11 | 10 | 15 | 25 | 13 | 26 | 28 | 20 | 18 | 28 | 35 | 45 | 36 | 32 | 28 | 26 | 25 | 36 | 35 | 32 | 29 | 13 | 22 | 31 | 29 | 22 | 19 | 13 | 13 | 13 | 8 |
| 12 | 7 | 11 | 12 | 16 | 10 | 15 | 19 | 26 | 17 | 13 | 17 | 23 | 13 | 23 | 35 | 59 | 61 | 48 | 39 | 39 | 33 | 30 | 24 | 24 | 12 | 22 | 26 | 28 | 14 | 26 | 17 | 14 | 10 | 11 | 24 | 11 |
| 10 | 9 | 10 | 9 | 11 | 13 | 22 | 22 | 22 | 26 | 17 | 25 | 21 | 21 | 27 | 28 | 47 | 77 | 63 | 52 | 46 | 33 | 27 | 28 | 27 | 21 | 20 | 22 | 20 | 10 | 28 | 18 | 12 | 19 | 15 | 12 | 12 |
| 11 | 13 | 13 | 6 | 7 | 10 | 15 | 20 | 26 | 9 | 10 | 7 | 14 | 20 | 35 | 40 | 43 | 45 | 48 | 62 | 61 | 69 | 80 | 77 | 67 | 45 | 30 | 20 | 17 | 7 | 10 | 19 | 11 | 10 | 16 | 17 | x |

| DATE (UT) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 |
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| Sep | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 04:23 | 18 | 5 | 13 | 12 | 9 | 2 | 13 | 16 | 7 | 10 | 6 | 7 | 13 | 11 | 12 | 26 | 22 | 17 | 7 | 22 | 28 | 41 | 54 | 30 | 19 | 19 | 15 | 9 | 15 | 12 | 10 | 10 | 10 | 11 | 2 |
| 7 04:32 | 10 | 9 | 11 | 10 | 11 | 12 | 9 | 15 | 15 | 22 | 20 | 17 | 21 | 11 | 24 | 34 | 48 | 42 | 28 | 25 | 20 | 42 | 39 | 33 | 28 | 20 | 19 | 18 | 15 | 13 | 12 | 8 | 12 | 11 | - |
| 8 04:34 | - | 19 | 13 | 18 | 17 | 17 | 19 | 10 | 13 | 19 | 16 | 18 | 20 | 17 | 13 | 28 | 38 | 21 | 28 | 38 | 44 | 33 | 27 | 16 | 15 | 13 | 21 | 17 | 15 | 16 | 14 | 12 | 12 | 11 | 10 |
| 9 06:04 | 15 | 13 | 11 | 9 | 9 | 11 | - | 6 | 18 | 21 | 17 | 18 | 22 | 23 | 17 | 21 | 26 | 24 | 35 | 40 | 59 | 42 | 37 | 27 | 23 | 22 | 20 | 12 | 18 | 13 | 11 | 10 | 4 | 16 | 5 |
| 10 06:41 | - | 9 | 5 | 15 | 17 | 9 | 15 | 14 | 13 | 6 | 14 | 21 | 9 | 22 | 25 | 20 | 20 | 13 | 23 | 26 | 37 | 33 | 28 | 25 | 20 | 19 | 17 | 17 | 10 | 11 | 14 | 15 | 6 | 10 | 11 |
| 13 05:18 | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | 15 | 8 | 10 | 10 |
| 15 04:05 | 5 | 9 | 3 | 8 | 15 | 16 | 11 | - | 10 | 3 | 9 | 15 | 17 | 18 | 34 | 35 | 39 | 38 | 33 | 33 | 23 | 20 | 15 | 14 | 17 | 13 | 13 | 9 | 11 | 12 | 10 | 10 | 11 | 9 | 10 |
| 16 04:03 | 8 | 8 | 15 | 18 | 11 | 5 | 11 | 6 | 8 | 8 | 14 | 10 | 12 | 36 | 49 | 64 | 44 | 26 | 20 | 28 | 18 | 17 | 19 | 17 | 12 | 12 | 15 | 17 | 13 | 8 | 11 | 12 | 13 | 15 | 7 |
| 20 04:31 | 4 | 10 | 12 | 4 | 12 | 13 | 16 | 10 | 7 | 9 | 17 | 20 | 28 | 39 | 30 | 25 | 19 | 20 | 27 | 33 | 28 | 21 | 18 | 17 | 15 | 13 | 10 | 12 | 16 | 15 | 10 | 9 | 7 | 11 | 7 |
| 21 04:07 | 12 | 12 | 13 | 9 | 11 | 12 | 12 | 15 | 17 | 22 | 23 | 20 | 21 | 16 | 13 | 14 | 6 | 7 | 17 | 22 | 25 | 27 | 29 | 32 | 30 | 17 | 21 | 22 | 17 | 16 | 13 | 22 | 24 | 15 | 11 |
| 22 04:22 | 6 | 5 | 12 | 17 | 8 | 8 | 10 | 8 | 17 | 10 | 13 | 17 | 20 | 20 | 23 | 16 | 10 | 13 | 15 | 20 | 23 | 16 | 5 | 8 | 16 | 12 | 13 | 5 | 8 | 9 | 8 | 10 | 6 | 11 | 5 |
| 23 04:42 | 4 | 12 | 17 | 7 | 9 | 10 | 16 | 18 | 13 | 7 | 15 | 13 | 8 | 13 | 17 | 19 | 24 | 19 | 17 | 21 | 20 | 29 | 17 | 21 | 20 | 15 | 15 | 9 | 4 | 5 | 13 | 12 | 10 | 8 | 13 |
| 27 06:33 | 10 | 8 | 9 | 7 | 4 | 17 | 15 | 10 | 16 | 20 | 23 | 25 | 24 | 23 | 20 | 15 | 26 | 30 | 36 | 20 | 19 | 18 | 15 | 12 | 7 | 16 | 10 | 9 | 8 | 6 | 5 | 10 | 6 | 11 | 5 |
| 28 10:40 | 10 | 4 | 6 | 6 | 5 | 8 | 9 | 11 | 15 | 17 | 17 | 20 | 21 | 17 | 20 | 25 | 23 | 18 | 16 | 14 | 10 | 18 | 19 | 16 | 16 | 16 | 12 | 10 | 16 | 10 | 8 | 13 | 10 | 12 | 10 |
| 29 04:04 | 14 | 14 | 4 | 13 | 9 | 8 | 13 | 10 | 7 | 10 | 8 | 10 | 13 | 13 | 16 | 24 | 21 | 19 | 21 | 17 | 15 | 7 | 10 | 15 | 9 | 12 | 15 | 12 | 12 | 2 | 7 | 10 | 4 | 7 | 16 |
| Oct | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 04:11 | 8 | 10 | 13 | 12 | 9 | 12 | 4 | 10 | 5 | 2 | 10 | 13 | 14 | 11 | 19 | 17 | 13 | 16 | 22 | 28 | 34 | 39 | 38 | 36 | 25 | 25 | 18 | 20 | 22 | 21 | 14 | 9 | 11 | 6 | 8 |
| 13 04:40 | 14 | 10 | 8 | 8 | 16 | 11 | 12 | 12 | 16 | 19 | 15 | 23 | 22 | 25 | 27 | 29 | 43 | 38 | 29 | 19 | 16 | 17 | 14 | 14 | 12 | 7 | 13 | 13 | 8 | 6 | 12 | 10 | 11 | 9 | 7 |
| 22 06:03 | 13 | 12 | 15 | 17 | 18 | 22 | 17 | 21 | 20 | 19 | 22 | 22 | 22 | 20 | 22 | 7 | 22 | 18 | 16 | 20 | 13 | 22 | 26 | 24 | 16 | 21 | 15 | 14 | 19 | 14 | 10 | 12 | 8 | 10 | 13 |
| 23 05:58 | 8 | 13 | 14 | 14 | 18 | 20 | 17 | 21 | 25 | 28 | 25 | 21 | 22 | 22 | 11 | 15 | 17 | 19 | 23 | 22 | 27 | 24 | 13 | 23 | 27 | 28 | 32 | 28 | 26 | 21 | 12 | 10 | 11 | 12 | 14 |
| 24 06:45 | 16 | 14 | 18 | 16 | 8 | 11 | 13 | 8 | 14 | 16 | 15 | 16 | 16 | 7 | 18 | 20 | 17 | 17 | 18 | 18 | 21 | 15 | 17 | 20 | 23 | 23 | 19 | 19 | 19 | 17 | 19 | 16 | 12 | 8 | 8 |
| 27 06:46 | 6 | 9 | 11 | 9 | 6 | 8 | 10 | 16 | 7 | 13 | 15 | 14 | 9 | 10 | 14 | 17 | 18 | 20 | 21 | 21 | 19 | 16 | 17 | 13 | 14 | 19 | 19 | 12 | 24 | 21 | 18 | 19 | 13 | 6 | 4 |
| Nov | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 09:43 | 10 | 9 | 12 | 10 | 9 | 12 | 9 | 15 | 16 | 12 | 15 | 10 | 9 | 7 | 15 | 20 | 26 | 15 | 12 | 25 | 33 | 38 | 28 | 22 | 20 | 16 | 12 | 13 | 4 | 16 | 16 | 13 | 16 | 9 | 11 |
| Dec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 07:33 | 4 | 8 | 12 | 14 | 16 | 17 | 16 | 18 | 22 | 16 | 16 | 10 | 16 | 18 | 18 | 30 | 24 | 20 | 19 | 17 | 15 | 15 | 11 | 11 | 21 | 15 | 16 | 13 | 14 | 10 | 11 | 11 | 10 | 9 | 4 |
| 5 07:19 | 11 | 8 | 7 | 9 | 13 | 19 | 20 | 19 | 18 | 19 | 25 | 28 | 24 | 22 | 28 | 36 | 36 | 29 | 27 | 21 | 33 | 35 | 30 | 23 | 20 | 19 | 18 | 17 | 10 | 13 | 12 | 8 | 8 | - | 15 |
| 6 09:31 | 12 | 10 | 10 | 11 | 9 | 17 | 20 | 16 | 12 | 17 | 17 | 10 | 18 | 22 | 17 | 22 | 19 | 22 | 28 | 31 | 34 | 26 | 31 | 26 | 25 | 22 | 23 | 19 | 19 | 9 | 19 | 7 | 6 | 8 | 7 |
| 13 05:56 | 4 | 7 | 6 | 8 | 9 | 10 | 13 | 12 | 16 | 16 | 12 | 15 | 14 | 15 | 20 | 22 | 28 | 20 | 13 | 16 | 19 | 20 | 8 | 8 | 15 | 15 | 10 | 5 | 6 | 8 | 4 | 10 | 5 | 7 | - |
| 14 06:12 | 9 | 8 | 11 | 13 | 13 | 14 | 16 | 10 | 13 | 9 | 5 | 8 | 19 | 14 | 15 | 19 | 23 | 16 | 15 | 27 | 26 | 21 | 19 | 17 | 16 | 14 | 15 | 8 | 5 | 7 | 5 | 8 | 6 | 5 | 2 |
| 21 07:20 | 8 | 6 | 11 | 11 | 7 | 13 | 16 | 7 | 14 | 14 | 16 | 13 | 17 | 16 | 11 | 17 | 17 | 18 | 8 | 15 | 17 | 18 | 21 | 17 | 20 | 20 | 22 | 17 | 12 | 15 | 13 | 11 | 11 | 5 | 5 |
| 22 06:16 | 7 | 7 | 12 | 9 | 13 | 10 | 10 | 11 | 13 | 12 | 11 | 7 | 16 | 17 | 18 | 30 | 27 | 41 | 60 | 39 | 34 | 17 | 17 | 15 | 14 | 9 | 12 | 14 | 14 | 11 | 6 | 4 | 3 | 5 | 9 |
| 26 08:49 | 9 | 10 | 11 | 5 | 15 | 13 | 12 | 9 | 13 | 7 | 19 | 11 | 13 | 24 | 26 | 46 | 36 | 19 | 13 | 12 | 15 | 15 | 14 | 15 | 15 | 13 | 15 | 15 | 10 | 3 | 6 | 8 | 8 | 8 | 13 |
| 27 06:33 | 8 | 6 | 12 | - | 7 | 13 | 10 | 15 | 7 | - | 11 | 12 | 18 | 14 | 16 | 23 | 23 | 24 | 12 | 17 | 19 | 22 | 13 | 14 | 11 | 11 | 12 | 16 | 10 | 13 | 7 | 9 | 12 | 6 | 5 |
| 28 05:50 | 7 | 8 | 6 | 10 | 9 | 14 | 11 | 12 | 16 | 10 | 18 | 22 | 23 | 19 | 16 | 14 | 11 | 13 | 12 | 10 | 8 | 15 | 7 | 12 | 13 | 13 | 10 | 9 | 14 | 11 | 11 | 10 | 4 | 7 | 8 |
| 29 07:18 | 5 | 2 | 9 | 12 | 11 | 8 | 12 | 7 | 13 | 7 | 7 | 13 | 12 | 8 | 12 | 24 | 20 | 22 | 25 | 26 | 21 | 15 | 22 | 21 | 16 | 11 | 14 | 13 | 13 | 6 | 2 | 6 | 10 | 7 | 4 |
| 30 06:33 | 4 | 5 | 13 | 11 | 6 | 10 | 7 | 8 | 12 | 13 | 11 | 17 | 20 | 26 | 25 | 23 | 31 | 31 | 31 | 18 | 24 | 19 | 25 | 21 | 19 | 12 | - | 13 | 11 | 14 | 11 | 9 | 8 | 12 | 8 |

## 637.46 nm

| DATE (UT) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 |
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| Jan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 06:19 | - | - | - | 13 | - | - | - | - | - | - | - | 10 | - | - | - | - | 12 | - | 13 | 8 | 8 | 6 | - | - | - | - | - | - | 7 | - | - | - | - | - | - |
| 7 06:31 | - | - | - | - | - | - | - | - | - | - | 15 | 14 | - | - | - | - | - | - | 12 | 19 | 22 | 12 | 12 | 8 | - | - | - | - | - | - | - | - | - | - | - |
| 13 06:58 | - | - | - | 5 | 17 | - | - | - | 13 | 19 | - | - | 4 | 13 | - | - | - | - | 39 | 41 | 31 | 20 | 17 | 14 | - | 11 | - | - | - | - | - | - | - | - | - |
| 14 07:20 | - | - | - | 19 | - | - | - | 18 | - | - | - | - | 18 | 9 | - | - | - | 10 | 27 | 56 | 10 | - | - | - | - | - | 13 | 16 | - | - | - | - | - | - | - |
| 18 07:10 | - | - | 4 | 3 | - | 5 | 9 | - | - | - | - | 15 | - | - | 15 | 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 19 06:46 | - | - | - | - | - | - | 8 | 9 | - | - | 10 | 25 | 30 | 15 | 11 | 8 | - | - | 12 | 15 | 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 21 06:10 | - | - | 5 | 4 | - | - | - | 8 | - | - | - | - | - | 10 | - | - | 11 | - | 16 | 10 | - | - | 10 | 12 | - | - | - | - | 8 | - | - | - | - | - | - |
| 25 06:21 | - | - | 11 | - | - | - | - | - | - | 8 | - | - | 11 | - | - | - | 13 | 18 | 21 | 20 | 17 | 13 | - | - | - | - | 7 | 10 | - | - | - | - | - | - | - |
| Feb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 05:39 | - | - | - | - | - | - | 12 | 15 | 13 | 21 | - | 11 | 10 | - | - | 19 | 30 | 21 | 17 | 19 | - | - | 17 | - | - | - | - | - | - | - | - | - | - | - | - |
| 5 09:35 | - | - | - | - | - | - | - | 18 | 13 | 12 | 12 | 11 | - | 15 | 30 | 27 | 15 | 7 | - | 11 | | - | 21 | 11 | - | - | - | - | - | - | - | - | - | - | - |
| 6 07:36 | - | - | - | - | - | - | - | - | 13 | 5 | - | - | - | 11 | 22 | 31 | 20 | 20 | 17 | 15 | 13 | - | - | - | - | - | 11 | - | - | 12 | - | - | - | - | - |
| 7 07:49 | - | - | - | - | - | - | - | - | 7 | 12 | 13 | 15 | 18 | 35 | 41 | 39 | 31 | 9 | 31 | 13 | 12 | - | - | - | 23 | 17 | 2 | 2 | - | 17 | - | 9 | - | 8 | 6 |
| 8 07:00 | - | - | - | - | - | - | - | - | 9 | 15 | 8 | 8 | 18 | - | 12 | 11 | 10 | 25 | 36 | 26 | - | 13 | - | - | - | 12 | 15 | 15 | 11 | - | - | - | - | - | - |
| 9 06:03 | - | - | - | - | 8 | 10 | 10 | - | 16 | 20 | - | - | - | - | - | 22 | 26 | 50 | 33 | 8 | - | - | - | 13 | 28 | - | - | - | - | - | - | - | - | - | - |
| 10 09:00 | - | - | - | - | - | - | 13 | - | - | - | 22 | 17 | 16 | - | - | - | - | - | - | 15 | 12 | 8 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 12 10:14 | - | - | - | - | - | - | - | 12 | - | - | - | - | - | - | - | 12 | 21 | - | - | 12 | - | - | - | - | - | - | - | 12 | 9 | - | - | - | - | - | - |
| 13 07:18 | - | - | - | - | 8 | 15 | - | 9 | - | - | - | 9 | 17 | 11 | 9 | 15 | 11 | - | - | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 16 07:53 | - | - | 9 | 19 | - | - | 6 | 16 | 9 | 7 | - | - | 9 | 19 | 9 | - | 32 | 27 | 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 17 06:46 | - | - | - | - | - | 4 | 12 | - | - | - | - | - | - | 10 | 5 | - | - | 17 | 12 | - | - | 13 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 18 06:17 | - | - | - | - | - | - | - | 9 | - | 13 | - | - | - | 20 | - | 17 | 4 | 17 | 13 | 10 | - | 15 | 11 | - | - | - | - | - | - | - | - | - | - | - | - |
| 21 07:01 | - | - | - | 9 | 11 | - | 12 | 12 | - | - | - | 18 | 11 | - | - | 22 | - | 10 | 20 | 11 | - | - | - | - | - | - | - | - | 14 | 9 | - | - | - | - | - |
| 22 08:11 | - | - | 10 | - | - | 4 | - | 10 | - | - | - | - | 4 | 12 | 15 | - | - | 16 | 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 23 06:53 | - | - | - | - | - | 9 | 9 | 18 | 10 | 12 | 15 | - | 7 | 10 | - | 11 | 18 | 11 | 12 | 13 | 10 | - | - | - | - | - | - | 7 | 19 | - | - | - | - | - | - |
| 24 05:35 | - | - | - | 10 | - | 10 | - | - | 10 | 9 | 12 | - | - | - | - | 13 | 11 | - | 12 | 13 | - | - | - | - | - | - | 6 | 19 | - | - | - | - | - | - | - |
| Mar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 06:27 | - | - | - | 16 | 8 | - | - | 18 | 17 | 11 | 11 | 9 | - | 27 | 35 | 12 | 12 | 10 | - | - | - | - | - | - | - | - | 11 | - | - | - | - | - | - | - | - |
| 7 06:29 | - | - | - | 12 | 14 | - | - | - | - | - | 12 | - | 11 | 12 | 18 | 14 | 12 | 30 | 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 13 06:10 | - | - | - | - | - | 13 | 11 | - | - | - | 11 | 13 | - | 9 | 11 | 9 | 23 | - | 9 | 19 | 17 | 12 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 14 06:47 | - | - | - | 15 | - | 9 | 14 | - | 5 | 14 | 11 | 15 | 9 | 22 | 13 | 14 | 17 | 22 | 11 | 11 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 15 07:33 | - | - | - | - | - | 7 | 15 | - | - | 13 | - | - | 9 | 20 | 18 | 17 | - | 11 | 18 | 22 | - | 13 | 18 | 12 | - | - | - | - | - | - | - | - | - | - | - |
| 17 05:01 | - | 9 | - | - | 9 | - | 8 | - | - | 18 | 8 | 12 | - | - | - | - | 11 | - | 12 | 11 | 16 | - | - | - | 11 | - | - | - | - | - | - | - | - | - | - |
| 21 05:49 | - | - | - | 4 | 16 | 8 | - | - | - | - | - | 6 | 13 | 11 | 7 | - | - | - | 12 | 12 | 15 | - | - | - | 11 | 16 | - | - | - | - | - | - | - | - | - |
| 22 05:00 | - | - | - | - | - | - | - | 14 | 17 | 10 | - | - | 13 | 12 | 12 | 9 | - | 9 | 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 23 06:05 | - | - | - | 13 | 8 | 8 | 11 | 9 | 5 | - | 7 | - | - | 6 | 18 | 9 | 16 | 11 | 13 | 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 25 06:22 | - | - | - | 16 | 16 | - | 9 | - | - | 16 | 16 | - | - | 13 | 9 | - | - | 11 | 18 | - | - | - | 16 | 11 | - | - | - | 11 | - | - | - | - | - | - | - |
| 26 05:40 | - | - | - | - | 5 | 9 | 7 | - | - | 12 | 5 | - | 6 | - | - | 7 | 4 | 9 | - | 8 | 13 | 11 | x | x | x | x | x | x | x | x | x | x | x | x | x |
| 28 06:20 | - | - | - | - | 4 | 4 | - | - | - | - | - | - | - | - | - | 13 | 8 | 13 | 14 | - | 13 | 4 | - | - | 14 | 19 | 8 | - | 15 | 8 | - | - | - | - | - |
| 23 06:05 | - | - | - | 13 | 8 | 8 | 11 | 9 | 5 | - | 7 | - | - | 6 | 18 | 9 | 16 | 11 | 13 | 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 25 06:22 | - | - | - | 16 | 16 | - | 9 | - | - | 16 | 16 | - | - | 13 | 9 | - | - | 11 | 18 | - | - | - | 16 | 11 | - | - | - | 11 | - | - | - | - | - | - | - |
| 26 05:40 | - | - | - | - | 5 | 9 | 7 | - | - | 12 | 5 | - | 6 | - | - | 7 | 4 | 9 | - | 8 | 13 | 11 | x | x | x | x | x | x | x | x | x | x | x | x | x |
| 28 06:20 | - | - | - | - | 4 | 4 | - | - | - | - | - | - | - | - | - | 13 | 8 | 13 | 14 | - | 13 | 4 | - | - | 14 | 19 | 8 | - | 15 | 8 | - | - | - | - | - |
| Apr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 06:46 | - | - | 9 | 11 | - | - | 8 | - | - | - | 8 | 8 | - | 11 | - | 11 | 13 | 9 | - | 9 | 11 | - | 13 | 13 | - | - | - | - | 11 | 9 | - | - | - | - | - |
| 5 03:49 | - | - | - | - | - | 7 | 7 | - | 7 | - | - | - | - | 9 | 13 | 9 | - | 9 | 12 | 14 | 9 | 12 | - | 15 | - | - | - | - | - | - | - | - | - | - | - |
| 6 05:19 | - | - | - | 11 | - | 5 | - | - | - | 8 | - | - | - | - | - | - | 8 | - | - | - | 3 | 5 | 8 | 11 | - | 5 | 6 | - | - | - | - | 11 | - | - | - |
| 11 06:52 | - | - | - | - | - | 5 | - | 8 | 8 | - | - | - | 8 | - | 8 | 21 | 11 | 19 | 19 | - | - | 13 | - | 19 | 11 | - | - | 8 | 13 | - | - | - | - | - | - |
| 19 09:34 | - | 3 | - | - | - | - | - | - | - | - | 12 | 13 | 6 | - | - | - | 12 | 14 | 6 | - | - | - | - | 9 | - | - | - | 4 | 5 | 4 | - | - | - | - | - |
| 20 03:33 | - | - | - | - | 4 | - | - | - | 13 | - | 13 | 14 | 6 | - | - | 22 | 18 | 11 | 9 | - | 24 | - | 4 | 7 | - | - | - | - | - | - | - | - | - | - | - |
| 28 03:55 | 9 | - | - | - | 7 | - | 15 | - | 14 | - | 6 | 12 | 15 | 12 | - | - | 8 | 9 | 5 | 9 | - | - | - | 8 | - | 9 | - | - | - | - | - | - | - | - | - |
| 29 04:25 | 11 | 6 | - | - | 5 | - | - | - | - | 9 | - | 14 | - | 13 | 13 | 6 | - | - | 4 | 3 | - | - | 6 | - | - | - | - | - | - | 8 | 9 | - | - | - | - |
| May | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 08:10 | - | - | - | - | - | - | - | 12 | 6 | - | - | 23 | - | - | - | 8 | 27 | 16 | 6 | 14 | 21 | 28 | - | - | - | - | - | 17 | 10 | - | - | - | - | 18 | - |
| 10 06:05 | 11 | 4 | - | - | - | - | - | - | 9 | - | - | 11 | 11 | - | 7 | - | - | - | 28 | 50 | 45 | 53 | 35 | - | 13 | - | 8 | - | 19 | 16 | - | - | - | - | - |
| 11 04:15 | - | - | - | 9 | - | - | 8 | - | 7 | - | - | - | 17 | 6 | - | - | 13 | 14 | 17 | 19 | 25 | 14 | 19 | 10 | 10 | - | 6 | - | 6 | - | - | - | - | - | - |
| 12 03:45 | - | - | - | - | 4 | - | - | 4 | 13 | - | - | - | 13 | 13 | 9 | - | 27 | 13 | 19 | 19 | 25 | 12 | 12 | - | 11 | 17 | - | - | 7 | - | - | - | - | - | - |
| 17 05:08 | - | - | - | - | - | - | - | 9 | 11 | 13 | 3 | - | - | - | - | 14 | 12 | - | 11 | 13 | 11 | 3 | 2 | - | - | 12 | 11 | - | - | - | - | - | - | - | - |
| 18 04:55 | - | - | - | 15 | 4 | - | - | - | - | 6 | 14 | - | 9 | - | 14 | 14 | - | - | 13 | - | - | - | - | 9 | 11 | 4 | 17 | 13 | - | - | - | - | - | - | - |
| 21 05:21 | 9 | - | 13 | - | - | - | 4 | 4 | - | - | - | 11 | - | - | 13 | 14 | 8 | - | 11 | 13 | 13 | 28 | 9 | 13 | 20 | 11 | 11 | 11 | 9 | - | - | - | - | - | - |
| 22 05:35 | 11 | 6 | - | 9 | - | - | - | 13 | - | - | 13 | 9 | - | 13 | 13 | 11 | - | 6 | 4 | - | - | - | - | - | - | 13 | 5 | 14 | 5 | - | - | - | - | - | - |
| 23 06:42 | - | - | 13 | 11 | - | - | - | 16 | 9 | - | 22 | 17 | 16 | - | - | - | - | 9 | 6 | 11 | 7 | - | - | 9 | 9 | - | 11 | 15 | - | - | - | - | - | - | - |
| 24 04:46 | - | - | - | - | 11 | - | 11 | - | - | 6 | 11 | 5 | - | - | 6 | - | - | 8 | 11 | - | 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 29 05:01 | 11 | - | - | 11 | - | 16 | 16 | - | - | 12 | - | - | - | - | - | - | 16 | 17 | 12 | - | 12 | - | - | 14 | - | - | - | - | - | - | - | - | - | - | - |
| 30 05:40 | 11 | - | - | - | - | 11 | 13 | 11 | - | - | - | 19 | - | - | 16 | - | - | - | 16 | 11 | 9 | 16 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 31 03:26 | - | - | - | 15 | 12 | - | 8 | - | - | - | 7 | - | - | - | - | - | - | - | - | 13 | 15 | 23 | 10 | - | - | - | - | - | - | - | - | - | - | - | - |

| 175 | 180 | 185 | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 |
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| 5 | 13 | 10 | 9 | 5 | 17 | 13 | 7 | 12 | 16 | 14 | 11 | 12 | 7 | 4 | 19 | 17 | 11 | 20 | 26 | 29 | 34 | 44 | 29 | 28 | 19 | 17 | 13 | 14 | 13 | 11 | 9 | 11 | 6 | 14 | 9 | 6 |
| 10 | 3 | 8 | 6 | 9 | 13 | 14 | 17 | 10 | 9 | 14 | 23 | 21 | 15 | 18 | 21 | 32 | 25 | 22 | 13 | 19 | 34 | 33 | 23 | 19 | 19 | 11 | 11 | 7 | 8 | 12 | 12 | 11 | 10 | 6 | 9 | 3 |
| 9 | 6 | 11 | 9 | 11 | 13 | 14 | 21 | 15 | 12 | 6 | 16 | 21 | 23 | 20 | X | 16 | 30 | 30 | 23 | 22 | 20 | 27 | 24 | 23 | 19 | 24 | 24 | 22 | 18 | 17 | 16 | 8 | 10 | 9 | 5 | 9 |
| 6 | 10 | 3 | 3 | 17 | 11 | 15 | 17 | 19 | 23 | 14 | 19 | 20 | 12 | 19 | 36 | 30 | 34 | 19 | 27 | 26 | 22 | 21 | 21 | 15 | 16 | 16 | 17 | 14 | 13 | 8 | 12 | 3 | 14 | 14 | 3 | 12 |
| 19 | 18 | 17 | 8 | 9 | 8 | 7 | 9 | 10 | 18 | 9 | 11 | 8 | 8 | 10 | 14 | 19 | 21 | 23 | 24 | 22 | 25 | 28 | 25 | 23 | 17 | 15 | 13 | 12 | 11 | 12 | 14 | 15 | 14 | 13 | 10 | 11 |
| 7 | 7 | 12 | 14 | 4 | 8 | 8 | 14 | 16 | 14 | 17 | 16 | 21 | 27 | 26 | 15 | 31 | 23 | 16 | 16 | 17 | 18 | 19 | 16 | 22 | 11 | 12 | 9 | 10 | 19 | 18 | 14 | 8 | 14 | 6 | 9 | 9 |
| 10 | 10 | 10 | 9 | 12 | 14 | 7 | 13 | 5 | 14 | 14 | 13 | 18 | 12 | 12 | 15 | 23 | 25 | 17 | 16 | 4 | 9 | 14 | 10 | 7 | 9 | 15 | 15 | 18 | 9 | 6 | 6 | 7 | 8 | 12 | 10 | 12 |
| 4 | 10 | 9 | 13 | 17 | 10 | 15 | 12 | 9 | 15 | 18 | 9 | 13 | 13 | 10 | 15 | 20 | 24 | 23 | 10 | 15 | 9 | 9 | 14 | 19 | 15 | 16 | 11 | 9 | 9 | 13 | 12 | 7 | 12 | 15 | 8 | 10 |
| 8 | 9 | 7 | 6 | 13 | 5 | 14 | 8 | 11 | 15 | 15 | 24 | 21 | 12 | 19 | 41 | 47 | 59 | 57 | 30 | 17 | 2 | 17 | 13 | 12 | 15 | 14 | 14 | 4 | 10 | 8 | 11 | 11 | 12 | 10 | 13 | 10 |
| 5 | 13 | 10 | 9 | 11 | 15 | 22 | 23 | 19 | 23 | 26 | 10 | – | 14 | 23 | 27 | 30 | 27 | 33 | 35 | 34 | 19 | 31 | 26 | 14 | 17 | 19 | 19 | 7 | 16 | 15 | 18 | 15 | 6 | 15 | 16 | 10 |
| 8 | 9 | 8 | 6 | 9 | 10 | 11 | 13 | 16 | 18 | 20 | 25 | 23 | 19 | 28 | 33 | 26 | 23 | 28 | 31 | 25 | 20 | 18 | 13 | 11 | 7 | 6 | 8 | 8 | 8 | 12 | 8 | 16 | 10 | 8 | 11 | 8 |
| 12 | 11 | 9 | 12 | 15 | 17 | 18 | 18 | 19 | 21 | 9 | 16 | 17 | 18 | 14 | 14 | 12 | 19 | 24 | 27 | 26 | 24 | 22 | 21 | 19 | 11 | 15 | 13 | 13 | 8 | 13 | 11 | 10 | 13 | 7 | 8 | 4 |
| 7 | 9 | 10 | 11 | 10 | 17 | 19 | 20 | 21 | 20 | 21 | 23 | 26 | 30 | 37 | 41 | 45 | 51 | 60 | 54 | 46 | 40 | 20 | 20 | 14 | 16 | 13 | 13 | 10 | 9 | 8 | 8 | 10 | 11 | 12 | 8 | 7 |
| 11 | 8 | 10 | 10 | 8 | 8 | 11 | 14 | 10 | 17 | 17 | 20 | 13 | 25 | 25 | 15 | 30 | 37 | 48 | 50 | 58 | 45 | 25 | 20 | 27 | 22 | 16 | 13 | 15 | 8 | 11 | 13 | 12 | 5 | 5 | 7 | 8 |
| 13 | 10 | 11 | 11 | 9 | 7 | 8 | 5 | 17 | 16 | 20 | 22 | 21 | 11 | 10 | 12 | 26 | 27 | 30 | 40 | 49 | 49 | 30 | 22 | 10 | 14 | 16 | 20 | 28 | 18 | 9 | 12 | 7 | 13 | 11 | 15 | 13 |
| 12 | 11 | 1 | 4 | 12 | 22 | 21 | 18 | 17 | 23 | 22 | 24 | 22 | 21 | 25 | 29 | 28 | 39 | 59 | 45 | 28 | 24 | 20 | 11 | 15 | 17 | 17 | 12 | 4 | 11 | 7 | 11 | 9 | 7 | 14 | 11 | 9 |
| 10 | 5 | 12 | 15 | 10 | 5 | 10 | 12 | 5 | 9 | 10 | 15 | 22 | 12 | 7 | 20 | 21 | 22 | 23 | 23 | 19 | 19 | 10 | 12 | 13 | 10 | 7 | 19 | 9 | 9 | 12 | 8 | 10 | 15 | 10 | 5 | 9 |
| 13 | 10 | 13 | 11 | 18 | 19 | 19 | 20 | 15 | 17 | 19 | 26 | 24 | 26 | 30 | 36 | 38 | 41 | 24 | 38 | 41 | 36 | 32 | 30 | 26 | 25 | 22 | 23 | 17 | 18 | 10 | 12 | 16 | 15 | 17 | 12 | 13 |
| 15 | 16 | 11 | 9 | 11 | 13 | 15 | 16 | 11 | 12 | 19 | 21 | 25 | 28 | 37 | 36 | 30 | 27 | 23 | 19 | 30 | 38 | 41 | 39 | 31 | 27 | 24 | 22 | 18 | 12 | 13 | 16 | 16 | 11 | x | x | – |
| 12 | 11 | 9 | 11 | 12 | 15 | 18 | 20 | 12 | 18 | 24 | 18 | 20 | 17 | 16 | 26 | 30 | 31 | 28 | 21 | 22 | 34 | 28 | 30 | 30 | 23 | 20 | 19 | 16 | 20 | 16 | 17 | 17 | 7 | 13 | 6 | 7 |
| 9 | 6 | 5 | 11 | 10 | 6 | 8 | 17 | 21 | 24 | 26 | 20 | 22 | 23 | 24 | 17 | 24 | 30 | 28 | 28 | 34 | 24 | 19 | 18 | 15 | 18 | 24 | 22 | 11 | 7 | 12 | 10 | 9 | 5 | 15 | 13 | 15 |
| 7 | 4 | 10 | 11 | 17 | 10 | 13 | 11 | 14 | 8 | 13 | 10 | 16 | 13 | 8 | 19 | 18 | 14 | 21 | 18 | 16 | 16 | 13 | 17 | 14 | 10 | 15 | 15 | 8 | 16 | 8 | 11 | 8 | 9 | 8 | 10 | 12 |
| 6 | 8 | 7 | 10 | 13 | 22 | 21 | 31 | 12 | 15 | x | 23 | 38 | x | x | x | x | 55 | 41 | x | x | 33 | 22 | 22 | 16 | 17 | 19 | 20 | 14 | 9 | 8 | 10 | 11 | 15 | 10 | 4 | 7 |
| 11 | 8 | 4 | 5 | 4 | 4 | 4 | 16 | 20 | 20 | 24 | 21 | 14 | 15 | 25 | 28 | 39 | 32 | 18 | 35 | 31 | 29 | 26 | 21 | 20 | 12 | 12 | 8 | 11 | 19 | 23 | 21 | 17 | 12 | 12 | 10 | 12 |
| 5 | 10 | 9 | 8 | 10 | 15 | x | 12 | 4 | 17 | 24 | 19 | 17 | 17 | 15 | 15 | 24 | 23 | 25 | 27 | 25 | 23 | 26 | 19 | 21 | 16 | 19 | 5 | 16 | 18 | 13 | 16 | 18 | 9 | 11 | 6 | 8 |
| 10 | 3 | 11 | 9 | 7 | 9 | 5 | 9 | 4 | 12 | 13 | 10 | 21 | 17 | 18 | 13 | 6 | 11 | 19 | 18 | 19 | 22 | 19 | 17 | 15 | 17 | 4 | 13 | 12 | 6 | 3 | 11 | 9 | 8 | 8 | 8 | 2 |
| 3 | 8 | 9 | 11 | 13 | 11 | 13 | 13 | 14 | 19 | 20 | 22 | 17 | 16 | 27 | 23 | 21 | 17 | 14 | 16 | 19 | 23 | 24 | 21 | 17 | 15 | 16 | 15 | 9 | 6 | 8 | 9 | 6 | 3 | 5 | 11 | 3 |
| 10 | 8 | 13 | 4 | 9 | 6 | 8 | 11 | 15 | 16 | 15 | 14 | 24 | 13 | 8 | 12 | 20 | 36 | 38 | 29 | 25 | 19 | 25 | 33 | 28 | 24 | 17 | 20 | 22 | 19 | 15 | 12 | 10 | 14 | 7 | 7 | 9 |
| 5 | 7 | 7 | 6 | 9 | 12 | 12 | 6 | 9 | 18 | 20 | 16 | 15 | 8 | 7 | 23 | 25 | 32 | 37 | 29 | 18 | 20 | 27 | 26 | 13 | 7 | 9 | 8 | 11 | 12 | 8 | 9 | 11 | 10 | 11 | – | – |
| 2 | 12 | 10 | 19 | 19 | 20 | 16 | 14 | 20 | 25 | 23 | 21 | 22 | 18 | 17 | 19 | 26 | 30 | 25 | 21 | 14 | 14 | 9 | 15 | 10 | 3 | 6 | 9 | 6 | 10 | 10 | 10 | 10 | 8 | 6 | 8 | 10 |
| 10 | 9 | 8 | 6 | 8 | 10 | 2 | 13 | 11 | 12 | 20 | 10 | 13 | 8 | 18 | 10 | 17 | 25 | 29 | 20 | 21 | 21 | 29 | 32 | 20 | 16 | 13 | 11 | 11 | 8 | 9 | 9 | 6 | 4 | 9 | 7 | 12 |
| 9 | 10 | 11 | 5 | 9 | 12 | 16 | 14 | 10 | 14 | 15 | 7 | 14 | 12 | 11 | 14 | 15 | 17 | 22 | 7 | 22 | 15 | 12 | 23 | 25 | 16 | 16 | 10 | 13 | 12 | 8 | 9 | 17 | 15 | 15 | 11 | – |
| 3 | 6 | 10 | 12 | 11 | 12 | 7 | 14 | 10 | 10 | 23 | 18 | 14 | 17 | 21 | 21 | 16 | 19 | 20 | 24 | 19 | 9 | 12 | 12 | 16 | 30 | 31 | 20 | 18 | 15 | 15 | 8 | 15 | 11 | 10 | 5 | 4 |
| 9 | 13 | 10 | 11 | 9 | 10 | 5 | 13 | 11 | 11 | 13 | 19 | 21 | 18 | 19 | 26 | 32 | 34 | 25 | 21 | 22 | 23 | 26 | 13 | 16 | 13 | 13 | 10 | 10 | 15 | 4 | 10 | 5 | 14 | 7 | 10 | 10 |

| 175 | 180 | 185 | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 |
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| 8 | – | 8 | 5 | – | 8 | – | 5 | 3 | 8 | 9 | 11 | 10 | 12 | 10 | 19 | 24 | 37 | 16 | 10 | 8 | 18 | 3 | 3 | 3 | 15 | 3 | – | 9 | – | 8 | – | 8 | 6 | – | – | 2 |
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| 4 06:55 | 10 | 7 | - | - | 7 | - | - | - | - | - | 7 | - | - | 9 | 18 | - | 9 | - | 11 | 9 | 13 | 9 | 9 | - | 15 | - | - | 18 | 13 | - | 7 | - | - | - | - |
| 6 05:15 | 13 | - | - | - | - | 9 | - | 18 | - | - | - | - | 13 | 16 | 9 | - | - | 13 | 6 | 12 | 17 | 6 | - | - | 7 | 7 | 13 | 9 | - | 13 | 11 | 11 | - | - | - |
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| 8 03:51 | 10 | 7 | - | 9 | - | - | - | 13 | - | 11 | 18 | 7 | 11 | 7 | 11 | - | 20 | - | - | 9 | - | 11 | 13 | - | - | - | 13 | 7 | - | - | - | - | - | - | - |
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| 20 04:39 | - | 8 | - | - | - | 13 | 7 | - | 10 | 16 | 11 | - | - | - | 10 | 29 | 15 | - | - | 7 | 17 | - | 12 | 11 | - | - | - | 4 | 16 | 9 | - | - | - | - | - |
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| 22 03:50 | - | - | - | - | - | 10 | 9 | - | - | - | 13 | 10 | - | - | - | 9 | 11 | 13 | 15 | 21 | 23 | 18 | 12 | 7 | - | - | - | - | 7 | - | - | - | - | - | - |
| 24 06:00 | 13 | - | 7 | 11 | 14 | - | - | - | 18 | 19 | - | - | 12 | - | 14 | - | 12 | 17 | 19 | 7 | 26 | 39 | 14 | 13 | 12 | 18 | 12 | 11 | 9 | - | 10 | 13 | - | 10 | - |
| 25 07:14 | 2 | - | - | - | - | - | - | 6 | - | - | - | 6 | - | - | - | - | - | 11 | 10 | 12 | 9 | 9 | - | - | 5 | - | - | - | - | - | - | - | - | - | - |
| 28 04:20 | - | - | - | 5 | 7 | - | - | 11 | - | 9 | - | - | - | - | 6 | 6 | 8 | 9 | - | - | 12 | 11 | - | - | - | 10 | 18 | 12 | 10 | 9 | 9 | - | - | - | - |
| 29 03:57 | 6 | 6 | - | - | - | - | - | 11 | 9 | - | - | - | - | 11 | - | - | 17 | - | 24 | 9 | 15 | 13 | 18 | - | - | - | 9 | - | - | - | - | - | - | - | - |
| 31 05:15 | 13 | - | - | - | 10 | 4 | 4 | - | - | 15 | 7 | - | - | - | - | - | 22 | 12 | 27 | 24 | 9 | - | - | - | - | 7 | 19 | - | 6 | - | - | 10 | 13 | - | - |
| Aug | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 04:45 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8 |
| 7 05:07 | - | - | - | - | - | - | - | - | - | - | 7 | - | - | 18 | 11 | - | - | - | - | - | - | 7 | 10 | 19 | 8 | - | 10 | - | - | - | 22 | 20 | 13 | - | 17 |
| 8 04:16 | 7 | 11 | 11 | - | - | 17 | 15 | 24 | - | - | - | - | - | 11 | 11 | - | - | - | - | 27 | 22 | - | - | 20 | - | - | - | 13 | 8 | - | - | - | - | - | 10 |
| 10 08:45 | - | - | - | - | 12 | 11 | - | - | 11 | - | 9 | - | - | 17 | - | - | - | 9 | - | - | - | 9 | - | 15 | 9 | - | 14 | 17 | - | - | 8 | - | - | 11 | - |
| 12 03:59 | - | - | - | 6 | 15 | - | - | - | - | - | 23 | - | - | - | 5 | - | 13 | 9 | - | - | - | - | - | - | - | - | - | - | - | - | 19 | 17 | - | - | - |
| 15 04:46 | - | 13 | 9 | 7 | 11 | 15 | 18 | 7 | - | - | 12 | 6 | 13 | 19 | 15 | - | - | 34 | 11 | 8 | - | - | 20 | 17 | 18 | - | 14 | 14 | 12 | - | - | - | - | - | 13 |
| 16 05:23 | 10 | - | - | - | 15 | 8 | 5 | - | - | - | - | - | - | - | 15 | 14 | 10 | - | - | - | 16 | 12 | 14 | 10 | 4 | - | - | - | 6 | - | - | - | 8 | 10 | - |
| 18 07:28 | - | - | 10 | - | - | - | - | 15 | - | - | - | - | 19 | 15 | - | - | - | - | - | - | - | - | 10 | 10 | 11 | - | - | 6 | - | - | - | - | - | - | - |
| 23 05:15 | 10 | 11 | 18 | 13 | 11 | - | 13 | - | 9 | 20 | 9 | - | - | - | - | 29 | 36 | - | - | - | - | 14 | - | - | - | - | - | 8 | 11 | 9 | - | 8 | - | 16 | - |
| 24 05:27 | - | - | 8 | 18 | 17 | - | 8 | 18 | - | - | - | - | - | 18 | 19 | 23 | 28 | 25 | 13 | 8 | 5 | - | - | - | - | 12 | - | 14 | 9 | 11 | - | 19 | - | - | - |
| 29 05:58 | - | - | 17 | 11 | 17 | - | - | 9 | 15 | 20 | 6 | - | - | - | 9 | 11 | 15 | 17 | 9 | - | - | 15 | 20 | 14 | - | 12 | 16 | - | - | - | 9 | - | - | - | - |
| Sep | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 05:15 | - | - | 10 | - | - | - | - | - | - | - | 11 | 6 | - | 5 | - | 10 | 11 | - | 10 | - | - | 5 | 13 | - | 7 | 12 | 10 | 7 | - | - | - | - | - | - | - |
| 7 05:00 | - | 9 | - | - | 12 | 9 | - | - | 11 | 9 | 5 | 12 | - | - | 17 | 25 | 15 | 13 | 11 | - | - | - | - | 8 | 15 | - | 9 | 12 | - | 6 | 5 | - | - | - | - |
| 8 04:09 | - | - | 5 | 9 | 9 | - | 14 | 4 | - | - | - | 9 | - | - | 11 | 18 | 14 | - | - | 17 | 15 | 15 | 5 | - | - | - | - | - | 4 | - | - | - | - | - | - |
| 9 06:26 | 5 | - | - | - | 6 | 8 | 12 | 10 | 5 | 8 | 9 | - | - | 13 | 15 | 10 | 5 | 6 | - | 17 | 12 | 10 | 9 | - | 13 | 13 | 5 | - | - | - | - | - | - | - | 6 |
| 10 05:12 | - | - | - | - | - | - | 13 | - | - | - | - | 6 | - | - | 18 | 17 | - | - | 12 | 15 | - | - | 9 | - | - | - | 5 | - | - | 11 | - | - | - | - | - |
| 15 03:55 | - | - | - | - | - | 10 | 15 | 12 | 7 | 12 | 13 | 18 | - | 16 | - | 13 | 9 | - | - | - | - | 13 | 13 | - | - | - | 9 | - | 13 | - | 6 | - | - | - | 6 |
| 16 04:26 | - | - | - | - | - | - | - | - | 15 | 5 | 14 | 14 | 19 | 29 | 24 | 17 | 4 | 11 | 6 | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | - | - |
| 18 09:20 | - | - | - | - | - | - | - | - | 7 | - | - | - | - | 8 | 20 | 19 | 11 | 11 | - | 7 | 20 | - | 13 | 9 | 5 | - | - | - | - | - | - | - | - | - | - |
| 20 04:08 | - | - | 7 | 10 | - | - | - | - | 12 | - | - | 7 | - | 14 | 11 | - | - | 13 | 12 | - | 10 | 10 | 10 | 13 | 9 | - | - | - | - | - | - | - | 8 | - | - |
| 21 04:30 | 9 | - | - | - | 11 | - | - | - | - | 12 | 12 | - | - | - | - | 10 | - | - | - | 14 | - | 10 | - | - | - | 11 | 10 | - | - | - | - | - | - | - | - |
| 22 04:00 | - | - | - | - | 10 | 10 | - | 8 | - | - | - | - | 9 | - | 14 | - | - | - | 12 | 12 | 10 | - | - | - | - | 10 | 12 | 11 | - | 6 | - | - | - | - | - |
| 23 05:30 | 9 | - | - | - | - | 12 | 11 | - | - | - | - | 11 | 10 | 10 | - | - | - | - | - | - | - | 13 | - | - | - | 7 | 7 | - | - | - | - | 4 | - | - | - |
| 27 05:52 | 5 | - | 13 | - | 5 | 19 | - | 5 | - | - | - | - | 11 | 21 | - | - | 16 | - | 11 | 16 | - | X | - | - | - | 13 | - | - | 4 | - | - | 11 | - | 12 | - |
| 29 04:28 | - | - | 5 | 4 | 6 | - | - | 13 | - | - | - | - | 10 | - | 13 | - | - | - | - | - | - | 6 | - | - | - | - | - | - | - | - | - | - | - | 3 | - |
| 30 05:11 | - | - | - | - | 6 | - | - | - | 14 | - | 9 | - | - | 14 | - | - | 5 | 11 | 15 | 9 | - | - | 5 | - | 12 | - | - | - | 9 | 10 | - | 7 | - | - | - |
| Oct | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 04:37 | - | 7 | - | - | - | 9 | 12 | 7 | - | 12 | 19 | 12 | - | - | - | 8 | 5 | - | - | - | 19 | - | - | - | - | - | - | - | 18 | - | - | - | - | - | - |
| 7 06:10 | 11 | - | - | - | - | - | 10 | 13 | - | - | 10 | - | - | 6 | 7 | - | - | - | 4 | - | X | - | - | - | 14 | 8 | 5 | 10 | - | 5 | 9 | 11 | - | - | - |
| 13 05:07 | - | - | 11 | 10 | - | - | - | - | 8 | 6 | - | 14 | - | - | - | - | 10 | 14 | 8 | 14 | - | 9 | 8 | - | - | 8 | - | 15 | 10 | - | - | - | - | - | - |
| 22 06:21 | - | - | - | 11 | 10 | - | 18 | 15 | - | - | - | X | - | 14 | 12 | - | - | 15 | - | - | - | - | 14 | 12 | - | - | - | - | 9 | - | - | - | - | - | 15 |
| 23 06:40 | - | - | - | - | 18 | - | 18 | 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 18 | 8 |
| 24 06:05 | - | - | - | - | - | - | - | - | - | 11 | - | - | - | 12 | 12 | 12 | - | - | - | 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 27 07:09 | - | - | - | 9 | 13 | 7 | - | 13 | - | - | - | - | - | - | 8 | 11 | 9 | 7 | - | - | - | 7 | - | - | - | - | - | 7 | 7 | - | - | - | - | - | - |
| Nov | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 07:10 | - | - | - | - | 11 | - | - | 13 | 10 | 6 | - | 6 | 15 | - | 6 | 10 | 10 | - | 12 | 19 | 20 | - | 19 | 18 | 15 | - | 11 | 10 | - | - | - | - | - | 4 | - |
| 28 10:06 | - | - | - | - | - | - | - | 19 | 22 | 10 | 14 | 8 | - | - | 11 | 27 | 28 | 11 | 10 | 10 | 9 | - | 9 | - | - | - | - | - | 6 | 5 | 6 | - | 5 | - | - |
| Dec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 06:56 | 20 | 18 | x | 19 | 8 | 16 | 18 | 12 | 4 | 12 | 14 | - | 2 | - | 11 | - | 12 | 15 | 12 | 1 | - | - | - | - | - | - | 9 | 5 | - | - | - | - | - | - | 8 |
| 5 08:03 | - | - | - | - | 7 | - | - | - | 17 | - | - | - | - | - | - | - | - | - | - | 2 | 12 | 8 | 7 | - | - | - | - | - | - | X | 2 | - | - | - | - |
| 6 07:00 | - | - | - | - | - | - | - | - | 13 | - | - | - | - | - | 6 | 10 | 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 13 06:19 | 9 | - | 6 | - | - | 10 | - | - | 14 | 6 | - | - | 10 | 7 | - | 14 | 7 | - | - | 15 | 12 | 10 | 9 | - | 6 | 7 | - | 9 | - | - | - | - | - | - | - |
| 14 05:50 | - | - | - | - | - | 7 | 10 | 14 | - | 9 | 9 | - | - | 15 | 18 | 7 | 14 | 9 | - | - | 4 | - | 8 | 28 | 10 | 14 | 6 | - | - | 7 | - | - | - | - | - |
| 21 08:11 | 5 | - | - | 10 | - | 9 | - | - | 16 | - | 5 | - | 8 | - | 9 | 14 | 8 | 9 | - | - | 6 | 5 | 16 | - | 11 | - | 3 | - | - | - | - | - | - | - | - |
| 22 05:53 | - | - | 10 | - | - | 7 | - | 19 | 10 | 12 | 6 | - | - | - | 11 | 11 | 5 | 15 | 35 | 17 | 9 | - | - | - | 8 | - | 5 | - | 9 | - | - | - | 5 | - | - |
| 26 09:13 | - | - | - | 6 | 9 | - | - | - | - | 7 | 19 | - | - | 7 | 13 | 27 | 21 | - | 14 | 4 | 15 | - | 9 | - | - | - | - | 6 | - | - | - | - | 5 | - | - |
| 27 06:12 | - | - | - | 10 | - | - | - | 11 | - | - | - | 18 | 25 | 14 | 23 | 16 | 14 | - | - | 12 | - | - | - | 13 | - | 6 | - | - | 17 | 8 | 11 | 7 | - | 8 | - |
| 28 06:13 | - | - | - | 4 | - | - | - | - | 12 | 10 | 19 | 12 | 13 | 12 | - | - | - | 6 | - | - | - | 10 | 21 | 19 | 19 | 7 | 12 | 10 | - | 9 | - | - | - | - | - |
| 29 06:45 | - | - | - | - | - | - | - | - | 6 | 6 | - | 7 | 10 | 7 | 7 | 10 | - | 7 | - | 4 | 7 | - | - | 4 | - | - | - | 11 | 8 | - | - | - | - | - | - |
| 30 06:58 | - | - | - | 13 | 13 | - | - | 13 | 4 | 3 | - | - | 11 | - | 11 | 13 | - | 11 | 9 | - | - | - | - | - | 13 | - | - | 11 | - | - | - | - | - | - | - |

| 175 | 180 | 185 | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 |
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| - | - | - | - | 9 | 10 | 11 | - | 12 | 15 | - | - | 10 | 11 | 12 | 11 | - | 14 | 14 | - | - | - | - | 14 | - | - | - | - | - | - | - | 9 | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | 17 | 22 | 18 | 18 | - | 13 | - | 13 | - | 6 | 13 | - | 15 | - | - | - | - | 18 | 15 | - | 13 | 9 | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | 5 | 14 | 6 | - | 8 | - | 15 | 12 | 9 | - | 8 | - | - | 11 | - | - | 8 | - | - | 11 | - | 12 | - | - | - | - |
| - | - | - | - | - | - | - | - | 6 | 7 | - | 9 | - | - | 6 | 8 | 9 | 13 | 22 | 13 | - | - | - | - | - | - | 15 | - | - | - | 11 | 14 | - | - | 8 | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | 9 | 11 | 16 | 16 | 27 | 27 | - | 16 | - | - | 19 | - | - | - | - | - | - | - | 16 | - | - | 8 | 8 | - | - |
| - | - | - | - | - | - | - | - | - | 11 | - | 13 | - | - | - | 13 | 11 | - | - | - | 9 | - | 15 | 13 | 11 | - | - | - | 7 | - | - | - | - | 8 | - | - | - |
| - | - | - | - | - | - | 15 | - | 7 | - | - | - | - | 22 | 16 | 19 | 11 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 14 | 23 | 7 | 14 | 18 | 9 | 11 | 12 | 10 | - | - | 8 | - | 14 | - | - | - | - | 10 | 12 | - | - |
| - | - | - | - | - | 13 | 9 | 22 | 7 | 9 | - | 18 | 9 | - | 4 | 12 | 16 | 9 | 4 | - | - | - | - | - | - | 11 | 11 | - | - | - | - | - | - | 9 | 15 | 10 | - |
| - | - | - | - | - | - | - | - | - | - | 22 | 12 | - | - | - | - | 9 | 17 | - | 11 | - | - | - | 15 | - | - | - | 6 | 12 | 10 | - | - | - | 7 | - | 7 | - |
| - | - | - | - | - | - | - | - | - | - | 4 | 7 | 4 | - | - | - | - | 13 | 9 | - | 16 | - | - | - | 7 | 9 | - | - | - | - | 14 | 10 | - | - | 11 | 14 | - |
| - | - | - | - | - | - | - | - | 13 | - | - | 9 | - | - | - | - | - | - | 7 | - | - | - | - | - | - | 8 | 13 | - | 11 | - | - | 16 | - | - | - | 13 | - |
| - | - | - | 11 | 16 | 20 | - | - | - | - | - | - | - | 9 | - | - | 22 | - | - | - | - | - | 13 | - | - | 16 | 4 | 18 | 9 | - | - | - | - | - | - | - | - |
| - | - | - | - | - | 11 | 16 | 13 | - | - | - | - | - | - | - | 14 | 13 | - | - | 14 | - | - | - | 14 | 16 | - | - | - | 17 | 11 | 17 | - | 13 | - | 9 | 11 | - |
| x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | - |
| - | - | - | - | 9 | 11 | - | - | - | - | 8 | 23 | 13 | - | - | - | - | - | 13 | 5 | - | - | - | 12 | 14 | 6 | 9 | - | - | 8 | - | 14 | - | - | - | - | 5 |
| - | - | - | - | 10 | - | 8 | - | - | - | 16 | - | - | - | 20 | 22 | 11 | 4 | - | 61 | 10 | 26 | 17 | 11 | 15 | 21 | 6 | 21 | 11 | - | - | 9 | 19 | 9 | - | - | 6 |
| - | - | - | - | - | - | 10 | - | - | - | 10 | 9 | 7 | - | 15 | 23 | 17 | 11 | - | 31 | 20 | 16 | 11 | 11 | 10 | 9 | - | 11 | 11 | - | - | 10 | 9 | - | - | - | 5 |
| - | - | - | - | - | - | 9 | - | - | - | 11 | 10 | 9 | - | 14 | 21 | 15 | - | - | 15 | 15 | 12 | 11 | 11 | - | - | - | 10 | 10 | - | - | 9 | 10 | 9 | - | - | - |
| - | - | - | - | - | 13 | 13 | - | - | - | - | - | - | - | - | 8 | 11 | 12 | 8 | - | - | - | 9 | - | - | - | 13 | 11 | - | - | 18 | 19 | 16 | 12 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 6 | 10 | - | - | - | 6 | 11 | - | 9 | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | 11 | - | - | - | - | - | - | - | - | 11 | - | - | - | - | - | 18 | 12 | - | 9 | 9 | 10 | - | 9 | - | - | - | - | - |
| - | - | - | 9 | - | 14 | - | - | - | - | - | 9 | - | 11 | 15 | 11 | - | - | 15 | 11 | 11 | - | 9 | - | 11 | - | - | 9 | 14 | 12 | - | 2 | - | - | 5 | - | - |
| - | - | 21 | - | - | - | 10 | - | - | 15 | - | - | - | - | - | 18 | 21 | 10 | 19 | - | 21 | 22 | 12 | 8 | 12 | 19 | 11 | 7 | 18 | 10 | 14 | - | 8 | 6 | 11 | 5 | - |
| - | - | - | - | - | - | - | - | 11 | - | - | - | - | - | - | - | 15 | 7 | 14 | 24 | 18 | 32 | 14 | - | 12 | - | 6 | - | 6 | - | - | - | - | - | - | - | - |
| 15 | 12 | 11 | 10 | - | - | - | 11 | - | - | - | 19 | - | - | 20 | 26 | 36 | 16 | - | - | 15 | 27 | 14 | 12 | 10 | 10 | 5 | 12 | 7 | - | - | - | 6 | - | - | - | - |
| 11 | 16 | 9 | 12 | - | 13 | - | - | 11 | - | - | 9 | 11 | - | 18 | 16 | - | - | - | 16 | 17 | 19 | 27 | 19 | 17 | 13 | - | - | - | 19 | 19 | 16 | - | - | 11 | - | - |
| - | 8 | 10 | 13 | 13 | - | - | - | - | - | - | 9 | 16 | 13 | - | - | - | 8 | 13 | 16 | 33 | 27 | 18 | 13 | 10 | - | - | - | - | - | - | - | - | - | - | - | - |
| - | 14 | 9 | 13 | 15 | 19 | - | - | 7 | 7 | 13 | - | - | 7 | - | - | 17 | 20 | - | 9 | 17 | 33 | 15 | - | - | 20 | 15 | 18 | 16 | - | 13 | 6 | - | - | 9 | - | 6 |
| 15 | - | - | - | - | - | - | 14 | 8 | - | - | - | - | 19 | 14 | - | 61 | 25 | 14 | 11 | - | 9 | 13 | 20 | 17 | 11 | 9 | - | - | - | - | - | - | - | - | 12 | 9 |
| - | 10 | 13 | 9 | - | - | 12 | 19 | 23 | 6 | - | - | - | - | 17 | - | - | - | 9 | 10 | 13 | 15 | - | - | - | - | 10 | 15 | 16 | 5 | 18 | 22 | - | - | - | 11 | - |
| - | - | - | - | X | X | - | - | 14 | 15 | - | - | - | - | - | - | 16 | - | - | - | - | - | - | - | - | - | 16 | 10 | - | - | 6 | - | X | - | - | - | - |
| - | - | - | - | 9 | 15 | - | - | - | 14 | - | 17 | 8 | - | 8 | - | 31 | 15 | 8 | - | - | - | 21 | 19 | - | - | - | - | - | - | 16 | 19 | - | 8 | - | - | - |
| - | - | 9 | 12 | 6 | - | - | - | - | 21 | 14 | - | - | - | 8 | 12 | 22 | 32 | 19 | - | - | - | - | 5 | 12 | 11 | 9 | - | - | 17 | - | - | - | 9 | - | 14 | 10 |
| - | - | - | - | - | 12 | 15 | 13 | - | 13 | 21 | - | - | 12 | 11 | - | - | - | 14 | - | - | - | 14 | 55 | 40 | 15 | 12 | - | - | - | - | 12 | 19 | 8 | - | - | - |
| - | - | 9 | - | - | - | - | 11 | - | - | 11 | 12 | - | - | 11 | 7 | 6 | - | - | 10 | - | - | 5 | - | - | - | - | 10 | - | - | - | - | 11 | 12 | - | 9 | - |
| - | - | - | - | 12 | 6 | - | - | 11 | - | - | - | X | - | - | - | 17 | - | - | - | 10 | - | 12 | 11 | 10 | 9 | 9 | - | 9 | - | 6 | 12 | 5 | - | - | - | - |
| - | - | - | 6 | - | - | - | 5 | - | 11 | 10 | 9 | - | - | - | 9 | 14 | 17 | 10 | - | - | 19 | 13 | 9 | 9 | - | X | 4 | - | - | - | 7 | - | 7 | - | 9 | - |
| 5 | - | - | - | - | 9 | 13 | 13 | - | - | - | 17 | 15 | - | - | - | 15 | 5 | 11 | - | - | - | 6 | 10 | 12 | 11 | - | - | 9 | - | - | 13 | 11 | - | - | - | - |
| 8 | - | 6 | 10 | 11 | 8 | 9 | - | 10 | - | - | - | 11 | 10 | 16 | 9 | 5 | - | 20 | 11 | - | - | 11 | 7 | - | - | - | 11 | 5 | - | - | - | - | 8 | - | - | - |
| - | - | - | - | - | - | 12 | 5 | 7 | 13 | - | 12 | - | - | - | - | 7 | 13 | 17 | 7 | 9 | 16 | 22 | 9 | 9 | 16 | 15 | - | - | - | - | - | 9 | - | - | - | - |
| - | - | - | - | - | - | - | - | - | 9 | 12 | 10 | - | - | - | 7 | 12 | - | 5 | 11 | - | 12 | 10 | - | - | - | - | 12 | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | 11 | - | - | - | - | 13 | 9 | 8 | 13 | - | - | 24 | 29 | 27 | 16 | - | - | - | 8 | - | - | - | - | - | - | - | - | - | x | x | x | x |
| - | - | - | - | - | 5 | - | 7 | 12 | - | - | - | - | - | 8 | 10 | 26 | 35 | 42 | 15 | 11 | - | 9 | 12 | - | 10 | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | 8 | - | 5 | 10 | - | - | 9 | 10 | 14 | 11 | 17 | 15 | 6 | 8 | - | - | - | 9 | 18 | 6 | - | - | - | 9 | 10 | 10 | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | 14 | - | 15 | 13 | 12 | 6 | 17 | 7 | - | - | - | 11 | 15 | - | - | - | 9 | 6 | 12 | - | - | - | - | - | 7 |
| - | - | - | - | - | - | - | - | - | - | 6 | - | - | - | 15 | 8 | 12 | - | - | - | - | 16 | 4 | 15 | - | - | 4 | 6 | 5 | 10 | - | 5 | - | 4 | 6 | 5 | - |
| - | 5 | 11 | 13 | 8 | 13 | 9 | - | 11 | - | - | 8 | - | 11 | - | - | 11 | - | - | 11 | - | - | - | - | 21 | 29 | - | - | 8 | 8 | - | 14 | 8 | - | - | - | - |
| - | - | - | - | - | - | - | - | - | 16 | - | - | - | - | - | - | 9 | - | 11 | 10 | 17 | - | - | 8 | - | - | - | - | - | 10 | - | - | - | - | 4 | - | - |
| - | - | - | - | - | - | 7 | 10 | 10 | 11 | 6 | - | - | 13 | 9 | - | - | 17 | 6 | 17 | 15 | 13 | 9 | - | - | 10 | - | - | - | - | - | - | - | - | - | - | 5 |
| - | - | - | - | 9 | - | - | - | 8 | 15 | 15 | 16 | - | - | 13 | - | - | 10 | 11 | 14 | 13 | 18 | - | - | - | 8 | - | - | - | 8 | - | 11 | - | - | - | - | - |
| - | - | - | - | - | - | 7 | 8 | 12 | 14 | - | 14 | - | - | 7 | - | - | - | 11 | 17 | - | - | - | 19 | 8 | 8 | 4 | - | 7 | 15 | 10 | 9 | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | 11 | 11 | 11 | 10 | 17 | - | - | - | - | 11 | - | - | - | - | - | - | - | - | - | 11 | - | - | - | - | - |
| 13 | 12 | - | - | 16 | - | - | - | 9 | - | - | - | - | 19 | - | - | - | - | - | - | 10 | 15 | - | - | - | 9 | 10 | 10 | - | - | - | 12 | - | - | - | - | - |
| - | - | - | - | 10 | - | - | - | - | - | - | - | - | - | 6 | 11 | 13 | - | - | - | - | - | - | - | - | - | - | 10 | 12 | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | 11 | 13 | - | - | - | - | - | - | - | 11 | 16 | - | - | - | 15 | 10 | 10 | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | 13 | - | - | - | - | 7 | 15 | 10 | - | - | 13 | 14 | 16 | 9 | 7 | 9 | 11 | 7 | - | - | - | - | - | - | - | - | 9 | - | - | - | - | 9 |
| - | - | - | - | 12 | 14 | - | - | - | 15 | - | - | 12 | 11 | 13 | 13 | 14 | 13 | 6 | - | 12 | 8 | - | - | - | 13 | - | 9 | 11 | 13 | 6 | - | - | - | - | - | - |
| - | - | - | - | - | - | 8 | - | 9 | - | - | - | 11 | 10 | - | - | - | - | 15 | 14 | 12 | 19 | - | 14 | - | - | - | 13 | 19 | 19 | - | - | - | - | - | 6 | - |
| - | - | - | - | - | - | - | - | - | 7 | - | - | - | - | 17 | 13 | 12 | - | - | 22 | 32 | 17 | - | 21 | 18 | 15 | 12 | - | - | 9 | - | - | - | - | - | - | - |
| - | - | - | - | - | - | 6 | - | - | 7 | 10 | 12 | 12 | - | - | - | 16 | - | - | - | - | - | - | - | - | 14 | 9 | 6 | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | 35 | - | - | - | - | - | - | - | 16 | - | - | - | - | - | - | - | 18 | - | - | - | - | - | - | - | - | - |
| - | - | 11 | - | - | - | 8 | 12 | - | - | - | 10 | 9 | 31 | 17 | 15 | 19 | 7 | 14 | 14 | 13 | 11 | 6 | 6 | 8 | - | - | - | - | - | - | 5 | - | - | - | - | - |
| - | - | - | - | 11 | - | - | 11 | - | - | - | 10 | 6 | 12 | 21 | 14 | 22 | 11 | - | - | - | 10 | 14 | 12 | 10 | 5 | - | - | 9 | - | - | - | - | - | - | - | - |
| 2 | - | - | - | 8 | 15 | 5 | 6 | 12 | - | 11 | 14 | 9 | 10 | - | - | 6 | - | - | - | 10 | - | - | 8 | 8 | 15 | 4 | 11 | 8 | - | 6 | 8 | 9 | 10 | - | - | 3 |
| 7 | - | - | - | - | - | 9 | - | - | 9 | 14 | 9 | 14 | 15 | 10 | 12 | 6 | - | 16 | 14 | 11 | 17 | 19 | 24 | 17 | 12 | 12 | 10 | - | - | - | - | - | - | - | 8 | - |
| - | - | - | - | - | 8 | 6 | - | - | 9 | 14 | 10 | - | 16 | 5 | 9 | 11 | 35 | 20 | 12 | 7 | 10 | 9 | 15 | 15 | - | - | 7 | - | - | - | - | 3 | - | - | - | - |
| - | 5 | - | - | - | - | - | - | - | 7 | 9 | 14 | 13 | - | 10 | 14 | 11 | 26 | 36 | 15 | - | 16 | 10 | 22 | 14 | 14 | 6 | 4 | - | - | - | - | - | - | - | - | - |
| - | - | 9 | - | - | - | - | - | - | - | - | 14 | - | 8 | 8 | - | - | 10 | 9 | 12 | 19 | 18 | 16 | 16 | 7 | 21 | - | - | - | - | 12 | - | - | - | 5 | 4 | - |
| - | - | - | - | - | - | 11 | - | 7 | 8 | 5 | - | - | - | - | - | - | 12 | 11 | - | - | - | 12 | 5 | 8 | 18 | 10 | 8 | - | - | 4 | - | - | 4 | - | - | 4 |
| 4 | - | - | 7 | - | 6 | - | - | 4 | - | 11 | 7 | - | - | 17 | 11 | 15 | 15 | 11 | 11 | 8 | 4 | 15 | 8 | 17 | - | 9 | - | - | - | - | - | - | - | - | - | - |

# Lomnicky Stit

**2005**

Photoelectrically measured intensities in units of $10^{-6}$ of the photospheric

Signs 'X' indicate that the measurements were not performed; signs '–' indicate

**530.28 nm**

| DATE | (UT) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jan. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 11:04 | 0 | 0 | 2 | 0 | 0 | 4 | 10 | 1 | 0 | 3 | 7 | 17 | 17 | 26 | 55 | 33 | 38 | 25 | 18 | 32 | 25 | 34 | 51 | 38 | 12 | 5 | 7 | 2 | 1 | 5 | 6 | 8 | 3 | 8 | 10 |
| 12 | 10:15 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 1 | 5 | 8 | 4 | 2 | 15 | 25 | 32 | 35 | 12 | 7 | 8 | 37 | 85 | 57 | 26 | 17 | 10 | 8 | 8 | 3 | 4 | 11 | 13 | 12 | 6 | 11 | 0 |
| 16 | 09:37 | 0 | 0 | 0 | 3 | 4 | 10 | 6 | 5 | 3 | 1 | 14 | 11 | 5 | 3 | 1 | 17 | 23 | 22 | 45 | 18 | 33 | 50 | 61 | 55 | 33 | 34 | 22 | 15 | 15 | 13 | 15 | 17 | 22 | 11 | 10 |
| 17 | 08:43 | 5 | 7 | 11 | 13 | 9 | 10 | 16 | 7 | 13 | 5 | 7 | 16 | 13 | 12 | 21 | 30 | 28 | 38 | 50 | 26 | 34 | 37 | 49 | 44 | 29 | 20 | 16 | 20 | 19 | 12 | 15 | 14 | 16 | 16 | 8 |
| 18 | 07:56 | 7 | 16 | 11 | 15 | 15 | 11 | 12 | 12 | 9 | 7 | 15 | 21 | 12 | 15 | 14 | 18 | 38 | 39 | 33 | 41 | 34 | 38 | 32 | 36 | 16 | 21 | 19 | 11 | 13 | 9 | 9 | 12 | 18 | 18 | 11 |
| 29 | 08:40 | 2 | 8 | 12 | 4 | 4 | 0 | 14 | 0 | 7 | 8 | 5 | 12 | 13 | 23 | 14 | 10 | 24 | 20 | 20 | 19 | 29 | 32 | 20 | 11 | 18 | 18 | 14 | 12 | 14 | 10 | 9 | 13 | 9 | 5 | 1 |
| 30 | 08:33 | 8 | 1 | 9 | 7 | 2 | 0 | 4 | 12 | 6 | 0 | 8 | 14 | 6 | 6 | 2 | 9 | 9 | 13 | 19 | 19 | 20 | 15 | 19 | 9 | 9 | 14 | 12 | 2 | 9 | 8 | 3 | 1 | 1 | 9 | 2 |
| Feb. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 08:52 | 0 | 5 | 0 | 0 | 6 | 0 | 0 | 0 | 2 | 7 | 3 | 4 | 3 | 5 | 12 | 14 | 8 | 7 | 8 | 25 | 10 | 25 | 13 | 6 | 3 | 4 | 4 | 7 | 3 | 10 | 9 | 21 | 15 | 1 | 9 |
| 6 | 08:40 | 0 | 0 | 3 | 2 | 4 | 0 | 0 | 7 | 10 | 13 | 17 | 18 | 14 | 36 | 104 | 90 | 50 | 36 | 16 | 31 | 29 | 40 | 35 | 21 | 14 | 7 | 11 | 8 | 10 | 13 | 9 | 5 | 11 | 9 | 11 |
| 7 | 10:34 | 7 | 4 | 3 | 0 | 1 | 0 | 8 | 5 | 10 | 6 | 13 | 21 | 31 | 43 | 61 | 48 | 28 | 9 | 25 | 52 | 47 | 48 | 27 | 20 | 11 | 7 | 5 | 12 | 7 | 18 | 11 | 14 | 14 | 5 | 20 |
| 8 | 08:12 | 3 | 0 | 0 | 4 | 11 | 9 | 12 | 14 | 3 | 10 | 7 | 26 | 27 | 46 | 24 | 28 | 16 | 12 | 24 | 61 | 80 | 91 | 57 | 34 | 33 | 11 | 20 | 19 | 13 | 23 | 22 | 22 | 12 | 22 | 13 |
| 9 | 07:45 | 15 | 8 | 8 | 14 | 14 | 11 | 10 | 14 | 18 | 15 | 24 | 30 | 31 | 28 | 24 | 11 | 16 | 13 | 24 | 50 | 51 | 44 | 25 | 20 | 6 | 2 | 6 | 0 | 0 | 1 | 0 | 1 | 5 | 5 | 8 |
| 10 | 08:04 | 12 | 7 | 16 | 12 | 15 | 24 | 28 | 22 | 17 | 31 | 27 | 24 | 29 | 31 | 32 | 20 | 20 | 25 | 33 | 45 | 40 | 28 | 34 | 24 | 17 | 20 | 13 | 15 | 14 | 12 | 13 | 14 | 22 | 8 | 18 |
| 14 | 09:21 | 5 | 5 | 6 | 7 | 12 | 10 | 8 | 11 | 14 | 16 | 16 | 15 | 21 | 26 | 31 | 28 | 31 | 35 | 25 | 31 | 18 | 17 | 49 | 55 | 29 | 21 | 12 | 10 | 7 | 2 | 3 | 13 | 2 | 14 | 5 |
| 26 | 08:49 | 11 | 5 | 8 | 7 | 5 | 4 | 9 | 8 | 4 | 9 | 5 | 8 | 0 | 7 | 9 | 7 | 6 | 8 | 15 | 24 | 15 | 17 | 14 | 1 | 0 | 5 | 1 | 0 | 2 | 0 | 5 | 0 | 0 | 0 | 0 |
| Mar. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 08:17 | 7 | 6 | 2 | 5 | 4 | 8 | 1 | 0 | 3 | 7 | 14 | 12 | 17 | 14 | 31 | 35 | 32 | 53 | 37 | 37 | 46 | 32 | 40 | 33 | 16 | 7 | 5 | 4 | 0 | 1 | 0 | 0 | 7 | 4 | 0 |
| 3 | 08:23 | 18 | 7 | 11 | 9 | 5 | 5 | 14 | 7 | 11 | 19 | 34 | 35 | 31 | 48 | 41 | 67 | 70 | 49 | 28 | 43 | 45 | 50 | 58 | 56 | 32 | 5 | 5 | 13 | 7 | 7 | 11 | 9 | 8 | 10 | 0 |
| 14 | 11:26 | 1 | 0 | 0 | 0 | 5 | 7 | 3 | 0 | 6 | 1 | 0 | 0 | 0 | 6 | 11 | 14 | 3 | 4 | 13 | 7 | 11 | 16 | 20 | 7 | 12 | 11 | 14 | 12 | 5 | 0 | 13 | 15 | 19 | 3 | 0 |
| 21 | 15:36 | 10 | 2 | 13 | 11 | 9 | 12 | 15 | 11 | 12 | 5 | 8 | 16 | 15 | 6 | 14 | 26 | 14 | 19 | 30 | 24 | 10 | 17 | 17 | 29 | 15 | 21 | 10 | 8 | 0 | 13 | 10 | 1 | 9 | 4 | 3 |
| 22 | 09:42 | 0 | 0 | 4 | 6 | 4 | 4 | 7 | 4 | 3 | 13 | 6 | 9 | 7 | 15 | 19 | 23 | 13 | 22 | 22 | 16 | 27 | 7 | 24 | 18 | 7 | 12 | 8 | 8 | 4 | 5 | 0 | 12 | 15 | 4 | 10 |
| 27 | 06:41 | 2 | 11 | 7 | 2 | 4 | 3 | 4 | 8 | 0 | 3 | 6 | 5 | 10 | 10 | 10 | 6 | 3 | 12 | 14 | 12 | 21 | 18 | 16 | 10 | 7 | 7 | 10 | 8 | 13 | 7 | 7 | 7 | 9 | 9 | 6 |
| 29 | 06:00 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 17 | 24 | 14 | 19 | 20 | 37 | 42 | 20 | 28 | 37 | 36 | 12 | 18 | 6 | 4 | 7 | 0 | 1 | 3 | 3 | 4 | 0 | 3 | 0 |
| 30 | 06:27 | 7 | 3 | 11 | 4 | 4 | 9 | 14 | 10 | 19 | 28 | 32 | 33 | 41 | 31 | 41 | 49 | 50 | 49 | 41 | 64 | 83 | 53 | 65 | 29 | 31 | 18 | 20 | 18 | 18 | 17 | 18 | 25 | 14 | 13 | 8 |
| 31 | 08:11 | 4 | 0 | 0 | 2 | 7 | 0 | 15 | 15 | 4 | 18 | 15 | 16 | 15 | 11 | 30 | 25 | 38 | 25 | 27 | 24 | 32 | 44 | 45 | 32 | 16 | 9 | 10 | 12 | 8 | 9 | 3 | 5 | 1 | 0 | 4 |
| Apr. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 06:38 | 5 | 8 | 11 | 4 | 7 | 7 | 3 | 3 | 21 | 29 | 23 | 22 | 25 | 33 | 35 | 28 | 31 | 33 | 28 | 40 | 48 | 56 | 45 | 27 | 11 | 18 | 13 | 7 | 4 | 0 | 0 | 8 | 3 | 0 | 0 |
| 2 | 06:44 | 2 | 3 | 2 | 1 | 0 | 3 | 8 | 3 | 9 | 18 | 11 | 10 | 15 | 14 | 22 | 19 | 21 | 19 | 30 | 54 | 74 | 54 | 40 | 32 | 20 | 15 | 2 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 |
| 3 | 12:00 | 0 | 7 | 4 | 2 | 0 | 9 | 4 | 12 | 4 | 7 | 7 | 3 | 14 | 17 | 21 | 27 | 54 | 29 | 61 | 53 | 85 | 96 | 60 | 47 | 31 | 20 | 17 | 29 | 13 | 18 | 26 | 31 | 17 | 15 | 15 |
| 4 | 07:02 | 0 | 0 | 1 | 1 | 1 | 4 | 4 | 4 | 7 | 9 | 10 | 8 | 22 | 21 | 23 | 32 | 33 | 32 | 31 | 52 | 64 | 93 | 49 | 41 | 23 | 23 | 9 | 6 | 4 | 8 | 0 | 0 | 2 | 0 | 4 |
| 5 | 06:57 | 15 | 13 | 19 | 15 | 9 | 17 | 20 | 11 | 22 | 14 | 29 | 31 | 26 | 34 | 57 | 46 | 52 | 42 | 27 | 53 | 100 | 97 | 64 | 47 | 37 | 27 | 28 | 20 | 21 | 28 | 22 | 13 | 17 | 23 | 14 |
| 27 | 09:21 | 5 | 2 | 0 | 4 | 7 | 9 | 8 | 9 | 5 | 21 | 21 | 23 | 17 | 24 | 23 | 34 | 28 | 27 | 29 | 36 | 25 | 36 | 38 | 17 | 19 | 26 | 15 | 17 | 16 | 8 | 13 | 12 | 17 | 11 | 13 |
| 29 | 11:18 | 4 | 8 | 3 | 3 | 0 | 0 | 0 | 2 | 12 | 14 | 6 | 0 | 10 | 3 | 1 | 0 | 5 | 0 | 0 | 10 | 8 | 5 | 12 | 1 | 5 | 10 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 |
| 30 | 11:12 | 7 | 0 | 6 | 0 | 5 | 3 | 5 | 5 | 6 | 11 | 3 | 5 | 3 | 15 | 12 | 6 | 0 | 3 | 5 | 21 | 25 | 25 | 20 | 19 | 22 | 15 | 11 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 08:00 | 0 | 1 | 6 | 9 | 3 | 2 | 13 | 0 | 0 | 0 | 1 | 8 | 6 | 19 | 23 | 26 | 34 | 31 | 18 | 32 | 23 | 26 | 28 | 20 | 13 | 19 | 4 | 7 | 4 | 16 | 18 | 16 | 13 | 13 | 3 |
| 9 | 05:13 | 1 | 7 | 5 | 6 | 7 | 13 | 12 | 14 | 9 | 17 | 16 | 21 | 13 | 15 | 27 | 42 | 44 | 34 | 24 | 37 | 27 | 25 | 25 | 20 | 23 | 12 | 16 | 9 | 7 | 14 | 8 | 3 | 12 | 0 | 5 |
| 10 | 05:07 | 5 | 4 | 3 | 4 | 10 | 0 | 4 | 4 | 16 | 0 | 0 | 17 | 9 | 17 | 17 | 17 | 19 | 18 | 12 | 13 | 18 | 22 | 20 | 9 | 12 | 8 | 9 | 3 | 10 | 5 | 4 | 2 | 0 | 0 | 0 |
| 13 | 11:20 | 4 | 4 | 0 | 0 | 3 | 11 | 9 | 5 | 11 | 11 | 13 | 6 | 12 | 5 | 9 | 22 | 11 | 9 | 1 | 7 | 19 | 20 | 16 | 8 | 6 | 2 | 1 | 7 | 9 | 5 | 8 | 1 | 3 | 2 | 0 |
| 14 | 07:10 | 0 | 3 | 0 | 1 | 9 | 9 | 3 | 4 | 0 | 10 | 8 | 1 | 0 | 13 | 2 | 11 | 6 | 3 | 3 | 11 | 12 | 3 | 8 | 7 | 5 | 5 | 3 | 4 | 2 | 15 | 7 | 3 | 0 | 6 | 0 |
| 21 | 09:02 | 2 | 5 | 4 | 11 | 3 | 0 | 0 | 2 | 1 | 2 | 10 | 8 | 14 | 9 | 20 | 29 | 37 | 29 | 47 | 64 | 80 | 67 | 31 | 17 | 15 | 5 | 11 | 13 | 5 | 14 | 17 | 0 | 7 | 4 | 2 |
| 22 | 07:00 | 8 | 9 | 9 | 10 | 10 | 9 | 0 | 18 | 10 | 23 | 18 | 10 | 18 | 20 | 19 | 59 | 38 | 43 | 60 | 55 | 66 | 57 | 16 | 28 | 15 | 7 | 11 | 13 | 5 | 14 | 12 | 13 | 12 | 12 | 13 |
| 23 | 08:00 | 3 | 3 | 1 | 2 | 10 | 0 | 3 | 4 | 2 | 9 | 14 | 10 | 23 | 15 | 29 | 29 | 39 | 23 | 30 | 42 | 48 | 32 | 33 | 14 | 19 | 15 | 17 | 6 | 3 | 12 | 17 | 19 | 7 | 0 | 0 |
| 26 | 09:08 | 3 | 2 | 3 | 0 | 0 | 3 | 0 | 0 | 6 | 0 | 14 | 8 | 17 | 21 | 11 | 11 | 26 | 21 | 17 | 35 | 39 | 42 | 21 | 20 | 23 | 17 | 6 | 12 | 14 | 17 | 12 | 0 | 6 | 17 | 3 |
| 30 | 06:48 | 0 | 0 | 0 | 4 | 0 | 0 | 6 | 0 | 0 | 0 | 4 | 16 | 8 | 10 | 38 | 19 | 25 | 25 | 21 | 36 | 42 | 47 | 36 | 23 | 18 | 22 | 22 | 20 | 17 | 14 | 18 | 13 | 3 | 0 | 18 |
| Jun. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 05:14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 12 | 7 | 5 | 17 | 20 | 11 | 16 | 5 | 8 | 20 | 10 | 23 | 8 | 14 | 1 | 7 | 8 | 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 04:38 | 0 | 0 | 0 | 4 | 1 | 0 | 3 | 10 | 10 | 4 | 8 | 7 | 0 | 5 | 5 | 9 | 3 | 0 | 1 | 2 | 16 | 0 | 0 | 0 | 14 | 9 | 2 | 5 | 3 | 0 | 0 | 14 | 0 | 3 | 3 |
| 14 | 07:54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 15 | 2 | 8 | 8 | 19 | 7 | 10 | 3 | 2 | 1 | 4 | 4 | 1 | 0 | 0 | 3 | 0 | 0 |
| 20 | 11:22 | 12 | 6 | 0 | 5 | 20 | 0 | 2 | 6 | 0 | 6 | 22 | 33 | 30 | 24 | 25 | 53 | 70 | 6 | 15 | 16 | 26 | 11 | 10 | 8 | 14 | 15 | 7 | 18 | 1 | 3 | 13 | 7 | 12 | 0 | 0 |
| 21 | 04:43 | 13 | 5 | 3 | 0 | 4 | 3 | 12 | 2 | 0 | 6 | 13 | 35 | 11 | 3 | 13 | 32 | 42 | 35 | 16 | 25 | 29 | 24 | 30 | 36 | 8 | 14 | 4 | 6 | 12 | 0 | 19 | 12 | 4 | 15 | 19 |
| 23 | 13:20 | 11 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 9 | 7 | 8 | 11 | 25 | 22 | 20 | 26 | 44 | 50 | 42 | 49 | 45 | 29 | 16 | 4 | 8 | 7 | 24 | 25 | 21 | 17 | 13 | 2 | 16 |
| 24 | 05:37 | 6 | 6 | 4 | 13 | 2 | 14 | 2 | 0 | 5 | 10 | 19 | 14 | 6 | 22 | 15 | 36 | 32 | 33 | 37 | 62 | 71 | 69 | 49 | 41 | 23 | 24 | 14 | 10 | 18 | 33 | 16 | 13 | 5 | 0 | 6 |
| 25 | 08:57 | 0 | 9 | 0 | 0 | 0 | 5 | 8 | 1 | 4 | 3 | 4 | 5 | 6 | 7 | 14 | 44 | 49 | 14 | 29 | 44 | 42 | 38 | 41 | 33 | 7 | 6 | 2 | 0 | 5 | 2 | 7 | 0 | 0 | 0 | 0 |
| 27 | 06:24 | 0 | 0 | 1 | 4 | 3 | 0 | 0 | 0 | 7 | 0 | 6 | 13 | 11 | 16 | 56 | 49 | 66 | 34 | 21 | 23 | 31 | 50 | 49 | 41 | 20 | 40 | 13 | 1 | 13 | 17 | 19 | 14 | 0 | 6 | 8 |
| 28 | 10:08 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 4 | 5 | 19 | 18 | 20 | 32 | 32 | 30 | 44 | 45 | 48 | 41 | 35 | 23 | 18 | 11 | 11 | 17 | 14 | 9 | 0 | 2 | 0 | 8 |
| 29 | 06:24 | 8 | 2 | 0 | 0 | 2 | 4 | 0 | 3 | 0 | 0 | 8 | 3 | 12 | 19 | 19 | 36 | 36 | 35 | 48 | 38 | 41 | 29 | 27 | 20 | 25 | 15 | 10 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Jul. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 05:16 | 0 | 7 | 0 | 2 | 8 | 2 | 0 | 7 | 0 | 2 | 12 | 7 | 15 | 3 | 13 | 5 | 0 | 10 | 0 | 0 | 14 | 9 | 15 | 13 | 8 | 10 | 8 | 9 | 0 | 8 | 5 | 6 | 2 | 5 | 4 |
| Aug. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 05:04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 3 | 19 | 7 | 8 | 17 | 1 | 20 | 11 | 24 | 15 | 21 | 6 | 21 | 12 | 5 | 0 | 0 | 0 | 1 | 0 | 0 |
| 13 | 05:56 | 0 | 0 | 0 | 5 | 6 | 1 | 8 | 8 | 0 | 4 | 7 | 3 | 12 | 14 | 8 | 9 | 19 | 13 | 16 | 9 | 22 | 11 | 8 | 11 | 11 | 20 | 10 | 0 | 0 | 0 | 0 | 6 | 13 | 15 | 13 |
| 14 | 06:04 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 6 | 0 | 0 | 4 | 2 | 6 | 3 | 12 | 3 | 8 | 0 | 3 | 9 | 8 | 16 | 17 | 10 | 2 | 9 | 7 | 4 | 2 | 6 | 8 | 0 | 0 | 7 |
| 20 | 05:54 | 0 | 0 | 7 | 0 | 0 | 10 | 15 | 6 | 9 | 1 | 3 | 17 | 12 | 11 | 37 | 37 | 64 | 73 | 49 | 40 | 49 | 43 | 42 | 18 | 12 | 14 | 20 | 5 | 18 | 10 | 12 | 21 | 27 | 17 | 11 |
| 31 | 06:06 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 9 | 8 | 11 | 1 | 14 | 8 | 7 | 13 | 6 | 5 | 14 | 4 | 17 | 8 | 15 | 28 | 15 | 20 | 16 | 13 | 10 | 7 | 4 | 13 | 10 | 5 | 13 | 8 |
| Sep. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 05:53 | 2 | 1 | 0 | 3 | 9 | 2 | 7 | 7 | 14 | 9 | 2 | 3 | 6 | 9 | 13 | 10 | 4 | 0 | 3 | 5 | 0 | 0 | 18 | 9 | 6 | 8 | 5 | 1 | 11 | 2 | 4 | 5 | 2 | 4 | 3 |
| 2 | 10:10 | 4 | 0 | 6 | 13 | 8 | 9 | 5 | 8 | 7 | 10 | 3 | 7 | 3 | 15 | 17 | 14 | 8 | 7 | 18 | 10 | 9 | 12 | 7 | 16 | 8 | 10 | 2 | 5 | 10 | 12 | 8 | 1 | 8 | 11 | 16 |
| 3 | 05:40 | 2 | 15 | 0 | 0 | 0 | 5 | 0 | 4 | 10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 6 | 06:56 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 2 | 0 | 0 | 1 | 0 | 5 | 15 | 19 | 33 | 35 | 13 | 18 | 45 | 65 | 49 | 25 | 9 | 9 | 5 | 8 | 0 | 9 | 4 | 10 | 10 | 0 | 0 |
| 8 | 06:06 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 11 | 15 | 7 | 5 | 11 | 8 | 7 | 11 | 19 | 23 | 21 | 10 | 18 | 17 | 78 | 19 | 23 | 19 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 4 | 0 |
| 9 | 05:53 | 4 | 4 | 5 | 3 | 3 | 17 | 10 | 14 | 10 | 19 | 22 | 14 | 18 | 13 | 13 | 2 | 4 | 13 | 1 | 17 | 5 | 6 | 35 | 14 | 26 | 13 | 5 | 4 | 0 | 0 | 7 | 6 | 24 | 16 | 11 |
| 19 | 06:24 | 0 | 0 | 0 | 2 | 1 | 2 | 6 | 0 | 6 | 3 | 8 | 4 | 11 | 24 | 49 | 26 | 11 | 11 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 06:23 | 5 | 0 | 0 | 6 | 5 | 0 | 0 | 0 | 2 | 24 | 26 | 35 | 24 | 28 | 26 | 18 | 24 | 29 | 32 | 24 | 34 | 36 | 50 | 26 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 07:02 | 9 | 8 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 12 | 16 | 35 | 29 | 25 | 30 | 35 | 23 | 28 | 13 | 26 | 23 | 19 | 18 | 28 | 26 | 9 | 3 | 22 | 23 | 8 | 12 | 7 | 10 | 0 | 0 |
| Oct. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 10:09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 0 | 5 | 13 | 8 | 3 | 12 | 46 | 27 | 15 | 13 | 27 | 16 | 17 | 13 | 12 | 14 | 22 | 18 | 8 |
| 10 | 08:59 | 1 | 13 | 0 | 3 | 9 | 10 | 13 | 6 | 8 | 2 | 9 | 26 | 10 | 41 | 43 | 53 | 37 | 32 | 26 | 19 | 34 | 27 | 16 | 24 | 10 | 12 | 21 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nov. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 07:38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 8 | 13 | 20 | 11 | 8 | 8 | 15 | 3 | 9 | 8 | 6 | 12 | 11 | 7 | 3 |
| 8 | 10:26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 10 | 6 | 6 | 8 | 6 | 6 | 4 | 5 | 0 | 0 | 2 | 5 | 7 | 5 | 5 | 6 | 0 | 2 |
| 9 | 11:52 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 3 | 9 | 1 | 0 | 0 | 4 | 1 | 4 | 3 | 1 | 3 | 7 | 6 | 1 | 0 | 2 | 1 |
| Dec. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 13:23 | 5 | 9 | 0 | 11 | 9 | 25 | 21 | 17 | 18 | 14 | 0 | 0 | 10 | 11 | 10 | 10 | 3 | 3 | 2 | 19 | 19 | 25 | 12 | 26 | 16 | 5 | 7 | 12 | 9 | 24 | 29 | 18 | 8 | 9 | 10 |
| 10 | 09:31 | 5 | 0 | 7 | 4 | 6 | 0 | 11 | 3 | 4 | 12 | 6 | 2 | 20 | 7 | 17 | 14 | 7 | 24 | 22 | 38 | 28 | 12 | 19 | 9 | 9 | 2 | 6 | 7 | 15 | 23 | 17 | 17 | 10 | 13 | 22 |

## Observatory

spectrum of the disk center, at the same wavelength and of 1Å width.

that the intensities of the corona were not visible or too weak to be measured.

| 175 | 180 | 185 | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 13 | 4 | 0 | 2 | 9 | 6 | 8 | 15 | 18 | 28 | 32 | 30 | 13 | 19 | 13 | 17 | 8 | 18 | 35 | 47 | 42 | 56 | 44 | 28 | 32 | 17 | 16 | 8 | 0 | 6 | 5 | 5 | 2 | 2 | 0 | 0 |
| 0 | 6 | 1 | 10 | 11 | 12 | 10 | 7 | 21 | 16 | 26 | 13 | 14 | 23 | 26 | 25 | 27 | 4 | 19 | 32 | 38 | 46 | 54 | 28 | 20 | 24 | 10 | 2 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 6 | 10 | 11 | 8 | 11 | 20 | 11 | 11 | 23 | 15 | 12 | 24 | 22 | 15 | 32 | 40 | 52 | 67 | 28 | 31 | 33 | 10 | 15 | 14 | 9 | 17 | 11 | 5 | 7 | 1 | 0 | 2 | 10 | 2 | 3 | 7 |
| 10 | 3 | 6 | 23 | 13 | 21 | 17 | 16 | 19 | 14 | 13 | 13 | 22 | 26 | 23 | 36 | 33 | 33 | 43 | 37 | 32 | 30 | 26 | 12 | 15 | 7 | 7 | 7 | 2 | 4 | 0 | 7 | 3 | 8 | 8 | 5 | 6 |
| 8 | 13 | 0 | 7 | 12 | 18 | 17 | 12 | 25 | 12 | 7 | 15 | 13 | 23 | 36 | 30 | 33 | 46 | 49 | 30 | 25 | 19 | 20 | 14 | 12 | 15 | 20 | 12 | 9 | 2 | 6 | 5 | 6 | 5 | 4 | 12 | 7 |
| 7 | 7 | 15 | 14 | 9 | 15 | 19 | 20 | 24 | 22 | 35 | 24 | 27 | 40 | 69 | 56 | 61 | 52 | 36 | 36 | 44 | 42 | 36 | 24 | 29 | 21 | 27 | 24 | 26 | 12 | 8 | 6 | 4 | 1 | 1 | 0 | 0 |
| 9 | 0 | 3 | 8 | 13 | 19 | 25 | 22 | 25 | 19 | 27 | 23 | 45 | 50 | 55 | 102 | 62 | 45 | 24 | 35 | 55 | 62 | 55 | 31 | 19 | 33 | 13 | 13 | 9 | 8 | 6 | 11 | 9 | 6 | 4 | 4 | 5 |
| 7 | 8 | 3 | 9 | 10 | 11 | 27 | 21 | 17 | 13 | 15 | 23 | 22 | 40 | 44 | 47 | 30 | 33 | 29 | 32 | 23 | 34 | 25 | 14 | 12 | 3 | 9 | 9 | 6 | 11 | 3 | 3 | 0 | 0 | 0 | 1 | 8 |
| 6 | 14 | 5 | 9 | 9 | 7 | 9 | 16 | 5 | 12 | 7 | 12 | 11 | 11 | 16 | 9 | 17 | 17 | 15 | 26 | 34 | 35 | 31 | 32 | 24 | 16 | 14 | 4 | 6 | 9 | 7 | 11 | 10 | 5 | 8 | 13 | 7 |
| 26 | 27 | 18 | 7 | 8 | 11 | 17 | 6 | 20 | 22 | 13 | 22 | 22 | 21 | 20 | 30 | 21 | 25 | 26 | 33 | 45 | 43 | 44 | 28 | 20 | 17 | 23 | 10 | 11 | 11 | 10 | 13 | 9 | 21 | 13 | 11 | 9 |
| 17 | 18 | 10 | 12 | 11 | 15 | 14 | 6 | 11 | 22 | 16 | 24 | 26 | 19 | 19 | 22 | 39 | 45 | 33 | 31 | 44 | 40 | 38 | 41 | 6 | 22 | 12 | 8 | 4 | 0 | 0 | 0 | 10 | 19 | 4 | 14 | 3 |
| 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 4 | 6 | 15 | 3 | 0 | 12 | 23 | 21 | 16 | 4 | 12 | 19 | 22 | 15 | 3 | 17 | 8 | 1 | 2 | 3 | 9 | 4 | 3 | 13 | 8 | 17 | 12 |
| 12 | 0 | 4 | 8 | 7 | 6 | 12 | 5 | 6 | 11 | 7 | 23 | 14 | 22 | 25 | 23 | 24 | 28 | 42 | 27 | 26 | 23 | 17 | 22 | 18 | 15 | 4 | 4 | 6 | 3 | 10 | 8 | 18 | 24 | 13 | 28 | 11 |
| 3 | 1 | 0 | 6 | 0 | 0 | 4 | 4 | 3 | 7 | 2 | 7 | 5 | 13 | 8 | 13 | 22 | 14 | 21 | 10 | 11 | 14 | 7 | 8 | 5 | 5 | 11 | 6 | 6 | 6 | 11 | 2 | 2 | 2 | 7 | 8 | 7 |
| 0 | 3 | 0 | 2 | 2 | 13 | 15 | 8 | 10 | 19 | 19 | 18 | 20 | 24 | 36 | 30 | 46 | 26 | 15 | 35 | 30 | 33 | 28 | 26 | 16 | 8 | 11 | 12 | 12 | 10 | 2 | 4 | 6 | 0 | 12 | 6 | 8 |
| 0 | 0 | 1 | 1 | 0 | 6 | 16 | 8 | 18 | 11 | 24 | 19 | 27 | 40 | 23 | 4 | 18 | 28 | 26 | 20 | 14 | 23 | 14 | 1 | 20 | 9 | 13 | 18 | 8 | 10 | 7 | 9 | 9 | 10 | 9 | 9 | 7 |
| 5 | 3 | 11 | 11 | 12 | 13 | 26 | 20 | 25 | 25 | 14 | 27 | 28 | 29 | 25 | 28 | 36 | 38 | 28 | 31 | 23 | 24 | 22 | 16 | 24 | 19 | 18 | 18 | 17 | 10 | 10 | 19 | 17 | 7 | 14 | 10 | 5 |
| 0 | 2 | 3 | 3 | 6 | 8 | 8 | 10 | 16 | 11 | 10 | 18 | 18 | 23 | 23 | 27 | 36 | 20 | 22 | 21 | 23 | 19 | 20 | 19 | 21 | 35 | 24 | 32 | 20 | 12 | 0 | 0 | 4 | 10 | 11 | 12 | 7 |
| 7 | 11 | 1 | 8 | 23 | 36 | 26 | 27 | 15 | 19 | 16 | 19 | 15 | 23 | 29 | 48 | 61 | 47 | 43 | 22 | 28 | 33 | 37 | 43 | 32 | 45 | 26 | 28 | 28 | 22 | 24 | 20 | 22 | 10 | 15 | 13 | 20 |
| 10 | 14 | 16 | 19 | 10 | 23 | 13 | 27 | 27 | 23 | 24 | 35 | 30 | 41 | 50 | 72 | 83 | 98 | 55 | 41 | 49 | 62 | 69 | 61 | 51 | 28 | 27 | 32 | 18 | 14 | 20 | 15 | 29 | 18 | 15 | 8 | 12 |
| 7 | 9 | 5 | 8 | 7 | 7 | 8 | 14 | 14 | 9 | 8 | 14 | 30 | 30 | 30 | 31 | 29 | 17 | 6 | 15 | 17 | 17 | 9 | 8 | 0 | 0 | 6 | 7 | 0 | 0 | 4 | 7 | 3 | 1 | 0 | 0 | 0 |
| 3 | 0 | 0 | 2 | 1 | 4 | 14 | 10 | 11 | 6 | 12 | 20 | 10 | 12 | 20 | 14 | 13 | 13 | 2 | 2 | 1 | 2 | 3 | 5 | 9 | 12 | 5 | 7 | 3 | 7 | 3 | 3 | 5 | 2 | 0 | 0 | 0 |
| 15 | 10 | 1 | 6 | 6 | 14 | 23 | 15 | 21 | 12 | 24 | 22 | 8 | 25 | 16 | 20 | 16 | 30 | 9 | 19 | 0 | 15 | 16 | 9 | 18 | 8 | 13 | 23 | 19 | 19 | 20 | 11 | 18 | 14 | 11 | 9 | 7 |
| 3 | 0 | 4 | 0 | 6 | 2 | 13 | 12 | 2 | 7 | 11 | 5 | 12 | 6 | 2 | 7 | 8 | 27 | 18 | 11 | 11 | 16 | 24 | 22 | 7 | 4 | 8 | 7 | 7 | 14 | 4 | 10 | 13 | 10 | 2 | 0 | 0 |
| 0 | 0 | 0 | 3 | 0 | 2 | 10 | 5 | 5 | 5 | 5 | 4 | 6 | 11 | 2 | 2 | 15 | 12 | 17 | 18 | 19 | 52 | 61 | 28 | 11 | 13 | 11 | 12 | 8 | 15 | 14 | 11 | 3 | 14 | 9 | 10 | 5 |
| 0 | 0 | 0 | 0 | 1 | 4 | 5 | 4 | 4 | 6 | 4 | 0 | 3 | 2 | 5 | 6 | 3 | 6 | 7 | 15 | 23 | 49 | 56 | 27 | 15 | 13 | 4 | 8 | 3 | 9 | 2 | 2 | 11 | 13 | 4 | 3 | 0 |
| 13 | 19 | 23 | 18 | 17 | 23 | 18 | 18 | 14 | 18 | 22 | 20 | 9 | 21 | 11 | 12 | 18 | 9 | 14 | 18 | 16 | 31 | 23 | 8 | 6 | 0 | 8 | 1 | 0 | 0 | 13 | 15 | 15 | 16 | 18 | 10 | 4 |
| 0 | 0 | 1 | 5 | 3 | 2 | 1 | 0 | 2 | 5 | 4 | 3 | 6 | 7 | 12 | 4 | 3 | 8 | 8 | 16 | 14 | 26 | 22 | 15 | 8 | 17 | 15 | 11 | 3 | 7 | 15 | 13 | 7 | 11 | 3 | 3 | 2 |
| 20 | 15 | 15 | 10 | 8 | 18 | 15 | 20 | 18 | 9 | 10 | 10 | 16 | 18 | 6 | 21 | 16 | 29 | 39 | 22 | 25 | 19 | 19 | 18 | 22 | 23 | 25 | 18 | 24 | 21 | 17 | 31 | 23 | 14 | 9 | 7 | 13 |
| 9 | 12 | 10 | 3 | 13 | 5 | 12 | 4 | 11 | 16 | 13 | 14 | 15 | 15 | 12 | 17 | 10 | 18 | 16 | 28 | 23 | 35 | 27 | 28 | 32 | 22 | 21 | 15 | 27 | 24 | 20 | 21 | 24 | 21 | 23 | 17 | 11 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 5 | 1 | 7 | 8 | 12 | 8 | 8 | 23 | 16 | 4 | 3 | 15 | 13 | 16 | 12 | 2 | 0 | 1 | 1 | 8 | 0 | 0 | 0 | 1 | 10 | 0 | 6 |
| 0 | 0 | 0 | 1 | 2 | 8 | 4 | 10 | 6 | 4 | 9 | 15 | 10 | 15 | 6 | 16 | 20 | 27 | 17 | 17 | 14 | 13 | 20 | 16 | 12 | 10 | 12 | 14 | 8 | 4 | 15 | 3 | 13 | 13 | 9 | 10 | 9 |
| 12 | 8 | 11 | 6 | 18 | 10 | 8 | 11 | 11 | 19 | 15 | 17 | 13 | 19 | 14 | 14 | 13 | 20 | 16 | 15 | 7 | 14 | 8 | 8 | 5 | 18 | 13 | 12 | 20 | 15 | 18 | 11 | 18 | 25 | 25 | 17 | 14 |
| 13 | 8 | 7 | 0 | 11 | 0 | 10 | 4 | 8 | 8 | 12 | 13 | 9 | 14 | 23 | 23 | 20 | 40 | 35 | 34 | 23 | 32 | 25 | 31 | 24 | 19 | 15 | 17 | 19 | 14 | 11 | 8 | 0 | 8 | 6 | 6 | 5 |
| 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 7 | 9 | 10 | 9 | 0 | 0 | 11 | 10 | 23 | 22 | 24 | 15 | 10 | 29 | 25 | 21 | 3 | 14 | 12 | 5 | 0 | 0 | 0 | 0 | 7 | 4 | 0 | 4 | 0 |
| 4 | 3 | 0 | 0 | 1 | 0 | 11 | 0 | 0 | 4 | 10 | 5 | 19 | 8 | 13 | 3 | 0 | 10 | 16 | 16 | 11 | 7 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 2 | 0 | 5 | 1 | 0 | 12 | 4 | 10 | 5 | 11 | 15 | 13 | 26 | 28 | 74 | 33 | 34 | 23 | 10 | 8 | 0 | 12 | 11 | 12 | 8 | 16 | 10 | 15 | 8 | 7 | 13 | 4 | 0 | 3 |
| 2 | 1 | 3 | 8 | 9 | 1 | 3 | 0 | 0 | 1 | 0 | 6 | 0 | 14 | 11 | 0 | 0 | 7 | 10 | 0 | 2 | 7 | 2 | 14 | 0 | 9 | 7 | 12 | 10 | 14 | 13 | 9 | 12 | 11 | 8 | 10 | 9 |
| 8 | 0 | 4 | 3 | 9 | 6 | 5 | 5 | 19 | 11 | 24 | 11 | 20 | 22 | 19 | 8 | 9 | 20 | 37 | 31 | 24 | 46 | 44 | 95 | 28 | 14 | 19 | 19 | 2 | 13 | 19 | 23 | 13 | 13 | 13 | 0 | 12 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 6 | 14 | 41 | 18 | 17 | 2 | 8 | 11 | 19 | 23 | 19 | 9 | 13 | 0 | 0 | 10 | 13 | 15 | 12 | 0 | 0 | 0 | 0 |
| 9 | 0 | 3 | 8 | 6 | 1 | 0 | 0 | 10 | 3 | 0 | 12 | 0 | 0 | 8 | 9 | 8 | 0 | 0 | 2 | 1 | 6 | 0 | 0 | 0 | 13 | 3 | 15 | 8 | 14 | 15 | 14 | 5 | 11 | 5 | 4 | 2 |
| 8 | 0 | 0 | 0 | 7 | 0 | 0 | 10 | 23 | 11 | 6 | 7 | 8 | 5 | 13 | 10 | 2 | 23 | 0 | 7 | 4 | 18 | 3 | 12 | 15 | 0 | 6 | 0 | 1 | 4 | 6 | 7 | 6 | 0 | 0 | 7 | 0 |
| 7 | 16 | 8 | 6 | 18 | 9 | 7 | 8 | 15 | 11 | 2 | 8 | 0 | 0 | 3 | 6 | 23 | 28 | 60 | 24 | 23 | 7 | 19 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 5 | 9 | 16 | 7 | 8 | 0 | 4 | 8 | 6 | 4 | 3 | 1 | 8 | 9 | 16 | 28 | 48 | 41 | 32 | 15 | 20 | 18 | 29 | 19 | 13 | 0 | 0 | 0 | 4 | 3 | 5 | 12 | 4 | 4 | 0 | 0 | 0 |
| 0 | 8 | 0 | 8 | 4 | 0 | 0 | 5 | 0 | 0 | 3 | 8 | 13 | 0 | 16 | 20 | 34 | 31 | 17 | 10 | 1 | 0 | 16 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 4 | 11 | 4 | 7 | 11 | 16 | 11 | 12 | 0 | 7 | 22 | 18 | 20 | 26 | 23 | 22 | 27 | 23 | 29 | 34 | 23 | 22 | 26 | 32 | 28 | 32 | 27 | 17 | 31 | 15 | 23 | 25 | 14 | 16 | 6 |
| 8 | 0 | 11 | 0 | 0 | 0 | 0 | 2 | 6 | 3 | 1 | 0 | 0 | 11 | 7 | 15 | 27 | 20 | 14 | 14 | 19 | 22 | 19 | 0 | 0 | 0 | 11 | 15 | 21 | 20 | 0 | 11 | 6 | 13 | 12 | 4 | 4 |
| 3 | 7 | 9 | 11 | 12 | 12 | 9 | 8 | 11 | 19 | 21 | 8 | 5 | 9 | 14 | 32 | 33 | 26 | 4 | 0 | 13 | 3 | 10 | 7 | 2 | 0 | 2 | 10 | 11 | 8 | 21 | 11 | 25 | 8 | 7 | 2 | 0 |
| 0 | 9 | 0 | 2 | 0 | 2 | 1 | 0 | 7 | 11 | 0 | 0 | 7 | 6 | 5 | 4 | 47 | 30 | 6 | 6 | 4 | 0 | 8 | 11 | 7 | 13 | 8 | 16 | 13 | 20 | 11 | 11 | 10 | 2 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 5 | 0 | 1 | 0 | 0 | 5 | 22 | 5 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 7 | 11 | 16 | 9 | 6 | 1 | 16 | 15 | 8 | 6 | 4 | 23 | 22 | 14 | 22 | 10 | 7 | 0 | 0 | 5 |
| 9 | 27 | 15 | 2 | 13 | 10 | 10 | 21 | 17 | 8 | 18 | 9 | 10 | 13 | 2 | 19 | 21 | 24 | 22 | 7 | 7 | 4 | 11 | 14 | 4 | 7 | 13 | 18 | 13 | 8 | 16 | 14 | 1 | 3 | 9 | 0 | 5 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 9 | 25 | 35 | 43 | 43 | 26 | 13 | 19 | 9 | 23 | 8 | 12 | 13 | 12 | 9 | 16 | 25 | 13 | 11 | 4 | 12 | 0 | 0 |
| 3 | 1 | 0 | 0 | 6 | 2 | 8 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 6 | 0 | 6 | 30 | 14 | 24 | 24 | 23 | 48 | 41 | 51 | 3 | 11 | 0 | 14 | 9 | 13 | 7 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 25 | 46 | 29 | 5 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 5 | 4 | 3 | 14 | 0 | 9 | 0 | 0 | 0 | 11 | 11 | 7 | 5 | 11 | 32 | 90 | 46 | 32 | 23 | 19 | 34 | 20 | 30 | 20 | 14 | 7 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 4 | 17 | 36 | 28 | 20 | 18 | 20 | 27 | 36 | 18 | 22 | 2 | 9 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 6 | 4 | 0 | 1 | 11 | 15 | 1 | 0 | 0 | 0 | 4 | 5 | 2 | 14 | 18 | 15 | 5 | 11 | 7 | 0 | 0 | 1 | 0 | 2 | 0 | 6 | 0 | 0 | 7 | 6 | 0 | 0 | 0 | 0 | 10 | 0 |
| 6 | 17 | 16 | 16 | 18 | 25 | 27 | 39 | 30 | 30 | 22 | 9 | 12 | 11 | 20 | 23 | 18 | 17 | 16 | 25 | 40 | 44 | 44 | 38 | 25 | 8 | 14 | 6 | 0 | 5 | 10 | 2 | 7 | 0 | 0 | 0 | 0 |
| 0 | 0 | 3 | 12 | 11 | 19 | 16 | 17 | 8 | 5 | 10 | 0 | 1 | 10 | 33 | 23 | 46 | 39 | 50 | 50 | 63 | 72 | 46 | 33 | 20 | 13 | 8 | 7 | 0 | 10 | 9 | 3 | 0 | 0 | 0 | 1 | 0 |
| 10 | 5 | 8 | 3 | 10 | 13 | 12 | 8 | 10 | 5 | 8 | 6 | 12 | 23 | 22 | 27 | 24 | 32 | 28 | 35 | 44 | 55 | 64 | 40 | 19 | 11 | 3 | 12 | 7 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 4 |
| 3 | 0 | 0 | 0 | 0 | 4 | 10 | 0 | 6 | 3 | 5 | 9 | 8 | 17 | 12 | 21 | 10 | 10 | 18 | 30 | 24 | 46 | 25 | 37 | 5 | 7 | 15 | 1 | 0 | 0 | 0 | 4 | 0 | 2 | 5 | 1 | 0 |
| 0 | 2 | 0 | 0 | 0 | 0 | 8 | 8 | 0 | 0 | 0 | 8 | 1 | 7 | 15 | 14 | 24 | 29 | 42 | 22 | 7 | 25 | 34 | 43 | 16 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 22 | 26 | 19 | 22 | 17 | 13 | 10 | 15 | 17 | 12 | 17 | 8 | 3 | 0 | 0 | 0 | 5 | 0 | 8 | 2 | 7 | 2 |
| 5 | 0 | 0 | 1 | 8 | 4 | 9 | 8 | 4 | 8 | 1 | 9 | 4 | 5 | 19 | 27 | 65 | 34 | 47 | 7 | 0 | 11 | 9 | 1 | 8 | 11 | 4 | 9 | 0 | 4 | 0 | 1 | 0 | 5 | 0 | 14 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 16 | 25 | 49 | 81 | 54 | 28 | 24 | 27 | 24 | 15 | 14 | 3 | 11 | 4 | 7 | 10 | 3 | 8 | 4 | 2 | 0 | 0 | 6 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 13 | 12 | 32 | 54 | 50 | 37 | 19 | 16 | 21 | 10 | 10 | 3 | 7 | 19 | 22 | 19 | 22 | 16 | 6 | 8 | 14 | 11 | 1 | 9 |
| 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 5 | 6 | 0 | 24 | 14 | 23 | 20 | 39 | 36 | 29 | 54 | 33 | 24 | 34 | 56 | 45 | 35 | 18 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 10 | 0 |
| 9 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 21 | 21 | 54 | 39 | 24 | 20 | 22 | 34 | 15 | 16 | 24 | 8 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 1 | 12 | 23 | 16 | 13 | 10 | 9 | 13 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 1 | 7 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 7 | 2 | 11 | 3 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 6 | 3 | 8 | 5 | 11 | 8 | 3 | 1 | 3 | 6 | 5 | 0 | 0 | 1 | 3 | 5 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 1 |
| 3 | 0 | 4 | 3 | 6 | 9 | 2 | 0 | 0 | 7 | 4 | 1 | 8 | 2 | 2 | 12 | 10 | 8 | 12 | 5 | 7 | 6 | 1 | 0 | 3 | 4 | 9 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 11 | 13 | 12 | 23 | 31 | 27 | 24 | 31 | 36 | 43 | 56 | 71 | 60 | 71 | 45 | 60 | 38 | 33 | 18 | 13 | 15 | 22 | 23 | 9 | 9 | 1 | 2 | 1 | 0 | 0 | 14 | 9 | 17 | 4 | 6 | 9 |
| 20 | 15 | 21 | 29 | 13 | 13 | 28 | 14 | 11 | 19 | 18 | 31 | 28 | 27 | 33 | 33 | 52 | 34 | 49 | 38 | 31 | 15 | 16 | 0 | 8 | 13 | 3 | 6 | 8 | 0 | 1 | 3 | 1 | 5 | 0 | 1 | 2 |

637.46nm

| DATE (UT) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jan. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 11:30 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 9 | 15 | 7 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 10:27 | 2 | 4 | 3 | 4 | 3 | 3 | 6 | 2 | 3 | 2 | 2 | 1 | 0 | 0 | 2 | 2 | 3 | 4 | 1 | 11 | 11 | 4 | 4 | 0 | 7 | 5 | 0 | 5 | 1 | 3 | 1 | 1 | 1 | 1 | 2 |
| 16 10:14 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 4 | 4 | 0 | 1 | 0 | 2 | 9 | 4 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 3 |
| 17 09:02 | 2 | 1 | 3 | 5 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 10 | 2 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 4 | 6 | 0 | 0 | 1 | 3 |
| 18 09:29 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 4 | 0 | 4 | 14 | 1 | 0 | 7 | 0 | 1 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 08:54 | 2 | 6 | 3 | 6 | 2 | 9 | 3 | 6 | 1 | 2 | 9 | 1 | 0 | 6 | 6 | 3 | 6 | 6 | 0 | 5 | 4 | 0 | 4 | 2 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 30 08:46 | 3 | 5 | 9 | 0 | 0 | 0 | 2 | 10 | 6 | 1 | 8 | 0 | 6 | 0 | 0 | 6 | 9 | 9 | 11 | 3 | 0 | 0 | 0 | 5 | 6 | 6 | 0 | 4 | 0 | 0 | 7 | 1 | 6 | 0 | 0 |
| Feb. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 09:15 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 3 | 0 | 1 | 0 | 0 | 2 | 0 | 2 | 1 | 3 | 8 | 1 | 0 | 0 | 0 | 1 | 6 | 2 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
| 6 09:47 | 0 | 0 | 3 | 3 | 0 | 2 | 6 | 2 | 4 | 0 | 0 | 3 | 6 | 0 | 21 | 20 | 17 | 1 | 6 | 0 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 2 | 0 |
| 7 10:57 | 9 | 0 | 0 | 11 | 0 | 1 | 7 | 4 | 11 | 6 | 7 | 1 | 6 | 10 | 8 | 11 | 11 | 13 | 18 | 13 | 11 | 2 | 6 | 4 | 4 | 0 | 4 | 0 | 7 | 6 | 0 | 3 | 0 | 0 | 4 |
| 8 08:26 | 3 | 2 | 1 | 3 | 0 | 4 | 6 | 4 | 3 | 9 | 10 | 1 | 6 | 6 | 7 | 14 | 9 | 13 | 7 | 6 | 18 | 3 | 7 | 2 | 0 | 1 | 0 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 |
| 9 08:13 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 1 | 0 | 7 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 6 | 8 | 4 | 4 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 08:15 | 6 | 1 | 2 | 2 | 4 | 2 | 1 | 7 | 8 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 09:38 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 09:07 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mar. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 08:33 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 0 | 6 | 2 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 08:33 | 0 | 0 | 0 | 5 | 3 | 3 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 11:37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 3 | 2 | 2 | 2 | 7 | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 09:51 | 0 | 0 | 0 | 2 | 4 | 5 | 0 | 0 | 0 | 0 | 3 | 2 | 8 | 9 | 0 | 14 | 8 | 4 | 6 | 3 | 3 | 0 | 1 | 0 | 4 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 2 | 8 |
| 27 06:55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 0 | 7 | 0 | 0 | 0 | 0 |
| 29 06:12 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 1 |
| 30 06:37 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 1 | 0 | 0 | 3 | 0 | 0 | 1 | 3 | 4 | 6 | 3 | 5 | 6 | 7 | 0 | 3 | 7 | 0 |
| 31 08:30 | 1 | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 4 | 1 | 3 | 6 | 3 | 5 | 3 | 7 | 3 | 5 | 2 | 4 | 1 | 0 | 2 | 4 | 4 |
| Apr. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 06:48 | 8 | 2 | 3 | 3 | 5 | 4 | 3 | 2 | 6 | 1 | 7 | 5 | 0 | 3 | 8 | 2 | 7 | 9 | 5 | 7 | 9 | 9 | 5 | 6 | 7 | 6 | 11 | 11 | 5 | 2 | 8 | 2 | 0 | 1 | 1 |
| 2 06:57 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 4 | 7 | 6 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| 4 06:53 | 1 | 0 | 1 | 4 | 0 | 3 | 2 | 0 | 0 | 0 | 6 | 4 | 2 | 4 | 4 | 3 | 2 | 4 | 8 | 7 | 4 | 6 | 6 | 2 | 3 | 5 | 0 | 3 | 7 | 5 | 6 | 0 | 2 | 2 | 3 |
| 5 07:06 | 1 | 0 | 0 | 1 | 1 | 2 | 4 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 3 | 7 | 4 | 2 | 5 | 6 | 5 | 4 | 5 | 5 | 7 | 0 | 2 | 4 | 4 | 6 | 3 | 0 | 5 | 0 | 3 |
| 27 09:38 | 0 | 0 | 0 | 2 | 3 | 2 | 2 | 3 | 0 | 7 | 6 | 5 | 0 | 0 | 5 | 7 | 5 | 6 | 1 | 0 | 5 | 8 | 7 | 4 | 5 | 7 | 9 | 10 | 3 | 2 | 7 | 2 | 0 | 0 | 4 |
| 29 11:36 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 4 | 0 | 5 | 0 | 1 | 3 | 0 | 7 | 2 | 0 | 0 | 2 | 0 | 5 | 0 | 4 | 7 | 3 | 0 | 1 | 1 | 0 |
| 30 11:30 | 1 | 0 | 0 | 2 | 4 | 4 | 2 | 6 | 0 | 6 | 5 | 7 | 3 | 0 | 0 | 1 | 4 | 0 | 0 | 1 | 4 | 6 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 0 |
| May | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 08:20 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 8 | 5 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 3 | 2 | 4 |
| 9 05:24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 5 | 0 | 4 | 3 |
| 10 05:59 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 11:40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 06:57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 4 | 0 | 2 |
| 21 09:25 | 2 | 3 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | 1 | 1 | 2 | 6 | 7 | 3 | 1 | 6 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| 22 07:20 | 5 | 4 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 5 | 4 | 1 | 4 | 0 | 0 | 0 | 0 | 9 | 0 | 4 | 0 | 1 | 5 | 2 | 3 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 23 08:18 | 0 | 6 | 0 | 6 | 7 | 6 | 3 | 1 | 3 | 5 | 2 | 6 | 0 | 0 | 6 | 2 | 2 | 7 | 0 | 8 | 12 | 2 | 10 | 5 | 2 | 8 | 8 | 5 | 4 | 2 | 10 | 9 | 9 | 9 | 6 |
| 26 09:26 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | 1 | 4 | 0 | 5 | 0 | 0 | 5 | 1 | 0 | 4 | 2 | 3 | 0 | 7 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 2 |
| 30 07:03 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 2 | 12 | 7 | 6 | 12 | 2 | 5 | 8 | 0 | 6 | 7 | 6 |
| Jun. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 05:32 | 8 | 6 | 0 | 0 | 6 | 0 | 3 | 6 | 0 | 6 | 0 | 3 | 1 | 0 | 8 | 5 | 10 | 10 | 8 | 10 | 13 | 12 | 12 | 14 | 15 | 12 | 10 | 9 | 4 | 8 | 4 | 2 | 2 | 10 | 12 |
| 13 04:51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 1 | 7 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 08:11 | 2 | 1 | 0 | 0 | 3 | 0 | 4 | 1 | 2 | 3 | 0 | 0 | 7 | 6 | 0 | 2 | 10 | 9 | 7 | 8 | 5 | 1 | 11 | 7 | 2 | 6 | 3 | 8 | 7 | 2 | 8 | 0 | 0 | 9 | 4 |
| 20 11:38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 04:59 | 1 | 4 | 0 | 0 | 7 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 5 | 3 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 23 13:40 | 3 | 0 | 4 | 2 | 1 | 5 | 0 | 4 | 2 | 0 | 10 | 0 | 3 | 0 | 0 | 0 | 2 | 15 | 7 | 4 | 8 | 12 | 7 | 11 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 |
| 24 05:52 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 3 | 4 | 1 | 0 | 0 | 0 | 7 | 7 | 13 | 4 | 13 | 3 | 0 | 6 | 8 | 8 | 0 | 0 | 5 | 5 | 0 |
| 25 09:14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 6 | 3 | 5 | 5 | 6 | 1 | 6 | 0 | 0 | 0 | 0 | 4 | 2 | 1 | 0 | 3 |
| 27 08:23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 11 | 4 | 4 | 7 | 1 | 3 | 4 | 1 | 0 | 10 | 4 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 |
| 28 07:31 | 0 | 10 | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 3 | 17 | 11 | 4 | 14 | 3 | 5 | 1 | 0 | 5 | 0 | 6 | 0 | 6 | 0 | 0 | 12 | 12 | 13 | 3 | 0 |
| 29 06:37 | 0 | 5 | 3 | 0 | 8 | 0 | 8 | 0 | 0 | 3 | 2 | 0 | 3 | 0 | 0 | 15 | 11 | 11 | 17 | 9 | 4 | 8 | 9 | 12 | 5 | 5 | 5 | 6 | 4 | 6 | 7 | 11 | 8 | 3 | 10 |
| Jul. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 05:26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 3 | 5 | 1 | 0 | 0 |
| 28 06:08 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 5 | 0 | 1 | 12 | 8 | 7 | 11 | 0 | 7 | 1 | 8 | 14 | 5 | 8 | 1 | 6 | 9 | 6 | 9 | 20 | 13 | 4 | 7 |
| 29 05:50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 7 | 0 | 0 | 0 | 0 | 7 | 6 | 8 | 7 | 13 | 4 | 5 | 2 | 10 | 5 | 6 | 6 | 4 |
| Aug. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 05:38 | 5 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 0 | 0 | 0 | 2 | 3 | 0 | 3 | 0 | 6 | 10 | 5 | 2 | 7 | 5 | 3 | 2 | 4 | 3 |
| 13 06:08 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 6 | 0 |
| 14 06:18 | 0 | 0 | 7 | 0 | 4 | 1 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 6 | 5 | 3 | 0 | 0 | 0 | 6 | 2 | 0 | 3 | 0 | 3 | 1 | 2 | 0 | 8 | 2 | 4 | 1 | 4 | 6 | 9 |
| 20 06:08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 0 | 4 | 0 | 7 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 7 | 1 | 0 | 0 | 0 | 0 |
| 30 06:57 | 0 | 0 | 4 | 3 | 3 | 0 | 7 | 7 | 2 | 0 | 3 | 0 | 4 | 2 | 2 | 4 | 4 | 7 | 6 | 10 | 5 | 0 | 1 | 0 | 1 | 0 | 5 | 3 | 1 | 1 | 2 | 0 | 7 | 8 | 7 |
| 31 06:32 | 0 | 3 | 2 | 2 | 0 | 2 | 1 | 0 | 6 | 3 | 0 | 0 | 0 | 8 | 11 | 5 | 11 | 6 | 10 | 16 | 13 | 7 | 3 | 9 | 3 | 11 | 10 | 4 | 11 | 5 | 5 | 5 | 4 | 3 | 7 |
| Sep. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 06:11 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 8 | 3 | 10 | 4 | 0 | 4 | 9 | 4 | 5 | 1 | 4 | 1 | 3 | 4 | 4 | 0 |
| 2 05:57 | 1 | 8 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15 | 7 | 1 | 5 | 8 | 6 | 12 | 5 | 7 | 3 | 6 | 8 | 11 | 18 | 5 | 7 | 0 | 3 | 3 | 1 | 4 |
| 3 05:53 | 0 | 3 | 0 | 6 | 1 | 0 | 1 | 7 | 6 | 10 | 7 | 8 | 1 | 7 | 7 | 2 | 4 | 7 | 6 | 5 | 7 | 0 | 5 | 2 | 2 | 6 | 3 | 7 | 6 | 0 | 3 | 1 | 6 | 5 | 3 |
| 6 07:26 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 5 | 11 | 4 | 2 | 3 | 9 | 8 | 7 | 1 | 8 | 3 | 7 | 13 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 9 | 0 |
| 8 06:26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 6 | 0 | 5 | 5 | 10 | 16 | 10 | 5 | 0 | 2 | 2 | 5 | 3 | 4 | 5 | 0 | 6 | 0 | 0 |
| 9 06:14 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 1 | 2 | 4 | 5 | 4 | 0 | 0 | 2 | 6 | 5 | 1 | 0 | 7 | 8 | 7 | 4 | 5 | 3 | 0 | 14 | 11 | 11 | 12 | 4 | 1 | 4 | 0 | 4 |
| 19 06:37 | 3 | 0 | 3 | 1 | 10 | 5 | 5 | 1 | 8 | 4 | 8 | 3 | 1 | 3 | 6 | 3 | 7 | 13 | 12 | 9 | 5 | 11 | 16 | 9 | 5 | 7 | 3 | 11 | 13 | 11 | 10 | 0 | 10 | 4 | 1 |
| 22 07:37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15 | 9 | 9 | 15 | 23 | 12 | 16 | 35 | 21 | 37 | 33 | 17 | 15 | 14 | 18 |
| 23 06:41 | 7 | 0 | 3 | 0 | 6 | 9 | 0 | 3 | 6 | 4 | 1 | 7 | 2 | 2 | 0 | 0 | 12 | 0 | 0 | 13 | 0 | 0 | 0 | 5 | 0 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| 26 07:14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 3 | 5 | 1 | 0 |
| Oct. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 12:36 | 4 | 2 | 4 | 12 | 0 | 6 | 6 | 0 | 7 | 8 | 4 | 12 | 20 | 12 | 9 | 10 | 14 | 18 | 13 | 9 | 11 | 14 | 17 | 2 | 0 | 0 | 8 | 2 | 0 | 8 | 0 | 2 | 10 | 4 | 2 |
| 6 07:01 | 0 | 0 | 3 | 1 | 12 | 0 | 0 | 0 | 0 | 10 | 0 | 5 | 0 | 0 | 8 | 2 | 8 | 2 | 2 | 10 | 2 | 15 | 3 | 5 | 0 | 0 | 0 | 4 | 0 | 3 | 1 | 1 | 1 | 0 | 0 |
| 7 09:16 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 6 | 2 | 0 | 0 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 6 | 11 | 0 | 8 | 0 | 0 | 0 | 0 |
| 9 08:11 | 1 | 2 | 1 | 4 | 8 | 2 | 0 | 3 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 3 | 3 | 0 | 4 | 3 | 9 | 14 | 9 | 11 | 16 | 16 | 10 | 11 | 11 | 11 | 10 | 8 | 9 | 4 | 4 |
| 10 06:41 | 0 | 4 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 0 | 1 | 5 | 2 | 0 | 0 | 9 | 5 | 4 | 0 | 4 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 0 | 7 | 7 |
| 19 07:18 | 0 | 7 | 0 | 0 | 0 | 6 | 2 | 0 | 7 | 0 | 4 | 6 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 3 | 0 | 0 | 0 | 10 | 2 | 3 | 2 | 1 | 4 | 8 | 5 | 0 |
| 23 07:59 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 08:11 | 2 | 0 | 4 | 0 | 5 | 0 | 6 | 3 | 1 | 0 | 5 | 3 | 0 | 2 | 4 | 0 | 0 | 6 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 08:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 2 | 2 | 0 | 1 | 4 | 1 |
| 30 07:57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 4 | 0 | 1 | 0 | 5 | 2 | 0 | 0 | 4 | 8 | 5 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 0 | 2 | 6 | 8 |
| 31 09:09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 6 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 7 | 9 | 8 | 3 | 4 | 6 | 5 |
| Nov. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 07:41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 08:28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 11:08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 07:54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 23 09:34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 1 | 1 | 0 | 4 | 5 | 6 | 0 | 0 | 4 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 |
| Dec. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 10:03 | 8 | 2 | 6 | 3 | 0 | 3 | 2 | 9 | 0 | 4 | 3 | 4 | 1 | 2 | 4 | 11 | 7 | 0 | 9 | 0 | 8 | 3 | 4 | 1 | 17 | 9 | 6 | 8 | 6 | 7 | 8 | 2 | 0 | 0 | 0 |
| 4 13:49 | 0 | 0 | 0 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 3 | 6 | 2 | 2 | 0 | 0 |
| 10 10:12 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 7 | 6 | 6 | 6 | 2 | 6 | 5 | 1 | 3 | 9 | 0 | 4 | 11 | 12 | 6 | 3 | 1 | 0 | 0 | 5 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 09:15 | 0 | 7 | 9 | 3 | 7 | 5 | 4 | 10 | 5 | 0 | 11 | 9 | 0 | 11 | 0 | 5 | 4 | 12 | 7 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 |
| 23 07:59 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| 175 | 180 | 185 | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 6 | 5 | 5 | 5 | 6 | 1 | 4 | 5 | 8 | 6 | 4 | 11 | 6 | 2 | 11 | 6 | 3 | 2 | 4 | 13 | 2 | 6 | 6 | 10 | 2 | 3 | 3 | 6 | 4 | 5 | 7 | 4 | 5 | 1 | 2 | 0 |
| 0 | 1 | 2 | 4 | 2 | 0 | 1 | 2 | 5 | 3 | 5 | 6 | 5 | 4 | 3 | 6 | 3 | 1 | 5 | 4 | 1 | 3 | 0 | 2 | 0 | 0 | 3 | 1 | 5 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 7 | 3 | 0 | 0 | 0 | 6 | 4 | 2 | 4 | 0 | 9 | 6 | 2 | 6 | 2 | 3 | 2 | 7 | 3 | 5 | 0 | 0 | 0 | 5 | 2 | 1 | 0 | 0 | 2 |
| 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 11 | 4 | 0 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| 0 | 2 | 5 | 3 | 5 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 1 | 0 | 4 | 7 | 5 | 6 | 6 | 3 | 5 | 6 | 5 | 1 | 0 | 6 | 3 | 4 | 6 | 6 | 0 | 0 | 0 | 9 |
| 3 | 3 | 2 | 6 | 3 | 4 | 4 | 6 | 6 | 3 | 4 | 9 | 6 | 0 | 4 | 2 | 3 | 6 | 2 | 12 | 10 | 3 | 1 | 3 | 0 | 2 | 3 | 2 | 2 | 2 | 4 | 6 | 3 | 0 | 4 | 4 | 3 |
| 0 | 2 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 5 | 7 | 2 | 3 | 0 | 0 | 6 | 2 | 4 | 5 | 0 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 7 | 6 | 2 | 6 | 7 | 9 | 4 | 2 | 3 | 11 | 1 | 7 | 0 | 0 | 0 | 7 | 2 | 0 | 0 | 11 | 0 | 0 |
| 3 | 1 | 5 | 4 | 0 | 0 | 4 | 4 | 0 | 8 | 7 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 2 | 4 | 6 | 0 | 0 | 2 | 0 |
| 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 2 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 3 | 5 | 4 | 0 | 5 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| 2 | 1 | 3 | 4 | 4 | 4 | 3 | 0 | 10 | 6 | 12 | 2 | 3 | 1 | 4 | 8 | 9 | 4 | 7 | 9 | 4 | 6 | 10 | 0 | 6 | 3 | 6 | 4 | 3 | 11 | 8 | 0 | 3 | 6 | 4 | 0 | 2 |
| 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 2 | 0 | 7 | 4 | 3 | 4 | 3 | 0 | 4 | 0 | 4 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 5 | 2 | 0 | 8 | 7 | 5 | 3 | 9 | 5 | 7 | 1 | 3 | 5 | 3 | 7 | 10 | 11 | 8 | 5 | 0 | 3 | 0 | 0 | 4 | 4 | 4 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 4 | 2 | 4 | 2 | 1 | 2 | 0 | 2 | 7 | 3 | 5 | 0 | 4 | 4 | 0 | 0 | 10 | 2 | 3 | 4 | 5 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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| 0 | 0 | 0 | 0 | 4 | 0 | 3 | 0 | 4 | 3 | 2 | 0 | 2 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 7 | 4 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 |
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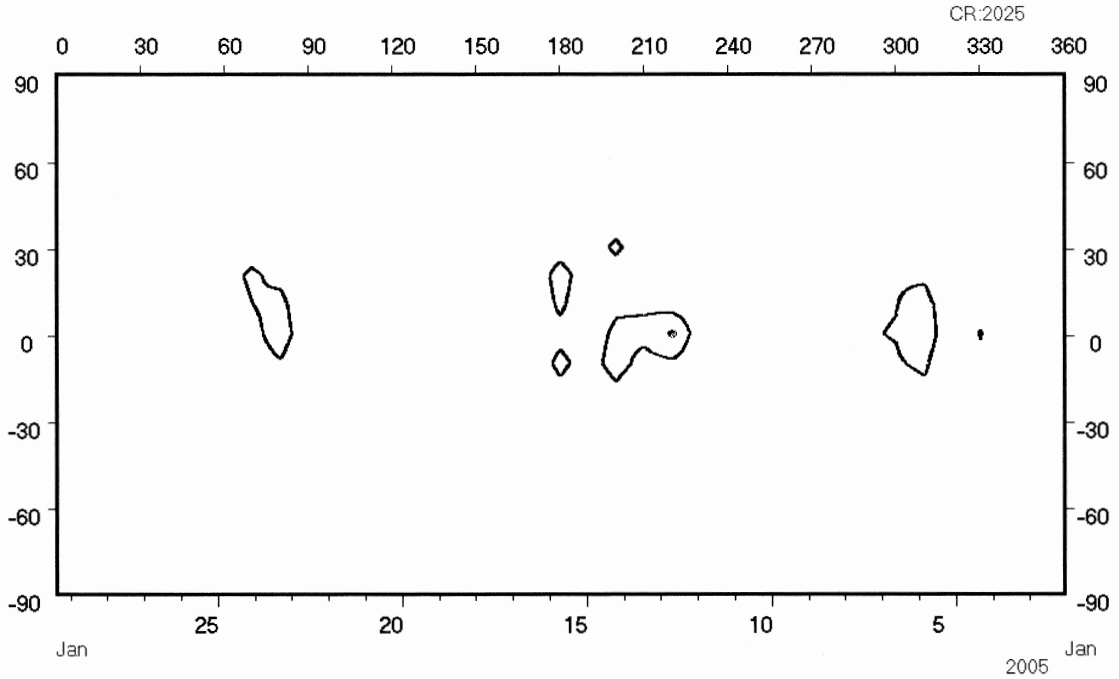
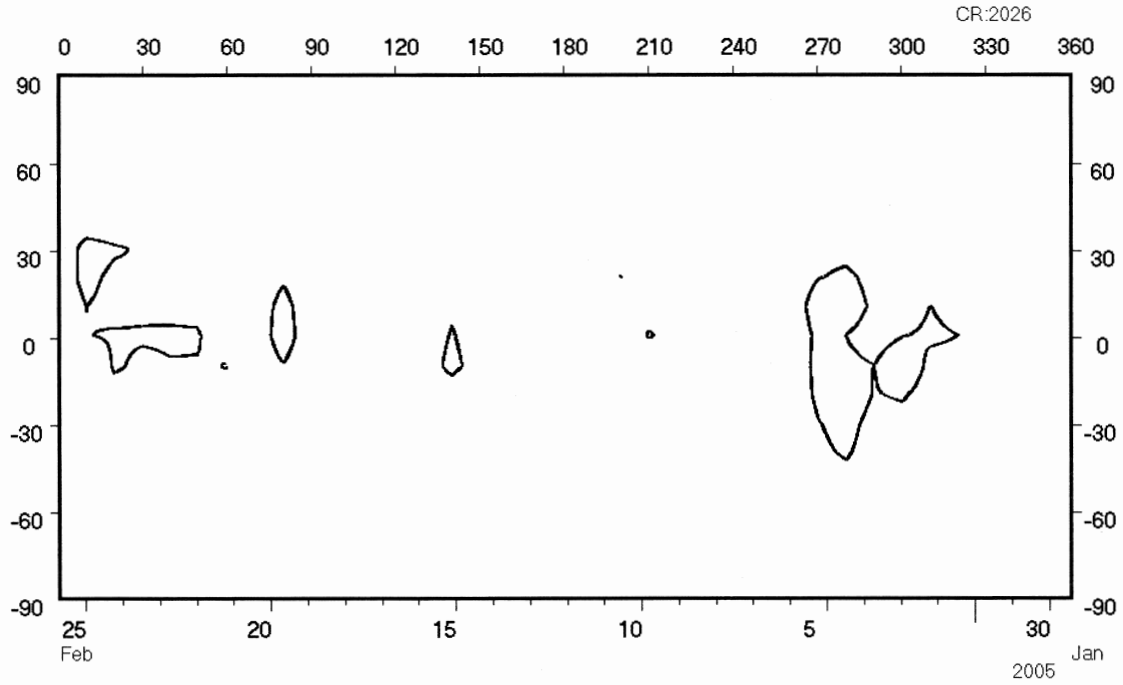
**Kislovodsk Solar Station of the Pulkovo Observatory**

**2005 – CR 2025**




**Kislovodsk Solar Station of the Pulkovo Observatory**

**2005 – CR 2026**



**Kislovodsk Solar Station of the Pulkovo Observatory**
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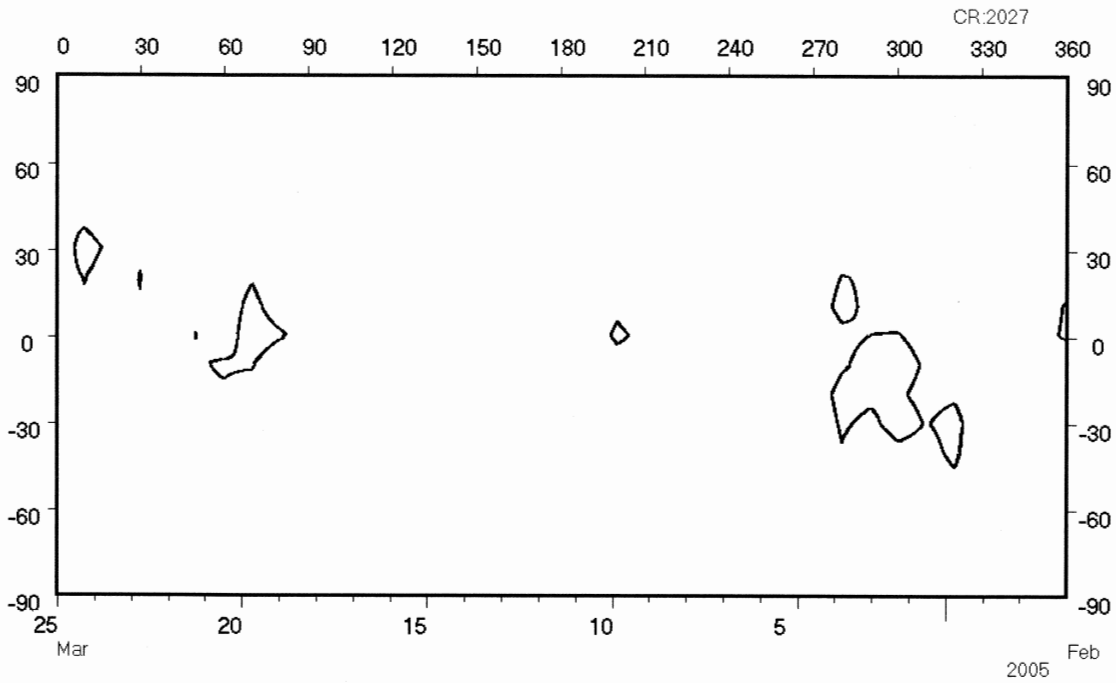


**Kislovodsk Solar Station of the Pulkovo Observatory**
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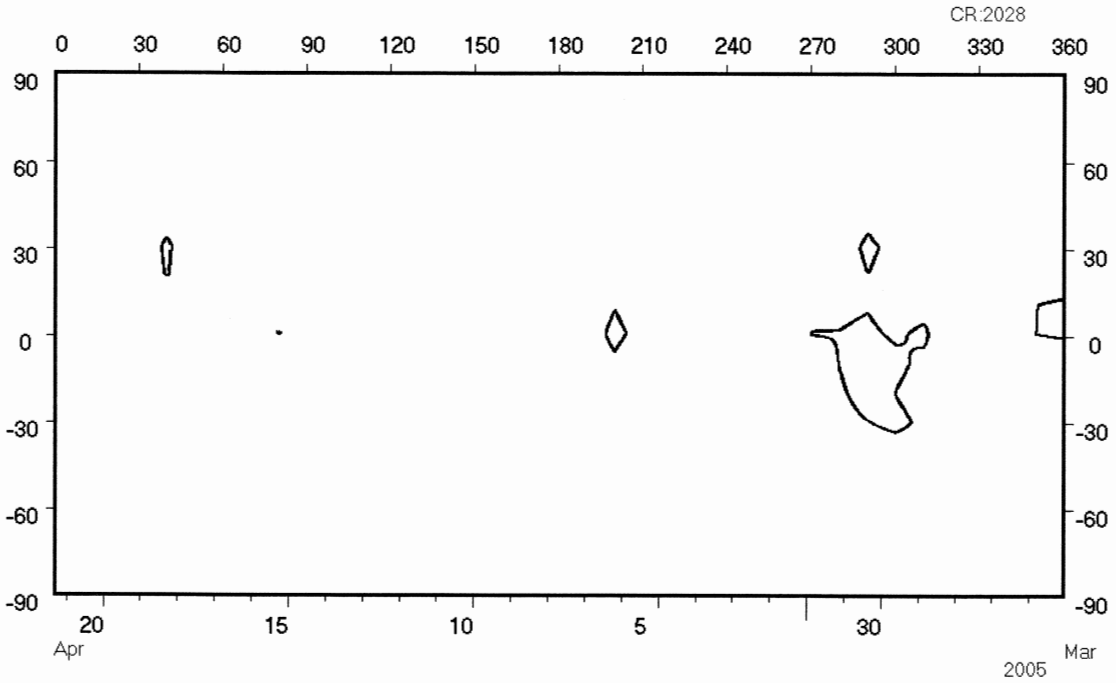

**Kislovodsk Solar Station of the Pulkovo Observatory**
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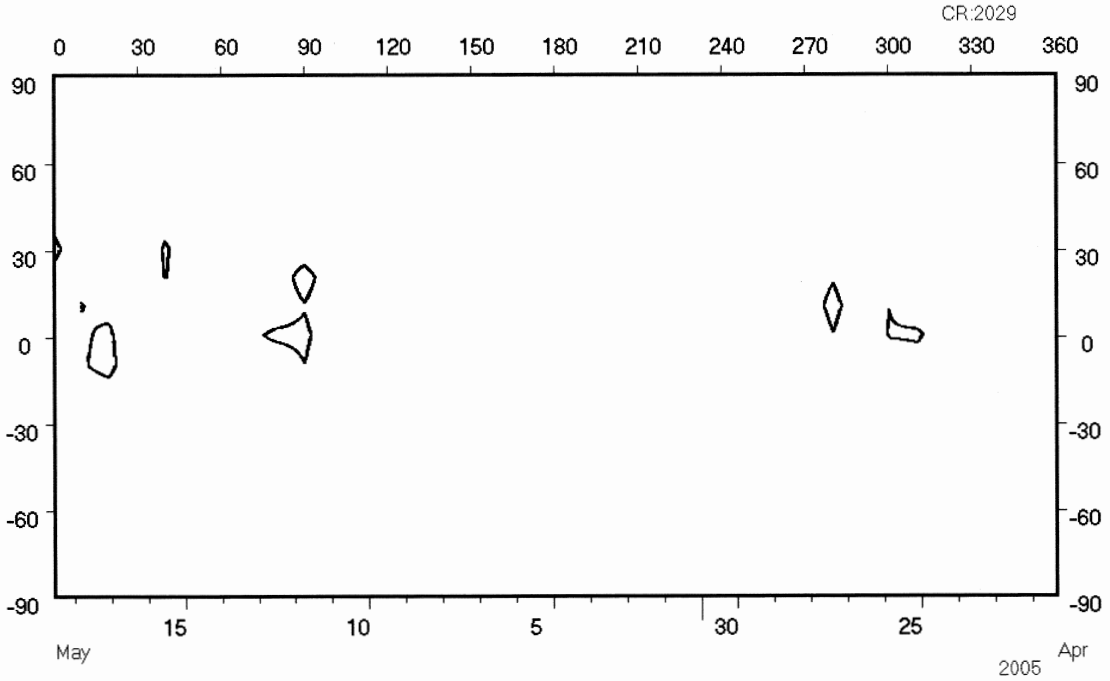
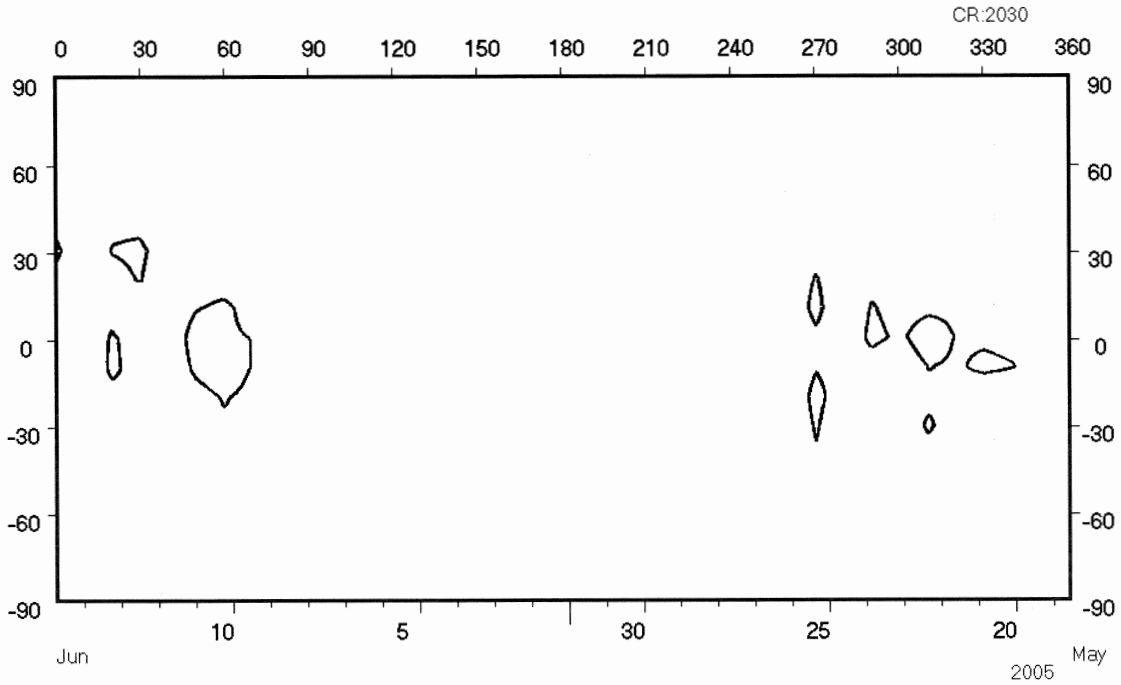



**Kislovodsk Solar Station of the Pulkovo Observatory**
**2005 – CR 2030**



**Kislovodsk Solar Station of the Pulkovo Observatory**
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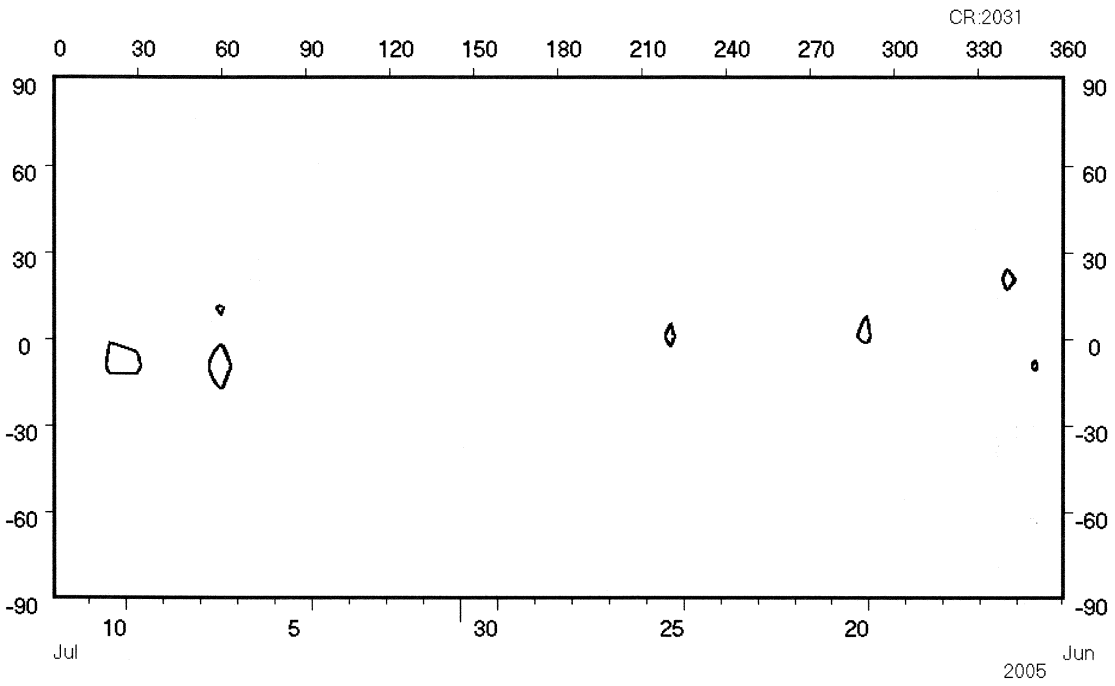


**Kislovodsk Solar Station of the Pulkovo Observatory**
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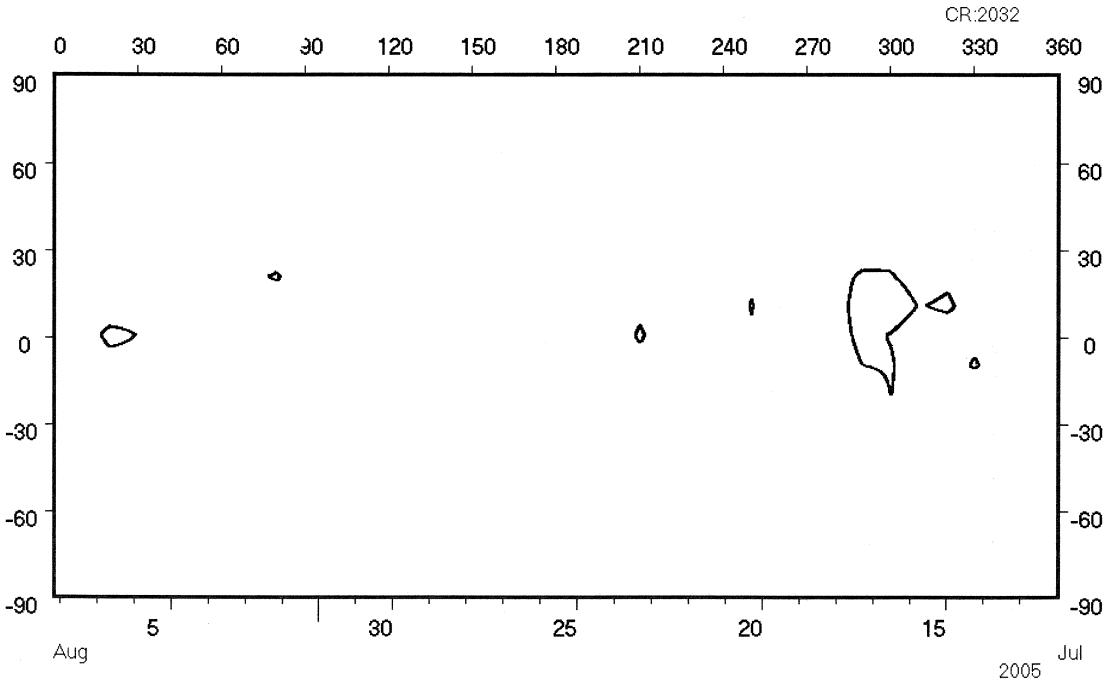

**Kislovodsk Solar Station of the Pulkovo Observatory**

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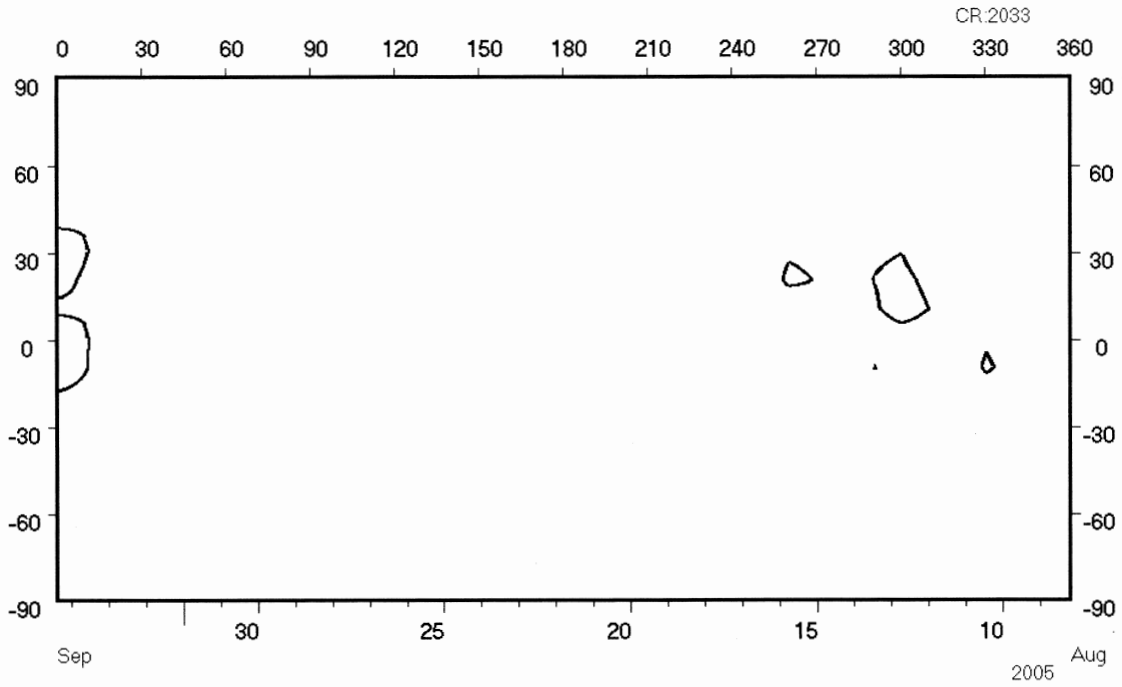


**Kislovodsk Solar Station of the Pulkovo Observatory**

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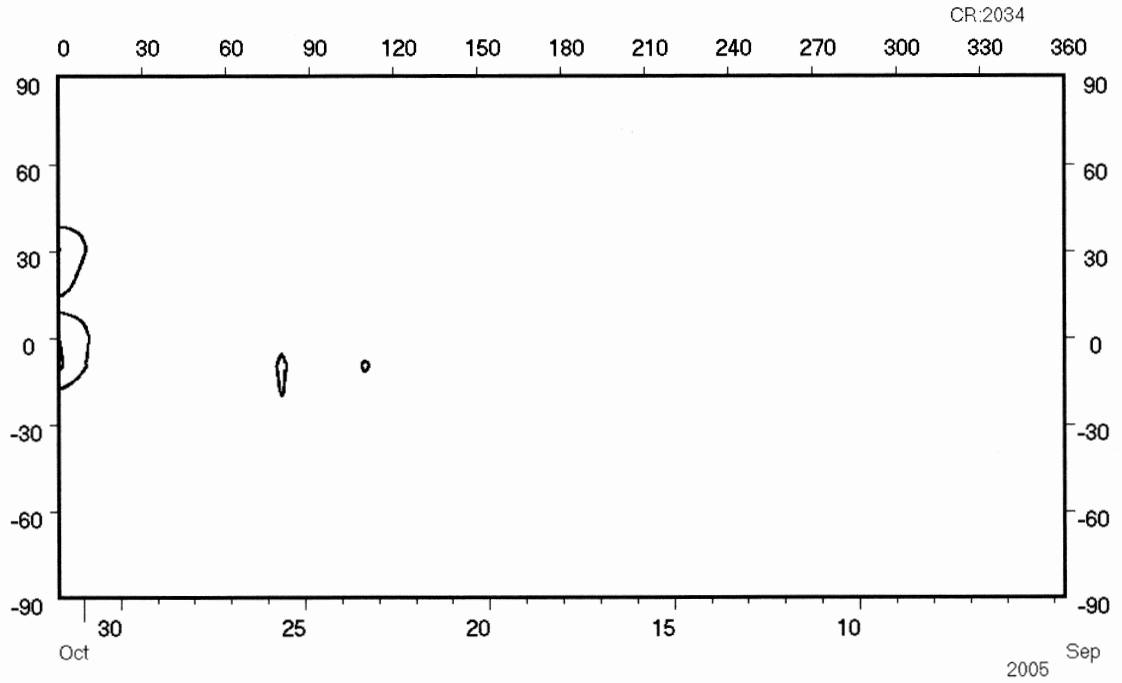

**Kislovodsk Solar Station of the Pulkovo Observatory**
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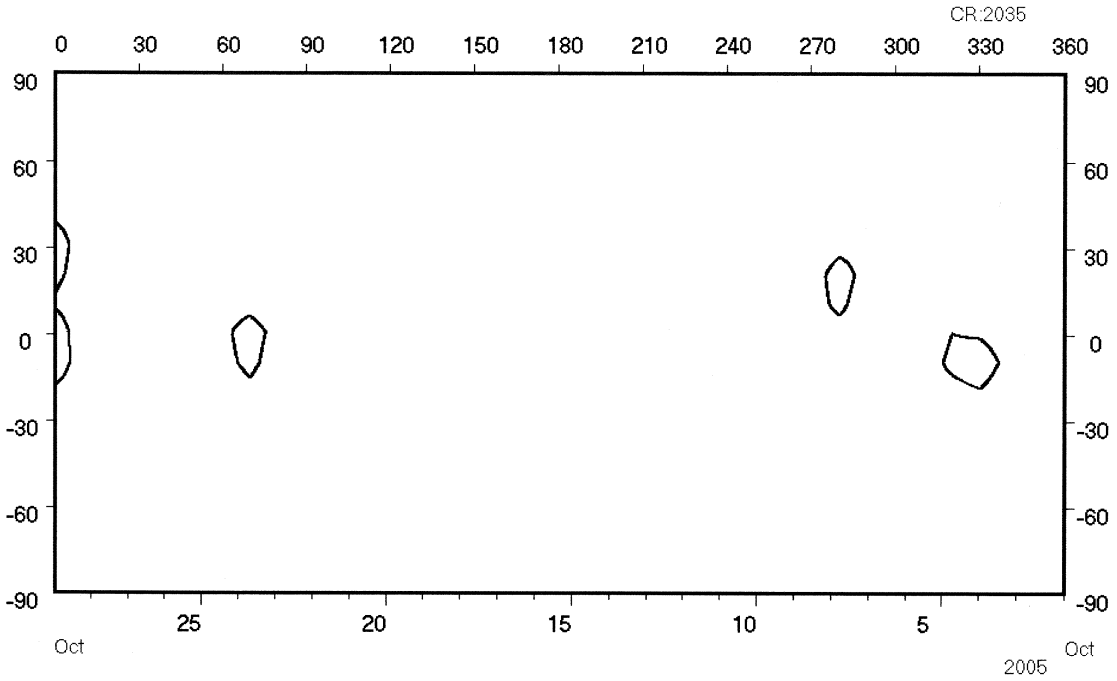


**Kislovodsk Solar Station of the Pulkovo Observatory**
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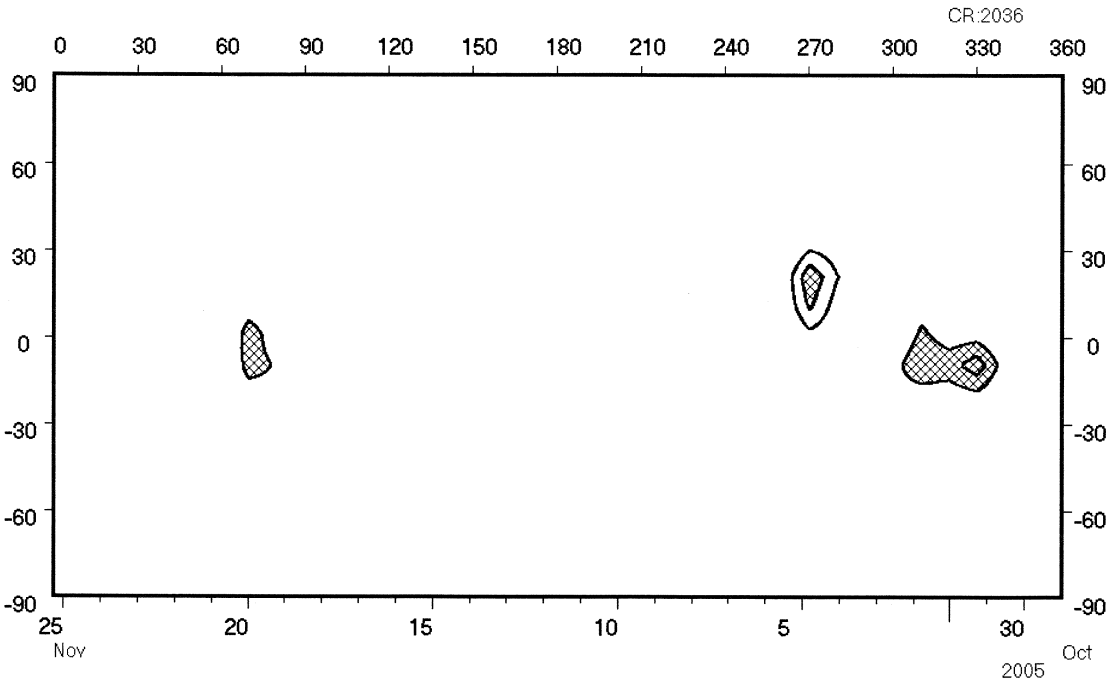

**Kislovodsk Solar Station of the Pulkovo Observatory**
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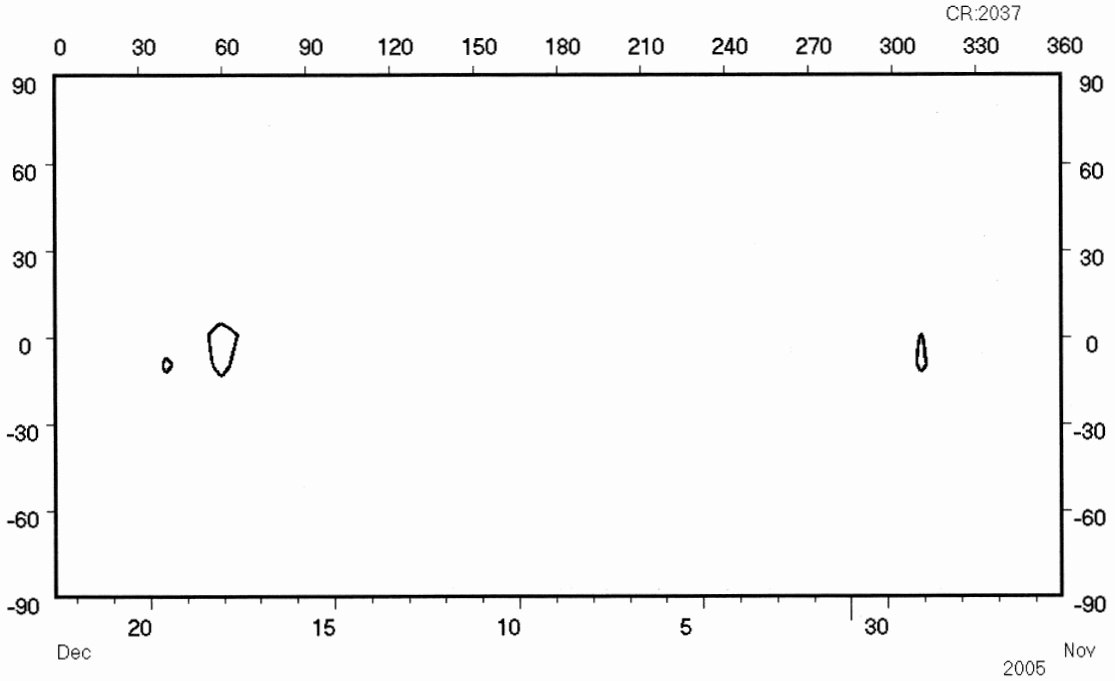

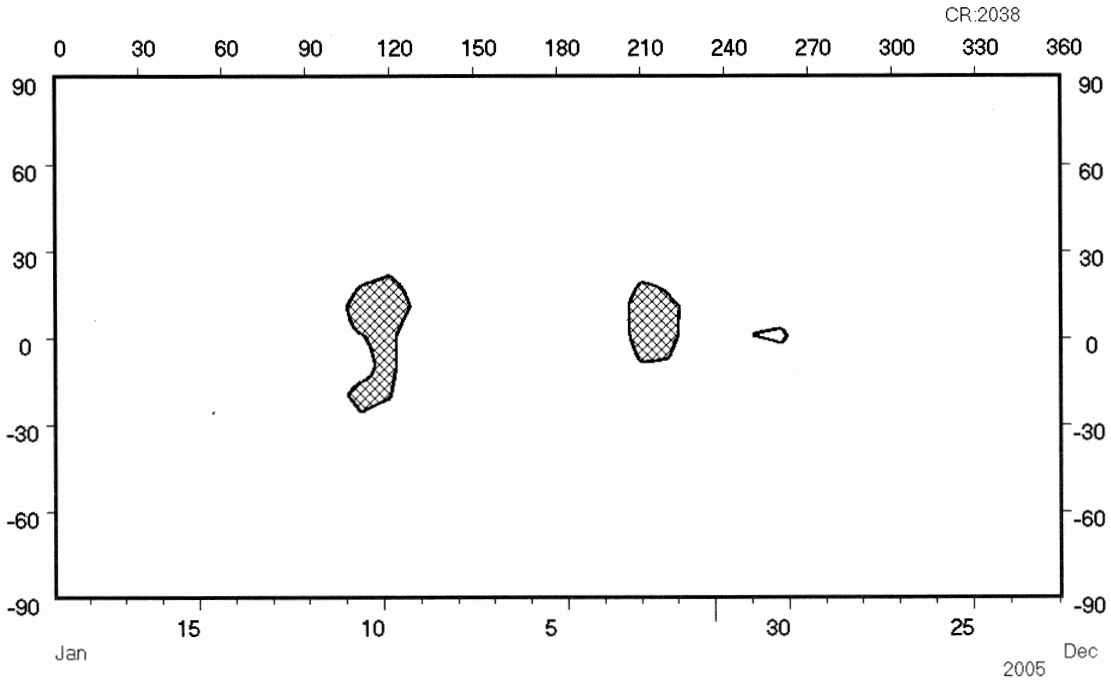
**Kislovodsk Solar Station of the Pulkovo Observatory**
**2005 – CR 2038**