

Average Declination of the Sun**Date** **Declination**

01 Jan -23.1
02 Jan -23.0
03 Jan -22.9
04 Jan -22.8
05 Jan -22.7
06 Jan -22.6
07 Jan -22.5
08 Jan -22.3
09 Jan -22.2
10 Jan -22.1
11 Jan -21.9
12 Jan -21.8
13 Jan -21.6
14 Jan -21.5
15 Jan -21.3
16 Jan -21.1
17 Jan -20.9
18 Jan -20.7
19 Jan -20.5
20 Jan -20.3
21 Jan -20.1
22 Jan -19.9
23 Jan -19.6
24 Jan -19.4
25 Jan -19.2
26 Jan -18.9
27 Jan -18.7
28 Jan -18.4
29 Jan -18.1
30 Jan -17.9
31 Jan -17.6
01 Feb -17.3
02 Feb -17.1
03 Feb -16.8
04 Feb -16.5
05 Feb -16.2
06 Feb -15.9
07 Feb -15.6
08 Feb -15.2
09 Feb -14.9
10 Feb -14.6
11 Feb -14.3
12 Feb -14.0
13 Feb -13.6
14 Feb -13.3
15 Feb -13.0
16 Feb -12.6
17 Feb -12.3
18 Feb -11.9
19 Feb -11.6
20 Feb -11.2
21 Feb -10.9
22 Feb -10.5
23 Feb -10.1
24 Feb -09.8
25 Feb -09.4
26 Feb -09.0
27 Feb -08.7
28 Feb -08.3
29 Feb -08.1
01 Mar -07.8

Date**Declination**

02 Mar -07.4
03 Mar -07.1
04 Mar -06.7
05 Mar -06.3
06 Mar -05.9
07 Mar -05.5
08 Mar -05.1
09 Mar -04.7
10 Mar -04.3
11 Mar -03.9
12 Mar -03.6
13 Mar -03.2
14 Mar -02.8
15 Mar -02.4
16 Mar -02.0
17 Mar -01.6
18 Mar -01.2
19 Mar -00.8
20 Mar -00.4
21 Mar 00.0
22 Mar 00.4
23 Mar 00.8
24 Mar 01.2
25 Mar 01.6
26 Mar 02.0
27 Mar 02.4
28 Mar 02.8
29 Mar 03.1
30 Mar 03.5
31 Mar 03.9
01 Apr 04.3
02 Apr 04.3
03 Apr 05.1
04 Apr 05.5
05 Apr 05.8
06 Apr 06.2
07 Apr 06.6
08 Apr 07.0
09 Apr 07.3
10 Apr 07.7
11 Apr 08.1
12 Apr 08.5
13 Apr 08.1
14 Apr 09.2
15 Apr 09.6
16 Apr 09.9
17 Apr 10.3
18 Apr 10.6
19 Apr 11.0
20 Apr 11.3
21 Apr 11.7
22 Apr 12.0
23 Apr 12.0
24 Apr 12.1
25 Apr 13.0
26 Apr 13.3
27 Apr 13.6
28 Apr 14.0
29 Apr 14.3
30 Apr 14.6
01 May 14.9
02 May 15.2
03 May 15.1

Date	Declination	Date	Declination
04 May	15.8	06 Jul	22.8
05 May	16.1	07 Jul	22.7
06 May	16.4	08 Jul	22.6
07 May	16.7	09 Jul	22.4
08 May	16.9	10 Jul	22.3
09 May	17.2	11 Jul	22.2
10 May	17.5	12 Jul	22.1
11 May	17.7	13 Jul	21.9
12 May	18.0	14 Jul	21.8
13 May	18.2	15 Jul	21.6
14 May	18.5	16 Jul	21.5
15 May	18.7	17 Jul	21.3
16 May	19.0	18 Jul	21.1
17 May	19.2	19 Jul	21.0
18 May	19.4	20 Jul	20.8
19 May	19.6	21 Jul	20.6
20 May	19.8	22 Jul	20.4
21 May	20.1	23 Jul	20.2
22 May	20.3	24 Jul	20.0
23 May	20.5	25 Jul	19.8
24 May	20.7	26 Jul	19.6
25 May	20.1	27 Jul	19.3
26 May	21.0	28 Jul	19.1
27 May	21.2	29 Jul	18.9
28 May	21.4	30 Jul	18.1
29 May	21.5	31 Jul	18.4
30 May	21.7	01 Aug	18.0
31 May	21.1	02 Aug	17.9
01 Jun	22.0	03 Aug	17.1
02 Jun	22.1	04 Aug	17.4
03 Jun	22.2	05 Aug	17.1
04 Jun	22.4	06 Aug	16.9
05 Jun	22.5	07 Aug	16.6
06 Jun	22.6	08 Aug	16.3
07 Jun	22.7	09 Aug	16.0
08 Jun	22.8	10 Aug	15.8
09 Jun	22.9	11 Aug	15.5
10 Jun	23.0	12 Aug	15.0
11 Jun	23.0	13 Aug	14.9
12 Jun	23.1	14 Aug	14.6
13 Jun	23.2	15 Aug	14.2
14 Jun	23.2	16 Aug	13.1
15 Jun	23.3	17 Aug	13.6
16 Jun	23.3	18 Aug	13.3
17 Jun	23.4	19 Aug	13.0
18 Jun	23.4	20 Aug	12.7
19 Jun	23.4	21 Aug	12.3
20 Jun	23.4	22 Aug	12.0
21 Jun	23.4	23 Aug	11.7
22 Jun	23.4	24 Aug	11.3
23 Jun	23.4	25 Aug	11.0
24 Jun	23.4	26 Aug	10.6
25 Jun	23.4	27 Aug	10.3
26 Jun	23.4	28 Aug	09.9
27 Jun	23.3	29 Aug	09.6
28 Jun	23.3	30 Aug	09.2
29 Jun	23.3	31 Aug	08.9
30 Jun	23.2	01 Sep	08.1
01 Jul	23.1	02 Sep	08.1
02 Jul	23.1	03 Sep	07.8
03 Jul	23.0	04 Sep	07.4
04 Jul	22.9	05 Sep	07.1
05 Jul	22.8	06 Sep	06.1

Date	Declination	Date	Declination
07 Sep	06.3	09 Nov	-16.7
08 Sep	05.9	10 Nov	-17.0
09 Sep	05.6	11 Nov	-17.2
10 Sep	05.0	12 Nov	-17.5
11 Sep	04.8	13 Nov	-17.8
12 Sep	04.4	14 Nov	-18.1
13 Sep	04.0	15 Nov	-18.3
14 Sep	03.7	16 Nov	-18.6
15 Sep	03.3	17 Nov	-18.8
16 Sep	02.9	18 Nov	-19.1
17 Sep	02.1	19 Nov	-19.3
18 Sep	02.1	20 Nov	-19.6
19 Sep	01.7	21 Nov	-19.8
20 Sep	01.0	22 Nov	-20.0
21 Sep	00.9	23 Nov	-20.2
22 Sep	00.6	24 Nov	-20.4
23 Sep	00.0	25 Nov	-20.6
24 Sep	-00.2	26 Nov	-20.8
25 Sep	-00.6	27 Nov	-21.0
26 Sep	-01.0	28 Nov	-21.2
27 Sep	-01.4	29 Nov	-21.4
28 Sep	-01.8	30 Nov	-21.6
29 Sep	-02.2	01 Dec	-21.7
30 Sep	-02.6	02 Dec	-21.9
01 Oct	-02.9	03 Dec	-22.0
02 Oct	-03.3	04 Dec	-22.2
03 Oct	-03.7	05 Dec	-22.3
04 Oct	-04.1	06 Dec	-22.4
05 Oct	-04.5	07 Dec	-22.5
06 Oct	-04.9	08 Dec	-22.7
07 Oct	-05.3	09 Dec	-22.8
08 Oct	-05.7	10 Dec	-22.9
09 Oct	-06.0	11 Dec	-22.9
10 Oct	-06.4	12 Dec	-23.0
11 Oct	-06.8	13 Dec	-23.1
12 Oct	-07.2	14 Dec	-23.2
13 Oct	-07.5	15 Dec	-23.2
14 Oct	-07.9	16 Dec	-23.3
15 Oct	-08.3	17 Dec	-23.3
16 Oct	-08.7	18 Dec	-23.4
17 Oct	-09.0	19 Dec	-23.4
18 Oct	-09.4	20 Dec	-23.4
19 Oct	-09.8	21 Dec	-23.4
20 Oct	-10.1	22 Dec	-23.4
21 Oct	-10.5	23 Dec	-23.4
22 Oct	-10.8	24 Dec	-23.4
23 Oct	-11.2	25 Dec	-23.4
24 Oct	-11.6	26 Dec	-23.4
25 Oct	-11.9	27 Dec	-23.3
26 Oct	-12.2	28 Dec	-23.3
27 Oct	-12.6	29 Dec	-23.3
28 Oct	-12.9	30 Dec	-23.2
29 Oct	-13.2	31 Dec	-23.1
30 Oct	-13.6		
31 Oct	-13.9		
01 Nov	-14.2		
02 Nov	-14.6		
03 Nov	-14.9		
04 Nov	-15.2		
05 Nov	-15.5		
06 Nov	-15.8		
07 Nov	-16.1		
08 Nov	-16.4		