

SUN'S DECLINATION.

DAY.	JANY. S	FEB. S	MAR. S	APRIL. N	MAY N	JUNE N	JULY N	AUG. N	SEP N	OCT. S	NOV. S	DEC. S
1	22 59	16 58	7 25	4 42	15 11	22 7	23 6	17 57	8 10	3 20	14 34	21 53
2	22 53	16 41	7 3	5 5	15 29	22 15	23 2	17 42	7 48	3 43	14 53	22 2
3	22 47	16 24	6 40	5 28	15 47	22 22	22 57	17 27	7 26	4 6	15 12	22 11
4	22 41	16 6	6 17	5 51	16 4	22 29	22 52	17 11	7 4	4 29	15 30	22 19
5	22 34	15 48	5 53	6 14	16 21	22 36	22 47	16 54	6 42	4 52	15 48	22 26
6	22 27	15 29	5 30	6 36	16 37	22 42	22 41	16 38	6 20	5 15	16 6	22 33
7	22 20	15 10	5 7	6 59	16 54	22 48	22 35	16 21	5 57	5 38	16 24	22 40
8	22 12	14 52	4 43	7 21	17 11	22 53	22 28	16 4	5 35	6 1	16 42	22 47
9	22 3	14 33	4 20	7 43	17 27	22 58	22 21	15 47	5 12	6 24	16 59	22 53
10	21 54	14 13	3 56	8 5	17 43	23 3	22 13	15 29	4 49	6 47	17 16	22 58
11	21 45	13 53	3 34	8 27	17 58	23 7	22 5	15 12	4 26	7 10	17 33	23 3
12	21 35	13 33	3 10	8 49	18 14	23 11	21 57	14 54	4 3	7 32	17 49	23 8
13	21 25	13 13	2 46	9 11	18 28	23 15	21 48	14 35	3 41	7 55	18 5	23 12
14	21 14	12 53	2 22	9 33	18 43	23 18	21 39	14 17	3 17	8 17	18 21	23 15
15	21 3	12 32	1 58	9 54	18 57	23 21	21 30	13 58	2 54	8 39	18 36	23 18
16	20 52	12 11	1 35	10 16	19 11	23 23	21 21	13 39	2 31	9 2	18 51	23 21
17	20 40	11 50	1 11	10 37	19 25	23 25	21 11	13 20	2 9	9 24	19 6	23 23
18	20 28	11 29	0 48	10 57	19 38	23 26	21 0	13 1	1 45	9 45	19 21	23 25
19	20 15	11 7	0 24	11 18	19 51	23 27	20 49	12 41	1 21	10 7	19 35	23 26
20	20 2	10 46	0 0	11 38	20 3	23 27	20 38	12 22	0 57	10 29	19 48	23 27
21	19 49	10 24	N 23	11 59	20 16	23 28	20 26	12 1	0 34	10 50	20 1	23 28
22	19 35	10 2	0 47	12 19	20 28	23 27	20 14	11 41	N 11	11 12	20 14	23 27
23	19 21	9 40	1 11	12 39	20 39	23 26	20 2	11 21	8 12	11 33	20 27	23 27
24	19 6	9 18	1 34	12 59	20 50	23 25	19 49	10 36	1 0	11 54	20 39	23 26
25	18 52	8 56	1 58	13 18	21 1	23 24	19 37	10 40	0 59	12 14	20 51	23 24
26	18 36	8 33	2 22	13 38	21 12	23 22	19 24	10 19	1 23	12 35	21 2	23 22
27	18 21	8 11	2 45	13 57	21 22	23 20	19 10	9 58	1 46	12 55	21 13	23 20
28	18 5	7 48	3 9	14 16	21 32	23 17	18 56	9 37	2 9	13 15	21 24	23 17
29	17 49		3 32	14 35	21 41	23 14	18 42	9 15	2 33	13 35	21 34	23 13
30	17 33		3 55	14 53	21 50	23 10	18 27	8 54	2 56	13 55	21 44	23 9
31	17 16		4 18		21 58		18 12	8 32		14 15		23 5

The Sun's Declination for Saint John may serve at sea to find the Latitude by Single and Double Altitudes, and the Longitude by Chronometer, by reducing as follows:

When Declination is increasing, add West of St. John, subtract East of St. John.
 " " is decreasing, subtract West of St. John, add East of St. John.

Example.—Required the Declination at noon March 1st, 1853, in Long. 36° W.

Sun's Declination March 1st, ... 7° 25' S.

Variation of Dec. Table XI. Norie, 30° East of St. John, add 2

Dec. noon March 1st, in Long 36° W., ... 7° 27' S.

EQUINOXES and SOLSTICES.—Mean Time at St. John.

	H.	M.
Winter Solstice, ☉ enters ♋, Winter begins	Dec. 21, 1852,	at 10 49 m.
Vernal Equinox, ☉ enters ♈, Spring "	Mar. 20, 1853,	at 0 1 af.
Summer Solstice ☉ enters ☊, Summer "	June 21, "	at 8 59 m.
Autumnal Equinox ☉ enters ☎, Autumn "	Sept. 22, "	at 11 12 af.
Winter Solstice, ☉ enters ♋, Winter "	Dec. 21, "	at 4 48 af.

Chronological Cycles.—Dominical Letter, B; Golden Number, or Lunar Cycle, 11; Epact, 20; Solar Cycle, 14; Roman Indiction, 11; Julian Period, 6566.

DAYS.	JAN.
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