

2021 Solar Declination and Equation of Time at 12:00 GMT © The British Sundial Society

Day	January				February				March				April				May				June				
	Declination	m	s	Moon	Declination	m	s	Moon	Declination	m	s	Moon	Declination	m	s	Moon	Declination	m	s	Moon	Declination	m	s	Moon	Day
1	-22°27'26"	3	39		-18°18'18"	13	34		12 15	4°44'05"	3	46		19°51'34"	15	57		22°07'07"	2	00		22°07'14"	2	00	1
2	-22°25'02"	4	07		-18°16'56"	13	41		12 03	5°07'05"	3	28		19°49'15"	15	04		22°14'14"	2	00		22°14'14"	2	00	2
3	-22°22'22"	4	34		-18°15'22"	13	48		11 50	5°30'35"	3	11		18°41'51"	10	59	19:50	22°22'22"	2	00	19:50	22°22'22"	2	00	3
4	-22°19'49"	5	10		-18°13'53"	13	53	17:37	11 37	5°53'55"	2	53	10:02	17°28'46"	9	16		22°29'29"	2	00		22°29'29"	2	00	4
5	-22°17'17"	5	28		-18°12'22"	13	58		11 24	6°18'15"	2	36		17°13'37"	8	21		22°36'36"	2	00		22°36'36"	2	00	5
6	-22°14'44"	6	06	00:37	-18°10'55"	14	02		11 10	6°48'28"	2	19		16°00'19"	7	04		22°43'43"	2	00		22°43'43"	2	00	6
7	-22°12'12"	6	20		-18°09'22"	14	06		10 55	7°18'39"	2	02		14°44'54"	6	29		22°50'50"	2	00		22°50'50"	2	00	7
8	-22°09'41"	6	32		-18°07'56"	14	08		10 41	7°48'50"	1	46		13°30'28"	5	33		22°58'58"	2	00		22°58'58"	2	00	8
9	-22°07'10"	7	04		-18°06'30"	14	10		10 26	8°19'03"	1	21		12°15'17"	4	26		23°06'06"	2	00		23°06'06"	2	00	9
10	-22°04'39"	7	17		-18°05'04"	14	11		10 11	8°49'36"	1	13		10°59'51"	3	18		23°13'13"	2	00		23°13'13"	2	00	10
11	-22°02'08"	7	29		-18°03'38"	14	11	09:06	9 55	9°20'08"	0	58		9°50'26"	2	11	19:00	23°20'20"	2	00	19:00	23°20'20"	2	00	11
12	-21°59'37"	8	10		-18°02'12"	14	10		9 40	9°50'39"	0	42	10:23	8°39'44"	1	04		23°27'27"	2	00		23°27'27"	2	00	12
13	-21°57'06"	8	22		-17°59'46"	14	10		9 25	10°21'10"	0	27		7°28'59"	0	41		23°34'34"	2	00		23°34'34"	2	00	13
14	-21°54'35"	8	34	00:00	-17°58'15"	14	09		9 10	10°51'41"	0	20		6°18'12"	0	34		23°41'41"	2	00		23°41'41"	2	00	14
15	-21°52'04"	9	06		-17°56'44"	14	07		8 55	11°22'12"	0	12		5°06'45"	0	27		23°48'48"	2	00		23°48'48"	2	00	15
16	-21°49'33"	9	18		-17°55'13"	14	04		8 40	11°52'43"	0	02		3°55'56"	0	19		23°55'55"	2	00		23°55'55"	2	00	16
17	-21°47'02"	9	30		-17°53'42"	14	10		8 25	12°23'14"	0	16		2°45'07"	0	06		24°02'02"	2	00		24°02'02"	2	00	17
18	-21°44'31"	10	02		-17°52'11"	14	00		8 10	12°53'45"	0	09		1°34'18"	0	00		24°09'09"	2	00		24°09'09"	2	00	18
19	-21°42'00"	10	14		-17°50'40"	13	48	18:47	7 54	13°24'16"	0	03		0°23'29"	0	34		24°16'16"	2	00	18:47	24°16'16"	2	00	19
20	-21°39'29"	10	26		-17°49'09"	13	46		7 41	13°54'47"	0	00		0°12'44"	0	28		24°23'23"	2	00		24°23'23"	2	00	20
21	-21°36'58"	11	08	21:02	-17°47'38"	13	40		7 27	14°25'18"	0	00	06:59	0°02'02"	0	22	19:13	24°30'30"	2	00	19:13	24°30'30"	2	00	21
22	-21°34'27"	11	20		-17°46'07"	13	33		7 12	14°55'49"	0	00		0°09'09"	0	15		24°37'37"	2	00		24°37'37"	2	00	22
23	-21°31'56"	11	32		-17°44'36"	13	25		6 57	15°26'20"	0	00		0°16'16"	0	08		24°44'44"	2	00		24°44'44"	2	00	23
24	-21°29'25"	12	04		-17°43'05"	13	17		6 42	15°56'51"	0	00		0°23'23"	0	01		24°51'51"	2	00		24°51'51"	2	00	24
25	-21°26'54"	12	16		-17°41'34"	13	08		6 27	16°27'22"	0	00		0°30'30"	0	00		24°59'09"	2	00		24°59'09"	2	00	25
26	-21°24'23"	12	28		-17°40'03"	12	58		6 12	16°57'53"	0	00		0°37'37"	0	00		25°06'16"	2	00		25°06'16"	2	00	26
27	-21°21'52"	12	40		-17°38'32"	12	48		5 57	17°28'24"	0	00		0°44'44"	0	00	11:14	25°13'23"	2	00	11:14	25°13'23"	2	00	27
28	-21°19'21"	12	52		-17°37'01"	12	38	08:17	5 42	17°58'55"	0	00	03:31	0°51'51"	0	00		25°20'30"	2	00		25°20'30"	2	00	28
29	-21°16'50"	13	04	08:16	-17°35'30"	12	27		5 27	18°29'26"	0	00		0°59'09"	0	00		25°27'37"	2	00		25°27'37"	2	00	29
30	-21°14'19"	13	16		-17°34'00"	12	17		5 12	19°00'00"	0	00		1°06'06"	0	00		25°34'44"	2	00		25°34'44"	2	00	30
31	-21°11'48"	13	28		-17°32'29"	12	07		4 57	19°30'71"	0	00		1°13'13"	0	00		25°41'51"	2	00		25°41'51"	2	00	31

New Moon
 First Quarter
 Full Moon
 Last Quarter
 Perihelion: January 2nd, 14h Spring equinox: March 20, 09:37 Summer solstice: June 21, 03:32

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Day	July				August				September				October				November				December				
	Declination	m	s	Moon	Declination	m	s	Moon	Declination	m	s	Moon	Declination	m	s	Moon	Declination	m	s	Moon	Declination	m	s	Moon	
1	23°04'12"	3	54	21:11	17°34'41"	6	18		8°05'38"	-0°08'	0	06		-3°22'51"	-10	27		-14°35'06"	-16	28		-21°52'28"	-10	57	
2	22°56'46"	4	05		17°20'00"	6	09		7°21'45"	-0°45'	0	09		-4°09'16"	-11	05		-15°12'50"	-16	29		-22°01'23"	-10	34	
3	22°49'41"	4	17		17°06'02"	6	03		6°37'22"	-1°01'	0	10		-4°32'25"	-11	23		-15°31'19"	-16	28	21:15	-22°17'57"	-9	46	07:43
4	22°42'02"	4	27		16°49'48"	5	57		6°37'22"	-1°25'	0	15		-5°15'35"	-11	41		-15°49'34"	-16	26		-22°35'55"	-9	21	
5	22°38'00"	4	37		16°33'17"	5	51		6°15'01"	-1°45'	0	25		-6°18'32"	-11	59	11:05	-16°07'33"	-16	24		-22°52'47"	-8	56	
6	22°31'35"	4	47		16°16'31"	5	44		5°52'33"	-2°05'	0	40	00:52	-7°12'33"	-12	16		-16°25'15"	-16	21		-22°39'33"	-8	30	
7	22°24'46"	4	57		15°59'28"	5	36	13:50	5°30'00"	-2°26'	0	45		-8°04'23"	-12	33		-16°42'41"	-16	16		-22°45'51"	-8	04	
8	22°17'34"	5	06		15°42'10"	5	28		5°07'21"	-2°47'	0	50		-8°27'12"	-12	49		-16°59'50"	-16	12		-22°51'43"	-7	37	
9	22°10'58"	5	15	01:17	15°24'37"	5	19		4°44'37"	-3°08'	0	55		-9°49'55"	-13	05		-17°16'42"	-16	06		-22°57'08"	-7	10	
10	22°02'00"	5	24		15°06'50"	5	09		4°21'48"	-3°29'	0	59		-10°25'06"	-13	21		-17°33'15"	-15	59	12:46	-23°02'06"	-6	42	01:31
11	22°53'39"	5	32		14°48'47"	4	59		3°58'54"	-3°50'	0	59		-10°59'31"	-13	36		-17°49'31"	-15	52		-23°06'36"	-6	14	
12	21°44'56"	5	47		14°30'31"	4	48		3°35'57"	-4°11'	0	50	20:39	-11°50'27"	-13	50	03:25	-18°05'27"	-15	44		-23°10'39"	-5	46	
13	21°36'50"	5	54		14°12'01"	4	37		3°12'55"	-4°32'	0	32		-12°19'49"	-14	04		-18°21'05"	-15	34		-23°14'13"	-5	17	
14	21°28'23"	6	00		13°54'20"	4	25	15:20	2°49'50"	-4°54'	0	18		-13°36'23"	-14	18		-18°36'23"	-15	25		-23°17'20"	-4	49	
15	21°16'33"	6	06		13°34'20"	4	13		2°26'43"	-5°15'	0	15		-14°04'04"	-14	31		-18°51'22"	-15	14		-23°20'00"	-4	20	
16	21°06'22"	6	11	10:11	13°15'11"	4	00		2°03'32"	-5°37'	0	02		-14°26'00"	-14	43		-19°06'00"	-15	02		-23°22'11"	-3	50	
17	20°56'49"	6	15		12°55'49"	3	47		1°40'19"	-5°58'	0	05		-14°55'55"	-14	55		-19°20'18"	-14	50		-23°23'54"	-3	21	
18	20°44'55"	6	19		12°36'14"	3																			