

Twice Yearly Solar Proxies for Minor Lunar Standstill Postions



Archaeoastronomy
Database

Website: <http://www.exploreplanet.net/archaeoastronomy.html>

YouTube: https://www.youtube.com/channel/UCf2OPo2Nz91718v1S9o_nFQ

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Using the sun as a proxy for the position of the moon during minor lunar standstill can occur twice each year for northern and southern positions by calculating solar declination values that match lunar declination values for a given latitude by adjusting for lunar parallax. These dates should apply to any year within about 1 day.

5000 BC (Axial Tilt: 24.15°)

latitude	Southern Minor Lunar Standstill -19.01°	Northern Minor Lunar Standstill 19.01°		
65	20-Nov-2020	20-Jan-2021	11-May-2021	31-Jul-2021
60	20-Nov-2020	20-Jan-2021	11-May-2021	31-Jul-2021
55	19-Nov-2020	20-Jan-2021	11-May-2021	30-Jul-2021
50	19-Nov-2020	20-Jan-2021	12-May-2021	30-Jul-2021
45	19-Nov-2020	21-Jan-2021	12-May-2021	30-Jul-2021
40	19-Nov-2020	21-Jan-2021	12-May-2021	30-Jul-2021
35	18-Nov-2020	21-Jan-2021	12-May-2021	29-Jul-2021
30	18-Nov-2020	22-Jan-2021	13-May-2021	29-Jul-2021
25	18-Nov-2020	22-Jan-2021	13-May-2021	29-Jul-2021
20	17-Nov-2020	22-Jan-2021	13-May-2021	28-Jul-2021
15	17-Nov-2020	23-Jan-2021	14-May-2021	28-Jul-2021
10	17-Nov-2020	23-Jan-2021	14-May-2021	28-Jul-2021
5	16-Nov-2020	24-Jan-2021	14-May-2021	27-Jul-2021
0	16-Nov-2020	24-Jan-2021	15-May-2021	27-Jul-2021
-5	16-Nov-2020	24-Jan-2021	15-May-2021	26-Jul-2021
-10	15-Nov-2020	25-Jan-2021	15-May-2021	26-Jul-2021
-15	15-Nov-2020	25-Jan-2021	16-May-2021	26-Jul-2021
-20	15-Nov-2020	25-Jan-2021	16-May-2021	25-Jul-2021
-25	14-Nov-2020	26-Jan-2021	16-May-2021	25-Jul-2021
-30	14-Nov-2020	26-Jan-2021	17-May-2021	25-Jul-2021
-35	14-Nov-2020	26-Jan-2021	17-May-2021	24-Jul-2021
-40	13-Nov-2020	27-Jan-2021	17-May-2021	24-Jul-2021
-45	13-Nov-2020	27-Jan-2021	18-May-2021	24-Jul-2021
-50	13-Nov-2020	27-Jan-2021	18-May-2021	23-Jul-2021

4000 BC (Axial Tilt: 24.1°)

latitude	Southern Minor Lunar Standstill -18.96°	Northern Minor Lunar Standstill 18.96°		
65	20-Nov-2020	20-Jan-2021	11-May-2021	31-Jul-2021
60	19-Nov-2020	20-Jan-2021	11-May-2021	31-Jul-2021
55	19-Nov-2020	20-Jan-2021	11-May-2021	31-Jul-2021
50	19-Nov-2020	21-Jan-2021	11-May-2021	30-Jul-2021
45	19-Nov-2020	21-Jan-2021	12-May-2021	30-Jul-2021
40	18-Nov-2020	21-Jan-2021	12-May-2021	30-Jul-2021
35	18-Nov-2020	22-Jan-2021	12-May-2021	30-Jul-2021
30	18-Nov-2020	22-Jan-2021	12-May-2021	29-Jul-2021
25	17-Nov-2020	22-Jan-2021	13-May-2021	29-Jul-2021
20	17-Nov-2020	23-Jan-2021	13-May-2021	29-Jul-2021
15	17-Nov-2020	23-Jan-2021	13-May-2021	28-Jul-2021
10	16-Nov-2020	23-Jan-2021	14-May-2021	28-Jul-2021
5	16-Nov-2020	24-Jan-2021	14-May-2021	27-Jul-2021
0	16-Nov-2020	24-Jan-2021	14-May-2021	27-Jul-2021
-5	15-Nov-2020	24-Jan-2021	15-May-2021	27-Jul-2021
-10	15-Nov-2020	25-Jan-2021	15-May-2021	26-Jul-2021
-15	15-Nov-2020	25-Jan-2021	15-May-2021	26-Jul-2021
-20	14-Nov-2020	25-Jan-2021	16-May-2021	26-Jul-2021
-25	14-Nov-2020	26-Jan-2021	16-May-2021	25-Jul-2021
-30	14-Nov-2020	26-Jan-2021	17-May-2021	25-Jul-2021
-35	14-Nov-2020	26-Jan-2021	17-May-2021	24-Jul-2021
-40	13-Nov-2020	27-Jan-2021	17-May-2021	24-Jul-2021
-45	13-Nov-2020	27-Jan-2021	17-May-2021	24-Jul-2021
-50	13-Nov-2020	27-Jan-2021	18-May-2021	23-Jul-2021

3000 BC (Axial Tilt: 24.02°)

latitude	Southern Minor Lunar Standstill -18.87°	Northern Minor Lunar Standstill 18.87°		
65	19-Nov-2020	20-Jan-2021	10-May-2021	31-Jul-2021
60	19-Nov-2020	21-Jan-2021	11-May-2021	31-Jul-2021
55	19-Nov-2020	21-Jan-2021	11-May-2021	31-Jul-2021
50	19-Nov-2020	21-Jan-2021	11-May-2021	31-Jul-2021
45	18-Nov-2020	21-Jan-2021	11-May-2021	30-Jul-2021
40	18-Nov-2020	22-Jan-2021	11-May-2021	30-Jul-2021
35	18-Nov-2020	22-Jan-2021	12-May-2021	30-Jul-2021
30	17-Nov-2020	22-Jan-2021	12-May-2021	30-Jul-2021
25	17-Nov-2020	23-Jan-2021	12-May-2021	29-Jul-2021
20	17-Nov-2020	23-Jan-2021	13-May-2021	29-Jul-2021
15	16-Nov-2020	23-Jan-2021	13-May-2021	29-Jul-2021
10	16-Nov-2020	24-Jan-2021	13-May-2021	28-Jul-2021
5	16-Nov-2020	24-Jan-2021	14-May-2021	28-Jul-2021
0	15-Nov-2020	24-Jan-2021	14-May-2021	27-Jul-2021
-5	15-Nov-2020	25-Jan-2021	14-May-2021	27-Jul-2021
-10	15-Nov-2020	25-Jan-2021	15-May-2021	27-Jul-2021
-15	14-Nov-2020	25-Jan-2021	15-May-2021	26-Jul-2021
-20	14-Nov-2020	26-Jan-2021	15-May-2021	26-Jul-2021

2000 BC (Axial Tilt: 23.92°)

latitude	Southern Minor Lunar Standstill -18.78°	Northern Minor Lunar Standstill 18.78°		
65	19-Nov-2020	21-Jan-2021	10-May-2021	1-Aug-2021
60	19-Nov-2020	21-Jan-2021	10-May-2021	1-Aug-2021
55	18-Nov-2020	21-Jan-2021	10-May-2021	31-Jul-2021
50	18-Nov-2020	22-Jan-2021	11-May-2021	31-Jul-2021
45	18-Nov-2020	22-Jan-2021	11-May-2021	31-Jul-2021
40	18-Nov-2020	22-Jan-2021	11-May-2021	31-Jul-2021
35	17-Nov-2020	22-Jan-2021	11-May-2021	30-Jul-2021
30	17-Nov-2020	23-Jan-2021	12-May-2021	30-Jul-2021
25	17-Nov-2020	23-Jan-2021	12-May-2021	30-Jul-2021
20	16-Nov-2020	23-Jan-2021	12-May-2021	29-Jul-2021
15	16-Nov-2020	24-Jan-2021	13-May-2021	29-Jul-2021
10	16-Nov-2020	24-Jan-2021	13-May-2021	29-Jul-2021
5	15-Nov-2020	24-Jan-2021	13-May-2021	28-Jul-2021
0	15-Nov-2020	25-Jan-2021	14-May-2021	28-Jul-2021
-5	15-Nov-2020	25-Jan-2021	14-May-2021	27-Jul-2021
-10	14-Nov-2020	26-Jan-2021	14-May-2021	27-Jul-2021
-15	14-Nov-2020	26-Jan-2021	15-May-2021	27-Jul-2021
-20	14-Nov-2020	26-Jan-2021	15-May-2021	26-Jul-2021

-25	14-Nov-2020	26-Jan-2021	16-May-2021	26-Jul-2021
-30	13-Nov-2020	26-Jan-2021	16-May-2021	25-Jul-2021
-35	13-Nov-2020	27-Jan-2021	16-May-2021	25-Jul-2021
-40	13-Nov-2020	27-Jan-2021	17-May-2021	24-Jul-2021
-45	13-Nov-2020	27-Jan-2021	17-May-2021	24-Jul-2021
-50	12-Nov-2020	28-Jan-2021	17-May-2021	24-Jul-2021

-25	13-Nov-2020	27-Jan-2021	15-May-2021	26-Jul-2021
-30	13-Nov-2020	27-Jan-2021	16-May-2021	26-Jul-2021
-35	13-Nov-2020	27-Jan-2021	16-May-2021	25-Jul-2021
-40	13-Nov-2020	27-Jan-2021	16-May-2021	25-Jul-2021
-45	12-Nov-2020	28-Jan-2021	17-May-2021	25-Jul-2021
-50	12-Nov-2020	28-Jan-2021	17-May-2021	24-Jul-2021

1000 BC (Axial Tilt: 23.81°)

latitude	Southern Minor Lunar Standstill -18.67°	Northern Minor Lunar Standstill 18.67°		
65	18-Nov-2020	21-Jan-2021	10-May-2021	1-Aug-2021
60	18-Nov-2020	22-Jan-2021	10-May-2021	1-Aug-2021
55	18-Nov-2020	22-Jan-2021	10-May-2021	1-Aug-2021
50	18-Nov-2020	22-Jan-2021	10-May-2021	1-Aug-2021
45	17-Nov-2020	22-Jan-2021	10-May-2021	31-Jul-2021
40	17-Nov-2020	23-Jan-2021	11-May-2021	31-Jul-2021
35	17-Nov-2020	23-Jan-2021	11-May-2021	31-Jul-2021
30	17-Nov-2020	23-Jan-2021	11-May-2021	30-Jul-2021
25	16-Nov-2020	24-Jan-2021	12-May-2021	30-Jul-2021
20	16-Nov-2020	24-Jan-2021	12-May-2021	30-Jul-2021
15	16-Nov-2020	24-Jan-2021	12-May-2021	29-Jul-2021
10	15-Nov-2020	25-Jan-2021	13-May-2021	29-Jul-2021
5	15-Nov-2020	25-Jan-2021	13-May-2021	29-Jul-2021
0	15-Nov-2020	25-Jan-2021	13-May-2021	28-Jul-2021
-5	14-Nov-2020	26-Jan-2021	14-May-2021	28-Jul-2021
-10	14-Nov-2020	26-Jan-2021	14-May-2021	28-Jul-2021
-15	14-Nov-2020	26-Jan-2021	14-May-2021	27-Jul-2021
-20	13-Nov-2020	27-Jan-2021	15-May-2021	27-Jul-2021
-25	13-Nov-2020	27-Jan-2021	15-May-2021	26-Jul-2021
-30	13-Nov-2020	27-Jan-2021	15-May-2021	26-Jul-2021
-35	12-Nov-2020	28-Jan-2021	16-May-2021	26-Jul-2021
-40	12-Nov-2020	28-Jan-2021	16-May-2021	25-Jul-2021
-45	12-Nov-2020	28-Jan-2021	16-May-2021	25-Jul-2021
-50	12-Nov-2020	28-Jan-2021	16-May-2021	25-Jul-2021

1 BC / 1 AD (Axial Tilt: 23.7°)

latitude	Southern Minor Lunar Standstill -18.56°	Northern Minor Lunar Standstill 18.56°		
65	18-Nov-2020	22-Jan-2021	9-May-2021	2-Aug-2021
60	18-Nov-2020	22-Jan-2021	9-May-2021	1-Aug-2021
55	17-Nov-2020	22-Jan-2021	10-May-2021	1-Aug-2021
50	17-Nov-2020	23-Jan-2021	10-May-2021	1-Aug-2021
45	17-Nov-2020	23-Jan-2021	10-May-2021	1-Aug-2021
40	17-Nov-2020	23-Jan-2021	10-May-2021	31-Jul-2021
35	16-Nov-2020	23-Jan-2021	11-May-2021	31-Jul-2021
30	16-Nov-2020	24-Jan-2021	11-May-2021	31-Jul-2021
25	16-Nov-2020	24-Jan-2021	11-May-2021	31-Jul-2021
20	16-Nov-2020	24-Jan-2021	11-May-2021	30-Jul-2021
15	15-Nov-2020	25-Jan-2021	12-May-2021	30-Jul-2021
10	15-Nov-2020	25-Jan-2021	12-May-2021	30-Jul-2021
5	15-Nov-2020	25-Jan-2021	12-May-2021	29-Jul-2021
0	14-Nov-2020	26-Jan-2021	13-May-2021	29-Jul-2021
-5	14-Nov-2020	26-Jan-2021	13-May-2021	28-Jul-2021
-10	14-Nov-2020	26-Jan-2021	13-May-2021	28-Jul-2021
-15	13-Nov-2020	27-Jan-2021	14-May-2021	28-Jul-2021
-20	13-Nov-2020	27-Jan-2021	14-May-2021	27-Jul-2021
-25	13-Nov-2020	27-Jan-2021	14-May-2021	27-Jul-2021
-30	12-Nov-2020	28-Jan-2021	15-May-2021	27-Jul-2021
-35	12-Nov-2020	28-Jan-2021	15-May-2021	26-Jul-2021
-40	12-Nov-2020	28-Jan-2021	15-May-2021	26-Jul-2021
-45	12-Nov-2020	28-Jan-2021	16-May-2021	26-Jul-2021
-50	11-Nov-2020	29-Jan-2021	16-May-2021	25-Jul-2021

1000 AD (Axial Tilt: 23.56°)

latitude	Southern Minor Lunar Standstill -18.42°	Northern Minor Lunar Standstill 18.42°		
65	17-Nov-2020	22-Jan-2021	9-May-2021	2-Aug-2021
60	17-Nov-2020	23-Jan-2021	9-May-2021	2-Aug-2021
55	17-Nov-2020	23-Jan-2021	9-May-2021	2-Aug-2021
50	17-Nov-2020	23-Jan-2021	9-May-2021	2-Aug-2021
45	16-Nov-2020	23-Jan-2021	10-May-2021	1-Aug-2021
40	16-Nov-2020	24-Jan-2021	10-May-2021	1-Aug-2021
35	16-Nov-2020	24-Jan-2021	10-May-2021	1-Aug-2021
30	16-Nov-2020	24-Jan-2021	10-May-2021	31-Jul-2021
25	15-Nov-2020	25-Jan-2021	11-May-2021	31-Jul-2021
20	15-Nov-2020	25-Jan-2021	11-May-2021	31-Jul-2021
15	15-Nov-2020	25-Jan-2021	11-May-2021	30-Jul-2021
10	14-Nov-2020	26-Jan-2021	12-May-2021	30-Jul-2021
5	14-Nov-2020	26-Jan-2021	12-May-2021	30-Jul-2021
0	14-Nov-2020	26-Jan-2021	12-May-2021	29-Jul-2021
-5	13-Nov-2020	27-Jan-2021	13-May-2021	29-Jul-2021
-10	13-Nov-2020	27-Jan-2021	13-May-2021	29-Jul-2021
-15	13-Nov-2020	27-Jan-2021	13-May-2021	28-Jul-2021
-20	12-Nov-2020	28-Jan-2021	14-May-2021	28-Jul-2021
-25	12-Nov-2020	28-Jan-2021	14-May-2021	28-Jul-2021
-30	12-Nov-2020	28-Jan-2021	14-May-2021	27-Jul-2021
-35	12-Nov-2020	29-Jan-2021	15-May-2021	27-Jul-2021
-40	11-Nov-2020	29-Jan-2021	15-May-2021	27-Jul-2021
-45	11-Nov-2020	29-Jan-2021	15-May-2021	26-Jul-2021
-50	11-Nov-2020	29-Jan-2021	15-May-2021	26-Jul-2021

2020 AD (Axial Tilt: 23.44°)

latitude	Southern Minor Lunar Standstill -18.29°	Northern Minor Lunar Standstill 18.29°		
65	17-Nov-2020	23-Jan-2021	8-May-2021	3-Aug-2021
60	17-Nov-2020	23-Jan-2021	8-May-2021	2-Aug-2021
55	16-Nov-2020	23-Jan-2021	9-May-2021	2-Aug-2021
50	16-Nov-2020	24-Jan-2021	9-May-2021	2-Aug-2021
45	16-Nov-2020	24-Jan-2021	9-May-2021	2-Aug-2021
40	16-Nov-2020	24-Jan-2021	9-May-2021	2-Aug-2021
35	15-Nov-2020	24-Jan-2021	10-May-2021	1-Aug-2021
30	15-Nov-2020	25-Jan-2021	10-May-2021	1-Aug-2021
25	15-Nov-2020	25-Jan-2021	10-May-2021	1-Aug-2021
20	14-Nov-2020	25-Jan-2021	10-May-2021	31-Jul-2021
15	14-Nov-2020	26-Jan-2021	11-May-2021	31-Jul-2021
10	14-Nov-2020	26-Jan-2021	11-May-2021	31-Jul-2021
5	14-Nov-2020	26-Jan-2021	11-May-2021	30-Jul-2021
0	13-Nov-2020	27-Jan-2021	12-May-2021	30-Jul-2021
-5	13-Nov-2020	27-Jan-2021	12-May-2021	30-Jul-2021
-10	13-Nov-2020	27-Jan-2021	12-May-2021	29-Jul-2021
-15	12-Nov-2020	28-Jan-2021	13-May-2021	29-Jul-2021
-20	12-Nov-2020	28-Jan-2021	13-May-2021	28-Jul-2021
-25	12-Nov-2020	28-Jan-2021	13-May-2021	28-Jul-2021
-30	11-Nov-2020	29-Jan-2021	14-May-2021	28-Jul-2021
-35	11-Nov-2020	29-Jan-2021	14-May-2021	27-Jul-2021
-40	11-Nov-2020	29-Jan-2021	14-May-2021	27-Jul-2021
-45	11-Nov-2020	29-Jan-2021	15-May-2021	27-Jul-2021
-50	10-Nov-2020	30-Jan-2021	15-May-2021	27-Jul-2021