

Date	Time (UTC)	Epoch 2000			Distance (AU)		Est Mag	Elong	
		RA	Dec	Alt	Az	Sun			Earth
12/01/20	00:00:00	05h24.8m	+25°25'	-09.9°	049.3°	01.3777	00.3993	+08.4	166.7°
12/02/20	00:00:00	05h24.4m	+26°30'	-08.5°	049.2°	01.3835	00.4044	+08.4	167.5°
12/03/20	00:00:00	05h24.0m	+27°33'	-07.0°	049.2°	01.3894	00.4098	+08.5	168.2°
12/04/20	00:00:00	05h23.5m	+28°35'	-05.6°	049.1°	01.3954	00.4155	+08.5	168.7°
12/05/20	00:00:00	05h23.1m	+29°35'	-04.2°	049.1°	01.4015	00.4214	+08.6	169.1°
12/06/20	00:00:00	05h22.6m	+30°32'	-02.9°	049.1°	01.4077	00.4276	+08.6	169.3°
12/07/20	00:00:00	05h22.1m	+31°28'	-01.5°	049.1°	01.4141	00.4341	+08.7	169.3°
12/08/20	00:00:00	05h21.6m	+32°22'	-00.2°	049.1°	01.4205	00.4409	+08.7	169.2°
12/09/20	00:00:00	05h21.1m	+33°14'	+01.0°	049.0°	01.4271	00.4479	+08.8	168.9°
12/10/20	00:00:00	05h20.6m	+34°04'	+02.3°	049.0°	01.4338	00.4552	+08.9	168.5°
12/11/20	00:00:00	05h20.1m	+34°53'	+03.5°	049.0°	01.4406	00.4628	+08.9	168.0°
12/12/20	00:00:00	05h19.6m	+35°39'	+04.7°	049.0°	01.4474	00.4705	+09.0	167.4°
12/13/20	00:00:00	05h19.1m	+36°24'	+05.9°	049.1°	01.4544	00.4786	+09.0	166.7°
12/14/20	00:00:00	05h18.6m	+37°06'	+07.0°	049.1°	01.4615	00.4868	+09.1	166.0°
12/15/20	00:00:00	05h18.1m	+37°47'	+08.1°	049.1°	01.4687	00.4953	+09.1	165.2°
12/16/20	00:00:00	05h17.7m	+38°26'	+09.2°	049.1°	01.4759	00.5040	+09.2	164.4°
12/17/20	00:00:00	05h17.2m	+39°03'	+10.3°	049.1°	01.4833	00.5130	+09.3	163.6°
12/18/20	00:00:00	05h16.8m	+39°39'	+11.3°	049.2°	01.4908	00.5221	+09.3	162.8°
12/19/20	00:00:00	05h16.4m	+40°13'	+12.3°	049.2°	01.4983	00.5315	+09.4	161.9°
12/20/20	00:00:00	05h16.0m	+40°46'	+13.3°	049.2°	01.5059	00.5411	+09.4	161.1°
12/21/20	00:00:00	05h15.7m	+41°16'	+14.2°	049.3°	01.5136	00.5509	+09.5	160.2°
12/22/20	00:00:00	05h15.3m	+41°46'	+15.2°	049.3°	01.5214	00.5609	+09.6	159.3°
12/23/20	00:00:00	05h15.0m	+42°14'	+16.1°	049.3°	01.5293	00.5711	+09.6	158.4°
12/24/20	00:00:00	05h14.8m	+42°40'	+17.0°	049.4°	01.5373	00.5815	+09.7	157.6°
12/25/20	00:00:00	05h14.5m	+43°05'	+17.9°	049.4°	01.5453	00.5921	+09.8	156.7°
12/26/20	00:00:00	05h14.3m	+43°29'	+18.7°	049.5°	01.5534	00.6029	+09.8	155.9°
12/27/20	00:00:00	05h14.2m	+43°52'	+19.5°	049.5°	01.5616	00.6139	+09.9	155.0°
12/28/20	00:00:00	05h14.0m	+44°13'	+20.3°	049.6°	01.5698	00.6251	+09.9	154.2°
12/29/20	00:00:00	05h13.9m	+44°34'	+21.1°	049.7°	01.5781	00.6364	+10.0	153.3°
12/30/20	00:00:00	05h13.9m	+44°53'	+21.9°	049.7°	01.5865	00.6480	+10.1	152.5°
12/31/20	00:00:00	05h13.9m	+45°11'	+22.7°	049.8°	01.5950	00.6597	+10.1	151.7°
01/01/21	00:00:00	05h13.9m	+45°28'	+23.4°	049.8°	01.6035	00.6716	+10.2	150.8°
01/02/21	00:00:00	05h14.0m	+45°44'	+24.1°	049.9°	01.6121	00.6836	+10.2	150.0°
01/03/21	00:00:00	05h14.1m	+45°59'	+24.9°	050.0°	01.6207	00.6958	+10.3	149.2°
01/04/21	00:00:00	05h14.2m	+46°13'	+25.6°	050.0°	01.6294	00.7082	+10.4	148.4°
01/05/21	00:00:00	05h14.4m	+46°27'	+26.2°	050.1°	01.6381	00.7208	+10.4	147.6°
01/06/21	00:00:00	05h14.6m	+46°39'	+26.9°	050.2°	01.6470	00.7335	+10.5	146.8°
01/07/21	00:00:00	05h14.9m	+46°51'	+27.6°	050.3°	01.6558	00.7464	+10.6	146.0°
01/08/21	00:00:00	05h15.2m	+47°02'	+28.2°	050.3°	01.6647	00.7595	+10.6	145.3°
01/09/21	00:00:00	05h15.5m	+47°12'	+28.8°	050.4°	01.6737	00.7727	+10.7	144.5°
01/10/21	00:00:00	05h15.9m	+47°21'	+29.5°	050.5°	01.6827	00.7860	+10.7	143.7°
01/11/21	00:00:00	05h16.3m	+47°30'	+30.1°	050.6°	01.6918	00.7996	+10.8	143.0°
01/12/21	00:00:00	05h16.8m	+47°38'	+30.7°	050.7°	01.7009	00.8132	+10.9	142.2°
01/13/21	00:00:00	05h17.3m	+47°46'	+31.3°	050.7°	01.7101	00.8271	+10.9	141.5°
01/14/21	00:00:00	05h17.9m	+47°53'	+31.8°	050.8°	01.7193	00.8410	+11.0	140.8°
01/15/21	00:00:00	05h18.5m	+47°60'	+32.4°	050.9°	01.7286	00.8552	+11.0	140.0°
01/16/21	00:00:00	05h19.1m	+48°06'	+33.0°	051.0°	01.7379	00.8694	+11.1	139.3°
01/17/21	00:00:00	05h19.8m	+48°11'	+33.5°	051.1°	01.7472	00.8839	+11.2	138.6°
01/18/21	00:00:00	05h20.5m	+48°16'	+34.0°	051.2°	01.7566	00.8984	+11.2	137.8°
01/19/21	00:00:00	05h21.2m	+48°20'	+34.6°	051.3°	01.7660	00.9131	+11.3	137.1°
01/20/21	00:00:00	05h22.0m	+48°24'	+35.1°	051.4°	01.7755	00.9280	+11.3	136.4°
01/21/21	00:00:00	05h22.8m	+48°28'	+35.6°	051.5°	01.7850	00.9430	+11.4	135.7°
01/22/21	00:00:00	05h23.6m	+48°31'	+36.1°	051.5°	01.7945	00.9581	+11.4	135.0°
01/23/21	00:00:00	05h24.5m	+48°34'	+36.6°	051.6°	01.8041	00.9734	+11.5	134.3°
01/24/21	00:00:00	05h25.4m	+48°37'	+37.1°	051.7°	01.8137	00.9888	+11.6	133.6°
01/25/21	00:00:00	05h26.4m	+48°39'	+37.6°	051.8°	01.8233	01.0043	+11.6	132.9°

Date	Time (UTC)	Epoch 2000				Distance (AU)		Est Mag	Elong
		RA	Dec	Alt	Az	Sun	Earth		
12/01/20	00:00:00	20h39.9m	-22°07'	+32.6°	187.7°	01.5291	01.8087	+10.2	057.7°
12/02/20	00:00:00	20h43.3m	-21°53'	+32.8°	187.8°	01.5340	01.8185	+10.2	057.5°
12/03/20	00:00:00	20h46.6m	-21°39'	+33.1°	188.0°	01.5389	01.8284	+10.3	057.3°
12/04/20	00:00:00	20h50.0m	-21°25'	+33.3°	188.2°	01.5439	01.8385	+10.3	057.1°
12/05/20	00:00:00	20h53.3m	-21°11'	+33.5°	188.4°	01.5490	01.8486	+10.3	056.9°
12/06/20	00:00:00	20h56.6m	-20°57'	+33.7°	188.7°	01.5541	01.8589	+10.4	056.7°
12/07/20	00:00:00	20h59.9m	-20°42'	+33.9°	188.9°	01.5592	01.8692	+10.4	056.5°
12/08/20	00:00:00	21h03.1m	-20°28'	+34.1°	189.1°	01.5644	01.8796	+10.5	056.3°
12/09/20	00:00:00	21h06.3m	-20°13'	+34.4°	189.4°	01.5696	01.8901	+10.5	056.1°
12/10/20	00:00:00	21h09.5m	-19°58'	+34.6°	189.6°	01.5749	01.9007	+10.5	055.8°
12/11/20	00:00:00	21h12.7m	-19°43'	+34.8°	189.9°	01.5802	01.9114	+10.6	055.6°
12/12/20	00:00:00	21h15.9m	-19°27'	+35.0°	190.1°	01.5856	01.9222	+10.6	055.4°
12/13/20	00:00:00	21h19.0m	-19°12'	+35.3°	190.4°	01.5910	01.9331	+10.7	055.2°
12/14/20	00:00:00	21h22.2m	-18°57'	+35.5°	190.7°	01.5964	01.9441	+10.7	054.9°
12/15/20	00:00:00	21h25.3m	-18°41'	+35.7°	191.0°	01.6018	01.9551	+10.7	054.7°
12/16/20	00:00:00	21h28.3m	-18°25'	+35.9°	191.3°	01.6074	01.9662	+10.8	054.4°
12/17/20	00:00:00	21h31.4m	-18°10'	+36.2°	191.6°	01.6129	01.9774	+10.8	054.2°
12/18/20	00:00:00	21h34.4m	-17°54'	+36.4°	191.9°	01.6185	01.9887	+10.9	053.9°
12/19/20	00:00:00	21h37.4m	-17°38'	+36.6°	192.3°	01.6241	02.0001	+10.9	053.7°
12/20/20	00:00:00	21h40.4m	-17°22'	+36.8°	192.6°	01.6297	02.0115	+11.0	053.4°
12/21/20	00:00:00	21h43.4m	-17°06'	+37.0°	193.0°	01.6354	02.0230	+11.0	053.2°
12/22/20	00:00:00	21h46.3m	-16°49'	+37.3°	193.3°	01.6411	02.0346	+11.0	052.9°
12/23/20	00:00:00	21h49.3m	-16°33'	+37.5°	193.7°	01.6468	02.0463	+11.1	052.6°
12/24/20	00:00:00	21h52.2m	-16°17'	+37.7°	194.1°	01.6526	02.0580	+11.1	052.4°
12/25/20	00:00:00	21h55.1m	-16°01'	+37.9°	194.4°	01.6584	02.0698	+11.2	052.1°
12/26/20	00:00:00	21h57.9m	-15°44'	+38.1°	194.8°	01.6643	02.0816	+11.2	051.8°
12/27/20	00:00:00	22h00.8m	-15°28'	+38.3°	195.2°	01.6701	02.0935	+11.3	051.5°
12/28/20	00:00:00	22h03.6m	-15°11'	+38.5°	195.7°	01.6760	02.1055	+11.3	051.3°
12/29/20	00:00:00	22h06.4m	-14°55'	+38.7°	196.1°	01.6819	02.1176	+11.3	051.0°
12/30/20	00:00:00	22h09.2m	-14°38'	+38.9°	196.5°	01.6879	02.1297	+11.4	050.7°
12/31/20	00:00:00	22h12.0m	-14°21'	+39.1°	196.9°	01.6938	02.1418	+11.4	050.4°
01/01/21	00:00:00	22h14.7m	-14°05'	+39.3°	197.4°	01.6998	02.1541	+11.5	050.1°
01/02/21	00:00:00	22h17.5m	-13°48'	+39.5°	197.9°	01.7059	02.1663	+11.5	049.8°
01/03/21	00:00:00	22h20.2m	-13°31'	+39.7°	198.3°	01.7119	02.1786	+11.6	049.5°
01/04/21	00:00:00	22h22.9m	-13°15'	+39.9°	198.8°	01.7180	02.1910	+11.6	049.2°
01/05/21	00:00:00	22h25.6m	-12°58'	+40.1°	199.3°	01.7241	02.2034	+11.6	048.9°
01/06/21	00:00:00	22h28.2m	-12°41'	+40.3°	199.8°	01.7302	02.2159	+11.7	048.6°
01/07/21	00:00:00	22h30.9m	-12°25'	+40.4°	200.3°	01.7363	02.2284	+11.7	048.3°
01/08/21	00:00:00	22h33.5m	-12°08'	+40.6°	200.8°	01.7425	02.2409	+11.8	047.9°
01/09/21	00:00:00	22h36.1m	-11°51'	+40.8°	201.3°	01.7487	02.2535	+11.8	047.6°
01/10/21	00:00:00	22h38.7m	-11°34'	+40.9°	201.8°	01.7549	02.2662	+11.9	047.3°
01/11/21	00:00:00	22h41.3m	-11°18'	+41.1°	202.4°	01.7611	02.2788	+11.9	047.0°
01/12/21	00:00:00	22h43.9m	-11°01'	+41.3°	202.9°	01.7673	02.2915	+11.9	046.6°
01/13/21	00:00:00	22h46.5m	-10°44'	+41.4°	203.5°	01.7736	02.3043	+12.0	046.3°
01/14/21	00:00:00	22h49.0m	-10°28'	+41.6°	204.0°	01.7799	02.3170	+12.0	046.0°
01/15/21	00:00:00	22h51.5m	-10°11'	+41.7°	204.6°	01.7862	02.3298	+12.1	045.6°
01/16/21	00:00:00	22h54.0m	-09°54'	+41.8°	205.2°	01.7925	02.3426	+12.1	045.3°
01/17/21	00:00:00	22h56.5m	-09°38'	+42.0°	205.7°	01.7988	02.3555	+12.2	044.9°
01/18/21	00:00:00	22h59.0m	-09°21'	+42.1°	206.3°	01.8052	02.3683	+12.2	044.6°
01/19/21	00:00:00	23h01.5m	-09°05'	+42.2°	206.9°	01.8115	02.3812	+12.2	044.2°
01/20/21	00:00:00	23h03.9m	-08°48'	+42.3°	207.5°	01.8179	02.3941	+12.3	043.9°
01/21/21	00:00:00	23h06.3m	-08°32'	+42.4°	208.1°	01.8243	02.4071	+12.3	043.5°
01/22/21	00:00:00	23h08.8m	-08°15'	+42.5°	208.8°	01.8307	02.4200	+12.4	043.2°
01/23/21	00:00:00	23h11.2m	-07°59'	+42.6°	209.4°	01.8371	02.4330	+12.4	042.8°
01/24/21	00:00:00	23h13.6m	-07°42'	+42.7°	210.0°	01.8435	02.4459	+12.5	042.5°
01/25/21	00:00:00	23h15.9m	-07°26'	+42.8°	210.6°	01.8500	02.4589	+12.5	042.1°

Date	Time (UTC)	Epoch 2000				Distance (AU)		Est Mag	Elong
		RA	Dec	Alt	Az	Sun	Earth		
12/01/20	00:00:00	20h02.9m	-10°04'	+42.5°	201.9°	00.8455	00.9219	+13.6	052.5°
12/02/20	00:00:00	20h07.0m	-10°01'	+42.6°	201.9°	00.8409	00.9112	+13.5	052.4°
12/03/20	00:00:00	20h11.1m	-09°58'	+42.6°	201.8°	00.8366	00.9004	+13.4	052.4°
12/04/20	00:00:00	20h15.3m	-09°55'	+42.7°	201.8°	00.8325	00.8896	+13.4	052.4°
12/05/20	00:00:00	20h19.5m	-09°52'	+42.8°	201.7°	00.8287	00.8787	+13.3	052.4°
12/06/20	00:00:00	20h23.8m	-09°49'	+42.8°	201.6°	00.8253	00.8678	+13.2	052.4°
12/07/20	00:00:00	20h28.1m	-09°46'	+42.9°	201.5°	00.8221	00.8569	+13.1	052.4°
12/08/20	00:00:00	20h32.6m	-09°43'	+43.0°	201.4°	00.8192	00.8459	+13.0	052.5°
12/09/20	00:00:00	20h37.1m	-09°40'	+43.1°	201.2°	00.8167	00.8350	+13.0	052.5°
12/10/20	00:00:00	20h41.6m	-09°37'	+43.2°	201.0°	00.8145	00.8240	+12.9	052.6°
12/11/20	00:00:00	20h46.3m	-09°34'	+43.3°	200.8°	00.8125	00.8131	+12.8	052.7°
12/12/20	00:00:00	20h51.0m	-09°31'	+43.4°	200.6°	00.8110	00.8021	+12.8	052.8°
12/13/20	00:00:00	20h55.8m	-09°27'	+43.5°	200.3°	00.8097	00.7913	+12.7	052.9°
12/14/20	00:00:00	21h00.6m	-09°24'	+43.6°	200.1°	00.8088	00.7804	+12.7	053.0°
12/15/20	00:00:00	21h05.6m	-09°21'	+43.8°	199.8°	00.8082	00.7697	+12.7	053.2°
12/16/20	00:00:00	21h10.6m	-09°18'	+43.9°	199.4°	00.8079	00.7590	+12.6	053.3°
12/17/20	00:00:00	21h15.7m	-09°14'	+44.0°	199.0°	00.8080	00.7484	+12.6	053.5°
12/18/20	00:00:00	21h20.9m	-09°11'	+44.1°	198.7°	00.8084	00.7378	+12.6	053.7°
12/19/20	00:00:00	21h26.2m	-09°08'	+44.3°	198.2°	00.8092	00.7274	+12.6	053.9°
12/20/20	00:00:00	21h31.6m	-09°04'	+44.4°	197.8°	00.8102	00.7172	+12.5	054.2°
12/21/20	00:00:00	21h37.1m	-09°01'	+44.6°	197.3°	00.8117	00.7070	+12.5	054.4°
12/22/20	00:00:00	21h42.7m	-08°58'	+44.7°	196.7°	00.8134	00.6970	+12.5	054.7°
12/23/20	00:00:00	21h48.3m	-08°54'	+44.9°	196.2°	00.8154	00.6872	+12.5	055.0°
12/24/20	00:00:00	21h54.1m	-08°50'	+45.1°	195.6°	00.8178	00.6775	+12.5	055.4°
12/25/20	00:00:00	22h00.0m	-08°47'	+45.2°	194.9°	00.8205	00.6680	+12.5	055.7°
12/26/20	00:00:00	22h06.0m	-08°43'	+45.4°	194.2°	00.8235	00.6588	+12.6	056.1°
12/27/20	00:00:00	22h12.1m	-08°39'	+45.6°	193.5°	00.8268	00.6497	+12.6	056.5°
12/28/20	00:00:00	22h18.3m	-08°35'	+45.7°	192.7°	00.8304	00.6409	+12.6	056.9°
12/29/20	00:00:00	22h24.6m	-08°31'	+45.9°	191.9°	00.8343	00.6324	+12.6	057.4°
12/30/20	00:00:00	22h31.0m	-08°27'	+46.1°	191.1°	00.8385	00.6241	+12.7	057.8°
12/31/20	00:00:00	22h37.6m	-08°22'	+46.2°	190.2°	00.8430	00.6160	+12.7	058.3°
01/01/21	00:00:00	22h44.2m	-08°18'	+46.4°	189.2°	00.8478	00.6083	+12.8	058.9°
01/02/21	00:00:00	22h51.0m	-08°13'	+46.6°	188.3°	00.8528	00.6009	+12.8	059.4°
01/03/21	00:00:00	22h57.8m	-08°07'	+46.8°	187.2°	00.8581	00.5937	+12.9	060.0°
01/04/21	00:00:00	23h04.8m	-08°02'	+46.9°	186.1°	00.8636	00.5870	+12.9	060.7°
01/05/21	00:00:00	23h11.9m	-07°56'	+47.1°	185.0°	00.8694	00.5805	+13.0	061.3°
01/06/21	00:00:00	23h19.1m	-07°50'	+47.2°	183.8°	00.8754	00.5744	+13.1	062.0°
01/07/21	00:00:00	23h26.4m	-07°44'	+47.4°	182.6°	00.8817	00.5687	+13.1	062.7°
01/08/21	00:00:00	23h33.8m	-07°37'	+47.5°	181.3°	00.8882	00.5634	+13.2	063.4°
01/09/21	00:00:00	23h41.3m	-07°30'	+47.6°	180.0°	00.8949	00.5585	+13.3	064.2°
01/10/21	00:00:00	23h48.9m	-07°22'	+47.8°	178.7°	00.9018	00.5540	+13.4	065.0°
01/11/21	00:00:00	23h56.6m	-07°14'	+47.9°	177.3°	00.9089	00.5499	+13.5	065.8°
01/12/21	00:00:00	00h04.3m	-07°06'	+48.0°	175.9°	00.9162	00.5463	+13.5	066.6°
01/13/21	00:00:00	00h12.1m	-06°57'	+48.0°	174.5°	00.9237	00.5430	+13.6	067.5°
01/14/21	00:00:00	00h20.0m	-06°48'	+48.1°	173.0°	00.9314	00.5403	+13.7	068.4°
01/15/21	00:00:00	00h27.9m	-06°38'	+48.2°	171.5°	00.9392	00.5380	+13.8	069.3°
01/16/21	00:00:00	00h35.9m	-06°27'	+48.2°	170.0°	00.9472	00.5361	+13.9	070.2°
01/17/21	00:00:00	00h43.8m	-06°17'	+48.2°	168.4°	00.9554	00.5348	+14.0	071.1°
01/18/21	00:00:00	00h51.8m	-06°06'	+48.2°	166.9°	00.9637	00.5339	+14.2	072.0°
01/19/21	00:00:00	00h59.8m	-05°54'	+48.2°	165.4°	00.9722	00.5334	+14.3	073.0°
01/20/21	00:00:00	01h07.9m	-05°42'	+48.2°	163.8°	00.9808	00.5335	+14.4	073.9°
01/21/21	00:00:00	01h15.8m	-05°30'	+48.1°	162.3°	00.9895	00.5341	+14.5	074.9°
01/22/21	00:00:00	01h23.8m	-05°17'	+48.1°	160.8°	00.9984	00.5351	+14.6	075.8°
01/23/21	00:00:00	01h31.7m	-05°04'	+48.0°	159.2°	01.0074	00.5366	+14.7	076.8°
01/24/21	00:00:00	01h39.6m	-04°50'	+47.9°	157.8°	01.0165	00.5386	+14.9	077.7°
01/25/21	00:00:00	01h47.4m	-04°37'	+47.8°	156.3°	01.0257	00.5411	+15.0	078.6°

Date	Time (UTC)	Epoch 2000		Alt	Az	Distance (AU)		Est Mag	Elong
		RA	Dec			Sun	Earth		
12/01/20	00:00:00	14h32.0m	-23°24'	-20.1°	254.9°	00.5053	01.1121	+07.3	027.0°
12/02/20	00:00:00	14h41.5m	-23°31'	-19.1°	254.1°	00.4900	01.1242	+07.2	025.8°
12/03/20	00:00:00	14h51.1m	-23°36'	-18.0°	253.3°	00.4754	01.1371	+07.0	024.6°
12/04/20	00:00:00	15h00.6m	-23°39'	-16.9°	252.6°	00.4617	01.1507	+06.9	023.4°
12/05/20	00:00:00	15h10.2m	-23°39'	-15.8°	251.9°	00.4490	01.1649	+06.9	022.1°
12/06/20	00:00:00	15h19.7m	-23°38'	-14.7°	251.2°	00.4374	01.1798	+06.8	020.9°
12/07/20	00:00:00	15h29.3m	-23°34'	-13.6°	250.6°	00.4272	01.1951	+06.7	019.7°
12/08/20	00:00:00	15h38.8m	-23°28'	-12.5°	249.9°	00.4183	01.2109	+06.6	018.5°
12/09/20	00:00:00	15h48.3m	-23°21'	-11.3°	249.3°	00.4109	01.2271	+06.6	017.4°
12/10/20	00:00:00	15h57.8m	-23°11'	-10.2°	248.8°	00.4052	01.2435	+06.6	016.2°
12/11/20	00:00:00	16h07.2m	-23°00'	-9.0°	248.2°	00.4012	01.2601	+06.5	015.1°
12/12/20	00:00:00	16h16.6m	-22°48'	-7.9°	247.7°	00.3991	01.2768	+06.5	013.9°
12/13/20	00:00:00	16h25.9m	-22°33'	-6.8°	247.2°	00.3988	01.2935	+06.6	012.8°
12/14/20	00:00:00	16h35.1m	-22°18'	-5.6°	246.7°	00.4003	01.3102	+06.6	011.8°
12/15/20	00:00:00	16h44.1m	-22°01'	-4.5°	246.2°	00.4037	01.3268	+06.7	010.7°
12/16/20	00:00:00	16h53.1m	-21°43'	-3.4°	245.7°	00.4088	01.3433	+06.8	009.7°
12/17/20	00:00:00	17h01.9m	-21°24'	-2.3°	245.3°	00.4156	01.3597	+06.9	008.8°
12/18/20	00:00:00	17h10.6m	-21°05'	-1.2°	244.9°	00.4240	01.3759	+07.0	008.0°
12/19/20	00:00:00	17h19.2m	-20°44'	-0.1°	244.5°	00.4338	01.3920	+07.1	007.2°
12/20/20	00:00:00	17h27.5m	-20°23'	+0.9°	244.2°	00.4449	01.4080	+07.2	006.5°
12/21/20	00:00:00	17h35.7m	-20°01'	+1.9°	243.8°	00.4573	01.4240	+07.4	006.0°
12/22/20	00:00:00	17h43.7m	-19°39'	+2.9°	243.5°	00.4706	01.4398	+07.5	005.6°
12/23/20	00:00:00	17h51.5m	-19°16'	+3.8°	243.3°	00.4849	01.4557	+07.7	005.3°
12/24/20	00:00:00	17h59.2m	-18°53'	+4.8°	243.0°	00.5000	01.4715	+07.8	005.2°
12/25/20	00:00:00	18h06.6m	-18°30'	+5.7°	242.8°	00.5158	01.4874	+08.0	005.2°
12/26/20	00:00:00	18h13.9m	-18°07'	+6.5°	242.6°	00.5323	01.5033	+08.1	005.4°
12/27/20	00:00:00	18h21.0m	-17°43'	+7.3°	242.4°	00.5492	01.5193	+08.3	005.6°
12/28/20	00:00:00	18h27.9m	-17°19'	+8.1°	242.2°	00.5666	01.5354	+08.5	006.0°
12/29/20	00:00:00	18h34.7m	-16°55'	+8.9°	242.1°	00.5843	01.5516	+08.6	006.3°
12/30/20	00:00:00	18h41.3m	-16°32'	+9.6°	242.0°	00.6024	01.5679	+08.8	006.7°
12/31/20	00:00:00	18h47.7m	-16°08'	+10.3°	241.9°	00.6207	01.5843	+08.9	007.1°
01/01/21	00:00:00	18h53.9m	-15°44'	+11.0°	241.8°	00.6393	01.6009	+09.1	007.5°
01/02/21	00:00:00	19h00.0m	-15°20'	+11.7°	241.8°	00.6580	01.6176	+09.2	008.0°
01/03/21	00:00:00	19h06.0m	-14°57'	+12.3°	241.7°	00.6769	01.6344	+09.4	008.4°
01/04/21	00:00:00	19h11.8m	-14°33'	+12.9°	241.7°	00.6958	01.6515	+09.5	008.7°
01/05/21	00:00:00	19h17.4m	-14°10'	+13.5°	241.7°	00.7149	01.6686	+09.7	009.1°
01/06/21	00:00:00	19h23.0m	-13°46'	+14.0°	241.8°	00.7341	01.6859	+09.8	009.5°
01/07/21	00:00:00	19h28.3m	-13°23'	+14.5°	241.8°	00.7532	01.7033	+09.9	009.8°
01/08/21	00:00:00	19h33.6m	-13°00'	+15.0°	241.9°	00.7725	01.7209	+10.1	010.1°
01/09/21	00:00:00	19h38.7m	-12°38'	+15.5°	242.0°	00.7917	01.7386	+10.2	010.4°
01/10/21	00:00:00	19h43.7m	-12°15'	+15.9°	242.1°	00.8109	01.7564	+10.3	010.7°
01/11/21	00:00:00	19h48.6m	-11°53'	+16.4°	242.2°	00.8302	01.7743	+10.4	011.0°
01/12/21	00:00:00	19h53.4m	-11°31'	+16.8°	242.4°	00.8494	01.7923	+10.6	011.2°
01/13/21	00:00:00	19h58.1m	-11°09'	+17.1°	242.5°	00.8686	01.8105	+10.7	011.4°
01/14/21	00:00:00	20h02.6m	-10°47'	+17.5°	242.7°	00.8877	01.8287	+10.8	011.6°
01/15/21	00:00:00	20h07.1m	-10°26'	+17.8°	242.9°	00.9068	01.8471	+10.9	011.8°
01/16/21	00:00:00	20h11.4m	-10°04'	+18.1°	243.1°	00.9259	01.8655	+11.0	012.0°
01/17/21	00:00:00	20h15.7m	-09°43'	+18.4°	243.3°	00.9449	01.8840	+11.1	012.1°
01/18/21	00:00:00	20h19.9m	-09°23'	+18.7°	243.5°	00.9639	01.9025	+11.2	012.2°
01/19/21	00:00:00	20h24.0m	-09°02'	+19.0°	243.8°	00.9828	01.9212	+11.3	012.4°
01/20/21	00:00:00	20h28.0m	-08°42'	+19.2°	244.0°	01.0017	01.9398	+11.4	012.4°
01/21/21	00:00:00	20h31.9m	-08°22'	+19.4°	244.3°	01.0205	01.9585	+11.5	012.5°
01/22/21	00:00:00	20h35.7m	-08°02'	+19.6°	244.6°	01.0392	01.9773	+11.6	012.6°
01/23/21	00:00:00	20h39.5m	-07°42'	+19.8°	244.9°	01.0579	01.9961	+11.7	012.6°
01/24/21	00:00:00	20h43.2m	-07°23'	+20.0°	245.2°	01.0765	02.0149	+11.8	012.7°
01/25/21	00:00:00	20h46.8m	-07°04'	+20.1°	245.5°	01.0950	02.0337	+11.9	012.7°