

Date	Time (UTC)	Epoch 2000		Alt	Az	Distance (AU)		Est Mag	Elong
		RA	Dec			Sun	Earth		
08/23/21	00:00:00	15h01.8m	-12°24'	+42.2°	170.3°	02.1173	02.1049	+10.0	076.8°
08/24/21	00:00:00	15h03.6m	-12°46'	+41.9°	171.1°	02.1202	02.1171	+10.0	076.4°
08/25/21	00:00:00	15h05.3m	-13°07'	+41.7°	171.9°	02.1232	02.1294	+10.0	075.9°
08/26/21	00:00:00	15h07.1m	-13°28'	+41.4°	172.6°	02.1262	02.1417	+10.0	075.4°
08/27/21	00:00:00	15h08.8m	-13°49'	+41.1°	173.4°	02.1293	02.1541	+10.1	075.0°
08/28/21	00:00:00	15h10.6m	-14°10'	+40.8°	174.1°	02.1324	02.1665	+10.1	074.5°
08/29/21	00:00:00	15h12.4m	-14°30'	+40.5°	174.8°	02.1356	02.1791	+10.1	074.1°
08/30/21	00:00:00	15h14.2m	-14°51'	+40.2°	175.5°	02.1389	02.1917	+10.1	073.6°
08/31/21	00:00:00	15h16.0m	-15°11'	+39.9°	176.2°	02.1422	02.2043	+10.1	073.2°
09/01/21	00:00:00	15h17.9m	-15°31'	+39.6°	176.9°	02.1456	02.2170	+10.2	072.7°
09/02/21	00:00:00	15h19.7m	-15°51'	+39.3°	177.6°	02.1490	02.2298	+10.2	072.2°
09/03/21	00:00:00	15h21.6m	-16°10'	+38.9°	178.2°	02.1525	02.2427	+10.2	071.8°
09/04/21	00:00:00	15h23.4m	-16°30'	+38.6°	178.9°	02.1561	02.2556	+10.2	071.3°
09/05/21	00:00:00	15h25.3m	-16°49'	+38.3°	179.5°	02.1597	02.2685	+10.2	070.9°
09/06/21	00:00:00	15h27.2m	-17°08'	+38.0°	180.2°	02.1633	02.2815	+10.3	070.4°
09/07/21	00:00:00	15h29.1m	-17°27'	+37.7°	180.8°	02.1671	02.2946	+10.3	070.0°
09/08/21	00:00:00	15h30.9m	-17°46'	+37.4°	181.4°	02.1708	02.3077	+10.3	069.5°
09/09/21	00:00:00	15h32.9m	-18°04'	+37.0°	182.0°	02.1747	02.3209	+10.3	069.0°
09/10/21	00:00:00	15h34.8m	-18°22'	+36.7°	182.6°	02.1786	02.3342	+10.4	068.6°
09/11/21	00:00:00	15h36.7m	-18°40'	+36.4°	183.1°	02.1825	02.3474	+10.4	068.1°
09/12/21	00:00:00	15h38.6m	-18°58'	+36.1°	183.7°	02.1865	02.3608	+10.4	067.7°
09/13/21	00:00:00	15h40.6m	-19°16'	+35.8°	184.3°	02.1905	02.3741	+10.4	067.2°
09/14/21	00:00:00	15h42.5m	-19°33'	+35.4°	184.8°	02.1947	02.3876	+10.4	066.8°
09/15/21	00:00:00	15h44.5m	-19°51'	+35.1°	185.4°	02.1988	02.4010	+10.5	066.3°
09/16/21	00:00:00	15h46.5m	-20°08'	+34.8°	185.9°	02.2030	02.4145	+10.5	065.8°
09/17/21	00:00:00	15h48.5m	-20°25'	+34.5°	186.4°	02.2073	02.4281	+10.5	065.4°
09/18/21	00:00:00	15h50.5m	-20°41'	+34.1°	186.9°	02.2116	02.4417	+10.5	064.9°
09/19/21	00:00:00	15h52.5m	-20°58'	+33.8°	187.4°	02.2160	02.4553	+10.6	064.5°
09/20/21	00:00:00	15h54.5m	-21°14'	+33.5°	187.9°	02.2204	02.4690	+10.6	064.0°
09/21/21	00:00:00	15h56.5m	-21°30'	+33.2°	188.4°	02.2249	02.4827	+10.6	063.5°
09/22/21	00:00:00	15h58.5m	-21°46'	+32.9°	188.9°	02.2294	02.4965	+10.6	063.1°
09/23/21	00:00:00	16h00.5m	-22°02'	+32.5°	189.4°	02.2340	02.5102	+10.6	062.6°
09/24/21	00:00:00	16h02.6m	-22°17'	+32.2°	189.9°	02.2386	02.5241	+10.7	062.1°
09/25/21	00:00:00	16h04.6m	-22°32'	+31.9°	190.3°	02.2432	02.5379	+10.7	061.7°
09/26/21	00:00:00	16h06.7m	-22°48'	+31.6°	190.8°	02.2480	02.5518	+10.7	061.2°
09/27/21	00:00:00	16h08.7m	-23°02'	+31.3°	191.2°	02.2527	02.5657	+10.7	060.8°
09/28/21	00:00:00	16h10.8m	-23°17'	+30.9°	191.7°	02.2575	02.5796	+10.8	060.3°
09/29/21	00:00:00	16h12.9m	-23°32'	+30.6°	192.1°	02.2624	02.5935	+10.8	059.8°
09/30/21	00:00:00	16h15.0m	-23°46'	+30.3°	192.5°	02.2673	02.6075	+10.8	059.4°
10/01/21	00:00:00	16h17.1m	-24°00'	+30.0°	193.0°	02.2723	02.6215	+10.8	058.9°
10/02/21	00:00:00	16h19.2m	-24°14'	+29.7°	193.4°	02.2773	02.6355	+10.8	058.4°
10/03/21	00:00:00	16h21.3m	-24°28'	+29.4°	193.8°	02.2823	02.6496	+10.9	058.0°
10/04/21	00:00:00	16h23.4m	-24°41'	+29.1°	194.2°	02.2874	02.6636	+10.9	057.5°
10/05/21	00:00:00	16h25.5m	-24°55'	+28.7°	194.6°	02.2925	02.6777	+10.9	057.0°
10/06/21	00:00:00	16h27.6m	-25°08'	+28.4°	195.0°	02.2977	02.6918	+10.9	056.6°
10/07/21	00:00:00	16h29.8m	-25°21'	+28.1°	195.4°	02.3029	02.7059	+11.0	056.1°
10/08/21	00:00:00	16h31.9m	-25°33'	+27.8°	195.8°	02.3082	02.7200	+11.0	055.6°
10/09/21	00:00:00	16h34.0m	-25°46'	+27.5°	196.2°	02.3135	02.7342	+11.0	055.2°
10/10/21	00:00:00	16h36.2m	-25°58'	+27.2°	196.6°	02.3189	02.7483	+11.0	054.7°
10/11/21	00:00:00	16h38.4m	-26°11'	+26.9°	196.9°	02.3242	02.7624	+11.1	054.2°
10/12/21	00:00:00	16h40.5m	-26°23'	+26.6°	197.3°	02.3297	02.7766	+11.1	053.7°
10/13/21	00:00:00	16h42.7m	-26°34'	+26.3°	197.7°	02.3352	02.7907	+11.1	053.3°
10/14/21	00:00:00	16h44.9m	-26°46'	+26.0°	198.0°	02.3407	02.8049	+11.1	052.8°
10/15/21	00:00:00	16h47.0m	-26°57'	+25.7°	198.4°	02.3462	02.8191	+11.1	052.3°
10/16/21	00:00:00	16h49.2m	-27°09'	+25.4°	198.8°	02.3518	02.8332	+11.2	051.8°
10/17/21	00:00:00	16h51.4m	-27°20'	+25.1°	199.1°	02.3575	02.8474	+11.2	051.4°

Date	Time (UTC)	Epoch 2000		Alt	Az	Distance (AU)		Est Mag	Elong
		RA	Dec			Sun	Earth		
08/23/21	00:00:00	12h40.4m	-00°18'	+46.2°	222.7°	01.1639	01.7454	+10.9	039.7°
08/24/21	00:00:00	12h44.5m	-00°37'	+45.9°	222.4°	01.1707	01.7513	+11.0	039.9°
08/25/21	00:00:00	12h48.6m	-00°56'	+45.7°	222.1°	01.1776	01.7573	+11.1	040.0°
08/26/21	00:00:00	12h52.6m	-01°15'	+45.4°	221.8°	01.1846	01.7636	+11.1	040.1°
08/27/21	00:00:00	12h56.6m	-01°34'	+45.2°	221.6°	01.1917	01.7701	+11.2	040.2°
08/28/21	00:00:00	13h00.6m	-01°53'	+44.9°	221.3°	01.1989	01.7768	+11.2	040.2°
08/29/21	00:00:00	13h04.6m	-02°12'	+44.7°	221.1°	01.2062	01.7837	+11.3	040.3°
08/30/21	00:00:00	13h08.6m	-02°30'	+44.4°	220.8°	01.2135	01.7907	+11.3	040.4°
08/31/21	00:00:00	13h12.5m	-02°49'	+44.1°	220.6°	01.2210	01.7980	+11.4	040.5°
09/01/21	00:00:00	13h16.5m	-03°07'	+43.9°	220.4°	01.2285	01.8055	+11.5	040.5°
09/02/21	00:00:00	13h20.4m	-03°25'	+43.6°	220.2°	01.2360	01.8131	+11.5	040.6°
09/03/21	00:00:00	13h24.3m	-03°43'	+43.4°	219.9°	01.2437	01.8210	+11.6	040.7°
09/04/21	00:00:00	13h28.1m	-04°01'	+43.1°	219.8°	01.2514	01.8290	+11.6	040.7°
09/05/21	00:00:00	13h32.0m	-04°18'	+42.8°	219.6°	01.2591	01.8372	+11.7	040.8°
09/06/21	00:00:00	13h35.8m	-04°36'	+42.6°	219.4°	01.2670	01.8456	+11.8	040.8°
09/07/21	00:00:00	13h39.6m	-04°53'	+42.3°	219.2°	01.2748	01.8541	+11.8	040.8°
09/08/21	00:00:00	13h43.4m	-05°10'	+42.0°	219.1°	01.2828	01.8629	+11.9	040.8°
09/09/21	00:00:00	13h47.2m	-05°27'	+41.8°	218.9°	01.2908	01.8718	+11.9	040.9°
09/10/21	00:00:00	13h50.9m	-05°44'	+41.5°	218.8°	01.2988	01.8809	+12.0	040.9°
09/11/21	00:00:00	13h54.6m	-05°60'	+41.3°	218.7°	01.3069	01.8901	+12.1	040.9°
09/12/21	00:00:00	13h58.3m	-06°16'	+41.0°	218.6°	01.3151	01.8995	+12.1	040.9°
09/13/21	00:00:00	14h02.0m	-06°32'	+40.7°	218.5°	01.3233	01.9091	+12.2	040.9°
09/14/21	00:00:00	14h05.7m	-06°48'	+40.5°	218.4°	01.3315	01.9188	+12.2	040.8°
09/15/21	00:00:00	14h09.3m	-07°04'	+40.2°	218.3°	01.3398	01.9287	+12.3	040.8°
09/16/21	00:00:00	14h12.9m	-07°19'	+39.9°	218.2°	01.3481	01.9387	+12.4	040.8°
09/17/21	00:00:00	14h16.5m	-07°34'	+39.7°	218.1°	01.3565	01.9489	+12.4	040.7°
09/18/21	00:00:00	14h20.1m	-07°49'	+39.4°	218.1°	01.3649	01.9592	+12.5	040.7°
09/19/21	00:00:00	14h23.7m	-08°04'	+39.2°	218.0°	01.3733	01.9696	+12.6	040.6°
09/20/21	00:00:00	14h27.2m	-08°18'	+38.9°	217.9°	01.3818	01.9802	+12.6	040.6°
09/21/21	00:00:00	14h30.7m	-08°32'	+38.7°	217.9°	01.3903	01.9910	+12.7	040.5°
09/22/21	00:00:00	14h34.2m	-08°46'	+38.4°	217.9°	01.3988	02.0018	+12.7	040.5°
09/23/21	00:00:00	14h37.7m	-09°00'	+38.1°	217.9°	01.4074	02.0128	+12.8	040.4°
09/24/21	00:00:00	14h41.1m	-09°14'	+37.9°	217.8°	01.4160	02.0239	+12.9	040.3°
09/25/21	00:00:00	14h44.6m	-09°27'	+37.6°	217.8°	01.4246	02.0352	+12.9	040.2°
09/26/21	00:00:00	14h48.0m	-09°40'	+37.4°	217.8°	01.4332	02.0465	+13.0	040.1°
09/27/21	00:00:00	14h51.4m	-09°53'	+37.1°	217.8°	01.4419	02.0580	+13.0	040.0°
09/28/21	00:00:00	14h54.8m	-10°05'	+36.9°	217.9°	01.4506	02.0696	+13.1	039.9°
09/29/21	00:00:00	14h58.1m	-10°18'	+36.6°	217.9°	01.4593	02.0813	+13.2	039.8°
09/30/21	00:00:00	15h01.5m	-10°30'	+36.4°	217.9°	01.4680	02.0930	+13.2	039.6°
10/01/21	00:00:00	15h04.8m	-10°42'	+36.1°	217.9°	01.4768	02.1049	+13.3	039.5°
10/02/21	00:00:00	15h08.1m	-10°53'	+35.9°	218.0°	01.4856	02.1169	+13.4	039.4°
10/03/21	00:00:00	15h11.4m	-11°05'	+35.6°	218.0°	01.4943	02.1290	+13.4	039.2°
10/04/21	00:00:00	15h14.6m	-11°16'	+35.4°	218.1°	01.5031	02.1412	+13.5	039.1°
10/05/21	00:00:00	15h17.9m	-11°27'	+35.1°	218.2°	01.5120	02.1535	+13.5	038.9°
10/06/21	00:00:00	15h21.1m	-11°38'	+34.9°	218.2°	01.5208	02.1658	+13.6	038.7°
10/07/21	00:00:00	15h24.3m	-11°48'	+34.7°	218.3°	01.5296	02.1783	+13.7	038.6°
10/08/21	00:00:00	15h27.5m	-11°58'	+34.4°	218.4°	01.5385	02.1908	+13.7	038.4°
10/09/21	00:00:00	15h30.7m	-12°08'	+34.2°	218.5°	01.5474	02.2034	+13.8	038.2°
10/10/21	00:00:00	15h33.8m	-12°18'	+33.9°	218.6°	01.5562	02.2160	+13.8	038.0°
10/11/21	00:00:00	15h37.0m	-12°28'	+33.7°	218.7°	01.5651	02.2288	+13.9	037.8°
10/12/21	00:00:00	15h40.1m	-12°37'	+33.5°	218.8°	01.5740	02.2416	+13.9	037.6°
10/13/21	00:00:00	15h43.2m	-12°46'	+33.2°	218.9°	01.5829	02.2544	+14.0	037.4°
10/14/21	00:00:00	15h46.3m	-12°55'	+33.0°	219.0°	01.5918	02.2674	+14.1	037.2°
10/15/21	00:00:00	15h49.3m	-13°04'	+32.7°	219.1°	01.6007	02.2803	+14.1	037.0°
10/16/21	00:00:00	15h52.4m	-13°12'	+32.5°	219.3°	01.6097	02.2934	+14.2	036.8°
10/17/21	00:00:00	15h55.4m	-13°21'	+32.3°	219.4°	01.6186	02.3065	+14.2	036.6°

Date	Time (UTC)	Epoch 2000		Alt	Az	Distance (AU)		Est Mag	Elong
		RA	Dec			Sun	Earth		
08/23/21	00:00:00	16h59.0m	+34°29'	+60.0°	080.0°	05.5350	05.3751	+12.2	093.8°
08/24/21	00:00:00	16h58.8m	+34°17'	+60.8°	080.8°	05.5265	05.3756	+12.2	093.3°
08/25/21	00:00:00	16h58.5m	+34°05'	+61.7°	081.5°	05.5180	05.3762	+12.2	092.8°
08/26/21	00:00:00	16h58.3m	+33°53'	+62.5°	082.3°	05.5095	05.3768	+12.2	092.2°
08/27/21	00:00:00	16h58.1m	+33°40'	+63.3°	083.2°	05.5010	05.3776	+12.2	091.7°
08/28/21	00:00:00	16h57.9m	+33°28'	+64.1°	084.0°	05.4925	05.3784	+12.2	091.2°
08/29/21	00:00:00	16h57.7m	+33°16'	+64.9°	084.9°	05.4840	05.3793	+12.1	090.6°
08/30/21	00:00:00	16h57.5m	+33°03'	+65.7°	085.8°	05.4754	05.3802	+12.1	090.1°
08/31/21	00:00:00	16h57.4m	+32°51'	+66.5°	086.8°	05.4669	05.3812	+12.1	089.5°
09/01/21	00:00:00	16h57.2m	+32°39'	+67.2°	087.8°	05.4584	05.3823	+12.1	089.0°
09/02/21	00:00:00	16h57.1m	+32°26'	+68.0°	088.8°	05.4499	05.3834	+12.1	088.4°
09/03/21	00:00:00	16h57.0m	+32°14'	+68.8°	089.9°	05.4413	05.3846	+12.1	087.9°
09/04/21	00:00:00	16h56.9m	+32°01'	+69.6°	091.1°	05.4328	05.3858	+12.1	087.3°
09/05/21	00:00:00	16h56.8m	+31°49'	+70.4°	092.3°	05.4242	05.3871	+12.1	086.8°
09/06/21	00:00:00	16h56.8m	+31°36'	+71.1°	093.6°	05.4157	05.3884	+12.1	086.2°
09/07/21	00:00:00	16h56.7m	+31°24'	+71.9°	095.0°	05.4072	05.3898	+12.1	085.6°
09/08/21	00:00:00	16h56.7m	+31°11'	+72.6°	096.5°	05.3986	05.3912	+12.1	085.1°
09/09/21	00:00:00	16h56.7m	+30°59'	+73.4°	098.1°	05.3901	05.3926	+12.1	084.5°
09/10/21	00:00:00	16h56.7m	+30°46'	+74.1°	099.8°	05.3815	05.3941	+12.1	083.9°
09/11/21	00:00:00	16h56.7m	+30°34'	+74.8°	101.6°	05.3729	05.3956	+12.1	083.4°
09/12/21	00:00:00	16h56.7m	+30°21'	+75.5°	103.6°	05.3644	05.3972	+12.1	082.8°
09/13/21	00:00:00	16h56.7m	+30°08'	+76.2°	105.8°	05.3558	05.3987	+12.0	082.2°
09/14/21	00:00:00	16h56.8m	+29°56'	+76.9°	108.1°	05.3472	05.4003	+12.0	081.6°
09/15/21	00:00:00	16h56.9m	+29°43'	+77.6°	110.7°	05.3387	05.4019	+12.0	081.0°
09/16/21	00:00:00	16h56.9m	+29°31'	+78.2°	113.5°	05.3301	05.4035	+12.0	080.5°
09/17/21	00:00:00	16h57.0m	+29°18'	+78.8°	116.6°	05.3215	05.4052	+12.0	079.9°
09/18/21	00:00:00	16h57.1m	+29°06'	+79.4°	120.0°	05.3129	05.4068	+12.0	079.3°
09/19/21	00:00:00	16h57.2m	+28°53'	+79.9°	123.7°	05.3043	05.4084	+12.0	078.7°
09/20/21	00:00:00	16h57.4m	+28°41'	+80.4°	127.8°	05.2957	05.4101	+12.0	078.1°
09/21/21	00:00:00	16h57.5m	+28°29'	+80.9°	132.3°	05.2871	05.4118	+12.0	077.6°
09/22/21	00:00:00	16h57.7m	+28°16'	+81.3°	137.2°	05.2785	05.4134	+12.0	077.0°
09/23/21	00:00:00	16h57.9m	+28°04'	+81.6°	142.5°	05.2699	05.4151	+12.0	076.4°
09/24/21	00:00:00	16h58.0m	+27°51'	+81.9°	148.1°	05.2613	05.4167	+12.0	075.8°
09/25/21	00:00:00	16h58.2m	+27°39'	+82.1°	154.1°	05.2527	05.4183	+12.0	075.2°
09/26/21	00:00:00	16h58.4m	+27°27'	+82.2°	160.2°	05.2441	05.4199	+12.0	074.6°
09/27/21	00:00:00	16h58.7m	+27°15'	+82.2°	166.5°	05.2355	05.4215	+12.0	074.0°
09/28/21	00:00:00	16h58.9m	+27°02'	+82.1°	172.7°	05.2269	05.4231	+12.0	073.5°
09/29/21	00:00:00	16h59.1m	+26°50'	+82.0°	178.7°	05.2183	05.4247	+11.9	072.9°
09/30/21	00:00:00	16h59.4m	+26°38'	+81.7°	184.5°	05.2096	05.4262	+11.9	072.3°
10/01/21	00:00:00	16h59.7m	+26°26'	+81.5°	190.0°	05.2010	05.4277	+11.9	071.7°
10/02/21	00:00:00	16h59.9m	+26°14'	+81.1°	195.0°	05.1924	05.4292	+11.9	071.1°
10/03/21	00:00:00	17h00.2m	+26°02'	+80.7°	199.6°	05.1837	05.4307	+11.9	070.5°
10/04/21	00:00:00	17h00.5m	+25°50'	+80.2°	203.9°	05.1751	05.4321	+11.9	069.9°
10/05/21	00:00:00	17h00.8m	+25°38'	+79.7°	207.7°	05.1665	05.4334	+11.9	069.4°
10/06/21	00:00:00	17h01.2m	+25°26'	+79.2°	211.2°	05.1578	05.4348	+11.9	068.8°
10/07/21	00:00:00	17h01.5m	+25°15'	+78.6°	214.4°	05.1492	05.4361	+11.9	068.2°
10/08/21	00:00:00	17h01.9m	+25°03'	+78.0°	217.3°	05.1405	05.4373	+11.9	067.6°
10/09/21	00:00:00	17h02.2m	+24°51'	+77.4°	219.9°	05.1319	05.4385	+11.9	067.0°
10/10/21	00:00:00	17h02.6m	+24°40'	+76.7°	222.3°	05.1232	05.4396	+11.9	066.5°
10/11/21	00:00:00	17h03.0m	+24°28'	+76.1°	224.5°	05.1145	05.4407	+11.9	065.9°
10/12/21	00:00:00	17h03.4m	+24°17'	+75.4°	226.5°	05.1059	05.4417	+11.9	065.3°
10/13/21	00:00:00	17h03.8m	+24°05'	+74.7°	228.4°	05.0972	05.4427	+11.9	064.7°
10/14/21	00:00:00	17h04.2m	+23°54'	+74.1°	230.1°	05.0885	05.4435	+11.8	064.2°
10/15/21	00:00:00	17h04.6m	+23°43'	+73.4°	231.7°	05.0799	05.4444	+11.8	063.6°
10/16/21	00:00:00	17h05.0m	+23°31'	+72.7°	233.2°	05.0712	05.4451	+11.8	063.0°
10/17/21	00:00:00	17h05.5m	+23°20'	+71.9°	234.6°	05.0625	05.4458	+11.8	062.4°

Date	Time (UTC)	Epoch 2000		Alt	Az	Distance (AU)		Est Mag	Elong
		RA	Dec			Sun	Earth		
08/23/21	00:00:00	10h48.1m	+42°42'	+46.4°	297.8°	02.4052	03.1976	+14.9	032.4°
08/24/21	00:00:00	10h48.7m	+42°33'	+45.8°	297.8°	02.3917	03.1833	+14.9	032.4°
08/25/21	00:00:00	10h49.4m	+42°24'	+45.1°	297.7°	02.3781	03.1687	+14.9	032.4°
08/26/21	00:00:00	10h50.1m	+42°16'	+44.5°	297.7°	02.3645	03.1539	+14.8	032.5°
08/27/21	00:00:00	10h50.8m	+42°07'	+43.9°	297.6°	02.3509	03.1388	+14.8	032.6°
08/28/21	00:00:00	10h51.5m	+41°59'	+43.3°	297.6°	02.3372	03.1234	+14.8	032.6°
08/29/21	00:00:00	10h52.1m	+41°50'	+42.7°	297.6°	02.3236	03.1078	+14.8	032.8°
08/30/21	00:00:00	10h52.9m	+41°42'	+42.0°	297.6°	02.3099	03.0919	+14.7	032.9°
08/31/21	00:00:00	10h53.6m	+41°33'	+41.4°	297.6°	02.2962	03.0758	+14.7	033.0°
09/01/21	00:00:00	10h54.3m	+41°25'	+40.8°	297.6°	02.2824	03.0593	+14.7	033.2°
09/02/21	00:00:00	10h55.0m	+41°17'	+40.2°	297.6°	02.2686	03.0427	+14.6	033.3°
09/03/21	00:00:00	10h55.7m	+41°09'	+39.6°	297.7°	02.2548	03.0257	+14.6	033.5°
09/04/21	00:00:00	10h56.5m	+41°01'	+38.9°	297.7°	02.2410	03.0085	+14.6	033.7°
09/05/21	00:00:00	10h57.2m	+40°53'	+38.3°	297.8°	02.2271	02.9911	+14.6	034.0°
09/06/21	00:00:00	10h58.0m	+40°45'	+37.7°	297.8°	02.2133	02.9733	+14.5	034.2°
09/07/21	00:00:00	10h58.7m	+40°37'	+37.1°	297.9°	02.1994	02.9554	+14.5	034.4°
09/08/21	00:00:00	10h59.5m	+40°29'	+36.5°	298.0°	02.1854	02.9371	+14.5	034.7°
09/09/21	00:00:00	11h00.2m	+40°21'	+35.9°	298.0°	02.1715	02.9186	+14.4	035.0°
09/10/21	00:00:00	11h01.0m	+40°13'	+35.3°	298.1°	02.1575	02.8998	+14.4	035.3°
09/11/21	00:00:00	11h01.8m	+40°05'	+34.6°	298.2°	02.1435	02.8807	+14.4	035.6°
09/12/21	00:00:00	11h02.6m	+39°58'	+34.0°	298.3°	02.1294	02.8614	+14.3	035.9°
09/13/21	00:00:00	11h03.4m	+39°50'	+33.4°	298.4°	02.1153	02.8418	+14.3	036.2°
09/14/21	00:00:00	11h04.2m	+39°42'	+32.8°	298.5°	02.1012	02.8220	+14.3	036.6°
09/15/21	00:00:00	11h05.0m	+39°35'	+32.2°	298.6°	02.0871	02.8018	+14.2	036.9°
09/16/21	00:00:00	11h05.8m	+39°28'	+31.6°	298.7°	02.0730	02.7815	+14.2	037.3°
09/17/21	00:00:00	11h06.6m	+39°20'	+31.0°	298.9°	02.0588	02.7608	+14.2	037.7°
09/18/21	00:00:00	11h07.4m	+39°13'	+30.4°	299.0°	02.0446	02.7399	+14.1	038.0°
09/19/21	00:00:00	11h08.2m	+39°06'	+29.8°	299.1°	02.0303	02.7187	+14.1	038.4°
09/20/21	00:00:00	11h09.0m	+38°58'	+29.2°	299.3°	02.0161	02.6973	+14.1	038.8°
09/21/21	00:00:00	11h09.9m	+38°51'	+28.6°	299.4°	02.0018	02.6756	+14.0	039.3°
09/22/21	00:00:00	11h10.7m	+38°44'	+28.0°	299.6°	01.9874	02.6536	+14.0	039.7°
09/23/21	00:00:00	11h11.6m	+38°37'	+27.4°	299.7°	01.9731	02.6314	+13.9	040.1°
09/24/21	00:00:00	11h12.4m	+38°30'	+26.8°	299.9°	01.9587	02.6089	+13.9	040.6°
09/25/21	00:00:00	11h13.3m	+38°23'	+26.2°	300.1°	01.9443	02.5861	+13.9	041.0°
09/26/21	00:00:00	11h14.1m	+38°17'	+25.6°	300.2°	01.9298	02.5631	+13.8	041.5°
09/27/21	00:00:00	11h15.0m	+38°10'	+25.0°	300.4°	01.9154	02.5398	+13.8	042.0°
09/28/21	00:00:00	11h15.9m	+38°03'	+24.4°	300.6°	01.9009	02.5162	+13.7	042.4°
09/29/21	00:00:00	11h16.7m	+37°56'	+23.8°	300.8°	01.8864	02.4924	+13.7	042.9°
09/30/21	00:00:00	11h17.6m	+37°50'	+23.2°	301.0°	01.8718	02.4684	+13.7	043.4°
10/01/21	00:00:00	11h18.5m	+37°43'	+22.6°	301.2°	01.8572	02.4440	+13.6	043.9°
10/02/21	00:00:00	11h19.4m	+37°37'	+22.0°	301.4°	01.8426	02.4194	+13.6	044.4°
10/03/21	00:00:00	11h20.3m	+37°31'	+21.5°	301.6°	01.8280	02.3946	+13.5	044.9°
10/04/21	00:00:00	11h21.2m	+37°24'	+20.9°	301.8°	01.8133	02.3695	+13.5	045.4°
10/05/21	00:00:00	11h22.2m	+37°18'	+20.3°	302.0°	01.7986	02.3441	+13.4	045.9°
10/06/21	00:00:00	11h23.1m	+37°12'	+19.7°	302.2°	01.7839	02.3185	+13.4	046.5°
10/07/21	00:00:00	11h24.0m	+37°06'	+19.1°	302.4°	01.7691	02.2926	+13.4	047.0°
10/08/21	00:00:00	11h25.0m	+36°60'	+18.6°	302.6°	01.7543	02.2664	+13.3	047.5°
10/09/21	00:00:00	11h25.9m	+36°54'	+18.0°	302.9°	01.7395	02.2400	+13.3	048.1°
10/10/21	00:00:00	11h26.9m	+36°48'	+17.5°	303.1°	01.7247	02.2134	+13.2	048.6°
10/11/21	00:00:00	11h27.8m	+36°42'	+16.9°	303.3°	01.7098	02.1865	+13.2	049.2°
10/12/21	00:00:00	11h28.8m	+36°36'	+16.3°	303.6°	01.6949	02.1593	+13.1	049.7°
10/13/21	00:00:00	11h29.8m	+36°30'	+15.8°	303.8°	01.6800	02.1319	+13.1	050.3°
10/14/21	00:00:00	11h30.8m	+36°25'	+15.2°	304.1°	01.6650	02.1042	+13.0	050.8°
10/15/21	00:00:00	11h31.8m	+36°19'	+14.7°	304.3°	01.6500	02.0763	+12.9	051.4°
10/16/21	00:00:00	11h32.8m	+36°14'	+14.1°	304.6°	01.6350	02.0482	+12.9	052.0°
10/17/21	00:00:00	11h33.8m	+36°08'	+13.6°	304.8°	01.6200	02.0197	+12.8	052.5°

Date	Time (UTC)	Epoch 2000				Distance (AU)		Est Mag	Elong
		RA	Dec	Alt	Az	Sun	Earth		
08/23/21	00:00:00	10h48.1m	+42°42'	+46.4°	297.8°	02.4052	03.1976	+14.9	032.4°
08/24/21	00:00:00	10h48.7m	+42°33'	+45.8°	297.8°	02.3917	03.1833	+14.9	032.4°
08/25/21	00:00:00	10h49.4m	+42°24'	+45.1°	297.7°	02.3781	03.1687	+14.9	032.4°
08/26/21	00:00:00	10h50.1m	+42°16'	+44.5°	297.7°	02.3645	03.1539	+14.8	032.5°
08/27/21	00:00:00	10h50.8m	+42°07'	+43.9°	297.6°	02.3509	03.1388	+14.8	032.6°
08/28/21	00:00:00	10h51.5m	+41°59'	+43.3°	297.6°	02.3372	03.1234	+14.8	032.6°
08/29/21	00:00:00	10h52.1m	+41°50'	+42.7°	297.6°	02.3236	03.1078	+14.8	032.8°
08/30/21	00:00:00	10h52.9m	+41°42'	+42.0°	297.6°	02.3099	03.0919	+14.7	032.9°
08/31/21	00:00:00	10h53.6m	+41°33'	+41.4°	297.6°	02.2962	03.0758	+14.7	033.0°
09/01/21	00:00:00	10h54.3m	+41°25'	+40.8°	297.6°	02.2824	03.0593	+14.7	033.2°
09/02/21	00:00:00	10h55.0m	+41°17'	+40.2°	297.6°	02.2686	03.0427	+14.6	033.3°
09/03/21	00:00:00	10h55.7m	+41°09'	+39.6°	297.7°	02.2548	03.0257	+14.6	033.5°
09/04/21	00:00:00	10h56.5m	+41°01'	+38.9°	297.7°	02.2410	03.0085	+14.6	033.7°
09/05/21	00:00:00	10h57.2m	+40°53'	+38.3°	297.8°	02.2271	02.9911	+14.6	034.0°
09/06/21	00:00:00	10h58.0m	+40°45'	+37.7°	297.8°	02.2133	02.9733	+14.5	034.2°
09/07/21	00:00:00	10h58.7m	+40°37'	+37.1°	297.9°	02.1994	02.9554	+14.5	034.4°
09/08/21	00:00:00	10h59.5m	+40°29'	+36.5°	298.0°	02.1854	02.9371	+14.5	034.7°
09/09/21	00:00:00	11h00.2m	+40°21'	+35.9°	298.0°	02.1715	02.9186	+14.4	035.0°
09/10/21	00:00:00	11h01.0m	+40°13'	+35.3°	298.1°	02.1575	02.8998	+14.4	035.3°
09/11/21	00:00:00	11h01.8m	+40°05'	+34.6°	298.2°	02.1435	02.8807	+14.4	035.6°
09/12/21	00:00:00	11h02.6m	+39°58'	+34.0°	298.3°	02.1294	02.8614	+14.3	035.9°
09/13/21	00:00:00	11h03.4m	+39°50'	+33.4°	298.4°	02.1153	02.8418	+14.3	036.2°
09/14/21	00:00:00	11h04.2m	+39°42'	+32.8°	298.5°	02.1012	02.8220	+14.3	036.6°
09/15/21	00:00:00	11h05.0m	+39°35'	+32.2°	298.6°	02.0871	02.8018	+14.2	036.9°
09/16/21	00:00:00	11h05.8m	+39°28'	+31.6°	298.7°	02.0730	02.7815	+14.2	037.3°
09/17/21	00:00:00	11h06.6m	+39°20'	+31.0°	298.9°	02.0588	02.7608	+14.2	037.7°
09/18/21	00:00:00	11h07.4m	+39°13'	+30.4°	299.0°	02.0446	02.7399	+14.1	038.0°
09/19/21	00:00:00	11h08.2m	+39°06'	+29.8°	299.1°	02.0303	02.7187	+14.1	038.4°
09/20/21	00:00:00	11h09.0m	+38°58'	+29.2°	299.3°	02.0161	02.6973	+14.1	038.8°
09/21/21	00:00:00	11h09.9m	+38°51'	+28.6°	299.4°	02.0018	02.6756	+14.0	039.3°
09/22/21	00:00:00	11h10.7m	+38°44'	+28.0°	299.6°	01.9874	02.6536	+14.0	039.7°
09/23/21	00:00:00	11h11.6m	+38°37'	+27.4°	299.7°	01.9731	02.6314	+13.9	040.1°
09/24/21	00:00:00	11h12.4m	+38°30'	+26.8°	299.9°	01.9587	02.6089	+13.9	040.6°
09/25/21	00:00:00	11h13.3m	+38°23'	+26.2°	300.1°	01.9443	02.5861	+13.9	041.0°
09/26/21	00:00:00	11h14.1m	+38°17'	+25.6°	300.2°	01.9298	02.5631	+13.8	041.5°
09/27/21	00:00:00	11h15.0m	+38°10'	+25.0°	300.4°	01.9154	02.5398	+13.8	042.0°
09/28/21	00:00:00	11h15.9m	+38°03'	+24.4°	300.6°	01.9009	02.5162	+13.7	042.4°
09/29/21	00:00:00	11h16.7m	+37°56'	+23.8°	300.8°	01.8864	02.4924	+13.7	042.9°
09/30/21	00:00:00	11h17.6m	+37°50'	+23.2°	301.0°	01.8718	02.4684	+13.7	043.4°
10/01/21	00:00:00	11h18.5m	+37°43'	+22.6°	301.2°	01.8572	02.4440	+13.6	043.9°
10/02/21	00:00:00	11h19.4m	+37°37'	+22.0°	301.4°	01.8426	02.4194	+13.6	044.4°
10/03/21	00:00:00	11h20.3m	+37°31'	+21.5°	301.6°	01.8280	02.3946	+13.5	044.9°
10/04/21	00:00:00	11h21.2m	+37°24'	+20.9°	301.8°	01.8133	02.3695	+13.5	045.4°
10/05/21	00:00:00	11h22.2m	+37°18'	+20.3°	302.0°	01.7986	02.3441	+13.4	045.9°
10/06/21	00:00:00	11h23.1m	+37°12'	+19.7°	302.2°	01.7839	02.3185	+13.4	046.5°
10/07/21	00:00:00	11h24.0m	+37°06'	+19.1°	302.4°	01.7691	02.2926	+13.4	047.0°
10/08/21	00:00:00	11h25.0m	+36°60'	+18.6°	302.6°	01.7543	02.2664	+13.3	047.5°
10/09/21	00:00:00	11h25.9m	+36°54'	+18.0°	302.9°	01.7395	02.2400	+13.3	048.1°
10/10/21	00:00:00	11h26.9m	+36°48'	+17.5°	303.1°	01.7247	02.2134	+13.2	048.6°
10/11/21	00:00:00	11h27.8m	+36°42'	+16.9°	303.3°	01.7098	02.1865	+13.2	049.2°
10/12/21	00:00:00	11h28.8m	+36°36'	+16.3°	303.6°	01.6949	02.1593	+13.1	049.7°
10/13/21	00:00:00	11h29.8m	+36°30'	+15.8°	303.8°	01.6800	02.1319	+13.1	050.3°
10/14/21	00:00:00	11h30.8m	+36°25'	+15.2°	304.1°	01.6650	02.1042	+13.0	050.8°
10/15/21	00:00:00	11h31.8m	+36°19'	+14.7°	304.3°	01.6500	02.0763	+12.9	051.4°
10/16/21	00:00:00	11h32.8m	+36°14'	+14.1°	304.6°	01.6350	02.0482	+12.9	052.0°
10/17/21	00:00:00	11h33.8m	+36°08'	+13.6°	304.8°	01.6200	02.0197	+12.8	052.5°
08/23/21	00:00:00	06h44.3m	+46°11'	+08.9°	321.4°	03.7738	04.2609	+11.7	055.0°

Date	Time (UTC)	Epoch 2000		Alt	Az	Distance (AU)		Est Mag	Elong
		RA	Dec			Sun	Earth		
08/23/21	00:00:00	04h24.1m	+18°57'	-30.0°	329.3°	01.6287	01.4166	+10.9	082.4°
08/24/21	00:00:00	04h26.8m	+18°57'	-30.1°	329.6°	01.6276	01.4092	+10.9	082.8°
08/25/21	00:00:00	04h29.6m	+18°57'	-30.3°	329.8°	01.6266	01.4018	+10.8	083.1°
08/26/21	00:00:00	04h32.3m	+18°57'	-30.4°	330.1°	01.6256	01.3946	+10.8	083.4°
08/27/21	00:00:00	04h35.1m	+18°56'	-30.5°	330.4°	01.6247	01.3873	+10.8	083.7°
08/28/21	00:00:00	04h37.8m	+18°55'	-30.7°	330.7°	01.6239	01.3801	+10.8	084.1°
08/29/21	00:00:00	04h40.5m	+18°54'	-30.8°	331.0°	01.6231	01.3730	+10.8	084.4°
08/30/21	00:00:00	04h43.2m	+18°53'	-30.9°	331.3°	01.6224	01.3660	+10.8	084.7°
08/31/21	00:00:00	04h45.9m	+18°51'	-31.1°	331.6°	01.6217	01.3589	+10.8	085.1°
09/01/21	00:00:00	04h48.6m	+18°49'	-31.2°	331.9°	01.6212	01.3520	+10.8	085.4°
09/02/21	00:00:00	04h51.2m	+18°47'	-31.4°	332.2°	01.6207	01.3451	+10.7	085.8°
09/03/21	00:00:00	04h53.9m	+18°45'	-31.5°	332.5°	01.6202	01.3382	+10.7	086.1°
09/04/21	00:00:00	04h56.5m	+18°42'	-31.7°	332.9°	01.6198	01.3314	+10.7	086.5°
09/05/21	00:00:00	04h59.1m	+18°39'	-31.9°	333.2°	01.6195	01.3247	+10.7	086.8°
09/06/21	00:00:00	05h01.8m	+18°36'	-32.0°	333.5°	01.6192	01.3180	+10.7	087.2°
09/07/21	00:00:00	05h04.4m	+18°33'	-32.2°	333.8°	01.6191	01.3114	+10.7	087.5°
09/08/21	00:00:00	05h06.9m	+18°30'	-32.4°	334.1°	01.6189	01.3048	+10.7	087.9°
09/09/21	00:00:00	05h09.5m	+18°26'	-32.6°	334.5°	01.6189	01.2982	+10.7	088.3°
09/10/21	00:00:00	05h12.0m	+18°22'	-32.8°	334.8°	01.6189	01.2917	+10.6	088.6°
09/11/21	00:00:00	05h14.6m	+18°18'	-32.9°	335.2°	01.6189	01.2853	+10.6	089.0°
09/12/21	00:00:00	05h17.1m	+18°14'	-33.1°	335.5°	01.6191	01.2789	+10.6	089.4°
09/13/21	00:00:00	05h19.6m	+18°09'	-33.3°	335.9°	01.6193	01.2725	+10.6	089.8°
09/14/21	00:00:00	05h22.0m	+18°04'	-33.5°	336.2°	01.6195	01.2662	+10.6	090.2°
09/15/21	00:00:00	05h24.5m	+17°59'	-33.7°	336.6°	01.6199	01.2600	+10.6	090.6°
09/16/21	00:00:00	05h26.9m	+17°54'	-33.9°	337.0°	01.6203	01.2538	+10.6	091.0°
09/17/21	00:00:00	05h29.3m	+17°49'	-34.1°	337.3°	01.6207	01.2476	+10.6	091.4°
09/18/21	00:00:00	05h31.7m	+17°43'	-34.3°	337.7°	01.6213	01.2415	+10.6	091.8°
09/19/21	00:00:00	05h34.0m	+17°37'	-34.6°	338.1°	01.6218	01.2354	+10.6	092.2°
09/20/21	00:00:00	05h36.4m	+17°31'	-34.8°	338.5°	01.6225	01.2294	+10.6	092.6°
09/21/21	00:00:00	05h38.7m	+17°25'	-35.0°	338.9°	01.6232	01.2234	+10.5	093.0°
09/22/21	00:00:00	05h41.0m	+17°19'	-35.2°	339.4°	01.6240	01.2174	+10.5	093.5°
09/23/21	00:00:00	05h43.3m	+17°13'	-35.4°	339.8°	01.6248	01.2115	+10.5	093.9°
09/24/21	00:00:00	05h45.5m	+17°06'	-35.7°	340.2°	01.6258	01.2057	+10.5	094.3°
09/25/21	00:00:00	05h47.7m	+16°59'	-35.9°	340.7°	01.6267	01.1999	+10.5	094.8°
09/26/21	00:00:00	05h49.9m	+16°52'	-36.1°	341.1°	01.6278	01.1941	+10.5	095.2°
09/27/21	00:00:00	05h52.1m	+16°45'	-36.3°	341.6°	01.6289	01.1884	+10.5	095.7°
09/28/21	00:00:00	05h54.2m	+16°38'	-36.6°	342.1°	01.6300	01.1827	+10.5	096.2°
09/29/21	00:00:00	05h56.3m	+16°30'	-36.8°	342.6°	01.6313	01.1771	+10.5	096.6°
09/30/21	00:00:00	05h58.4m	+16°23'	-37.1°	343.1°	01.6326	01.1714	+10.5	097.1°
10/01/21	00:00:00	06h00.4m	+16°15'	-37.3°	343.6°	01.6339	01.1659	+10.5	097.6°
10/02/21	00:00:00	06h02.5m	+16°07'	-37.5°	344.1°	01.6353	01.1604	+10.5	098.1°
10/03/21	00:00:00	06h04.5m	+15°59'	-37.8°	344.6°	01.6368	01.1549	+10.5	098.6°
10/04/21	00:00:00	06h06.4m	+15°51'	-38.0°	345.2°	01.6383	01.1495	+10.4	099.1°
10/05/21	00:00:00	06h08.3m	+15°43'	-38.2°	345.8°	01.6399	01.1441	+10.4	099.6°
10/06/21	00:00:00	06h10.2m	+15°34'	-38.5°	346.3°	01.6416	01.1387	+10.4	100.1°
10/07/21	00:00:00	06h12.1m	+15°26'	-38.7°	346.9°	01.6433	01.1334	+10.4	100.6°
10/08/21	00:00:00	06h13.9m	+15°17'	-38.9°	347.5°	01.6451	01.1281	+10.4	101.1°
10/09/21	00:00:00	06h15.7m	+15°09'	-39.2°	348.1°	01.6469	01.1229	+10.4	101.7°
10/10/21	00:00:00	06h17.5m	+14°60'	-39.4°	348.8°	01.6489	01.1177	+10.4	102.2°
10/11/21	00:00:00	06h19.2m	+14°51'	-39.6°	349.4°	01.6508	01.1126	+10.4	102.8°
10/12/21	00:00:00	06h20.9m	+14°42'	-39.9°	350.1°	01.6528	01.1075	+10.4	103.3°
10/13/21	00:00:00	06h22.6m	+14°33'	-40.1°	350.8°	01.6549	01.1024	+10.4	103.9°
10/14/21	00:00:00	06h24.2m	+14°24'	-40.3°	351.5°	01.6571	01.0974	+10.4	104.5°
10/15/21	00:00:00	06h25.8m	+14°15'	-40.5°	352.2°	01.6593	01.0925	+10.4	105.0°
10/16/21	00:00:00	06h27.4m	+14°06'	-40.8°	352.9°	01.6615	01.0876	+10.4	105.6°
10/17/21	00:00:00	06h28.9m	+13°56'	-41.0°	353.7°	01.6638	01.0827	+10.4	106.2°

Date	Time (UTC)	Epoch 2000		Alt	Az	Distance (AU)		Est Mag	Elong
		RA	Dec			Sun	Earth		
08/23/21	00:00:00	06h22.9m	+26°37'	-07.9°	310.3°	01.1494	01.3835	+11.7	054.7°
08/24/21	00:00:00	06h26.3m	+26°40'	-07.9°	310.5°	01.1565	01.3883	+11.8	055.0°
08/25/21	00:00:00	06h29.7m	+26°43'	-08.0°	310.6°	01.1636	01.3931	+11.9	055.2°
08/26/21	00:00:00	06h33.0m	+26°46'	-08.0°	310.7°	01.1709	01.3977	+11.9	055.4°
08/27/21	00:00:00	06h36.2m	+26°48'	-08.1°	310.9°	01.1783	01.4023	+12.0	055.6°
08/28/21	00:00:00	06h39.5m	+26°50'	-08.2°	311.0°	01.1857	01.4068	+12.1	055.9°
08/29/21	00:00:00	06h42.7m	+26°52'	-08.3°	311.2°	01.1933	01.4112	+12.2	056.2°
08/30/21	00:00:00	06h45.8m	+26°54'	-08.4°	311.3°	01.2009	01.4155	+12.2	056.4°
08/31/21	00:00:00	06h49.0m	+26°55'	-08.5°	311.5°	01.2086	01.4198	+12.3	056.7°
09/01/21	00:00:00	06h52.1m	+26°56'	-08.6°	311.6°	01.2164	01.4239	+12.4	057.0°
09/02/21	00:00:00	06h55.1m	+26°57'	-08.7°	311.8°	01.2243	01.4279	+12.5	057.3°
09/03/21	00:00:00	06h58.1m	+26°58'	-08.9°	311.9°	01.2322	01.4318	+12.5	057.6°
09/04/21	00:00:00	07h01.1m	+26°58'	-09.0°	312.1°	01.2403	01.4357	+12.6	057.9°
09/05/21	00:00:00	07h04.1m	+26°58'	-09.2°	312.2°	01.2484	01.4394	+12.7	058.2°
09/06/21	00:00:00	07h07.0m	+26°58'	-09.3°	312.4°	01.2566	01.4430	+12.8	058.5°
09/07/21	00:00:00	07h09.9m	+26°58'	-09.5°	312.6°	01.2648	01.4465	+12.9	058.8°
09/08/21	00:00:00	07h12.7m	+26°58'	-09.6°	312.8°	01.2731	01.4499	+12.9	059.2°
09/09/21	00:00:00	07h15.5m	+26°58'	-09.8°	313.0°	01.2815	01.4532	+13.0	059.5°
09/10/21	00:00:00	07h18.3m	+26°57'	-10.0°	313.1°	01.2899	01.4564	+13.1	059.9°
09/11/21	00:00:00	07h21.1m	+26°56'	-10.2°	313.3°	01.2984	01.4595	+13.2	060.3°
09/12/21	00:00:00	07h23.8m	+26°56'	-10.4°	313.5°	01.3069	01.4624	+13.2	060.6°
09/13/21	00:00:00	07h26.4m	+26°55'	-10.6°	313.7°	01.3155	01.4653	+13.3	061.0°
09/14/21	00:00:00	07h29.1m	+26°54'	-10.8°	314.0°	01.3241	01.4680	+13.4	061.4°
09/15/21	00:00:00	07h31.7m	+26°52'	-11.0°	314.2°	01.3328	01.4707	+13.5	061.8°
09/16/21	00:00:00	07h34.2m	+26°51'	-11.2°	314.4°	01.3416	01.4732	+13.5	062.2°
09/17/21	00:00:00	07h36.8m	+26°50'	-11.4°	314.6°	01.3503	01.4756	+13.6	062.6°
09/18/21	00:00:00	07h39.2m	+26°48'	-11.7°	314.8°	01.3592	01.4779	+13.7	063.0°
09/19/21	00:00:00	07h41.7m	+26°47'	-11.9°	315.1°	01.3680	01.4800	+13.8	063.5°
09/20/21	00:00:00	07h44.1m	+26°45'	-12.2°	315.3°	01.3769	01.4821	+13.8	063.9°
09/21/21	00:00:00	07h46.5m	+26°43'	-12.4°	315.6°	01.3859	01.4840	+13.9	064.4°
09/22/21	00:00:00	07h48.9m	+26°42'	-12.6°	315.8°	01.3948	01.4858	+14.0	064.8°
09/23/21	00:00:00	07h51.2m	+26°40'	-12.9°	316.1°	01.4039	01.4875	+14.0	065.3°
09/24/21	00:00:00	07h53.5m	+26°38'	-13.2°	316.4°	01.4129	01.4891	+14.1	065.7°
09/25/21	00:00:00	07h55.7m	+26°36'	-13.4°	316.7°	01.4220	01.4906	+14.2	066.2°
09/26/21	00:00:00	07h57.9m	+26°34'	-13.7°	317.0°	01.4311	01.4920	+14.3	066.7°
09/27/21	00:00:00	08h00.1m	+26°32'	-14.0°	317.3°	01.4402	01.4932	+14.3	067.2°
09/28/21	00:00:00	08h02.3m	+26°30'	-14.2°	317.6°	01.4493	01.4943	+14.4	067.7°
09/29/21	00:00:00	08h04.4m	+26°28'	-14.5°	317.9°	01.4585	01.4953	+14.5	068.2°
09/30/21	00:00:00	08h06.5m	+26°26'	-14.8°	318.2°	01.4677	01.4962	+14.5	068.7°
10/01/21	00:00:00	08h08.5m	+26°24'	-15.1°	318.5°	01.4769	01.4970	+14.6	069.2°
10/02/21	00:00:00	08h10.5m	+26°22'	-15.4°	318.9°	01.4862	01.4976	+14.7	069.8°
10/03/21	00:00:00	08h12.5m	+26°20'	-15.7°	319.2°	01.4954	01.4982	+14.7	070.3°
10/04/21	00:00:00	08h14.4m	+26°18'	-16.0°	319.6°	01.5047	01.4986	+14.8	070.9°
10/05/21	00:00:00	08h16.3m	+26°16'	-16.3°	319.9°	01.5140	01.4989	+14.9	071.4°
10/06/21	00:00:00	08h18.2m	+26°14'	-16.6°	320.3°	01.5233	01.4991	+14.9	072.0°
10/07/21	00:00:00	08h20.0m	+26°13'	-16.9°	320.7°	01.5327	01.4992	+15.0	072.6°
10/08/21	00:00:00	08h21.8m	+26°11'	-17.2°	321.1°	01.5420	01.4992	+15.1	073.2°
10/09/21	00:00:00	08h23.6m	+26°09'	-17.5°	321.5°	01.5514	01.4991	+15.1	073.7°
10/10/21	00:00:00	08h25.3m	+26°07'	-17.8°	321.9°	01.5607	01.4988	+15.2	074.3°
10/11/21	00:00:00	08h27.0m	+26°05'	-18.1°	322.3°	01.5701	01.4985	+15.3	074.9°
10/12/21	00:00:00	08h28.7m	+26°04'	-18.4°	322.7°	01.5795	01.4980	+15.3	075.6°
10/13/21	00:00:00	08h30.3m	+26°02'	-18.7°	323.2°	01.5889	01.4975	+15.4	076.2°
10/14/21	00:00:00	08h31.9m	+26°01'	-19.0°	323.6°	01.5983	01.4968	+15.5	076.8°
10/15/21	00:00:00	08h33.5m	+25°59'	-19.3°	324.1°	01.6077	01.4960	+15.5	077.5°
10/16/21	00:00:00	08h35.0m	+25°58'	-19.6°	324.6°	01.6171	01.4952	+15.6	078.1°
10/17/21	00:00:00	08h36.5m	+25°57'	-19.9°	325.1°	01.6266	01.4942	+15.7	078.8°

Date	Time (UTC)	Epoch 2000		Alt	Az	Distance (AU)		Est Mag	Elong
		RA	Dec			Sun	Earth		
08/23/21	00:00:00	08h26.8m	+09°20'	+04.2°	278.5°	01.0286	01.8541	+09.5	024.9°
08/24/21	00:00:00	08h30.0m	+08°34'	+03.6°	277.9°	01.0276	01.8498	+09.5	025.1°
08/25/21	00:00:00	08h33.2m	+07°47'	+03.0°	277.4°	01.0269	01.8458	+09.5	025.3°
08/26/21	00:00:00	08h36.4m	+06°60'	+02.4°	276.9°	01.0264	01.8419	+09.5	025.5°
08/27/21	00:00:00	08h39.6m	+06°13'	+01.8°	276.3°	01.0261	01.8382	+09.5	025.7°
08/28/21	00:00:00	08h42.8m	+05°25'	+01.2°	275.8°	01.0260	01.8347	+09.5	025.9°
08/29/21	00:00:00	08h46.0m	+04°37'	+00.6°	275.2°	01.0262	01.8314	+09.5	026.1°
08/30/21	00:00:00	08h49.2m	+03°49'	+00.0°	274.7°	01.0266	01.8283	+09.5	026.4°
08/31/21	00:00:00	08h52.5m	+03°01'	-00.6°	274.1°	01.0272	01.8254	+09.5	026.6°
09/01/21	00:00:00	08h55.7m	+02°13'	-01.3°	273.6°	01.0281	01.8228	+09.5	026.8°
09/02/21	00:00:00	08h58.9m	+01°24'	-01.9°	273.0°	01.0292	01.8203	+09.5	027.0°
09/03/21	00:00:00	09h02.1m	+00°35'	-02.5°	272.4°	01.0305	01.8180	+09.5	027.3°
09/04/21	00:00:00	09h05.4m	-00°13'	-03.1°	271.9°	01.0321	01.8160	+09.5	027.5°
09/05/21	00:00:00	09h08.6m	-01°02'	-03.7°	271.3°	01.0338	01.8141	+09.5	027.7°
09/06/21	00:00:00	09h11.8m	-01°51'	-04.3°	270.7°	01.0358	01.8125	+09.5	027.9°
09/07/21	00:00:00	09h15.1m	-02°40'	-04.9°	270.2°	01.0380	01.8112	+09.5	028.2°
09/08/21	00:00:00	09h18.4m	-03°30'	-05.5°	269.6°	01.0405	01.8100	+09.5	028.4°
09/09/21	00:00:00	09h21.6m	-04°19'	-06.1°	269.0°	01.0431	01.8091	+09.5	028.6°
09/10/21	00:00:00	09h24.9m	-05°08'	-06.7°	268.4°	01.0460	01.8085	+09.5	028.8°
09/11/21	00:00:00	09h28.2m	-05°57'	-07.3°	267.8°	01.0491	01.8081	+09.5	029.1°
09/12/21	00:00:00	09h31.5m	-06°46'	-07.9°	267.2°	01.0524	01.8079	+09.6	029.3°
09/13/21	00:00:00	09h34.8m	-07°35'	-08.5°	266.7°	01.0559	01.8080	+09.6	029.5°
09/14/21	00:00:00	09h38.1m	-08°24'	-09.1°	266.1°	01.0596	01.8083	+09.6	029.7°
09/15/21	00:00:00	09h41.4m	-09°13'	-09.7°	265.5°	01.0635	01.8089	+09.6	030.0°
09/16/21	00:00:00	09h44.7m	-10°01'	-10.3°	264.9°	01.0676	01.8097	+09.6	030.2°
09/17/21	00:00:00	09h48.1m	-10°50'	-10.8°	264.3°	01.0719	01.8108	+09.7	030.4°
09/18/21	00:00:00	09h51.4m	-11°38'	-11.4°	263.7°	01.0764	01.8121	+09.7	030.6°
09/19/21	00:00:00	09h54.8m	-12°26'	-12.0°	263.1°	01.0810	01.8137	+09.7	030.8°
09/20/21	00:00:00	09h58.2m	-13°14'	-12.5°	262.5°	01.0859	01.8155	+09.7	031.0°
09/21/21	00:00:00	10h01.6m	-14°02'	-13.1°	261.9°	01.0909	01.8176	+09.8	031.2°
09/22/21	00:00:00	10h05.0m	-14°49'	-13.6°	261.3°	01.0961	01.8199	+09.8	031.4°
09/23/21	00:00:00	10h08.4m	-15°37'	-14.1°	260.6°	01.1015	01.8225	+09.8	031.6°
09/24/21	00:00:00	10h11.8m	-16°23'	-14.7°	260.0°	01.1071	01.8254	+09.9	031.8°
09/25/21	00:00:00	10h15.2m	-17°10'	-15.2°	259.4°	01.1128	01.8284	+09.9	032.0°
09/26/21	00:00:00	10h18.7m	-17°56'	-15.7°	258.8°	01.1187	01.8318	+09.9	032.2°
09/27/21	00:00:00	10h22.1m	-18°42'	-16.2°	258.2°	01.1247	01.8354	+10.0	032.4°
09/28/21	00:00:00	10h25.6m	-19°27'	-16.7°	257.6°	01.1309	01.8392	+10.0	032.5°
09/29/21	00:00:00	10h29.1m	-20°12'	-17.2°	257.0°	01.1373	01.8433	+10.0	032.7°
09/30/21	00:00:00	10h32.6m	-20°57'	-17.7°	256.4°	01.1438	01.8476	+10.1	032.9°
10/01/21	00:00:00	10h36.1m	-21°41'	-18.1°	255.8°	01.1504	01.8521	+10.1	033.0°
10/02/21	00:00:00	10h39.6m	-22°25'	-18.6°	255.2°	01.1572	01.8569	+10.1	033.2°
10/03/21	00:00:00	10h43.1m	-23°08'	-19.1°	254.6°	01.1641	01.8619	+10.2	033.3°
10/04/21	00:00:00	10h46.6m	-23°51'	-19.5°	254.0°	01.1712	01.8671	+10.2	033.5°
10/05/21	00:00:00	10h50.2m	-24°33'	-19.9°	253.4°	01.1784	01.8726	+10.3	033.6°
10/06/21	00:00:00	10h53.7m	-25°15'	-20.4°	252.8°	01.1857	01.8783	+10.3	033.8°
10/07/21	00:00:00	10h57.3m	-25°56'	-20.8°	252.2°	01.1931	01.8842	+10.3	033.9°
10/08/21	00:00:00	11h00.9m	-26°37'	-21.2°	251.6°	01.2006	01.8903	+10.4	034.0°
10/09/21	00:00:00	11h04.5m	-27°17'	-21.6°	251.0°	01.2083	01.8966	+10.4	034.2°
10/10/21	00:00:00	11h08.1m	-27°57'	-22.0°	250.4°	01.2160	01.9031	+10.5	034.3°
10/11/21	00:00:00	11h11.7m	-28°36'	-22.3°	249.9°	01.2239	01.9098	+10.5	034.4°
10/12/21	00:00:00	11h15.3m	-29°14'	-22.7°	249.3°	01.2319	01.9167	+10.5	034.5°
10/13/21	00:00:00	11h19.0m	-29°52'	-23.1°	248.7°	01.2399	01.9237	+10.6	034.6°
10/14/21	00:00:00	11h22.6m	-30°30'	-23.4°	248.1°	01.2481	01.9310	+10.6	034.7°
10/15/21	00:00:00	11h26.3m	-31°06'	-23.8°	247.6°	01.2564	01.9384	+10.7	034.8°
10/16/21	00:00:00	11h29.9m	-31°43'	-24.1°	247.0°	01.2647	01.9460	+10.7	034.9°
10/17/21	00:00:00	11h33.6m	-32°18'	-24.4°	246.5°	01.2732	01.9538	+10.8	035.0°