

DUT1 = UT1-UTC = -0.0097 sec ΔT = TT-UT1 = +69.1937 sec

2026 September 19 to Sep. 21 UT

Moon (19 th Sep)						Lunar Distance (objects with largest hourly LD delta)							
Sat	GHA	ν	Dec	d	HP	-Saturn	-Fomalhaut	-Altair	+Antares	+Venus	+Spica	+Arcturus	+Sun
0	90°39.6	10.0°	S28°02.1	0.8°	54.2°	104°38.0	66°35.9	47°27.5	17°22.7	52°26.1	63°17.2	69°37.0	91°28.7
1	105°08.5	10.0°	28°01.4	0.9°	54.2°	104°08.4	66°08.8	47°06.7	17°52.3	52°54.6	63°46.7	70°00.5	91°55.9
2	119°37.5	10.0°	28°00.5	1.0°	54.2°	103°38.8	65°41.7	46°46.1	18°21.9	53°23.0	64°16.3	70°23.9	92°23.0
3	134°06.5	10.0°	27°59.4	1.2°	54.2°	103°09.2	65°14.6	46°25.6	18°51.5	53°51.4	64°45.9	70°47.4	92°50.1
4	148°35.5	10.0°	27°58.2	1.3°	54.2°	102°39.6	64°47.5	46°05.2	19°21.0	54°19.8	65°15.4	71°11.0	93°17.3
5	163°04.5	10.0°	27°56.9	1.4°	54.2°	102°10.1	64°20.4	45°45.0	19°50.6	54°48.2	65°45.0	71°34.5	93°44.4
6	177°33.5	10.0°	S27°55.5	1.6°	54.2°	101°40.5	63°53.4	45°24.9	20°20.2	55°16.7	66°14.6	71°58.1	94°11.5
7	192°02.5	10.0°	27°53.9	1.7°	54.2°	101°10.9	63°26.4	45°04.9	20°49.8	55°45.1	66°44.1	72°21.8	94°38.7
8	206°31.5	10.1°	27°52.2	1.9°	54.2°	100°41.3	62°59.4	44°45.1	21°19.4	56°13.5	67°13.7	72°45.4	95°05.8
9	221°00.6	10.1°	27°50.3	2.0°	54.2°	100°11.7	62°32.4	44°25.4	21°48.9	56°42.0	67°43.3	73°09.1	95°32.9
10	235°29.6	10.1°	27°48.3	2.1°	54.2°	99°42.1	62°05.5	44°05.8	22°18.5	57°10.4	68°12.8	73°32.9	96°00.1
11	249°58.7	10.1°	27°46.2	2.3°	54.2°	99°12.5	61°38.6	43°46.4	22°48.1	57°38.9	68°42.4	73°56.6	96°27.2
12	264°27.8	10.1°	S27°44.0	2.4°	54.2°	98°42.9	61°11.7	43°27.1	23°17.7	58°07.3	69°12.0	74°20.4	96°54.4
13	278°57.0	10.1°	27°41.6	2.5°	54.2°	98°13.2	60°44.8	43°08.0	23°47.3	58°35.8	69°41.6	74°44.2	97°21.5
14	293°26.1	10.2°	27°39.0	2.7°	54.2°	97°43.6	60°17.9	42°49.1	24°16.9	59°04.3	70°11.2	75°08.0	97°48.7
15	307°55.3	10.2°	27°36.4	2.8°	54.2°	97°14.0	59°51.1	42°30.3	24°46.5	59°32.8	70°40.8	75°31.9	98°15.8
16	322°24.5	10.2°	27°33.6	2.9°	54.2°	96°44.4	59°24.2	42°11.7	25°16.1	60°01.2	71°10.4	75°55.8	98°43.0
17	336°53.7	10.2°	27°30.7	3.1°	54.2°	96°14.7	58°57.4	41°53.2	25°45.8	60°29.7	71°40.0	76°19.7	99°10.2
18	351°22.9	10.3°	S27°27.6	3.2°	54.2°	95°45.1	58°30.7	41°35.0	26°15.4	60°58.2	72°09.6	76°43.6	99°37.3
19	5°52.2	10.3°	27°24.3	3.3°	54.2°	95°15.5	58°03.9	41°16.9	26°45.0	61°26.7	72°39.2	77°07.6	100°04.5
20	20°21.5	10.3°	27°21.1	3.4°	54.2°	94°45.8	57°37.2	40°58.9	27°14.7	61°55.3	73°08.8	77°31.6	100°31.7
21	34°50.8	10.3°	27°17.7	3.6°	54.2°	94°16.1	57°10.5	40°41.2	27°44.3	62°23.8	73°38.4	77°55.6	100°58.9
22	49°20.1	10.4°	27°14.1	3.7°	54.2°	93°46.5	56°43.8	40°23.7	28°14.0	62°52.3	74°08.1	78°19.7	101°26.1
23	63°49.5	10.4°	27°10.4	3.8°	54.2°	93°16.8	56°17.1	40°06.3	28°43.6	63°20.9	74°37.7	78°43.7	101°53.3
19 th	SD = 14.8' Mer. pass. 18:36					Sun SD = 15.9'							

Moon (20 th Sep)					Lunar Distance (objects with largest hourly LD delta)								
Sun	GHA	ν	Dec	d	HP	-Saturn	-Fomalhaut	-Altair	+Antares	+Venus	+Spica	+Arcturus	+Sun
0	78°18.9	10.4°	S27°06.6	4.0°	54.2°	92°47.1	55°50.5	39°49.1	29°13.3	63°49.4	75°07.4	79°07.8	102°20.5
1	92°48.3	10.5°	27°02.6	4.1°	54.2°	92°17.4	55°23.9	39°32.2	29°43.0	64°18.0	75°37.0	79°31.9	102°47.7
2	107°17.8	10.5°	26°58.5	4.2°	54.3°	91°47.7	54°57.3	39°15.4	30°12.6	64°16.6	76°06.7	79°56.1	103°14.1
3	121°47.3	10.5°	26°54.4	4.4°	54.3°	91°18.0	54°30.8	38°58.9	30°42.3	65°15.2	76°36.4	80°20.2	103°42.2
4	136°16.8	10.6°	26°49.9	4.5°	54.3°	90°48.3	54°04.3	38°42.5	31°12.0	65°43.8	77°06.0	80°44.4	104°09.4
5	150°46.4	10.6°	26°45.4	4.6°	54.3°	90°18.6	53°37.8	38°26.4	31°41.8	66°12.4	77°35.7	81°08.6	104°36.7
6	165°15.9	10.6°	S26°40.8	4.7°	54.3°	89°48.9	53°11.3	38°10.6	32°11.5	66°41.0	78°05.4	81°32.8	105°03.9
7	179°45.6	10.7°	26°36.1	4.9°	54.3°	89°19.1	52°44.9	37°54.9	32°41.2	67°09.7	78°35.2	81°57.1	105°31.2
8	194°15.2	10.7°	26°31.2	5.0°	54.3°	88°49.3	52°18.5	37°39.5	33°10.9	67°38.3	79°04.9	82°21.4	105°58.5
9	208°44.9	10.7°	26°26.2	5.1°	54.3°	88°19.6	51°52.2	37°24.3	33°40.7	68°07.0	79°34.6	82°45.6	106°25.8
10	223°14.6	10.8°	26°21.1	5.2°	54.3°	87°49.8	51°25.8		34°10.5	68°35.7	80°04.4	83°10.0	106°53.1
11	237°44.4	10.8°	26°15.9	5.4°	54.3°	87°20.0	50°59.5		34°40.2	69°04.4	80°34.1	83°34.3	107°20.4
12	252°14.2	10.8°	S26°10.5	5.5°	54.3°	86°50.2	50°33.3		35°10.0	69°33.1	81°03.9	83°58.6	107°47.7
13	266°44.0	10.9°	26°05.0	5.6°	54.3°	86°20.4	50°07.1		35°39.8	70°01.8	81°33.7	84°23.0	108°15.1
14	281°13.9	10.9°	25°59.4	5.7°	54.4°	85°50.6	49°40.9		36°09.6	70°30.5	82°03.3	84°47.4	108°42.4
15	295°43.8	11.0°	25°53.6	5.9°	54.4°	85°20.7	49°14.7		36°39.5	70°59.3	82°33.3	85°11.8	109°09.8
16	310°13.8	11.0°	25°47.8	6.0°	54.4°	84°50.9	48°48.6		37°09.3	71°28.1	83°03.1	85°36.2	109°37.1
17	324°43.8	11.0°	25°41.8	6.1°	54.4°	84°21.0	48°22.6		37°39.2	71°56.9	83°32.9	86°00.6	110°04.5
18	339°13.8	11.1°	S25°35.7	6.2°	54.4°	83°51.1	47°56.6		38°09.0	72°25.7	84°02.8	86°25.1	110°31.9
19	353°43.9	11.1°	25°29.4	6.4°	54.4°	83°21.3	47°30.6		38°38.9	72°54.5	84°32.6	86°49.6	110°59.3
20	8°14.0	11.2°	25°23.1	6.5°	54.4°	82°51.4	47°04.7		39°08.8	73°23.3	85°02.5	87°14.1	111°26.8
21	22°44.1	11.2°	25°16.6	6.6°	54.4°	82°21.4	46°38.8		39°38.7	73°52.2	85°32.4	87°38.6	111°54.2
22	37°14.3	11.2°	25°10.0	6.7°	54.4°	81°51.5	46°13.0		40°08.6	74°21.1	86°02.3	88°01.1	112°21.7
23	51°44.6	11.3°	25°03.3	6.8°	54.5°	81°21.5	45°47.2		40°38.6	74°50.0	86°32.2	88°27.6	112°49.2
20 th	SD = 14.8° Mer. pass. 19:26					Sun SD = 15.9°							

DUT1 = UT1-UTC = -0.0151 sec ΔT = TT-UT1 = +69.1991 sec

2026 September 25 to Sep. 27 UT

h	Moon (25 th Sep)					Lunar Distance (objects with largest hourly LD delta)								
Fri	GHA	ν	Dec	d	HP	-Betelgeuse	-Capella	-Aldebaran	-Saturn	+Altair	+Antares	+Rigel Kent.	+Hadar	
0	21°43.2	14.3°	S06°28.1	15.0°	56.6°	107°39.7	99°53.7	89°13.8	31°13.2	46°33.8	90°59.0	98°56.7	102°45.7	
1	36°16.5	14.3°	06°13.1	15.0°	56.7°	107°09.4	99°22.8	88°41.7	30°41.1	46°56.4	91°31.7	99°22.4	103°10.6	
2	50°49.8	14.3°	05°58.0	15.1°	56.7°	106°39.0	98°51.7	88°09.6	30°09.0	47°19.3	92°04.3	99°48.2	103°35.5	
3	65°23.1	14.3°	05°43.0	15.1°	56.7°	106°08.5	98°20.7	87°37.5	29°36.9	47°42.3	92°37.0	100°13.9	104°00.0	
4	79°56.4	14.3°	05°27.8	15.2°	56.7°	105°38.0	97°49.6	87°05.3	29°04.8	48°05.5	93°09.8	100°39.6	104°25.4	
5	94°29.7	14.3°	05°12.7	15.2°	56.8°	105°07.5	97°18.5	86°33.1	28°32.7	48°28.8	93°42.5	101°05.4	104°50.3	
6	109°03.0	14.3°	S04°57.5	15.2°	56.8°	104°36.9	96°47.3	86°00.8	28°00.5	48°52.3	94°15.3	101°31.1	105°15.2	
7	123°36.3	14.3°	04°42.2	15.3°	56.8°	104°06.3	96°16.1	85°28.6	27°28.4	49°16.0	94°48.2	101°56.9	105°40.0	
8	138°09.6	14.3°	04°26.9	15.3°	56.8°	103°35.7	95°44.9	84°56.3	26°56.3	49°39.8	95°21.0	102°22.6	106°04.9	
9	152°42.8	14.2°	04°11.6	15.3°	56.9°	103°05.0	95°13.6	84°23.9	26°24.2	50°03.8	95°53.9	102°48.4	106°29.8	
10	167°16.1	14.2°	03°56.3	15.4°	56.9°	102°34.3	94°42.3	83°51.5	25°52.0	50°27.9	96°26.9	103°14.1	106°54.6	
11	181°49.3	14.2°	03°40.9	15.4°	56.9°	102°03.5	94°11.0	83°19.1	25°19.9	50°52.1	96°59.8	103°39.9	107°19.4	
12	196°22.5	14.2°	S03°25.5	15.4°	57.0°	101°32.7	93°39.6	82°46.7	24°47.8	51°16.5	97°32.8	104°05.6	107°44.0	
13	210°55.7	14.2°	03°10.1	15.5°	57.0°	101°01.8	93°08.2	82°14.3	24°15.7	51°41.1	98°05.9	104°31.4	108°09.0	
14	225°28.9	14.2°	02°54.6	15.5°	57.0°	100°30.9	92°36.8	81°41.8	23°43.7	52°05.8	98°38.9	104°57.1	108°33.8	
15	240°02.1	14.2°	02°39.1	15.5°	57.0°	100°00.0	92°05.3	81°09.2	23°11.6	52°30.6	99°12.0	105°22.8	108°58.5	
16	254°35.3	14.1°	02°23.6	15.5°	57.1°	99°29.0	91°33.8	80°36.7	22°39.6	52°55.5	99°45.2	105°48.5	109°23.3	
17	269°08.4	14.1°	02°08.1	15.6°	57.1°	98°58.0	91°02.3	80°04.1	22°07.6	53°20.6	100°18.3	106°14.2	109°48.0	
18	283°41.5	14.1°	S01°52.5	15.6°	57.1°	98°27.0	90°30.7	79°31.5	21°35.7	53°45.8	100°51.5	106°39.9	110°12.6	
19	298°14.6	14.1°	01°36.9	15.6°	57.1°	97°55.9	89°59.1	78°58.8	21°03.7	54°11.1	101°24.7	107°05.6	110°37.7	
20	312°47.7	14.1°	01°21.3	15.6°	57.2°	97°24.8	89°27.5	78°26.1	20°31.9	54°36.5	101°58.0	107°31.2	111°01.9	
21	327°20.8	14.0°	01°05.6	15.7°	57.2°	96°53.7	88°55.8	77°53.4	20°00.1	55°02.1	102°31.3	107°56.9	111°26.4	
22	341°53.8	14.0°	00°50.0	15.7°	57.2°	96°22.5	88°24.1	77°20.7	19°28.3	55°27.8	103°04.6	108°22.5	111°51.0	
23	356°26.8	14.0°	00°34.3	15.7°	57.3°	95°51.3	87°52.4	76°47.9	18°56.6	55°53.6	103°38.0	108°48.1	112°15.5	
25 th	SD = 15.4' Mer. pass. 23:15													

Moon (26 th Sep)					Lunar Distance (objects with largest hourly LD delta)									
Sat	GHA	ν	Dec	d	HP	-Mars	-Pollux	-Capella	-Aldebaran	+Fomalhaut	+Altair	+Antares	+Rigel Kent.	
0	10°59.8	14.0	S00°18.6	15.7	57.3	118°51.1	87°20.7	76°15.2	30°24.7	56°19.5	104°11.4	109°13.7	110°33.8	
1	25°32.8	13.9	S00°02.9	15.7	57.3	118°17.8	86°48.9	75°42.3	30°48.0	56°45.5	104°44.8	109°39.2	110°33.8	
2	40°05.7	13.9	N00°12.8	15.7	57.3	117°44.4	86°17.1	75°09.5	31°11.5	57°11.6	105°18.3	110°04.8	110°33.8	
3	54°38.6	13.9	00°28.5	15.7	57.4	117°11.0	85°45.3	74°36.6	31°35.3	57°37.8	105°51.7	110°30.3	110°33.8	
4	69°11.5	13.8	00°44.3	15.8	57.4	116°37.5	85°13.4	74°03.7	31°59.4	58°04.2	106°25.3	110°55.8	110°33.8	
5	83°44.3	13.8	01°00.0	15.8	57.4	116°04.1	84°41.6	73°30.8	32°23.8	58°30.6	106°58.8	111°21.2	110°33.8	
6	98°17.1	13.8	N01°15.8	15.8	57.4	115°30.6	84°09.6	72°57.8	32°48.4	58°57.1	107°32.4	111°46.6	110°33.8	
7	112°49.9	13.7	01°31.6	15.8	57.5	114°57.1	83°37.7	72°24.8	33°13.3	59°23.8	108°06.0	112°12.0	110°33.8	
8	127°22.7	13.7	01°47.4	15.8	57.5	114°23.5	83°05.8	71°51.8	33°38.5	59°50.5	108°39.6	112°37.4	110°33.8	
9	141°55.4	13.7	02°03.2	15.8	57.5	113°49.9	82°33.8	71°18.8	34°03.9	60°17.3	109°13.3	113°02.7	110°33.8	
10	156°28.0	13.6	02°19.0	15.8	57.5	113°16.3	82°01.8	70°45.7	34°29.5	60°44.3	109°47.0	113°28.0	110°33.8	
11	171°00.7	13.6	02°34.8	15.8	57.6	112°42.6	81°29.7	70°12.6	34°55.3	61°11.3	110°20.7	113°53.2	110°33.8	
12	185°33.3	13.6	N02°50.6	15.8	57.6	112°08.9	80°57.7	69°39.5	35°21.4	61°38.4	110°54.5	114°18.4	110°33.8	
13	200°05.8	13.5	03°06.4	15.8	57.6	111°30.7	80°25.6	69°06.4	35°47.6	62°05.6	111°28.3	114°43.6	110°33.8	
14	214°38.3	13.5	03°22.2	15.8	57.6	110°58.4	79°53.5	68°33.2	36°14.1	62°32.8	112°02.1	115°08.7	110°33.8	
15	229°10.8	13.4	03°38.0	15.8	57.7	110°26.1	79°21.3	68°00.0	36°40.7	63°00.2	112°36.0	115°33.7	110°33.8	
16	243°43.2	13.4	03°53.8	15.8	57.7	110°53.7	78°49.2	67°26.8	37°07.6	63°27.6	113°09.8	115°58.7	110°33.8	
17	258°15.6	13.3	04°09.6	15.8	57.7	110°21.2	78°17.0	66°53.6	37°34.6	63°55.2	113°43.7	116°23.7	110°33.8	
18	272°47.9	13.3	N04°25.3	15.8	57.7	110°48.8	77°44.8	66°20.3	38°01.9	64°22.8	114°17.7	116°48.6	110°33.8	
19	287°20.2	13.2	04°41.1	15.8	57.8	110°16.3	77°12.6	65°47.0	38°29.3	64°50.4	114°51.7	117°13.4	110°33.8	
20	301°52.5	13.2	04°56.9	15.8	57.8	110°43.8	76°38.4	65°13.7	38°56.8	65°18.2	115°25.7	117°38.2	110°33.8	
21	316°24.7	13.1	05°12.7	15.8	57.8	110°11.3	76°04.4	64°08.2	39°24.6	65°46.0	115°59.7	118°02.9	110°33.8	
22	330°56.8	13.1	05°28.4	15.7	57.8	112°38.7	106°30.5	75°35.9	64°07.1	65°52.4	116°33.7	118°27.6	110°33.8	
23	345°29.9	13.0	05°44.1	15.7	57.9	112°06.1	105°56.4	75°03.6	63°33.7	64°20.5	116°41.9	117°07.8	118°52.1	
26 th	SD = 15.6' Mer. pass. --													

h	Moon (27 th Sep)					Lunar Distance (objects with largest hourly LD delta)							
Sun	GHA	ν	Dec	d	HP	-Jupiter	-Mars	-Pollux	-Aldebaran	+Saturn	+Fomalhaut	+Altair	+Antares
0	0°00.9	13.0°	N05°59.9	15.7°	57.9°		111°33.5	105°22.4	63°00.3		40°48.7	67°10.0	117°41.9
1	14°32.9	12.9°	06°15.6	15.7°	57.9°		111°00.8	104°48.4	62°26.9		41°17.0	67°38.1	118°16.1
2	29°04.8	12.9°	06°31.3	15.7°	57.9°		110°28.1	104°14.3	61°53.5		41°45.5	68°06.3	118°50.2
3	43°36.7	12.8°	06°46.9	15.7°	58.0°		109°55.4	103°40.1	61°20.1		42°14.1	68°34.5	119°24.4
4	58°08.5	12.8°	07°02.6	15.6°	58.0°		109°22.7	103°06.0	60°46.6		42°42.9	69°02.8	119°58.6
5	72°40.2	12.7°	07°18.2	15.6°	58.0°		108°49.9	102°31.8	60°13.1		43°11.8	69°31.2	
6	87°11.9	12.6°	N07°33.8	15.6°	58.0°		108°17.1	101°57.6	59°39.6		43°40.8	69°59.6	
7	101°43.6	12.6°	07°49.4	15.6°	58.1°		107°44.3	101°23.4	59°06.1		44°09.9	70°28.1	
8	116°15.1	12.5°	08°05.0	15.5°	58.1°		107°11.5	100°49.1	58°32.6		44°39.2	70°56.7	
9	130°46.6	12.4°	08°20.5	15.5°	58.1°		106°38.6	100°14.8	57°59.0		45°08.5	71°25.3	
10	145°18.1	12.4°	08°36.0	15.5°	58.1°		106°05.7	99°40.5	57°25.5		45°38.0	71°54.0	
11	159°49.5	12.3°	08°51.5	15.4°	58.1°		105°32.8	99°06.2	56°51.9		46°07.6	72°22.7	
12	174°20.8	12.2°	N09°06.9	15.4°	58.2°		104°59.9	98°31.8	56°18.3		46°37.3	72°51.5	
13	188°52.0	12.2°	09°22.3	15.4°	58.2°		104°26.9	97°57.5	55°44.7		47°07.1	73°20.3	
14	203°23.2	12.1°	09°37.7	15.3°	58.2°		103°53.9	97°23.1	55°11.1		47°37.0	73°49.2	
15	217°54.3	12.0°	09°53.0	15.3°	58.2°		103°20.9	96°48.6	54°37.5		48°07.0	74°18.2	
16	232°25.3	12.0°	10°08.3	15.3°	58.3°		102°47.8	96°14.2	54°03.8		48°37.1	74°47.2	
17	246°56.3	11.9°	10°23.6	15.2°	58.3°		102°14.7	95°39.7	53°30.2		49°07.3	75°16.2	
18	261°27.2	11.8°	N10°38.8	15.2°	58.3°		101°41.6	95°05.2	52°56.5		49°37.6	75°45.3	
19	275°58.0	11.7°	10°54.0	15.1°	58.3°		101°08.5	94°30.7	52°22.8		50°07.9	76°14.4	
20	290°28.7	11.7°	11°09.1	15.1°	58.3°	119°44.5	100°35.4	93°56.1	51°49.2	9°53.8	50°38.4	76°43.6	
21	304°59.4	11.6°	11°24.2	15.0°	58.4°	119°10.3	100°02.2	93°21.5	51°15.5	10°21.3	51°08.9	77°12.8	
22	319°30.0	11.5°	11°39.2	15.0°	58.4°	118°36.1	99°29.0	92°46.9	50°41.8	10°48.9	51°39.6	77°42.1	
23	334°00.5	11.4°	11°54.2	14.9°	58.4°	118°01.9	98°55.8	92°12.3	50°08.1	11°18.4	52°10.3	78°11.4	
23 th	SD = 15.8' Mer. pass. 00.00												

DUT1 = UT1-UTC = -0.0240 sec $\Delta T = TT-UT1 = +69.2080$ sec

2026 October 01 to Oct. 03 UT

Moon (1 st Oct)						Lunar Distance (objects with largest hourly LD delta)							
Thu	GHA	ν	Dec	d	HP	-Regulus	-Jupiter	-Mars	-Pollux	+Saturn	+Deneb	+Fomalhaut	+Altair
0	308°54.6	4.6°	N25°59.1	6.6°	59.3°	86°15.9	75°41.4	57°49.5	49°25.1	52°51.7	84°38.6	91°32.5	114°23.8
1	323°18.1	4.5°	26°05.6	6.4°	59.3°	85°40.4	75°06.2	57°15.4	48°49.7	53°27.1	84°56.7	92°05.6	114°52.9
2	337°41.6	4.4°	26°12.0	6.2°	59.3°	85°04.8	74°31.1	56°41.3	48°14.3	54°02.6	85°14.9	92°38.6	115°21.9
3	352°05.0	4.3°	26°18.3	6.0°	59.3°	84°29.2	73°56.0	56°07.2	47°38.8	54°38.0	85°33.1	93°11.7	115°50.9
4	6°28.4	4.3°	26°24.3	5.9°	59.3°	83°53.7	73°20.9	55°33.1	47°03.4	55°13.5	85°51.3	93°44.8	116°19.8
5	20°51.7	4.2°	26°30.2	5.7°	59.3°	83°18.1	72°45.7	54°59.0	46°28.0	55°48.9	86°09.5	94°17.9	116°48.7
6	35°14.9	4.1°	N26°35.9	5.5°	59.3°	82°42.5	72°10.6	54°24.9	45°52.5	56°24.4	86°27.8	94°51.0	117°17.5
7	49°38.0	4.1°	26°41.4	5.3°	59.3°	82°07.0	71°35.5	53°50.8	45°17.1	56°59.9	86°46.0	95°24.0	117°46.2
8	64°01.1	4.0°	26°46.7	5.1°	59.3°	81°31.4	71°00.4	53°16.7	44°41.7	57°35.3	87°04.3	95°57.1	118°14.8
9	78°24.1	4.0°	26°51.9	5.0°	59.3°	80°55.8	70°25.2	52°42.5	44°06.3	58°10.8	87°22.6	96°30.2	118°43.4
10	92°47.1	3.9°	26°56.8	4.8°	59.3°	80°20.3	69°50.1	52°08.4	43°30.8	58°46.3	87°40.9	97°03.2	119°11.9
11	107°10.0	3.9°	27°01.6	4.6°	59.3°	79°44.7	69°15.0	51°34.3	42°55.4	59°21.8	87°59.3	97°36.3	119°40.4
12	121°32.9	3.8°	N27°06.2	4.4°	59.3°	79°09.1	68°39.9	51°00.2	42°20.0	59°57.3	88°17.6	98°09.3	
13	135°55.7	3.7°	27°10.6	4.2°	59.3°	78°33.5	68°04.7	50°26.1	41°44.6	60°32.8	88°35.9	98°42.4	
14	150°18.4	3.7°	27°14.9	4.0°	59.3°	77°58.0	67°29.6	49°52.0	41°09.2	61°08.2	88°54.3	99°15.4	
15	164°41.1	3.7°	27°18.9	3.9°	59.3°	77°22.4	66°54.5	49°17.9	40°33.8	61°43.7	89°12.6	99°48.4	
16	179°03.8	3.6°	27°22.7	3.7°	59.3°	76°46.8	66°19.3	48°43.7	39°58.4	62°19.2	89°31.0	100°21.4	
17	193°26.4	3.6°	27°26.4	3.5°	59.3°	76°11.3	65°44.2	48°09.6	39°23.0	62°54.7	89°49.3	100°54.4	
18	207°48.9	3.5°	N27°29.9	3.3°	59.3°	75°35.7	65°09.1	47°35.5	38°47.6	63°30.2	90°07.7	101°27.4	
19	222°11.5	3.5°	27°33.2	3.1°	59.3°	75°00.1	64°34.0	47°01.4	38°12.2	64°05.8	90°26.1	102°00.4	
20	236°33.9	3.5°	27°36.3	2.9°	59.3°	74°24.6	63°58.8	46°27.3	37°36.9	64°41.3	90°44.4	102°33.4	
21	250°56.4	3.4°	27°39.2	2.7°	59.3°	73°49.0	63°23.7	45°53.2	37°01.5	65°16.8	91°02.8	103°06.3	
22	265°18.8	3.4°	27°41.9	2.5°	59.3°	73°13.4	62°48.6	45°19.1	36°26.1	65°52.3	91°21.1	103°39.3	
23	279°41.2	3.4°	27°44.4	2.3°	59.3°	72°37.9	62°13.5	44°45.0	35°50.8	66°27.8	91°39.4	104°12.2	
1 st	SD = 16.2° Mer. pass. 03:33												

Moon (2 nd Oct)						Lunar Distance (objects with largest hourly LD delta)								
Fri	GHA	ν	Dec	d	HP	-Regulus	-Jupiter	-Mars	-Pollux	+Aldebaran	+Saturn	+Deneb	+Fomalhaut	
0	294°03.6	3.3°	N27°46.7	2.1°	59.3°	72°02.3	61°38.4	44°10.9	35°15.5		67°03.3	91°57.8	104°45.1	
1	308°25.9	3.3°	27°48.8	1.9°	59.3°	71°26.8	61°03.2	43°36.8	34°40.1		67°38.8	92°16.1	105°18.0	
2	322°48.3	3.3°	27°50.8	1.7°	59.3°	70°51.2	60°28.1	43°02.7	34°04.8	13°49.1	68°14.3	92°34.4	105°50.9	
3	337°10.6	3.3°	27°52.5	1.5°	59.3°	70°15.7	59°53.0	42°28.6	33°29.5	14°12.4	68°49.8	92°52.7	106°23.7	
4	351°32.8	3.3°	27°54.1	1.4°	59.3°	69°40.1	59°17.9	41°54.5	32°54.2	14°36.5	69°25.3	93°11.0	106°56.6	
5	5°55.1	3.3°	27°55.4	1.2°	59.3°	69°04.6	58°42.8	41°20.4	32°18.9	15°01.3	70°00.8	93°29.2	107°29.4	
6	20°17.4	3.2°	N27°56.6	1.0°	59.3°	68°29.1	58°07.7	40°46.3	31°43.6	15°26.8	70°36.3	93°47.5	108°02.2	
7	34°39.6	3.2°	27°57.6	0.8°	59.3°	67°53.5	57°32.6	40°12.3	31°08.3	15°53.0	71°11.8	94°05.7	108°35.0	
8	49°01.8	3.2°	27°58.3	0.6°	59.3°	67°18.0	56°57.5	39°38.2	30°33.1	16°19.7	71°47.3	94°23.9	109°07.7	
9	63°24.1	3.2°	27°58.9	0.4°	59.3°	66°42.5	56°22.4	39°04.1	29°57.8	16°46.9	72°22.8	94°42.1	109°40.4	
10	77°46.3	3.2°	27°59.3	0.2°	59.3°	66°06.9	55°47.3	38°30.1	29°22.6	17°14.7	72°58.3	95°00.2	110°13.2	
11	92°08.6	3.2°	27°59.5	-0.0°	59.3°	65°31.4	55°12.3	37°56.0	28°47.4	17°42.8	73°33.8	95°18.4	110°45.8	
12	106°30.8	3.2°	N27°59.5	-0.2°	59.3°	64°55.9	54°37.2	37°21.9	28°12.2	18°11.4	74°09.3	95°36.5	111°18.5	
13	120°53.0	3.3°	27°59.2	-0.4°	59.3°	64°20.4	54°02.1	36°47.9	27°37.0	18°40.4	74°44.8	95°54.5	111°51.1	
14	135°15.3	3.3°	27°58.8	-0.6°	59.3°	63°44.9	53°27.0	36°13.8	27°01.8	19°09.7	75°20.3	96°12.6	112°23.8	
15	149°37.6	3.3°	27°58.2	-0.8°	59.3°	63°09.4	52°52.0	35°39.8	26°26.7	19°39.4	75°55.8	96°30.6	112°56.3	
16	163°59.8	3.3°	27°57.5	-1.0°	59.3°	62°33.9	52°16.9	35°05.7	25°51.6	20°09.3	76°31.2	96°48.6	113°28.9	
17	178°22.1	3.3°	27°56.5	-1.2°	59.3°	61°58.4	51°41.9	34°31.7	25°16.5	20°39.5	77°06.7	97°06.5	114°01.4	
18	192°44.4	3.3°	N27°55.3	-1.4°	59.3°	61°22.9	51°06.8	33°57.7	24°41.4	21°10.0	77°42.2	97°24.4	114°33.9	
19	207°06.8	3.4°	27°53.9	-1.6°	59.3°	60°47.4	50°31.8	33°23.6	24°06.3	21°40.7	78°17.6	97°42.3	115°06.4	
20	221°29.1	3.4°	27°52.4	-1.8°	59.3°	60°11.9	49°56.7	32°49.9	23°31.3	22°11.7	78°53.1	98°00.1	115°38.8	
21	235°51.5	3.4°	27°50.6	-2.0°	59.3°	59°36.4	49°21.7	32°15.6	22°56.3	22°42.8	79°28.6	98°17.9	116°11.2	
22	250°13.9	3.4°	27°48.6	-2.1°	59.2°	59°01.0	48°46.6	31°41.6	22°21.3	23°14.2	80°04.0	98°35.7	116°43.5	
23	264°36.4	3.5°	27°46.5	-2.3°	59.2°	58°25.5	48°11.6	31°07.6	21°46.4	23°45.7	80°39.5	98°53.4	117°15.9	
2 nd	SD = 16.2° Mer. pass. 04:35													

Moon (3

DUT1 = UT1-UTC = -0.0297 sec ΔT = TT-UT1 = +69.2137 sec

2026 October 07 to Oct. 09 UT

h		Moon (7 th Oct)				Lunar Distance (objects with largest hourly LD delta)									
Wed	GHA	ν	Dec	d	HP	-Acrux	-Sun	$\pm$ Regulus	+Jupiter	+Mars	+Pollux	+Capella	+Aldebaran		
0	225°07.1	11.7°	N12°06.5	-14.8°	58.3°	80°24.5	45°23.4	1°53.1	7°44.2	23°13.8	35°18.8	68°04.2	78°14.9		
1	239°37.8	11.8°	11°51.7	-14.9°	58.2°	80°01.9	44°51.5		8°18.2	23°46.8	35°53.0	68°36.6	78°48.8		
2	254°08.6	11.8°	11°36.9	-14.9°	58.2°	79°39.3	44°19.7		8°52.1	24°19.8	36°27.2	69°09.1	79°22.6		
3	268°39.4	11.9°	11°22.0	-15.0°	58.2°	79°16.7	43°48.0		9°26.1	24°52.7	37°01.4	69°41.5	79°56.4		
4	283°10.3	12.0°	11°07.0	-15.0°	58.2°	78°54.2	43°16.2		10°00.1	25°25.6	37°35.6	70°13.9	80°30.1		
5	297°41.3	12.0°	10°52.0	-15.0°	58.2°	78°31.8	42°44.5		10°34.0	25°58.5	38°09.8	70°46.4	81°03.9		
6	312°12.3	12.1°	N10°36.9	-15.1°	58.2°	78°09.4	42°12.7		11°07.9	26°31.4	38°43.9	71°18.8	81°37.6		
7	326°43.4	12.2°	10°21.9	-15.1°	58.1°	77°47.0	41°41.0		11°41.8	27°04.3	39°18.1	71°51.2	82°11.4		
8	341°14.6	12.2°	10°06.7	-15.2°	58.1°	77°24.8	41°09.4	2°50.3	12°15.7	27°37.2	39°52.2	72°23.6	82°45.1		
9	355°45.9	12.3°	09°51.5	-15.2°	58.1°	77°02.5	40°37.7	3°24.0	12°49.5	28°10.0	40°26.3	72°56.1	83°18.8		
10	10°17.2	12.4°	09°36.3	-15.3°	58.1°	76°40.3	40°06.1	3°57.9	13°23.4	28°42.8	41°00.4	73°28.5	83°52.5		
11	24°48.5	12.4°	09°21.1	-15.3°	58.1°	76°18.2		4°31.8	13°57.2	29°15.7	41°34.5	74°00.9	84°26.2		
12	39°20.0	12.5°	N09°05.8	-15.3°	58.1°	75°56.1		5°05.8	14°31.0	29°48.5	42°08.6	74°33.3	84°59.8		
13	53°51.5	12.5°	08°50.5	-15.4°	58.0°	75°34.1		5°39.9	15°04.8	30°21.2	42°42.7	75°05.7	85°33.5		
14	68°23.0	12.6°	08°35.1	-15.4°	58.0°	75°12.2		6°13.9	15°38.6	30°54.0	43°16.7	75°38.1	86°07.1		
15	82°54.6	12.7°	08°19.7	-15.4°	58.0°	74°50.3		6°48.0	16°12.4	31°26.8	43°50.8	76°10.5	86°40.7		
16	97°26.3	12.7°	08°04.3	-15.5°	58.0°	74°28.5		7°22.0	16°46.1	31°59.5	44°24.8	76°42.8	87°14.3		
17	111°58.0	12.8°	07°48.8	-15.5°	58.0°	74°06.8		7°56.1	17°19.8	32°32.2	44°58.8	77°15.2	87°47.8		
18	126°29.8	12.8°	N07°33.3	-15.5°	58.0°	73°45.1		8°30.1	17°53.5	33°04.9	45°32.8	77°47.5	88°21.4		
19	141°01.6	12.9°	07°17.8	-15.5°	57.9°	73°23.5		9°04.2	18°27.2	33°37.6	46°06.7	78°19.9	88°54.9		
20	155°33.5	12.9°	07°02.3	-15.6°	57.9°	73°02.0		9°38.2	19°00.9	34°10.2	46°40.7	78°52.2	89°28.5		
21	170°05.4	13.0°	06°46.7	-15.6°	57.9°	72°40.5		10°12.2	19°34.6	34°42.9	47°14.6	79°24.5	90°02.0		
22	184°37.4	13.0°	06°31.2	-15.6°	57.9°	72°19.2		10°46.2	20°08.2	35°15.5	47°48.6	79°56.8	90°35.4		
23	199°09.4	13.1°	06°15.6	-15.6°	57.9°	71°57.9		11°20.2	20°41.8	35°48.1	48°22.5	80°29.1	91°08.9		
7 th	SD = 15.9' Mer. pass. 09:18					Sun SD = 16.0'									

h		Moon (8 th Oct)				Lunar Distance (objects with largest hourly LD delta)									
Thu	GHA	ν	Dec	d	HP	-Acrux	+Regulus	+Jupiter	+Mars	+Pollux	+Betelgeuse	+Capella	+Aldebaran		
0	213°41.5	13.1°	N05°59.9	-15.6°	57.9°	71°36.7	11°54.2	21°15.4	36°20.7	48°56.4	73°13.1	81°01.4	91°42.4		
1	228°13.6	13.2°	05°44.3	-15.7°	57.8°	71°15.5	12°28.2	21°49.0	36°63.3	49°30.2	73°44.7	81°33.7	92°15.8		
2	242°45.8	13.2°	05°28.6	-15.7°	57.8°	70°54.5	13°02.1	22°22.5	37°25.8	50°04.1	74°16.4	82°05.9	92°49.9		
3	257°18.0	13.3°	05°12.9	-15.7°	57.8°	70°33.5	13°36.0	22°56.1	37°58.4	50°37.9	74°48.0	82°38.2	93°22.6		
4	271°50.2	13.3°	04°57.3	-15.7°	57.8°	70°12.6	14°09.9	23°29.6	38°30.9	51°11.8	75°19.7	83°10.4	93°55.9		
5	286°22.5	13.3°	04°41.6	-15.7°	57.8°	69°51.8	14°43.8	24°03.1	39°03.4	51°45.6	75°51.3	83°42.6	94°29.3		
6	300°54.9	13.4°	N04°25.8	-15.7°	57.7°	69°31.1	15°17.7	24°36.6	39°35.9	52°19.4	76°22.9	84°14.8	95°02.6		
7	315°27.2	13.4°	04°10.1	-15.7°	57.7°	69°10.5	15°51.6	25°10.0	40°08.3	52°53.1	76°54.5	84°47.0	95°35.9		
8	329°59.6	13.4°	03°54.4	-15.7°	57.7°	68°49.9	16°25.4	25°43.5	40°40.7	53°26.9	77°26.2	85°19.2	96°09.2		
9	344°32.1	13.5°	03°38.6	-15.8°	57.7°	68°29.5	16°59.2	26°16.9	41°13.2	54°00.6	77°57.8	85°51.3	96°42.5		
10	359°04.6	13.5°	03°22.9	-15.8°	57.7°	68°09.2	17°33.0	26°50.3	41°45.6	54°34.3	78°29.3	86°23.5	97°15.7		
11	13°37.1	13.5°	03°07.1	-15.8°	57.6°	67°48.9	18°06.8	27°23.7	42°19.7	55°05.6	79°00.9	86°55.6	97°45.9		
12	28°09.6	13.6°	N02°51.4	-15.8°	57.6°	67°28.8	18°40.6	27°57.0	42°50.3	55°41.7	79°32.5	87°27.7	98°22.1		
13	42°42.2	13.6°	02°35.6	-15.8°	57.6°	67°08.8	19°14.3	28°30.4	43°22.6	56°15.3	80°04.5	87°59.8	98°55.3		
14	57°14.8	13.6°	02°19.8	-15.8°	57.6°	66°48.8	19°48.0	29°03.7	43°55.0	56°49.0	80°35.6	88°31.8	99°28.5		
15	71°47.5	13.7°	02°04.1	-15.8°	57.6°	66°29.0	20°21.7	29°30.7	44°27.2	57°22.6	81°07.1	89°03.9	100°01.6		
16	86°20.1	13.7°	01°48.3	-15.8°	57.5°	66°09.3	20°55.4	30°10.3	44°59.5	57°56.2	81°38.6	89°35.9	100°34.7		
17	100°52.8	13.7°	01°32.5	-15.8°	57.5°	65°49.7	21°29.1	30°43.5	45°31.8	58°29.8	82°10.2	90°07.9	101°07.8		
18	115°25.6	13.7°	N01°16.8	-15.8°	57.5°	65°30.2	22°02.7	31°16.8	46°04.0	59°03.3	82°41.6	90°39.8	101°40.9		
19	129°58.3	13.8°	01°01.0	-15.7°	57.5°	65°10.8	22°36.3	31°50.0	46°36.2	59°36.8	83°13.1	91°11.8	102°13.9		
20	144°31.1	13.8°	00°45.3	-15.7°	57.5°	64°51.5	23°09.9	32°23.2	47°08.4	60°10.4	83°44.4	91°43.7	102°46.9		
21	159°03.9	13.8°	00°29.5	-15.7°	57.4°	64°32.3	23°43.5	32°56.3	47°40.6	60°43.8	84°16.0	92°15.7	103°19.9		
22	173°36.7	13.8°	N00°13.8	-15.7°	57.4°	64°13.3	24°17.0	33°29.5	48°12.7	61°17.3	84°47.4	92°47.6	103°52.9		
23	188°09.5	13.9°	S00°01.9	-15.7°	57.4°	63°54.4	24°50.6	34°02.6	48°44.8	61°50.8	85°18.9	93°19.4	104°25.8		
8 th	SD = 15.8' Mer. pass. 10:04														

Moon (9 th Oct)						Lunar Distance (objects with largest hourly LD delta)								
Fri	GHA	ν	Dec	d	HP	-Acrux	+Regulus	+Jupiter	+Mars	+Pollux	+Betelgeuse	+Capella	+Aldebaran	
0	202°42.4	13.9°	S00°17.7	-15.7°	57.4°	63°35.6	25°24.1	34°35.7	49°17.0	62°24.2	85°50.2	93°51.3	104°58.7	
1	217°15.3	13.9°	00°33.4	-15.7°	57.4°	63°16.9	25°57.6	35°08.8	49°49.0	62°57.6	86°21.6	94°23.1	105°31.6	
2	231°48.2	13.9°	00°49.0	-15.7°	57.3°	62°58.3	26°31.0	35°41.8	50°21.1	63°31.0	86°53.0	94°54.9	106°04.5	
3	246°21.1	13.9°	01°04.7	-15.7°	57.3°	62°39.9	27°04.5	36°14.9	50°53.1	64°04.3	87°24.3	95°26.7	106°37.3	
4	260°54.0	13.9°	01°20.4	-15.6°	57.3°	62°21.6	27°37.9	36°47.9	51°25.1	64°37.7	87°55.6	95°58.4	107°10.1	
5	275°26.9	14.0°	01°36.0	-15.6°	57.3°	62°03.5	28°11.3	37°20.9	51°57.1	65°11.0	88°26.9	96°30.1	107°42.9	
6	289°59.9	14.0°	S01°51.6	-15.6°	57.3°	61°45.5	28°44.6	37°53.8	52°29.1	65°44.3	88°58.2	97°01.8	108°15.7	
7	304°32.9	14.0°	02°07.2	-15.6°	57.2°	61°27.6	29°18.0	38°26.8	53°01.0	66°17.6	89°29.5	97°33.5	108°48.4	
8	319°05.8	14.0°	02°22.8	-15.6°	57.2°	61°09.8	29°51.3	38°59.7	53°33.0	66°50.8	90°00.7	98°05.1	109°21.1	
9	333°38.8	14.0°	02°38.4	-15.5°	57.2°	60°52.2	30°24.6	39°32.6	54°04.9	67°24.0	90°31.9	98°36.8	109°53.8	
10	348°11.8	14.0°	02°53.9	-15.5°	57.2°	60°34.8	30°57.9	40°05.5	54°36.7	67°57.3	91°03.1	99°08.3	110°26.5	
11	2°44.8	14.0°	03°09.4	-15.5°	57.1°	60°17.4	31°31.2	40°38.3	55°08.6	68°30.4	91°34.3	99°39.9	110°59.1	
12	17°17.8	14.0°	S03°24.9	-15.5°	57.1°	60°00.3	32°04.4	41°11.1	55°40.4	69°03.6	92°05.4	100°11.4	111°31.7	
13	31°50.8	14.0°	03°40.4	-15.4°	57.1°	59°43.3	32°37.6	41°43.9	56°12.2	69°36.7	92°36.5	100°43.0	112°04.2	
14	46°23.8	14.0°	03°55.8	-15.4°	57.1°	59°26.4	33°10.8	42°16.7	56°44.0	70°09.8	93°07.6	101°14.4	112°36.8	
15	60°56.9	14.0°	04°11.2	-15.4°	57.1°	59°09.7	33°43.9	42°49.5	57°15.8	70°42.9	93°38.7	101°45.9	113°09.3	
16	75°29.9	14.0°	04°26.6	-15.3°	57.0°	58°53.1	34°17.1	43°22.2	57°47.5	71°16.0	94°09.7	102°17.3	113°41.8	
17	90°02.9	14.0°	04°41.9	-15.3°	57.0°	58°36.7	34°50.2	43°54.9	58°19.2	71°49.9	94°40.8	102°48.7	114°14.2	
18	104°35.9	14.0°	S04°57.2	-15.3°	57.0°	58°20.4	35°23.3	44°27.6	58°50.9	72°22.0	95°11.8	103°20.0	114°46.7	
19	119°08.9	14.0°	05°12.5	-15.2°	57.0°	58°04.4	35°56.3	45°00.2	59°22.6	72°55.0	95°42.7	103°51.4	115°19.0	
20	133°42.0	14.0°	05°27.8	-15.2°	56.9°	57°48.4	36°29.4	45°32.9	59°54.6	73°28.0	96°13.7	104°22.7	115°51.4	
21	148°15.0	14.0°	05°43.0	-15.2°	56.9°	57°32.7	37°02.4	46°05.5	60°25.8	74°00.9	96°44.6	104°53.9	116°23.7	
22	162°48.0	14.0°	05°58.1	-15.1°	56.9°					New Moon				
23	177°21.0	14.0°	06°13.3	-15.1°	56.9°					New Moon				
9 th	SD = 15.6'		Mer. pass. 10:49											