

DUT1 = UT1-UTC = -0.0097 sec $\Delta T = TT-UT1 = +69.1937$ sec

2026 September 19 to Sep. 21 UT

h	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°24.5	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'							

h	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°46.6	76°06.7	79°56.1	103°14.9
3	121°47.3	10.5'	26°54.3	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°03.5	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°03.1	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'							

h	Moon (21 st Sep)					Lunar Distance (objects with largest hourly LD delta)							
Mon	GHA	ν	Dec	d	HP	-Saturn	-Fomalhaut	+Antares	+Rigel Kent.	+Venus	+Spica	+Arcturus	+Sun
0	66°14.8	11.3'	S24°56.5	7.0'	54.5'	80°51.6	45°21.5	41°08.5	60°18.9	75°18.9	87°02.2	88°52.2	113°16.6
1	80°45.2	11.4'	24°49.5	7.1'	54.5'	80°21.6	44°55.8	41°38.5	60°40.3	75°47.8	87°32.1	89°16.7	113°44.1
2	95°15.5	11.4'	24°42.4	7.2'	54.5'	79°51.6	44°30.2	42°08.5	61°01.9	76°16.8	88°02.1	89°41.3	114°11.7
3	109°45.9	11.5'	24°35.2	7.3'	54.5'	79°21.6	44°04.6	42°38.5	61°23.5	76°45.7	88°32.1	90°05.9	114°39.2
4	124°16.4	11.5'	24°27.9	7.4'	54.5'	78°51.6	43°39.1	43°08.5	61°45.3	77°14.7	89°02.1	90°30.5	115°06.8
5	138°46.9	11.5'	24°20.5	7.5'	54.5'	78°21.5	43°13.7	43°38.6	62°07.1	77°43.7	89°32.1	90°55.2	115°34.3
6	153°17.4	11.6'	S24°13.0	7.7'	54.6'	77°51.4	42°48.3	44°08.6	62°29.0	78°12.8	90°02.2	91°19.8	116°01.9
7	167°48.0	11.6'	24°05.3	7.8'	54.6'	77°21.4	42°23.0	44°38.7	62°50.9	78°41.8	90°32.2	91°44.4	116°29.5
8	182°18.6	11.7'	23°57.6	7.9'	54.6'	76°51.3	41°57.8	45°08.8	63°13.0	79°10.9	91°02.3	92°09.1	116°57.2
9	196°49.3	11.7'	23°49.7	8.0'	54.6'	76°21.1	41°32.7	45°38.9	63°35.1	79°40.0	91°32.4	92°33.8	117°24.8
10	211°20.0	11.8'	23°41.7	8.1'	54.6'	75°51.0	41°07.6	46°09.1	63°57.3	80°09.1	92°02.5	92°58.5	117°52.5
11	225°50.8	11.8'	23°33.6	8.2'	54.6'	75°20.9	40°42.6	46°39.2	64°19.5	80°38.3	92°32.6	93°23.2	118°20.1
12	240°21.6	11.8'	S23°25.3	8.3'	54.6'	74°50.7	40°17.6	47°09.4	64°41.8	81°07.4	93°02.8	93°47.9	118°47.8
13	254°52.4	11.9'	23°17.0	8.4'	54.7'	74°20.5	39°52.8	47°39.6	65°04.2	81°36.6	93°33.0	94°12.6	119°15.6
14	269°23.3	11.9'	23°08.6	8.6'	54.7'	73°50.3	39°28.0	48°09.8	65°26.7	82°05.8	94°03.2	94°37.3	119°43.3
15	283°54.2	12.0'	23°00.0	8.7'	54.7'	73°20.1	39°03.4	48°40.0	65°49.3	82°35.0	94°33.4	95°02.1	
16	298°25.2	12.0'	22°51.3	8.8'	54.7'	72°49.8	38°38.8	49°10.3	66°11.9	83°04.3	95°03.6	95°26.8	
17	312°56.3	12.1'	22°42.6	8.9'	54.7'	72°19.5	38°14.3	49°40.6	66°34.6	83°33.6	95°33.9	95°51.6	
18	327°27.3	12.1'	S22°33.7	9.0'	54.7'	71°49.2	37°50.0	50°10.9	66°57.3	84°02.9	96°04.2	96°16.3	
19	341°58.5	12.2'	22°24.7	9.1'	54.8'	71°18.9	37°25.7	50°41.2	67°20.1	84°32.2	96°34.5	96°41.1	
20	356°29.6	12.2'	22°15.6	9.2'	54.8'	70°48.6	37°01.5	51°11.5	67°43.0	85°01.6	97°04.8	97°05.9	
21	11°00.8	12.3'	22°06.4	9.3'	54.8'	70°18.2	36°37.5	51°41.9	68°05.9	85°30.9	97°35.1	97°30.7	
22	25°32.1	12.3'	21°57.1	9.4'	54.8'	69°47.9	36°13.6	52°12.3	68°28.9	86°00.3	98°05.5	97°55.5	
23	40°03.4	12.3'	21°47.7	9.5'	54.8'	69°17.5	35°49.8	52°42.7	68°52.0	86°29.8	98°35.9	98°20.3	
21 st	SD = 14.9' Mer. pass. 20:14					Sun SD = 15.9'							

Moon (22 nd Sep)						Lunar Distance (objects with largest hourly LD delta)							
Tue	GHA	ν	Dec	d	HP	-Aldebaran	-Rigel	-Saturn	-Fomalhaut	+Antares	+Venus	+Arcturus	+Spica
0	54°34.7	12.4'	S21°38.2	9.6'	54.9'			68°47.1	35°26.1	53°13.1	86°59.2	98°45.1	99°06.3
1	69°06.1	12.4'	21°28.5	9.7'	54.9'			68°16.6	35°02.5	53°43.6	87°28.7	99°09.9	99°36.7
2	83°37.6	12.5'	21°18.8	9.8'	54.9'			67°46.2	34°39.1	54°14.1	87°58.2	99°34.7	100°07.2
3	98°09.0	12.5'	21°09.0	9.9'	54.9'			67°15.7	34°15.9	54°44.6	88°27.8	99°59.6	100°37.7
4	112°40.6	12.6'	20°59.1	10.0'	54.9'			66°45.2	33°52.8	55°15.1	88°57.3	100°24.4	101°08.2
5	127°12.1	12.6'	20°49.0	10.1'	55.0'			66°14.6	33°29.8	55°45.7	89°26.9	100°49.2	101°38.7
6	141°43.8	12.7'	S20°38.9	10.2'	55.0'			65°44.1	33°07.0	56°16.2	89°56.5	101°14.0	102°09.3
7	156°15.4	12.7'	20°28.7	10.3'	55.0'			65°13.5	32°44.4	56°46.8	90°26.2	101°38.9	102°39.9
8	170°47.1	12.7'	20°18.3	10.4'	55.0'			64°42.9	32°21.9	57°17.5	90°55.9	102°03.7	103°10.5
9	185°18.8	12.8'	20°07.9	10.5'	55.0'			64°12.3	31°59.7	57°48.1	91°25.6	102°28.6	103°41.1
10	199°50.6	12.8'	19°57.4	10.6'	55.1'			63°41.6	31°37.6	58°18.8	91°55.3	102°53.4	104°11.7
11	214°22.5	12.9'	19°46.8	10.7'	55.1'			63°11.0	31°15.7	58°49.5	92°25.0	103°18.2	104°42.4
12	228°54.3	12.9'	S19°36.1	10.8'	55.1'			62°40.3	30°54.0	59°20.2	92°54.8	103°43.1	105°13.1
13	243°26.2	13.0'	19°25.3	10.9'	55.1'	119°46.9		62°09.6	30°32.6	59°51.0	93°24.7	104°07.9	105°43.9
14	257°58.2	13.0'	19°14.4	11.0'	55.1'	119°16.8	119°42.7	61°38.8	30°11.3	60°21.8	93°54.5	104°32.7	106°14.6
15	272°30.2	13.0'	19°03.4	11.1'	55.2'	118°46.7	119°20.0	61°08.1	29°50.3	60°52.6	94°24.4	104°57.5	106°45.4
16	287°02.2	13.1'	18°52.3	11.2'	55.2'	118°16.5	118°57.2	60°37.3	29°29.6	61°23.4	94°54.3	105°22.4	107°16.2
17	301°34.3	13.1'	18°41.1	11.3'	55.2'	117°46.3	118°34.4	60°06.4	29°09.1	61°54.3	95°24.2	105°47.2	107°47.1
18	316°06.4	13.2'	S18°29.8	11.4'	55.2'	117°16.1	118°11.4	59°35.6	28°48.8	62°25.2	95°54.2	106°12.0	108°18.0
19	330°38.6	13.2'	18°18.4	11.5'	55.3'	116°45.9	117°48.4	59°04.7	28°28.9	62°56.1	96°24.2	106°36.8	108°48.9
20	345°10.8	13.2'	18°07.0	11.5'	55.3'	116°15.6	117°25.2	58°33.9	28°09.2	63°27.1	96°54.2	107°01.6	109°19.8
21	359°43.0	13.3'	17°55.4	11.6'	55.3'	115°45.2	117°02.0	58°02.9	27°49.8	63°58.0	97°24.3	107°26.4	109°50.7
22	14°15.3	13.3'	17°43.8	11.7'	55.3'	115°14.9	116°38.7	57°32.0	27°30.7	64°29.1	97°54.4	107°51.2	110°21.7
23	28°47.6	13.3'	17°32.1	11.8'	55.3'	114°44.5	116°15.4	57°01.0	27°11.9	65°00.1	98°24.5	108°16.0	110°52.7
22 nd	SD = 15.0' Mer. pass. 21:01												

Moon (23 rd Sep)						Lunar Distance (objects with largest hourly LD delta)							
Wed	GHA	ν	Dec	d	HP	-Capella	-Rigel	-Aldebaran	-Saturn	+Antares	+Rigel Kent.	+Venus	+Spica
0	43°19.9	13.4'	S17°20.3	11.9'	55.4'		115°51.9	114°14.1	56°30.0	65°31.2	78°46.7	98°54.7	111°23.8
1	57°52.3	13.4'	17°08.4	12.0'	55.4'		115°28.4	113°43.6	55°59.0	66°02.3	79°11.2	99°24.9	111°54.8
2	72°24.7	13.5'	16°56.4	12.1'	55.4'		115°04.7	113°13.1	55°28.0	66°33.4	79°35.6	99°55.1	112°25.9
3	86°57.2	13.5'	16°44.4	12.1'	55.4'		114°41.0	112°42.6	54°56.9	67°04.5	80°00.1	100°25.3	112°57.1
4	101°29.7	13.5'	16°32.2	12.2'	55.5'		114°17.3	112°12.0	54°25.8	67°35.7	80°24.7	100°55.6	113°28.2
5	116°02.2	13.6'	16°20.0	12.3'	55.5'		113°53.4	111°41.4	53°54.7	68°06.9	80°49.3	101°25.9	113°59.4
6	130°34.7	13.6'	S16°07.7	12.4'	55.5'		113°29.5	111°10.8	53°23.5	68°38.2	81°13.9	101°56.3	114°30.6
7	145°07.3	13.6'	15°55.3	12.5'	55.5'		113°05.5	110°40.2	52°52.4	69°09.4	81°38.6	102°26.7	115°01.9
8	159°39.9	13.7'	15°42.8	12.5'	55.6'	119°59.6	112°41.4	110°09.5	52°21.2	69°40.7	82°03.4	102°57.1	115°33.1
9	174°12.6	13.7'	15°30.3	12.6'	55.6'	119°30.3	112°17.3	109°38.7	51°49.9	70°12.1	82°28.1	103°27.5	116°04.4
10	188°45.3	13.7'	15°17.6	12.7'	55.6'	119°01.0	111°53.0	109°08.0	51°18.7	70°43.4	82°52.9	103°58.0	116°35.8
11	203°18.0	13.7'	15°04.9	12.8'	55.6'	118°31.6	111°28.8	108°37.2	50°47.4	71°14.8	83°17.7	104°28.5	117°07.1
12	217°50.7	13.8'	S14°52.2	12.9'	55.7'	118°02.2	111°04.4	108°06.3	50°16.1	71°46.2	83°42.6	104°59.1	117°38.5
13	232°23.5	13.8'	14°39.3	12.9'	55.7'	117°32.7	110°40.0	107°35.5	49°44.8	72°17.7	84°07.5	105°29.7	118°10.0
14	246°56.3	13.8'	14°26.4	13.0'	55.7'	117°03.2	110°15.5	107°04.6	49°13.4	72°49.2	84°32.5	106°00.3	118°41.4
15	261°29.2	13.9'	14°13.4	13.1'	55.7'	116°33.7	109°50.9	106°33.6	48°42.0	73°20.7	84°57.4	106°30.9	119°12.9
16	276°02.0	13.9'	14°00.3	13.2'	55.8'	116°04.1	109°26.3	106°02.7	48°10.6	73°52.3	85°22.5	107°01.6	119°44.4
17	290°34.9	13.9'	13°47.1	13.2'	55.8'	115°34.4	109°01.6	105°31.7	47°39.2	74°23.8	85°47.5	107°32.4	
18	305°07.8	13.9'	S13°33.9	13.3'	55.8'	115°04.7	108°36.9	105°00.6	47°07.7	74°55.4	86°12.6	108°03.1	
19	319°40.8	14.0'	13°20.6	13.4'	55.8'	114°35.0	108°12.0	104°29.6	46°36.2	75°27.1	86°37.7	108°33.9	
20	334°13.7	14.0'	13°07.2	13.4'	55.9'	114°05.2	107°47.2	103°58.5	46°04.7	75°58.8	87°02.8	109°04.7	
21	348°46.7	14.0'	12°53.8	13.5'	55.9'	113°35.3	107°22.2	103°27.3	45°33.2	76°30.5	87°28.0	109°35.6	
22	3°19.7	14.0'	12°40.3	13.6'	55.9'	113°05.4	106°57.2	102°56.2	45°01.6	77°02.2	87°53.2	110°06.5	
23	17°52.7	14.1'	12°26.7	13.6'	55.9'	112°35.5	106°32.2	102°25.0	44°30.1	77°34.0	88°18.5	110°37.4	
23 rd	SD = 15.1' Mer. pass. 21:46												

Moon (24 th Sep)						Lunar Distance (objects with largest hourly LD delta)							
Thu	GHA	ν	Dec	d	HP	-Betelgeuse	-Capella	-Aldebaran	-Saturn	+Antares	+Rigel Kent.	+Hadar	+Venus
0	32°25.8	14.1'	S12°13.1	13.7'	56.0'	119°33.7	112°05.6	101°53.7	43°58.4	78°05.8	88°43.7	92°48.6	111°08.4
1	46°58.9	14.1'	11°59.4	13.8'	56.0'	119°04.5	111°35.5	101°22.5	43°26.8	78°37.6	89°09.0	93°13.4	111°39.4
2	61°32.0	14.1'	11°45.6	13.8'	56.0'	118°35.3	111°05.5	100°51.1	42°55.2	79°09.5	89°34.3	93°38.1	112°10.4
3	76°05.1	14.1'	11°31.8	13.9'	56.1'	118°06.1	110°35.4	100°19.8	42°23.5	79°41.4	89°59.7	94°02.9	112°41.5
4	90°38.2	14.1'	11°17.9	14.0'	56.1'	117°36.8	110°05.2	99°48.4	41°51.8	80°13.3	90°25.1	94°27.7	113°12.6
5	105°11.3	14.2'	11°03.9	14.0'	56.1'	117°07.4	109°35.0	99°17.0	41°20.0	80°45.3	90°50.5	94°52.5	113°43.8
6	119°44.5	14.2'	S10°49.9	14.1'	56.1'	116°38.0	109°04.8	98°45.6	40°48.3	81°17.3	91°15.9	95°17.3	114°14.9
7	134°17.7	14.2'	10°35.8	14.1'	56.2'	116°08.5	108°34.5	98°14.1	40°16.5	81°49.3	91°41.3	95°42.2	114°46.2
8	148°50.9	14.2'	10°21.7	14.2'	56.2'	115°39.0	108°04.2	97°42.6	39°44.7	82°21.4	92°06.8	96°07.0	115°17.4
9	163°24.1	14.2'	10°07.5	14.3'	56.2'	115°09.4	107°33.9	97°11.0	39°12.9	82°53.5	92°32.3	96°31.9	115°48.7
10	177°57.3	14.2'	09°53.2	14.3'	56.2'	114°39.7	107°03.5	96°39.5	38°41.0	83°25.6	92°57.8	96°56.7	116°20.0
11	192°30.5	14.2'	09°38.9	14.4'	56.3'	114°10.1	106°33.0	96°07.8	38°09.2	83°57.8	93°23.3	97°21.6	116°51.4
12	207°03.8	14.3'	S09°24.5	14.4'	56.3'	113°40.3	106°02.6	95°36.2	37°37.3	84°30.0	93°48.9	97°46.5	117°22.8
13	221°37.0	14.3'	09°10.1	14.5'	56.3'	113°10.5	105°32.0	95°04.5	37°05.4	85°02.2	94°14.4	98°11.4	117°54.2
14	236°10.3	14.3'	08°55.6	14.5'	56.4'	112°40.7	105°01.5	94°32.8	36°33.4	85°34.5	94°40.0	98°36.3	118°25.7
15	250°43.6	14.3'	08°41.1	14.6'	56.4'	112°10.8	104°30.9	94°01.0	36°01.5	86°06.8	95°05.6	99°01.3	118°57.2
16	265°16.9	14.3'	08°26.5	14.6'	56.4'	111°40.9	104°00.2	93°29.3	35°29.5	86°39.1	95°31.2	99°26.2	119°28.7
17	279°50.1	14.3'	08°11.9	14.7'	56.4'	111°10.9	103°29.6	92°57.5	34°57.5	87°11.5	95°56.9	99°51.1	
18	294°23.4	14.3'	S07°57.2	14.7'	56.5'	110°40.9	102°58.8	92°25.6	34°25.5	87°43.9	96°22.5	100°16.0	
19	308°56.7	14.3'	07°42.5	14.8'	56.5'	110°10.8	102°28.1	91°53.7	33°53.5	88°16.3	96°48.2	100°41.0	
20	323°30.0	14.3'	07°27.7	14.8'	56.5'	109°40.7	101°57.3	91°21.8	33°21.5	88°48.8	97°13.9	101°05.9	
21	338°03.3	14.3'	07°12.8	14.9'	56.5'	109°10.5	101°26.5	90°49.9	32°49.4	89°21.3	97°39.6	101°30.9	
22	352°36.6	14.3'	06°58.0	14.9'	56.6'	108°40.3	100°55.6	90°17.9	32°17.4	89°53.8	98°05.3	101°55.8	
23	7°09.9	14.3'	06°43.1	15.0'	56.6'	108°10.0	100°24.7	89°45.9	31°45.3	90°26.4	98°31.0	102°20.7	
24 th	SD = 15.3'		Mer. pass. 22:30										

DUT1 = UT1-UTC = -0.0151 sec $\Delta T = TT-UT1 = +69.1991$ 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°00.5
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°44.3
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°37.3
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
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
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
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
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
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
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
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
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
9	141°55.4	13.7'	02°03.2	15.8'	57.5'	119°39.8	113°49.9	82°33.8	71°18.8	34°03.9	60°17.3	109°13.3	113°02.7
10	156°28.0	13.6'	02°19.0	15.8'	57.5'	119°07.6	113°16.3	82°01.8	70°45.7	34°29.5	60°44.3	109°47.0	113°28.0
11	171°00.7	13.6'	02°34.8	15.8'	57.6'	118°35.3	112°42.6	81°29.7	70°12.6	34°55.3	61°11.3	110°20.7	113°53.2
12	185°33.3	13.6'	N02°50.6	15.8'	57.6'	118°03.1	112°08.9	80°57.7	69°39.5	35°21.4	61°38.4	110°54.5	114°18.4
13	200°05.8	13.5'	03°06.4	15.8'	57.6'	117°30.7	111°35.2	80°25.6	69°06.4	35°47.6	62°05.6	111°28.3	114°43.6
14	214°38.3	13.5'	03°22.2	15.8'	57.6'	116°58.4	111°01.5	79°53.5	68°33.2	36°14.1	62°32.8	112°02.1	115°08.7
15	229°10.8	13.4'	03°38.0	15.8'	57.7'	116°26.1	110°27.7	79°21.3	68°00.0	36°40.7	63°00.2	112°36.0	115°33.7
16	243°43.2	13.4'	03°53.8	15.8'	57.7'	115°53.7	109°53.9	78°49.2	67°26.8	37°07.6	63°27.6	113°09.8	115°58.7
17	258°15.6	13.3'	04°09.6	15.8'	57.7'	115°21.2	109°20.1	78°17.0	66°53.6	37°34.6	63°55.2	113°43.7	116°23.7
18	272°47.9	13.3'	N04°25.3	15.8'	57.7'	114°48.8	108°46.2	77°44.8	66°20.3	38°01.9	64°22.8	114°17.7	116°48.6
19	287°20.2	13.2'	04°41.1	15.8'	57.8'	114°16.3	108°12.3	77°12.6	65°47.0	38°29.3	64°50.4	114°51.7	117°13.4
20	301°52.5	13.2'	04°56.9	15.8'	57.8'	113°43.8	107°38.4	76°40.4	65°13.7	38°56.8	65°18.2	115°25.7	117°38.2
21	316°24.7	13.1'	05°12.7	15.8'	57.8'	113°11.3	107°04.4	76°08.2	64°40.4	39°24.6	65°46.0	115°59.7	118°02.9
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	39°52.4	66°13.9	116°33.7	118°27.6
23	345°28.9	13.0'	05°44.1	15.7'	57.9'	112°06.1	105°56.4	75°03.6	63°33.7	40°20.5	66°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°49.5	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	
27 th	SD = 15.8'		Mer. pass. 00:00										

Moon (28 th Sep)						Lunar Distance (objects with largest hourly LD delta)							
Mon	GHA	ν	Dec	d	HP	-Regulus	-Jupiter	-Pollux	-Aldebaran	+Saturn	+Fomalhaut	+Achernar	+Altair
0	348°30.9	11.3'	N12°09.2	14.9'	58.4'		117°27.7	91°37.7	49°34.4	11°47.8	52°41.1		78°40.7
1	3°01.3	11.3'	12°24.0	14.8'	58.4'		116°53.4	91°03.0	49°00.7	12°17.7	53°11.9		79°10.1
2	17°31.5	11.2'	12°38.9	14.8'	58.5'		116°19.1	90°28.3	48°27.0	12°48.0	53°42.9		79°39.5
3	32°01.7	11.1'	12°53.7	14.7'	58.5'		115°44.8	89°53.6	47°53.3	13°18.7	54°13.9		80°09.0
4	46°31.8	11.0'	13°08.4	14.7'	58.5'		115°10.4	89°18.9	47°19.6	13°49.8	54°44.9		80°38.4
5	61°01.8	10.9'	13°23.0	14.6'	58.5'		114°36.1	88°44.2	46°45.9	14°21.2	55°16.1		81°08.0
6	75°31.8	10.8'	N13°37.6	14.5'	58.5'		114°01.7	88°09.4	46°12.1	14°52.9	55°47.3		81°37.5
7	90°01.6	10.8'	13°52.2	14.5'	58.5'		113°27.3	87°34.6	45°38.4	15°24.8	56°18.6		82°07.1
8	104°31.4	10.7'	14°06.6	14.4'	58.6'		112°52.9	86°59.8	45°04.7	15°56.9	56°49.9		82°36.7
9	119°01.0	10.6'	14°21.0	14.3'	58.6'		112°18.4	86°25.0	44°31.0	16°29.3	57°21.3		83°06.4
10	133°30.6	10.5'	14°35.4	14.3'	58.6'		111°44.0	85°50.1	43°57.3	17°01.9	57°52.8		83°36.0
11	148°00.1	10.4'	14°49.6	14.2'	58.6'		111°09.5	85°15.3	43°23.7	17°34.6	58°24.3		84°05.7
12	162°29.5	10.3'	N15°03.8	14.1'	58.6'		110°35.0	84°40.4	42°50.0	18°07.5	58°55.8		84°35.5
13	176°58.8	10.2'	15°18.0	14.0'	58.7'		110°00.5	84°05.5	42°16.3	18°40.5	59°27.5		85°05.2
14	191°28.1	10.1'	15°32.0	14.0'	58.7'		109°25.9	83°30.6	41°42.7	19°13.7	59°59.2		85°35.0
15	205°57.2	10.0'	15°46.0	13.9'	58.7'	119°51.5	108°51.4	82°55.6	41°09.0	19°47.0	60°30.9		86°04.8
16	220°26.2	9.9'	15°59.9	13.8'	58.7'	119°16.5	108°16.8	82°20.7	40°35.4	20°20.5	61°02.7		86°34.6
17	234°55.2	9.8'	16°13.7	13.7'	58.7'	118°41.4	107°42.2	81°45.7	40°01.8	20°54.0	61°34.5		87°04.5
18	249°24.0	9.8'	N16°27.4	13.6'	58.7'	118°06.4	107°07.6	81°10.7	39°28.2	21°27.7	62°06.4		87°34.3
19	263°52.8	9.7'	16°41.1	13.6'	58.7'	117°31.3	106°33.0	80°35.7	38°54.6	22°01.4	62°38.4		88°04.2
20	278°21.4	9.6'	16°54.6	13.5'	58.8'	116°56.2	105°58.3	80°00.7	38°21.1	22°35.2	63°10.3		88°34.1
21	292°50.0	9.5'	17°08.1	13.4'	58.8'	116°21.1	105°23.7	79°25.7	37°47.5	23°09.2	63°42.4	74°21.4	89°04.0
22	307°18.5	9.4'	17°21.5	13.3'	58.8'	115°46.0	104°49.0	78°50.6	37°14.0	23°43.1	64°14.4	74°36.5	89°33.9
23	321°46.8	9.3'	17°34.8	13.2'	58.8'	115°10.8	104°14.3	78°15.6	36°40.6	24°17.2	64°46.6	74°51.6	90°03.9
28 th	SD = 15.9' Mer. pass. 00:48												

Moon (29 th Sep)						Lunar Distance (objects with largest hourly LD delta)							
Tue	GHA	ν	Dec	d	HP	-Regulus	-Jupiter	-Mars	-Pollux	+Saturn	+Fomalhaut	+Deneb	+Altair
0	336°15.1	9.2'	N17°48.0	13.1'	58.8'	114°35.7	103°39.6	84°59.0	77°40.5	24°51.4	65°18.7		90°33.8
1	350°43.3	9.1'	18°01.1	13.0'	58.8'	114°00.5	103°04.9	84°25.3	77°05.4	25°25.6	65°50.9		91°03.8
2	5°11.3	9.0'	18°14.1	12.9'	58.9'	113°25.3	102°30.2	83°51.6	76°30.3	25°59.8	66°23.2	71°39.5	91°33.8
3	19°39.3	8.9'	18°27.1	12.8'	58.9'	112°50.1	101°55.4	83°17.9	75°55.1	26°34.2	66°55.4	71°54.7	92°03.8
4	34°07.2	8.8'	18°39.9	12.7'	58.9'	112°14.9	101°20.7	82°44.1	75°20.0	27°08.5	67°27.7	72°10.0	92°33.8
5	48°34.9	8.7'	18°52.6	12.6'	58.9'	111°39.7	100°45.9	82°10.4	74°44.9	27°43.0	68°00.1	72°25.4	93°03.8
6	63°02.6	8.6'	N19°05.2	12.5'	58.9'	111°04.4	100°11.1	81°36.6	74°09.7	28°17.5	68°32.5	72°40.9	93°33.8
7	77°30.2	8.5'	19°17.7	12.4'	58.9'	110°29.2	99°36.3	81°02.8	73°34.5	28°52.0	69°04.9	72°56.5	94°03.8
8	91°57.6	8.4'	19°30.1	12.3'	58.9'	109°53.9	99°01.5	80°29.0	72°59.3	29°26.6	69°37.3	73°12.2	94°33.8
9	106°25.0	8.3'	19°42.4	12.2'	58.9'	109°18.7	98°26.7	79°55.2	72°24.1	30°01.2	70°09.8	73°28.0	95°03.9
10	120°52.2	8.2'	19°54.6	12.1'	59.0'	108°43.4	97°51.8	79°21.4	71°48.9	30°35.9	70°42.3	73°43.9	95°33.9
11	135°19.4	8.1'	20°06.7	12.0'	59.0'	108°08.1	97°17.0	78°47.6	71°13.7	31°10.6	71°14.9	73°59.8	96°03.9
12	149°46.5	8.0'	N20°18.6	11.8'	59.0'	107°32.7	96°42.1	78°13.7	70°38.5	31°45.3	71°47.5	74°15.9	96°33.9
13	164°13.4	7.9'	20°30.5	11.7'	59.0'	106°57.4	96°07.2	77°39.9	70°03.2	32°20.1	72°20.1	74°32.1	97°03.9
14	178°40.3	7.7'	20°42.2	11.6'	59.0'	106°22.1	95°32.3	77°06.0	69°28.0	32°54.9	72°52.7	74°48.3	97°34.0
15	193°07.0	7.6'	20°53.8	11.5'	59.0'	105°46.7	94°57.4	76°32.1	68°52.7	33°29.8	73°25.3	75°04.6	98°04.0
16	207°33.7	7.5'	21°05.3	11.4'	59.0'	105°11.4	94°22.5	75°58.2	68°17.4	34°04.6	73°58.0	75°21.0	98°34.0
17	222°00.2	7.4'	21°16.7	11.2'	59.0'	104°36.0	93°47.6	75°24.3	67°42.1	34°39.6	74°30.7	75°37.5	99°04.0
18	236°26.6	7.3'	N21°27.9	11.1'	59.0'	104°00.6	93°12.7	74°50.4	67°06.8	35°14.5	75°03.4	75°54.0	99°34.0
19	250°53.0	7.2'	21°39.0	11.0'	59.1'	103°25.2	92°37.7	74°16.5	66°31.5	35°49.5	75°36.2	76°10.7	100°04.0
20	265°19.2	7.1'	21°50.0	10.9'	59.1'	102°49.9	92°02.8	73°42.5	65°56.2	36°24.4	76°09.0	76°27.4	100°34.0
21	279°45.4	7.0'	22°00.9	10.7'	59.1'	102°14.4	91°27.8	73°08.6	65°20.9	36°59.5	76°41.8	76°44.1	101°03.9
22	294°11.4	6.9'	22°11.6	10.6'	59.1'	101°39.0	90°52.9	72°34.6	64°45.6	37°34.5	77°14.6	77°01.0	101°33.9
23	308°37.3	6.8'	22°22.2	10.5'	59.1'	101°03.6	90°17.9	72°00.7	64°10.2	38°09.6	77°47.4	77°17.9	102°03.8
29 th	SD = 16.0' Mer. pass. 01:38												

Moon (30 th Sep)						Lunar Distance (objects with largest hourly LD delta)							
Wed	GHA	ν	Dec	d	HP	-Regulus	-Jupiter	-Mars	-Pollux	+Saturn	+Deneb	+Fomalhaut	+Altair
0	323°03.1	6.7'	N22°32.7	10.3'	59.1'	100°28.2	89°42.9	71°26.7	63°34.9	38°44.7	77°34.9	78°20.3	102°33.8
1	337°28.9	6.6'	22°43.0	10.2'	59.1'	99°52.7	89°07.9	70°52.7	62°59.5	39°19.8	77°52.0	78°53.2	103°03.7
2	351°54.5	6.5'	22°53.2	10.0'	59.1'	99°17.3	88°32.9	70°18.7	62°24.2	39°54.9	78°09.1	79°26.0	103°33.6
3	6°20.0	6.4'	23°03.2	9.9'	59.1'	98°41.8	87°57.9	69°44.8	61°48.8	40°30.1	78°26.3	79°58.9	104°03.4
4	20°45.5	6.3'	23°13.1	9.8'	59.1'	98°06.4	87°22.9	69°10.7	61°13.4	41°05.2	78°43.5	80°31.9	104°33.3
5	35°10.8	6.2'	23°22.9	9.6'	59.1'	97°30.9	86°47.9	68°36.7	60°38.1	41°40.4	79°00.8	81°04.8	105°03.1
6	49°36.0	6.1'	N23°32.5	9.5'	59.2'	96°55.4	86°12.8	68°02.7	60°02.7	42°15.6	79°18.1	81°37.8	105°32.9
7	64°01.2	6.0'	23°42.0	9.3'	59.2'	96°19.9	85°37.8	67°28.7	59°27.3	42°50.9	79°35.6	82°10.7	106°02.7
8	78°26.2	5.9'	23°51.3	9.2'	59.2'	95°44.4	85°02.7	66°54.7	58°51.9	43°26.1	79°53.0	82°43.7	106°32.4
9	92°51.2	5.9'	24°00.5	9.0'	59.2'	95°08.9	84°27.7	66°20.6	58°16.5	44°01.4	80°10.5	83°16.7	107°02.2
10	107°16.0	5.8'	24°09.5	8.9'	59.2'	94°33.4	83°52.6	65°46.6	57°41.1	44°36.6	80°28.1	83°49.7	107°31.9
11	121°40.8	5.7'	24°18.4	8.7'	59.2'	93°57.9	83°17.6	65°12.5	57°05.7	45°11.9	80°45.7	84°22.7	108°01.5
12	136°05.4	5.6'	N24°27.1	8.6'	59.2'	93°22.4	82°42.5	64°38.5	56°30.3	45°47.2	81°03.4	84°55.7	108°31.2
13	150°30.0	5.5'	24°35.6	8.4'	59.2'	92°46.9	82°07.4	64°04.4	55°54.9	46°22.5	81°21.1	85°28.7	109°00.8
14	164°54.5	5.4'	24°44.0	8.2'	59.2'	92°11.4	81°32.4	63°30.4	55°19.4	46°57.9	81°38.9	86°01.8	109°30.4
15	179°18.9	5.3'	24°52.3	8.1'	59.2'	91°35.8	80°57.3	62°56.3	54°44.0	47°33.2	81°56.7	86°34.8	109°59.9
16	193°43.2	5.2'	25°00.4	7.9'	59.2'	91°00.3	80°22.2	62°22.2	54°08.6	48°08.5	82°14.5	87°07.9	110°29.4
17	208°07.4	5.1'	25°08.3	7.8'	59.2'	90°24.8	79°47.1	61°48.2	53°33.2	48°43.9	82°32.4	87°40.9	110°58.9
18	222°31.5	5.0'	N25°16.0	7.6'	59.2'	89°49.2	79°12.0	61°14.1	52°57.7	49°19.3	82°50.3	88°14.0	111°28.3
19	236°55.6	5.0'	25°23.6	7.4'	59.2'	89°13.7	78°36.9	60°40.0	52°22.3	49°54.7	83°08.3	88°47.1	111°57.6
20	251°19.5	4.9'	25°31.1	7.3'	59.2'	88°38.1	78°01.8	60°05.9	51°46.9	50°30.0	83°26.3	89°20.1	112°27.0
21	265°43.4	4.8'	25°38.3	7.1'	59.2'	88°02.6	77°26.7	59°31.8	51°11.4	51°05.4	83°44.3	89°53.2	112°56.3
22	280°07.2	4.7'	25°45.4	6.9'	59.3'	87°27.0	76°51.6	58°57.7	50°36.0	51°40.9	84°02.4	90°26.3	113°25.5
23	294°30.9	4.6'	25°52.3	6.7'	59.3'	86°51.5	76°16.5	58°23.6	50°00.6	52°16.3	84°20.4	90°59.4	113°54.7
30 th	SD = 16.1' Mer. pass. 02:34												

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

2026 October 01 to Oct. 03 UT

h	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												

h	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°49.6	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												

h Moon (3 rd Oct)						Lunar Distance (objects with largest hourly LD delta)							
Sat	GHA	ν	Dec	d	HP	-Regulus	-Jupiter	-Mars	-Pollux	+Capella	+Aldebaran	+Saturn	+Fomalhaut
0	278°58.9	3.5'	N27°44.2	-2.5'	59.2'	57°50.1	47°36.6	30°33.6	21°11.5	20°59.8	24°17.3	81°14.9	117°48.2
1	293°21.4	3.6'	27°41.6	-2.7'	59.2'	57°14.6	47°01.6	29°59.6	20°36.6	21°17.9	24°49.2	81°50.3	118°20.4
2	307°43.9	3.6'	27°38.9	-2.9'	59.2'	56°39.2	46°26.6	29°25.6	20°01.7	21°36.6	25°21.2	82°25.8	118°52.6
3	322°06.5	3.6'	27°36.0	-3.1'	59.2'	56°03.7	45°51.6	28°51.6	19°26.9	21°55.9	25°53.3	83°01.2	119°24.8
4	336°29.2	3.7'	27°32.9	-3.3'	59.2'	55°28.3	45°16.6	28°17.7	18°52.2	22°15.9	26°25.5	83°36.6	119°56.9
5	350°51.9	3.7'	27°29.6	-3.5'	59.2'	54°52.9	44°41.6	27°43.7	18°17.5	22°36.5	26°57.9	84°12.0	
6	5°14.6	3.8'	N27°26.2	-3.7'	59.2'	54°17.4	44°06.6	27°09.8	17°42.8	22°57.7	27°30.4	84°47.5	
7	19°37.4	3.8'	27°22.5	-3.8'	59.2'	53°42.0	43°31.6	26°35.8	17°08.2	23°19.4	28°02.9	85°22.9	
8	34°00.2	3.9'	27°18.7	-4.0'	59.2'	53°06.6	42°56.6	26°01.9	16°33.7	23°41.6	28°35.6	85°58.3	
9	48°23.1	3.9'	27°14.6	-4.2'	59.2'	52°31.2	42°21.7	25°27.9	15°59.2	24°04.3	29°08.4	86°33.7	
10	62°46.1	4.0'	27°10.4	-4.4'	59.2'	51°55.8	41°46.7	24°54.0	15°24.8	24°27.4	29°41.2	87°09.0	
11	77°09.1	4.1'	27°06.0	-4.6'	59.2'	51°20.4	41°11.8	24°20.1	14°50.5	24°51.1	30°14.2	87°44.4	
12	91°32.1	4.1'	N27°01.4	-4.8'	59.2'	50°45.1	40°36.8	23°46.2	14°16.3	25°15.1	30°47.2	88°19.8	
13	105°55.3	4.2'	26°56.7	-4.9'	59.2'	50°09.7	40°01.9	23°12.3	13°42.2	25°39.6	31°20.2	88°55.2	
14	120°18.4	4.3'	26°51.7	-5.1'	59.2'	49°34.3	39°26.9	22°38.4	13°08.2	26°04.4	31°53.4	89°30.5	
15	134°41.7	4.3'	26°46.6	-5.3'	59.2'	48°59.0	38°52.0	22°04.5	12°34.3	26°29.6	32°26.6	90°05.9	
16	149°05.0	4.4'	26°41.3	-5.5'	59.2'	48°23.6	38°17.1	21°30.6	12°00.6	26°55.1	32°59.9	90°41.2	
17	163°28.4	4.5'	26°35.8	-5.7'	59.1'	47°48.3	37°42.2	20°56.8	11°27.1	27°21.0	33°33.2	91°16.5	
18	177°51.9	4.5'	N26°30.2	-5.8'	59.1'	47°12.9	37°07.3	20°22.9	10°53.7	27°47.2	34°06.6	91°51.9	
19	192°15.4	4.6'	26°24.4	-6.0'	59.1'	46°37.6	36°32.4	19°49.1	10°20.6	28°13.7	34°40.0	92°27.2	
20	206°39.1	4.7'	26°18.4	-6.2'	59.1'	46°02.3	35°57.5	19°15.2	9°47.7	28°40.5	35°13.5	93°02.5	
21	221°02.7	4.8'	26°12.2	-6.3'	59.1'	45°27.0	35°22.6	18°41.4	9°15.2	29°07.6	35°47.0	93°37.8	
22	235°26.5	4.9'	26°05.8	-6.5'	59.1'	44°51.7	34°47.8	18°07.6	8°43.0	29°34.9	36°20.5	94°13.1	
23	249°50.4	4.9'	25°59.3	-6.7'	59.1'	44°16.4	34°12.9	17°33.8	8°11.2	30°02.4	36°54.1	94°48.4	
3 rd	SD = 16.2' Mer. pass. 05:38												

Moon (4 th Oct)						Lunar Distance (objects with largest hourly LD delta)							
Sun	GHA	ν	Dec	d	HP	-Sun	-Regulus	-Jupiter	-Mars	+Betelgeuse	+Capella	+Aldebaran	+Saturn
0	264°14.3	5.0'	N25°52.6	-6.9'	59.1'	84°12.8	43°41.1	33°38.0	17°00.0	26°03.4	30°30.2	37°27.8	95°23.7
1	278°38.3	5.1'	25°45.8	-7.0'	59.1'	83°40.0	43°05.8	33°03.2	16°26.3	26°25.0	30°58.2	38°01.4	95°59.0
2	293°02.4	5.2'	25°38.8	-7.2'	59.1'	83°07.3	42°30.5	32°28.3	15°52.5	26°47.0	31°26.5	38°35.2	96°34.2
3	307°26.6	5.3'	25°31.6	-7.3'	59.1'	82°34.5	41°55.3	31°53.5	15°18.7	27°09.4	31°54.9	39°08.9	97°09.5
4	321°50.9	5.4'	25°24.2	-7.5'	59.1'	82°01.8	41°20.0	31°18.7	14°45.0	27°32.3	32°23.5	39°42.7	97°44.7
5	336°15.2	5.4'	25°16.7	-7.7'	59.1'	81°29.1	40°44.8	30°43.9	14°11.3	27°55.5	32°52.3	40°16.4	98°19.9
6	350°39.7	5.5'	N25°09.0	-7.8'	59.1'	80°56.4	40°09.5	30°09.1	13°37.6	28°19.1	33°21.3	40°50.3	98°55.2
7	5°04.2	5.6'	25°01.2	-8.0'	59.0'	80°23.7	39°34.3	29°34.3	13°03.9	28°43.1	33°50.5	41°24.1	99°30.4
8	19°28.8	5.7'	24°53.2	-8.1'	59.0'	79°51.0	38°59.1	28°59.5	12°30.2	29°07.4	34°19.8	41°58.0	100°05.6
9	33°53.6	5.8'	24°45.1	-8.3'	59.0'	79°18.3	38°23.9	28°24.7	11°56.6	29°32.1	34°49.3	42°31.8	100°40.8
10	48°18.4	5.9'	24°36.8	-8.5'	59.0'	78°45.6	37°48.7	27°49.9	11°23.0	29°57.0	35°18.9	43°05.8	101°16.0
11	62°43.3	6.0'	24°28.3	-8.6'	59.0'	78°12.9	37°13.5	27°15.2	10°49.4	30°22.3	35°48.6	43°39.7	101°51.2
12	77°08.3	6.1'	N24°19.7	-8.8'	59.0'	77°40.3	36°38.3	26°40.4	10°15.8	30°47.8	36°18.5	44°13.6	102°26.3
13	91°33.4	6.2'	24°11.0	-8.9'	59.0'	77°07.6	36°03.2	26°05.7	9°42.3	31°13.6	36°48.5	44°47.6	103°01.5
14	105°58.6	6.3'	24°02.1	-9.1'	59.0'	76°35.0	35°28.0	25°31.0	9°08.8	31°39.7	37°18.7	45°21.5	103°36.6
15	120°23.9	6.4'	23°53.0	-9.2'	59.0'	76°02.4	34°52.9	24°56.2	8°35.3	32°06.1	37°48.9	45°55.5	104°11.8
16	134°49.3	6.5'	23°43.8	-9.3'	59.0'	75°29.7	34°17.7	24°21.5	8°01.9	32°32.7	38°19.3	46°29.5	104°46.9
17	149°14.8	6.6'	23°34.5	-9.5'	59.0'	74°57.1	33°42.6	23°46.8	7°28.5	32°59.5	38°49.7	47°03.5	105°22.0
18	163°40.3	6.7'	N23°25.0	-9.6'	58.9'	74°24.5	33°07.5	23°12.1	6°55.2	33°26.5	39°20.3	47°37.6	105°57.1
19	178°06.0	6.8'	23°15.4	-9.8'	58.9'	73°52.0	32°32.4	22°37.4	6°22.0	33°53.7	39°51.0	48°11.6	106°32.2
20	192°31.8	6.9'	23°05.6	-9.9'	58.9'	73°19.4	31°57.3	22°02.8	5°48.9	34°21.2	40°21.7	48°45.6	107°07.3
21	206°57.7	7.0'	22°55.7	-10.0'	58.9'	72°46.8	31°22.2	21°28.1	5°15.8	34°48.8	40°52.6	49°19.7	107°42.3
22	221°23.7	7.1'	22°45.7	-10.2'	58.9'	72°14.3	30°47.1	20°53.5	4°43.0	35°16.6	41°23.5	49°53.7	108°17.4
23	235°49.8	7.2'	22°35.5	-10.3'	58.9'	71°41.7	30°12.0	20°18.8	4°10.4	35°44.6	41°54.5	50°27.8	108°52.4
4 th	SD = 16.1' Mer. pass. 06:39					Sun SD = 16.0'							

Moon (5 th Oct)						Lunar Distance (objects with largest hourly LD delta)							
Mon	GHA	ν	Dec	d	HP	-Sun	-Regulus	-Jupiter	$\pm$ Mars	+Pollux	+Capella	+Aldebaran	+Saturn
0	250°15.9	7.3'	N22°25.2	-10.4'	58.9'	71°09.2	29°37.0	19°44.2	3°38.1	8°11.9	42°25.6	51°01.9	109°27.5
1	264°42.2	7.4'	22°14.7	-10.6'	58.9'	70°36.7	29°01.9	19°09.6	3°06.3	8°43.4	42°56.7	51°36.0	110°02.5
2	279°08.6	7.5'	22°04.2	-10.7'	58.9'	70°04.2	28°26.9	18°35.0	2°35.3	9°15.4	43°28.0	52°10.0	110°37.5
3	293°35.1	7.6'	21°53.5	-10.8'	58.9'	69°31.7	27°51.9	18°00.4		9°47.7	43°59.3	52°44.1	111°12.5
4	308°01.7	7.7'	21°42.7	-10.9'	58.8'	68°59.2	27°16.8	17°25.8		10°20.3	44°30.6	53°18.2	111°47.5
5	322°28.4	7.8'	21°31.7	-11.1'	58.8'	68°26.7	26°41.8	16°51.2		10°53.1	45°02.0	53°52.3	112°22.4
6	336°55.2	7.9'	N21°20.6	-11.2'	58.8'	67°54.2	26°06.9	16°16.6		11°26.2	45°33.5	54°26.4	112°57.4
7	351°22.1	8.0'	21°09.4	-11.3'	58.8'	67°21.8	25°31.9	15°42.1		11°59.4	46°05.1	55°00.5	113°32.3
8	5°49.1	8.1'	20°58.1	-11.4'	58.8'	66°49.4	24°56.9	15°07.5		12°32.7	46°36.6	55°34.6	114°07.3
9	20°16.2	8.2'	20°46.7	-11.5'	58.8'	66°16.9	24°22.0	14°33.0		13°06.2	47°08.3	56°08.7	114°42.2
10	34°43.4	8.3'	20°35.2	-11.7'	58.8'	65°44.5	23°47.0	13°58.5		13°39.8	47°40.0	56°42.8	115°17.1
11	49°10.7	8.4'	20°23.5	-11.8'	58.8'	65°12.1	23°12.1	13°23.9		14°13.5	48°11.7	57°16.9	115°52.0
12	63°38.1	8.5'	N20°11.7	-11.9'	58.8'	64°39.7	22°37.2	12°49.4	3°25.4	14°47.2	48°43.5	57°51.0	116°26.9
13	78°05.6	8.6'	19°59.8	-12.0'	58.7'	64°07.4	22°02.3	12°15.0	3°57.4	15°21.1	49°15.3	58°25.1	117°01.7
14	92°33.2	8.7'	19°47.8	-12.1'	58.7'	63°35.0	21°27.4	11°40.5	4°29.7	15°55.0	49°47.2	58°59.2	117°36.6
15	107°00.9	8.8'	19°35.7	-12.2'	58.7'	63°02.7	20°52.5	11°06.0	5°02.3	16°28.9	50°19.1	59°33.3	118°11.4
16	121°28.7	8.9'	19°23.5	-12.3'	58.7'	62°30.3	20°17.6	10°31.6	5°35.0	17°03.0	50°51.0	60°07.4	118°46.2
17	135°56.6	9.0'	19°11.2	-12.4'	58.7'	61°58.0	19°42.8	9°57.1	6°07.9	17°37.0	51°23.0	60°41.5	119°21.0
18	150°24.6	9.1'	N18°58.8	-12.5'	58.7'	61°25.7	19°07.9	9°22.7	6°40.8	18°11.1	51°55.0	61°15.6	119°55.8
19	164°52.7	9.2'	18°46.3	-12.6'	58.7'	60°53.4	18°33.1	8°48.3	7°13.9	18°45.2	52°27.0	61°49.7	
20	179°20.9	9.3'	18°33.7	-12.7'	58.7'	60°21.1	17°58.3	8°13.9	7°46.9	19°19.4	52°59.1	62°23.8	
21	193°49.2	9.4'	18°20.9	-12.8'	58.6'	59°48.8	17°23.5	7°39.5	8°20.0	19°53.6	53°31.2	62°57.8	
22	208°17.6	9.5'	18°08.1	-12.9'	58.6'	59°16.6	16°48.7	7°05.1	8°53.1	20°27.8	54°03.3	63°31.9	
23	222°46.0	9.6'	17°55.2	-13.0'	58.6'	58°44.3	16°13.9	6°30.8	9°26.2	21°02.0	54°35.5	64°06.0	
5 th	SD = 16.1' Mer. pass. 07:36					Sun SD = 16.0'							

Moon (6 th Oct)						Lunar Distance (objects with largest hourly LD delta)								
Tue	GHA	ν	Dec	d	HP	-Acrux	-Sun	-Regulus	$\pm$ Jupiter	+Mars	+Pollux	+Capella	+Aldebaran	
0	237°14.6	9.7'	N17°42.2	-13.1'	58.6'	89°37.7	58°12.1	15°39.1	5°56.4	9°59.4	21°36.2	55°07.6	64°40.0	
1	251°43.3	9.8'	17°29.1	-13.2'	58.6'	89°14.4	57°39.9	15°04.4	5°22.1	10°32.5	22°10.5	55°39.8	65°14.1	
2	266°12.1	9.9'	17°16.0	-13.3'	58.6'	88°51.1	57°07.7	14°29.7	4°47.8	11°05.7	22°44.7	56°12.0	65°48.1	
3	280°40.9	10.0'	17°02.7	-13.4'	58.6'	88°27.9	56°35.5	13°55.0	4°13.5	11°38.9	23°19.0	56°44.3	66°22.2	
4	295°09.9	10.0'	16°49.3	-13.4'	58.6'	88°04.6	56°03.4	13°20.3	3°39.2	12°12.0	23°53.3	57°16.5	66°56.2	
5	309°38.9	10.1'	16°35.9	-13.5'	58.5'	87°41.3	55°31.2	12°45.6	3°05.0	12°45.2	24°27.6	57°48.8	67°30.2	
6	324°08.1	10.2'	N16°22.4	-13.6'	58.5'	87°18.1	54°59.1	12°10.9	2°30.8	13°18.4	25°01.9	58°21.1	68°04.2	
7	338°37.3	10.3'	16°08.8	-13.7'	58.5'	86°54.9	54°26.9	11°36.3	1°56.6	13°51.5	25°36.2	58°53.4	68°38.3	
8	353°06.6	10.4'	15°55.1	-13.8'	58.5'	86°31.7	53°54.8	11°01.6	1°22.5	14°24.7	26°10.5	59°25.7	69°12.3	
9	7°36.0	10.5'	15°41.3	-13.8'	58.5'	86°08.6	53°22.7	10°27.0	0°48.6	14°57.8	26°44.8	59°58.1	69°46.3	
10	22°05.5	10.6'	15°27.5	-13.9'	58.5'	85°45.4	52°50.7	9°52.4		15°31.0	27°19.1	60°30.4	70°20.2	
11	36°35.1	10.7'	15°13.5	-14.0'	58.5'	85°22.3	52°18.6	9°17.8		16°04.1	27°53.4	61°02.8	70°54.2	
12	51°04.7	10.8'	N14°59.6	-14.1'	58.4'	84°59.2	51°46.6	8°43.3		16°37.2	28°27.7	61°35.2	71°28.2	
13	65°34.5	10.8'	14°45.5	-14.1'	58.4'	84°36.1	51°14.5	8°08.8	1°29.6	17°10.3	29°02.0	62°07.6	72°02.1	
14	80°04.3	10.9'	14°31.4	-14.2'	58.4'	84°13.1	50°42.5	7°34.3	2°03.6	17°43.4	29°36.3	62°39.9	72°36.1	
15	94°34.2	11.0'	14°17.2	-14.3'	58.4'	83°50.1	50°10.5	6°59.8	2°37.7	18°16.5	30°10.5	63°12.3	73°10.0	
16	109°04.2	11.1'	14°02.9	-14.3'	58.4'	83°27.1	49°38.6	6°25.4	3°11.8	18°49.6	30°44.8	63°44.8	73°44.0	
17	123°34.3	11.2'	13°48.6	-14.4'	58.4'	83°04.1	49°06.6	5°51.0	3°45.9	19°22.7	31°19.1	64°17.2	74°17.9	
18	138°04.5	11.2'	N13°34.2	-14.5'	58.4'	82°41.2	48°34.7	5°16.6	4°19.9	19°55.7	31°53.4	64°49.6	74°51.8	
19	152°34.7	11.3'	13°19.7	-14.5'	58.3'	82°18.3	48°02.7	4°42.3	4°54.0	20°28.8	32°27.6	65°22.0	75°25.7	
20	167°05.0	11.4'	13°05.2	-14.6'	58.3'	81°55.5	47°30.8	4°08.1	5°28.1	21°01.8	33°01.9	65°54.4	75°59.5	
21	181°35.4	11.5'	12°50.6	-14.6'	58.3'	81°32.7	46°58.9	3°34.0	6°02.1	21°34.8	33°36.1	66°26.9	76°33.4	
22	196°05.9	11.5'	12°36.0	-14.7'	58.3'	81°09.9	46°27.1	3°00.0	6°36.2	22°07.9	34°10.4	66°59.3	77°07.3	
23	210°36.5	11.6'	12°21.3	-14.7'	58.3'	80°47.2	45°55.2	2°26.3	7°10.2	22°40.9	34°44.6	67°31.7	77°41.1	
6 th	SD = 16.0'					Mer. pass. 08:29					Sun SD = 16.0'			

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'							

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°53.3	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°49.2
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°17.9	55°08.0	79°00.9	86°55.6	97°48.9
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°04.0	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°37.0	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°44.6	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°49.0	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°54.2	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							

DUT1 = UT1-UTC = -0.0346 sec $\Delta T = TT-UT1 = +69.2186$ sec

2026 October 10 to Oct. 12 UT

h Moon (10 th Oct)					
Sat	GHA	ν	Dec	d	HP
0	191°54.0	14.0'	S06°28.4	-15.1'	56.9'
1	206°27.0	14.0'	06°43.4	-15.0'	56.8'
2	221°00.0	14.0'	06°58.4	-15.0'	56.8'
3	235°33.0	14.0'	07°13.4	-14.9'	56.8'
4	250°05.9	14.0'	07°28.3	-14.9'	56.8'
5	264°38.9	13.9'	07°43.2	-14.8'	56.7'
6	279°11.8	13.9'	S07°58.0	-14.8'	56.7'
7	293°44.8	13.9'	08°12.8	-14.7'	56.7'
8	308°17.7	13.9'	08°27.6	-14.7'	56.7'
9	322°50.6	13.9'	08°42.3	-14.6'	56.7'
10	337°23.5	13.9'	08°56.9	-14.6'	56.6'
11	351°56.4	13.9'	09°11.5	-14.5'	56.6'
12	6°29.2	13.8'	S09°26.0	-14.5'	56.6'
13	21°02.1	13.8'	09°40.5	-14.4'	56.6'
14	35°34.9	13.8'	09°55.0	-14.4'	56.5'
15	50°07.7	13.8'	10°09.3	-14.3'	56.5'
16	64°40.5	13.8'	10°23.7	-14.3'	56.5'
17	79°13.2	13.7'	10°37.9	-14.2'	56.5'
18	93°46.0	13.7'	S10°52.1	-14.1'	56.4'
19	108°18.7	13.7'	11°06.3	-14.1'	56.4'
20	122°51.4	13.7'	11°20.3	-14.0'	56.4'
21	137°24.1	13.6'	11°34.4	-14.0'	56.4'
22	151°56.7	13.6'	11°48.3	-13.9'	56.4'
23	166°29.3	13.6'	12°02.2	-13.8'	56.3'
10 th	SD = 15.5' Mer. pass. 11:33				

h Moon (11 th Oct)						Lunar Distance (objects with largest hourly LD delta)					
Sun	GHA	ν	Dec	d	HP	-Fomalhaut	-Altair	-Rigel Kent.	-Hadar	-Antares	-Venus
0	181°01.9	13.6'	S12°16.0	-13.8'	56.3'			New Moon			
1	195°34.5	13.5'	12°29.8	-13.7'	56.3'			New Moon			
2	210°07.0	13.5'	12°43.5	-13.6'	56.3'			New Moon			
3	224°39.5	13.5'	12°57.1	-13.6'	56.2'			New Moon			
4	239°12.0	13.4'	13°10.7	-13.5'	56.2'			New Moon			
5	253°44.5	13.4'	13°24.2	-13.4'	56.2'			New Moon			
6	268°16.9	13.4'	S13°37.6	-13.3'	56.2'			New Moon			
7	282°49.3	13.4'	13°51.0	-13.3'	56.1'			New Moon			
8	297°21.6	13.3'	14°04.2	-13.2'	56.1'			New Moon			
9	311°53.9	13.3'	14°17.4	-13.1'	56.1'			New Moon			
10	326°26.2	13.3'	14°30.6	-13.1'	56.1'						
11	340°58.5	13.2'	14°43.6	-13.0'	56.1'						
12	355°30.7	13.2'	S14°56.6	-12.9'	56.0'						
13	10°02.9	13.1'	15°09.5	-12.8'	56.0'						
14	24°35.0	13.1'	15°22.3	-12.7'	56.0'						
15	39°07.1	13.1'	15°35.0	-12.7'	56.0'						
16	53°39.2	13.0'	15°47.7	-12.6'	55.9'						
17	68°11.2	13.0'	16°00.3	-12.5'	55.9'						
18	82°43.2	13.0'	S16°12.8	-12.4'	55.9'						
19	97°15.2	12.9'	16°25.2	-12.3'	55.9'						
20	111°47.1	12.9'	16°37.5	-12.2'	55.8'						
21	126°19.0	12.8'	16°49.7	-12.2'	55.8'						
22	140°50.9	12.8'	17°01.9	-12.1'	55.8'						
23	155°22.7	12.8'	17°14.0	-12.0'	55.8'						
11 th	SD = 15.4' Mer. pass. 12:19										

h Moon (12 th Oct)						Lunar Distance (objects with largest hourly LD delta)				
Mon	GHA	ν	Dec	d	HP	-Fomalhaut	-Altair	-Antares	+Venus	+Arcturus
0	169°54.4	12.7'	S17°25.9	-11.9'	55.8'	115°30.6	90°10.0	35°25.7		
1	184°26.1	12.7'	17°37.8	-11.8'	55.7'	115°01.7	89°43.0	34°54.0		
2	198°57.8	12.6'	17°49.6	-11.7'	55.7'	114°32.8	89°16.1	34°22.4		
3	213°29.5	12.6'	18°01.3	-11.6'	55.7'	114°03.9	88°49.1	33°50.9		
4	228°01.1	12.6'	18°13.0	-11.5'	55.7'	113°35.0	88°22.2	33°19.3		
5	242°32.6	12.5'	18°24.5	-11.4'	55.6'	113°06.1	87°55.3	32°47.8		
6	257°04.1	12.5'	S18°35.9	-11.3'	55.6'	112°37.2	87°28.5	32°16.3		
7	271°35.6	12.4'	18°47.2	-11.2'	55.6'	112°08.3	87°01.7	31°44.8		
8	286°07.0	12.4'	18°58.5	-11.1'	55.6'	111°39.5	86°34.9	31°13.4		
9	300°38.4	12.3'	19°09.6	-11.0'	55.6'	111°10.6	86°08.1	30°42.0		
10	315°09.8	12.3'	19°20.7	-11.0'	55.5'	110°41.7	85°41.3	30°10.6		
11	329°41.1	12.3'	19°31.6	-10.9'	55.5'	110°12.9	85°14.6	29°39.2		
12	344°12.3	12.2'	S19°42.5	-10.8'	55.5'	109°44.0	84°47.9	29°07.9		
13	358°43.5	12.2'	19°53.2	-10.7'	55.5'	109°15.2	84°21.3	28°36.6		
14	13°14.7	12.1'	20°03.9	-10.6'	55.4'	108°46.4	83°54.6	28°05.3	5°47.1	
15	27°45.8	12.1'	20°14.4	-10.4'	55.4'	108°17.5	83°28.0	27°34.0	6°15.4	
16	42°16.9	12.0'	20°24.9	-10.3'	55.4'	107°48.7	83°01.5	27°02.8	6°44.3	
17	56°47.9	12.0'	20°35.2	-10.2'	55.4'	107°19.9	82°34.9	26°31.6	7°13.7	
18	71°18.9	11.9'	S20°45.5	-10.1'	55.4'	106°51.2	82°08.4	26°00.4	7°43.3	
19	85°49.8	11.9'	20°55.6	-10.0'	55.3'	106°22.4	81°42.0	25°29.3	8°13.3	
20	100°20.7	11.9'	21°05.6	-9.9'	55.3'	105°53.6	81°15.5	24°58.2	8°43.5	
21	114°51.6	11.8'	21°15.6	-9.8'	55.3'	105°24.9	80°49.1	24°27.1	9°13.9	40°56.7
22	129°22.4	11.8'	21°25.4	-9.7'	55.3'	104°56.1	80°22.7	23°56.0	9°44.4	41°12.0
23	143°53.2	11.7'	21°35.1	-9.6'	55.3'	104°27.4	79°56.4	23°24.9	10°15.1	41°27.5
12 th	SD = 15.2' Mer. pass. 13:05									