Moon (27th Feb) — Lunar Distance (objects with largest hourly LD delta)

h Fri	GHA	ν	Dec	d	HP	-Spica	-Arcturus	-Regulus	-Pollux	+Jupiter	+Aldebaran	+Saturn	+Venus
0	54°21.5	4.1	N27°26.1	-4.8	59.0	103°13.9	99°13.6	49°12.5	12°37.2		32°27.6	99°04.6	110°25.3
1	68°44.7	4.2	27°21.3	-5.0	59.0	102°38.6	98°44.7	48°37.3	12°03.0		33°00.7	100°19.4	110°57.4
2	83°07.9	4.3	27°16.3	-5.2	59.0	102°03.4	98°15.7	48°02.0	11°28.9		33°33.8	100°54.3	111°29.4
3	97°31.1	4.3	27°11.1	-5.4	59.0	101°28.2	97°46.8	47°26.8	10°54.9		34°07.0	101°29.1	112°01.5
4	111°54.5	4.4	27°05.7	-5.6	59.0	100°53.0	97°17.9	46°51.6	10°21.0		34°40.3	102°04.0	112°33.6
5	126°17.9	4.5	27°00.1	-5.7	59.0	100°17.8	96°48.9	46°16.3	9°47.3		35°13.6	102°38.8	113°05.7
6	140°41.4	4.6	N26°54.3	-5.9	58.9	99°42.6	96°20.0	45°41.1	9°13.8		35°46.9	103°13.6	113°37.7
7	155°05.0	4.6	26°48.4	-6.1	58.9	99°07.4	95°51.0	45°05.9	8°40.5		36°20.3	103°48.4	114°09.8
8	169°28.6	4.7	26°42.3	-6.3	58.9	98°32.2	95°22.0	44°30.7	8°07.5		36°53.8	104°23.2	114°41.8
9	183°52.3	4.8	26°36.0	-6.4	58.9	97°57.0	94°53.0	43°55.5	7°34.9		37°27.2	104°58.0	115°13.9
10	198°16.1	4.9	26°29.6	-6.6	58.9	97°21.8	94°24.1	43°20.3	7°02.6		38°00.7	105°32.8	115°45.9
11	212°40.0	5.0	26°23.0	-6.8	58.9	96°46.7	93°55.1	42°45.2	6°30.9		38°34.3	106°07.6	116°17.9
12	227°04.0	5.0	N26°16.2	-7.0	58.9	96°11.5	93°26.1	42°10.0	5°59.8		39°07.9	106°42.4	116°50.0
13	241°28.0	5.1	26°09.2	-7.1	58.9	95°36.4	92°57.1	41°34.8	5°29.5		39°41.5	107°17.1	117°22.0
14	255°52.1	5.2	26°02.1	-7.3	58.9	95°01.2	92°28.1	40°59.7			40°15.1	107°51.9	117°54.0
15	270°16.4	5.3	25°54.8	-7.5	58.9	94°26.1	91°59.1	40°24.6			40°48.8	108°26.6	118°25.9
16	284°40.7	5.4	25°47.3	-7.6	58.9	93°51.0	91°30.2	39°49.4			41°22.5	109°01.4	118°57.9
17	299°05.1	5.5	25°39.7	-7.8	58.8	93°15.9	91°01.2	39°14.3			41°56.2	109°36.1	119°29.9
18	313°29.6	5.6	N25°31.9	-7.9	58.8	92°40.8	90°32.2	38°39.2			42°29.9	110°10.8	
19	327°54.2	5.7	25°24.0	-8.1	58.8	92°05.7	90°03.3	38°04.1		7°46.9	43°03.7	110°45.5	
20	342°18.8	5.8	25°15.9	-8.3	58.8	91°30.6	89°34.3	37°29.0		8°17.6	43°37.5	111°20.2	
21	356°43.6	5.9	25°07.6	-8.4	58.8	90°55.5	89°05.4	36°53.9		8°48.9	44°11.3	111°54.9	
22	11°08.5	6.0	24°59.2	-8.6	58.8	90°20.5	88°36.4	36°18.8		9°20.6	44°45.1	112°29.6	
23	25°33.5	6.1	24°50.6	-8.7	58.8	89°45.4	88°07.5	35°43.8		9°52.7	45°18.9	113°04.2	

27th | SD = 16.1' | Mer. pass. 21:14

Moon (28th Feb) — Lunar Distance (objects with largest hourly LD delta)

h Sat	GHA	ν	Dec	d	HP	-Rigil Kent.	-Spica	-Arcturus	-Regulus	+Pollux	+Jupiter	+Aldebaran	+Saturn
0	39°58.5	6.2	N24°41.9	-8.9	58.8	117°26.2	89°10.4	87°38.6	35°08.7		10°25.1	45°52.7	113°38.9
1	54°23.7	6.3	24°33.0	-9.0	58.8	117°00.6	88°35.4	87°09.7	34°33.7		10°57.8	46°26.6	114°13.5
2	68°49.0	6.4	24°24.0	-9.2	58.8	116°34.9	88°00.4	86°40.8	33°58.6		11°30.7	47°00.5	114°48.2
3	83°14.4	6.5	24°14.8	-9.3	58.7	116°09.1	87°25.3	86°12.0	33°23.6		12°03.8	47°34.3	115°22.8
4	97°39.8	6.6	24°05.5	-9.5	58.7	115°43.3	86°50.3	85°43.1	32°48.6		12°37.0	48°08.2	115°57.4
5	112°05.4	6.7	23°56.1	-9.6	58.7	115°17.4	86°15.4	85°14.3	32°13.6		13°10.4	48°42.1	116°32.0
6	126°31.1	6.8	N23°46.4	-9.7	58.7	114°51.4	85°40.4	84°45.5	31°38.6		13°44.0	49°16.0	117°06.5
7	140°56.9	6.9	23°36.7	-9.9	58.7	114°25.4	85°05.4	84°16.7	31°03.6	6°32.8	14°17.6	49°49.9	117°41.1
8	155°22.7	7.0	23°26.8	-10.0	58.7	113°59.3	84°30.5	83°47.9	30°28.7	7°04.3	14°51.3	50°23.8	118°15.7
9	169°48.7	7.1	23°16.8	-10.2	58.7	113°33.2	83°55.5	83°19.2	29°53.7	7°36.4	15°25.2	50°57.8	118°50.3
10	184°14.8	7.2	23°06.6	-10.3	58.7	113°07.0	83°20.6	82°50.4	29°18.8	8°08.8	15°59.1	51°31.7	119°24.7
11	198°41.0	7.3	22°56.3	-10.4	58.6	112°40.7	82°45.7	82°21.7	28°43.9	8°41.6	16°33.0	52°05.6	119°59.2
12	213°07.3	7.4	N22°45.9	-10.6	58.6	112°14.4	82°10.8	81°53.1	28°09.0	9°14.6	17°07.0	52°39.6	
13	227°33.8	7.5	22°35.3	-10.7	58.6	111°48.0	81°35.9	81°24.4	27°34.1	9°47.8	17°41.1	53°13.5	
14	242°00.3	7.6	22°24.6	-10.8	58.6	111°21.6	81°01.1	80°55.8	26°59.2	10°21.2	18°15.2	53°47.4	
15	256°26.9	7.7	22°13.8	-10.9	58.6	110°55.1	80°26.2	80°27.2	26°24.3	10°54.7	18°49.4	54°21.4	
16	270°53.6	7.8	22°02.9	-11.1	58.6	110°28.6	79°51.4	79°58.7	25°49.5	11°28.3	19°23.5	54°55.3	
17	285°20.5	7.9	21°51.8	-11.2	58.6	110°02.0	79°16.5	79°30.1	25°14.6	12°02.1	19°57.7	55°29.2	
18	299°47.4	8.1	N21°40.6	-11.3	58.5	109°35.4	78°41.7	79°01.6	24°39.8	12°35.9	20°32.0	56°03.2	
19	314°14.5	8.2	21°29.3	-11.4	58.5	109°08.8	78°06.9	78°33.2	24°05.0	13°09.8	21°06.2	56°37.1	
20	328°41.7	8.3	21°17.8	-11.6	58.5	108°42.1	77°32.1	78°04.8	23°30.2	13°43.8	21°40.5	57°11.0	
21	343°08.9	8.4	21°06.3	-11.7	58.5	108°15.4	76°57.4	77°36.4	22°55.4	14°17.8	22°14.8	57°44.9	
22	357°36.3	8.5	20°54.6	-11.8	58.5	107°48.6	76°22.6	77°08.0	22°20.6	14°51.8	22°49.1	58°18.9	
23	12°03.8	8.6	20°42.9	-11.9	58.5	107°21.8	75°47.9	76°39.7	21°45.9	15°25.9	23°23.4	58°52.8	

28th | SD = 16.0' | Mer. pass. 22:10

Moon (1st Mar) — Lunar Distance (objects with largest hourly LD delta)

h Sun	GHA	ν	Dec	d	HP	-Antares	-Arcturus	-Spica	-Regulus	+Pollux	+Jupiter	+Capella	+Aldebaran
0	26°31.4	8.7	N20°31.0	-12.0	58.5		76°11.5	75°13.2	21°11.2	16°00.0	23°57.7	49°41.5	59°26.7
1	40°59.1	8.8	20°19.0	-12.1	58.4		75°43.3	74°38.5	20°36.4	16°34.2	24°32.0	50°13.4	60°00.6
2	55°26.9	8.9	20°06.9	-12.2	58.4		75°15.1	74°03.8	20°01.7	17°08.3	25°06.3	50°45.3	60°34.5
3	69°54.8	9.0	19°54.6	-12.3	58.4	119°57.3	74°47.0	73°29.1	19°27.1	17°42.5	25°40.7	51°17.2	61°08.4
4	84°22.8	9.1	19°42.3	-12.4	58.4	119°42.3	74°18.9	72°54.4	18°52.4	18°16.7	26°15.1	51°49.1	61°42.2
5	98°51.0	9.2	19°29.9	-12.5	58.4	119°27.6	73°50.8	72°19.8	18°17.7	18°50.9	26°49.3	52°21.1	62°16.1
6	113°19.2	9.3	N19°17.4	-12.6	58.4	119°12.8	73°22.7	71°45.2	17°43.1	19°25.1	27°23.6	52°53.1	62°50.0
7	127°47.5	9.4	19°04.7	-12.7	58.3	118°57.3	72°54.9	71°10.6	17°08.5	19°59.4	27°58.0	53°25.1	63°23.8
8	142°16.0	9.5	18°52.0	-12.8	58.3	118°42.3	72°27.0	70°36.0	16°33.9	20°33.6	28°32.3	53°57.1	63°57.7
9	156°44.5	9.6	18°39.2	-12.9	58.3	118°26.3	71°59.2	70°01.4	15°59.3	21°07.8	29°06.6	54°29.2	64°31.5
10	171°13.1	9.7	18°26.3	-13.0	58.3	118°10.3	71°31.4	69°26.9	15°24.8	21°42.0	29°40.9	55°01.3	65°05.3
11	185°41.9	9.9	18°13.3	-13.1	58.3	117°54.8	71°03.7	68°52.4	14°50.2	22°16.3	30°15.3	55°33.4	65°39.1
12	200°10.7	10.0	N18°00.2	-13.2	58.3	117°38.5	70°36.0	68°17.9	14°15.7	22°50.5	30°49.5	56°05.5	66°12.9
13	214°39.7	10.1	17°47.0	-13.3	58.2	117°23.0	70°08.4	67°43.4	13°41.2	23°24.7	31°23.8	56°37.6	66°46.7
14	229°08.8	10.2	17°33.7	-13.4	58.2	113°02.0	69°40.9	67°08.9	13°06.8	23°58.9	31°58.1	57°09.7	67°20.5
15	243°37.9	10.3	17°20.4	-13.5	58.2	116°47.9	69°13.4	66°34.4	12°32.3	24°33.1	32°32.4	57°41.9	67°54.3
16	258°07.2	10.4	17°06.9	-13.5	58.2	111°53.3	68°46.0	66°00.0	11°57.9	25°07.3	33°06.6	58°14.0	68°28.0
17	272°36.5	10.5	16°53.4	-13.6	58.2	111°18.9	68°18.6	65°25.6	11°23.4	25°41.5	33°40.8	58°46.2	69°01.8
18	287°06.0	10.6	N16°39.8	-13.7	58.1	110°44.5	67°51.3	64°51.2	10°49.0	26°15.7	34°14.9	59°18.4	69°35.5
19	301°35.5	10.6	16°26.1	-13.8	58.1	110°10.1	67°24.1	64°16.8	10°14.7	26°49.9	34°49.3	59°50.5	70°09.2
20	316°05.2	10.7	16°12.3	-13.9	58.1	109°35.8	66°57.0	63°42.5	9°40.3	27°24.0	35°23.5	60°22.7	70°42.9
21	330°34.9	10.8	15°58.5	-13.9	58.1	109°01.4	66°29.9	63°08.2	9°06.0	27°58.2	35°57.7	60°54.9	71°16.5
22	345°04.7	10.9	15°44.6	-14.0	58.0	108°27.1	66°02.9	62°33.8	8°31.7	28°32.3	36°31.8	61°27.1	71°50.2
23	359°34.7	11.0	15°30.6	-14.1	58.0	107°52.8	65°36.0	61°59.6	7°57.4	29°06.4	37°06.0	61°59.3	72°23.8

1st | SD = 15.9' | Mer. pass. 23:02

Moon (2nd Mar) — Lunar Distance (objects with largest hourly LD delta)

h Mon	GHA	ν	Dec	d	HP	-Antares	-Rigil Kent.	-Spica	±Regulus	+Pollux	+Jupiter	+Capella	+Aldebaran
0	14°04.7	11.1	N15°16.6	-14.1	58.0	107°18.5	96°05.6	61°25.3	7°23.2	29°40.5	37°40.1	62°33.5	72°57.5
1	28°34.8	11.2	15°02.4	-14.2	58.0	106°44.2	95°38.4	60°51.0	6°49.0	30°14.6	38°14.3	63°03.7	73°31.1
2	43°05.0	11.3	14°48.2	-14.3	58.0	106°10.0	95°11.3	60°16.8	6°14.8	30°48.7	38°48.4	63°35.9	74°04.7
3	57°35.4	11.4	14°34.0	-14.3	58.0	105°35.8	94°44.2	59°42.6	5°40.6	31°22.7	39°22.5	64°08.1	74°38.2
4	72°05.7	11.5	14°19.7	-14.4	57.9	105°01.6	94°17.0	59°08.5	5°06.5	31°56.7	39°56.5	64°40.2	75°11.8
5	86°36.2	11.6	14°05.3	-14.4	57.9	104°27.4	93°49.9	58°34.3	4°32.4	32°30.8	40°30.6	65°12.4	75°45.3
6	101°06.8	11.7	N13°50.9	-14.5	57.9	103°53.3	93°22.8	58°00.2	3°58.3	33°04.8	41°04.6	65°44.6	76°18.8
7	115°37.5	11.7	13°36.4	-14.6	57.9	103°19.1	92°55.7	57°26.1	3°24.4	33°38.7	41°38.6	66°16.8	76°52.3
8	130°08.2	11.8	13°21.8	-14.6	57.9	102°45.0	92°28.6	56°52.0	2°50.5	34°12.7	42°12.6	66°49.0	77°25.8
9	144°39.0	11.9	13°07.2	-14.7	57.8	102°11.0	92°01.6	56°17.9	2°16.7	34°46.7	42°46.6	67°21.1	77°59.3
10	159°10.0	12.0	12°52.5	-14.7	57.8	101°36.9	91°34.5	55°43.9	1°43.1	35°20.6	43°20.6	67°53.3	78°32.7
11	173°41.0	12.1	12°37.8	-14.8	57.8	101°02.9	91°07.5	55°09.9	1°10.1	35°54.5	43°54.5	68°25.4	79°06.1
12	188°12.0	12.2	N12°23.0	-14.8	57.8	100°28.9	90°40.5	54°35.9		36°28.4	44°28.4	68°57.6	79°39.5
13	202°43.2	12.2	12°08.2	-14.9	57.8	99°54.9	90°13.4	54°01.9		37°02.2	45°02.3	69°29.7	80°12.9
14	217°14.5	12.3	11°53.4	-14.9	57.7	99°20.9	89°46.5	53°28.0		37°36.1	45°36.2	70°01.8	80°46.2
15	231°45.8	12.4	11°38.5	-15.0	57.7	98°47.0	89°19.5	52°54.1		38°09.9	46°10.1	70°34.0	81°19.6
16	246°17.2	12.5	11°23.5	-15.0	57.7	98°13.1	88°52.6	52°20.2		38°43.7	46°43.9	71°06.1	81°52.9
17	260°48.7	12.6	11°08.5	-15.0	57.7	97°39.2	88°25.6	51°46.3	2°18.2	39°17.5	47°17.7	71°38.2	82°26.1
18	275°20.2	12.6	N10°53.5	-15.1	57.6	97°05.3	87°58.7	51°12.5	2°51.7	39°51.2	47°51.5	72°10.2	82°59.4
19	289°51.8	12.7	10°38.4	-15.1	57.6	96°31.5	87°31.9	50°38.7	3°25.4	40°24.9	48°25.2	72°42.3	83°32.6
20	304°23.6	12.8	10°23.3	-15.2	57.6	95°57.7	87°05.0	50°04.9	3°59.0	40°58.7	48°59.0	73°14.3	84°05.8
21	318°55.3	12.9	10°08.1	-15.2	57.6	95°23.9	86°38.2	49°31.1	4°32.7	41°32.3	49°32.7	73°46.4	84°39.0
22	333°27.2	12.9	09°52.9	-15.2	57.5	94°50.2	86°11.4	48°57.4	5°06.4	42°06.0	50°06.4	74°18.4	85°12.2
23	347°59.1	13.0	09°37.7	-15.3	57.5	94°16.4	85°44.6	48°23.7	5°40.0	42°39.6	50°40.1	74°50.4	85°45.3

2nd | SD = 15.8' | Mer. pass. 23:50

Moon (3rd Mar) — Lunar Distance (objects with largest hourly LD delta)

h Tue	GHA	ν	Dec	d	HP	-Antares	-Rigil Kent.	-Hadar	-Spica	+Regulus	+Pollux	+Jupiter	+Aldebaran
0	2°31.1	13.1	N09°22.4	-15.3	57.5	93°42.7	85°17.9	81°23.9	47°50.0	6°13.7	43°13.2	51°13.8	86°18.4
1	17°03.2	13.1	09°07.1	-15.3	57.5	93°09.1	84°51.2	80°57.9	47°16.4	6°47.3	43°46.8	51°47.3	86°51.5
2	31°35.3	13.2	08°51.8	-15.3	57.5	92°35.4	84°24.5	80°32.0	46°42.7	7°20.9	44°20.4	52°20.9	87°24.6
3	46°07.5	13.3	08°36.5	-15.4	57.4	92°01.8	83°57.9	80°06.1	46°09.1	7°54.5	44°53.9	52°54.5	87°57.6
4	60°39.7	13.3	08°21.1	-15.4	57.4	91°28.2	83°31.3	79°40.3	45°35.6	8°28.1	45°27.4	53°28.0	88°30.6
5	75°12.1	13.4	08°05.7	-15.4	57.4	90°54.6	83°04.7	79°14.5	45°02.0	9°01.6	46°00.9	54°01.5	89°03.6
6	89°44.5	13.4	N07°50.3	-15.4	57.4	90°21.1	82°38.2	78°48.8	44°28.5	9°35.2	46°34.4	54°35.0	89°36.6
7	104°16.9	13.5	07°34.8	-15.5	57.3	89°47.6	82°11.7	78°23.1	43°55.0	10°08.7	47°07.8	55°08.5	90°09.5
8	118°49.4	13.6	07°19.3	-15.5	57.3	89°14.1	81°45.2	77°57.4	43°21.6	10°42.1	47°41.2	55°41.9	90°42.4
9	133°22.0	13.6	07°03.9	-15.5	57.3	88°40.6	81°18.8	77°31.8	42°48.1	11°15.6	48°14.6	56°15.3	91°15.3
10	147°54.6	13.7	06°48.3	-15.5	57.3	88°07.2	80°52.5	77°06.3	42°14.7	11°49.0	48°48.0	56°48.7	91°48.1
11	162°27.3	13.7	06°32.8	-15.5	57.3	87°33.8	80°26.1	76°40.8	41°41.4	12°22.4	49°21.3	57°22.0	92°20.9
12	177°00.0	13.8	N06°17.3	-15.6	57.2	87°00.4	79°59.8	76°15.4	41°08.0	12°55.7	49°54.6	57°55.4	92°53.7
13	191°32.8	13.8	06°01.7	-15.6	57.2	86°27.1	79°33.6	75°50.0	40°34.7	13°29.1	50°27.9	58°28.7	93°26.5
14	206°05.7	13.9	05°46.2	-15.6	57.2	85°53.8	79°07.4	75°24.7	40°01.4	14°02.4	51°01.1	59°02.0	93°59.2
15	220°38.6	14.0	05°30.6	-15.6	57.2	85°20.5	78°41.2	74°59.4	39°28.2	14°35.7	51°34.4	59°35.2	94°31.9
16	235°11.5	14.0	05°15.0	-15.6	57.1	84°47.3	78°15.1	74°34.2	38°54.9	15°08.9	52°07.5	60°08.4	95°04.6
17	249°44.5	14.1	04°59.4	-15.6	57.1	84°14.0	77°49.1	74°09.1	38°21.7	15°42.2	52°40.7	60°41.6	95°37.2
18	264°17.6	14.1	N04°43.8	-15.6	57.1	83°40.8	77°23.1	73°44.0	37°48.6	16°15.3	53°13.8	61°14.8	96°09.9
19	278°50.7	14.1	04°28.2	-15.6	57.1	83°07.6	76°57.1	73°19.0	37°15.4	16°48.5	53°47.0	61°47.9	96°42.4
20	293°23.8	14.2	04°12.5	-15.6	57.0	82°34.5	76°31.2	72°54.0	36°42.3	17°21.7	54°20.0	62°21.0	97°15.0
21	307°57.0	14.2	03°56.9	-15.6	57.0	82°01.3	76°05.4	72°29.1	36°09.3	17°54.8	54°53.1	62°54.1	97°47.5
22	322°30.3	14.3	03°41.3	-15.6	57.0	81°28.3	75°39.6	72°04.3	35°36.2	18°27.8	55°26.1	63°27.2	98°20.0
23	337°03.5	14.3	03°25.6	-15.6	57.0	80°55.2	75°13.8	71°39.5	35°03.2	19°00.9	55°59.1	64°00.2	98°52.5

3rd | SD = 15.7' | Mer. pass. –:–

Moon (4th Mar) — Lunar Distance (objects with largest hourly LD delta)

h Wed	GHA	ν	Dec	d	HP	-Altair	-Antares	-Rigil Kent.	-Spica	+Regulus	+Pollux	+Jupiter	+Aldebaran
0	351°36.9	14.4	N03°10.0	-15.6	56.9		80°22.2	74°48.1	34°30.2	19°33.9	56°32.1	64°33.2	99°24.9
1	6°10.2	14.4	02°54.4	-15.6	56.9		79°49.2	74°22.5	33°57.3	20°06.9	57°05.0	65°06.1	99°57.3
2	20°43.6	14.4	02°38.8	-15.6	56.9		79°16.2	73°56.9	33°24.4	20°39.9	57°37.9	65°39.1	100°29.7
3	35°17.1	14.5	02°23.1	-15.6	56.9		78°43.3	73°31.4	32°51.5	21°12.8	58°10.8	66°12.0	101°02.0
4	49°50.6	14.5	02°07.5	-15.6	56.8		78°10.4	73°05.9	32°18.6	21°45.7	58°43.6	66°44.8	101°34.3
5	64°24.1	14.6	01°51.9	-15.6	56.8		77°37.5	72°40.6	31°45.8	22°18.6	59°16.5	67°17.6	102°06.6
6	78°57.6	14.6	N01°36.3	-15.6	56.8		77°04.7	72°15.2	31°13.0	22°51.4	59°49.2	67°50.5	102°38.9
7	93°31.2	14.6	01°20.7	-15.6	56.8		76°31.9	71°50.0	30°40.2	23°24.2	60°22.0	68°23.3	103°11.1
8	108°04.8	14.7	01°05.1	-15.6	56.7		75°59.1	71°24.8	30°07.5	23°57.0	60°54.7	68°56.0	103°43.2
9	122°38.5	14.7	00°49.5	-15.6	56.7		75°26.3	70°59.7	29°34.8	24°29.8	61°27.4	69°28.8	104°15.4
10	137°12.2	14.7	00°33.9	-15.6	56.7		74°53.6	70°34.6	29°02.1	25°02.5	62°00.1	70°01.5	104°47.5
11	151°45.9	14.7	00°18.4	-15.5	56.7		74°20.9	70°09.6	28°29.5	25°35.2	62°32.7	70°34.1	105°19.6
12	166°19.6	14.8	N00°02.8	-15.5	56.6		73°48.3	69°44.7	27°56.9	26°07.8	63°05.3	71°06.8	105°51.6
13	180°53.4	14.8	S00°12.7	-15.5	56.6		73°15.6	69°19.8	27°24.4	26°40.5	63°37.9	71°39.4	106°23.6
14	195°27.2	14.8	00°28.2	-15.5	56.6		72°43.0	68°55.1	26°51.8	27°13.1	64°10.5	72°11.9	106°55.6
15	210°01.0	14.8	00°43.7	-15.4	56.6		72°10.5	68°30.3	26°19.4	27°45.6	64°43.0	72°44.5	107°27.6
16	224°34.8	14.9	00°59.2	-15.4	56.5	119°55.9	71°37.9	68°05.7	25°46.8	28°18.2	65°15.5	73°17.0	107°59.5
17	239°08.7	14.9	01°14.7	-15.4	56.5	119°30.3	71°05.4	67°41.2	25°14.4	28°50.7	65°47.9	73°49.5	108°31.3
18	253°42.6	14.9	S01°30.1	-15.4	56.5	119°04.7	70°32.9	67°16.7	24°42.0	29°23.1	66°20.3	74°21.9	109°03.2
19	268°16.5	14.9	01°45.5	-15.4	56.4	118°39.0	70°00.5	66°52.3	24°09.7	29°55.6	66°52.8	74°54.3	109°35.0
20	282°50.4	14.9	02°00.9	-15.4	56.4	118°13.3	69°28.1	66°28.0	23°37.3	30°28.0	67°25.1	75°26.7	110°06.8
21	297°24.4	15.0	02°16.3	-15.4	56.4	117°47.5	68°55.7	66°03.7	23°05.0	31°00.4	67°57.5	75°59.1	110°38.5
22	311°58.3	15.0	02°31.7	-15.3	56.4	117°21.7	68°23.4	65°39.6	22°32.8	31°32.7	68°29.8	76°31.4	111°10.2
23	326°32.3	15.0	02°47.0	-15.3	56.3	116°55.9	67°51.0	65°15.5	22°00.5	32°05.1	69°02.0	77°03.7	111°41.9

4th | SD = 15.5' | Mer. pass. 00:35

Moon (5th Mar) — Lunar Distance (objects with largest hourly LD delta)

Thu	GHA	ν	Dec	d	HP	-Altair	-Antares	-Rigil Kent.	-Spica	+Regulus	+Pollux	+Jupiter	+Aldebaran
0	341°06.3	15.0	S03°02.3	-15.3	56.3	116°30.1	66°17.8	64°51.5	21°28.4	32°37.3	69°34.3	77°35.9	112°13.5
1	355°40.3	15.0	03°17.6	-15.2	56.3	116°04.2	66°46.5	64°27.6	20°56.2	33°09.6	70°06.5	78°08.2	112°45.1
2	10°14.3	15.0	03°32.8	-15.2	56.3	115°38.3	66°14.3	64°03.8	20°24.1	33°41.8	70°38.7	78°40.4	113°16.7
3	24°48.3	15.0	03°48.1	-15.2	56.2	115°12.4	65°42.1	63°40.1	19°52.0	34°14.0	71°10.8	79°12.5	113°48.2
4	39°22.4	15.1	04°03.2	-15.2	56.2	114°46.4	65°09.9	63°16.5	19°20.0	34°46.2	71°43.0	79°44.7	114°19.7
5	53°56.4	15.1	04°18.4	-15.1	56.2	114°20.4	64°37.8	62°53.0	18°48.0	35°18.3	72°15.0	80°16.8	114°51.1
6	68°30.5	15.1	S04°33.5	-15.1	56.2	113°54.4	64°05.7	62°29.5	18°16.0	35°50.4	72°47.1	80°48.9	115°22.6
7	83°04.6	15.1	04°48.6	-15.1	56.1	113°28.4	63°33.6	62°06.2	17°44.1	36°22.5	73°19.1	81°20.9	115°53.9
8	97°38.6	15.1	05°03.7	-15.0	56.1	113°02.4	63°01.6	61°42.9	17°12.2	36°54.5	73°51.1	81°52.9	116°25.3
9	112°12.7	15.1	05°18.7	-15.0	56.1	112°36.3	62°29.6	61°19.8	16°40.3	37°26.5	74°23.1	82°24.9	116°56.6
10	126°46.8	15.1	05°33.7	-14.9	56.1	112°10.3	61°57.6	60°56.8	16°08.5	37°58.5	74°55.0	82°56.9	117°27.9
11	141°20.9	15.1	05°48.6	-14.9	56.0	111°44.2	61°25.6	60°33.8	15°36.8	38°30.5	75°26.9	83°28.8	117°59.1
12	155°55.0	15.1	S06°03.5	-14.9	56.0	111°18.1	60°53.7	60°11.0	15°05.1	39°02.4	75°58.8	84°00.7	118°30.3
13	170°29.1	15.1	06°18.4	-14.8	56.0	110°51.9	60°21.8	59°48.2	14°33.4	39°34.3	76°30.7	84°32.5	119°01.4
14	185°03.2	15.1	06°33.2	-14.8	56.0	110°25.8	59°50.0	59°25.6	14°01.8	40°06.1	77°02.5	85°04.4	119°32.6
15	199°37.2	15.1	06°48.0	-14.7	55.9	109°59.7	59°18.2	59°03.1	13°30.2	40°38.0	77°34.2	85°36.1	
16	214°11.3	15.1	07°02.8	-14.7	55.9	109°33.5	58°46.4	58°40.7	12°58.6	41°09.8	78°06.0	86°07.9	
17	228°45.4	15.1	07°17.5	-14.7	55.9	109°07.4	58°14.6	58°18.4	12°27.2	41°41.5	78°37.7	86°39.7	
18	243°19.5	15.1	S07°32.1	-14.6	55.9	108°41.2	57°42.9	57°56.2	11°55.7	42°13.2	79°09.4	87°11.4	
19	257°53.6	15.1	07°46.7	-14.6	55.8	108°15.0	57°11.2	57°34.1	11°24.4	42°45.0	79°41.1	87°43.0	
20	272°27.7	15.1	08°01.3	-14.5	55.8	107°48.9	56°39.5	57°12.2	10°53.1	43°16.6	80°12.7	88°14.7	
21	287°01.7	15.1	08°15.8	-14.5	55.8	107°22.7	56°07.9	56°50.3	10°21.8	43°48.3	80°44.3	88°46.3	
22	301°35.8	15.0	08°30.3	-14.4	55.7	106°56.5	55°36.3	56°28.6	9°50.7	44°19.9	81°15.9	89°17.9	
23	316°09.8	15.0	08°44.7	-14.4	55.7	106°30.3	55°04.7	56°07.0	9°19.6	44°51.5	81°47.4	89°49.4	

5th   SD = 15.4′   Mer. pass. 01:18

Moon (6th Mar) — Lunar Distance (objects with largest hourly LD delta)

Fri	GHA	ν	Dec	d	HP	-Altair	-Rigil Kent.	-Antares	-Spica	+Regulus	+Pollux	+Jupiter	+Capella
0	330°43.9	15.0	S08°59.1	-14.3	55.7	106°04.1	55°45.6	54°33.1	8°48.6	45°23.0	82°18.9	90°20.9	112°35.8
1	345°17.9	15.0	09°13.5	-14.3	55.7	105°37.9	55°24.2	54°01.6	8°17.7	45°54.5	82°50.4	90°52.4	113°05.6
2	359°51.9	15.0	09°27.7	-14.2	55.7	105°11.8	55°03.0	53°30.1	7°46.9	46°26.0	83°21.9	91°23.9	113°35.3
3	14°25.9	15.0	09°42.0	-14.2	55.6	104°45.6	54°42.0	52°58.7	7°16.3	46°57.5	83°53.3	91°55.3	114°05.0
4	28°59.9	15.0	09°56.1	-14.1	55.6	104°19.4	54°21.0	52°27.2	6°45.8	47°28.9	84°24.7	92°26.7	114°34.6
5	43°33.9	15.0	10°10.3	-14.1	55.6	103°53.2	54°00.2	51°55.8	6°15.5	48°00.3	84°56.0	92°58.1	115°04.2
6	58°07.8	14.9	S10°24.3	-14.0	55.6	103°27.0	53°39.5	51°24.5	5°45.4	48°31.7	85°27.4	93°29.4	115°33.7
7	72°41.8	14.9	10°38.3	-14.0	55.5	103°00.8	53°19.0	50°53.1	5°15.5	49°03.0	85°58.7	94°00.7	116°03.2
8	87°15.7	14.9	10°52.3	-13.9	55.5	102°34.7	52°58.6	50°21.8	4°46.1	49°34.4	86°29.9	94°32.0	116°32.7
9	101°49.6	14.9	11°06.2	-13.8	55.5	102°08.5	52°38.3	49°50.5	4°17.1	50°05.6	87°01.2	95°03.3	117°02.1
10	116°23.5	14.9	11°20.0	-13.8	55.5	101°42.3	52°18.2	49°19.3	3°48.7	50°36.9	87°32.4	95°34.5	117°31.4
11	130°57.4	14.9	11°33.8	-13.7	55.5	101°16.2	51°58.3	48°48.1	3°21.2	51°08.1	88°03.6	96°05.7	118°00.8
12	145°31.3	14.8	S11°47.5	-13.7	55.4	100°50.0	51°38.5	48°16.9		51°39.3	88°34.8	96°36.9	118°30.0
13	160°05.1	14.8	12°01.2	-13.6	55.4	100°23.9	51°18.8	47°45.7		52°10.5	89°05.9	97°08.0	118°59.3
14	174°38.9	14.8	12°14.8	-13.5	55.4	99°57.9	50°59.3	47°14.6		52°41.6	89°37.0	97°39.1	119°28.5
15	189°12.7	14.8	12°28.4	-13.5	55.3	99°31.6	50°40.0	46°43.4		53°12.7	90°08.1	98°10.2	119°57.6
16	203°46.4	14.7	12°41.8	-13.4	55.3	99°05.2	50°20.8	46°12.4		53°43.8	90°39.1	98°41.2	
17	218°20.2	14.7	12°55.2	-13.3	55.3	98°39.4	50°01.8	45°41.3		54°14.9	91°10.1	99°12.3	
18	232°53.9	14.7	S13°08.6	-13.3	55.3	98°13.3	49°42.9	45°10.3		54°45.9	91°41.1	99°43.2	
19	247°27.6	14.7	13°21.9	-13.2	55.3	97°47.2	49°24.2	44°39.3		55°16.9	92°12.1	100°14.2	
20	262°01.2	14.6	13°35.1	-13.2	55.2	97°21.2	49°05.7	44°08.3		55°47.9	92°43.0	100°45.1	
21	276°34.9	14.6	13°48.2	-13.1	55.2	96°55.1	48°47.4	43°37.4		56°18.8	93°13.9	101°16.1	
22	291°08.5	14.6	14°01.3	-13.0	55.2	96°29.1	48°29.2	43°06.5		56°49.8	93°44.8	101°46.9	
23	305°42.0	14.5	14°14.3	-12.9	55.2	96°03.0	48°11.2	42°35.6		57°20.7	94°15.7	102°17.8	

6th   SD = 15.2′   Mer. pass. 02:01

Moon (7th Mar) — Lunar Distance (objects with largest hourly LD delta)

Sat	GHA	ν	Dec	d	HP	-Fomalhaut	-Mars	-Altair	-Antares	+Spica	+Regulus	+Pollux	+Jupiter
0	320°15.6	14.5	S14°27.3	-12.9	55.2			95°37.0	42°04.7	4°11.1	57°51.5	94°46.5	102°48.6
1	334°49.1	14.5	14°40.2	-12.8	55.1			95°11.0	41°33.9	4°39.6	58°22.4	95°17.3	103°19.4
2	349°22.6	14.4	14°53.0	-12.7	55.1			94°45.0	41°03.1	5°08.5	58°53.2	95°48.1	103°50.2
3	3°56.0	14.4	15°05.7	-12.7	55.1			94°19.1	40°32.3	5°37.7	59°24.0	96°18.8	104°20.9
4	18°29.4	14.4	15°18.4	-12.6	55.1	119°50.5		93°53.1	40°01.5	6°07.1	59°54.7	96°49.5	104°51.7
5	33°02.8	14.3	15°31.0	-12.5	55.1	119°22.4		93°27.2	39°30.8	6°36.8	60°25.5	97°20.2	105°22.4
6	47°36.1	14.3	S15°43.5	-12.4	55.0	118°54.3		93°01.2	39°00.1	7°06.5	60°56.2	97°50.9	105°53.0
7	62°09.4	14.3	15°55.9	-12.4	55.0	118°26.2		92°35.3	38°29.4	7°36.4	61°26.9	98°21.6	106°23.7
8	76°42.7	14.2	16°08.3	-12.3	55.0	117°58.1		92°09.4	37°58.8	8°06.3	61°57.5	98°52.2	106°54.3
9	91°15.9	14.2	16°20.6	-12.2	55.0	117°30.0		91°43.6	37°28.1	8°36.3	62°28.2	99°22.8	107°24.9
10	105°49.1	14.2	16°32.8	-12.1	55.0	117°01.8		91°17.7	36°57.5	9°06.4	62°58.8	99°53.3	107°55.4
11	120°22.3	14.1	16°44.9	-12.1	54.9	116°33.7		90°51.9	36°26.9	9°36.4	63°29.4	100°23.9	108°26.0
12	134°55.4	14.1	S16°57.0	-12.0	54.9	116°05.6	119°35.5	90°26.1	35°56.4	10°06.5	63°59.9	100°54.4	108°56.5
13	149°28.5	14.0	17°08.9	-11.9	54.9	115°37.5	119°06.9	90°00.3	35°25.9	10°36.7	64°30.4	101°24.9	109°27.0
14	164°01.5	14.0	17°20.8	-11.8	54.9	115°09.4	118°38.4	89°34.5	34°55.3	11°06.8	65°01.0	101°55.4	109°57.4
15	178°34.5	14.0	17°32.6	-11.7	54.9	114°41.3	118°09.8	89°08.7	34°24.9	11°36.9	65°31.5	102°25.9	110°27.9
16	193°07.5	13.9	17°44.4	-11.6	54.8	114°13.2	117°41.3	88°43.0	33°54.4	12°07.1	66°01.9	102°56.2	110°58.3
17	207°40.4	13.9	17°56.0	-11.6	54.8	113°45.1	117°12.9	88°17.3	33°24.0	12°37.2	66°32.4	103°26.6	111°28.7
18	222°13.3	13.8	S18°07.6	-11.5	54.8	113°17.0	116°44.4	87°51.6	32°53.6	13°07.4	67°02.8	103°57.0	111°59.0
19	236°46.1	13.8	18°19.1	-11.4	54.8	112°49.0	116°16.0	87°25.9	32°23.2	13°37.6	67°33.2	104°27.4	112°29.4
20	251°18.9	13.7	18°30.5	-11.3	54.8	112°20.9	115°47.5	87°00.3	31°52.8	14°07.7	68°03.6	104°57.7	112°59.7
21	265°51.6	13.7	18°41.8	-11.2	54.8	111°52.8	115°19.2	86°34.7	31°22.4	14°37.8	68°33.9	105°28.0	113°30.0
22	280°24.3	13.7	18°53.0	-11.2	54.7	111°24.7	114°50.8	86°09.1	30°52.1	15°08.0	69°04.2	105°58.3	114°00.3
23	294°57.0	13.6	19°04.1	-11.0	54.7	110°56.7	114°22.4	85°43.5	30°21.8	15°38.1	69°34.6	106°28.6	114°30.5

7th   SD = 15.0′   Mer. pass. 02:44

Moon (8th Mar) — Lunar Distance (objects with largest hourly LD delta)

Sun	GHA	ν	Dec	d	HP	-Sun	-Mars	-Fomalhaut	-Antares	+Spica	+Regulus	+Pollux	+Jupiter
0	309°29.6	13.6	S19°15.2	-11.0	54.7		113°54.1	110°28.6	29°51.5	16°08.2	70°04.8	106°58.8	115°00.8
1	324°02.2	13.5	19°26.1	-10.9	54.7		113°25.8	110°00.5	29°21.3	16°38.3	70°35.1	107°29.1	115°31.0
2	338°34.7	13.5	19°37.0	-10.8	54.7		112°57.5	109°32.5	28°51.0	17°08.4	71°05.4	107°59.3	116°01.2
3	353°07.2	13.4	19°47.8	-10.7	54.7		112°29.3	109°04.5	28°20.8	17°38.5	71°35.6	108°29.5	116°31.3
4	7°39.6	13.4	19°58.5	-10.6	54.6		112°01.0	108°36.4	27°50.6	18°08.5	72°05.8	108°59.6	117°01.5
5	22°12.0	13.3	20°09.1	-10.5	54.6		111°32.8	108°08.3	27°20.5	18°38.6	72°36.0	109°29.8	117°31.6
6	36°44.3	13.3	S20°19.6	-10.4	54.6		111°04.6	107°40.4	26°50.3	19°08.6	73°06.1	109°59.9	118°01.7
7	51°16.6	13.2	20°30.0	-10.3	54.6		110°36.4	107°12.3	26°20.2	19°38.7	73°36.3	110°30.1	118°31.8
8	65°48.8	13.2	20°40.3	-10.2	54.6		110°08.2	106°44.3	25°50.1	20°08.7	74°06.4	111°00.1	119°01.8
9	80°21.0	13.1	20°50.6	-10.1	54.6		109°40.1	106°16.3	25°20.0	20°38.7	74°36.5	111°30.1	119°31.9
10	94°53.1	13.1	21°00.7	-10.0	54.5		109°12.0	105°48.3	24°49.9	21°08.7	75°06.6	112°00.2	
11	109°25.2	13.0	21°10.7	-9.9	54.5		108°43.8	105°20.3	24°19.8	21°38.6	75°36.7	112°30.2	
12	123°57.2	13.0	S21°20.7	-9.8	54.5		108°15.8	104°52.3	23°49.8	22°08.6	76°06.7	113°00.2	
13	138°29.2	12.9	21°30.5	-9.7	54.5		107°47.7	104°24.4	23°19.8	22°38.5	76°36.8	113°30.2	
14	153°01.1	12.9	21°40.3	-9.6	54.5		107°19.6	103°56.4	22°49.8	23°08.5	77°06.8	114°00.2	
15	167°33.0	12.8	21°49.9	-9.5	54.5		106°51.6	103°28.4	22°19.8	23°38.4	77°36.8	114°30.1	
16	182°04.8	12.8	21°59.4	-9.4	54.5	119°44.2	106°23.6	103°00.5	21°49.8	24°08.3	78°06.8	115°00.1	
17	196°36.6	12.7	22°08.9	-9.3	54.5	119°16.7	105°55.6	102°32.5	21°19.8	24°38.2	78°36.7	115°30.0	
18	211°08.3	12.7	S22°18.2	-9.2	54.4	118°49.3	105°27.6	102°04.6	20°49.9	25°08.1	79°06.7	115°59.9	
19	225°40.0	12.6	22°27.5	-9.1	54.4	118°21.8	104°59.6	101°36.7	20°20.0	25°37.9	79°36.6	116°29.8	
20	240°11.6	12.6	22°36.6	-9.0	54.4	117°54.4	104°31.6	101°08.7	19°50.1	26°07.8	80°06.6	116°59.6	
21	254°43.2	12.5	22°45.6	-8.9	54.4	117°27.0	104°03.7	100°40.8	19°20.2	26°37.6	80°36.5	117°29.5	
22	269°14.7	12.5	22°54.6	-8.8	54.4	116°59.6	103°35.8	100°12.9	18°50.3	27°07.4	81°06.3	117°59.3	
23	283°46.1	12.4	23°03.4	-8.7	54.4	116°32.2	103°07.9	99°45.0	18°20.5	27°37.3	81°36.2	118°29.2	

8th   SD = 14.9′   Mer. pass. 03:28   Sun SD = 16.1′

Moon (9th Mar) — Lunar Distance (objects with largest hourly LD delta)

Mon	GHA	ν	Dec	d	HP	-Sun	-Mars	-Fomalhaut	-Antares	+Spica	+Regulus	+Procyon	+Pollux
0	298°17.5	12.3	S23°12.1	-8.6	54.4	116°04.8	102°40.0	99°17.1	17°50.6	28°07.1	82°06.1	113°21.7	118°59.0
1	312°48.9	12.3	23°20.7	-8.5	54.4	115°37.5	102°12.1	98°49.2	17°20.8	28°36.8	82°35.9	113°49.5	119°28.8
2	327°20.2	12.3	23°29.3	-8.4	54.3	115°10.1	101°44.2	98°21.4	16°51.0	29°06.6	83°05.8	114°17.3	119°58.6
3	341°51.5	12.2	23°37.7	-8.3	54.3	114°42.8	101°16.4	97°53.5	16°21.2	29°36.4	83°35.6	114°45.0	
4	356°22.7	12.1	23°46.0	-8.2	54.3	114°15.5	100°48.5	97°25.6	15°51.4	30°06.1	84°05.4	115°12.7	
5	10°53.8	12.1	23°54.1	-8.1	54.3	113°48.2	100°20.7	96°57.8	15°21.7	30°35.9	84°35.2	115°40.4	
6	25°24.9	12.0	S24°02.2	-8.0	54.3	113°20.9	99°52.9	96°29.9	14°51.9	31°05.6	85°05.0	116°08.0	
7	39°55.9	12.0	24°10.2	-7.9	54.3	112°53.6	99°25.1	96°02.1	14°22.2	31°35.3	85°34.7	116°35.6	
8	54°26.9	11.9	24°18.0	-7.7	54.3	112°26.4	98°57.3	95°34.3	13°52.5	32°05.0	86°04.5	117°03.2	
9	68°57.9	11.9	24°25.8	-7.6	54.3	111°59.1	98°29.5	95°06.4	13°22.8	32°34.8	86°34.2	117°30.8	
10	83°28.7	11.8	24°33.4	-7.5	54.3	111°31.9	98°01.7	94°38.6	12°53.1	33°04.4	87°04.0	117°58.3	
11	97°59.6	11.8	24°40.9	-7.4	54.3	111°04.6	97°33.9	94°10.8	12°23.4	33°34.1	87°33.7	118°25.7	
12	112°30.4	11.7	S24°48.3	-7.3	54.3	110°37.4	97°06.2	93°43.0	11°53.7	34°03.8	88°03.4	118°53.2	
13	127°01.1	11.7	24°55.6	-7.2	54.3	110°10.2	96°38.4	93°15.2	11°24.1	34°33.5	88°33.1	119°20.7	
14	141°31.8	11.6	25°02.8	-7.1	54.2	109°43.0	96°10.7	92°47.4	10°54.5	35°03.1	89°02.8	119°48.1	
15	156°02.4	11.6	25°09.9	-6.9	54.2	109°15.8	95°43.0	92°19.6	10°24.8	35°32.8	89°32.5		
16	170°33.0	11.5	25°16.8	-6.8	54.2	108°48.6	95°15.3	91°51.9	9°55.2	36°02.4	90°02.1		
17	185°03.5	11.5	25°23.7	-6.7	54.2	108°21.4	94°47.6	91°24.1	9°25.6	36°32.0	90°31.8		
18	199°33.9	11.4	S25°30.4	-6.6	54.2	107°54.3	94°19.9	90°56.3	8°56.1	37°01.6	91°01.5		
19	214°04.4	11.4	25°37.0	-6.5	54.2	107°27.1	93°52.2	90°28.6	8°26.5	37°31.3	91°31.1		
20	228°34.7	11.3	25°43.5	-6.4	54.2	107°00.0	93°24.5	90°00.8	7°57.0	38°00.9	92°00.8		
21	243°05.1	11.3	25°49.8	-6.2	54.2	106°32.8	92°56.8	89°33.1	7°27.5	38°30.5	92°30.4		
22	257°35.3	11.2	25°56.1	-6.1	54.2	106°05.7	92°29.2	89°05.4	6°58.0	39°00.1	93°00.0		
23	272°05.5	11.2	26°02.2	-6.0	54.2	105°38.6	92°01.5	88°37.7	6°28.5	39°29.7	93°29.7		

9th   SD = 14.8′   Mer. pass. 04:15   Sun SD = 16.1′

Moon (10th Mar) — Lunar Distance (objects with largest hourly LD delta)

Tue	GHA	ν	Dec	d	HP	-Sun	-Mars	-Fomalhaut	-Altair	±Antares	+Spica	+Arcturus	+Regulus
0	286°35.7	11.1	S26°08.2	-5.9	54.2	105°11.4	91°33.9	88°09.9	65°26.5	5°59.1	39°59.2	52°10.4	93°59.3
1	301°05.8	11.1	26°14.0	-5.8	54.2	104°44.3	91°06.2	87°42.2	65°02.6	5°29.7	40°28.8	52°31.1	94°28.9
2	315°35.9	11.0	26°19.8	-5.6	54.2	104°17.2	90°38.6	87°14.5	64°38.7	5°00.4	40°58.4	52°52.0	94°58.5
3	330°05.9	11.0	26°25.4	-5.5	54.2	103°50.1	90°10.9	86°46.8	64°14.9	4°31.1	41°28.0	53°12.9	95°28.1
4	344°35.9	10.9	26°30.9	-5.4	54.2	103°23.0	89°43.3	86°19.1	63°51.1	4°01.9	41°57.5	53°33.8	95°57.7
5	359°05.9	10.9	26°36.3	-5.3	54.2	102°55.9	89°15.7	85°51.4	63°27.4	3°32.8	42°27.1	53°55.0	96°27.3
6	13°35.8	10.8	S26°41.6	-5.1	54.2	102°28.8	88°48.1	85°23.8	63°03.7	3°03.9	42°56.7	54°16.2	96°56.9
7	28°05.6	10.8	26°46.7	-5.0	54.2	102°01.7	88°20.6	84°56.1	62°40.1	2°35.2	43°26.2	54°37.5	97°26.5
8	42°35.4	10.8	26°51.7	-4.9	54.2	101°34.6	87°52.8	84°28.4	62°16.5	2°07.0	43°55.8	54°58.8	97°56.0
9	57°05.1	10.7	26°56.6	-4.8	54.2	101°07.5	87°25.2	84°00.8	61°52.9	1°39.5	44°25.4	55°20.3	98°25.6
10	71°34.9	10.7	27°01.4	-4.6	54.2	100°40.4	86°57.6	83°33.1	61°29.5		44°54.9	55°41.8	98°55.2
11	86°04.5	10.7	27°06.0	-4.5	54.2	100°13.4	86°30.1	83°05.5	61°06.0		45°24.4	56°03.4	99°24.8
12	100°34.1	10.6	S27°10.5	-4.4	54.2	99°46.3	86°02.4	82°37.8	60°42.7		45°53.9	56°25.1	99°54.3
13	115°03.7	10.6	27°14.9	-4.2	54.2	99°19.3	85°34.8	82°10.2	60°19.3		46°23.5	56°46.9	100°23.9
14	129°33.3	10.5	27°19.2	-4.1	54.2	98°52.1	85°07.2	81°42.5	59°56.1		46°53.0	57°08.7	100°53.5
15	144°02.8	10.5	27°23.3	-4.0	54.2	98°25.1	84°39.6	81°14.9	59°32.8		47°22.6	57°30.6	101°23.0
16	158°32.2	10.4	27°27.3	-3.9	54.2	97°58.0	84°12.0	80°47.3	59°09.7		47°52.1	57°52.6	101°52.6
17	173°01.7	10.4	27°31.1	-3.7	54.2	97°30.9	83°44.4	80°19.7	58°46.6	2°32.1	48°21.7	58°14.7	102°22.2
18	187°31.0	10.3	S27°34.9	-3.6	54.2	97°03.8	83°16.8	79°52.1	58°23.6	3°00.7	48°51.2	58°36.8	102°51.7
19	202°00.4	10.3	27°38.5	-3.5	54.2	96°36.8	82°49.2	79°24.4	58°00.6	3°29.6	49°20.7	58°59.0	103°21.3
20	216°29.7	10.3	27°41.9	-3.3	54.2	96°09.7	82°21.6	78°56.8	57°37.7	3°58.6	49°50.3	59°21.1	103°50.9
21	230°59.0	10.2	27°45.3	-3.2	54.2	95°42.6	81°54.0	78°29.2	57°14.9	4°27.8	50°19.8	59°43.3	104°20.4
22	245°28.2	10.2	27°48.5	-3.1	54.2	95°15.5	81°26.4	78°01.6	56°52.1	4°56.9	50°49.4	60°05.5	104°50.0
23	259°57.4	10.2	27°51.6	-2.9	54.2	94°48.4	80°58.7	77°34.1	56°29.4	5°26.3	51°18.9	60°28.4	105°19.6

10th   SD = 14.8′   Mer. pass. 05:04   Sun SD = 16.1′

Moon (11ᵗʰ Mar) — Lunar Distance (objects with largest hourly LD delta)

Wed	GHA	ν	Dec	d	HP	-Sun	-Mars	-Fomalhaut	-Altair	+Antares	+Spica	+Arcturus	+Regulus
0	274°26.6	10.1'	S27°54.5	-2.8'	54.2'	277°06.6	94°21.4	80°31.1	77°06.5	56°06.8	5°55.7	51°48.5	60°50.9	105°49.1
1	288°55.7	10.1	27°57.3	-2.7	54.2	93°54.3	80°03.5	76°38.9	55°44.2	6°25.1	52°18.1	61°13.5	106°18.7
2	303°24.8	10.1	28°00.0	-2.5	54.2	93°27.2	79°35.9	76°11.3	55°21.7	6°54.5	52°47.6	61°36.1	106°48.3
3	317°53.9	10.0	28°02.5	-2.4	54.2	93°00.1	79°08.3	75°43.8	54°59.3	7°23.9	53°17.2	61°58.8	107°17.9
4	332°22.9	10.0	28°04.9	-2.3	54.2	92°33.0	78°40.7	75°16.2	54°36.9	7°53.4	53°46.8	62°21.6	107°47.5
5	346°51.9	10.0	28°07.2	-2.1	54.2	92°05.9	78°13.0	74°48.6	54°14.6	8°22.9	54°16.3	62°44.4	108°17.1
6	1°20.9	10.0	S28°09.3	-2.0	54.2	91°38.8	77°45.4	74°21.1	53°52.4	8°52.4	54°45.9	63°07.3	108°46.7
7	15°49.9	9.9	28°11.3	-1.9	54.2	91°11.7	77°17.7	73°53.5	53°30.3	9°21.9	55°15.5	63°30.2	109°16.3
8	30°18.8	9.9	28°13.2	-1.7	54.2	90°44.5	76°50.1	73°26.0	53°08.2	9°51.4	55°45.1	63°53.2	109°45.9
9	44°47.7	9.9	28°14.9	-1.6	54.2	90°17.4	76°22.4	72°58.4	52°46.3	10°21.0	56°14.7	64°16.2	110°15.5
10	59°16.6	9.9	28°16.5	-1.5	54.2	89°50.3	75°54.8	72°30.9	52°24.4	10°50.5	56°44.3	64°39.3	110°45.1
11	73°45.4	9.8	28°18.0	-1.3	54.2	89°23.1	75°27.1	72°03.4	52°02.6	11°20.1	57°13.9	65°02.5	111°14.8
12	88°14.3	9.8	S28°19.3	-1.2	54.2	88°56.0	74°59.5	71°35.8	51°40.9	11°49.7	57°43.5	65°25.7	111°44.4
13	102°43.1	9.8	28°20.5	-1.0	54.2	88°28.8	74°31.8	71°08.3	51°19.2	12°19.3	58°13.2	65°48.9	112°14.0
14	117°11.9	9.8	28°21.5	-0.9	54.3	88°01.7	74°04.1	70°40.8	50°57.7	12°48.9	58°42.8	66°12.2	112°43.7
15	131°40.6	9.8	28°22.4	-0.8	54.3	87°34.5	73°36.4	70°13.3	50°36.2	13°18.5	59°12.4	66°35.6	113°13.4
16	146°09.4	9.7	28°23.2	-0.6	54.3	87°07.3	73°08.7	69°45.8	50°14.9	13°48.1	59°42.1	66°59.0	113°43.0
17	160°38.1	9.7	28°23.8	-0.5	54.3	86°40.1	72°41.0	69°18.3	49°53.6	14°17.8	60°11.7	67°22.4	114°12.7
18	175°06.9	9.7	S28°24.3	-0.4	54.3	86°13.0	72°13.2	68°50.8	49°32.5	14°47.4	60°41.4	67°45.9	114°42.4
19	189°35.6	9.7	28°24.7	-0.2	54.3	85°45.7	71°45.5	68°23.3	49°11.4	15°17.1	61°11.1	68°09.4	115°12.1
20	204°04.2	9.7	28°24.9	-0.1	54.3	85°18.5	71°17.8	67°55.8	48°50.5	15°46.8	61°40.8	68°33.0	115°41.8
21	218°32.9	9.7	28°25.0	0.1	54.3	84°51.3	70°50.0	67°28.3	48°29.6	16°16.5	62°10.5	68°56.7	116°11.5
22	233°01.6	9.7	28°24.9	0.2	54.3	84°24.1	70°22.3	67°00.8	48°08.9	16°46.2	62°40.2	69°20.3	116°41.2
23	247°30.2	9.6	28°24.7	0.3	54.3	83°56.8	69°54.5	66°33.4	47°48.3	17°15.9	63°09.9	69°44.1	117°11.0
11ᵗʰ	SD = 14.8'	Mer. pass. 05:54									Sun SD = 16.1'		

Moon (12ᵗʰ Mar) — Lunar Distance (objects with largest hourly LD delta)

Thu	GHA	ν	Dec	d	HP	-Sun	-Mars	-Fomalhaut	-Altair	+Antares	+Spica	+Arcturus	+Regulus
0	261°58.9	9.6	S28°24.4	0.5	54.3	83°29.6	69°26.7	66°05.9	47°27.8	17°45.6	63°39.7	70°07.8	117°40.7
1	276°27.5	9.6	28°23.9	0.6	54.4	83°02.3	68°58.9	65°38.5	47°07.4	18°15.3	64°09.4	70°31.6	118°10.5
2	290°56.1	9.6	28°23.3	0.8	54.4	82°35.0	68°31.1	65°11.0	46°47.1	18°45.1	64°39.2	70°55.5	118°40.3
3	305°24.7	9.6	28°22.5	0.9	54.4	82°07.7	68°03.3	64°43.5	46°27.0	19°14.9	65°08.9	71°19.4	119°10.1
4	319°53.3	9.6	28°21.6	1.0	54.4	81°40.4	67°35.4	64°16.1	46°06.9	19°44.7	65°38.7	71°43.3	119°39.9
5	334°22.0	9.6	28°20.6	1.2	54.4	81°13.1	67°07.6	63°48.7	45°47.0	20°14.5	66°08.5	72°07.3	
6	348°50.6	9.6	S28°19.4	1.3	54.4	80°45.7	66°39.7	63°21.2	45°27.3	20°44.3	66°38.4	72°31.3	
7	3°19.1	9.6	28°18.1	1.5	54.4	80°18.4	66°11.8	62°53.8	45°07.6	21°14.1	67°08.2	72°55.3	
8	17°47.7	9.6	28°16.6	1.6	54.4	79°51.0	65°43.9	62°26.4	44°48.1	21°43.9	67°38.0	73°19.4	
9	32°16.3	9.6	28°15.0	1.7	54.4	79°23.6	65°16.0	61°59.0	44°28.8	22°13.8	68°07.9	73°43.6	
10	46°44.9	9.6	28°13.3	1.9	54.5	78°56.2	64°48.1	61°31.6	44°09.6	22°43.7	68°37.8	74°07.8	
11	61°13.5	9.6	28°11.4	2.0	54.5	78°28.8	64°20.2	61°04.2	43°50.5	23°13.6	69°07.6	74°32.0	
12	75°42.1	9.6	S28°09.4	2.2	54.5	78°01.4	63°52.2	60°36.8	43°31.6	23°43.5	69°37.6	74°56.2	
13	90°10.7	9.6	28°07.2	2.3	54.5	77°33.9	63°24.2	60°09.5	43°12.9	24°13.4	70°07.5	75°20.5	
14	104°39.3	9.6	28°04.9	2.4	54.5	77°06.5	62°56.3	59°42.1	42°54.3	24°43.3	70°37.4	75°44.8	
15	119°08.0	9.6	28°02.5	2.6	54.5	76°39.0	62°28.3	59°14.7	42°35.8	25°13.3	71°07.4	76°09.2	
16	133°36.6	9.6	27°59.9	2.7	54.5	76°11.5	62°00.2	58°47.4	42°17.6	25°43.3	71°37.3	76°33.6	
17	148°05.2	9.6	27°57.2	2.9	54.6	75°44.0	61°32.2	58°20.1	41°59.5	26°13.3	72°07.3	76°58.0	
18	162°33.8	9.6	S27°54.3	3.0	54.6	75°16.5	61°04.1	57°52.8	41°41.5	26°43.3	72°37.4	77°22.5	
19	177°02.5	9.7	27°51.3	3.1	54.6	74°48.9	60°36.1	57°25.4	41°23.8	27°13.3	73°07.4	77°47.0	
20	191°31.1	9.7	27°48.2	3.3	54.6	74°21.3	60°08.0	56°58.1	41°06.3	27°43.4	73°37.4	78°11.5	
21	205°59.8	9.7	27°44.9	3.4	54.6	73°53.8	59°39.8	56°30.9	40°48.9	28°13.4	74°07.5	78°36.1	
22	220°28.5	9.7	27°41.5	3.6	54.6	73°26.1	59°11.7	56°03.6	40°31.7	28°43.5	74°37.6	79°00.7	
23	234°57.2	9.7	27°37.9	3.7	54.7	72°58.5	58°43.6	55°36.3	40°14.7	29°13.6	75°07.7	79°25.3	
12ᵗʰ	SD = 14.8'	Mer. pass. 06:46									Sun SD = 16.1'		

Moon (13ᵗʰ Mar) — Lunar Distance (objects with largest hourly LD delta)

Fri	GHA	ν	Dec	d	HP	-Sun	-Mars	-Fomalhaut	-Altair	+Antares	+Hadar	+Spica	+Arcturus
0	249°25.9	9.7	S27°34.2	3.8	54.7	72°30.9	58°15.4	55°09.1	39°58.0	29°43.8	56°22.7	75°37.8	79°50.0
1	263°54.6	9.7	27°30.4	4.0	54.7	72°03.2	57°47.2	54°41.9	39°41.4	30°13.9	56°42.5	76°08.0	80°14.7
2	278°23.3	9.8	27°26.4	4.1	54.7	71°35.5	57°19.0	54°14.6	39°25.1	30°44.1	57°02.4	76°38.1	80°39.4
3	292°52.1	9.8	27°22.3	4.2	54.7	71°07.8	56°50.7	53°47.4	39°08.9	31°14.3	57°22.4	77°08.3	81°04.2
4	307°20.9	9.8	27°18.1	4.4	54.7	70°40.1	56°22.5	53°20.3	38°53.0	31°44.6	57°42.6	77°38.6	81°29.0
5	321°49.7	9.8	27°13.7	4.5	54.8	70°12.3	55°54.2	52°53.1	38°37.3	32°14.8	58°02.8	78°08.8	81°53.8
6	336°18.5	9.8	S27°09.2	4.7	54.8	69°44.5	55°25.9	52°26.0	38°21.9	32°45.0	58°23.1	78°39.0	82°18.7
7	350°47.3	9.9	27°04.5	4.8	54.8	69°16.7	54°57.6	51°58.8	38°06.7	33°15.3	58°43.6	79°09.3	82°43.6
8	5°16.2	9.9	26°59.7	4.9	54.8	68°48.9	54°29.2	51°31.7		33°45.6	59°04.1	79°39.6	83°08.5
9	19°45.0	9.9	26°54.8	5.1	54.8	68°21.1	54°00.9	51°04.7		34°15.9	59°24.8	80°09.9	83°33.5
10	34°13.9	9.9	26°49.7	5.2	54.9	67°53.2	53°32.5	50°37.6		34°46.3	59°45.5	80°40.3	83°58.4
11	48°42.9	10.0	26°44.5	5.3	54.9	67°25.3	53°04.0	50°10.6		35°16.7	60°06.4	81°10.6	84°23.4
12	63°11.8	10.0	S26°39.2	5.5	54.9	66°57.4	52°35.6	49°43.6		35°47.1	60°27.3	81°41.1	84°48.5
13	77°40.8	10.0	26°33.7	5.6	54.9	66°29.4	52°07.0	49°16.6		36°17.5	60°48.3	82°11.5	85°13.5
14	92°09.8	10.0	26°28.1	5.7	54.9	66°01.5	51°38.6	48°49.7		36°48.0	61°09.5	82°41.9	85°38.6
15	106°38.8	10.1	26°22.4	5.9	55.0	65°33.5	51°10.1	48°22.7		37°18.5	61°30.7	83°12.4	86°03.8
16	121°07.9	10.1	26°16.5	6.0	55.0	65°05.5	50°41.6	47°55.8		37°49.0	61°52.0	83°42.9	86°28.9
17	135°37.0	10.1	26°10.5	6.1	55.0	64°37.4	50°13.0	47°29.0		38°19.5	62°13.5	84°13.4	86°54.1
18	150°06.1	10.1	S26°04.3	6.3	55.0	64°09.4	49°44.4	47°02.2		38°50.1	62°35.0	84°44.0	87°19.3
19	164°35.2	10.2	25°58.1	6.4	55.1	63°41.3	49°15.8	46°35.4		39°20.6	62°56.6	85°14.6	87°44.5
20	179°04.4	10.2	25°51.7	6.5	55.1	63°13.1	48°47.2	46°08.6		39°51.3	63°18.2	85°45.2	88°09.8
21	193°33.6	10.2	25°45.1	6.7	55.1	62°45.0	48°18.5	45°41.9		40°21.9	63°40.0	86°15.8	88°35.0
22	208°02.9	10.3	25°38.4	6.8	55.1	62°16.8	47°49.8	45°15.2		40°52.6	64°01.9	86°46.5	89°00.3
23	222°32.1	10.3	25°31.6	6.9	55.1	61°48.6	47°21.1	44°48.6		41°23.3	64°23.8	87°17.2	89°25.7
13ᵗʰ	SD = 14.9'	Mer. pass. 07:38									Sun SD = 16.1'		

Moon (14ᵗʰ Mar) — Lunar Distance (objects with largest hourly LD delta)

Sat	GHA	ν	Dec	d	HP	-Sun	-Mars	-Fomalhaut	-Antares	+Rigil Kent.	+Hadar	+Spica	+Arcturus
0	237°01.4	10.3	S25°24.7	7.1	55.2	61°20.4	46°52.3	44°22.0	41°54.0	60°22.9	64°45.8	87°47.9	89°51.0
1	251°30.8	10.4	25°17.6	7.2	55.2	60°52.1	46°23.5	43°55.5	42°24.7	60°45.0	65°08.0	88°18.6	90°16.4
2	266°00.1	10.4	25°10.4	7.3	55.2	60°23.8	45°54.7	43°29.0	42°55.5	61°07.1	65°30.2	88°49.4	90°41.8
3	280°29.5	10.4	25°03.1	7.5	55.3	59°55.5	45°25.9	43°02.6	43°26.3	61°29.4	65°52.4	89°20.2	91°07.2
4	294°59.0	10.5	24°55.7	7.6	55.3	59°27.2	44°57.0	42°36.2	43°57.2	61°51.7	66°14.8	89°51.0	91°32.6
5	309°28.5	10.5	24°48.1	7.7	55.3	58°58.8	44°28.1	42°09.8	44°28.0	62°14.1	66°37.2	90°21.9	91°58.1
6	323°58.0	10.5	S24°40.4	7.8	55.3	58°30.4	43°59.2	41°43.6	44°58.9	62°36.6	66°59.7	90°52.8	92°23.6
7	338°27.5	10.6	24°32.5	8.0	55.3	58°01.9	43°30.2	41°17.4	45°29.9	62°59.2	67°22.3	91°23.7	92°49.1
8	352°57.1	10.6	24°24.6	8.1	55.4	57°33.5	43°01.2	40°51.2	46°00.8	63°21.9	67°45.0	91°54.6	93°14.7
9	7°26.7	10.7	24°16.5	8.2	55.4	57°05.0	42°32.2	40°25.2	46°31.8	63°44.7	68°07.7	92°25.6	93°40.2
10	21°56.4	10.7	24°08.3	8.3	55.4	56°36.5	42°03.1	39°59.1	47°02.8	64°07.6	68°30.5	92°56.6	94°05.8
11	36°26.1	10.7	23°59.9	8.5	55.4	56°08.0	41°34.1	39°33.2	47°33.9	64°30.5	68°53.3	93°27.7	94°31.4
12	50°55.8	10.8	S23°51.5	8.6	55.5	55°39.3	41°04.9	39°07.4	48°05.0	64°53.5	69°16.4	93°58.8	94°57.0
13	65°25.6	10.8	23°42.9	8.7	55.5	55°10.7	40°35.8	38°41.6	48°36.1	65°16.6	69°39.6	94°29.9	95°22.6
14	79°55.4	10.9	23°34.2	8.8	55.5	54°42.0	40°06.6	38°15.9	49°07.2	65°39.8	70°02.5	95°01.0	95°48.2
15	94°25.3	10.9	23°25.3	9.0	55.5	54°13.3	39°37.4	37°50.3	49°38.4	66°03.1	70°25.7	95°32.2	96°13.9
16	108°55.2	10.9	23°16.4	9.1	55.6	53°44.6	39°08.2	37°24.8	50°09.6	66°26.5	70°49.0	96°03.4	96°39.6
17	123°25.1	11.0	23°07.3	9.2	55.6	53°15.9	38°38.9	36°59.4	50°40.9	66°49.9	71°12.3	96°34.6	97°05.3
18	137°55.1	11.0	S22°58.1	9.3	55.6	52°47.1	38°09.6	36°34.1	51°12.2	67°13.4	71°35.7	97°05.9	97°31.0
19	152°25.1	11.1	22°48.8	9.4	55.6	52°18.3	37°40.3	36°08.9	51°43.5	67°37.0	71°59.1	97°37.2	97°56.7
20	166°55.1	11.1	22°39.4	9.6	55.7	51°49.4	37°10.9	35°43.8	52°14.8	68°00.7	72°22.6	98°08.5	98°22.4
21	181°25.2	11.1	22°29.8	9.7	55.7	51°20.6	36°41.5	35°18.9	52°46.2	68°24.4	72°46.2	98°39.9	98°48.2
22	195°55.4	11.2	22°20.1	9.8	55.7	50°51.7	36°12.1	34°54.0	53°17.6	68°48.2	73°09.8	99°11.3	99°13.9
23	210°25.5	11.2	22°10.4	9.9	55.8	50°22.7	35°42.6	34°29.3	53°49.0	69°12.3	73°33.5	99°42.7	99°39.7
14ᵗʰ	SD = 15.0'	Mer. pass. 08:29									Sun SD = 16.1'		

Moon (15ᵗʰ Mar) — Lunar Distance (objects with largest hourly LD delta)

Sun	GHA	ν	Dec	d	HP	-Sun	-Mars	-Fomalhaut	-Antares	+Rigil Kent.	+Hadar	+Arcturus	+Spica
0	224°55.7	11.3	S22°00.5	10.0	55.8	49°53.7	35°13.1	34°04.7	54°20.5	69°36.1	73°57.3	100°05.5	100°05.5
1	239°26.0	11.3	21°50.4	10.1	55.8	49°24.7	34°43.6	33°40.3	54°52.0	70°00.1	74°21.1	100°31.3	100°45.7
2	253°56.3	11.3	21°40.3	10.3	55.8	48°55.7	34°14.0	33°16.0	55°23.6	70°24.2	74°45.0	100°57.1	101°17.2
3	268°26.6	11.4	21°30.0	10.4	55.9	48°26.6	33°44.4	32°51.9	55°55.2	70°48.3	75°08.9	101°22.9	101°48.8
4	282°57.0	11.4	21°19.7	10.5	55.9	47°57.5	33°14.8	32°27.9	56°26.8	71°12.6	75°32.9	101°48.8	102°20.4
5	297°27.4	11.5	21°09.2	10.6	55.9	47°28.3	32°45.1	32°04.1	56°58.4	71°36.9	75°57.0	102°14.6	102°52.0
6	311°57.9	11.5	S20°58.6	10.7	56.0	46°59.1	32°15.4	31°40.5	57°30.1	72°01.3	76°21.1	102°40.5	103°23.7
7	326°28.4	11.5	20°47.9	10.8	56.0	46°29.9	31°45.7	31°17.1	58°01.9	72°25.7	76°45.3	103°06.3	103°55.4
8	340°58.9	11.6	20°37.1	10.9	56.0	46°00.6	31°15.9	30°53.8	58°33.6	72°50.2	77°09.5	103°32.2	104°27.2
9	355°29.5	11.6	20°26.2	11.0	56.0	45°31.3	30°46.1	30°30.8	59°05.4	73°14.8	77°33.8	103°58.0	104°59.0
10	10°00.1	11.7	20°15.2	11.1	56.1	45°02.0	30°16.2	30°08.0	59°37.2	73°39.4	77°58.2	104°23.9	105°30.8
11	24°30.7	11.7	20°04.0	11.2	56.1	44°32.7	29°46.4	29°45.4	60°09.1	74°04.1	78°22.6	104°49.8	106°02.6
12	39°01.4	11.7	S19°52.8	11.4	56.1	44°03.3	29°16.4	29°23.0	60°41.0	74°28.8	78°47.0	105°15.7	106°34.5
13	53°32.2	11.8	19°41.4	11.5	56.2	43°33.8	28°46.5	29°00.9	61°13.0	74°53.7	79°11.5	105°41.6	107°06.5
14	68°02.9	11.8	19°30.0	11.6	56.2	43°04.3	28°16.5	28°39.1	61°44.9	75°18.5	79°36.1	106°07.4	107°38.4
15	82°33.7	11.8	19°18.4	11.7	56.2	42°34.8	27°46.5	28°17.5	62°16.9	75°43.5	80°00.7	106°33.3	108°10.4
16	97°04.6	11.9	19°06.7	11.8	56.3	42°05.3	27°16.4	27°56.2	62°49.0	76°08.5	80°25.3	106°59.2	108°42.5
17	111°35.5	11.9	18°55.0	11.9	56.3	41°35.7	26°46.3	27°35.1	63°21.1	76°33.5	80°50.0	107°25.0	109°14.6
18	126°06.4	12.0	S18°43.1	12.0	56.3	41°06.1	26°16.2	27°14.4	63°53.3	76°58.6	81°14.8	107°50.9	109°46.7
19	140°37.4	12.0	18°31.1	12.1	56.3	40°36.4	25°46.0	26°54.1	64°25.4	77°23.8	81°39.6	108°16.8	110°18.8
20	155°08.4	12.0	18°19.0	12.2	56.4	40°06.7	25°15.8	26°34.0	64°57.6	77°49.0	82°04.4	108°42.6	110°51.0
21	169°39.4	12.1	18°06.9	12.3	56.4		24°45.6	26°14.3	65°29.8	78°14.3	82°29.3	109°08.5	111°23.2
22	184°10.5	12.1	17°54.6	12.4	56.4		24°15.3	25°55.0	66°02.1	78°39.6	82°54.3	109°34.4	111°55.5
23	198°41.6	12.1	17°42.2	12.5	56.5		23°45.0	25°36.0	66°34.4	79°05.0	83°19.3	110°00.2	112°27.8
15ᵗʰ	SD = 15.2'	Mer. pass. 09:19									Sun SD = 16.1'		

Moon (16ᵗʰ Mar) — Lunar Distance (objects with largest hourly LD delta)

Mon	GHA	ν	Dec	d	HP	-Fomalhaut	-Mars	-Antares	+Rigil Kent.	+Hadar	+Acrux	+Arcturus	+Spica
0	213°12.7	12.2	S17°29.7	12.6	56.5	25°17.5	23°14.7	67°06.8	79°30.4	83°44.3	91°30.6	110°26.8	113°00.1
1	227°43.9	12.2	17°17.2	12.7	56.5	24°59.4	22°44.3	67°39.1	79°55.9	84°09.3	91°52.2	110°51.8	113°32.5
2	242°15.1	12.2	17°04.5	12.8	56.6	24°41.7	22°13.9	68°11.6	80°21.4	84°34.5	92°13.8	111°17.7	114°04.9
3	256°46.3	12.3	16°51.8	12.8	56.6	24°24.4	21°43.4	68°44.0	80°47.0	84°59.6	92°35.5	111°43.4	114°37.4
4	271°17.6	12.3	16°38.9	12.9	56.6	24°07.6	21°13.0	69°16.5	81°12.7	85°24.8	92°57.1	112°09.2	115°09.9
5	285°48.9	12.3	16°26.0	13.0	56.7	23°51.4	20°42.4	69°49.1	81°38.3	85°50.0	93°18.8	112°35.0	115°42.4
6	300°20.3	12.4	S16°12.9	13.1	56.7	23°35.6	20°11.9	70°21.7	82°04.1	86°15.3	93°40.5	113°00.7	116°15.0
7	314°51.7	12.4	15°59.8	13.2	56.7	23°20.3	19°41.3	70°54.3	82°29.8	86°40.5	94°02.1	113°26.5	116°47.6
8	329°23.1	12.4	15°46.6	13.3	56.7		19°10.7	71°26.9	82°55.7	87°05.9	94°24.0	113°52.2	117°20.2
9	343°54.5	12.5	15°33.3	13.4	56.8		18°40.0	71°59.6	83°21.5	87°31.3	94°45.7	114°17.9	117°52.9
10	358°26.0	12.5	15°19.9	13.5	56.8		18°09.3	72°32.4	83°47.4	87°56.7	95°07.5	114°43.5	118°25.6
11	12°57.5	12.5	15°06.4	13.6	56.8		17°38.6	73°05.1	84°13.4	88°22.2	95°29.2	115°09.2	118°58.4
12	27°29.0	12.6	S14°52.9	13.6	56.9		17°07.8	73°38.0	84°39.4	88°47.7	95°51.0	115°34.8	119°31.2
13	42°00.6	12.6	14°39.2	13.7	56.9		16°37.0	74°10.8	85°05.4	89°13.3	96°12.8	116°00.4	
14	56°32.2	12.6	14°25.5	13.8	56.9		16°06.2	74°43.7	85°31.5	89°38.7	96°34.6	116°25.9	
15	71°03.8	12.6	14°11.7	13.9	57.0		15°35.4	75°16.6	85°57.6	90°04.2	96°56.3	116°51.4	
16	85°35.4	12.7	13°57.8	14.0	57.0		15°04.5	75°49.6	86°23.8	90°29.7	97°18.1	117°16.9	
17	100°07.1	12.7	13°43.8	14.1	57.0		14°33.6	76°22.6	86°50.0	90°55.6	97°39.9	117°42.3	
18	114°38.8	12.7	S13°29.7	14.2	57.1		14°02.6	76°55.6	87°16.2	91°21.2	98°01.7	118°07.6	
19	129°10.5	12.7	13°15.6	14.2	57.1		13°31.6	77°28.7	87°42.5	91°46.9	98°23.5	118°33.1	
20	143°42.2	12.8	13°01.4	14.3	57.1		13°00.6	78°01.9	88°08.7	92°12.6	98°45.3	118°58.7	
21	158°14.0	12.8	12°47.1	14.4	57.2		12°29.6	78°35.0	88°35.1	92°38.4	99°07.1	119°24.3	
22	172°45.8	12.8	12°32.7	14.4	57.2		11°58.6	79°08.2	89°01.5	93°04.2	99°28.9	119°49.9	
23	187°17.6	12.8	12°18.3	14.5	57.2		11°27.5	79°41.5	89°27.9	93°29.9	99°50.7		
16ᵗʰ	SD = 15.4'	Mer. pass. 10:06									Sun SD = 16.1'		

Moon (17th Mar) — Lunar Distance (objects with largest hourly LD delta)

h Tue	GHA	ν	Dec	d	HP	-Mars	+Altair	+Antares	+Rigil Kent.	+Hadar	+Acrux
0	201°49.4	12.8'	S12°03.8	14.6'	57.2'	10°56.4	40°25.2	80°14.7	89°54.3	93°55.7	100°12.5
1	216°21.3	12.9'	11°49.2	14.7'	57.3'	10°25.3	40°44.1	80°48.0	90°20.8	94°21.6	100°34.2
2	230°53.1	12.9'	11°34.5	14.7'	57.3'	9°54.2	41°03.3	81°21.4	90°47.3	94°47.4	100°56.0
3	245°25.0	12.9'	11°19.8	14.8'	57.3'	9°23.1	41°22.8	81°54.8	91°13.8	95°13.3	101°17.7
4	259°56.9	12.9'	11°05.0	14.9'	57.4'	8°51.9	41°42.6	82°28.2	91°40.4	95°39.2	101°39.5
5	274°28.8	12.9'	10°50.1	14.9'	57.4'	8°20.8	42°02.6	83°01.7	92°06.9	96°05.1	102°01.2
6	289°00.8	12.9'	S10°35.2	15.0'	57.4'	7°49.7	42°22.8	83°35.2	92°33.5	96°31.0	102°22.9
7	303°32.7	13.0'	10°20.2	15.1'	57.5'	7°18.7	42°43.3	84°08.7	93°00.2	96°57.0	102°44.6
8	318°04.7	13.0'	10°05.1	15.1'	57.5'	6°47.6	43°04.1	84°42.3	93°26.8	97°22.9	103°06.3
9	332°36.6	13.0'	09°50.0	15.2'	57.5'	6°16.6	43°25.1	85°15.9	93°53.5	97°48.9	103°27.9
10	347°08.6	13.0'	09°34.8	15.3'	57.6'	5°45.8	43°46.3	85°49.6	94°20.2	98°14.8	103°49.6
11	1°40.6	13.0'	09°19.6	15.3'	57.6'	5°15.0	44°07.7	86°23.3	94°46.9	98°40.8	104°11.2
12	16°12.6	13.0'	S09°04.3	15.4'	57.6'	4°44.4	44°29.4	86°57.0	95°13.7	99°06.8	104°32.7
13	30°44.7	13.0'	08°48.9	15.4'	57.6'	4°14.1	44°51.3	87°30.8	95°40.4	99°32.8	104°54.3
14	45°16.7	13.0'	08°33.5	15.5'	57.7'	3°44.2	45°13.4	88°04.6	96°07.2	99°58.8	105°15.8
15	59°48.7	13.0'	08°18.0	15.5'	57.7'	3°14.8	45°35.8	88°38.5	96°34.0	100°24.8	105°37.3
16	74°20.8	13.0'	08°02.4	15.6'	57.7'	2°46.3	45°58.3	89°12.3	97°00.8	100°50.8	105°58.8
17	88°52.8	13.1'	07°46.8	15.6'	57.8'		46°21.0	89°46.3	97°27.6	101°16.9	106°20.2
18	103°24.9	13.1'	S07°31.2	15.7'	57.8'		46°44.0	90°20.2	97°54.4	101°42.9	106°41.6
19	117°56.9	13.1'	07°15.5	15.7'	57.8'		47°07.1	90°54.2	98°21.3	102°08.9	107°02.9
20	132°29.0	13.1'	06°59.7	15.8'	57.9'		47°30.4	91°28.3	98°48.1	102°34.9	107°24.3
21	147°01.0	13.1'	06°43.9	15.8'	57.9'		47°54.0	92°02.3	99°15.0	103°00.9	107°45.5
22	161°33.1	13.1'	06°28.1	15.9'	57.9'		48°17.7	92°36.4	99°41.9	103°26.9	108°06.8
23	176°05.2	13.1'	06°12.2	15.9'	57.9'		48°41.5	93°10.6	100°08.7	103°52.9	108°27.9

17th SD = 15.6' Mer. pass. 10:53

Moon (18th Mar) — Lunar Distance (objects with largest hourly LD delta)

h Wed	GHA	ν	Dec	d	HP	+Mars	+Fomalhaut	+Altair	+Antares	+Rigil Kent.	+Hadar	+Acrux
0	190°37.2	13.1'	S05°56.3	16.0'	58.0'		23°32.8	49°05.6	93°44.7	100°35.6	104°18.9	108°49.1
1	205°09.3	13.1'	05°40.3	16.0'	58.0'		23°49.3	49°29.8	94°18.9	101°02.5	104°44.9	109°10.1
2	219°41.3	13.0'	05°24.3	16.1'	58.0'		24°06.4	49°54.2	94°53.2	101°29.4	105°10.8	109°31.2
3	234°13.4	13.0'	05°08.2	16.1'	58.1'		24°24.1	50°18.8	95°27.5	101°56.3	105°36.8	109°52.2
4	248°45.4	13.0'	04°52.1	16.1'	58.1'	4°14.2	24°42.3	50°43.5	96°01.8	102°23.2	106°02.7	110°13.1
5	263°17.5	13.0'	04°35.9	16.2'	58.1'	4°45.1	25°01.1	51°08.4	96°36.1	102°50.0	106°28.6	110°33.9
6	277°49.5	13.0'	S04°19.7	16.2'	58.1'	5°16.3	25°20.4	51°33.5	97°10.5	103°16.9	106°54.6	110°54.8
7	292°21.5	13.0'	04°03.5	16.3'	58.2'	————————————————— New Moon —————————————————
8	306°53.5	13.0'	03°47.3	16.3'	58.2'	————————————————— New Moon —————————————————
9	321°25.5	13.0'	03°31.0	16.3'	58.2'	————————————————— New Moon —————————————————
10	335°57.5	13.0'	03°14.7	16.4'	58.3'	————————————————— New Moon —————————————————
11	350°29.5	13.0'	02°58.3	16.4'	58.3'	————————————————— New Moon —————————————————
12	5°01.4	12.9'	S02°41.9	16.4'	58.3'	————————————————— New Moon —————————————————
13	19°33.4	12.9'	02°25.5	16.4'	58.3'	————————————————— New Moon —————————————————
14	34°05.3	12.9'	02°09.1	16.5'	58.4'	————————————————— New Moon —————————————————
15	48°37.2	12.9'	01°52.6	16.5'	58.4'	————————————————— New Moon —————————————————
16	63°09.1	12.9'	01°36.1	16.5'	58.4'	————————————————— New Moon —————————————————
17	77°41.0	12.8'	01°19.6	16.5'	58.4'	————————————————— New Moon —————————————————
18	92°12.8	12.8'	S01°03.1	16.6'	58.5'	————————————————— New Moon —————————————————
19	106°44.7	12.8'	00°46.5	16.6'	58.5'	————————————————— New Moon —————————————————
20	121°16.5	12.8'	00°30.0	16.6'	58.5'	————————————————— New Moon —————————————————
21	135°48.2	12.8'	S00°13.4	16.6'	58.6'	————————————————— New Moon —————————————————
22	150°20.0	12.7'	N00°03.2	16.6'	58.6'	————————————————— New Moon —————————————————
23	164°51.7	12.7'	00°19.9	16.6'	58.6'	————————————————— New Moon —————————————————

18th SD = 15.8' Mer. pass. 11:39

Moon (19th Mar) — Lunar Distance (objects with largest hourly LD delta)

h Thu	GHA	ν	Dec	d	HP	-Procyon	-Pollux	-Jupiter	-Betelgeuse	-Capella	-Rigel	-Aldebaran	-Venus
0	179°23.4	12.7'	N00°36.5	16.6'	58.6'	————————————————— New Moon —————————————————
1	193°55.1	12.6'	00°53.1	16.6'	58.7'	————————————————— New Moon —————————————————
2	208°26.7	12.6'	01°09.8	16.7'	58.7'	————————————————— New Moon —————————————————
3	222°58.3	12.6'	01°26.4	16.7'	58.7'	————————————————— New Moon —————————————————
4	237°29.9	12.5'	01°43.1	16.7'	58.7'	————————————————— New Moon —————————————————
5	252°01.4	12.5'	01°59.8	16.7'	58.7'	————————————————— New Moon —————————————————
6	266°32.9	12.5'	N02°16.4	16.7'	58.8'	————————————————— New Moon —————————————————
7	281°04.4	12.4'	02°33.1	16.7'	58.8'	————————————————— New Moon —————————————————
8	295°35.8	12.4'	02°49.8	16.7'	58.8'	————————————————— New Moon —————————————————
9	310°07.2	12.4'	03°06.5	16.7'	58.8'	————————————————— New Moon —————————————————
10	324°38.6	12.3'	03°23.1	16.7'	58.9'	————————————————— New Moon —————————————————
11	339°09.9	12.3'	03°39.8	16.7'	58.9'	————————————————— New Moon —————————————————
12	353°41.2	12.2'	N03°56.4	16.7'	58.9'	————————————————— New Moon —————————————————
13	8°12.4	12.2'	04°13.1	16.6'	58.9'	————————————————— New Moon —————————————————
14	22°43.6	12.1'	04°29.7	16.6'	58.9'	————————————————— New Moon —————————————————
15	37°14.7	12.1'	04°46.4	16.6'	59.0'	————————————————— New Moon —————————————————
16	51°45.8	12.0'	05°03.0	16.6'	59.0'	————————————————— New Moon —————————————————
17	66°16.8	12.0'	05°19.6	16.6'	59.0'	————————————————— New Moon —————————————————
18	80°47.8	11.9'	N05°36.2	16.6'	59.1'	————————————————— New Moon —————————————————
19	95°18.7	11.9'	05°52.8	16.6'	59.1'	————————————————— New Moon —————————————————
20	109°49.6	11.8'	06°09.3	16.5'	59.1'	106°51.9	103°47.1	95°49.3	80°54.9	73°11.2	72°37.3	61°15.7	8°04.6
21	124°20.5	11.8'	06°25.9	16.5'	59.1'	106°18.6	103°11.6	95°14.0	80°21.8	72°37.5	72°09.5	60°40.9	7°37.0
22	138°51.2	11.7'	06°42.4	16.5'	59.1'	105°45.3	102°36.1	94°38.6	79°48.7	72°03.8	71°41.7	60°06.2	7°10.1
23	153°22.0	11.7'	06°58.9	16.5'	59.1'	105°11.9	102°00.6	94°03.2	79°15.6	71°30.2	71°13.9	59°31.5	6°44.0

19th SD = 16.0' Mer. pass. 12:26

Moon (20th Mar) — Lunar Distance (objects with largest hourly LD delta)

h Fri	GHA	ν	Dec	d	HP	-Procyon	-Pollux	-Jupiter	-Betelgeuse	-Capella	-Rigel	-Aldebaran	+Venus
0	167°52.6	11.6'	N07°15.3	16.4'	59.1'	104°38.5	101°25.1	93°27.7	78°42.4	70°56.5	70°46.2	58°56.7	
1	182°23.2	11.6'	07°31.8	16.4'	59.2'	104°05.1	100°49.5	92°52.3	78°09.3	70°22.8	70°18.5	58°22.0	
2	196°53.8	11.5'	07°48.2	16.4'	59.2'	103°31.7	100°13.9	92°16.8	77°36.1	69°49.1	69°50.8	57°47.2	
3	211°24.3	11.4'	08°04.5	16.3'	59.2'	102°58.2	99°38.3	91°41.3	77°02.9	69°15.4	69°23.1	57°12.4	
4	225°54.7	11.4'	08°20.9	16.3'	59.2'	102°24.7	99°02.7	91°05.8	76°29.8	68°41.6	68°55.5	56°37.7	
5	240°25.1	11.3'	08°37.2	16.3'	59.2'	101°51.2	98°27.0	90°30.2	75°56.6	68°07.9	68°28.0	56°02.9	
6	254°55.4	11.2'	N08°53.5	16.2'	59.3'	101°17.6	97°51.4	89°54.7	75°23.4	67°34.2	68°00.5	55°28.1	
7	269°25.6	11.2'	09°09.7	16.2'	59.3'	100°44.0	97°15.7	89°19.1	74°50.2	67°00.5	67°33.0	54°53.3	
8	283°55.8	11.1'	09°25.9	16.2'	59.3'	100°10.4	96°40.0	88°43.5	74°17.0	66°26.8	67°05.6	54°18.5	
9	298°25.9	11.0'	09°42.0	16.1'	59.3'	99°36.8	96°04.3	88°07.9	73°43.8	65°53.1	66°38.2	53°43.7	
10	312°56.0	11.0'	09°58.2	16.1'	59.3'	99°03.1	95°28.6	87°32.3	73°10.6	65°19.4	66°10.9	53°08.9	
11	327°25.9	10.9'	10°14.2	16.0'	59.3'	98°29.4	94°52.8	86°56.7	72°37.4	64°45.6	65°43.7	52°34.0	
12	341°55.8	10.8'	N10°30.2	16.0'	59.3'	97°55.7	94°17.1	86°21.0	72°04.2	64°11.9	65°16.5	51°59.2	
13	356°25.7	10.8'	10°46.2	15.9'	59.4'	97°22.0	93°41.3	85°45.3	71°31.0	63°38.2	64°49.3	51°24.4	
14	10°55.4	10.7'	11°02.1	15.9'	59.4'	96°48.2	93°05.5	85°09.6	70°57.8	63°04.5	64°22.2	50°49.6	
15	25°25.1	10.6'	11°18.0	15.8'	59.4'	96°14.5	92°29.7	84°33.9	70°24.6	62°30.9	63°55.2	50°14.8	
16	39°54.7	10.5'	11°33.8	15.8'	59.4'	95°40.7	91°53.8	83°58.2	69°51.4	61°57.2	63°28.3	49°40.0	
17	54°24.2	10.5'	11°49.6	15.7'	59.4'	95°06.9	91°18.0	83°22.5	69°18.2	61°23.5	63°01.4	49°05.2	
18	68°53.7	10.4'	N12°05.3	15.6'	59.4'	94°33.0	90°42.1	82°46.7	68°45.0	60°49.9	62°34.6	48°30.4	
19	83°23.1	10.3'	12°20.9	15.6'	59.4'	93°59.2	90°06.3	82°11.0	68°11.9	60°16.2	62°07.9	47°55.6	
20	97°52.4	10.2'	12°36.5	15.5'	59.5'	93°25.4	89°30.4	81°35.2	67°38.7	59°42.6	61°41.3	47°20.8	7°22.0
21	112°21.6	10.1'	12°52.0	15.5'	59.5'	92°51.5	88°54.5	80°59.4	67°05.6	59°09.0	61°14.7	46°46.1	7°49.5
22	126°50.8	10.1'	13°07.5	15.4'	59.5'	92°17.6	88°18.6	80°23.6	66°32.5	58°35.4	60°48.3	46°11.3	8°17.7
23	141°19.8	10.0'	13°22.9	15.3'	59.5'	91°43.7	87°42.6	79°47.8	65°59.3	58°01.8	60°21.9	45°36.6	8°46.4

20th SD = 16.1' Mer. pass. 13:15

Moon (21st Mar) — Lunar Distance (objects with largest hourly LD delta)

h Sat	GHA	ν	Dec	d	HP	-Regulus	-Procyon	-Pollux	-Jupiter	-Capella	-Aldebaran	+Venus	+Achernar
0	155°48.8	9.9'	N13°38.2	15.2'	59.5'		91°09.8	87°06.7	79°12.0	57°28.3	45°01.8	9°15.6	
1	170°17.7	9.8'	13°53.4	15.2'	59.5'		90°35.9	86°30.8	78°36.2	56°54.7	44°27.1	9°45.3	
2	184°46.5	9.7'	14°08.6	15.1'	59.5'		90°02.0	85°54.8	78°00.3	56°21.2	43°52.4	10°15.2	
3	199°15.2	9.6'	14°23.7	15.0'	59.5'		89°28.0	85°18.8	77°24.5	55°47.7	43°17.7	10°45.4	
4	213°43.9	9.6'	14°38.7	14.9'	59.5'		88°54.1	84°42.9	76°48.6	55°14.3	42°43.1	11°15.9	
5	228°12.4	9.5'	14°53.7	14.9'	59.6'		88°20.1	84°06.9	76°12.8	54°40.8	42°08.4	11°46.6	
6	242°40.9	9.4'	N15°08.6	14.8'	59.6'		87°46.2	83°30.9	75°36.9	54°07.4	41°33.8	12°17.6	
7	257°09.3	9.3'	15°23.4	14.7'	59.6'	119°49.6	87°12.2	82°54.9	75°01.0	53°34.0	40°59.2	12°48.6	
8	271°37.6	9.2'	15°38.0	14.6'	59.6'	119°13.6	86°38.2	82°18.9	74°25.1	53°00.7	40°24.6	13°19.9	
9	286°05.8	9.1'	15°52.7	14.5'	59.6'	118°37.5	86°04.2	81°42.9	73°49.2	52°27.4	39°50.1	13°51.3	
10	300°33.9	9.0'	16°07.2	14.4'	59.6'	118°01.4	85°30.2	81°06.8	73°13.3	51°54.1	39°15.6	14°22.8	
11	315°02.0	8.9'	16°21.6	14.4'	59.6'	117°25.4	84°56.3	80°30.8	72°37.4	51°20.9	38°41.1	14°54.4	
12	329°29.9	8.8'	N16°36.0	14.3'	59.6'	116°49.3	84°22.3	79°54.8	72°01.5	50°47.7	38°06.7	15°26.1	
13	343°57.7	8.8'	16°50.3	14.2'	59.6'	116°13.2	83°48.3	79°18.7	71°25.6	50°14.5	37°32.3	15°57.9	
14	358°25.5	8.7'	17°04.4	14.1'	59.6'	115°37.1	83°14.3	78°42.7	70°49.7	49°41.4	36°57.9	16°29.8	
15	12°53.1	8.6'	17°18.5	14.0'	59.6'	115°01.0	82°40.3	78°06.6	70°13.7	49°08.4	36°23.6	17°01.7	
16	27°20.7	8.5'	17°32.5	13.9'	59.6'	114°24.9	82°06.3	77°30.6	69°37.8	48°35.4	35°49.3	17°33.8	
17	41°48.2	8.4'	17°46.3	13.8'	59.6'	113°48.8	81°32.3	76°54.5	69°01.9	48°02.4	35°15.1	18°05.9	
18	56°15.5	8.3'	N18°00.1	13.7'	59.6'	113°12.6	80°58.3	76°18.4	68°25.9	47°29.5	34°41.0	18°38.0	
19	70°42.8	8.2'	18°13.8	13.6'	59.7'	112°36.5	80°24.3	75°42.4	67°50.0	46°56.6	34°06.8	19°10.2	
20	85°10.0	8.1'	18°27.3	13.4'	59.7'	112°00.4	79°50.3	75°06.3	67°14.0	46°23.8	33°32.8	19°42.4	
21	99°37.1	8.0'	18°40.8	13.3'	59.7'	111°24.3	79°16.4	74°30.2	66°38.1	45°51.1	32°58.8	20°14.7	
22	114°04.1	7.9'	18°54.1	13.2'	59.7'	110°48.1	78°42.4	73°54.1	66°02.1	45°18.4	32°24.9	20°47.0	
23	128°31.0	7.8'	19°07.3	13.1'	59.7'	110°12.0	78°08.4	73°18.1	65°26.2	44°45.8	31°51.0	21°19.4	

21st SD = 16.2' Mer. pass. 14:07

Moon (22nd Mar) — Lunar Distance (objects with largest hourly LD delta)

h Sun	GHA	ν	Dec	d	HP	-Regulus	-Procyon	-Pollux	-Jupiter	-Aldebaran	+Venus	+Sun	+Achernar
0	142°57.8	7.7'	N19°20.4	13.0'	59.7'	109°35.9	77°34.5	72°42.0	64°50.2	31°17.2	21°51.8		77°05.6
1	157°24.5	7.6'	19°33.4	12.9'	59.7'	108°59.7	77°00.5	72°05.9	64°14.3	30°43.5	22°24.2		77°22.4
2	171°51.1	7.5'	19°46.3	12.8'	59.7'	108°23.6	76°26.6	71°29.8	63°38.3	30°09.9	22°56.7		77°39.4
3	186°17.6	7.4'	19°59.1	12.6'	59.7'	107°47.4	75°52.7	70°53.7	63°02.4	29°36.3	23°29.2		77°56.4
4	200°44.0	7.3'	20°11.7	12.5'	59.7'	107°11.3	75°18.7	70°17.6	62°26.4	29°02.9	24°01.7	41°35.3	78°13.4
5	215°10.4	7.2'	20°24.2	12.4'	59.7'	106°35.2	74°44.8	69°41.5	61°50.5	28°29.5	24°34.2	42°09.0	78°30.6
6	229°36.6	7.1'	N20°36.6	12.3'	59.7'	105°59.0	74°10.9	69°05.5	61°14.5	27°56.3	25°06.7	42°42.6	78°47.7
7	244°02.7	7.0'	20°48.9	12.1'	59.7'	105°22.9	73°37.1	68°29.4	60°38.6	27°23.2	25°39.3	43°16.2	79°05.0
8	258°28.7	6.9'	21°01.0	12.0'	59.7'	104°46.8	73°03.2	67°53.3	60°02.7	26°50.2	26°11.9	43°49.8	79°22.3
9	272°54.6	6.8'	21°13.0	11.9'	59.7'	104°10.6	72°29.3	67°17.3	59°26.7	26°17.3	26°44.5	44°23.3	79°39.6
10	287°20.5	6.7'	21°24.9	11.7'	59.7'	103°34.5	71°55.5	66°41.1	58°50.8	25°44.6	27°17.1	44°57.1	79°57.0
11	301°46.2	6.6'	21°36.6	11.6'	59.7'	102°58.4	71°21.7	66°05.1	58°14.9	25°12.0	27°49.7	45°30.7	80°14.5
12	316°11.8	6.5'	N21°48.3	11.5'	59.7'	102°22.2	70°47.9	65°29.0	57°38.9	24°39.5	28°22.4	46°04.3	80°32.0
13	330°37.4	6.4'	21°59.7	11.3'	59.7'	101°46.1	70°14.1	64°52.9	57°03.0	24°07.2	28°55.0	46°37.9	80°49.6
14	345°02.8	6.3'	22°11.0	11.2'	59.7'	101°10.0	69°40.4	64°16.9	56°27.1	23°35.2	29°27.7	47°11.6	81°07.2
15	359°28.2	6.3'	22°22.2	11.0'	59.7'	100°33.9	69°06.6	63°40.8	55°51.2	23°03.3	30°00.3	47°45.2	81°24.8
16	13°53.4	6.2'	22°33.3	10.9'	59.7'	99°57.7	68°32.9	63°04.7	55°15.3	22°31.5	30°33.0	48°18.8	81°42.5
17	28°18.6	6.1'	22°44.2	10.8'	59.7'	99°21.6	67°59.2	62°28.7	54°39.4	22°00.1	31°05.7	48°52.4	82°00.2
18	42°43.7	6.0'	N22°54.9	10.6'	59.7'	98°45.5	67°25.5	61°52.6	54°03.5	21°28.8	31°38.4	49°26.0	82°18.0
19	57°08.6	5.9'	23°05.5	10.5'	59.7'	98°09.4	66°51.9	61°16.6	53°27.6	20°57.8	32°11.1	49°59.6	82°35.8
20	71°33.5	5.8'	23°16.0	10.3'	59.7'	97°33.3	66°18.3	60°40.6	52°51.7	20°27.1	32°43.8	50°33.2	82°53.6
21	85°58.3	5.7'	23°26.3	10.2'	59.7'	96°57.2	65°44.7	60°04.5	52°15.9	19°56.7	33°16.5	51°06.8	83°11.4
22	100°23.0	5.6'	23°36.6	10.1'	59.7'	96°21.1	65°11.1	59°28.5	51°40.0	19°26.5	33°49.2	51°40.3	83°29.3
23	114°47.6	5.5'	23°46.5	9.8'	59.7'	95°45.1	64°37.6	58°52.5	51°04.1	18°56.8	34°21.9	52°13.9	83°47.3

22nd SD = 16.3' Mer. pass. 15:02 Sun SD = 16.0'