

Mon Jul 1, 2019 UTC

UTC	+Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.
0	5°46.3'	99°16.1'
1	6°18.4'	99°49.0'
2	6°51.0'	100°22.1'
3	7°23.9'	100°55.1'
4	7°57.1'	101°28.2'
5	8°30.5'	102°01.3'
6	9°04.1'	102°34.4'
7	9°37.9'	103°07.6'
8	10°11.9'	103°40.8'
9	10°45.9'	104°14.0'
10	11°20.1'	104°47.3'
11	11°54.5'	105°20.5'
12	12°28.9'	105°53.8'
13	13°03.4'	106°27.2'
14	13°38.0'	107°00.5'
15	14°12.6'	107°33.9'
16	14°47.4'	108°07.3'
17	15°22.2'	108°40.8'
18	15°57.0'	109°14.2'
19	16°32.0'	109°47.7'
20	17°07.0'	110°21.2'
21	17°42.0'	110°54.7'
22	18°17.1'	111°28.3'
23	18°52.3'	112°01.8'

Tue Jul 2, 2019 UTC

UTC	+Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.	+Rigel Lunar Dist.
0	19°27.5'	112°35.4'	31°35.1'
1	20°02.7'	113°09.0'	31°50.4'
2	20°38.0'	113°42.6'	32°06.1'
3	21°13.3'	114°16.3'	32°22.3'
4	21°48.7'	114°49.9'	32°39.0'
5	22°24.2'	115°23.6'	32°56.2'
6	22°59.6'	115°57.2'	33°13.8'
7	23°35.2'	116°30.9'	33°31.9'
8	24°10.7'	117°04.6'	33°50.4'
9	24°46.3'	117°38.3'	34°09.3'
10	25°21.9'	118°12.0'	34°28.6'
11	25°57.6'	118°45.7'	34°48.3'
12	26°33.3'	119°19.4'	35°08.4'
13	27°09.0'	119°53.1'	35°28.8'
14	27°44.8'	120°26.9'	35°49.7'
15	28°20.6'	121°00.6'	36°10.9'
16	28°56.5'	121°34.3'	36°32.4'
17	29°32.4'	122°08.0'	36°54.3'
18	30°08.3'	122°41.8'	37°16.6'
19	30°44.2'	123°15.5'	37°39.1'
20	31°20.2'	123°49.2'	38°02.0'
21	31°56.2'	124°22.9'	38°25.1'
22	32°32.2'	124°56.6'	38°48.6'
23	33°08.3'	125°30.3'	39°12.3'

Thu Jul 4, 2019 UTC

UTC	–Mars Lunar Dist.	–Regulus Lunar Dist.	–Spica Lunar Dist.	–Arcturus Lunar Dist.	–Hadar Lunar Dist.	–Rigil Kentaurus Lunar Dist.
0	3°19.1'	32°06.9'	86°10.2'	86°31.6'	109°05.5'	113°29.1'
1	2°44.1'	31°30.5'	85°33.8'	85°58.5'	108°43.0'	113°06.5'
2	2°09.0'	30°54.0'	84°57.4'	85°25.4'	108°20.4'	112°43.9'
3	1°34.0'	30°17.5'	84°21.1'	84°52.3'	107°57.7'	112°21.1'
4	59.0'	29°41.1'	83°44.7'	84°19.2'	107°35.0'	111°58.3'
5	–	29°04.6'	83°08.3'	83°46.2'	107°12.1'	111°35.3'
6	–	28°28.1'	82°31.9'	83°13.1'	106°49.2'	111°12.2'
7	46.9'	27°51.6'	81°55.5'	82°40.0'	106°26.2'	110°49.1'
8	1°22.0'	27°15.2'	81°19.0'	82°06.9'	106°03.1'	110°25.8'
9	1°57.1'	26°38.7'	80°42.6'	81°33.8'	105°39.9'	110°02.5'
10	2°32.2'	26°02.2'	80°06.2'	81°00.7'	105°16.7'	109°39.0'
11	3°07.3'	25°25.8'	79°29.7'	80°27.7'	104°53.4'	109°15.5'
12	3°42.5'	24°49.3'	78°53.3'	79°54.6'	104°30.0'	108°51.9'
13	4°17.7'	24°12.9'	78°16.8'	79°21.5'	104°06.6'	108°28.2'
14	4°52.9'	23°36.4'	77°40.4'	78°48.5'	103°43.1'	108°04.4'
15	5°28.0'	22°60.0'	77°03.9'	78°15.4'	103°19.5'	107°40.6'
16	6°03.2'	22°23.6'	76°27.5'	77°42.4'	102°55.9'	107°16.6'
17	6°38.4'	21°47.2'	75°51.0'	77°09.4'	102°32.3'	106°52.6'
18	7°13.6'	21°10.8'	75°14.5'	76°36.4'	102°08.5'	106°28.6'
19	7°48.8'	20°34.4'	74°38.1'	76°03.4'	101°44.8'	106°04.4'
20	8°24.1'	19°58.1'	74°01.6'	75°30.4'	101°20.9'	105°40.2'
21	8°59.3'	19°21.8'	73°25.1'	74°57.5'	100°57.1'	105°15.9'
22	9°34.5'	18°45.5'	72°48.6'	74°24.5'	100°33.2'	104°51.6'
23	10°09.7'	18°09.2'	72°12.2'	73°51.6'	100°09.2'	104°27.2'

Fri Jul 5, 2019 UTC

UTC	–Regulus Lunar Dist.	+Mars Lunar Dist.	–Spica Lunar Dist.	–Arcturus Lunar Dist.	–Antares Lunar Dist.	–Rigil Kentaurus Lunar Dist.	–Hadar Lunar Dist.
0	17°33.0'	10°44.9'	71°35.7'	73°18.7'	117°29.5'	104°02.8'	99°45.2'
1	16°56.8'	11°20.1'	70°59.2'	72°45.9'	116°53.2'	103°38.3'	99°21.2'
2	16°20.7'	11°55.3'	70°22.8'	72°13.0'	116°16.8'	103°13.7'	98°57.1'
3	15°44.6'	12°30.6'	69°46.3'	71°40.2'	115°40.4'	102°49.1'	98°33.0'
4	15°08.6'	13°05.8'	69°09.8'	71°07.4'	115°04.0'	102°24.4'	98°08.8'
5	14°32.6'	13°41.0'	68°33.4'	70°34.7'	114°27.6'	101°59.7'	97°44.7'
6	13°56.7'	14°16.2'	67°57.0'	70°01.9'	113°51.2'	101°35.0'	97°20.5'
7	13°20.9'	14°51.4'	67°20.5'	69°29.2'	113°14.9'	101°10.2'	96°56.2'
8	12°45.2'	15°26.6'	66°44.1'	68°56.6'	112°38.5'	100°45.4'	96°32.0'
9	12°09.6'	16°01.8'	66°07.6'	68°23.9'	112°02.1'	100°20.5'	96°07.7'
10	11°34.1'	16°37.0'	65°31.2'	67°51.4'	111°25.7'	99°55.6'	95°43.4'
11	10°58.8'	17°12.2'	64°54.8'	67°18.8'	110°49.3'	99°30.7'	95°19.1'
12	10°23.6'	17°47.4'	64°18.4'	66°46.3'	110°12.9'	99°05.7'	94°54.7'
13	9°48.6'	18°22.6'	63°42.0'	66°13.8'	109°36.6'	98°40.7'	94°30.4'
14	9°13.9'	18°57.7'	63°05.6'	65°41.4'	109°00.2'	98°15.7'	94°06.0'
15	8°39.4'	19°32.9'	62°29.3'	65°09.0'	108°23.8'	97°50.6'	93°41.7'
16	8°05.3'	20°08.1'	61°52.9'	64°36.7'	107°47.4'	97°25.5'	93°17.3'
17	7°31.6'	20°43.2'	61°16.6'	64°04.4'	107°11.1'	97°00.4'	92°52.9'
18	6°58.5'	21°18.4'	60°40.2'	63°32.2'	106°34.7'	96°35.3'	92°28.5'
19	–	21°53.5'	60°03.9'	63°00.0'	105°58.4'	96°10.2'	92°04.1'
20	–	22°28.6'	59°27.6'	62°27.9'	105°22.0'	95°45.0'	91°39.7'
21	–	23°03.7'	58°51.3'	61°55.8'	104°45.7'	95°19.8'	91°15.3'
22	–	23°38.8'	58°15.0'	61°23.8'	104°09.3'	94°54.7'	90°50.9'
23	–	24°13.9'	57°38.7'	60°51.9'	103°33.0'	94°29.5'	90°26.5'

Sat Jul 6, 2019 UTC

UTC	+Sun Lunar Dist.	+Mars Lunar Dist.	–Spica Lunar Dist.	–Antares Lunar Dist.	–Jupiter Lunar Dist.	–Arcturus Lunar Dist.	–Rigel Kentaurus Lunar Dist.
0	43°43.9'	24°49.0'	57°02.5'	102°56.7'	109°06.0'	60°20.0'	94°04.3'
1	44°18.2'	25°24.1'	56°26.3'	102°20.4'	108°29.2'	59°48.1'	93°39.0'
2	44°52.5'	25°59.2'	55°50.0'	101°44.1'	107°52.3'	59°16.4'	93°13.8'
3	45°26.7'	26°34.2'	55°13.8'	101°07.8'	107°15.4'	58°44.7'	92°48.6'
4	46°01.0'	27°09.3'	54°37.7'	100°31.5'	106°38.6'	58°13.1'	92°23.4'
5	46°35.2'	27°44.3'	54°01.5'	99°55.3'	106°01.8'	57°41.5'	91°58.2'
6	47°09.5'	28°19.3'	53°25.4'	99°19.0'	105°24.9'	57°10.1'	91°33.0'
7	47°43.7'	28°54.3'	52°49.2'	98°42.8'	104°48.1'	56°38.7'	91°07.7'
8	48°17.9'	29°29.3'	52°13.1'	98°06.6'	104°11.3'	56°07.4'	90°42.5'
9	48°52.0'	30°04.3'	51°37.1'	97°30.3'	103°34.6'	55°36.1'	90°17.3'
10	49°26.2'	30°39.2'	51°01.0'	96°54.1'	102°57.8'	55°05.0'	89°52.1'
11	50°00.4'	31°14.2'	50°25.0'	96°18.0'	102°21.1'	54°33.9'	89°27.0'
12	50°34.5'	31°49.1'	49°49.0'	95°41.8'	101°44.3'	54°02.9'	89°01.8'
13	51°08.6'	32°24.0'	49°13.0'	95°05.6'	101°07.6'	53°32.1'	88°36.6'
14	51°42.7'	32°58.9'	48°37.0'	94°29.5'	100°30.9'	53°01.3'	88°11.5'
15	52°16.8'	33°33.8'	48°01.1'	93°53.4'	99°54.2'	52°30.6'	87°46.4'
16	52°50.9'	34°08.7'	47°25.2'	93°17.2'	99°17.6'	52°00.0'	87°21.3'
17	53°24.9'	34°43.5'	46°49.3'	92°41.2'	98°40.9'	51°29.5'	86°56.2'
18	53°59.0'	35°18.3'	46°13.5'	92°05.1'	98°04.3'	50°59.2'	86°31.1'
19	54°33.0'	35°53.2'	45°37.6'	91°29.0'	97°27.7'	50°28.9'	86°06.1'
20	55°07.0'	36°28.0'	45°01.9'	90°53.0'	96°51.1'	49°58.8'	85°41.1'
21	55°41.0'	37°02.7'	44°26.1'	90°17.0'	96°14.5'	49°28.7'	85°16.1'
22	56°14.9'	37°37.5'	43°50.4'	89°40.9'	95°37.9'	48°58.8'	84°51.2'
23	56°48.9'	38°12.2'	43°14.7'	89°05.0'	95°01.4'	48°29.0'	84°26.2'

Sun Jul 7, 2019 UTC

UTC	+Sun Lunar Dist.	+Regulus Lunar Dist.	–Spica Lunar Dist.	+Mars Lunar Dist.	–Antares Lunar Dist.	–Jupiter Lunar Dist.	–Arcturus Lunar Dist.
0	57°22.8'	12°24.4'	42°39.0'	38°46.9'	88°29.0'	94°24.9'	47°59.4'
1	57°56.7'	12°59.6'	42°03.4'	39°21.6'	87°53.0'	93°48.4'	47°29.9'
2	58°30.6'	13°34.8'	41°27.8'	39°56.3'	87°17.1'	93°11.9'	47°00.5'
3	59°04.5'	14°10.1'	40°52.2'	40°31.0'	86°41.2'	92°35.4'	46°31.2'
4	59°38.3'	14°45.5'	40°16.7'	41°05.6'	86°05.3'	91°59.0'	46°02.1'
5	60°12.2'	15°20.9'	39°41.2'	41°40.2'	85°29.5'	91°22.6'	45°33.2'
6	60°46.0'	15°56.3'	39°05.8'	42°14.8'	84°53.6'	90°46.2'	45°04.4'
7	61°19.7'	16°31.8'	38°30.4'	42°49.4'	84°17.8'	90°09.8'	44°35.7'
8	61°53.5'	17°07.3'	37°55.0'	43°24.0'	83°42.0'	89°33.4'	44°07.2'
9	62°27.3'	17°42.8'	37°19.7'	43°58.5'	83°06.2'	88°57.1'	43°38.9'
10	63°01.0'	18°18.4'	36°44.4'	44°33.0'	82°30.4'	88°20.8'	43°10.8'
11	63°34.7'	18°53.9'	36°09.2'	45°07.5'	81°54.7'	87°44.5'	42°42.8'
12	64°08.3'	19°29.5'	35°34.0'	45°42.0'	81°19.0'	87°08.2'	42°15.0'
13	64°42.0'	20°05.0'	34°58.8'	46°16.4'	80°43.3'	86°32.0'	41°47.4'
14	65°15.6'	20°40.6'	34°23.7'	46°50.8'	80°07.7'	85°55.8'	41°20.0'
15	65°49.2'	21°16.2'	33°48.7'	47°25.2'	79°32.0'	85°19.6'	40°52.8'
16	66°22.8'	21°51.7'	33°13.7'	47°59.6'	78°56.4'	84°43.4'	40°25.8'
17	66°56.4'	22°27.3'	32°38.8'	48°34.0'	78°20.8'	84°07.3'	39°59.0'
18	67°29.9'	23°02.9'	32°03.9'	49°08.3'	77°45.2'	83°31.1'	39°32.4'
19	68°03.4'	23°38.4'	31°29.1'	49°42.6'	77°09.7'	82°55.0'	39°06.1'
20	68°36.9'	24°13.9'	30°54.3'	50°16.9'	76°34.2'	82°19.0'	38°39.9'
21	69°10.4'	24°49.5'	30°19.6'	50°51.1'	75°58.7'	81°42.9'	38°14.1'
22	69°43.8'	25°25.0'	29°45.0'	51°25.4'	75°23.2'	81°06.9'	37°48.4'
23	70°17.2'	26°00.5'	29°10.4'	51°59.6'	74°47.8'	80°30.9'	37°23.1'

Mon Jul 8, 2019 UTC

UTC	+Sun Lunar Dist.	+Regulus Lunar Dist.	-Spica Lunar Dist.	+Mars Lunar Dist.	-Antares Lunar Dist.	-Jupiter Lunar Dist.	-Saturn Lunar Dist.
0	70°50.6'	26°36.0'	28°35.9'	52°33.8'	74°12.4'	79°54.9'	110°52.8'
1	71°24.0'	27°11.5'	28°01.5'	53°07.9'	73°37.0'	79°18.9'	110°16.8'
2	71°57.3'	27°47.0'	27°27.1'	53°42.1'	73°01.7'	78°43.0'	109°40.9'
3	72°30.6'	28°22.4'	26°52.8'	54°16.2'	72°26.3'	78°07.1'	109°05.1'
4	73°03.9'	28°57.8'	26°18.6'	54°50.2'	71°51.0'	77°31.2'	108°29.2'
5	73°37.2'	29°33.3'	25°44.5'	55°24.3'	71°15.8'	76°55.4'	107°53.4'
6	74°10.4'	30°08.7'	25°10.5'	55°58.3'	70°40.5'	76°19.6'	107°17.6'
7	74°43.7'	30°44.1'	24°36.6'	56°32.3'	70°05.3'	75°43.8'	106°41.8'
8	75°16.8'	31°19.4'	24°02.8'	57°06.3'	69°30.1'	75°08.0'	106°06.1'
9	75°50.0'	31°54.8'	23°29.0'	57°40.3'	68°54.9'	74°32.2'	105°30.4'
10	76°23.1'	32°30.1'	22°55.4'	58°14.2'	68°19.8'	73°56.5'	104°54.7'
11	76°56.2'	33°05.4'	22°21.9'	58°48.1'	67°44.7'	73°20.8'	104°19.0'
12	77°29.3'	33°40.7'	21°48.6'	59°22.0'	67°09.6'	72°45.2'	103°43.4'
13	78°02.4'	34°15.9'	21°15.3'	59°55.8'	66°34.6'	72°09.5'	103°07.8'
14	78°35.4'	34°51.2'	20°42.2'	60°29.6'	65°59.6'	71°33.9'	102°32.2'
15	79°08.4'	35°26.4'	20°09.3'	61°03.4'	65°24.6'	70°58.3'	101°56.6'
16	79°41.4'	36°01.6'	19°36.5'	61°37.2'	64°49.6'	70°22.8'	101°21.1'
17	80°14.3'	36°36.8'	19°03.9'	62°10.9'	64°14.7'	69°47.3'	100°45.6'
18	80°47.3'	37°11.9'	18°31.5'	62°44.7'	63°39.8'	69°11.8'	100°10.1'
19	81°20.2'	37°47.1'	17°59.3'	63°18.3'	63°04.9'	68°36.3'	99°34.6'
20	81°53.0'	38°22.2'	17°27.2'	63°52.0'	62°30.1'	68°00.8'	98°59.2'
21	82°25.9'	38°57.3'	16°55.5'	64°25.6'	61°55.3'	67°25.4'	98°23.8'
22	82°58.7'	39°32.3'	16°23.9'	64°59.2'	61°20.5'	66°50.0'	97°48.4'
23	83°31.5'	40°07.4'	15°52.7'	65°32.8'	60°45.8'	66°14.7'	97°13.1'

Tue Jul 9, 2019 UTC

UTC	+Sun Lunar Dist.	+Regulus Lunar Dist.	-Spica Lunar Dist.	-Jupiter Lunar Dist.	-Antares Lunar Dist.	+Mars Lunar Dist.	-Saturn Lunar Dist.
0	84°04.2'	40°42.4'	15°21.7'	65°39.3'	60°11.1'	66°06.4'	96°37.8'
1	84°37.0'	41°17.4'	14°51.1'	65°04.0'	59°36.4'	66°39.9'	96°02.5'
2	85°09.7'	41°52.3'	14°20.8'	64°28.7'	59°01.8'	67°13.4'	95°27.2'
3	85°42.4'	42°27.3'	13°50.9'	63°53.5'	58°27.2'	67°46.9'	94°52.0'
4	86°15.0'	43°02.2'	13°21.4'	63°18.3'	57°52.6'	68°20.3'	94°16.8'
5	86°47.6'	43°37.1'	12°52.5'	62°43.1'	57°18.1'	68°53.7'	93°41.6'
6	87°20.2'	44°11.9'	12°24.0'	62°07.9'	56°43.5'	69°27.1'	93°06.5'
7	87°52.8'	44°46.8'	11°56.2'	61°32.7'	56°09.1'	70°00.5'	92°31.3'
8	88°25.3'	45°21.6'	11°29.0'	60°57.6'	55°34.6'	70°33.8'	91°56.2'
9	88°57.9'	45°56.4'	–	60°22.5'	55°00.2'	71°07.1'	91°21.2'
10	89°30.3'	46°31.1'	–	59°47.5'	54°25.8'	71°40.4'	90°46.1'
11	90°02.8'	47°05.9'	–	59°12.5'	53°51.5'	72°13.6'	90°11.1'
12	90°35.2'	47°40.6'	–	58°37.5'	53°17.2'	72°46.9'	89°36.1'
13	91°07.6'	48°15.2'	–	58°02.5'	52°42.9'	73°20.0'	89°01.2'
14	91°40.0'	48°49.9'	–	57°27.6'	52°08.7'	73°53.2'	88°26.2'
15	92°12.4'	49°24.5'	–	56°52.6'	51°34.5'	74°26.4'	87°51.3'
16	92°44.7'	49°59.1'	–	56°17.8'	51°00.3'	74°59.5'	87°16.4'
17	93°17.0'	50°33.7'	–	55°42.9'	50°26.2'	75°32.5'	86°41.6'
18	93°49.2'	51°08.3'	–	55°08.1'	49°52.1'	76°05.6'	86°06.8'
19	94°21.5'	51°42.8'	–	54°33.3'	49°18.0'	76°38.6'	85°32.0'
20	94°53.7'	52°17.3'	–	53°58.5'	48°44.0'	77°11.6'	84°57.2'
21	95°25.9'	52°51.8'	–	53°23.7'	48°10.0'	77°44.6'	84°22.5'
22	95°58.0'	53°26.2'	–	52°49.0'	47°36.1'	78°17.6'	83°47.8'
23	96°30.1'	54°00.7'	–	52°14.3'	47°02.2'	78°50.5'	83°13.1'

Wed Jul 10, 2019 UTC

UTC	+Sun Lunar Dist.	-Jupiter Lunar Dist.	-Antares Lunar Dist.	+Regulus Lunar Dist.	-Saturn Lunar Dist.	+Mars Lunar Dist.	-Altair Lunar Dist.
0	97°02.2'	51°39.7'	46°28.3'	54°35.1'	82°38.4'	79°23.4'	93°55.7'
1	97°34.3'	51°05.1'	45°54.5'	55°09.4'	82°03.8'	79°56.2'	93°26.1'
2	98°06.4'	50°30.5'	45°20.7'	55°43.8'	81°29.2'	80°29.1'	92°56.4'
3	98°38.4'	49°55.9'	44°46.9'	56°18.1'	80°54.6'	81°01.9'	92°26.8'
4	99°10.4'	49°21.3'	44°13.2'	56°52.4'	80°20.1'	81°34.6'	91°57.2'
5	99°42.3'	48°46.8'	43°39.5'	57°26.6'	79°45.6'	82°07.4'	91°27.6'
6	100°14.3'	48°12.3'	43°05.9'	58°00.9'	79°11.1'	82°40.1'	90°58.0'
7	100°46.2'	47°37.9'	42°32.3'	58°35.1'	78°36.6'	83°12.8'	90°28.5'
8	101°18.1'	47°03.4'	41°58.7'	59°09.3'	78°02.2'	83°45.5'	89°59.0'
9	101°49.9'	46°29.0'	41°25.2'	59°43.4'	77°27.8'	84°18.1'	89°29.5'
10	102°21.7'	45°54.7'	40°51.8'	60°17.6'	76°53.4'	84°50.8'	89°00.0'
11	102°53.5'	45°20.3'	40°18.3'	60°51.7'	76°19.0'	85°23.3'	88°30.6'
12	103°25.3'	44°46.0'	39°45.0'	61°25.7'	75°44.7'	85°55.9'	88°01.2'
13	103°57.0'	44°11.7'	39°11.6'	61°59.8'	75°10.4'	86°28.4'	87°31.8'
14	104°28.8'	43°37.5'	38°38.3'	62°33.8'	74°36.1'	87°00.9'	87°02.4'
15	105°00.4'	43°03.2'	38°05.1'	63°07.8'	74°01.9'	87°33.4'	86°33.1'
16	105°32.1'	42°29.0'	37°31.9'	63°41.8'	73°27.7'	88°05.9'	86°03.7'
17	106°03.7'	41°54.8'	36°58.7'	64°15.7'	72°53.5'	88°38.3'	85°34.5'
18	106°35.4'	41°20.7'	36°25.6'	64°49.7'	72°19.3'	89°10.7'	85°05.2'
19	107°06.9'	40°46.6'	35°52.6'	65°23.6'	71°45.2'	89°43.1'	84°36.0'
20	107°38.5'	40°12.5'	35°19.6'	65°57.4'	71°11.1'	90°15.4'	84°06.8'
21	108°10.0'	39°38.4'	34°46.7'	66°31.3'	70°37.0'	90°47.7'	83°37.7'
22	108°41.5'	39°04.4'	34°13.8'	67°05.1'	70°02.9'	91°20.0'	83°08.5'
23	109°13.0'	38°30.4'	33°40.9'	67°38.9'	69°28.9'	91°52.3'	82°39.4'

Thu Jul 11, 2019 UTC

UTC	+Sun Lunar Dist.	-Jupiter Lunar Dist.	-Antares Lunar Dist.	+Spica Lunar Dist.	-Saturn Lunar Dist.	+Regulus Lunar Dist.	+Mars Lunar Dist.
0	109°44.5'	37°56.4'	33°08.1'	15°46.7'	68°54.9'	68°12.7'	92°24.5'
1	110°15.9'	37°22.5'	32°35.4'	16°16.7'	68°20.9'	68°46.4'	92°56.8'
2	110°47.3'	36°48.6'	32°02.7'	16°46.9'	67°46.9'	69°20.1'	93°28.9'
3	111°18.6'	36°14.7'	31°30.1'	17°17.3'	67°13.0'	69°53.8'	94°01.1'
4	111°50.0'	35°40.8'	30°57.6'	17°47.8'	66°39.1'	70°27.5'	94°33.2'
5	112°21.3'	35°07.0'	30°25.1'	18°18.6'	66°05.2'	71°01.1'	95°05.4'
6	112°52.6'	34°33.2'	29°52.7'	18°49.4'	65°31.4'	71°34.7'	95°37.4'
7	113°23.9'	33°59.4'	29°20.3'	19°20.4'	64°57.6'	72°08.3'	96°09.5'
8	113°55.1'	33°25.6'	28°48.1'	19°51.5'	64°23.8'	72°41.8'	96°41.5'
9	114°26.3'	32°51.9'	28°15.8'	20°22.7'	63°50.0'	73°15.4'	97°13.5'
10	114°57.5'	32°18.2'	27°43.7'	20°54.0'	63°16.3'	73°48.9'	97°45.5'
11	115°28.7'	31°44.6'	27°11.7'	21°25.4'	62°42.5'	74°22.4'	98°17.5'
12	115°59.8'	31°10.9'	26°39.7'	21°56.9'	62°08.8'	74°55.8'	98°49.4'
13	116°30.9'	30°37.3'	26°07.8'	22°28.4'	61°35.2'	75°29.3'	99°21.3'
14	117°02.0'	30°03.8'	25°36.0'	22°60.0'	61°01.5'	76°02.7'	99°53.2'
15	117°33.1'	29°30.2'	25°04.3'	23°31.6'	60°27.9'	76°36.0'	100°25.0'
16	118°04.1'	28°56.7'	24°32.6'	24°03.3'	59°54.3'	77°09.4'	100°56.8'
17	118°35.1'	28°23.2'	24°01.1'	24°35.1'	59°20.8'	77°42.7'	101°28.6'
18	119°06.1'	27°49.8'	23°29.7'	25°06.9'	58°47.2'	78°16.0'	102°00.4'
19	119°37.1'	27°16.3'	22°58.4'	25°38.7'	58°13.7'	78°49.3'	102°32.2'
20	120°08.0'	26°42.9'	22°27.2'	26°10.6'	57°40.2'	79°22.6'	103°03.9'
21	120°38.9'	26°09.6'	21°56.1'	26°42.5'	57°06.8'	79°55.8'	103°35.6'
22	121°09.8'	25°36.2'	21°25.2'	27°14.4'	56°33.3'	80°29.0'	104°07.3'
23	121°40.6'	25°02.9'	20°54.4'	27°46.3'	55°59.9'	81°02.2'	104°38.9'

Fri Jul 12, 2019 UTC

UTC	−Jupiter Lunar Dist.	+Spica Lunar Dist.	−Antares Lunar Dist.	−Saturn Lunar Dist.	+Regulus Lunar Dist.	−Formalhaut Lunar Dist.	+Mars Lunar Dist.
0	24°29.7'	28°18.3'	20°23.7'	55°26.5'	81°35.4'	103°10.5'	105°10.5'
1	23°56.4'	28°50.3'	19°53.2'	54°53.1'	82°08.5'	102°38.9'	105°42.1'
2	23°23.2'	29°22.3'	19°22.9'	54°19.8'	82°41.6'	102°07.3'	106°13.7'
3	22°50.0'	29°54.3'	18°52.7'	53°46.5'	83°14.7'	101°35.7'	106°45.3'
4	22°16.9'	30°26.3'	18°22.7'	53°13.2'	83°47.7'	101°04.2'	107°16.8'
5	21°43.8'	30°58.4'	17°52.9'	52°39.9'	84°20.8'	100°32.6'	107°48.3'
6	21°10.7'	31°30.4'	17°23.4'	52°06.7'	84°53.8'	100°01.1'	108°19.8'
7	20°37.7'	32°02.5'	16°54.0'	51°33.5'	85°26.8'	99°29.6'	108°51.2'
8	20°04.6'	32°34.6'	16°24.9'	51°00.3'	85°59.7'	98°58.1'	109°22.7'
9	19°31.7'	33°06.6'	15°56.1'	50°27.1'	86°32.7'	98°26.7'	109°54.1'
10	18°58.7'	33°38.7'	15°27.6'	49°54.0'	87°05.6'	97°55.2'	110°25.4'
11	18°25.8'	34°10.8'	14°59.3'	49°20.8'	87°38.5'	97°23.8'	110°56.8'
12	17°53.0'	34°42.8'	14°31.5'	48°47.7'	88°11.4'	96°52.4'	111°28.1'
13	17°20.2'	35°14.9'	14°04.0'	48°14.7'	88°44.2'	96°21.0'	111°59.4'
14	16°47.4'	35°47.0'	13°36.9'	47°41.6'	89°17.0'	95°49.6'	112°30.7'
15	16°14.7'	36°19.0'	13°10.2'	47°08.6'	89°49.8'	95°18.3'	113°02.0'
16	15°42.0'	36°51.1'	12°44.1'	46°35.6'	90°22.6'	94°46.9'	113°33.2'
17	15°09.4'	37°23.2'	12°18.5'	46°02.6'	90°55.3'	94°15.6'	114°04.4'
18	14°36.8'	37°55.2'	11°53.5'	45°29.6'	91°28.1'	93°44.3'	114°35.6'
19	14°04.2'	38°27.3'	11°29.1'	44°56.7'	92°00.8'	93°13.1'	115°06.8'
20	13°31.8'	38°59.3'	−	44°23.8'	92°33.4'	92°41.8'	115°37.9'
21	12°59.4'	39°31.3'	−	43°50.9'	93°06.1'	92°10.6'	116°09.0'
22	12°27.0'	40°03.4'	−	43°18.1'	93°38.7'	91°39.4'	116°40.1'
23	11°54.8'	40°35.4'	−	42°45.2'	94°11.3'	91°08.2'	117°11.2'

Sat Jul 13, 2019 UTC

UTC	−Jupiter Lunar Dist.	−Saturn Lunar Dist.	+Spica Lunar Dist.	+Regulus Lunar Dist.	−Formalhaut Lunar Dist.	+Arcturus Lunar Dist.	−Altair Lunar Dist.
0	11°22.6'	42°12.4'	41°07.4'	94°43.9'	90°37.0'	46°42.4'	59°50.8'
1	10°50.5'	41°39.6'	41°39.4'	95°16.5'	90°05.9'	47°08.7'	59°24.5'
2	10°18.5'	41°06.8'	42°11.4'	95°49.0'	89°34.8'	47°35.1'	58°58.2'
3	9°46.6'	40°34.1'	42°43.4'	96°21.5'	89°03.7'	48°01.7'	58°32.0'
4	9°14.8'	40°01.4'	43°15.3'	96°54.0'	88°32.6'	48°28.2'	58°05.8'
5	8°43.1'	39°28.7'	43°47.3'	97°26.5'	88°01.6'	48°54.9'	57°39.8'
6	8°11.7'	38°56.0'	44°19.3'	97°59.0'	87°30.5'	49°21.6'	57°13.8'
7	7°40.4'	38°23.3'	44°51.2'	98°31.4'	86°59.5'	49°48.4'	56°48.0'
8	7°09.4'	37°50.7'	45°23.1'	99°03.8'	86°28.5'	50°15.3'	56°22.2'
9	6°38.6'	37°18.1'	45°55.0'	99°36.2'	85°57.6'	50°42.2'	55°56.5'
10	6°08.2'	36°45.5'	46°26.9'	100°08.5'	85°26.6'	51°09.2'	55°31.0'
11	5°38.2'	36°13.0'	46°58.8'	100°40.8'	84°55.7'	51°36.2'	55°05.5'
12	5°08.7'	35°40.4'	47°30.7'	101°13.2'	84°24.8'	52°03.3'	54°40.1'
13	−	35°07.9'	48°02.5'	101°45.4'	83°54.0'	52°30.4'	54°14.8'
14	−	34°35.4'	48°34.4'	102°17.7'	83°23.1'	52°57.6'	53°49.6'
15	−	34°02.9'	49°06.2'	102°50.0'	82°52.3'	53°24.8'	53°24.6'
16	−	33°30.5'	49°38.0'	103°22.2'	82°21.5'	53°52.1'	52°59.6'
17	−	32°58.0'	50°09.8'	103°54.4'	81°50.7'	54°19.5'	52°34.7'
18	−	32°25.6'	50°41.6'	104°26.6'	81°20.0'	54°46.8'	52°10.0'
19	−	31°53.2'	51°13.4'	104°58.7'	80°49.3'	55°14.2'	51°45.3'
20	−	31°20.9'	51°45.1'	105°30.8'	80°18.6'	55°41.7'	51°20.8'
21	−	30°48.5'	52°16.9'	106°03.0'	79°47.9'	56°09.2'	50°56.4'
22	−	30°16.2'	52°48.6'	106°35.0'	79°17.3'	56°36.7'	50°32.2'
23	−	29°43.9'	53°20.3'	107°07.1'	78°46.7'	57°04.2'	50°08.0'

Sun Jul 14, 2019 UTC

UTC	−Saturn Lunar Dist.	+Spica Lunar Dist.	−Formalhaut Lunar Dist.	+Arcturus Lunar Dist.	+Regulus Lunar Dist.	−Altair Lunar Dist.	−Achernar Lunar Dist.
0	29°11.6′	53°52.0′	78°16.1′	57°31.8′	107°39.2′	49°44.0′	91°09.1′
1	28°39.4′	54°23.7′	77°45.5′	57°59.4′	108°11.2′	49°20.1′	90°50.6′
2	28°07.1′	54°55.3′	77°15.0′	58°27.1′	108°43.2′	48°56.3′	90°32.1′
3	27°34.9′	55°27.0′	76°44.5′	58°54.8′	109°15.2′	48°32.7′	90°13.6′
4	27°02.7′	55°58.6′	76°14.0′	59°22.5′	109°47.1′	48°09.2′	89°55.2′
5	26°30.6′	56°30.2′	75°43.5′	59°50.2′	110°19.1′	47°45.8′	89°36.7′
6	25°58.4′	57°01.8′	75°13.1′	60°17.9′	110°51.0′	47°22.6′	89°18.3′
7	25°26.3′	57°33.4′	74°42.7′	60°45.7′	111°22.9′	46°59.5′	88°59.9′
8	24°54.2′	58°05.0′	74°12.3′	61°13.5′	111°54.7′	46°36.6′	88°41.5′
9	24°22.1′	58°36.5′	73°42.0′	61°41.3′	112°26.6′	46°13.8′	88°23.1′
10	23°50.0′	59°08.0′	73°11.7′	62°09.2′	112°58.4′	45°51.2′	88°04.8′
11	23°18.0′	59°39.6′	72°41.4′	62°37.0′	113°30.2′	45°28.7′	87°46.4′
12	22°46.0′	60°11.1′	72°11.1′	63°04.9′	114°02.0′	45°06.4′	87°28.1′
13	22°14.0′	60°42.5′	71°40.9′	63°32.8′	114°33.8′	44°44.3′	87°09.8′
14	21°42.0′	61°14.0′	71°10.7′	64°00.7′	115°05.5′	44°22.3′	86°51.5′
15	21°10.0′	61°45.4′	70°40.5′	64°28.6′	115°37.2′	44°00.5′	86°33.2′
16	20°38.1′	62°16.9′	70°10.4′	64°56.5′	116°08.9′	43°38.9′	86°15.0′
17	20°06.2′	62°48.3′	69°40.3′	65°24.5′	116°40.6′	43°17.5′	85°56.8′
18	19°34.3′	63°19.7′	69°10.2′	65°52.4′	117°12.3′	42°56.2′	85°38.6′
19	19°02.4′	63°51.0′	68°40.1′	66°20.4′	117°43.9′	42°35.2′	85°20.5′
20	18°30.6′	64°22.4′	68°10.1′	66°48.4′	118°15.5′	42°14.3′	85°02.3′
21	17°58.7′	64°53.7′	67°40.1′	67°16.4′	118°47.1′	41°53.6′	84°44.2′
22	17°26.9′	65°25.0′	67°10.2′	67°44.3′	119°18.7′	41°33.1′	84°26.2′
23	16°55.1′	65°56.4′	66°40.3′	68°12.3′	119°50.2′	41°12.9′	84°08.1′

Mon Jul 15, 2019 UTC

UTC	−Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	+Spica Lunar Dist.	−Formalhaut Lunar Dist.	+Arcturus Lunar Dist.	−Altair Lunar Dist.
0	16°23.3′	14°52.1′	21°20.0′	66°27.6′	66°10.4′	68°40.4′	40°52.8′
1	15°51.6′	15°23.5′	21°49.4′	66°58.9′	65°40.5′	69°08.4′	40°33.0′
2	15°19.9′	15°54.9′	22°18.8′	67°30.2′	65°10.7′	69°36.4′	40°13.3′
3	14°48.2′	16°26.3′	22°48.3′	68°01.4′	64°40.9′	70°04.4′	39°53.9′
4	14°16.5′	16°57.7′	23°17.9′	68°32.6′	64°11.1′	70°32.4′	39°34.8′
5	13°44.8′	17°29.1′	23°47.5′	69°03.8′	63°41.4′	71°00.5′	39°15.8′
6	13°13.2′	18°00.4′	24°17.2′	69°35.0′	63°11.7′	71°28.5′	38°57.1′
7	12°41.5′	18°31.8′	24°46.9′	70°06.1′	62°42.1′	71°56.5′	38°38.7′
8	12°09.9′	19°03.2′	25°16.7′	70°37.3′	62°12.5′	72°24.6′	38°20.5′
9	11°38.3′	19°34.6′	25°46.5′	71°08.4′	61°42.9′	72°52.6′	38°02.5′
10	11°06.8′	20°06.0′	26°16.3′	71°39.5′	61°13.3′	73°20.7′	37°44.8′
11	10°35.2′	20°37.3′	26°46.2′	72°10.6′	60°43.8′	73°48.7′	37°27.4′
12	10°03.7′	21°08.7′	27°16.2′	72°41.7′	60°14.3′	74°16.7′	37°10.2′
13	9°32.2′	21°40.0′	27°46.1′	73°12.7′	59°44.9′	74°44.8′	36°53.3′
14	9°00.7′	22°11.3′	28°16.1′	73°43.8′	59°15.5′	75°12.8′	36°36.7′
15	8°29.2′	22°42.6′	28°46.1′	74°14.8′	58°46.2′	75°40.8′	36°20.4′
16	7°57.8′	23°13.9′	29°16.1′	74°45.8′	58°16.8′	76°08.9′	36°04.4′
17	7°26.4′	23°45.2′	29°46.2′	75°16.8′	57°47.6′	76°36.9′	35°48.7′
18	6°55.0′	24°16.5′	30°16.3′	75°47.7′	57°18.3′	77°04.9′	35°33.3′
19	6°23.6′	24°47.8′	30°46.3′	76°18.7′	56°49.1′	77°32.9′	35°18.2′
20	5°52.2′	25°19.0′	31°16.4′	76°49.6′	56°20.0′	78°00.9′	35°03.4′
21	5°20.9′	25°50.2′	31°46.5′	77°20.5′	55°50.9′	78°28.9′	34°48.9′
22	4°49.6′	26°21.5′	32°16.7′	77°51.4′	55°21.8′	78°56.9′	34°34.8′
23	4°18.3′	26°52.7′	32°46.8′	78°22.3′	54°52.8′	79°24.9′	34°21.0′

Tue Jul 16, 2019 UTC

UTC	−Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	−Formalhaut Lunar Dist.	+Spica Lunar Dist.	+Arcturus Lunar Dist.	+Hadar Lunar Dist.
0	3°47.1'	27°23.9'	33°16.9'	54°23.8'	78°53.1'	79°52.9'	62°12.0'
1	3°15.9'	27°55.0'	33°47.1'	53°54.8'	79°23.9'	80°20.9'	62°28.7'
2	2°44.7'	28°26.2'	34°17.2'	53°26.0'	79°54.8'	80°48.8'	62°45.6'
3	2°13.6'	28°57.3'	34°47.4'	52°57.1'	80°25.6'	81°16.8'	63°02.5'
4	1°42.6'	29°28.5'	35°17.6'	52°28.3'	80°56.3'	81°44.8'	63°19.5'
5	1°11.7'	29°59.6'	35°47.7'	51°59.6'	81°27.1'	82°12.7'	63°36.6'
6	–	30°30.7'	36°17.9'	51°30.9'	81°57.9'	82°40.6'	63°53.7'
7	–	31°01.7'	36°48.1'	51°02.2'	82°28.6'	83°08.5'	64°11.0'
8	–	31°32.8'	37°18.3'	50°33.6'	82°59.3'	83°36.5'	64°28.3'
9	–	32°03.9'	37°48.4'	50°05.0'	83°30.0'	84°04.4'	64°45.8'
10	1°26.3'	32°34.9'	38°18.6'	49°36.5'	84°00.7'	84°32.2'	65°03.3'
11	1°57.1'	33°05.9'	38°48.8'	49°08.1'	84°31.3'	85°00.1'	65°20.8'
12	2°28.0'	33°36.9'	39°18.9'	48°39.7'	85°02.0'	85°28.0'	65°38.5'
13	2°59.0'	34°07.9'	39°49.1'	48°11.4'	85°32.6'	85°55.8'	65°56.2'
14	3°29.9'	34°38.9'	40°19.3'	47°43.1'	86°03.2'	86°23.7'	66°14.0'
15	4°00.9'	35°09.8'	40°49.4'	47°14.9'	86°33.8'	86°51.5'	66°31.9'
16	4°31.8'	35°40.7'	41°19.6'	46°46.7'	87°04.3'	87°19.3'	66°49.8'
17	5°02.8'	36°11.7'	41°49.7'	46°18.6'	87°34.9'	87°47.1'	67°07.8'
18	5°33.7'	36°42.6'	42°19.9'	45°50.5'	88°05.4'	88°14.9'	67°25.9'
19	6°04.6'	37°13.4'	42°50.0'	45°22.5'	88°35.9'	88°42.7'	67°44.1'
20	6°35.5'	37°44.3'	43°20.2'	44°54.6'	89°06.4'	89°10.4'	68°02.3'
21	7°06.4'	38°15.1'	43°50.3'	44°26.8'	89°36.9'	89°38.1'	68°20.5'
22	7°37.3'	38°46.0'	44°20.4'	43°59.0'	90°07.4'	90°05.9'	68°38.8'
23	8°08.2'	39°16.8'	44°50.5'	43°31.3'	90°37.8'	90°33.6'	68°57.2'

Wed Jul 17, 2019 UTC

UTC	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	−Formalhaut Lunar Dist.	+Spica Lunar Dist.	+Arcturus Lunar Dist.	+Rigel Kentaurus Lunar Dist.
0	8°39.0'	39°47.6'	45°20.6'	43°03.6'	91°08.2'	91°01.3'	64°52.3'
1	9°09.8'	40°18.4'	45°50.7'	42°36.0'	91°38.6'	91°28.9'	65°10.7'
2	9°40.7'	40°49.1'	46°20.8'	42°08.5'	92°09.0'	91°56.6'	65°29.2'
3	10°11.5'	41°19.9'	46°50.9'	41°41.1'	92°39.4'	92°24.2'	65°47.8'
4	10°42.2'	41°50.6'	47°21.0'	41°13.7'	93°09.8'	92°51.8'	66°06.4'
5	11°13.0'	42°21.4'	47°51.1'	40°46.5'	93°40.1'	93°19.4'	66°25.1'
6	11°43.7'	42°52.1'	48°21.1'	40°19.3'	94°10.4'	93°47.0'	66°43.9'
7	12°14.5'	43°22.7'	48°51.2'	39°52.1'	94°40.7'	94°14.6'	67°02.7'
8	12°45.2'	43°53.4'	49°21.2'	39°25.1'	95°11.0'	94°42.1'	67°21.6'
9	13°15.9'	44°24.1'	49°51.3'	38°58.2'	95°41.3'	95°09.7'	67°40.5'
10	13°46.6'	44°54.7'	50°21.3'	38°31.3'	96°11.5'	95°37.2'	67°59.5'
11	14°17.2'	45°25.3'	50°51.3'	38°04.6'	96°41.8'	96°04.7'	68°18.6'
12	14°47.9'	45°55.9'	51°21.3'	37°37.9'	97°12.0'	96°32.1'	68°37.7'
13	15°18.5'	46°26.5'	51°51.3'	37°11.3'	97°42.2'	96°59.6'	68°56.9'
14	15°49.1'	46°57.1'	52°21.3'	36°44.8'	98°12.4'	97°27.0'	69°16.1'
15	16°19.7'	47°27.6'	52°51.2'	36°18.5'	98°42.5'	97°54.4'	69°35.4'
16	16°50.3'	47°58.2'	53°21.2'	35°52.2'	99°12.7'	98°21.8'	69°54.7'
17	17°20.8'	48°28.7'	53°51.2'	35°26.1'	99°42.8'	98°49.1'	70°14.1'
18	17°51.4'	48°59.2'	54°21.1'	35°00.0'	100°12.9'	99°16.5'	70°33.5'
19	18°21.9'	49°29.7'	54°51.0'	34°34.1'	100°43.0'	99°43.8'	70°53.0'
20	18°52.4'	50°00.2'	55°21.0'	34°08.3'	101°13.1'	100°11.1'	71°12.5'
21	19°22.9'	50°30.6'	55°50.9'	33°42.6'	101°43.2'	100°38.3'	71°32.0'
22	19°53.4'	51°01.1'	56°20.8'	33°17.1'	102°13.2'	101°05.6'	71°51.6'
23	20°23.9'	51°31.5'	56°50.7'	32°51.7'	102°43.3'	101°32.8'	72°11.2'

Thu Jul 18, 2019 UTC

UTC	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.	+Spica Lunar Dist.	+Arcturus Lunar Dist.	+Rigel Kentaurus Lunar Dist.
0	20°54.3'	52°01.9'	57°20.5'	32°26.4'	103°13.3'	101°60.0'	72°30.9'
1	21°24.8'	52°32.3'	57°50.4'	32°01.2'	103°43.3'	102°27.2'	72°50.6'
2	21°55.2'	53°02.7'	58°20.3'	31°36.2'	104°13.3'	102°54.3'	73°10.4'
3	22°25.6'	53°33.1'	58°50.1'	31°11.4'	104°43.2'	103°21.4'	73°30.2'
4	22°56.0'	54°03.5'	59°20.0'	30°46.7'	105°13.2'	103°48.5'	73°50.0'
5	23°26.4'	54°33.8'	59°49.8'	30°22.2'	105°43.1'	104°15.6'	74°09.8'
6	23°56.8'	55°04.1'	60°19.6'	29°57.8'	106°13.0'	104°42.6'	74°29.7'
7	24°27.1'	55°34.4'	60°49.4'	29°33.6'	106°43.0'	105°09.6'	74°49.6'
8	24°57.4'	56°04.7'	61°19.2'	29°09.6'	107°12.8'	105°36.6'	75°09.6'
9	25°27.8'	56°35.0'	61°49.0'	28°45.8'	107°42.7'	106°03.6'	75°29.6'
10	25°58.1'	57°05.3'	62°18.8'	28°22.2'	108°12.6'	106°30.5'	75°49.6'
11	26°28.4'	57°35.5'	62°48.5'	27°58.8'	108°42.4'	106°57.4'	76°09.6'
12	26°58.6'	58°05.8'	63°18.3'	27°35.6'	109°12.2'	107°24.3'	76°29.7'
13	27°28.9'	58°36.0'	63°48.0'	27°12.6'	109°42.1'	107°51.1'	76°49.8'
14	27°59.1'	59°06.2'	64°17.7'	26°49.8'	110°11.8'	108°17.9'	77°09.9'
15	28°29.4'	59°36.4'	64°47.5'	26°27.3'	110°41.6'	108°44.7'	77°30.0'
16	28°59.6'	60°06.6'	65°17.2'	26°05.0'	111°11.4'	109°11.5'	77°50.2'
17	29°29.8'	60°36.8'	65°46.9'	25°43.0'	111°41.1'	109°38.2'	78°10.4'
18	30°00.0'	61°07.0'	66°16.5'	25°21.2'	112°10.9'	110°04.9'	78°30.6'
19	30°30.2'	61°37.1'	66°46.2'	24°59.7'	112°40.6'	110°31.6'	78°50.8'
20	31°00.4'	62°07.2'	67°15.9'	24°38.5'	113°10.3'	110°58.2'	79°11.0'
21	31°30.5'	62°37.4'	67°45.5'	24°17.6'	113°40.0'	111°24.8'	79°31.3'
22	32°00.7'	63°07.5'	68°15.2'	23°57.0'	114°09.7'	111°51.3'	79°51.6'
23	32°30.8'	63°37.6'	68°44.8'	23°36.8'	114°39.3'	112°17.9'	80°11.9'

Fri Jul 19, 2019 UTC

UTC	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Aldebaran Lunar Dist.	+Spica Lunar Dist.	-Formalhaut Lunar Dist.	+Arcturus Lunar Dist.
0	33°00.9'	64°07.7'	69°14.4'	110°13.7'	115°09.0'	23°16.8'	112°44.4'
1	33°31.0'	64°37.7'	69°44.1'	109°43.8'	115°38.6'	22°57.2'	113°10.8'
2	34°01.1'	65°07.8'	70°13.7'	109°13.9'	116°08.2'	22°38.0'	113°37.2'
3	34°31.2'	65°37.8'	70°43.3'	108°44.1'	116°37.8'	22°19.2'	114°03.6'
4	35°01.3'	66°07.9'	71°12.8'	108°14.2'	117°07.4'	22°00.7'	114°30.0'
5	35°31.3'	66°37.9'	71°42.4'	107°44.3'	117°37.0'	21°42.7'	114°56.3'
6	36°01.4'	67°07.9'	72°12.0'	107°14.5'	118°06.5'	21°25.1'	115°22.6'
7	36°31.4'	67°37.9'	72°41.5'	106°44.7'	118°36.1'	21°07.9'	115°48.8'
8	37°01.4'	68°07.9'	73°11.1'	106°14.8'	119°05.6'	20°51.2'	116°15.0'
9	37°31.5'	68°37.9'	73°40.6'	105°45.0'	119°35.1'	20°35.0'	116°41.2'
10	38°01.5'	69°07.8'	74°10.2'	105°15.2'	120°04.6'	20°19.2'	117°07.3'
11	38°31.5'	69°37.8'	74°39.7'	104°45.4'	120°34.1'	20°04.0'	117°33.4'
12	39°01.4'	70°07.8'	75°09.2'	104°15.7'	121°03.6'	19°49.3'	117°59.4'
13	39°31.4'	70°37.7'	75°38.7'	103°45.9'	121°33.1'	19°35.2'	118°25.4'
14	40°01.4'	71°07.6'	76°08.2'	103°16.1'	122°02.5'	19°21.7'	118°51.4'
15	40°31.3'	71°37.5'	76°37.7'	102°46.4'	122°32.0'	19°08.7'	119°17.3'
16	41°01.3'	72°07.4'	77°07.1'	102°16.6'	123°01.4'	18°56.3'	119°43.2'
17	41°31.2'	72°37.3'	77°36.6'	101°46.9'	123°30.8'	18°44.6'	120°09.0'
18	42°01.1'	73°07.2'	78°06.1'	101°17.2'	124°00.2'	18°33.6'	120°34.8'
19	42°31.0'	73°37.1'	78°35.5'	100°47.5'	124°29.6'	18°23.2'	121°00.5'
20	43°00.9'	74°07.0'	79°05.0'	100°17.8'	124°58.9'	18°13.5'	121°26.2'
21	43°30.8'	74°36.8'	79°34.4'	99°48.1'	125°28.3'	18°04.5'	121°51.8'
22	44°00.7'	75°06.7'	80°03.8'	99°18.4'	125°57.7'	17°56.2'	122°17.4'
23	44°30.6'	75°36.5'	80°33.2'	98°48.7'	126°27.0'	17°48.7'	122°43.0'

Sat Jul 20, 2019 UTC

UTC	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	-Rigel Lunar Dist.	+Altair Lunar Dist.
0	45°00.5'	76°06.4'	81°02.7'	98°19.0'	115°21.0'	101°29.5'	43°17.0'
1	45°30.3'	76°36.2'	81°32.1'	97°49.4'	114°52.5'	101°03.5'	43°37.0'
2	46°00.2'	77°06.0'	82°01.5'	97°19.7'	114°23.9'	100°37.6'	43°57.2'
3	46°30.0'	77°35.8'	82°30.9'	96°50.1'	113°55.3'	100°11.6'	44°17.5'
4	46°59.9'	78°05.6'	83°00.2'	96°20.4'	113°26.8'	99°45.6'	44°38.0'
5	47°29.7'	78°35.4'	83°29.6'	95°50.8'	112°58.2'	99°19.6'	44°58.6'
6	47°59.6'	79°05.2'	83°59.0'	95°21.2'	112°29.6'	98°53.6'	45°19.3'
7	48°29.4'	79°35.0'	84°28.4'	94°51.6'	112°01.1'	98°27.6'	45°40.1'
8	48°59.2'	80°04.8'	84°57.7'	94°21.9'	111°32.5'	98°01.6'	46°01.1'
9	49°29.0'	80°34.5'	85°27.1'	93°52.3'	111°03.9'	97°35.6'	46°22.1'
10	49°58.8'	81°04.3'	85°56.4'	93°22.7'	110°35.4'	97°09.6'	46°43.3'
11	50°28.6'	81°34.1'	86°25.8'	92°53.1'	110°06.8'	96°43.6'	47°04.6'
12	50°58.4'	82°03.8'	86°55.1'	92°23.5'	109°38.2'	96°17.5'	47°26.0'
13	51°28.2'	82°33.6'	87°24.5'	91°54.0'	109°09.6'	95°51.5'	47°47.5'
14	51°57.9'	83°03.3'	87°53.8'	91°24.4'	108°41.1'	95°25.5'	48°09.2'
15	52°27.7'	83°33.0'	88°23.1'	90°54.8'	108°12.5'	94°59.5'	48°30.9'
16	52°57.5'	84°02.8'	88°52.4'	90°25.2'	107°43.9'	94°33.5'	48°52.7'
17	53°27.2'	84°32.5'	89°21.7'	89°55.7'	107°15.3'	94°07.5'	49°14.6'
18	53°57.0'	85°02.2'	89°51.1'	89°26.1'	106°46.7'	93°41.4'	49°36.7'
19	54°26.8'	85°31.9'	90°20.4'	88°56.6'	106°18.2'	93°15.4'	49°58.8'
20	54°56.5'	86°01.6'	90°49.7'	88°27.0'	105°49.6'	92°49.4'	50°21.0'
21	55°26.3'	86°31.3'	91°19.0'	87°57.5'	105°21.0'	92°23.4'	50°43.3'
22	55°56.0'	87°01.0'	91°48.3'	87°27.9'	104°52.4'	91°57.4'	51°05.6'
23	56°25.8'	87°30.7'	92°17.6'	86°58.4'	104°23.8'	91°31.3'	51°28.1'

Sun Jul 21, 2019 UTC

UTC	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	-Aldebaran Lunar Dist.	+Antares Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.
0	56°55.5'	88°00.4'	86°28.8'	92°46.9'	103°55.2'	51°50.6'	91°05.3'
1	57°25.2'	88°30.1'	85°59.3'	93°16.1'	103°26.6'	52°13.3'	90°39.3'
2	57°55.0'	88°59.8'	85°29.8'	93°45.4'	102°58.0'	52°36.0'	90°13.3'
3	58°24.7'	89°29.5'	85°00.2'	94°14.7'	102°29.4'	52°58.7'	89°47.3'
4	58°54.4'	89°59.2'	84°30.7'	94°44.0'	102°00.9'	53°21.6'	89°21.3'
5	59°24.2'	90°28.9'	84°01.2'	95°13.3'	101°32.3'	53°44.5'	88°55.3'
6	59°53.9'	90°58.6'	83°31.6'	95°42.5'	101°03.7'	54°07.5'	88°29.2'
7	60°23.6'	91°28.3'	83°02.1'	96°11.8'	100°35.0'	54°30.6'	88°03.2'
8	60°53.3'	91°58.0'	82°32.6'	96°41.1'	100°06.4'	54°53.8'	87°37.2'
9	61°23.1'	92°27.6'	82°03.1'	97°10.4'	99°37.8'	55°17.0'	87°11.2'
10	61°52.8'	92°57.3'	81°33.5'	97°39.6'	99°09.2'	55°40.3'	86°45.2'
11	62°22.5'	93°27.0'	81°04.0'	98°08.9'	98°40.6'	56°03.6'	86°19.2'
12	62°52.3'	93°56.7'	80°34.5'	98°38.2'	98°12.0'	56°27.0'	85°53.3'
13	63°22.0'	94°26.4'	80°04.9'	99°07.5'	97°43.4'	56°50.5'	85°27.3'
14	63°51.7'	94°56.1'	79°35.4'	99°36.7'	97°14.8'	57°14.0'	85°01.3'
15	64°21.4'	95°25.7'	79°05.9'	100°06.0'	96°46.1'	57°37.6'	84°35.3'
16	64°51.2'	95°55.4'	78°36.4'	100°35.3'	96°17.5'	58°01.3'	84°09.3'
17	65°20.9'	96°25.1'	78°06.8'	101°04.6'	95°48.9'	58°25.0'	83°43.4'
18	65°50.6'	96°54.8'	77°37.3'	101°33.8'	95°20.2'	58°48.8'	83°17.4'
19	66°20.4'	97°24.5'	77°07.8'	102°03.1'	94°51.6'	59°12.6'	82°51.4'
20	66°50.1'	97°54.2'	76°38.2'	102°32.4'	94°23.0'	59°36.5'	82°25.5'
21	67°19.9'	98°23.9'	76°08.7'	103°01.7'	93°54.3'	60°00.4'	81°59.5'
22	67°49.6'	98°53.6'	75°39.1'	103°31.0'	93°25.7'	60°24.4'	81°33.6'
23	68°19.3'	99°23.3'	75°09.6'	104°00.2'	92°57.0'	60°48.4'	81°07.6'

Mon Jul 22, 2019 UTC

UTC	+Saturn Lunar Dist.	-Aldebaran Lunar Dist.	+Jupiter Lunar Dist.	-Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	+Antares Lunar Dist.	+Altair Lunar Dist.
0	68°49.1'	74°40.0'	99°53.0'	92°28.3'	25°59.6'	104°29.5'	61°12.5'
1	69°18.9'	74°10.5'	100°22.7'	91°59.7'	26°21.5'	104°58.8'	61°36.7'
2	69°48.6'	73°40.9'	100°52.4'	91°31.0'	26°43.6'	105°28.1'	62°00.9'
3	70°18.4'	73°11.4'	101°22.1'	91°02.3'	27°05.9'	105°57.4'	62°25.1'
4	70°48.2'	72°41.8'	101°51.8'	90°33.7'	27°28.5'	106°26.7'	62°49.4'
5	71°17.9'	72°12.2'	102°21.6'	90°05.0'	27°51.2'	106°56.0'	63°13.7'
6	71°47.7'	71°42.6'	102°51.3'	89°36.3'	28°14.2'	107°25.3'	63°38.1'
7	72°17.5'	71°13.0'	103°21.0'	89°07.6'	28°37.3'	107°54.6'	64°02.5'
8	72°47.3'	70°43.4'	103°50.8'	88°38.9'	29°00.7'	108°24.0'	64°27.0'
9	73°17.1'	70°13.8'	104°20.5'	88°10.2'	29°24.2'	108°53.3'	64°51.5'
10	73°46.9'	69°44.2'	104°50.3'	87°41.5'	29°47.9'	109°22.6'	65°16.1'
11	74°16.7'	69°14.6'	105°20.0'	87°12.7'	30°11.7'	109°51.9'	65°40.7'
12	74°46.5'	68°45.0'	105°49.8'	86°44.0'	30°35.7'	110°21.3'	66°05.3'
13	75°16.4'	68°15.4'	106°19.6'	86°15.3'	30°59.9'	110°50.6'	66°30.0'
14	75°46.2'	67°45.8'	106°49.4'	85°46.5'	31°24.2'	111°20.0'	66°54.7'
15	76°16.0'	67°16.1'	107°19.2'	85°17.8'	31°48.6'	111°49.3'	67°19.5'
16	76°45.9'	66°46.5'	107°49.0'	84°49.0'	32°13.2'	112°18.7'	67°44.3'
17	77°15.8'	66°16.8'	108°18.8'	84°20.3'	32°38.0'	112°48.0'	68°09.1'
18	77°45.6'	65°47.1'	108°48.6'	83°51.5'	33°02.8'	113°17.4'	68°34.0'
19	78°15.5'	65°17.4'	109°18.4'	83°22.7'	33°27.8'	113°46.8'	68°58.9'
20	78°45.4'	64°47.8'	109°48.2'	82°54.0'	33°52.9'	114°16.2'	69°23.9'
21	79°15.3'	64°18.1'	110°18.1'	82°25.2'	34°18.1'	114°45.6'	69°48.9'
22	79°45.2'	63°48.3'	110°48.0'	81°56.4'	34°43.4'	115°15.0'	70°13.9'
23	80°15.2'	63°18.6'	111°17.8'	81°27.6'	35°08.9'	115°44.4'	70°39.0'

Tue Jul 23, 2019 UTC

UTC	-Sun Lunar Dist.	-Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.	+Saturn Lunar Dist.	-Betelgeuse Lunar Dist.	-Capella Lunar Dist.	+Jupiter Lunar Dist.
0	112°51.1'	62°48.9'	35°34.4'	80°45.1'	80°58.7'	78°29.3'	111°47.7'
1	112°23.7'	62°19.2'	36°00.1'	81°15.0'	80°29.9'	78°02.5'	112°17.6'
2	111°56.3'	61°49.4'	36°25.8'	81°45.0'	80°01.1'	77°35.6'	112°47.5'
3	111°28.8'	61°19.6'	36°51.7'	82°15.0'	79°32.2'	77°08.8'	113°17.4'
4	111°01.4'	60°49.9'	37°17.6'	82°45.0'	79°03.4'	76°41.9'	113°47.3'
5	110°34.0'	60°20.1'	37°43.7'	83°14.9'	78°34.5'	76°15.1'	114°17.3'
6	110°06.5'	59°50.3'	38°09.8'	83°45.0'	78°05.6'	75°48.3'	114°47.2'
7	109°39.1'	59°20.4'	38°36.0'	84°15.0'	77°36.8'	75°21.4'	115°17.2'
8	109°11.6'	58°50.6'	39°02.3'	84°45.0'	77°07.9'	74°54.6'	115°47.2'
9	108°44.1'	58°20.8'	39°28.7'	85°15.1'	76°39.0'	74°27.7'	116°17.1'
10	108°16.6'	57°50.9'	39°55.2'	85°45.1'	76°10.1'	74°00.9'	116°47.1'
11	107°49.0'	57°21.0'	40°21.7'	86°15.2'	75°41.1'	73°34.0'	117°17.2'
12	107°21.5'	56°51.1'	40°48.3'	86°45.3'	75°12.2'	73°07.2'	117°47.2'
13	106°53.9'	56°21.2'	41°15.1'	87°15.4'	74°43.3'	72°40.3'	118°17.2'
14	106°26.4'	55°51.3'	41°41.8'	87°45.6'	74°14.3'	72°13.5'	118°47.3'
15	105°58.8'	55°21.4'	42°08.7'	88°15.7'	73°45.3'	71°46.6'	119°17.4'
16	105°31.2'	54°51.4'	42°35.6'	88°45.9'	73°16.4'	71°19.8'	119°47.5'
17	105°03.6'	54°21.4'	43°02.6'	89°16.1'	72°47.4'	70°53.0'	120°17.6'
18	104°35.9'	53°51.5'	43°29.7'	89°46.2'	72°18.4'	70°26.1'	120°47.7'
19	104°08.3'	53°21.5'	43°56.8'	90°16.5'	71°49.4'	69°59.3'	121°17.9'
20	103°40.6'	52°51.4'	44°24.0'	90°46.7'	71°20.3'	69°32.5'	121°48.0'
21	103°12.9'	52°21.4'	44°51.2'	91°16.9'	70°51.3'	69°05.7'	122°18.2'
22	102°45.2'	51°51.3'	45°18.6'	91°47.2'	70°22.2'	68°38.8'	122°48.4'
23	102°17.4'	51°21.3'	45°46.0'	92°17.5'	69°53.2'	68°12.0'	123°18.6'

Wed Jul 24, 2019 UTC

UTC	−Sun Lunar Dist.	−Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.	−Betelgeuse Lunar Dist.	+Saturn Lunar Dist.	−Capella Lunar Dist.	−Rigel Lunar Dist.
0	101°49.7'	50°51.2'	46°13.4'	69°24.1'	92°47.8'	67°45.2'	60°09.7'
1	101°21.9'	50°21.0'	46°40.9'	68°55.0'	93°18.1'	67°18.4'	59°44.5'
2	100°54.1'	49°50.9'	47°08.5'	68°25.9'	93°48.5'	66°51.6'	59°19.3'
3	100°26.3'	49°20.7'	47°36.1'	67°56.8'	94°18.9'	66°24.8'	58°54.2'
4	99°58.5'	48°50.6'	48°03.8'	67°27.7'	94°49.3'	65°58.0'	58°29.1'
5	99°30.6'	48°20.4'	48°31.6'	66°58.6'	95°19.7'	65°31.2'	58°04.0'
6	99°02.8'	47°50.2'	48°59.4'	66°29.4'	95°50.1'	65°04.5'	57°38.9'
7	98°34.9'	47°19.9'	49°27.2'	66°00.3'	96°20.6'	64°37.7'	57°13.9'
8	98°06.9'	46°49.7'	49°55.1'	65°31.1'	96°51.0'	64°10.9'	56°48.9'
9	97°39.0'	46°19.4'	50°23.1'	65°01.9'	97°21.5'	63°44.2'	56°24.0'
10	97°11.0'	45°49.1'	50°51.1'	64°32.7'	97°52.1'	63°17.4'	55°59.1'
11	96°43.0'	45°18.7'	51°19.2'	64°03.5'	98°22.6'	62°50.7'	55°34.2'
12	96°15.0'	44°48.4'	51°47.3'	63°34.3'	98°53.2'	62°24.0'	55°09.4'
13	95°47.0'	44°18.0'	52°15.5'	63°05.0'	99°23.8'	61°57.3'	54°44.6'
14	95°18.9'	43°47.6'	52°43.8'	62°35.8'	99°54.4'	61°30.6'	54°19.8'
15	94°50.8'	43°17.2'	53°12.0'	62°06.5'	100°25.0'	61°03.9'	53°55.2'
16	94°22.7'	42°46.7'	53°40.4'	61°37.2'	100°55.7'	60°37.2'	53°30.5'
17	93°54.6'	42°16.3'	54°08.8'	61°07.9'	101°26.4'	60°10.5'	53°05.9'
18	93°26.4'	41°45.8'	54°37.2'	60°38.6'	101°57.1'	59°43.9'	52°41.4'
19	92°58.2'	41°15.2'	55°05.7'	60°09.3'	102°27.9'	59°17.2'	52°16.9'
20	92°30.0'	40°44.7'	55°34.2'	59°40.0'	102°58.7'	58°50.6'	51°52.4'
21	92°01.8'	40°14.1'	56°02.8'	59°10.6'	103°29.5'	58°24.0'	51°28.1'
22	91°33.5'	39°43.5'	56°31.5'	58°41.3'	104°00.3'	57°57.4'	51°03.7'
23	91°05.2'	39°12.9'	57°00.2'	58°11.9'	104°31.1'	57°30.9'	50°39.5'

Thu Jul 25, 2019 UTC

UTC	−Sun Lunar Dist.	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Capella Lunar Dist.	+Saturn Lunar Dist.	−Rigel Lunar Dist.
0	90°36.9'	38°42.2'	57°42.5'	57°28.9'	57°04.3'	105°02.0'	50°15.3'
1	90°08.5'	38°11.6'	57°13.1'	57°57.7'	56°37.8'	105°32.9'	49°51.1'
2	89°40.1'	37°40.9'	56°43.7'	58°26.5'	56°11.3'	106°03.9'	49°27.1'
3	89°11.7'	37°10.1'	56°14.3'	58°55.4'	55°44.8'	106°34.9'	49°03.1'
4	88°43.3'	36°39.4'	55°44.9'	59°24.3'	55°18.4'	107°05.9'	48°39.1'
5	88°14.8'	36°08.6'	55°15.4'	59°53.3'	54°51.9'	107°36.9'	48°15.3'
6	87°46.3'	35°37.8'	54°46.0'	60°22.3'	54°25.5'	108°08.0'	47°51.5'
7	87°17.8'	35°06.9'	54°16.5'	60°51.4'	53°59.2'	108°39.0'	47°27.8'
8	86°49.2'	34°36.0'	53°47.1'	61°20.5'	53°32.8'	109°10.2'	47°04.2'
9	86°20.6'	34°05.1'	53°17.6'	61°49.7'	53°06.5'	109°41.3'	46°40.7'
10	85°52.0'	33°34.2'	52°48.1'	62°18.9'	52°40.2'	110°12.5'	46°17.2'
11	85°23.3'	33°03.2'	52°18.6'	62°48.1'	52°13.9'	110°43.7'	45°53.9'
12	84°54.6'	32°32.2'	51°49.0'	63°17.4'	51°47.7'	111°15.0'	45°30.6'
13	84°25.9'	32°01.2'	51°19.5'	63°46.8'	51°21.6'	111°46.3'	45°07.5'
14	83°57.1'	31°30.1'	50°50.0'	64°16.2'	50°55.4'	112°17.6'	44°44.4'
15	83°28.4'	30°59.1'	50°20.4'	64°45.6'	50°29.3'	112°48.9'	44°21.5'
16	82°59.5'	30°27.9'	49°50.9'	65°15.1'	50°03.2'	113°20.3'	43°58.6'
17	82°30.7'	29°56.8'	49°21.3'	65°44.7'	49°37.2'	113°51.7'	43°35.9'
18	82°01.8'	29°25.6'	48°51.8'	66°14.2'	49°11.3'	114°23.2'	43°13.3'
19	81°32.9'	28°54.4'	48°22.2'	66°43.9'	48°45.3'	114°54.7'	42°50.8'
20	81°03.9'	28°23.2'	47°52.6'	67°13.5'	48°19.5'	115°26.2'	42°28.4'
21	80°34.9'	27°51.9'	47°23.0'	67°43.3'	47°53.7'	115°57.7'	42°06.2'
22	80°05.9'	27°20.6'	46°53.5'	68°13.0'	47°27.9'	116°29.3'	41°44.1'
23	79°36.8'	26°49.2'	46°23.9'	68°42.8'	47°02.2'	117°00.9'	41°22.1'

Fri Jul 26, 2019 UTC

UTC	−Sun Lunar Dist.	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Capella Lunar Dist.	+Saturn Lunar Dist.	−Rigel Lunar Dist.
0	79°07.7'	26°17.9'	45°54.3'	69°12.7'	46°36.5'	117°32.6'	41°00.3'
1	78°38.6'	25°46.5'	45°24.7'	69°42.6'	46°11.0'	118°04.3'	40°38.6'
2	78°09.4'	25°15.0'	44°55.1'	70°12.5'	45°45.4'	118°36.0'	40°17.1'
3	77°40.2'	24°43.6'	44°25.5'	70°42.5'	45°20.0'	119°07.8'	39°55.7'
4	77°10.9'	24°12.1'	43°55.9'	71°12.6'	44°54.6'	119°39.6'	39°34.5'
5	76°41.7'	23°40.5'	43°26.3'	71°42.7'	44°29.3'	120°11.5'	39°13.5'
6	76°12.3'	23°09.0'	42°56.8'	72°12.8'	44°04.1'	120°43.4'	38°52.7'
7	75°43.0'	22°37.4'	42°27.2'	72°43.0'	43°39.0'	121°15.3'	38°32.0'
8	75°13.6'	22°05.8'	41°57.6'	73°13.2'	43°13.9'	121°47.2'	38°11.5'
9	74°44.1'	21°34.1'	41°28.1'	73°43.5'	42°48.9'	122°19.2'	37°51.3'
10	74°14.6'	21°02.4'	40°58.5'	74°13.8'	42°24.1'	122°51.3'	37°31.2'
11	73°45.1'	20°30.7'	40°29.0'	74°44.1'	41°59.3'	123°23.4'	37°11.3'
12	73°15.6'	19°59.0'	39°59.5'	75°14.5'	41°34.6'	123°55.5'	36°51.7'
13	72°46.0'	19°27.2'	39°29.9'	75°45.0'	41°10.0'	124°27.6'	36°32.2'
14	72°16.3'	18°55.4'	39°00.4'	76°15.5'	40°45.6'	124°59.8'	36°13.0'
15	71°46.6'	18°23.6'	38°31.0'	76°46.0'	40°21.2'	125°32.1'	35°54.1'
16	71°16.9'	17°51.7'	38°01.5'	77°16.6'	39°57.0'	126°04.4'	35°35.4'
17	70°47.2'	17°19.8'	37°32.1'	77°47.2'	39°32.9'	126°36.7'	35°16.9'
18	70°17.4'	16°47.9'	37°02.7'	78°17.9'	39°08.9'	127°09.1'	34°58.7'
19	69°47.5'	16°16.0'	36°33.3'	78°48.6'	38°45.1'	127°41.5'	34°40.8'
20	69°17.6'	15°44.0'	36°04.0'	79°19.4'	38°21.4'	128°13.9'	34°23.2'
21	68°47.7'	15°12.1'	35°34.7'	79°50.2'	37°57.8'	128°46.4'	34°05.8'
22	68°17.7'	14°40.1'	35°05.4'	80°21.1'	37°34.5'	129°18.9'	33°48.8'
23	67°47.7'	14°08.1'	34°36.2'	80°52.0'	37°11.2'	129°51.5'	33°32.0'

Sat Jul 27, 2019 UTC

UTC	−Sun Lunar Dist.	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Capella Lunar Dist.	+Altair Lunar Dist.	−Sirius Lunar Dist.
0	67°17.7'	13°36.1'	34°07.0'	81°22.9'	36°48.2'	113°14.6'	55°51.9'
1	66°47.6'	13°04.1'	33°37.9'	81°53.9'	36°25.3'	113°41.7'	55°30.9'
2	66°17.4'	12°32.0'	33°08.8'	82°25.0'	36°02.6'	114°08.7'	55°10.0'
3	65°47.2'	12°00.0'	32°39.8'	82°56.0'	35°40.0'	114°35.8'	54°49.2'
4	65°17.0'	11°28.0'	32°10.8'	83°27.2'	35°17.7'	115°02.8'	54°28.6'
5	64°46.7'	10°56.0'	31°41.9'	83°58.4'	34°55.6'	115°29.9'	54°08.0'
6	64°16.4'	10°24.0'	31°13.1'	84°29.6'	34°33.7'	115°56.9'	53°47.5'
7	63°46.1'	9°52.1'	30°44.3'	85°00.8'	34°12.0'	116°23.9'	53°27.2'
8	63°15.7'	9°20.2'	30°15.7'	85°32.2'	33°50.5'	116°50.9'	53°06.9'
9	62°45.2'	8°48.4'	29°47.1'	86°03.5'	33°29.3'	117°17.9'	52°46.8'
10	62°14.7'	8°16.7'	29°18.6'	86°34.9'	33°08.4'	117°44.9'	52°26.8'
11	61°44.2'	7°45.1'	28°50.3'	87°06.4'	32°47.7'	118°11.9'	52°06.9'
12	61°13.6'	7°13.6'	28°22.0'	87°37.9'	32°27.2'	118°38.8'	51°47.2'
13	60°43.0'	6°42.4'	27°53.9'	88°09.4'	32°07.1'	119°05.7'	51°27.6'
14	60°12.3'	6°11.4'	27°25.9'	88°41.0'	31°47.2'	119°32.6'	51°08.1'
15	59°41.6'	5°40.7'	26°58.0'	89°12.6'	31°27.7'	119°59.5'	50°48.8'
16	59°10.8'	5°10.6'	26°30.2'	89°44.3'	31°08.4'	120°26.3'	50°29.6'
17	58°40.0'	−	26°02.7'	90°16.0'	30°49.5'	120°53.1'	50°10.6'
18	58°09.1'	−	25°35.3'	90°47.8'	30°31.0'	121°19.9'	49°51.7'
19	57°38.2'	−	25°08.1'	91°19.6'	30°12.8'	121°46.7'	49°33.0'
20	57°07.3'	−	24°41.0'	91°51.4'	29°54.9'	122°13.4'	49°14.4'
21	56°36.3'	−	24°14.2'	92°23.3'	29°37.5'	122°40.1'	48°56.0'
22	56°05.2'	−	23°47.6'	92°55.2'	29°20.4'	123°06.8'	48°37.8'
23	55°34.1'	−	23°21.3'	93°27.2'	29°03.7'	123°33.4'	48°19.8'

Sun Jul 28, 2019 UTC

UTC	−Sun Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Capella Lunar Dist.	−Sirius Lunar Dist.	+Achernar Lunar Dist.
0	55°03.0′	22°55.2′	93°59.2′	28°47.5′	48°01.9′	84°12.0′
1	54°31.8′	22°29.3′	94°31.3′	28°31.7′	47°44.2′	84°31.1′
2	54°00.6′	22°03.8′	95°03.4′	28°16.4′	47°26.8′	84°50.4′
3	53°29.3′	21°38.6′	95°35.6′	28°01.5′	47°09.5′	85°09.6′
4	52°58.0′	21°13.7′	96°07.8′	27°47.1′	46°52.4′	85°28.9′
5	52°26.6′	20°49.2′	96°40.0′	27°33.2′	46°35.5′	85°48.3′
6	51°55.2′	20°25.1′	97°12.3′	27°19.8′	46°18.9′	86°07.7′
7	51°23.7′	20°01.4′	97°44.6′	27°07.0′	46°02.4′	86°27.1′
8	50°52.2′	19°38.1′	98°17.0′	26°54.7′	45°46.2′	86°46.6′
9	50°20.6′	19°15.3′	98°49.4′	26°42.9′	45°30.2′	87°06.1′
10	49°49.0′	18°53.0′	99°21.8′	26°31.8′	45°14.5′	87°25.7′
11	49°17.3′	18°31.3′	99°54.3′	26°21.2′	44°59.0′	87°45.3′
12	48°45.6′	18°10.1′	100°26.8′	26°11.2′	44°43.7′	88°04.9′
13	48°13.9′	17°49.5′	100°59.4′	26°01.9′	44°28.7′	88°24.6′
14	47°42.1′	17°29.7′	101°32.0′	25°53.1′	44°14.0′	88°44.3′
15	47°10.2′	17°10.5′	102°04.6′	25°45.1′	43°59.5′	89°04.0′
16	46°38.3′	16°52.0′	102°37.3′	25°37.7′	43°45.3′	89°23.8′
17	46°06.4′	–	103°10.0′	25°30.9′	43°31.3′	89°43.6′
18	45°34.4′	–	103°42.8′	25°24.9′	43°17.7′	90°03.4′
19	45°02.3′	–	104°15.6′	25°19.5′	43°04.3′	90°23.3′
20	44°30.2′	–	104°48.5′	25°14.9′	42°51.3′	90°43.2′
21	43°58.1′	–	105°21.3′	25°11.0′	42°38.5′	91°03.1′
22	43°25.9′	–	105°54.2′	25°07.8′	42°26.1′	91°23.0′
23	42°53.7′	–	106°27.2′	25°05.3′	42°13.9′	91°42.9′

Mon Jul 29, 2019 UTC

UTC	−Sun Lunar Dist.	+Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.
0	42°21.4′	13°37.5′	107°00.2′
1	41°49.1′	14°11.8′	107°33.2′
2	41°16.7′	14°46.1′	108°06.2′
3	40°44.3′	15°20.6′	108°39.3′
4	40°11.8′	15°55.1′	109°12.5′
5	39°39.3′	16°29.7′	109°45.6′
6	39°06.8′	17°04.3′	110°18.8′
7	38°34.2′	17°39.0′	110°52.0′
8	38°01.5′	18°13.8′	111°25.3′
9	37°28.8′	18°48.7′	111°58.5′
10	36°56.1′	19°23.6′	112°31.8′
11	36°23.3′	19°58.6′	113°05.2′
12	35°50.5′	20°33.6′	113°38.5′
13	35°17.6′	21°08.7′	114°11.9′
14	34°44.7′	21°43.8′	114°45.4′
15	34°11.7′	22°19.1′	115°18.8′
16	33°38.7′	22°54.3′	115°52.3′
17	33°05.6′	23°29.6′	116°25.8′
18	32°32.6′	24°05.0′	116°59.3′
19	31°59.4′	24°40.4′	117°32.8′
20	31°26.2′	25°15.9′	118°06.4′
21	30°53.0′	25°51.4′	118°39.9′
22	30°19.7′	26°27.0′	119°13.5′
23	29°46.4′	27°02.6′	119°47.2′

Tue Jul 30, 2019 UTC

UTC	+Aldebaran Lunar Dist.	+Rigel Lunar Dist.	+Capella Lunar Dist.
0	27°38.3'	35°46.0'	28°03.1'
1	28°14.0'	36°07.1'	28°19.0'
2	28°49.8'	36°28.6'	28°35.5'
3	29°25.6'	36°50.3'	28°52.5'
4	30°01.4'	37°12.5'	29°10.1'
5	30°37.3'	37°34.9'	29°28.2'
6	31°13.3'	37°57.7'	29°46.8'
7	31°49.3'	38°20.8'	30°06.0'
8	32°25.3'	38°44.2'	30°25.6'
9	33°01.4'	39°07.9'	30°45.7'
10	33°37.6'	39°31.9'	31°06.2'
11	34°13.7'	39°56.2'	31°27.2'
12	34°49.9'	40°20.7'	31°48.7'
13	35°26.2'	40°45.5'	32°10.5'
14	36°02.5'	41°10.6'	32°32.8'
15	36°38.8'	41°36.0'	32°55.5'
16	37°15.2'	42°01.6'	33°18.5'
17	37°51.6'	42°27.4'	33°42.0'
18	38°28.1'	42°53.5'	34°05.8'
19	39°04.6'	43°19.8'	34°29.9'
20	39°41.1'	43°46.3'	34°54.4'
21	40°17.7'	44°13.0'	35°19.2'
22	40°54.3'	44°40.0'	35°44.3'
23	41°31.0'	45°07.2'	36°09.8'

Wed Jul 31, 2019 UTC

UTC	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	+Rigel Lunar Dist.	+Capella Lunar Dist.
0	42°07.6'	27°51.9'	45°34.5'	36°35.5'
1	42°44.4'	28°23.3'	46°02.1'	37°01.5'
2	43°21.1'	28°54.8'	46°29.8'	37°27.9'
3	43°57.9'	29°26.6'	46°57.8'	37°54.4'
4	44°34.7'	29°58.6'	47°25.9'	38°21.3'
5	45°11.6'	30°30.7'	47°54.2'	38°48.4'
6	45°48.4'	31°03.1'	48°22.6'	39°15.8'
7	46°25.4'	31°35.6'	48°51.2'	39°43.4'
8	47°02.3'	32°08.4'	49°20.0'	40°11.2'
9	47°39.3'	32°41.2'	49°49.0'	40°39.2'
10	48°16.3'	33°14.3'	50°18.1'	41°07.5'
11	48°53.3'	33°47.4'	50°47.3'	41°36.0'
12	49°30.4'	34°20.7'	51°16.7'	42°04.7'
13	50°07.5'	34°54.2'	51°46.2'	42°33.6'
14	50°44.6'	35°27.8'	52°15.9'	43°02.7'
15	51°21.8'	36°01.5'	52°45.7'	43°31.9'
16	51°59.0'	36°35.3'	53°15.6'	44°01.4'
17	52°36.2'	37°09.3'	53°45.7'	44°31.0'
18	53°13.4'	37°43.4'	54°15.9'	45°00.8'
19	53°50.6'	38°17.5'	54°46.2'	45°30.8'
20	54°27.9'	38°51.8'	55°16.6'	46°00.9'
21	55°05.2'	39°26.2'	55°47.1'	46°31.1'
22	55°42.5'	40°00.6'	56°17.7'	47°01.6'
23	56°19.9'	40°35.2'	56°48.5'	47°32.1'