

Fri Aug 2, 2019 UTC

UTC	–Regulus Lunar Dist.	–Spica Lunar Dist.	–Arcturus Lunar Dist.	–Antares Lunar Dist.	–Jupiter Lunar Dist.	–Rigil Kentaurus Lunar Dist.
0	8°49.1'	62°39.7'	65°19.0'	108°34.2'	112°57.9'	97°57.0'
1	8°13.9'	62°02.3'	64°45.8'	107°56.9'	112°20.1'	97°31.2'
2	7°39.2'	61°25.0'	64°12.7'	107°19.6'	111°42.4'	97°05.5'
3	7°04.9'	60°47.7'	63°39.6'	106°42.3'	111°04.7'	96°39.7'
4	–	60°10.4'	63°06.5'	106°04.9'	110°26.9'	96°13.8'
5	–	59°33.1'	62°33.5'	105°27.6'	109°49.2'	95°48.0'
6	–	58°55.8'	62°00.6'	104°50.2'	109°11.4'	95°22.1'
7	–	58°18.5'	61°27.7'	104°12.9'	108°33.7'	94°56.2'
8	–	57°41.2'	60°54.9'	103°35.6'	107°55.9'	94°30.3'
9	–	57°03.9'	60°22.1'	102°58.2'	107°18.2'	94°04.4'
10	–	56°26.7'	59°49.4'	102°20.9'	106°40.5'	93°38.4'
11	–	55°49.4'	59°16.7'	101°43.5'	106°02.7'	93°12.5'
12	–	55°12.1'	58°44.1'	101°06.2'	105°25.0'	92°46.5'
13	–	54°34.9'	58°11.6'	100°28.9'	104°47.3'	92°20.5'
14	–	53°57.7'	57°39.2'	99°51.5'	104°09.5'	91°54.5'
15	–	53°20.5'	57°06.8'	99°14.2'	103°31.8'	91°28.6'
16	–	52°43.3'	56°34.5'	98°36.9'	102°54.1'	91°02.6'
17	–	52°06.1'	56°02.3'	97°59.6'	102°16.4'	90°36.6'
18	–	51°28.9'	55°30.1'	97°22.2'	101°38.7'	90°10.6'
19	–	50°51.8'	54°58.1'	96°44.9'	101°01.1'	89°44.6'
20	–	50°14.6'	54°26.1'	96°07.7'	100°23.4'	89°18.7'
21	–	49°37.5'	53°54.2'	95°30.4'	99°45.7'	88°52.7'
22	–	49°00.4'	53°22.5'	94°53.1'	99°08.1'	88°26.8'
23	6°53.9'	48°23.3'	52°50.8'	94°15.8'	98°30.4'	88°00.8'

Sat Aug 3, 2019 UTC

UTC	+Regulus Lunar Dist.	–Spica Lunar Dist.	–Antares Lunar Dist.	–Jupiter Lunar Dist.	–Arcturus Lunar Dist.	–Rigil Kentaurus Lunar Dist.	–Hadar Lunar Dist.
0	7°27.9'	47°46.3'	93°38.6'	97°52.8'	52°19.2'	87°34.9'	83°47.0'
1	8°02.3'	47°09.3'	93°01.3'	97°15.2'	51°47.7'	87°09.0'	83°22.2'
2	8°37.2'	46°32.3'	92°24.1'	96°37.6'	51°16.4'	86°43.1'	82°57.4'
3	9°12.4'	45°55.3'	91°46.9'	95°60.0'	50°45.1'	86°17.3'	82°32.6'
4	9°47.9'	45°18.3'	91°09.7'	95°22.4'	50°14.0'	85°51.4'	82°07.9'
5	10°23.7'	44°41.4'	90°32.5'	94°44.9'	49°42.9'	85°25.6'	81°43.3'
6	10°59.6'	44°04.5'	89°55.3'	94°07.3'	49°12.0'	84°59.9'	81°18.6'
7	11°35.6'	43°27.6'	89°18.2'	93°29.8'	48°41.3'	84°34.1'	80°54.1'
8	12°11.8'	42°50.8'	88°41.0'	92°52.3'	48°10.6'	84°08.4'	80°29.5'
9	12°48.1'	42°14.0'	88°03.9'	92°14.8'	47°40.1'	83°42.7'	80°05.0'
10	13°24.5'	41°37.2'	87°26.8'	91°37.3'	47°09.8'	83°17.0'	79°40.6'
11	14°00.9'	41°00.5'	86°49.7'	90°59.9'	46°39.6'	82°51.4'	79°16.2'
12	14°37.5'	40°23.8'	86°12.7'	90°22.4'	46°09.5'	82°25.9'	78°51.9'
13	15°14.0'	39°47.1'	85°35.6'	89°45.0'	45°39.6'	82°00.3'	78°27.7'
14	15°50.6'	39°10.5'	84°58.6'	89°07.6'	45°09.9'	81°34.9'	78°03.5'
15	16°27.3'	38°33.9'	84°21.6'	88°30.2'	44°40.3'	81°09.4'	77°39.4'
16	17°04.0'	37°57.4'	83°44.6'	87°52.9'	44°10.9'	80°44.0'	77°15.3'
17	17°40.6'	37°20.9'	83°07.7'	87°15.6'	43°41.6'	80°18.7'	76°51.3'
18	18°17.4'	36°44.5'	82°30.7'	86°38.2'	43°12.6'	79°53.4'	76°27.4'
19	18°54.1'	36°08.0'	81°53.8'	86°01.0'	42°43.7'	79°28.2'	76°03.5'
20	19°30.8'	35°31.7'	81°16.9'	85°23.7'	42°15.1'	79°03.0'	75°39.7'
21	20°07.6'	34°55.4'	80°40.1'	84°46.5'	41°46.6'	78°37.9'	75°16.0'
22	20°44.3'	34°19.1'	80°03.2'	84°09.3'	41°18.3'	78°12.8'	74°52.4'
23	21°21.0'	33°42.9'	79°26.4'	83°32.1'	40°50.3'	77°47.8'	74°28.8'

Sun Aug 4, 2019 UTC

UTC	+Sun Lunar Dist.	+Regulus Lunar Dist.	-Spica Lunar Dist.	-Antares Lunar Dist.	-Jupiter Lunar Dist.	-Saturn Lunar Dist.	-Arcturus Lunar Dist.
0	40°32.2'	21°57.8'	33°06.8'	78°49.6'	82°54.9'	113°40.3'	40°22.5'
1	41°06.9'	22°34.5'	32°30.7'	78°12.9'	82°17.8'	113°03.0'	39°54.9'
2	41°41.5'	23°11.2'	31°54.7'	77°36.1'	81°40.7'	112°25.8'	39°27.5'
3	42°16.1'	23°48.0'	31°18.7'	76°59.4'	81°03.6'	111°48.6'	39°00.4'
4	42°50.7'	24°24.7'	30°42.8'	76°22.8'	80°26.5'	111°11.4'	38°33.5'
5	43°25.3'	25°01.4'	30°07.0'	75°46.1'	79°49.5'	110°34.2'	38°06.9'
6	43°59.8'	25°38.0'	29°31.2'	75°09.5'	79°12.5'	109°57.1'	37°40.6'
7	44°34.4'	26°14.7'	28°55.5'	74°32.9'	78°35.5'	109°20.0'	37°14.5'
8	45°08.8'	26°51.4'	28°19.9'	73°56.4'	77°58.6'	108°42.9'	36°48.7'
9	45°43.3'	27°28.0'	27°44.4'	73°19.9'	77°21.7'	108°05.9'	36°23.2'
10	46°17.7'	28°04.6'	27°08.9'	72°43.4'	76°44.8'	107°28.9'	35°58.1'
11	46°52.1'	28°41.2'	26°33.6'	72°06.9'	76°08.0'	106°51.9'	35°33.2'
12	47°26.5'	29°17.8'	25°58.3'	71°30.5'	75°31.2'	106°15.0'	35°08.6'
13	48°00.8'	29°54.3'	25°23.1'	70°54.1'	74°54.4'	105°38.0'	34°44.4'
14	48°35.2'	30°30.8'	24°48.1'	70°17.7'	74°17.6'	105°01.2'	34°20.6'
15	49°09.4'	31°07.3'	24°13.1'	69°41.4'	73°40.9'	104°24.3'	33°57.1'
16	49°43.7'	31°43.8'	23°38.3'	69°05.1'	73°04.2'	103°47.5'	33°33.9'
17	50°17.9'	32°20.3'	23°03.5'	68°28.9'	72°27.6'	103°10.7'	33°11.2'
18	50°52.1'	32°56.7'	22°28.9'	67°52.6'	71°50.9'	102°33.9'	32°48.8'
19	51°26.2'	33°33.1'	21°54.5'	67°16.5'	71°14.4'	101°57.2'	32°26.8'
20	52°00.3'	34°09.4'	21°20.1'	66°40.3'	70°37.8'	101°20.5'	32°05.3'
21	52°34.4'	34°45.8'	20°46.0'	66°04.2'	70°01.3'	100°43.9'	31°44.1'
22	53°08.5'	35°22.1'	20°12.0'	65°28.1'	69°24.8'	100°07.2'	31°23.4'
23	53°42.5'	35°58.4'	19°38.1'	64°52.1'	68°48.3'	99°30.6'	31°03.2'

Mon Aug 5, 2019 UTC

UTC	+Sun Lunar Dist.	+Regulus Lunar Dist.	-Spica Lunar Dist.	-Jupiter Lunar Dist.	-Antares Lunar Dist.	-Saturn Lunar Dist.	-Altair Lunar Dist.
0	54°16.5'	36°34.6'	19°04.5'	68°11.9'	64°16.1'	98°54.1'	109°22.8'
1	54°50.4'	37°10.8'	18°31.0'	67°35.6'	63°40.2'	98°17.6'	108°52.1'
2	55°24.3'	37°47.0'	17°57.8'	66°59.2'	63°04.2'	97°41.1'	108°21.5'
3	55°58.2'	38°23.2'	17°24.7'	66°22.9'	62°28.4'	97°04.6'	107°50.8'
4	56°32.0'	38°59.3'	16°52.0'	65°46.6'	61°52.5'	96°28.2'	107°20.1'
5	57°05.9'	39°35.4'	16°19.5'	65°10.4'	61°16.7'	95°51.8'	106°49.4'
6	57°39.6'	40°11.5'	15°47.3'	64°34.2'	60°41.0'	95°15.5'	106°18.7'
7	58°13.4'	40°47.5'	15°15.4'	63°58.0'	60°05.2'	94°39.2'	105°48.0'
8	58°47.1'	41°23.5'	14°43.9'	63°21.9'	59°29.6'	94°02.9'	105°17.3'
9	59°20.7'	41°59.5'	14°12.8'	62°45.8'	58°53.9'	93°26.7'	104°46.6'
10	59°54.3'	42°35.4'	13°42.1'	62°09.8'	58°18.3'	92°50.5'	104°15.9'
11	60°27.9'	43°11.3'	13°11.8'	61°33.8'	57°42.8'	92°14.4'	103°45.2'
12	61°01.5'	43°47.1'	12°42.1'	60°57.8'	57°07.3'	91°38.2'	103°14.5'
13	61°35.0'	44°23.0'	12°13.0'	60°21.9'	56°31.8'	91°02.2'	102°43.9'
14	62°08.5'	44°58.7'	11°44.5'	59°46.0'	55°56.4'	90°26.1'	102°13.2'
15	62°41.9'	45°34.5'	–	59°10.1'	55°21.0'	89°50.1'	101°42.5'
16	63°15.3'	46°10.2'	–	58°34.3'	54°45.7'	89°14.1'	101°11.9'
17	63°48.7'	46°45.9'	–	57°58.5'	54°10.4'	88°38.2'	100°41.3'
18	64°22.0'	47°21.5'	–	57°22.8'	53°35.2'	88°02.3'	100°10.7'
19	64°55.3'	47°57.1'	–	56°47.1'	52°60.0'	87°26.5'	99°40.1'
20	65°28.5'	48°32.7'	–	56°11.4'	52°24.8'	86°50.7'	99°09.5'
21	66°01.7'	49°08.2'	–	55°35.8'	51°49.7'	86°14.9'	98°38.9'
22	66°34.9'	49°43.7'	–	55°00.2'	51°14.7'	85°39.1'	98°08.4'
23	67°08.0'	50°19.2'	–	54°24.7'	50°39.7'	85°03.5'	97°37.9'

Tue Aug 6, 2019 UTC

UTC	+Sun Lunar Dist.	+Regulus Lunar Dist.	-Jupiter Lunar Dist.	-Antares Lunar Dist.	-Saturn Lunar Dist.	-Altair Lunar Dist.	-Rigel Kentaurus Lunar Dist.
0	67°41.1'	50°54.6'	53°49.2'	50°04.7'	84°27.8'	97°07.3'	59°23.8'
1	68°14.2'	51°30.0'	53°13.7'	49°29.8'	83°52.2'	96°36.9'	59°04.7'
2	68°47.2'	52°05.3'	52°38.3'	48°54.9'	83°16.6'	96°06.4'	58°45.7'
3	69°20.1'	52°40.7'	52°02.9'	48°20.1'	82°41.1'	95°36.0'	58°27.0'
4	69°53.1'	53°15.9'	51°27.6'	47°45.4'	82°05.6'	95°05.6'	58°08.4'
5	70°26.0'	53°51.2'	50°52.3'	47°10.6'	81°30.1'	94°35.2'	57°50.0'
6	70°58.8'	54°26.3'	50°17.0'	46°36.0'	80°54.7'	94°04.8'	57°31.8'
7	71°31.6'	55°01.5'	49°41.8'	46°01.4'	80°19.3'	93°34.5'	57°13.8'
8	72°04.4'	55°36.6'	49°06.6'	45°26.8'	79°44.0'	93°04.2'	56°55.9'
9	72°37.2'	56°11.7'	48°31.5'	44°52.3'	79°08.7'	92°33.9'	56°38.3'
10	73°09.9'	56°46.7'	47°56.4'	44°17.8'	78°33.4'	92°03.7'	56°20.9'
11	73°42.5'	57°21.7'	47°21.3'	43°43.4'	77°58.2'	91°33.4'	56°03.6'
12	74°15.1'	57°56.7'	46°46.3'	43°09.1'	77°23.0'	91°03.3'	55°46.6'
13	74°47.7'	58°31.6'	46°11.4'	42°34.8'	76°47.9'	90°33.1'	55°29.8'
14	75°20.2'	59°06.5'	45°36.4'	42°00.5'	76°12.8'	90°03.0'	55°13.1'
15	75°52.7'	59°41.3'	45°01.5'	41°26.3'	75°37.7'	89°32.9'	54°56.7'
16	76°25.2'	60°16.1'	44°26.7'	40°52.2'	75°02.7'	89°02.9'	54°40.5'
17	76°57.6'	60°50.9'	43°51.9'	40°18.1'	74°27.7'	88°32.9'	54°24.6'
18	77°30.0'	61°25.6'	43°17.1'	39°44.1'	73°52.8'	88°02.9'	54°08.8'
19	78°02.3'	62°00.3'	42°42.4'	39°10.1'	73°17.9'	87°33.0'	53°53.2'
20	78°34.6'	62°35.0'	42°07.7'	38°36.2'	72°43.0'	87°03.1'	53°37.9'
21	79°06.9'	63°09.6'	41°33.1'	38°02.3'	72°08.2'	86°33.2'	53°22.8'
22	79°39.1'	63°44.2'	40°58.5'	37°28.6'	71°33.4'	86°03.4'	53°08.0'
23	80°11.3'	64°18.7'	40°23.9'	36°54.8'	70°58.6'	85°33.6'	52°53.3'

Wed Aug 7, 2019 UTC

UTC	+Sun Lunar Dist.	-Jupiter Lunar Dist.	-Antares Lunar Dist.	+Regulus Lunar Dist.	-Saturn Lunar Dist.	+Spica Lunar Dist.	-Altair Lunar Dist.
0	80°43.4'	39°49.4'	36°21.2'	64°53.2'	70°23.9'	12°53.8'	85°03.9'
1	81°15.5'	39°14.9'	35°47.6'	65°27.6'	69°49.3'	13°22.5'	84°34.2'
2	81°47.6'	38°40.5'	35°14.0'	66°02.1'	69°14.7'	13°51.6'	84°04.5'
3	82°19.6'	38°06.1'	34°40.6'	66°36.4'	68°40.1'	14°21.1'	83°34.9'
4	82°51.6'	37°31.8'	34°07.1'	67°10.8'	68°05.5'	14°50.9'	83°05.3'
5	83°23.5'	36°57.5'	33°33.8'	67°45.1'	67°31.0'	15°20.9'	82°35.8'
6	83°55.4'	36°23.2'	33°00.5'	68°19.3'	66°56.6'	15°51.2'	82°06.3'
7	84°27.3'	35°49.0'	32°27.3'	68°53.6'	66°22.1'	16°21.7'	81°36.9'
8	84°59.1'	35°14.8'	31°54.2'	69°27.7'	65°47.7'	16°52.5'	81°07.5'
9	85°30.9'	34°40.6'	31°21.1'	70°01.9'	65°13.4'	17°23.4'	80°38.2'
10	86°02.6'	34°06.5'	30°48.2'	70°36.0'	64°39.1'	17°54.4'	80°08.9'
11	86°34.4'	33°32.5'	30°15.2'	71°10.1'	64°04.8'	18°25.6'	79°39.7'
12	87°06.0'	32°58.5'	29°42.4'	71°44.1'	63°30.6'	18°56.9'	79°10.5'
13	87°37.7'	32°24.5'	29°09.7'	72°18.1'	62°56.4'	19°28.4'	78°41.3'
14	88°09.2'	31°50.6'	28°37.0'	72°52.0'	62°22.2'	19°59.9'	78°12.2'
15	88°40.8'	31°16.7'	28°04.4'	73°26.0'	61°48.1'	20°31.6'	77°43.2'
16	89°12.3'	30°42.8'	27°31.9'	73°59.8'	61°14.0'	21°03.3'	77°14.2'
17	89°43.8'	30°09.0'	26°59.5'	74°33.7'	60°40.0'	21°35.1'	76°45.3'
18	90°15.2'	29°35.3'	26°27.2'	75°07.5'	60°06.0'	22°06.9'	76°16.4'
19	90°46.6'	29°01.5'	25°55.0'	75°41.3'	59°32.0'	22°38.8'	75°47.6'
20	91°18.0'	28°27.9'	25°22.9'	76°15.0'	58°58.1'	23°10.8'	75°18.8'
21	91°49.3'	27°54.2'	24°50.9'	76°48.7'	58°24.2'	23°42.8'	74°50.1'
22	92°20.6'	27°20.6'	24°19.0'	77°22.3'	57°50.4'	24°14.8'	74°21.4'
23	92°51.9'	26°47.1'	23°47.2'	77°55.9'	57°16.5'	24°46.9'	73°52.8'

Thu Aug 8, 2019 UTC

UTC	+Sun Lunar Dist.	-Jupiter Lunar Dist.	+Spica Lunar Dist.	-Antares Lunar Dist.	-Saturn Lunar Dist.	-Formalhaut Lunar Dist.	-Altair Lunar Dist.
0	93°23.1'	26°13.6'	25°19.0'	23°15.6'	56°42.8'	106°06.5'	73°24.3'
1	93°54.2'	25°40.1'	25°51.1'	22°44.0'	56°09.0'	105°34.6'	72°55.8'
2	94°25.4'	25°06.7'	26°23.3'	22°12.6'	55°35.3'	105°02.6'	72°27.4'
3	94°56.5'	24°33.3'	26°55.4'	21°41.3'	55°01.7'	104°30.7'	71°59.0'
4	95°27.6'	23°60.0'	27°27.6'	21°10.2'	54°28.0'	103°58.9'	71°30.7'
5	95°58.6'	23°26.7'	27°59.8'	20°39.2'	53°54.4'	103°27.0'	71°02.5'
6	96°29.6'	22°53.4'	28°32.0'	20°08.4'	53°20.9'	102°55.2'	70°34.3'
7	97°00.5'	22°20.2'	29°04.2'	19°37.7'	52°47.4'	102°23.4'	70°06.2'
8	97°31.5'	21°47.1'	29°36.4'	19°07.3'	52°13.9'	101°51.6'	69°38.2'
9	98°02.3'	21°14.0'	30°08.6'	18°37.0'	51°40.4'	101°19.9'	69°10.2'
10	98°33.2'	20°40.9'	30°40.9'	18°06.9'	51°07.0'	100°48.2'	68°42.3'
11	99°04.0'	20°07.9'	31°13.1'	17°37.0'	50°33.6'	100°16.5'	68°14.4'
12	99°34.8'	19°35.0'	31°45.3'	17°07.4'	50°00.3'	99°44.9'	67°46.6'
13	100°05.5'	19°02.0'	32°17.5'	16°38.0'	49°27.0'	99°13.2'	67°18.9'
14	100°36.2'	18°29.2'	32°49.7'	16°08.9'	48°53.7'	98°41.7'	66°51.3'
15	101°06.9'	17°56.4'	33°21.9'	15°40.1'	48°20.5'	98°10.1'	66°23.7'
16	101°37.5'	17°23.6'	33°54.1'	15°11.5'	47°47.3'	97°38.6'	65°56.2'
17	102°08.1'	16°50.9'	34°26.3'	14°43.3'	47°14.1'	97°07.0'	65°28.8'
18	102°38.7'	16°18.3'	34°58.4'	14°15.5'	46°41.0'	96°35.6'	65°01.4'
19	103°09.2'	15°45.7'	35°30.6'	13°48.1'	46°07.9'	96°04.1'	64°34.1'
20	103°39.7'	15°13.1'	36°02.7'	13°21.1'	45°34.8'	95°32.7'	64°06.9'
21	104°10.2'	14°40.7'	36°34.9'	12°54.6'	45°01.8'	95°01.3'	63°39.8'
22	104°40.6'	14°08.3'	37°07.0'	12°28.7'	44°28.8'	94°29.9'	63°12.7'
23	105°11.0'	13°36.0'	37°39.1'	12°03.3'	43°55.8'	93°58.6'	62°45.8'

Fri Aug 9, 2019 UTC

UTC	+Sun Lunar Dist.	-Jupiter Lunar Dist.	-Saturn Lunar Dist.	+Spica Lunar Dist.	-Antares Lunar Dist.	-Formalhaut Lunar Dist.	+Arcturus Lunar Dist.
0	105°41.4'	13°03.7'	43°22.9'	38°11.2'	11°38.5'	93°27.3'	44°21.6'
1	106°11.7'	12°31.5'	42°50.0'	38°43.3'	11°14.4'	92°56.0'	44°47.4'
2	106°42.0'	11°59.5'	42°17.1'	39°15.3'	-	92°24.8'	45°13.4'
3	107°12.3'	11°27.5'	41°44.3'	39°47.4'	-	91°53.6'	45°39.4'
4	107°42.5'	10°55.6'	41°11.5'	40°19.4'	-	91°22.4'	46°05.5'
5	108°12.7'	10°23.8'	40°38.7'	40°51.4'	-	90°51.2'	46°31.7'
6	108°42.9'	9°52.1'	40°06.0'	41°23.4'	-	90°20.1'	46°58.0'
7	109°13.0'	9°20.6'	39°33.3'	41°55.4'	-	89°49.0'	47°24.3'
8	109°43.1'	8°49.3'	39°00.6'	42°27.3'	-	89°18.0'	47°50.8'
9	110°13.2'	8°18.1'	38°27.9'	42°59.3'	-	88°46.9'	48°17.3'
10	110°43.3'	7°47.1'	37°55.3'	43°31.2'	-	88°15.9'	48°43.8'
11	111°13.3'	7°16.4'	37°22.7'	44°03.1'	-	87°44.9'	49°10.4'
12	111°43.3'	6°46.0'	36°50.2'	44°34.9'	-	87°14.0'	49°37.1'
13	112°13.2'	6°16.0'	36°17.7'	45°06.8'	-	86°43.1'	50°03.8'
14	112°43.1'	5°46.4'	35°45.2'	45°38.6'	-	86°12.2'	50°30.6'
15	113°13.0'	5°17.3'	35°12.7'	46°10.5'	-	85°41.4'	50°57.5'
16	113°42.9'	-	34°40.3'	46°42.2'	-	85°10.5'	51°24.4'
17	114°12.7'	-	34°07.9'	47°14.0'	-	84°39.7'	51°51.3'
18	114°42.5'	-	33°35.5'	47°45.8'	-	84°09.0'	52°18.3'
19	115°12.3'	-	33°03.2'	48°17.5'	-	83°38.3'	52°45.4'
20	115°42.0'	-	32°30.9'	48°49.2'	-	83°07.6'	53°12.4'
21	116°11.7'	-	31°58.6'	49°20.9'	-	82°36.9'	53°39.6'
22	116°41.4'	-	31°26.3'	49°52.6'	-	82°06.2'	54°06.7'
23	117°11.1'	-	30°54.1'	50°24.2'	-	81°35.6'	54°33.9'

Sat Aug 10, 2019 UTC

UTC	+Sun Lunar Dist.	-Saturn Lunar Dist.	+Spica Lunar Dist.	-Formalhaut Lunar Dist.	+Arcturus Lunar Dist.	-Altair Lunar Dist.	-Achernar Lunar Dist.
0	117°40.7'	30°21.9'	50°55.9'	81°05.1'	55°01.1'	52°00.6'	92°49.2'
1	118°10.3'	29°49.7'	51°27.5'	80°34.5'	55°28.4'	51°36.2'	92°30.8'
2	118°39.8'	29°17.6'	51°59.1'	80°04.0'	55°55.7'	51°11.8'	92°12.4'
3	119°09.4'	28°45.5'	52°30.6'	79°33.5'	56°23.0'	50°47.6'	91°54.0'
4	119°38.9'	28°13.4'	53°02.2'	79°03.1'	56°50.4'	50°23.5'	91°35.7'
5	120°08.4'	27°41.3'	53°33.7'	78°32.7'	57°17.8'	49°59.6'	91°17.3'
6	120°37.8'	27°09.3'	54°05.2'	78°02.3'	57°45.2'	49°35.7'	90°58.9'
7	121°07.3'	26°37.3'	54°36.7'	77°31.9'	58°12.6'	49°12.0'	90°40.6'
8	121°36.7'	26°05.3'	55°08.1'	77°01.6'	58°40.1'	48°48.5'	90°22.2'
9	122°06.0'	25°33.4'	55°39.6'	76°31.3'	59°07.6'	48°25.0'	90°03.9'
10	122°35.4'	25°01.4'	56°11.0'	76°01.0'	59°35.1'	48°01.8'	89°45.6'
11	123°04.7'	24°29.5'	56°42.4'	75°30.8'	60°02.6'	47°38.6'	89°27.3'
12	123°34.0'	23°57.7'	57°13.7'	75°00.6'	60°30.2'	47°15.6'	89°09.1'
13	124°03.2'	23°25.8'	57°45.1'	74°30.4'	60°57.7'	46°52.7'	88°50.8'
14	124°32.5'	22°54.0'	58°16.4'	74°00.3'	61°25.3'	46°30.0'	88°32.6'
15	125°01.7'	22°22.2'	58°47.7'	73°30.2'	61°52.9'	46°07.5'	88°14.3'
16	125°30.9'	21°50.4'	59°19.0'	73°00.1'	62°20.5'	45°45.1'	87°56.1'
17	126°00.1'	21°18.7'	59°50.3'	72°30.1'	62°48.1'	45°22.9'	87°38.0'
18	126°29.2'	20°47.0'	60°21.5'	72°00.1'	63°15.8'	45°00.8'	87°19.8'
19	126°58.3'	20°15.3'	60°52.8'	71°30.1'	63°43.4'	44°38.9'	87°01.7'
20	127°27.4'	19°43.6'	61°24.0'	71°00.2'	64°11.1'	44°17.1'	86°43.6'
21	127°56.5'	19°11.9'	61°55.2'	70°30.3'	64°38.8'	43°55.6'	86°25.5'
22	128°25.5'	18°40.3'	62°26.3'	70°00.4'	65°06.5'	43°34.2'	86°07.4'
23	128°54.5'	18°08.7'	62°57.5'	69°30.5'	65°34.2'	43°13.0'	85°49.4'

Sun Aug 11, 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	17°37.1'	13°02.7'	18°33.4'	63°28.6'	69°00.7'	66°01.9'	42°52.0'
1	17°05.6'	13°33.6'	19°01.9'	63°59.7'	68°31.0'	66°29.6'	42°31.1'
2	16°34.1'	14°04.5'	19°30.6'	64°30.8'	68°01.2'	66°57.3'	42°10.5'
3	16°02.6'	14°35.4'	19°59.4'	65°01.9'	67°31.5'	67°25.0'	41°50.0'
4	15°31.1'	15°06.4'	20°28.2'	65°32.9'	67°01.8'	67°52.8'	41°29.8'
5	14°59.6'	15°37.3'	20°57.2'	66°03.9'	66°32.2'	68°20.5'	41°09.7'
6	14°28.2'	16°08.2'	21°26.3'	66°34.9'	66°02.6'	68°48.3'	40°49.9'
7	13°56.8'	16°39.1'	21°55.4'	67°05.9'	65°33.0'	69°16.0'	40°30.3'
8	13°25.4'	17°10.1'	22°24.6'	67°36.9'	65°03.5'	69°43.7'	40°10.9'
9	12°54.0'	17°41.0'	22°53.9'	68°07.8'	64°34.0'	70°11.5'	39°51.7'
10	12°22.6'	18°11.9'	23°23.2'	68°38.7'	64°04.5'	70°39.3'	39°32.7'
11	11°51.3'	18°42.8'	23°52.6'	69°09.7'	63°35.1'	71°07.0'	39°14.0'
12	11°20.0'	19°13.7'	24°22.0'	69°40.5'	63°05.7'	71°34.8'	38°55.5'
13	10°48.7'	19°44.6'	24°51.5'	70°11.4'	62°36.3'	72°02.5'	38°37.2'
14	10°17.4'	20°15.5'	25°21.0'	70°42.3'	62°07.0'	72°30.3'	38°19.2'
15	9°46.2'	20°46.4'	25°50.6'	71°13.1'	61°37.7'	72°58.0'	38°01.5'
16	9°15.0'	21°17.3'	26°20.2'	71°43.9'	61°08.4'	73°25.8'	37°44.0'
17	8°43.8'	21°48.1'	26°49.8'	72°14.7'	60°39.2'	73°53.5'	37°26.7'
18	8°12.6'	22°19.0'	27°19.5'	72°45.5'	60°10.1'	74°21.3'	37°09.8'
19	7°41.4'	22°49.8'	27°49.2'	73°16.2'	59°40.9'	74°49.0'	36°53.1'
20	7°10.3'	23°20.6'	28°18.9'	73°47.0'	59°11.8'	75°16.8'	36°36.6'
21	6°39.2'	23°51.5'	28°48.6'	74°17.7'	58°42.8'	75°44.5'	36°20.5'
22	6°08.1'	24°22.2'	29°18.4'	74°48.4'	58°13.7'	76°12.3'	36°04.6'
23	5°37.0'	24°53.0'	29°48.2'	75°19.1'	57°44.7'	76°40.0'	35°49.1'

Mon Aug 12, 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	5°05.9'	25°23.8'	30°18.0'	57°15.8'	75°49.8'	77°07.7'	60°33.5'
1	4°34.9'	25°54.6'	30°47.8'	56°46.9'	76°20.4'	77°35.5'	60°49.5'
2	4°03.8'	26°25.3'	31°17.6'	56°18.0'	76°51.0'	78°03.2'	61°05.6'
3	3°32.8'	26°56.0'	31°47.4'	55°49.2'	77°21.6'	78°30.9'	61°21.8'
4	3°01.8'	27°26.8'	32°17.3'	55°20.4'	77°52.2'	78°58.6'	61°38.1'
5	2°30.9'	27°57.5'	32°47.1'	54°51.7'	78°22.8'	79°26.3'	61°54.5'
6	1°59.9'	28°28.2'	33°17.0'	54°23.0'	78°53.4'	79°54.0'	62°11.0'
7	1°29.0'	28°58.8'	33°46.9'	53°54.4'	79°23.9'	80°21.7'	62°27.6'
8	58.1'	29°29.5'	34°16.8'	53°25.7'	79°54.5'	80°49.4'	62°44.3'
9	−	30°00.1'	34°46.6'	52°57.2'	80°25.0'	81°17.1'	63°01.1'
10	−	30°30.8'	35°16.5'	52°28.7'	80°55.5'	81°44.7'	63°18.0'
11	34.7'	31°01.4'	35°46.4'	52°00.2'	81°25.9'	82°12.4'	63°34.9'
12	1°05.5'	31°32.0'	36°16.3'	51°31.8'	81°56.4'	82°40.1'	63°52.0'
13	1°36.3'	32°02.6'	36°46.2'	51°03.4'	82°26.9'	83°07.7'	64°09.1'
14	2°07.1'	32°33.1'	37°16.1'	50°35.1'	82°57.3'	83°35.3'	64°26.3'
15	2°37.9'	33°03.7'	37°46.0'	50°06.8'	83°27.7'	84°03.0'	64°43.6'
16	3°08.6'	33°34.2'	38°15.9'	49°38.6'	83°58.1'	84°30.6'	65°01.0'
17	3°39.4'	34°04.8'	38°45.9'	49°10.4'	84°28.5'	84°58.2'	65°18.4'
18	4°10.1'	34°35.3'	39°15.8'	48°42.2'	84°58.8'	85°25.8'	65°35.9'
19	4°40.9'	35°05.8'	39°45.7'	48°14.2'	85°29.2'	85°53.3'	65°53.5'
20	5°11.6'	35°36.3'	40°15.6'	47°46.1'	85°59.5'	86°20.9'	66°11.2'
21	5°42.3'	36°06.7'	40°45.5'	47°18.2'	86°29.8'	86°48.5'	66°28.9'
22	6°12.9'	36°37.2'	41°15.4'	46°50.3'	87°00.1'	87°16.0'	66°46.7'
23	6°43.6'	37°07.6'	41°45.3'	46°22.4'	87°30.4'	87°43.6'	67°04.6'

Tue Aug 13, 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	7°14.3'	37°38.1'	42°15.1'	45°54.6'	88°00.7'	88°11.1'	62°59.9'
1	7°44.9'	38°08.5'	42°45.0'	45°26.9'	88°31.0'	88°38.6'	63°17.7'
2	8°15.5'	38°38.9'	43°14.9'	44°59.2'	89°01.2'	89°06.1'	63°35.7'
3	8°46.1'	39°09.3'	43°44.8'	44°31.6'	89°31.4'	89°33.6'	63°53.7'
4	9°16.7'	39°39.6'	44°14.7'	44°04.0'	90°01.6'	90°01.1'	64°11.7'
5	9°47.2'	40°10.0'	44°44.6'	43°36.5'	90°31.8'	90°28.5'	64°29.9'
6	10°17.8'	40°40.4'	45°14.4'	43°09.1'	91°02.0'	90°56.0'	64°48.1'
7	10°48.3'	41°10.7'	45°44.3'	42°41.8'	91°32.2'	91°23.4'	65°06.4'
8	11°18.9'	41°41.0'	46°14.2'	42°14.5'	92°02.3'	91°50.8'	65°24.8'
9	11°49.4'	42°11.3'	46°44.0'	41°47.3'	92°32.5'	92°18.2'	65°43.2'
10	12°19.9'	42°41.6'	47°13.9'	41°20.1'	93°02.6'	92°45.6'	66°01.7'
11	12°50.4'	43°11.9'	47°43.7'	40°53.1'	93°32.7'	93°13.0'	66°20.3'
12	13°20.8'	43°42.1'	48°13.5'	40°26.1'	94°02.8'	93°40.3'	66°39.0'
13	13°51.3'	44°12.4'	48°43.4'	39°59.2'	94°32.9'	94°07.7'	66°57.7'
14	14°21.7'	44°42.6'	49°13.2'	39°32.3'	95°03.0'	94°35.0'	67°16.4'
15	14°52.1'	45°12.9'	49°43.0'	39°05.6'	95°33.0'	95°02.3'	67°35.2'
16	15°22.6'	45°43.1'	50°12.8'	38°38.9'	96°03.0'	95°29.6'	67°54.1'
17	15°53.0'	46°13.3'	50°42.6'	38°12.3'	96°33.1'	95°56.9'	68°13.1'
18	16°23.3'	46°43.5'	51°12.4'	37°45.9'	97°03.1'	96°24.1'	68°32.1'
19	16°53.7'	47°13.6'	51°42.2'	37°19.5'	97°33.1'	96°51.4'	68°51.1'
20	17°24.1'	47°43.8'	52°12.0'	36°53.2'	98°03.1'	97°18.6'	69°10.2'
21	17°54.4'	48°14.0'	52°41.8'	36°27.0'	98°33.0'	97°45.8'	69°29.4'
22	18°24.8'	48°44.1'	53°11.6'	36°00.9'	99°03.0'	98°13.0'	69°48.6'
23	18°55.1'	49°14.2'	53°41.3'	35°34.9'	99°33.0'	98°40.1'	70°07.9'

Wed Aug 14, 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	19°25.4'	49°44.3'	54°11.1'	35°09.0'	100°02.9'	99°07.3'	70°27.2'
1	19°55.7'	50°14.4'	54°40.9'	34°43.2'	100°32.8'	99°34.4'	70°46.5'
2	20°26.0'	50°44.5'	55°10.6'	34°17.6'	101°02.7'	100°01.5'	71°05.9'
3	20°56.2'	51°14.6'	55°40.4'	33°52.0'	101°32.6'	100°28.6'	71°25.4'
4	21°26.5'	51°44.7'	56°10.1'	33°26.6'	102°02.5'	100°55.7'	71°44.9'
5	21°56.7'	52°14.7'	56°39.8'	33°01.3'	102°32.4'	101°22.7'	72°04.4'
6	22°27.0'	52°44.8'	57°09.5'	32°36.2'	103°02.2'	101°49.8'	72°24.0'
7	22°57.2'	53°14.8'	57°39.2'	32°11.1'	103°32.1'	102°16.8'	72°43.6'
8	23°27.4'	53°44.8'	58°08.9'	31°46.2'	104°01.9'	102°43.8'	73°03.3'
9	23°57.6'	54°14.8'	58°38.6'	31°21.5'	104°31.7'	103°10.7'	73°23.0'
10	24°27.8'	54°44.8'	59°08.3'	30°56.9'	105°01.5'	103°37.7'	73°42.7'
11	24°58.0'	55°14.8'	59°38.0'	30°32.5'	105°31.3'	104°04.6'	74°02.5'
12	25°28.1'	55°44.8'	60°07.7'	30°08.2'	106°01.1'	104°31.5'	74°22.3'
13	25°58.3'	56°14.8'	60°37.4'	29°44.1'	106°30.9'	104°58.3'	74°42.1'
14	26°28.5'	56°44.7'	61°07.0'	29°20.2'	107°00.6'	105°25.2'	75°02.0'
15	26°58.6'	57°14.7'	61°36.7'	28°56.4'	107°30.4'	105°52.0'	75°21.9'
16	27°28.7'	57°44.6'	62°06.3'	28°32.9'	108°00.1'	106°18.8'	75°41.8'
17	27°58.8'	58°14.5'	62°36.0'	28°09.5'	108°29.8'	106°45.6'	76°01.8'
18	28°28.9'	58°44.4'	63°05.6'	27°46.3'	108°59.5'	107°12.3'	76°21.8'
19	28°59.0'	59°14.3'	63°35.2'	27°23.4'	109°29.2'	107°39.0'	76°41.8'
20	29°29.1'	59°44.2'	64°04.8'	27°00.7'	109°58.9'	108°05.7'	77°01.9'
21	29°59.2'	60°14.1'	64°34.5'	26°38.2'	110°28.6'	108°32.4'	77°22.0'
22	30°29.2'	60°44.0'	65°04.1'	26°15.9'	110°58.3'	108°59.1'	77°42.1'
23	30°59.3'	61°13.9'	65°33.7'	25°53.9'	111°27.9'	109°25.7'	78°02.2'

Thu Aug 15, 2019 UTC

UTC	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.	-Aldebaran Lunar Dist.	+Spica Lunar Dist.	+Arcturus Lunar Dist.
0	31°29.3'	61°43.7'	66°03.2'	25°32.1'	113°27.4'	111°57.6'	109°52.3'
1	31°59.4'	62°13.6'	66°32.8'	25°10.6'	112°57.5'	112°27.2'	110°18.8'
2	32°29.4'	62°43.4'	67°02.4'	24°49.4'	112°27.6'	112°56.8'	110°45.3'
3	32°59.4'	63°13.2'	67°32.0'	24°28.4'	111°57.7'	113°26.4'	111°11.8'
4	33°29.4'	63°43.0'	68°01.5'	24°07.8'	111°27.9'	113°56.0'	111°38.3'
5	33°59.4'	64°12.8'	68°31.1'	23°47.5'	110°58.1'	114°25.6'	112°04.8'
6	34°29.4'	64°42.6'	69°00.7'	23°27.5'	110°28.2'	114°55.2'	112°31.2'
7	34°59.4'	65°12.4'	69°30.2'	23°07.9'	109°58.4'	115°24.7'	112°57.5'
8	35°29.3'	65°42.2'	69°59.7'	22°48.6'	109°28.6'	115°54.3'	113°23.9'
9	35°59.3'	66°12.0'	70°29.3'	22°29.6'	108°58.8'	116°23.8'	113°50.2'
10	36°29.2'	66°41.8'	70°58.8'	22°11.1'	108°29.0'	116°53.4'	114°16.5'
11	36°59.2'	67°11.5'	71°28.3'	21°52.9'	107°59.2'	117°22.9'	114°42.7'
12	37°29.1'	67°41.3'	71°57.8'	21°35.2'	107°29.4'	117°52.4'	115°08.9'
13	37°59.0'	68°11.0'	72°27.3'	21°17.9'	106°59.6'	118°21.9'	115°35.1'
14	38°28.9'	68°40.7'	72°56.8'	21°01.1'	106°29.9'	118°51.4'	116°01.3'
15	38°58.9'	69°10.5'	73°26.3'	20°44.7'	106°00.1'	119°20.9'	116°27.4'
16	39°28.8'	69°40.2'	73°55.8'	20°28.8'	105°30.4'	119°50.3'	116°53.4'
17	39°58.7'	70°09.9'	74°25.3'	20°13.4'	105°00.6'	120°19.8'	117°19.5'
18	40°28.5'	70°39.6'	74°54.8'	19°58.5'	104°30.9'	120°49.2'	117°45.5'
19	40°58.4'	71°09.3'	75°24.2'	19°44.2'	104°01.1'	121°18.7'	118°11.4'
20	41°28.3'	71°39.0'	75°53.7'	19°30.5'	103°31.4'	121°48.1'	118°37.3'
21	41°58.2'	72°08.6'	76°23.1'	19°17.3'	103°01.7'	122°17.5'	119°03.2'
22	42°28.0'	72°38.3'	76°52.6'	19°04.7'	102°32.0'	122°46.9'	119°29.0'
23	42°57.9'	73°08.0'	77°22.0'	18°52.7'	102°02.3'	123°16.3'	119°54.8'

Fri Aug 16, 2019 UTC

UTC	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	−Rigel Lunar Dist.	−Capella Lunar Dist.
0	43°27.7'	73°37.6'	77°51.5'	101°32.6'	118°27.8'	104°19.8'	113°24.7'
1	43°57.5'	74°07.3'	78°20.9'	101°02.9'	117°59.2'	103°53.9'	112°58.4'
2	44°27.4'	74°36.9'	78°50.3'	100°33.2'	117°30.7'	103°28.0'	112°31.9'
3	44°57.2'	75°06.6'	79°19.8'	100°03.6'	117°02.2'	103°02.1'	112°05.5'
4	45°27.0'	75°36.2'	79°49.2'	99°33.9'	116°33.7'	102°36.2'	111°39.1'
5	45°56.8'	76°05.8'	80°18.6'	99°04.2'	116°05.1'	102°10.3'	111°12.6'
6	46°26.6'	76°35.4'	80°48.0'	98°34.6'	115°36.6'	101°44.3'	110°46.2'
7	46°56.4'	77°05.0'	81°17.4'	98°04.9'	115°08.1'	101°18.4'	110°19.7'
8	47°26.2'	77°34.6'	81°46.8'	97°35.3'	114°39.5'	100°52.5'	109°53.2'
9	47°56.0'	78°04.2'	82°16.2'	97°05.6'	114°11.0'	100°26.5'	109°26.6'
10	48°25.8'	78°33.8'	82°45.6'	96°36.0'	113°42.4'	100°00.5'	109°00.1'
11	48°55.6'	79°03.4'	83°15.0'	96°06.4'	113°13.9'	99°34.6'	108°33.6'
12	49°25.3'	79°33.0'	83°44.3'	95°36.8'	112°45.3'	99°08.6'	108°07.0'
13	49°55.1'	80°02.6'	84°13.7'	95°07.1'	112°16.8'	98°42.6'	107°40.5'
14	50°24.9'	80°32.2'	84°43.1'	94°37.5'	111°48.2'	98°16.6'	107°13.9'
15	50°54.6'	81°01.7'	85°12.5'	94°07.9'	111°19.6'	97°50.7'	106°47.3'
16	51°24.4'	81°31.3'	85°41.8'	93°38.3'	110°51.1'	97°24.7'	106°20.7'
17	51°54.1'	82°00.9'	86°11.2'	93°08.7'	110°22.5'	96°58.7'	105°54.1'
18	52°23.8'	82°30.4'	86°40.5'	92°39.1'	109°53.9'	96°32.7'	105°27.5'
19	52°53.6'	82°60.0'	87°09.9'	92°09.5'	109°25.4'	96°06.7'	105°00.8'
20	53°23.3'	83°29.5'	87°39.2'	91°39.9'	108°56.8'	95°40.7'	104°34.2'
21	53°53.0'	83°59.0'	88°08.6'	91°10.4'	108°28.2'	95°14.7'	104°07.5'
22	54°22.8'	84°28.6'	88°37.9'	90°40.8'	107°59.6'	94°48.7'	103°40.9'
23	54°52.5'	84°58.1'	89°07.2'	90°11.2'	107°31.1'	94°22.7'	103°14.2'

Sat Aug 17, 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	55°22.2'	85°27.6'	89°41.6'	89°36.6'	107°02.5'	49°23.0'	93°56.7'
1	55°51.9'	85°57.2'	89°12.1'	90°05.9'	106°33.9'	49°45.1'	93°30.6'
2	56°21.6'	86°26.7'	88°42.5'	90°35.2'	106°05.3'	50°07.2'	93°04.6'
3	56°51.3'	86°56.2'	88°12.9'	91°04.5'	105°36.7'	50°29.4'	92°38.6'
4	57°21.0'	87°25.7'	87°43.4'	91°33.9'	105°08.1'	50°51.8'	92°12.6'
5	57°50.7'	87°55.2'	87°13.8'	92°03.2'	104°39.6'	51°14.2'	91°46.6'
6	58°20.4'	88°24.7'	86°44.3'	92°32.5'	104°11.0'	51°36.7'	91°20.6'
7	58°50.1'	88°54.2'	86°14.7'	93°01.8'	103°42.4'	51°59.2'	90°54.6'
8	59°19.8'	89°23.7'	85°45.2'	93°31.1'	103°13.8'	52°21.9'	90°28.6'
9	59°49.5'	89°53.2'	85°15.6'	94°00.4'	102°45.2'	52°44.6'	90°02.6'
10	60°19.2'	90°22.7'	84°46.1'	94°29.7'	102°16.6'	53°07.5'	89°36.6'
11	60°48.9'	90°52.2'	84°16.5'	94°59.0'	101°48.0'	53°30.3'	89°10.6'
12	61°18.6'	91°21.7'	83°47.0'	95°28.3'	101°19.4'	53°53.3'	88°44.6'
13	61°48.3'	91°51.2'	83°17.4'	95°57.6'	100°50.8'	54°16.3'	88°18.6'
14	62°17.9'	92°20.7'	82°47.9'	96°26.9'	100°22.2'	54°39.4'	87°52.6'
15	62°47.6'	92°50.2'	82°18.4'	96°56.2'	99°53.5'	55°02.6'	87°26.6'
16	63°17.3'	93°19.7'	81°48.8'	97°25.5'	99°24.9'	55°25.9'	87°00.6'
17	63°47.0'	93°49.2'	81°19.3'	97°54.8'	98°56.3'	55°49.2'	86°34.6'
18	64°16.7'	94°18.7'	80°49.8'	98°24.1'	98°27.7'	56°12.5'	86°08.7'
19	64°46.3'	94°48.2'	80°20.2'	98°53.4'	97°59.1'	56°36.0'	85°42.7'
20	65°16.0'	95°17.6'	79°50.7'	99°22.7'	97°30.5'	56°59.5'	85°16.7'
21	65°45.7'	95°47.1'	79°21.2'	99°51.9'	97°01.9'	57°23.0'	84°50.7'
22	66°15.4'	96°16.6'	78°51.6'	100°21.2'	96°33.2'	57°46.6'	84°24.8'
23	66°45.0'	96°46.1'	78°22.1'	100°50.5'	96°04.6'	58°10.3'	83°58.8'

Sun Aug 18, 2019 UTC

UTC	+Saturn Lunar Dist.	-Aldebaran Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	+Formalhaut Lunar Dist.
0	67°14.7'	77°52.6'	97°15.6'	101°19.8'	95°36.0'	58°34.0'	23°47.0'
1	67°44.4'	77°23.0'	97°45.1'	101°49.1'	95°07.4'	58°57.8'	24°07.1'
2	68°14.1'	76°53.5'	98°14.5'	102°18.4'	94°38.7'	59°21.7'	24°27.5'
3	68°43.7'	76°24.0'	98°44.0'	102°47.7'	94°10.1'	59°45.5'	24°48.2'
4	69°13.4'	75°54.4'	99°13.5'	103°16.9'	93°41.5'	60°09.5'	25°09.2'
5	69°43.1'	75°24.9'	99°43.0'	103°46.2'	93°12.8'	60°33.5'	25°30.4'
6	70°12.8'	74°55.4'	100°12.5'	104°15.5'	92°44.2'	60°57.5'	25°51.9'
7	70°42.5'	74°25.8'	100°42.0'	104°44.8'	92°15.6'	61°21.6'	26°13.7'
8	71°12.1'	73°56.3'	101°11.5'	105°14.1'	91°46.9'	61°45.8'	26°35.6'
9	71°41.8'	73°26.7'	101°41.0'	105°43.4'	91°18.3'	62°09.9'	26°57.8'
10	72°11.5'	72°57.2'	102°10.5'	106°12.7'	90°49.6'	62°34.2'	27°20.2'
11	72°41.2'	72°27.6'	102°39.9'	106°41.9'	90°21.0'	62°58.5'	27°42.9'
12	73°10.9'	71°58.1'	103°09.4'	107°11.2'	89°52.3'	63°22.8'	28°05.7'
13	73°40.6'	71°28.5'	103°38.9'	107°40.5'	89°23.7'	63°47.1'	28°28.7'
14	74°10.3'	70°59.0'	104°08.5'	108°09.8'	88°55.0'	64°11.6'	28°51.9'
15	74°40.0'	70°29.4'	104°38.0'	108°39.1'	88°26.3'	64°36.0'	29°15.3'
16	75°09.7'	69°59.9'	105°07.5'	109°08.4'	87°57.7'	65°00.5'	29°38.8'
17	75°39.4'	69°30.3'	105°37.0'	109°37.7'	87°29.0'	65°25.0'	30°02.6'
18	76°09.1'	69°00.7'	106°06.5'	110°07.0'	87°00.3'	65°49.6'	30°26.4'
19	76°38.8'	68°31.1'	106°36.0'	110°36.3'	86°31.7'	66°14.2'	30°50.5'
20	77°08.6'	68°01.6'	107°05.5'	111°05.6'	86°03.0'	66°38.9'	31°14.7'
21	77°38.3'	67°32.0'	107°35.1'	111°34.9'	85°34.3'	67°03.5'	31°39.0'
22	78°08.0'	67°02.4'	108°04.6'	112°04.2'	85°05.6'	67°28.3'	32°03.4'
23	78°37.8'	66°32.8'	108°34.1'	112°33.5'	84°37.0'	67°53.0'	32°28.0'

Mon Aug 19, 2019 UTC

UTC	-Aldebaran Lunar Dist.	+Saturn Lunar Dist.	+Formalhaut Lunar Dist.	-Betelgeuse Lunar Dist.	-Capella Lunar Dist.	+Jupiter Lunar Dist.	-Pollux Lunar Dist.
0	66°03.2'	79°07.5'	32°52.7'	84°08.3'	81°22.3'	109°03.7'	110°11.4'
1	65°33.6'	79°37.2'	33°17.6'	83°39.6'	80°55.5'	109°33.2'	109°41.9'
2	65°04.0'	80°07.0'	33°42.5'	83°10.9'	80°28.7'	110°02.8'	109°12.5'
3	64°34.4'	80°36.8'	34°07.6'	82°42.2'	80°01.9'	110°32.3'	108°43.0'
4	64°04.8'	81°06.5'	34°32.8'	82°13.5'	79°35.1'	111°01.9'	108°13.5'
5	63°35.2'	81°36.3'	34°58.1'	81°44.8'	79°08.3'	111°31.4'	107°44.1'
6	63°05.5'	82°06.1'	35°23.5'	81°16.1'	78°41.5'	112°01.0'	107°14.6'
7	62°35.9'	82°35.8'	35°49.0'	80°47.3'	78°14.8'	112°30.6'	106°45.1'
8	62°06.2'	83°05.6'	36°14.6'	80°18.6'	77°48.0'	113°00.2'	106°15.6'
9	61°36.6'	83°35.4'	36°40.3'	79°49.9'	77°21.2'	113°29.8'	105°46.1'
10	61°06.9'	84°05.2'	37°06.1'	79°21.2'	76°54.4'	113°59.4'	105°16.6'
11	60°37.3'	84°35.0'	37°31.9'	78°52.4'	76°27.7'	114°29.0'	104°47.1'
12	60°07.6'	85°04.8'	37°57.9'	78°23.7'	76°00.9'	114°58.6'	104°17.6'
13	59°37.9'	85°34.7'	38°23.9'	77°55.0'	75°34.2'	115°28.2'	103°48.0'
14	59°08.2'	86°04.5'	38°50.1'	77°26.2'	75°07.4'	115°57.8'	103°18.5'
15	58°38.5'	86°34.4'	39°16.3'	76°57.5'	74°40.7'	116°27.5'	102°48.9'
16	58°08.8'	87°04.2'	39°42.6'	76°28.7'	74°13.9'	116°57.1'	102°19.4'
17	57°39.1'	87°34.1'	40°08.9'	75°60.0'	73°47.2'	117°26.8'	101°49.8'
18	57°09.4'	88°03.9'	40°35.3'	75°31.2'	73°20.5'	117°56.4'	101°20.2'
19	56°39.7'	88°33.8'	41°01.8'	75°02.4'	72°53.8'	118°26.1'	100°50.6'
20	56°09.9'	89°03.7'	41°28.4'	74°33.6'	72°27.0'	118°55.8'	100°21.0'
21	55°40.2'	89°33.6'	41°55.1'	74°04.9'	72°00.3'	119°25.5'	99°51.4'
22	55°10.4'	90°03.5'	42°21.8'	73°36.1'	71°33.6'	119°55.2'	99°21.8'
23	54°40.6'	90°33.4'	42°48.5'	73°07.3'	71°06.9'	120°24.9'	98°52.1'

Tue Aug 20, 2019 UTC

UTC	−Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.	−Betelgeuse Lunar Dist.	+Saturn Lunar Dist.	−Pollux Lunar Dist.	−Capella Lunar Dist.	−Rigel Lunar Dist.
0	54°10.9'	43°15.4'	72°38.5'	91°03.4'	98°22.5'	70°40.2'	63°01.3'
1	53°41.1'	43°42.3'	72°09.7'	91°33.3'	97°52.8'	70°13.6'	62°36.1'
2	53°11.3'	44°09.2'	71°40.9'	92°03.2'	97°23.1'	69°46.9'	62°10.9'
3	52°41.5'	44°36.3'	71°12.1'	92°33.2'	96°53.5'	69°20.2'	61°45.8'
4	52°11.6'	45°03.3'	70°43.3'	93°03.2'	96°23.8'	68°53.6'	61°20.7'
5	51°41.8'	45°30.5'	70°14.5'	93°33.2'	95°54.0'	68°26.9'	60°55.6'
6	51°11.9'	45°57.7'	69°45.6'	94°03.2'	95°24.3'	68°00.3'	60°30.6'
7	50°42.1'	46°24.9'	69°16.8'	94°33.2'	94°54.6'	67°33.7'	60°05.6'
8	50°12.2'	46°52.2'	68°48.0'	95°03.2'	94°24.8'	67°07.1'	59°40.6'
9	49°42.3'	47°19.5'	68°19.1'	95°33.3'	93°55.1'	66°40.5'	59°15.7'
10	49°12.4'	47°47.0'	67°50.3'	96°03.3'	93°25.3'	66°13.9'	58°50.8'
11	48°42.5'	48°14.4'	67°21.4'	96°33.4'	92°55.5'	65°47.3'	58°25.9'
12	48°12.6'	48°41.9'	66°52.6'	97°03.5'	92°25.7'	65°20.7'	58°01.1'
13	47°42.7'	49°09.5'	66°23.7'	97°33.5'	91°55.9'	64°54.2'	57°36.3'
14	47°12.7'	49°37.1'	65°54.8'	98°03.7'	91°26.1'	64°27.7'	57°11.6'
15	46°42.7'	50°04.7'	65°25.9'	98°33.8'	90°56.2'	64°01.1'	56°46.9'
16	46°12.7'	50°32.4'	64°57.1'	99°03.9'	90°26.4'	63°34.6'	56°22.2'
17	45°42.8'	51°00.2'	64°28.2'	99°34.1'	89°56.5'	63°08.1'	55°57.6'
18	45°12.7'	51°27.9'	63°59.3'	100°04.2'	89°26.6'	62°41.6'	55°33.1'
19	44°42.7'	51°55.8'	63°30.4'	100°34.4'	88°56.7'	62°15.2'	55°08.6'
20	44°12.7'	52°23.7'	63°01.5'	101°04.6'	88°26.7'	61°48.7'	54°44.1'
21	43°42.6'	52°51.6'	62°32.6'	101°34.9'	87°56.8'	61°22.3'	54°19.7'
22	43°12.5'	53°19.5'	62°03.6'	102°05.1'	87°26.8'	60°55.9'	53°55.3'
23	42°42.4'	53°47.6'	61°34.7'	102°35.3'	86°56.9'	60°29.5'	53°31.0'

Wed Aug 21, 2019 UTC

UTC	−Sun Lunar Dist.	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Pollux Lunar Dist.	−Capella Lunar Dist.	−Procyon Lunar Dist.
0	119°52.5'	42°12.3'	61°05.8'	54°15.6'	86°26.9'	60°03.1'	87°03.2'
1	119°24.8'	41°42.2'	60°36.9'	54°43.7'	85°56.9'	59°36.8'	86°34.3'
2	118°57.1'	41°12.1'	60°07.9'	55°11.8'	85°26.8'	59°10.5'	86°05.4'
3	118°29.3'	40°41.9'	59°39.0'	55°40.0'	84°56.8'	58°44.1'	85°36.4'
4	118°01.5'	40°11.7'	59°10.0'	56°08.2'	84°26.7'	58°17.9'	85°07.5'
5	117°33.7'	39°41.6'	58°41.1'	56°36.5'	83°56.6'	57°51.6'	84°38.6'
6	117°05.9'	39°11.3'	58°12.1'	57°04.8'	83°26.5'	57°25.4'	84°09.6'
7	116°38.1'	38°41.1'	57°43.1'	57°33.1'	82°56.4'	56°59.1'	83°40.6'
8	116°10.2'	38°10.9'	57°14.2'	58°01.5'	82°26.3'	56°33.0'	83°11.6'
9	115°42.4'	37°40.6'	56°45.2'	58°29.9'	81°56.1'	56°06.8'	82°42.6'
10	115°14.5'	37°10.3'	56°16.2'	58°58.4'	81°25.9'	55°40.7'	82°13.5'
11	114°46.6'	36°40.0'	55°47.2'	59°26.9'	80°55.7'	55°14.6'	81°44.5'
12	114°18.6'	36°09.7'	55°18.3'	59°55.4'	80°25.5'	54°48.5'	81°15.4'
13	113°50.7'	35°39.3'	54°49.3'	60°24.0'	79°55.2'	54°22.5'	80°46.3'
14	113°22.7'	35°09.0'	54°20.3'	60°52.6'	79°25.0'	53°56.5'	80°17.2'
15	112°54.7'	34°38.6'	53°51.3'	61°21.3'	78°54.7'	53°30.5'	79°48.1'
16	112°26.6'	34°08.2'	53°22.3'	61°50.0'	78°24.4'	53°04.6'	79°18.9'
17	111°58.6'	33°37.8'	52°53.3'	62°18.7'	77°54.0'	52°38.7'	78°49.8'
18	111°30.5'	33°07.3'	52°24.3'	62°47.5'	77°23.7'	52°12.8'	78°20.6'
19	111°02.4'	32°36.8'	51°55.3'	63°16.3'	76°53.3'	51°47.0'	77°51.4'
20	110°34.3'	32°06.4'	51°26.3'	63°45.1'	76°22.9'	51°21.2'	77°22.2'
21	110°06.2'	31°35.8'	50°57.3'	64°14.0'	75°52.5'	50°55.5'	76°53.0'
22	109°38.0'	31°05.3'	50°28.3'	64°42.9'	75°22.0'	50°29.8'	76°23.7'
23	109°09.8'	30°34.8'	49°59.3'	65°11.9'	74°51.6'	50°04.1'	75°54.4'

Thu Aug 22, 2019 UTC

UTC	–Sun Lunar Dist.	–Aldebaran Lunar Dist.	–Betelgeuse Lunar Dist.	–Pollux Lunar Dist.	+Formalhaut Lunar Dist.	–Procyon Lunar Dist.	–Capella Lunar Dist.
0	108°41.6'	30°04.2'	49°30.3'	74°21.1'	65°40.9'	75°25.2'	49°38.5'
1	108°13.3'	29°33.6'	49°01.3'	73°50.5'	66°09.9'	74°55.9'	49°13.0'
2	107°45.1'	29°03.0'	48°32.3'	73°20.0'	66°39.0'	74°26.5'	48°47.5'
3	107°16.8'	28°32.3'	48°03.3'	72°49.4'	67°08.1'	73°57.2'	48°22.1'
4	106°48.4'	28°01.7'	47°34.3'	72°18.8'	67°37.2'	73°27.8'	47°56.7'
5	106°20.1'	27°31.0'	47°05.3'	71°48.2'	68°06.4'	72°58.5'	47°31.4'
6	105°51.7'	27°00.3'	46°36.3'	71°17.6'	68°35.6'	72°29.1'	47°06.1'
7	105°23.3'	26°29.5'	46°07.3'	70°46.9'	69°04.9'	71°59.7'	46°40.9'
8	104°54.9'	25°58.8'	45°38.3'	70°16.2'	69°34.2'	71°30.2'	46°15.8'
9	104°26.4'	25°28.0'	45°09.3'	69°45.5'	70°03.5'	71°00.8'	45°50.7'
10	103°57.9'	24°57.2'	44°40.4'	69°14.7'	70°32.9'	70°31.3'	45°25.7'
11	103°29.4'	24°26.4'	44°11.4'	68°43.9'	71°02.3'	70°01.9'	45°00.8'
12	103°00.9'	23°55.5'	43°42.5'	68°13.1'	71°31.7'	69°32.4'	44°35.9'
13	102°32.3'	23°24.7'	43°13.5'	67°42.3'	72°01.2'	69°02.8'	44°11.1'
14	102°03.7'	22°53.8'	42°44.6'	67°11.4'	72°30.7'	68°33.3'	43°46.4'
15	101°35.1'	22°22.8'	42°15.7'	66°40.6'	73°00.2'	68°03.7'	43°21.8'
16	101°06.4'	21°51.9'	41°46.8'	66°09.6'	73°29.8'	67°34.2'	42°57.3'
17	100°37.7'	21°21.0'	41°17.9'	65°38.7'	73°59.4'	67°04.6'	42°32.9'
18	100°09.0'	20°50.0'	40°49.1'	65°07.7'	74°29.1'	66°35.0'	42°08.6'
19	99°40.2'	20°19.0'	40°20.2'	64°36.7'	74°58.8'	66°05.4'	41°44.3'
20	99°11.4'	19°48.0'	39°51.4'	64°05.7'	75°28.5'	65°35.7'	41°20.2'
21	98°42.6'	19°16.9'	39°22.6'	63°34.6'	75°58.3'	65°06.1'	40°56.2'
22	98°13.8'	18°45.9'	38°53.8'	63°03.5'	76°28.1'	64°36.4'	40°32.3'
23	97°44.9'	18°14.8'	38°25.1'	62°32.4'	76°58.0'	64°06.7'	40°08.5'

Fri Aug 23, 2019 UTC

UTC	–Sun Lunar Dist.	–Aldebaran Lunar Dist.	–Pollux Lunar Dist.	–Betelgeuse Lunar Dist.	–Procyon Lunar Dist.	+Formalhaut Lunar Dist.	–Capella Lunar Dist.
0	97°16.0'	17°43.7'	62°01.2'	37°56.3'	63°37.0'	77°27.8'	39°44.8'
1	96°47.0'	17°12.6'	61°30.0'	37°27.6'	63°07.3'	77°57.8'	39°21.3'
2	96°18.0'	16°41.4'	60°58.8'	36°59.0'	62°37.5'	78°27.7'	38°57.9'
3	95°49.0'	16°10.3'	60°27.6'	36°30.3'	62°07.8'	78°57.7'	38°34.6'
4	95°20.0'	15°39.2'	59°56.3'	36°01.7'	61°38.0'	79°27.8'	38°11.4'
5	94°50.9'	15°08.0'	59°25.0'	35°33.2'	61°08.2'	79°57.8'	37°48.4'
6	94°21.7'	14°36.8'	58°53.6'	35°04.7'	60°38.4'	80°27.9'	37°25.6'
7	93°52.6'	14°05.7'	58°22.3'	34°36.2'	60°08.6'	80°58.1'	37°02.9'
8	93°23.4'	13°34.5'	57°50.9'	34°07.8'	59°38.7'	81°28.3'	36°40.4'
9	92°54.2'	13°03.3'	57°19.4'	33°39.4'	59°08.9'	81°58.5'	36°18.0'
10	92°24.9'	12°32.2'	56°48.0'	33°11.1'	58°39.0'	82°28.8'	35°55.8'
11	91°55.6'	12°01.0'	56°16.4'	32°42.9'	58°09.2'	82°59.1'	35°33.8'
12	91°26.3'	11°29.9'	55°44.9'	32°14.7'	57°39.3'	83°29.4'	35°12.0'
13	90°56.9'	10°58.8'	55°13.3'	31°46.6'	57°09.4'	83°59.8'	34°50.4'
14	90°27.5'	10°27.7'	54°41.7'	31°18.6'	56°39.4'	84°30.2'	34°29.0'
15	89°58.1'	9°56.7'	54°10.1'	30°50.6'	56°09.5'	85°00.7'	34°07.8'
16	89°28.6'	9°25.7'	53°38.4'	30°22.7'	55°39.6'	85°31.1'	33°46.9'
17	88°59.1'	8°54.8'	53°06.7'	29°54.9'	55°09.6'	86°01.7'	33°26.1'
18	88°29.5'	8°24.0'	52°35.0'	29°27.2'	54°39.7'	86°32.2'	33°05.6'
19	87°59.9'	7°53.4'	52°03.2'	28°59.6'	54°09.7'	87°02.9'	32°45.4'
20	87°30.3'	7°22.9'	51°31.4'	28°32.2'	53°39.7'	87°33.5'	32°25.4'
21	87°00.6'	6°52.6'	50°59.5'	28°04.8'	53°09.7'	88°04.2'	32°05.7'
22	86°30.9'	6°22.6'	50°27.6'	27°37.6'	52°39.7'	88°34.9'	31°46.2'
23	86°01.1'	5°52.9'	49°55.7'	27°10.4'	52°09.7'	89°05.7'	31°27.0'

Sat Aug 24, 2019 UTC

UTC	–Sun Lunar Dist.	–Aldebaran Lunar Dist.	–Pollux Lunar Dist.	–Procyon Lunar Dist.	–Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	–Capella Lunar Dist.
0	85°31.3'	5°23.6'	49°23.8'	51°39.7'	26°43.5'	89°36.5'	31°08.2'
1	85°01.5'	4°55.0'	48°51.8'	51°09.7'	26°16.7'	90°07.3'	30°49.6'
2	84°31.6'	–	48°19.8'	50°39.7'	25°50.0'	90°38.2'	30°31.4'
3	84°01.7'	–	47°47.7'	50°09.7'	25°23.5'	91°09.1'	30°13.5'
4	83°31.8'	–	47°15.6'	49°39.7'	24°57.2'	91°40.1'	29°56.0'
5	83°01.8'	–	46°43.5'	49°09.6'	24°31.1'	92°11.1'	29°38.8'
6	82°31.7'	–	46°11.3'	48°39.6'	24°05.2'	92°42.1'	29°21.9'
7	82°01.7'	–	45°39.1'	48°09.6'	23°39.5'	93°13.2'	29°05.5'
8	81°31.5'	–	45°06.9'	47°39.6'	23°14.1'	93°44.3'	28°49.5'
9	81°01.4'	–	44°34.6'	47°09.5'	22°48.9'	94°15.4'	28°33.8'
10	80°31.2'	–	44°02.3'	46°39.5'	22°24.0'	94°46.6'	28°18.6'
11	80°00.9'	–	43°30.0'	46°09.5'	21°59.3'	95°17.9'	28°03.8'
12	79°30.6'	–	42°57.6'	45°39.5'	21°35.0'	95°49.1'	27°49.5'
13	79°00.3'	–	42°25.2'	45°09.6'	21°11.0'	96°20.4'	27°35.6'
14	78°29.9'	–	41°52.8'	44°39.6'	20°47.4'	96°51.8'	27°22.2'
15	77°59.5'	–	41°20.3'	44°09.6'	20°24.1'	97°23.2'	27°09.3'
16	77°29.0'	–	40°47.8'	43°39.7'	20°01.3'	97°54.6'	26°57.0'
17	76°58.5'	–	40°15.2'	43°09.7'	19°38.8'	98°26.1'	26°45.1'
18	76°28.0'	5°29.5'	39°42.6'	42°39.8'	19°16.8'	98°57.6'	26°33.8'
19	75°57.4'	5°59.6'	39°10.0'	42°10.0'	18°55.4'	99°29.1'	26°23.0'
20	75°26.7'	6°30.2'	38°37.4'	41°40.1'	18°34.4'	100°00.7'	26°12.8'
21	74°56.1'	7°01.3'	38°04.7'	41°10.3'	18°13.9'	100°32.3'	26°03.1'
22	74°25.3'	7°32.7'	37°32.0'	40°40.4'	17°54.1'	101°03.9'	25°54.1'
23	73°54.6'	8°04.3'	36°59.2'	40°10.7'	17°34.9'	101°35.6'	25°45.6'

Sun Aug 25, 2019 UTC

UTC	–Sun Lunar Dist.	+Aldebaran Lunar Dist.	–Pollux Lunar Dist.	–Procyon Lunar Dist.	+Formalhaut Lunar Dist.	–Betelgeuse Lunar Dist.	+Achernar Lunar Dist.
0	73°23.7'	8°36.2'	36°26.4'	39°40.9'	102°07.4'	17°16.3'	89°10.3'
1	72°52.9'	9°08.4'	35°53.6'	39°11.2'	102°39.1'	16°58.5'	89°29.5'
2	72°21.9'	9°40.7'	35°20.8'	38°41.6'	103°10.9'	16°41.4'	89°48.7'
3	71°51.0'	10°13.1'	34°47.9'	38°12.0'	103°42.8'	–	90°07.9'
4	71°20.0'	10°45.7'	34°15.0'	37°42.4'	104°14.6'	–	90°27.2'
5	70°48.9'	11°18.5'	33°42.1'	37°12.9'	104°46.6'	–	90°46.5'
6	70°17.8'	11°51.3'	33°09.1'	36°43.4'	105°18.5'	–	91°05.8'
7	69°46.7'	12°24.3'	32°36.1'	36°14.0'	105°50.5'	–	91°25.1'
8	69°15.5'	12°57.4'	32°03.1'	35°44.7'	106°22.5'	–	91°44.5'
9	68°44.3'	13°30.6'	31°30.1'	35°15.5'	106°54.6'	–	92°03.9'
10	68°13.0'	14°03.8'	30°57.0'	34°46.3'	107°26.7'	–	92°23.3'
11	67°41.6'	14°37.2'	30°23.9'	34°17.2'	107°58.8'	–	92°42.7'
12	67°10.3'	15°10.6'	29°50.8'	33°48.2'	108°31.0'	–	93°02.2'
13	66°38.8'	15°44.1'	29°17.6'	33°19.3'	109°03.2'	–	93°21.6'
14	66°07.4'	16°17.7'	28°44.5'	32°50.4'	109°35.4'	–	93°41.1'
15	65°35.8'	16°51.3'	28°11.3'	32°21.7'	110°07.7'	–	94°00.6'
16	65°04.3'	17°25.1'	27°38.1'	31°53.1'	110°40.0'	–	94°20.1'
17	64°32.7'	17°58.8'	27°04.9'	31°24.7'	111°12.3'	–	94°39.6'
18	64°01.0'	18°32.7'	26°31.7'	30°56.3'	111°44.7'	–	94°59.1'
19	63°29.3'	19°06.6'	25°58.5'	30°28.1'	112°17.1'	–	95°18.6'
20	62°57.5'	19°40.6'	25°25.3'	30°00.0'	112°49.5'	–	95°38.1'
21	62°25.7'	20°14.7'	24°52.0'	29°32.1'	113°22.0'	–	95°57.7'
22	61°53.9'	20°48.8'	24°18.8'	29°04.4'	113°54.5'	–	96°17.2'
23	61°22.0'	21°23.0'	23°45.6'	28°36.9'	114°27.0'	–	96°36.8'

Mon Aug 26, 2019 UTC

UTC	−Sun Lunar Dist.	+Aldebaran Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	+Formalhaut Lunar Dist.	+Rigel Lunar Dist.	+Achernar Lunar Dist.
0	60°50.0′	21°57.2′	23°12.3′	28°09.5′	114°59.6′	32°48.7′	96°56.3′
1	60°18.0′	22°31.5′	22°39.1′	27°42.3′	115°32.2′	33°05.3′	97°15.8′
2	59°46.0′	23°05.9′	22°05.9′	27°15.4′	116°04.8′	33°22.3′	97°35.4′
3	59°13.9′	23°40.3′	21°32.7′	26°48.7′	116°37.4′	33°39.8′	97°54.9′
4	58°41.7′	24°14.7′	20°59.6′	26°22.2′	117°10.1′	33°57.7′	98°14.4′
5	58°09.5′	24°49.3′	20°26.4′	25°56.0′	117°42.8′	34°15.9′	98°34.0′
6	57°37.3′	25°23.9′	19°53.4′	25°30.1′	118°15.5′	34°34.6′	98°53.5′
7	57°05.0′	25°58.5′	19°20.3′	25°04.4′	118°48.2′	34°53.7′	99°13.0′
8	56°32.7′	26°33.2′	18°47.3′	24°39.1′	119°21.0′	35°13.1′	99°32.5′
9	56°00.3′	27°07.9′	18°14.4′	24°14.1′	119°53.8′	35°32.9′	99°51.9′
10	55°27.9′	27°42.8′	17°41.6′	23°49.5′	120°26.6′	35°53.1′	100°11.4′
11	54°55.4′	28°17.6′	17°08.8′	23°25.2′	120°59.5′	36°13.6′	100°30.9′
12	54°22.9′	28°52.5′	16°36.2′	23°01.4′	121°32.3′	36°34.5′	100°50.3′
13	53°50.3′	29°27.5′	16°03.6′	22°38.0′	122°05.2′	36°55.7′	101°09.7′
14	53°17.7′	30°02.5′	15°31.2′	22°15.0′	122°38.1′	37°17.2′	101°29.1′
15	52°45.0′	30°37.6′	14°59.0′	21°52.5′	123°11.0′	37°39.1′	101°48.4′
16	52°12.3′	31°12.7′	14°26.9′	21°30.5′	123°43.9′	38°01.3′	102°07.8′
17	51°39.5′	31°47.9′	13°55.1′	21°09.1′	124°16.9′	38°23.8′	102°27.1′
18	51°06.7′	32°23.1′	13°23.5′	20°48.2′	124°49.8′	38°46.6′	102°46.4′
19	50°33.9′	32°58.4′	12°52.1′	20°27.9′	125°22.8′	39°09.6′	103°05.6′
20	50°01.0′	33°33.8′	12°21.1′	20°08.3′	125°55.8′	39°33.0′	103°24.8′
21	49°28.0′	34°09.1′	11°50.4′	19°49.3′	126°28.8′	39°56.7′	103°44.0′
22	48°55.0′	34°44.6′	11°20.2′	19°31.1′	127°01.8′	40°20.6′	104°03.1′
23	48°22.0′	35°20.1′	10°50.4′	19°13.6′	127°34.8′	40°44.8′	104°22.2′

Tue Aug 27, 2019 UTC

UTC	−Sun Lunar Dist.	+Aldebaran Lunar Dist.	−Pollux Lunar Dist.	+Betelgeuse Lunar Dist.	+Rigel Lunar Dist.	+Capella Lunar Dist.	+Achernar Lunar Dist.
0	47°48.9′	35°55.6′	10°21.2′	22°51.4′	41°09.2′	32°24.4′	104°41.3′
1	47°15.8′	36°31.2′	9°52.7′	23°19.0′	41°33.9′	32°46.6′	105°00.3′
2	46°42.6′	37°06.9′	–	23°47.0′	41°58.9′	33°09.2′	105°19.3′
3	46°09.4′	37°42.5′	–	24°15.3′	42°24.1′	33°32.2′	105°38.2′
4	45°36.1′	38°18.3′	–	24°43.9′	42°49.5′	33°55.5′	105°57.0′
5	45°02.8′	38°54.1′	–	25°12.9′	43°15.2′	34°19.2′	106°15.9′
6	44°29.5′	39°29.9′	–	25°42.2′	43°41.1′	34°43.2′	106°34.6′
7	43°56.1′	40°05.8′	–	26°11.8′	44°07.2′	35°07.5′	106°53.3′
8	43°22.7′	40°41.7′	–	26°41.7′	44°33.5′	35°32.2′	107°12.0′
9	42°49.2′	41°17.7′	–	27°11.8′	45°00.1′	35°57.2′	107°30.6′
10	42°15.7′	41°53.8′	–	27°42.2′	45°26.8′	36°22.5′	107°49.1′
11	41°42.1′	42°29.8′	–	28°12.9′	45°53.8′	36°48.0′	108°07.5′
12	41°08.5′	43°06.0′	–	28°43.7′	46°20.9′	37°13.9′	108°25.9′
13	40°34.9′	43°42.1′	–	29°14.8′	46°48.2′	37°40.0′	108°44.2′
14	40°01.2′	44°18.4′	–	29°46.2′	47°15.8′	38°06.4′	109°02.4′
15	39°27.5′	44°54.6′	–	30°17.7′	47°43.5′	38°33.1′	109°20.6′
16	38°53.7′	45°30.9′	–	30°49.4′	48°11.4′	38°60.0′	109°38.7′
17	38°19.9′	46°07.3′	–	31°21.3′	48°39.4′	39°27.1′	109°56.7′
18	37°46.1′	46°43.7′	–	31°53.4′	49°07.6′	39°54.5′	110°14.6′
19	37°12.2′	47°20.1′	–	32°25.7′	49°36.0′	40°22.2′	110°32.4′
20	36°38.3′	47°56.6′	–	32°58.1′	50°04.6′	40°50.0′	110°50.1′
21	36°04.3′	48°33.2′	–	33°30.7′	50°33.3′	41°18.1′	111°07.8′
22	35°30.3′	49°09.7′	–	34°03.5′	51°02.2′	41°46.4′	111°25.3′
23	34°56.3′	49°46.4′	–	34°36.4′	51°31.2′	42°14.9′	111°42.8′

Wed Aug 28, 2019 UTC

UTC	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	+Capella Lunar Dist.	+Rigel Lunar Dist.
0	50°23.0'	35°09.5'	42°43.6'	52°00.4'
1	50°59.7'	35°42.7'	43°12.5'	52°29.7'
2	51°36.5'	36°16.0'	43°41.6'	52°59.2'
3	52°13.3'	36°49.5'	44°10.8'	53°28.8'
4	52°50.1'	37°23.1'	44°40.3'	53°58.5'
5	53°27.0'	37°56.8'	45°09.9'	54°28.4'
6	54°03.9'	38°30.6'	45°39.7'	54°58.4'
7	54°40.8'	39°04.6'	46°09.7'	55°28.5'
8	55°17.8'	39°38.7'	46°39.8'	55°58.8'
9	55°54.8'	40°12.8'	47°10.1'	56°29.1'
10	56°31.9'	40°47.1'	47°40.5'	56°59.6'
11	57°09.0'	41°21.5'	48°11.1'	57°30.2'
12	57°46.1'	41°56.0'	48°41.8'	58°00.9'
13	58°23.3'	42°30.6'	49°12.7'	58°31.7'
14	59°00.5'	43°05.2'	49°43.7'	59°02.7'
15	59°37.8'	43°40.0'	50°14.9'	59°33.7'
16	60°15.0'	44°14.8'	50°46.1'	60°04.8'
17	60°52.4'	44°49.7'	51°17.5'	60°36.1'
18	61°29.7'	45°24.7'	51°49.0'	61°07.4'
19	62°07.1'	45°59.8'	52°20.7'	61°38.8'
20	62°44.5'	46°35.0'	52°52.4'	62°10.3'
21	63°21.9'	47°10.2'	53°24.3'	62°41.9'
22	63°59.4'	47°45.5'	53°56.3'	63°13.6'
23	64°36.9'	48°20.9'	54°28.4'	63°45.4'

Thu Aug 29, 2019 UTC

UTC	+Pollux Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	+Capella Lunar Dist.	+Procyon Lunar Dist.	+Rigel Lunar Dist.
0	21°45.9'	65°14.5'	48°56.4'	55°00.6'	26°13.3'	64°17.2'
1	22°22.0'	65°52.0'	49°31.9'	55°32.9'	26°41.9'	64°49.1'
2	22°58.2'	66°29.6'	50°07.5'	56°05.3'	27°10.9'	65°21.1'
3	23°34.5'	67°07.2'	50°43.1'	56°37.7'	27°40.3'	65°53.2'
4	24°10.9'	67°44.9'	51°18.8'	57°10.3'	28°09.9'	66°25.4'
5	24°47.3'	68°22.6'	51°54.6'	57°43.0'	28°39.9'	66°57.6'
6	25°23.9'	69°00.3'	52°30.4'	58°15.7'	29°10.1'	67°29.9'
7	26°00.5'	69°38.0'	53°06.3'	58°48.6'	29°40.7'	68°02.3'
8	26°37.2'	70°15.7'	53°42.2'	59°21.5'	30°11.5'	68°34.7'
9	27°14.0'	70°53.5'	54°18.2'	59°54.5'	30°42.6'	69°07.2'
10	27°50.8'	71°31.3'	54°54.2'	60°27.6'	31°13.9'	69°39.7'
11	28°27.7'	72°09.1'	55°30.3'	61°00.7'	31°45.4'	70°12.3'
12	29°04.7'	72°47.0'	56°06.4'	61°34.0'	32°17.2'	70°45.0'
13	29°41.7'	73°24.8'	56°42.6'	62°07.3'	32°49.1'	71°17.7'
14	30°18.8'	74°02.7'	57°18.8'	62°40.6'	33°21.3'	71°50.5'
15	30°55.9'	74°40.6'	57°55.0'	63°14.1'	33°53.7'	72°23.3'
16	31°33.1'	75°18.5'	58°31.3'	63°47.6'	34°26.2'	72°56.2'
17	32°10.3'	75°56.5'	59°07.7'	64°21.1'	34°58.9'	73°29.1'
18	32°47.5'	76°34.4'	59°44.0'	64°54.7'	35°31.8'	74°02.1'
19	33°24.8'	77°12.4'	60°20.4'	65°28.4'	36°04.9'	74°35.1'
20	34°02.2'	77°50.4'	60°56.9'	66°02.1'	36°38.1'	75°08.2'
21	34°39.5'	78°28.4'	61°33.3'	66°35.9'	37°11.4'	75°41.3'
22	35°16.9'	79°06.4'	62°09.9'	67°09.7'	37°44.9'	76°14.4'
23	35°54.4'	79°44.5'	62°46.4'	67°43.6'	38°18.5'	76°47.6'