

Tue Oct 1, 2019 UTC

UTC	−Antares Lunar Dist.	−Jupiter Lunar Dist.	−Saturn Lunar Dist.	−Altair Lunar Dist.	−Formalhaut Lunar Dist.	+Arcturus Lunar Dist.	−Vega Lunar Dist.
0	32°31.3'	39°35.4'	65°19.8'	81°55.3'	115°15.7'	29°26.6'	75°11.7'
1	31°56.0'	38°59.4'	64°43.5'	81°24.2'	114°41.3'	29°43.8'	74°56.6'
2	31°20.7'	38°23.5'	64°07.2'	80°53.1'	114°07.0'	30°01.5'	74°41.6'
3	30°45.5'	37°47.6'	63°31.0'	80°22.1'	113°32.6'	30°19.6'	74°26.7'
4	30°10.4'	37°11.7'	62°54.7'	79°51.1'	112°58.3'	30°38.2'	74°11.9'
5	29°35.4'	36°35.9'	62°18.6'	79°20.1'	112°24.0'	30°57.3'	73°57.2'
6	29°00.5'	36°00.1'	61°42.5'	78°49.3'	111°49.7'	31°16.8'	73°42.6'
7	28°25.7'	35°24.4'	61°06.4'	78°18.5'	111°15.5'	31°36.7'	73°28.1'
8	27°50.9'	34°48.7'	60°30.4'	77°47.7'	110°41.2'	31°57.0'	73°13.8'
9	27°16.3'	34°13.1'	59°54.4'	77°17.0'	110°07.0'	32°17.7'	72°59.5'
10	26°41.7'	33°37.5'	59°18.4'	76°46.4'	109°32.9'	32°38.8'	72°45.4'
11	26°07.3'	33°01.9'	58°42.5'	76°15.8'	108°58.7'	33°00.2'	72°31.4'
12	25°32.9'	32°26.4'	58°06.7'	75°45.3'	108°24.6'	33°22.0'	72°17.5'
13	24°58.7'	31°51.0'	57°30.9'	75°14.9'	107°50.6'	33°44.1'	72°03.7'
14	24°24.6'	31°15.6'	56°55.1'	74°44.5'	107°16.5'	34°06.5'	71°50.1'
15	23°50.7'	30°40.3'	56°19.4'	74°14.2'	106°42.5'	34°29.2'	71°36.5'
16	23°16.8'	30°05.0'	55°43.8'	73°44.0'	106°08.6'	34°52.2'	71°23.1'
17	22°43.1'	29°29.7'	55°08.2'	73°13.9'	105°34.6'	35°15.5'	71°09.9'
18	22°09.5'	28°54.5'	54°32.6'	72°43.8'	105°00.7'	35°39.1'	70°56.7'
19	21°36.1'	28°19.4'	53°57.1'	72°13.8'	104°26.9'	36°02.9'	70°43.7'
20	21°02.8'	27°44.3'	53°21.6'	71°43.8'	103°53.1'	36°26.9'	70°30.8'
21	20°29.7'	27°09.3'	52°46.2'	71°14.0'	103°19.3'	36°51.2'	70°18.0'
22	19°56.8'	26°34.3'	52°10.9'	70°44.2'	102°45.5'	37°15.7'	70°05.4'
23	19°24.0'	25°59.4'	51°35.5'	70°14.5'	102°11.8'	37°40.4'	69°52.9'

Wed Oct 2, 2019 UTC

UTC	+Sun Lunar Dist.	−Jupiter Lunar Dist.	−Antares Lunar Dist.	−Saturn Lunar Dist.	−Formalhaut Lunar Dist.	−Altair Lunar Dist.	+Arcturus Lunar Dist.
0	44°46.2'	25°24.5'	18°51.5'	51°00.3'	101°38.1'	69°44.9'	38°05.3'
1	45°18.8'	24°49.7'	18°19.2'	50°25.0'	101°04.5'	69°15.3'	38°30.4'
2	45°51.3'	24°14.9'	17°47.0'	49°49.9'	100°30.9'	68°45.9'	38°55.7'
3	46°23.7'	23°40.2'	17°15.2'	49°14.7'	99°57.4'	68°16.5'	39°21.2'
4	46°56.2'	23°05.5'	16°43.5'	48°39.7'	99°23.9'	67°47.2'	39°46.9'
5	47°28.6'	22°30.9'	16°12.2'	48°04.7'	98°50.4'	67°18.0'	40°12.7'
6	48°00.9'	21°56.3'	15°41.2'	47°29.7'	98°17.0'	66°48.9'	40°38.6'
7	48°33.2'	21°21.8'	15°10.5'	46°54.8'	97°43.6'	66°19.9'	41°04.8'
8	49°05.4'	20°47.4'	14°40.1'	46°19.9'	97°10.2'	65°50.9'	41°31.0'
9	49°37.6'	20°13.0'	14°10.1'	45°45.1'	96°37.0'	65°22.1'	41°57.4'
10	50°09.8'	19°38.7'	13°40.6'	45°10.3'	96°03.7'	64°53.3'	42°24.0'
11	50°41.9'	19°04.4'	13°11.5'	44°35.6'	95°30.5'	64°24.7'	42°50.6'
12	51°13.9'	18°30.2'	12°42.9'	44°00.9'	94°57.3'	63°56.1'	43°17.4'
13	51°46.0'	17°56.1'	12°14.9'	43°26.3'	94°24.2'	63°27.7'	43°44.2'
14	52°17.9'	17°22.0'	11°47.5'	42°51.7'	93°51.1'	62°59.3'	44°11.2'
15	52°49.8'	16°48.0'	11°20.8'	42°17.2'	93°18.1'	62°31.0'	44°38.3'
16	53°21.7'	16°14.0'	–	41°42.7'	92°45.1'	62°02.9'	45°05.5'
17	53°53.5'	15°40.1'	–	41°08.3'	92°12.2'	61°34.8'	45°32.8'
18	54°25.3'	15°06.3'	–	40°33.9'	91°39.3'	61°06.8'	46°00.1'
19	54°57.1'	14°32.5'	–	39°59.6'	91°06.5'	60°39.0'	46°27.6'
20	55°28.7'	13°58.8'	–	39°25.3'	90°33.7'	60°11.2'	46°55.1'
21	56°00.4'	13°25.2'	–	38°51.1'	90°00.9'	59°43.6'	47°22.7'
22	56°32.0'	12°51.7'	–	38°16.9'	89°28.2'	59°16.1'	47°50.3'
23	57°03.5'	12°18.2'	–	37°42.8'	88°55.6'	58°48.6'	48°18.1'

Thu Oct 3, 2019 UTC

UTC	+Sun Lunar Dist.	-Jupiter Lunar Dist.	-Saturn Lunar Dist.	-Formalhaut Lunar Dist.	+Arcturus Lunar Dist.	-Altair Lunar Dist.	-Achernar Lunar Dist.
0	57°35.0'	11°44.8'	37°08.7'	88°22.9'	48°45.9'	58°21.3'	96°55.3'
1	58°06.5'	11°11.5'	36°34.7'	87°50.4'	49°13.7'	57°54.1'	96°35.9'
2	58°37.9'	10°38.4'	36°00.7'	87°17.9'	49°41.6'	57°27.1'	96°16.6'
3	59°09.2'	10°05.3'	35°26.8'	86°45.4'	50°09.6'	57°00.1'	95°57.3'
4	59°40.5'	9°32.3'	34°52.9'	86°13.0'	50°37.6'	56°33.3'	95°37.9'
5	60°11.8'	8°59.4'	34°19.1'	85°40.6'	51°05.6'	56°06.6'	95°18.6'
6	60°43.0'	8°26.7'	33°45.3'	85°08.3'	51°33.7'	55°40.0'	94°59.3'
7	61°14.1'	7°54.1'	33°11.6'	84°36.1'	52°01.9'	55°13.5'	94°40.0'
8	61°45.3'	7°21.8'	32°37.9'	84°03.8'	52°30.1'	54°47.2'	94°20.7'
9	62°16.3'	6°49.6'	32°04.3'	83°31.7'	52°58.3'	54°21.0'	94°01.4'
10	62°47.4'	6°17.6'	31°30.7'	82°59.6'	53°26.5'	53°54.9'	93°42.1'
11	63°18.3'	5°46.0'	30°57.1'	82°27.5'	53°54.8'	53°29.0'	93°22.8'
12	63°49.3'	5°14.7'	30°23.7'	81°55.5'	54°23.1'	53°03.2'	93°03.6'
13	64°20.1'	4°43.9'	29°50.2'	81°23.5'	54°51.4'	52°37.5'	92°44.3'
14	64°51.0'	-	29°16.8'	80°51.6'	55°19.8'	52°12.0'	92°25.1'
15	65°21.8'	-	28°43.5'	80°19.7'	55°48.2'	51°46.6'	92°05.9'
16	65°52.5'	-	28°10.2'	79°47.9'	56°16.6'	51°21.4'	91°46.7'
17	66°23.2'	-	27°37.0'	79°16.1'	56°45.0'	50°56.3'	91°27.6'
18	66°53.9'	-	27°03.8'	78°44.4'	57°13.4'	50°31.4'	91°08.4'
19	67°24.5'	-	26°30.6'	78°12.7'	57°41.9'	50°06.6'	90°49.3'
20	67°55.0'	-	25°57.5'	77°41.1'	58°10.3'	49°41.9'	90°30.2'
21	68°25.5'	-	25°24.5'	77°09.6'	58°38.8'	49°17.5'	90°11.2'
22	68°56.0'	-	24°51.5'	76°38.1'	59°07.3'	48°53.1'	89°52.1'
23	69°26.4'	-	24°18.5'	76°06.6'	59°35.8'	48°29.0'	89°33.1'

Fri Oct 4, 2019 UTC

UTC	+Sun Lunar Dist.	-Saturn Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.	+Arcturus Lunar Dist.	-Altair Lunar Dist.	-Achernar Lunar Dist.
0	69°56.8'	23°45.6'	12°15.5'	75°35.2'	60°04.3'	48°05.0'	89°14.1'
1	70°27.1'	23°12.7'	12°42.1'	75°03.8'	60°32.8'	47°41.2'	88°55.2'
2	70°57.4'	22°39.9'	13°09.1'	74°32.5'	61°01.3'	47°17.5'	88°36.3'
3	71°27.7'	22°07.1'	13°36.6'	74°01.3'	61°29.8'	46°54.1'	88°17.4'
4	71°57.9'	21°34.4'	14°04.3'	73°30.1'	61°58.3'	46°30.8'	87°58.5'
5	72°28.0'	21°01.7'	14°32.4'	72°58.9'	62°26.9'	46°07.6'	87°39.7'
6	72°58.1'	20°29.1'	15°00.7'	72°27.8'	62°55.4'	45°44.7'	87°20.9'
7	73°28.2'	19°56.5'	15°29.3'	71°56.8'	63°23.9'	45°21.9'	87°02.1'
8	73°58.2'	19°23.9'	15°58.1'	71°25.8'	63°52.4'	44°59.4'	86°43.4'
9	74°28.2'	18°51.4'	16°27.1'	70°54.8'	64°20.9'	44°37.0'	86°24.7'
10	74°58.1'	18°18.9'	16°56.2'	70°23.9'	64°49.5'	44°14.8'	86°06.0'
11	75°28.0'	17°46.5'	17°25.6'	69°53.1'	65°18.0'	43°52.9'	85°47.4'
12	75°57.9'	17°14.1'	17°55.0'	69°22.3'	65°46.5'	43°31.1'	85°28.9'
13	76°27.7'	16°41.8'	18°24.6'	68°51.6'	66°15.0'	43°09.5'	85°10.3'
14	76°57.4'	16°09.5'	18°54.3'	68°20.9'	66°43.4'	42°48.2'	84°51.8'
15	77°27.2'	15°37.3'	19°24.1'	67°50.2'	67°11.9'	42°27.1'	84°33.4'
16	77°56.8'	15°05.1'	19°53.9'	67°19.7'	67°40.4'	42°06.1'	84°15.0'
17	78°26.5'	14°32.9'	20°23.9'	66°49.1'	68°08.9'	41°45.4'	83°56.6'
18	78°56.1'	14°00.8'	20°53.9'	66°18.7'	68°37.3'	41°25.0'	83°38.3'
19	79°25.6'	13°28.7'	21°24.0'	65°48.2'	69°05.7'	41°04.7'	83°20.1'
20	79°55.2'	12°56.7'	21°54.1'	65°17.9'	69°34.2'	40°44.7'	83°01.8'
21	80°24.6'	12°24.7'	22°24.3'	64°47.5'	70°02.6'	40°25.0'	82°43.7'
22	80°54.1'	11°52.7'	22°54.5'	64°17.3'	70°31.0'	40°05.5'	82°25.5'
23	81°23.5'	11°20.8'	23°24.8'	63°47.1'	70°59.4'	39°46.2'	82°07.5'

Sat Oct 5, 2019 UTC

UTC	+Sun Lunar Dist.	-Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.	+Arcturus Lunar Dist.	-Altair Lunar Dist.
0	81°52.8'	10°49.0'	14°36.3'	23°55.1'	63°16.9'	71°27.8'	39°27.2'
1	82°22.2'	10°17.1'	15°07.6'	24°25.4'	62°46.8'	71°56.1'	39°08.4'
2	82°51.4'	9°45.3'	15°38.9'	24°55.8'	62°16.8'	72°24.5'	38°49.9'
3	83°20.7'	9°13.6'	16°10.1'	25°26.1'	61°46.8'	72°52.8'	38°31.7'
4	83°49.9'	8°41.9'	16°41.4'	25°56.5'	61°16.8'	73°21.1'	38°13.7'
5	84°19.0'	8°10.2'	17°12.6'	26°26.9'	60°47.0'	73°49.4'	37°56.0'
6	84°48.2'	7°38.6'	17°43.7'	26°57.3'	60°17.1'	74°17.7'	37°38.6'
7	85°17.3'	7°07.0'	18°14.9'	27°27.8'	59°47.3'	74°46.0'	37°21.5'
8	85°46.3'	6°35.4'	18°46.0'	27°58.2'	59°17.6'	75°14.2'	37°04.7'
9	86°15.3'	6°03.9'	19°17.1'	28°28.6'	58°48.0'	75°42.5'	36°48.2'
10	86°44.3'	5°32.5'	19°48.1'	28°59.1'	58°18.3'	76°10.7'	36°32.0'
11	87°13.3'	5°01.1'	20°19.1'	29°29.5'	57°48.8'	76°38.9'	36°16.1'
12	87°42.2'	4°29.7'	20°50.1'	29°59.9'	57°19.3'	77°07.1'	36°00.5'
13	88°11.0'	3°58.3'	21°21.1'	30°30.4'	56°49.9'	77°35.2'	35°45.2'
14	88°39.9'	3°27.1'	21°52.0'	31°00.8'	56°20.5'	78°03.4'	35°30.2'
15	89°08.7'	2°55.9'	22°22.9'	31°31.2'	55°51.1'	78°31.5'	35°15.6'
16	89°37.5'	2°24.7'	22°53.8'	32°01.6'	55°21.9'	78°59.6'	35°01.3'
17	90°06.2'	1°53.7'	23°24.7'	32°32.1'	54°52.7'	79°27.7'	34°47.4'
18	90°34.9'	1°22.9'	23°55.5'	33°02.5'	54°23.5'	79°55.7'	34°33.8'
19	91°03.5'	–	24°26.3'	33°32.9'	53°54.4'	80°23.8'	34°20.5'
20	91°32.2'	–	24°57.0'	34°03.3'	53°25.4'	80°51.8'	34°07.6'
21	92°00.8'	–	25°27.8'	34°33.6'	52°56.4'	81°19.8'	33°55.1'
22	92°29.3'	–	25°58.5'	35°04.0'	52°27.5'	81°47.8'	33°42.9'
23	92°57.9'	1°15.7'	26°29.1'	35°34.4'	51°58.6'	82°15.7'	33°31.1'

Sun Oct 6, 2019 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.	+Arcturus Lunar Dist.	+Rigel Kentaurus Lunar Dist.
0	93°26.4'	1°46.2'	26°59.8'	36°04.7'	51°29.8'	82°43.7'	59°10.2'
1	93°54.9'	2°17.0'	27°30.4'	36°35.0'	51°01.1'	83°11.6'	59°27.2'
2	94°23.3'	2°47.8'	28°00.9'	37°05.3'	50°32.4'	83°39.5'	59°44.4'
3	94°51.7'	3°18.6'	28°31.5'	37°35.6'	50°03.8'	84°07.3'	60°01.6'
4	95°20.1'	3°49.4'	29°02.0'	38°05.9'	49°35.2'	84°35.2'	60°18.9'
5	95°48.4'	4°20.2'	29°32.5'	38°36.2'	49°06.7'	85°03.0'	60°36.4'
6	96°16.7'	4°51.0'	30°03.0'	39°06.5'	48°38.3'	85°30.8'	60°53.9'
7	96°45.0'	5°21.7'	30°33.4'	39°36.7'	48°10.0'	85°58.6'	61°11.5'
8	97°13.3'	5°52.5'	31°03.8'	40°06.9'	47°41.7'	86°26.3'	61°29.2'
9	97°41.5'	6°23.2'	31°34.2'	40°37.1'	47°13.4'	86°54.1'	61°46.9'
10	98°09.7'	6°53.9'	32°04.6'	41°07.3'	46°45.3'	87°21.8'	62°04.8'
11	98°37.9'	7°24.5'	32°34.9'	41°37.5'	46°17.2'	87°49.5'	62°22.7'
12	99°06.0'	7°55.2'	33°05.2'	42°07.7'	45°49.2'	88°17.2'	62°40.7'
13	99°34.1'	8°25.8'	33°35.5'	42°37.8'	45°21.2'	88°44.8'	62°58.8'
14	100°02.2'	8°56.4'	34°05.7'	43°08.0'	44°53.3'	89°12.4'	63°17.0'
15	100°30.3'	9°26.9'	34°36.0'	43°38.1'	44°25.5'	89°40.0'	63°35.2'
16	100°58.3'	9°57.5'	35°06.2'	44°08.2'	43°57.8'	90°07.6'	63°53.5'
17	101°26.3'	10°28.0'	35°36.3'	44°38.3'	43°30.2'	90°35.1'	64°11.9'
18	101°54.3'	10°58.4'	36°06.5'	45°08.3'	43°02.6'	91°02.7'	64°30.4'
19	102°22.3'	11°28.9'	36°36.6'	45°38.4'	42°35.1'	91°30.2'	64°48.9'
20	102°50.2'	11°59.3'	37°06.7'	46°08.4'	42°07.6'	91°57.6'	65°07.4'
21	103°18.1'	12°29.8'	37°36.8'	46°38.4'	41°40.3'	92°25.1'	65°26.1'
22	103°46.0'	13°00.1'	38°06.8'	47°08.4'	41°13.0'	92°52.5'	65°44.8'
23	104°13.8'	13°30.5'	38°36.9'	47°38.4'	40°45.9'	93°19.9'	66°03.6'

Mon Oct 7, 2019 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.	+Arcturus Lunar Dist.	+Rigel Kentaurus Lunar Dist.
0	104°41.7'	14°00.8'	39°06.9'	48°08.4'	40°18.8'	93°47.3'	66°22.4'
1	105°09.5'	14°31.2'	39°36.9'	48°38.3'	39°51.8'	94°14.7'	66°41.3'
2	105°37.3'	15°01.5'	40°06.8'	49°08.3'	39°24.9'	94°42.0'	67°00.2'
3	106°05.0'	15°31.7'	40°36.8'	49°38.2'	38°58.0'	95°09.3'	67°19.2'
4	106°32.8'	16°02.0'	41°06.7'	50°08.1'	38°31.3'	95°36.6'	67°38.3'
5	107°00.5'	16°32.2'	41°36.6'	50°38.0'	38°04.7'	96°03.8'	67°57.4'
6	107°28.2'	17°02.4'	42°06.5'	51°07.9'	37°38.1'	96°31.1'	68°16.5'
7	107°55.8'	17°32.6'	42°36.3'	51°37.7'	37°11.7'	96°58.3'	68°35.7'
8	108°23.5'	18°02.8'	43°06.2'	52°07.6'	36°45.3'	97°25.5'	68°55.0'
9	108°51.1'	18°32.9'	43°36.0'	52°37.4'	36°19.1'	97°52.6'	69°14.3'
10	109°18.7'	19°03.0'	44°05.8'	53°07.2'	35°53.0'	98°19.7'	69°33.6'
11	109°46.3'	19°33.1'	44°35.5'	53°37.0'	35°27.0'	98°46.9'	69°53.0'
12	110°13.9'	20°03.2'	45°05.3'	54°06.8'	35°01.1'	99°13.9'	70°12.5'
13	110°41.4'	20°33.3'	45°35.0'	54°36.6'	34°35.3'	99°41.0'	70°31.9'
14	111°09.0'	21°03.3'	46°04.8'	55°06.4'	34°09.6'	100°08.0'	70°51.5'
15	111°36.5'	21°33.3'	46°34.5'	55°36.1'	33°44.1'	100°35.0'	71°11.0'
16	112°04.0'	22°03.3'	47°04.1'	56°05.8'	33°18.7'	101°02.0'	71°30.6'
17	112°31.4'	22°33.3'	47°33.8'	56°35.5'	32°53.4'	101°28.9'	71°50.3'
18	112°58.9'	23°03.3'	48°03.4'	57°05.2'	32°28.2'	101°55.9'	72°09.9'
19	113°26.3'	23°33.3'	48°33.1'	57°34.9'	32°03.2'	102°22.8'	72°29.7'
20	113°53.7'	24°03.2'	49°02.7'	58°04.6'	31°38.4'	102°49.6'	72°49.4'
21	114°21.1'	24°33.1'	49°32.3'	58°34.3'	31°13.7'	103°16.5'	73°09.2'
22	114°48.5'	25°03.0'	50°01.9'	59°03.9'	30°49.1'	103°43.3'	73°29.0'
23	115°15.9'	25°32.9'	50°31.4'	59°33.6'	30°24.7'	104°10.1'	73°48.9'

Tue Oct 8, 2019 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.	-Aldebaran Lunar Dist.	+Arcturus Lunar Dist.
0	115°43.2'	26°02.8'	51°01.0'	60°03.2'	30°00.5'	119°28.5'	104°36.9'
1	116°10.6'	26°32.6'	51°30.5'	60°32.8'	29°36.4'	118°58.6'	105°03.6'
2	116°37.9'	27°02.5'	52°00.0'	61°02.4'	29°12.5'	118°28.7'	105°30.3'
3	117°05.2'	27°32.3'	52°29.5'	61°32.0'	28°48.8'	117°58.8'	105°57.0'
4	117°32.5'	28°02.1'	52°59.0'	62°01.6'	28°25.3'	117°29.0'	106°23.6'
5	117°59.7'	28°31.9'	53°28.5'	62°31.2'	28°02.0'	116°59.1'	106°50.2'
6	118°27.0'	29°01.7'	53°58.0'	63°00.7'	27°38.8'	116°29.3'	107°16.8'
7	118°54.2'	29°31.5'	54°27.4'	63°30.3'	27°15.9'	115°59.5'	107°43.4'
8	119°21.5'	30°01.2'	54°56.9'	63°59.8'	26°53.3'	115°29.7'	108°09.9'
9	119°48.7'	30°31.0'	55°26.3'	64°29.3'	26°30.8'	114°59.9'	108°36.5'
10	120°15.9'	31°00.7'	55°55.7'	64°58.9'	26°08.6'	114°30.1'	109°02.9'
11	120°43.1'	31°30.4'	56°25.1'	65°28.4'	25°46.6'	114°00.4'	109°29.4'
12	121°10.2'	32°00.1'	56°54.5'	65°57.9'	25°24.9'	113°30.6'	109°55.8'
13	121°37.4'	32°29.8'	57°23.9'	66°27.4'	25°03.4'	113°00.9'	110°22.2'
14	122°04.5'	32°59.5'	57°53.2'	66°56.9'	24°42.3'	112°31.2'	110°48.5'
15	122°31.7'	33°29.2'	58°22.6'	67°26.3'	24°21.4'	112°01.4'	111°14.9'
16	122°58.8'	33°58.9'	58°51.9'	67°55.8'	24°00.8'	111°31.7'	111°41.2'
17	123°25.9'	34°28.5'	59°21.3'	68°25.2'	23°40.5'	111°02.0'	112°07.4'
18	123°53.0'	34°58.2'	59°50.6'	68°54.7'	23°20.6'	110°32.3'	112°33.7'
19	124°20.1'	35°27.8'	60°19.9'	69°24.1'	23°01.0'	110°02.7'	112°59.9'
20	124°47.2'	35°57.4'	60°49.2'	69°53.6'	22°41.7'	109°33.0'	113°26.0'
21	125°14.2'	36°27.0'	61°18.5'	70°23.0'	22°22.8'	109°03.3'	113°52.2'
22	125°41.3'	36°56.6'	61°47.8'	70°52.4'	22°04.3'	108°33.7'	114°18.3'
23	126°08.3'	37°26.2'	62°17.1'	71°21.8'	21°46.2'	108°04.0'	114°44.3'

Wed Oct 9, 2019 UTC

UTC	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	−Aldebaran Lunar Dist.	−Formalhaut Lunar Dist.	−Rigel Lunar Dist.	+Arcturus Lunar Dist.
0	37°55.8'	62°46.3'	71°51.2'	107°34.4'	21°28.5'	109°28.2'	115°10.3'
1	38°25.4'	63°15.6'	72°20.6'	107°04.8'	21°11.2'	109°02.7'	115°36.3'
2	38°55.0'	63°44.9'	72°50.0'	106°35.2'	20°54.4'	108°37.2'	116°02.3'
3	39°24.5'	64°14.1'	73°19.4'	106°05.5'	20°38.1'	108°11.7'	116°28.2'
4	39°54.1'	64°43.3'	73°48.8'	105°35.9'	20°22.2'	107°46.1'	116°54.1'
5	40°23.6'	65°12.6'	74°18.2'	105°06.3'	20°06.8'	107°20.5'	117°20.0'
6	40°53.2'	65°41.8'	74°47.5'	104°36.7'	19°52.0'	106°54.9'	117°45.8'
7	41°22.7'	66°11.0'	75°16.9'	104°07.2'	19°37.6'	106°29.4'	118°11.6'
8	41°52.3'	66°40.2'	75°46.3'	103°37.6'	19°23.9'	106°03.7'	118°37.3'
9	42°21.8'	67°09.5'	76°15.6'	103°08.0'	19°10.7'	105°38.1'	119°03.0'
10	42°51.3'	67°38.7'	76°45.0'	102°38.4'	18°58.1'	105°12.5'	119°28.6'
11	43°20.8'	68°07.9'	77°14.3'	102°08.9'	18°46.2'	104°46.8'	119°54.3'
12	43°50.3'	68°37.0'	77°43.7'	101°39.3'	18°34.8'	104°21.2'	120°19.8'
13	44°19.8'	69°06.2'	78°13.0'	101°09.7'	18°24.1'	103°55.5'	120°45.4'
14	44°49.3'	69°35.4'	78°42.4'	100°40.2'	18°14.1'	103°29.8'	121°10.9'
15	45°18.8'	70°04.6'	79°11.7'	100°10.6'	18°04.8'	103°04.1'	121°36.3'
16	45°48.3'	70°33.8'	79°41.0'	99°41.1'	17°56.2'	102°38.4'	122°01.7'
17	46°17.8'	71°02.9'	80°10.4'	99°11.6'	17°48.4'	102°12.7'	122°27.1'
18	46°47.3'	71°32.1'	80°39.7'	98°42.0'	17°41.2'	101°46.9'	122°52.4'
19	47°16.8'	72°01.3'	81°09.0'	98°12.5'	17°34.9'	101°21.2'	123°17.6'
20	47°46.2'	72°30.4'	81°38.3'	97°43.0'	17°29.2'	100°55.5'	123°42.8'
21	48°15.7'	72°59.6'	82°07.6'	97°13.4'	17°24.4'	100°29.7'	124°08.0'
22	48°45.2'	73°28.8'	82°37.0'	96°43.9'	−	100°03.9'	124°33.1'
23	49°14.7'	73°57.9'	83°06.3'	96°14.4'	−	99°38.1'	124°58.2'

Thu Oct 10, 2019 UTC

UTC	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	+Altair Lunar Dist.	−Rigel Lunar Dist.
0	49°44.1'	74°27.1'	83°35.6'	95°44.9'	112°51.4'	45°06.5'	99°12.4'
1	50°13.6'	74°56.2'	84°04.9'	95°15.3'	112°23.0'	45°27.0'	98°46.6'
2	50°43.1'	75°25.4'	84°34.2'	94°45.8'	111°54.6'	45°47.6'	98°20.8'
3	51°12.5'	75°54.5'	85°03.5'	94°16.3'	111°26.2'	46°08.3'	97°55.0'
4	51°42.0'	76°23.7'	85°32.8'	93°46.8'	110°57.7'	46°29.2'	97°29.1'
5	52°11.4'	76°52.8'	86°02.2'	93°17.3'	110°29.3'	46°50.1'	97°03.3'
6	52°40.9'	77°21.9'	86°31.5'	92°47.7'	110°00.9'	47°11.2'	96°37.5'
7	53°10.4'	77°51.1'	87°00.8'	92°18.2'	109°32.4'	47°32.4'	96°11.6'
8	53°39.8'	78°20.2'	87°30.1'	91°48.7'	109°04.0'	47°53.7'	95°45.8'
9	54°09.3'	78°49.4'	87°59.4'	91°19.2'	108°35.5'	48°15.1'	95°20.0'
10	54°38.7'	79°18.5'	88°28.7'	90°49.7'	108°07.0'	48°36.7'	94°54.1'
11	55°08.2'	79°47.7'	88°58.0'	90°20.2'	107°38.6'	48°58.3'	94°28.2'
12	55°37.7'	80°16.8'	89°27.3'	89°50.6'	107°10.1'	49°20.0'	94°02.4'
13	56°07.1'	80°46.0'	89°56.6'	89°21.1'	106°41.6'	49°41.9'	93°36.5'
14	56°36.6'	81°15.1'	90°26.0'	88°51.6'	106°13.1'	50°03.8'	93°10.6'
15	57°06.1'	81°44.3'	90°55.3'	88°22.1'	105°44.6'	50°25.8'	92°44.7'
16	57°35.5'	82°13.4'	91°24.6'	87°52.6'	105°16.1'	50°48.0'	92°18.9'
17	58°05.0'	82°42.6'	91°53.9'	87°23.0'	104°47.6'	51°10.2'	91°53.0'
18	58°34.5'	83°11.7'	92°23.2'	86°53.5'	104°19.1'	51°32.5'	91°27.1'
19	59°03.9'	83°40.9'	92°52.6'	86°24.0'	103°50.6'	51°54.9'	91°01.2'
20	59°33.4'	84°10.0'	93°21.9'	85°54.4'	103°22.0'	52°17.3'	90°35.3'
21	60°02.9'	84°39.2'	93°51.2'	85°24.9'	102°53.5'	52°39.9'	90°09.4'
22	60°32.4'	85°08.4'	94°20.6'	84°55.4'	102°25.0'	53°02.6'	89°43.5'
23	61°01.9'	85°37.5'	94°49.9'	84°25.8'	101°56.4'	53°25.3'	89°17.6'

Fri Oct 11, 2019 UTC

UTC	+Saturn Lunar Dist.	-Aldebaran Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	-Capella Lunar Dist.
0	61°31.3'	83°56.3'	86°06.7'	95°19.2'	101°27.8'	53°48.1'	97°36.6'
1	62°00.8'	83°26.7'	86°35.9'	95°48.6'	100°59.3'	54°11.0'	97°09.7'
2	62°30.3'	82°57.2'	87°05.1'	96°17.9'	100°30.7'	54°33.9'	96°42.8'
3	62°59.8'	82°27.6'	87°34.2'	96°47.3'	100°02.1'	54°57.0'	96°16.0'
4	63°29.3'	81°58.1'	88°03.4'	97°16.6'	99°33.5'	55°20.1'	95°49.1'
5	63°58.8'	81°28.5'	88°32.6'	97°46.0'	99°05.0'	55°43.3'	95°22.2'
6	64°28.3'	80°58.9'	89°01.8'	98°15.3'	98°36.4'	56°06.5'	94°55.3'
7	64°57.8'	80°29.4'	89°31.0'	98°44.7'	98°07.7'	56°29.8'	94°28.4'
8	65°27.4'	79°59.8'	90°00.2'	99°14.1'	97°39.1'	56°53.2'	94°01.4'
9	65°56.9'	79°30.2'	90°29.4'	99°43.5'	97°10.5'	57°16.7'	93°34.5'
10	66°26.4'	79°00.6'	90°58.6'	100°12.8'	96°41.9'	57°40.2'	93°07.6'
11	66°55.9'	78°31.0'	91°27.9'	100°42.2'	96°13.3'	58°03.8'	92°40.6'
12	67°25.5'	78°01.4'	91°57.1'	101°11.6'	95°44.6'	58°27.4'	92°13.7'
13	67°55.0'	77°31.8'	92°26.3'	101°41.0'	95°16.0'	58°51.1'	91°46.7'
14	68°24.6'	77°02.2'	92°55.5'	102°10.4'	94°47.3'	59°14.9'	91°19.8'
15	68°54.1'	76°32.6'	93°24.8'	102°39.8'	94°18.6'	59°38.7'	90°52.8'
16	69°23.7'	76°03.0'	93°54.0'	103°09.2'	93°50.0'	60°02.6'	90°25.8'
17	69°53.3'	75°33.4'	94°23.3'	103°38.6'	93°21.3'	60°26.5'	89°58.8'
18	70°22.8'	75°03.7'	94°52.5'	104°08.0'	92°52.6'	60°50.5'	89°31.8'
19	70°52.4'	74°34.1'	95°21.8'	104°37.5'	92°23.9'	61°14.5'	89°04.8'
20	71°22.0'	74°04.4'	95°51.1'	105°06.9'	91°55.2'	61°38.6'	88°37.8'
21	71°51.6'	73°34.8'	96°20.4'	105°36.3'	91°26.5'	62°02.8'	88°10.8'
22	72°21.2'	73°05.1'	96°49.7'	106°05.8'	90°57.8'	62°27.0'	87°43.8'
23	72°50.8'	72°35.5'	97°18.9'	106°35.2'	90°29.1'	62°51.2'	87°16.8'

Sat Oct 12, 2019 UTC

UTC	-Aldebaran Lunar Dist.	+Saturn Lunar Dist.	+Formalhaut Lunar Dist.	-Betelgeuse Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Capella Lunar Dist.
0	72°05.8'	73°20.4'	28°01.8'	90°00.4'	97°48.2'	107°04.7'	86°49.8'
1	71°36.1'	73°50.1'	28°25.0'	89°31.6'	98°17.6'	107°34.1'	86°22.7'
2	71°06.4'	74°19.7'	28°48.4'	89°02.9'	98°46.9'	108°03.6'	85°55.7'
3	70°36.7'	74°49.3'	29°12.0'	88°34.1'	99°16.2'	108°33.1'	85°28.7'
4	70°07.0'	75°19.0'	29°35.7'	88°05.4'	99°45.5'	109°02.5'	85°01.6'
5	69°37.3'	75°48.6'	29°59.6'	87°36.6'	100°14.9'	109°32.0'	84°34.6'
6	69°07.6'	76°18.3'	30°23.7'	87°07.8'	100°44.2'	110°01.5'	84°07.5'
7	68°37.9'	76°48.0'	30°47.9'	86°39.1'	101°13.6'	110°31.0'	83°40.5'
8	68°08.1'	77°17.6'	31°12.3'	86°10.3'	101°42.9'	111°00.5'	83°13.4'
9	67°38.4'	77°47.3'	31°36.9'	85°41.5'	102°12.3'	111°30.0'	82°46.4'
10	67°08.6'	78°17.0'	32°01.5'	85°12.7'	102°41.7'	111°59.6'	82°19.3'
11	66°38.9'	78°46.7'	32°26.3'	84°43.9'	103°11.1'	112°29.1'	81°52.3'
12	66°09.1'	79°16.5'	32°51.3'	84°15.1'	103°40.5'	112°58.6'	81°25.2'
13	65°39.3'	79°46.2'	33°16.3'	83°46.2'	104°09.9'	113°28.2'	80°58.1'
14	65°09.5'	80°15.9'	33°41.5'	83°17.4'	104°39.3'	113°57.7'	80°31.1'
15	64°39.7'	80°45.7'	34°06.8'	82°48.6'	105°08.7'	114°27.3'	80°04.0'
16	64°09.9'	81°15.4'	34°32.3'	82°19.7'	105°38.2'	114°56.8'	79°36.9'
17	63°40.1'	81°45.2'	34°57.8'	81°50.9'	106°07.6'	115°26.4'	79°09.9'
18	63°10.3'	82°14.9'	35°23.4'	81°22.0'	106°37.1'	115°56.0'	78°42.8'
19	62°40.4'	82°44.7'	35°49.2'	80°53.2'	107°06.5'	116°25.6'	78°15.7'
20	62°10.6'	83°14.5'	36°15.0'	80°24.3'	107°36.0'	116°55.2'	77°48.6'
21	61°40.7'	83°44.3'	36°41.0'	79°55.4'	108°05.5'	117°24.8'	77°21.6'
22	61°10.9'	84°14.1'	37°07.0'	79°26.5'	108°35.0'	117°54.4'	76°54.5'
23	60°41.0'	84°44.0'	37°33.1'	78°57.6'	109°04.5'	118°24.0'	76°27.4'

Sun Oct 13, 2019 UTC

UTC	−Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.	+Saturn Lunar Dist.	−Betelgeuse Lunar Dist.	−Capella Lunar Dist.	−Pollux Lunar Dist.	−Rigel Lunar Dist.
0	60°11.1′	37°59.4′	85°13.8′	78°28.7′	76°00.4′	104°19.8′	68°12.3′
1	59°41.2′	38°25.7′	85°43.6′	77°59.8′	75°33.3′	103°50.0′	67°46.7′
2	59°11.3′	38°52.1′	86°13.5′	77°30.9′	75°06.2′	103°20.2′	67°21.2′
3	58°41.4′	39°18.5′	86°43.4′	77°02.0′	74°39.2′	102°50.4′	66°55.7′
4	58°11.4′	39°45.1′	87°13.2′	76°33.1′	74°12.1′	102°20.6′	66°30.2′
5	57°41.5′	40°11.7′	87°43.1′	76°04.1′	73°45.1′	101°50.7′	66°04.7′
6	57°11.6′	40°38.4′	88°13.0′	75°35.2′	73°18.0′	101°20.9′	65°39.2′
7	56°41.6′	41°05.2′	88°42.9′	75°06.3′	72°51.0′	100°51.0′	65°13.8′
8	56°11.6′	41°32.0′	89°12.9′	74°37.3′	72°23.9′	100°21.1′	64°48.4′
9	55°41.6′	41°59.0′	89°42.8′	74°08.3′	71°56.9′	99°51.3′	64°23.0′
10	55°11.6′	42°25.9′	90°12.7′	73°39.4′	71°29.9′	99°21.4′	63°57.7′
11	54°41.6′	42°53.0′	90°42.7′	73°10.4′	71°02.9′	98°51.5′	63°32.4′
12	54°11.6′	43°20.1′	91°12.7′	72°41.4′	70°35.8′	98°21.5′	63°07.1′
13	53°41.6′	43°47.3′	91°42.6′	72°12.5′	70°08.8′	97°51.6′	62°41.8′
14	53°11.6′	44°14.5′	92°12.6′	71°43.5′	69°41.8′	97°21.7′	62°16.6′
15	52°41.5′	44°41.8′	92°42.6′	71°14.5′	69°14.8′	96°51.7′	61°51.4′
16	52°11.4′	45°09.2′	93°12.6′	70°45.5′	68°47.8′	96°21.7′	61°26.2′
17	51°41.4′	45°36.6′	93°42.7′	70°16.5′	68°20.9′	95°51.8′	61°01.0′
18	51°11.3′	46°04.1′	94°12.7′	69°47.5′	67°53.9′	95°21.8′	60°35.9′
19	50°41.2′	46°31.6′	94°42.8′	69°18.5′	67°26.9′	94°51.8′	60°10.9′
20	50°11.1′	46°59.2′	95°12.8′	68°49.5′	66°60.0′	94°21.7′	59°45.8′
21	49°41.0′	47°26.8′	95°42.9′	68°20.4′	66°33.1′	93°51.7′	59°20.8′
22	49°10.8′	47°54.5′	96°13.0′	67°51.4′	66°06.1′	93°21.7′	58°55.9′
23	48°40.7′	48°22.2′	96°43.1′	67°22.4′	65°39.2′	92°51.6′	58°31.0′

Mon Oct 14, 2019 UTC

UTC	−Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.	−Betelgeuse Lunar Dist.	−Pollux Lunar Dist.	+Saturn Lunar Dist.	−Capella Lunar Dist.	−Procyon Lunar Dist.
0	48°10.5′	48°50.0′	66°53.4′	92°21.5′	97°13.2′	65°12.3′	92°49.7′
1	47°40.4′	49°17.8′	66°24.3′	91°51.4′	97°43.4′	64°45.4′	92°20.8′
2	47°10.2′	49°45.7′	65°55.3′	91°21.3′	98°13.5′	64°18.6′	91°51.9′
3	46°40.0′	50°13.6′	65°26.2′	90°51.2′	98°43.7′	63°51.7′	91°23.0′
4	46°09.8′	50°41.6′	64°57.2′	90°21.1′	99°13.8′	63°24.9′	90°54.0′
5	45°39.6′	51°09.6′	64°28.1′	89°51.0′	99°44.0′	62°58.0′	90°25.1′
6	45°09.3′	51°37.7′	63°59.1′	89°20.8′	100°14.2′	62°31.2′	89°56.1′
7	44°39.1′	52°05.8′	63°30.0′	88°50.6′	100°44.4′	62°04.4′	89°27.2′
8	44°08.8′	52°33.9′	63°01.0′	88°20.5′	101°14.7′	61°37.7′	88°58.2′
9	43°38.6′	53°02.1′	62°31.9′	87°50.3′	101°44.9′	61°10.9′	88°29.2′
10	43°08.3′	53°30.3′	62°02.9′	87°20.1′	102°15.1′	60°44.2′	88°00.2′
11	42°38.0′	53°58.6′	61°33.8′	86°49.8′	102°45.4′	60°17.5′	87°31.2′
12	42°07.7′	54°26.9′	61°04.7′	86°19.6′	103°15.7′	59°50.8′	87°02.2′
13	41°37.4′	54°55.2′	60°35.7′	85°49.3′	103°46.0′	59°24.1′	86°33.1′
14	41°07.0′	55°23.6′	60°06.6′	85°19.1′	104°16.3′	58°57.5′	86°04.1′
15	40°36.7′	55°52.0′	59°37.5′	84°48.8′	104°46.6′	58°30.9′	85°35.0′
16	40°06.3′	56°20.5′	59°08.5′	84°18.5′	105°17.0′	58°04.3′	85°05.9′
17	39°35.9′	56°49.0′	58°39.4′	83°48.2′	105°47.3′	57°37.7′	84°36.8′
18	39°05.6′	57°17.5′	58°10.4′	83°17.9′	106°17.7′	57°11.2′	84°07.7′
19	38°35.2′	57°46.1′	57°41.3′	82°47.5′	106°48.1′	56°44.7′	83°38.6′
20	38°04.8′	58°14.7′	57°12.2′	82°17.2′	107°18.5′	56°18.2′	83°09.5′
21	37°34.3′	58°43.3′	56°43.2′	81°46.8′	107°48.9′	55°51.8′	82°40.4′
22	37°03.9′	59°12.0′	56°14.1′	81°16.4′	108°19.3′	55°25.4′	82°11.2′
23	36°33.5′	59°40.7′	55°45.1′	80°46.0′	108°49.7′	54°59.0′	81°42.0′

Tue Oct 15, 2019 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Capella Lunar Dist.	+Saturn Lunar Dist.
0	36°03.0′	55°16.0′	60°09.4′	80°15.6′	81°12.9′	54°32.6′	109°20.2′
1	35°32.5′	54°47.0′	60°38.2′	79°45.2′	80°43.7′	54°06.3′	109°50.7′
2	35°02.0′	54°17.9′	61°07.0′	79°14.8′	80°14.5′	53°40.1′	110°21.2′
3	34°31.6′	53°48.9′	61°35.8′	78°44.3′	79°45.3′	53°13.8′	110°51.7′
4	34°01.0′	53°19.9′	62°04.7′	78°13.8′	79°16.1′	52°47.7′	111°22.2′
5	33°30.5′	52°50.8′	62°33.6′	77°43.4′	78°46.9′	52°21.5′	111°52.7′
6	32°60.0′	52°21.8′	63°02.5′	77°12.9′	78°17.6′	51°55.4′	112°23.3′
7	32°29.4′	51°52.8′	63°31.4′	76°42.3′	77°48.4′	51°29.4′	112°53.8′
8	31°58.9′	51°23.8′	64°00.4′	76°11.8′	77°19.1′	51°03.3′	113°24.4′
9	31°28.3′	50°54.8′	64°29.4′	75°41.3′	76°49.9′	50°37.4′	113°55.0′
10	30°57.7′	50°25.8′	64°58.5′	75°10.7′	76°20.6′	50°11.5′	114°25.6′
11	30°27.1′	49°56.9′	65°27.5′	74°40.1′	75°51.3′	49°45.6′	114°56.2′
12	29°56.5′	49°27.9′	65°56.6′	74°09.5′	75°22.1′	49°19.8′	115°26.9′
13	29°25.9′	48°58.9′	66°25.8′	73°38.9′	74°52.8′	48°54.1′	115°57.5′
14	28°55.3′	48°30.0′	66°54.9′	73°08.3′	74°23.5′	48°28.4′	116°28.2′
15	28°24.6′	48°01.1′	67°24.1′	72°37.7′	73°54.1′	48°02.8′	116°58.9′
16	27°54.0′	47°32.2′	67°53.3′	72°07.0′	73°24.8′	47°37.2′	117°29.6′
17	27°23.3′	47°03.3′	68°22.6′	71°36.3′	72°55.5′	47°11.7′	118°00.3′
18	26°52.6′	46°34.4′	68°51.8′	71°05.6′	72°26.1′	46°46.3′	118°31.1′
19	26°22.0′	46°05.5′	69°21.1′	70°34.9′	71°56.8′	46°20.9′	119°01.8′
20	25°51.3′	45°36.7′	69°50.4′	70°04.2′	71°27.5′	45°55.7′	119°32.6′
21	25°20.6′	45°07.8′	70°19.8′	69°33.5′	70°58.1′	45°30.4′	120°03.4′
22	24°49.9′	44°39.0′	70°49.2′	69°02.7′	70°28.7′	45°05.3′	120°34.2′
23	24°19.1′	44°10.2′	71°18.6′	68°32.0′	69°59.4′	44°40.3′	121°05.1′

Wed Oct 16, 2019 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	+Formalhaut Lunar Dist.	−Regulus Lunar Dist.	−Capella Lunar Dist.
0	23°48.4′	43°41.5′	68°01.2′	69°30.0′	71°48.0′	103°53.0′	44°15.3′
1	23°17.7′	43°12.7′	67°30.4′	69°00.6′	72°17.4′	103°22.1′	43°50.4′
2	22°46.9′	42°44.0′	66°59.6′	68°31.2′	72°46.9′	102°51.2′	43°25.6′
3	22°16.2′	42°15.3′	66°28.7′	68°01.8′	73°16.4′	102°20.2′	43°00.9′
4	21°45.4′	41°46.7′	65°57.9′	67°32.4′	73°45.9′	101°49.2′	42°36.3′
5	21°14.6′	41°18.1′	65°27.0′	67°03.0′	74°15.5′	101°18.3′	42°11.8′
6	20°43.9′	40°49.5′	64°56.2′	66°33.6′	74°45.1′	100°47.2′	41°47.4′
7	20°13.1′	40°20.9′	64°25.3′	66°04.2′	75°14.7′	100°16.2′	41°23.1′
8	19°42.3′	39°52.4′	63°54.3′	65°34.8′	75°44.3′	99°45.2′	40°58.9′
9	19°11.6′	39°23.9′	63°23.4′	65°05.3′	76°13.9′	99°14.1′	40°34.9′
10	18°40.8′	38°55.4′	62°52.5′	64°35.9′	76°43.6′	98°43.0′	40°10.9′
11	18°10.0′	38°27.0′	62°21.5′	64°06.5′	77°13.3′	98°11.9′	39°47.1′
12	17°39.2′	37°58.7′	61°50.5′	63°37.0′	77°43.0′	97°40.8′	39°23.4′
13	17°08.5′	37°30.4′	61°19.5′	63°07.6′	78°12.8′	97°09.7′	38°59.8′
14	16°37.7′	37°02.1′	60°48.5′	62°38.2′	78°42.5′	96°38.5′	38°36.4′
15	16°07.0′	36°33.9′	60°17.5′	62°08.7′	79°12.3′	96°07.3′	38°13.1′
16	15°36.2′	36°05.7′	59°46.4′	61°39.3′	79°42.1′	95°36.1′	37°50.0′
17	15°05.5′	35°37.6′	59°15.4′	61°09.9′	80°12.0′	95°04.9′	37°27.0′
18	14°34.8′	35°09.6′	58°44.3′	60°40.4′	80°41.8′	94°33.7′	37°04.1′
19	14°04.2′	34°41.6′	58°13.2′	60°11.0′	81°11.7′	94°02.4′	36°41.5′
20	13°33.5′	34°13.7′	57°42.1′	59°41.6′	81°41.6′	93°31.2′	36°19.0′
21	13°02.9′	33°45.8′	57°11.0′	59°12.1′	82°11.5′	92°59.9′	35°56.7′
22	12°32.3′	33°18.0′	56°39.8′	58°42.7′	82°41.5′	92°28.6′	35°34.5′
23	12°01.8′	32°50.3′	56°08.7′	58°13.3′	83°11.4′	91°57.2′	35°12.6′

Thu Oct 17, 2019 UTC

UTC	−Aldebaran Lunar Dist.	−Pollux Lunar Dist.	−Betelgeuse Lunar Dist.	−Procyon Lunar Dist.	−Regulus Lunar Dist.	+Formalhaut Lunar Dist.	−Capella Lunar Dist.
0	11°31.3'	55°37.5'	32°22.7'	57°43.8'	91°25.9'	83°41.4'	34°50.8'
1	11°00.9'	55°06.3'	31°55.2'	57°14.4'	90°54.5'	84°11.5'	34°29.3'
2	10°30.6'	54°35.1'	31°27.8'	56°45.0'	90°23.1'	84°41.5'	34°07.9'
3	10°00.4'	54°03.8'	31°00.4'	56°15.6'	89°51.7'	85°11.5'	33°46.8'
4	9°30.2'	53°32.6'	30°33.2'	55°46.2'	89°20.3'	85°41.6'	33°25.9'
5	9°00.3'	53°01.3'	30°06.1'	55°16.8'	88°48.8'	86°11.7'	33°05.2'
6	8°30.4'	52°30.0'	29°39.1'	54°47.4'	88°17.4'	86°41.8'	32°44.8'
7	8°00.8'	51°58.7'	29°12.2'	54°18.0'	87°45.9'	87°12.0'	32°24.6'
8	7°31.4'	51°27.4'	28°45.4'	53°48.6'	87°14.4'	87°42.1'	32°04.7'
9	7°02.4'	50°56.1'	28°18.8'	53°19.2'	86°42.8'	88°12.3'	31°45.0'
10	6°33.6'	50°24.7'	27°52.3'	52°49.9'	86°11.3'	88°42.5'	31°25.7'
11	6°05.4'	49°53.4'	27°25.9'	52°20.5'	85°39.7'	89°12.8'	31°06.6'
12	5°37.7'	49°22.0'	26°59.7'	51°51.2'	85°08.1'	89°43.0'	30°47.8'
13	–	48°50.6'	26°33.7'	51°21.9'	84°36.5'	90°13.3'	30°29.3'
14	–	48°19.1'	26°07.9'	50°52.6'	84°04.9'	90°43.6'	30°11.1'
15	–	47°47.7'	25°42.2'	50°23.3'	83°33.2'	91°13.9'	29°53.3'
16	–	47°16.3'	25°16.7'	49°54.0'	83°01.5'	91°44.2'	29°35.8'
17	–	46°44.8'	24°51.5'	49°24.7'	82°29.8'	92°14.5'	29°18.7'
18	–	46°13.3'	24°26.4'	48°55.5'	81°58.1'	92°44.9'	29°01.9'
19	–	45°41.8'	24°01.6'	48°26.3'	81°26.3'	93°15.3'	28°45.5'
20	–	45°10.3'	23°37.1'	47°57.1'	80°54.6'	93°45.7'	28°29.4'
21	–	44°38.7'	23°12.8'	47°27.9'	80°22.8'	94°16.1'	28°13.8'
22	–	44°07.2'	22°48.7'	46°58.7'	79°51.0'	94°46.6'	27°58.6'
23	–	43°35.6'	22°25.0'	46°29.6'	79°19.1'	95°17.0'	27°43.8'

Fri Oct 18, 2019 UTC

UTC	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Regulus Lunar Dist.	+Formalhaut Lunar Dist.	−Betelgeuse Lunar Dist.	−Sirius Lunar Dist.	+Achernar Lunar Dist.
0	43°04.0'	46°00.5'	78°47.3'	95°47.5'	22°01.6'	47°39.2'	85°39.3'
1	42°32.4'	45°31.4'	78°15.4'	96°18.0'	21°38.5'	47°23.2'	85°57.6'
2	42°00.8'	45°02.3'	77°43.5'	96°48.6'	21°15.7'	47°07.4'	86°16.0'
3	41°29.2'	44°33.3'	77°11.6'	97°19.1'	20°53.3'	46°51.8'	86°34.3'
4	40°57.5'	44°04.3'	76°39.6'	97°49.7'	20°31.4'	46°36.4'	86°52.7'
5	40°25.9'	43°35.4'	76°07.7'	98°20.2'	20°09.8'	46°21.2'	87°11.1'
6	39°54.2'	43°06.5'	75°35.7'	98°50.8'	19°48.6'	46°06.2'	87°29.6'
7	39°22.5'	42°37.6'	75°03.7'	99°21.5'	19°27.9'	45°51.5'	87°48.0'
8	38°50.8'	42°08.8'	74°31.6'	99°52.1'	19°07.7'	45°36.9'	88°06.5'
9	38°19.1'	41°40.0'	73°59.6'	100°22.7'	18°48.1'	45°22.6'	88°25.0'
10	37°47.3'	41°11.2'	73°27.5'	100°53.4'	18°28.9'	45°08.5'	88°43.5'
11	37°15.6'	40°42.5'	72°55.4'	101°24.1'	18°10.4'	44°54.7'	89°02.1'
12	36°43.8'	40°13.9'	72°23.2'	101°54.8'	17°52.4'	44°41.1'	89°20.6'
13	36°12.1'	39°45.3'	71°51.1'	102°25.5'	17°35.1'	44°27.7'	89°39.2'
14	35°40.3'	39°16.8'	71°18.9'	102°56.3'	17°18.5'	44°14.5'	89°57.8'
15	35°08.5'	38°48.3'	70°46.7'	103°27.0'	17°02.5'	44°01.7'	90°16.4'
16	34°36.6'	38°19.9'	70°14.5'	103°57.8'	16°47.4'	43°49.0'	90°35.0'
17	34°04.8'	37°51.5'	69°42.2'	104°28.6'	–	43°36.7'	90°53.7'
18	33°33.0'	37°23.3'	69°09.9'	104°59.4'	–	43°24.6'	91°12.3'
19	33°01.1'	36°55.1'	68°37.6'	105°30.2'	–	43°12.7'	91°31.0'
20	32°29.3'	36°26.9'	68°05.3'	106°01.1'	–	43°01.2'	91°49.6'
21	31°57.4'	35°58.9'	67°33.0'	106°31.9'	–	42°49.9'	92°08.3'
22	31°25.5'	35°30.9'	67°00.6'	107°02.8'	–	42°38.9'	92°27.0'
23	30°53.6'	35°03.0'	66°28.2'	107°33.7'	–	42°28.2'	92°45.7'

Sat Oct 19, 2019 UTC

UTC	+Aldebaran Lunar Dist.	-Pollux Lunar Dist.	-Regulus Lunar Dist.	-Procyon Lunar Dist.	+Formalhaut Lunar Dist.	+Achernar Lunar Dist.
0	14°38.7'	30°21.8'	65°55.7'	34°35.3'	108°04.6'	93°04.4'
1	15°10.6'	29°49.9'	65°23.3'	34°07.6'	108°35.5'	93°23.0'
2	15°42.6'	29°18.0'	64°50.8'	33°40.0'	109°06.5'	93°41.7'
3	16°14.6'	28°46.1'	64°18.3'	33°12.6'	109°37.4'	94°00.4'
4	16°46.7'	28°14.1'	63°45.8'	32°45.2'	110°08.4'	94°19.1'
5	17°18.9'	27°42.2'	63°13.2'	32°18.0'	110°39.4'	94°37.8'
6	17°51.1'	27°10.3'	62°40.6'	31°50.9'	111°10.4'	94°56.5'
7	18°23.4'	26°38.4'	62°08.0'	31°23.9'	111°41.4'	95°15.2'
8	18°55.7'	26°06.5'	61°35.4'	30°57.1'	112°12.4'	95°33.9'
9	19°28.0'	25°34.6'	61°02.7'	30°30.4'	112°43.4'	95°52.6'
10	20°00.4'	25°02.7'	60°30.0'	30°03.9'	113°14.5'	96°11.3'
11	20°32.9'	24°30.8'	59°57.3'	29°37.6'	113°45.5'	96°30.0'
12	21°05.4'	23°59.0'	59°24.6'	29°11.4'	114°16.6'	96°48.6'
13	21°37.9'	23°27.1'	58°51.8'	28°45.4'	114°47.7'	97°07.3'
14	22°10.5'	22°55.3'	58°19.0'	28°19.6'	115°18.8'	97°25.9'
15	22°43.2'	22°23.4'	57°46.2'	27°54.0'	115°49.9'	97°44.6'
16	23°15.8'	21°51.6'	57°13.3'	27°28.7'	116°21.0'	98°03.2'
17	23°48.5'	21°19.9'	56°40.5'	27°03.5'	116°52.1'	98°21.8'
18	24°21.3'	20°48.1'	56°07.6'	26°38.6'	117°23.3'	98°40.4'
19	24°54.0'	20°16.4'	55°34.6'	26°14.0'	117°54.4'	98°59.0'
20	25°26.9'	19°44.7'	55°01.7'	25°49.6'	118°25.6'	99°17.5'
21	25°59.7'	19°13.1'	54°28.7'	25°25.5'	118°56.7'	99°36.1'
22	26°32.6'	18°41.5'	53°55.7'	25°01.7'	119°27.9'	99°54.6'
23	27°05.6'	18°10.0'	53°22.6'	24°38.3'	119°59.1'	100°13.1'

Sun Oct 20, 2019 UTC

UTC	-Sun Lunar Dist.	+Aldebaran Lunar Dist.	-Pollux Lunar Dist.	-Regulus Lunar Dist.	-Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Rigel Lunar Dist.
0	109°01.2'	27°38.5'	17°38.6'	52°49.5'	24°15.1'	17°38.8'	36°12.5'
1	108°30.6'	28°11.5'	17°07.2'	52°16.4'	23°52.3'	17°56.8'	36°31.7'
2	108°00.0'	28°44.6'	16°36.0'	51°43.3'	23°29.9'	18°15.5'	36°51.2'
3	107°29.4'	29°17.6'	16°04.8'	51°10.2'	23°07.8'	18°34.8'	37°11.0'
4	106°58.7'	29°50.8'	15°33.7'	50°37.0'	22°46.2'	18°54.8'	37°31.1'
5	106°28.1'	30°23.9'	15°02.8'	50°03.8'	22°25.0'	19°15.5'	37°51.5'
6	105°57.3'	30°57.1'	14°32.0'	49°30.5'	22°04.3'	19°36.7'	38°12.1'
7	105°26.6'	31°30.3'	14°01.3'	48°57.2'	21°44.0'	19°58.4'	38°33.0'
8	104°55.8'	32°03.6'	13°30.9'	48°23.9'	21°24.2'	20°20.7'	38°54.2'
9	104°25.0'	32°36.8'	13°00.6'	47°50.6'	21°05.0'	20°43.4'	39°15.6'
10	103°54.1'	33°10.2'	12°30.6'	47°17.3'	20°46.3'	21°06.7'	39°37.3'
11	103°23.2'	33°43.5'	12°00.9'	46°43.9'	20°28.2'	21°30.4'	39°59.3'
12	102°52.3'	34°16.9'	11°31.4'	46°10.5'	20°10.7'	21°54.5'	40°21.4'
13	102°21.4'	34°50.3'	11°02.4'	45°37.0'	19°53.9'	22°19.0'	40°43.8'
14	101°50.4'	35°23.8'	10°33.7'	45°03.5'	19°37.7'	22°43.9'	41°06.5'
15	101°19.4'	35°57.3'	10°05.5'	44°30.0'	19°22.2'	23°09.2'	41°29.4'
16	100°48.4'	36°30.8'	9°37.9'	43°56.5'	19°07.5'	23°34.9'	41°52.4'
17	100°17.3'	37°04.4'	9°10.9'	43°22.9'	18°53.5'	24°00.9'	42°15.7'
18	99°46.2'	37°38.0'	–	42°49.4'	–	24°27.2'	42°39.3'
19	99°15.1'	38°11.6'	–	42°15.7'	–	24°53.8'	43°03.0'
20	98°43.9'	38°45.3'	–	41°42.1'	–	25°20.7'	43°26.9'
21	98°12.7'	39°19.0'	–	41°08.4'	–	25°47.8'	43°51.0'
22	97°41.5'	39°52.8'	–	40°34.7'	–	26°15.3'	44°15.3'
23	97°10.2'	40°26.5'	–	40°01.0'	–	26°43.0'	44°39.8'

Mon Oct 21, 2019 UTC

UTC	−Sun Lunar Dist.	−Regulus Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	−Mars Lunar Dist.	+Rigel Lunar Dist.	+Capella Lunar Dist.
0	96°38.9'	39°27.2'	41°00.3'	27°10.9'	80°12.4'	45°04.5'	35°24.0'
1	96°07.6'	38°53.4'	41°34.2'	27°39.1'	79°40.2'	45°29.4'	35°47.9'
2	95°36.2'	38°19.6'	42°08.1'	28°07.5'	79°07.9'	45°54.4'	36°12.0'
3	95°04.8'	37°45.7'	42°42.0'	28°36.1'	78°35.6'	46°19.6'	36°36.4'
4	94°33.4'	37°11.9'	43°15.9'	29°04.9'	78°03.3'	46°45.0'	37°01.0'
5	94°01.9'	36°37.9'	43°49.9'	29°33.9'	77°31.0'	47°10.5'	37°25.8'
6	93°30.4'	36°04.0'	44°23.9'	30°03.1'	76°58.6'	47°36.2'	37°50.9'
7	92°58.9'	35°30.0'	44°58.0'	30°32.5'	76°26.2'	48°02.1'	38°16.2'
8	92°27.3'	34°56.0'	45°32.0'	31°02.0'	75°53.7'	48°28.1'	38°41.7'
9	91°55.8'	34°22.0'	46°06.2'	31°31.7'	75°21.2'	48°54.2'	39°07.4'
10	91°24.1'	33°48.0'	46°40.3'	32°01.6'	74°48.7'	49°20.6'	39°33.4'
11	90°52.5'	33°13.9'	47°14.5'	32°31.7'	74°16.2'	49°47.0'	39°59.5'
12	90°20.8'	32°39.8'	47°48.7'	33°01.9'	73°43.6'	50°13.6'	40°25.8'
13	89°49.0'	32°05.7'	48°23.0'	33°32.2'	73°11.0'	50°40.3'	40°52.3'
14	89°17.3'	31°31.5'	48°57.3'	34°02.7'	72°38.3'	51°07.2'	41°19.0'
15	88°45.5'	30°57.3'	49°31.6'	34°33.3'	72°05.6'	51°34.2'	41°45.9'
16	88°13.7'	30°23.1'	50°06.0'	35°04.1'	71°32.9'	52°01.4'	42°13.0'
17	87°41.8'	29°48.9'	50°40.4'	35°35.0'	71°00.2'	52°28.6'	42°40.2'
18	87°09.9'	29°14.6'	51°14.8'	36°06.0'	70°27.4'	52°56.0'	43°07.6'
19	86°38.0'	28°40.3'	51°49.3'	36°37.1'	69°54.6'	53°23.5'	43°35.2'
20	86°06.0'	28°06.0'	52°23.8'	37°08.4'	69°21.7'	53°51.2'	44°02.9'
21	85°34.0'	27°31.7'	52°58.3'	37°39.7'	68°48.8'	54°18.9'	44°30.8'
22	85°02.0'	26°57.3'	53°32.9'	38°11.2'	68°15.9'	54°46.8'	44°58.8'
23	84°29.9'	26°22.9'	54°07.5'	38°42.8'	67°43.0'	55°14.8'	45°26.9'

Tue Oct 22, 2019 UTC

UTC	−Sun Lunar Dist.	−Regulus Lunar Dist.	+Pollux Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	−Mars Lunar Dist.	+Capella Lunar Dist.
0	83°57.8'	25°48.5'	11°47.3'	54°42.2'	39°14.5'	67°10.0'	45°55.3'
1	83°25.7'	25°14.1'	12°18.0'	55°16.9'	39°46.2'	66°37.0'	46°23.7'
2	82°53.5'	24°39.6'	12°49.1'	55°51.6'	40°18.1'	66°03.9'	46°52.3'
3	82°21.3'	24°05.2'	13°20.5'	56°26.3'	40°50.1'	65°30.9'	47°21.0'
4	81°49.1'	23°30.7'	13°52.2'	57°01.1'	41°22.2'	64°57.7'	47°49.9'
5	81°16.8'	22°56.2'	14°24.2'	57°35.9'	41°54.4'	64°24.6'	48°18.9'
6	80°44.5'	22°21.7'	14°56.4'	58°10.8'	42°26.6'	63°51.4'	48°48.0'
7	80°12.2'	21°47.1'	15°28.8'	58°45.7'	42°59.0'	63°18.2'	49°17.2'
8	79°39.8'	21°12.6'	16°01.5'	59°20.6'	43°31.4'	62°45.0'	49°46.6'
9	79°07.4'	20°38.1'	16°34.3'	59°55.6'	44°03.9'	62°11.7'	50°16.1'
10	78°35.0'	20°03.5'	17°07.3'	60°30.6'	44°36.5'	61°38.4'	50°45.6'
11	78°02.5'	19°28.9'	17°40.5'	61°05.6'	45°09.2'	61°05.0'	51°15.3'
12	77°30.0'	18°54.4'	18°13.8'	61°40.6'	45°41.9'	60°31.7'	51°45.1'
13	76°57.4'	18°19.8'	18°47.2'	62°15.7'	46°14.8'	59°58.2'	52°15.1'
14	76°24.9'	17°45.2'	19°20.8'	62°50.9'	46°47.7'	59°24.8'	52°45.1'
15	75°52.3'	17°10.7'	19°54.5'	63°26.0'	47°20.7'	58°51.3'	53°15.2'
16	75°19.6'	16°36.1'	20°28.3'	64°01.3'	47°53.7'	58°17.8'	53°45.4'
17	74°47.0'	16°01.6'	21°02.2'	64°36.5'	48°26.9'	57°44.3'	54°15.8'
18	74°14.2'	15°27.1'	21°36.3'	65°11.8'	49°00.1'	57°10.7'	54°46.2'
19	73°41.5'	14°52.6'	22°10.4'	65°47.1'	49°33.3'	56°37.1'	55°16.7'
20	73°08.7'	14°18.2'	22°44.6'	66°22.4'	50°06.7'	56°03.5'	55°47.3'
21	72°35.9'	13°43.8'	23°18.9'	66°57.8'	50°40.1'	55°29.8'	56°18.0'
22	72°03.1'	13°09.5'	23°53.3'	67°33.2'	51°13.5'	54°56.1'	56°48.8'
23	71°30.2'	12°35.2'	24°27.8'	68°08.6'	51°47.0'	54°22.4'	57°19.7'

Wed Oct 23, 2019 UTC

UTC	−Sun Lunar Dist.	−Regulus Lunar Dist.	+Pollux Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	−Mars Lunar Dist.	+Procyon Lunar Dist.
0	70°57.3'	12°01.0'	25°02.3'	68°44.1'	52°20.6'	53°48.6'	29°08.7'
1	70°24.4'	11°26.9'	25°36.9'	69°19.6'	52°54.3'	53°14.8'	29°37.0'
2	69°51.4'	10°53.0'	26°11.6'	69°55.2'	53°28.0'	52°41.0'	30°05.6'
3	69°18.4'	10°19.2'	26°46.4'	70°30.7'	54°01.8'	52°07.1'	30°34.5'
4	68°45.4'	9°45.6'	27°21.2'	71°06.3'	54°35.6'	51°33.2'	31°03.6'
5	68°12.3'	9°12.2'	27°56.1'	71°42.0'	55°09.5'	50°59.3'	31°32.9'
6	67°39.2'	8°39.0'	28°31.1'	72°17.7'	55°43.4'	50°25.4'	32°02.4'
7	67°06.1'	8°06.2'	29°06.1'	72°53.4'	56°17.4'	49°51.4'	32°32.2'
8	66°32.9'	7°33.9'	29°41.1'	73°29.1'	56°51.5'	49°17.4'	33°02.1'
9	65°59.8'	7°02.0'	30°16.3'	74°04.9'	57°25.6'	48°43.4'	33°32.3'
10	65°26.5'	−	30°51.5'	74°40.7'	57°59.7'	48°09.3'	34°02.6'
11	64°53.3'	−	31°26.7'	75°16.5'	58°34.0'	47°35.2'	34°33.1'
12	64°20.0'	−	32°02.0'	75°52.4'	59°08.2'	47°01.1'	35°03.8'
13	63°46.7'	−	32°37.3'	76°28.3'	59°42.5'	46°26.9'	35°34.7'
14	63°13.4'	−	33°12.7'	77°04.2'	60°16.9'	45°52.8'	36°05.7'
15	62°40.0'	−	33°48.2'	77°40.2'	60°51.3'	45°18.6'	36°36.9'
16	62°06.6'	−	34°23.7'	78°16.2'	61°25.8'	44°44.3'	37°08.3'
17	61°33.2'	−	34°59.2'	78°52.2'	62°00.3'	44°10.1'	37°39.8'
18	60°59.7'	−	35°34.8'	79°28.3'	62°34.8'	43°35.8'	38°11.4'
19	60°26.2'	−	36°10.4'	80°04.4'	63°09.4'	43°01.5'	38°43.2'
20	59°52.7'	−	36°46.1'	80°40.5'	63°44.0'	42°27.1'	39°15.1'
21	59°19.1'	−	37°21.8'	81°16.7'	64°18.7'	41°52.8'	39°47.1'
22	58°45.6'	−	37°57.6'	81°52.8'	64°53.5'	41°18.4'	40°19.2'
23	58°12.0'	−	38°33.4'	82°29.0'	65°28.2'	40°44.0'	40°51.5'

Thu Oct 24, 2019 UTC

UTC	−Sun Lunar Dist.	+Pollux Lunar Dist.	−Mars Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Aldebaran Lunar Dist.	+Capella Lunar Dist.
0	57°38.3'	39°09.2'	40°09.5'	41°23.9'	66°03.1'	83°05.3'	70°35.7'
1	57°04.7'	39°45.1'	39°35.1'	41°56.4'	66°37.9'	83°41.6'	71°08.4'
2	56°31.0'	40°21.0'	39°00.6'	42°29.0'	67°12.8'	84°17.9'	71°41.1'
3	55°57.3'	40°57.0'	38°26.1'	43°01.8'	67°47.7'	84°54.2'	72°13.8'
4	55°23.6'	41°33.0'	37°51.5'	43°34.6'	68°22.7'	85°30.5'	72°46.6'
5	54°49.8'	42°09.0'	37°17.0'	44°07.5'	68°57.7'	86°06.9'	73°19.5'
6	54°16.0'	42°45.1'	36°42.4'	44°40.5'	69°32.8'	86°43.3'	73°52.4'
7	53°42.2'	43°21.2'	36°07.8'	45°13.6'	70°07.9'	87°19.8'	74°25.3'
8	53°08.4'	43°57.3'	35°33.2'	45°46.8'	70°43.0'	87°56.2'	74°58.3'
9	52°34.5'	44°33.5'	34°58.6'	46°20.1'	71°18.1'	88°32.7'	75°31.3'
10	52°00.6'	45°09.7'	34°23.9'	46°53.5'	71°53.3'	89°09.2'	76°04.4'
11	51°26.7'	45°46.0'	33°49.3'	47°27.0'	72°28.6'	89°45.8'	76°37.5'
12	50°52.8'	46°22.3'	33°14.6'	48°00.5'	73°03.8'	90°22.3'	77°10.6'
13	50°18.9'	46°58.6'	32°39.9'	48°34.2'	73°39.1'	90°58.9'	77°43.8'
14	49°44.9'	47°34.9'	32°05.2'	49°07.9'	74°14.5'	91°35.6'	78°17.0'
15	49°10.9'	48°11.3'	31°30.5'	49°41.6'	74°49.8'	92°12.2'	78°50.3'
16	48°36.9'	48°47.7'	30°55.7'	50°15.5'	75°25.2'	92°48.9'	79°23.6'
17	48°02.9'	49°24.1'	30°21.0'	50°49.4'	76°00.6'	93°25.6'	79°56.9'
18	47°28.8'	50°00.6'	29°46.2'	51°23.4'	76°36.1'	94°02.3'	80°30.3'
19	46°54.7'	50°37.0'	29°11.5'	51°57.4'	77°11.5'	94°39.0'	81°03.7'
20	46°20.6'	51°13.6'	28°36.7'	52°31.6'	77°47.1'	95°15.8'	81°37.1'
21	45°46.5'	51°50.1'	28°01.9'	53°05.7'	78°22.6'	95°52.5'	82°10.6'
22	45°12.4'	52°26.7'	27°27.1'	53°40.0'	78°58.1'	96°29.3'	82°44.1'
23	44°38.3'	53°03.3'	26°52.3'	54°14.3'	79°33.7'	97°06.2'	83°17.6'

Fri Oct 25, 2019 UTC

UTC	−Sun Lunar Dist.	+Regulus Lunar Dist.	−Mars Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Aldebaran Lunar Dist.
0	44°04.1'	17°46.2'	26°17.5'	53°39.9'	54°48.6'	80°09.3'	97°43.0'
1	43°29.9'	18°22.4'	25°42.7'	54°16.5'	55°23.1'	80°45.0'	98°19.9'
2	42°55.8'	18°58.7'	25°07.9'	54°53.2'	55°57.5'	81°20.6'	98°56.8'
3	42°21.5'	19°35.1'	24°33.1'	55°29.9'	56°32.1'	81°56.3'	99°33.7'
4	41°47.3'	20°11.5'	23°58.4'	56°06.6'	57°06.6'	82°32.0'	100°10.6'
5	41°13.1'	20°48.0'	23°23.6'	56°43.3'	57°41.2'	83°07.7'	100°47.5'
6	40°38.9'	21°24.5'	22°48.8'	57°20.1'	58°15.9'	83°43.5'	101°24.5'
7	40°04.6'	22°01.1'	22°14.1'	57°56.9'	58°50.6'	84°19.3'	102°01.5'
8	39°30.3'	22°37.7'	21°39.3'	58°33.7'	59°25.4'	84°55.0'	102°38.5'
9	38°56.1'	23°14.4'	21°04.6'	59°10.5'	60°00.2'	85°30.9'	103°15.5'
10	38°21.8'	23°51.0'	20°29.9'	59°47.3'	60°35.0'	86°06.7'	103°52.5'
11	37°47.5'	24°27.8'	19°55.2'	60°24.2'	61°09.9'	86°42.5'	104°29.6'
12	37°13.2'	25°04.5'	19°20.6'	61°01.1'	61°44.9'	87°18.4'	105°06.6'
13	36°38.9'	25°41.3'	18°46.0'	61°37.9'	62°19.8'	87°54.2'	105°43.7'
14	36°04.6'	26°18.1'	18°11.4'	62°14.9'	62°54.8'	88°30.1'	106°20.8'
15	35°30.3'	26°54.9'	17°36.9'	62°51.8'	63°29.9'	89°06.0'	106°57.9'
16	34°55.9'	27°31.8'	17°02.5'	63°28.7'	64°04.9'	89°41.9'	107°35.0'
17	34°21.6'	28°08.7'	16°28.1'	64°05.7'	64°40.1'	90°17.9'	108°12.1'
18	33°47.3'	28°45.6'	15°53.8'	64°42.7'	65°15.2'	90°53.8'	108°49.3'
19	33°13.0'	29°22.5'	15°19.5'	65°19.6'	65°50.4'	91°29.7'	109°26.4'
20	32°38.6'	29°59.5'	14°45.3'	65°56.6'	66°25.6'	92°05.7'	110°03.6'
21	32°04.3'	30°36.5'	14°11.3'	66°33.7'	67°00.8'	92°41.7'	110°40.7'
22	31°30.0'	31°13.4'	13°37.4'	67°10.7'	67°36.0'	93°17.6'	111°17.9'
23	30°55.7'	31°50.5'	13°03.6'	67°47.7'	68°11.3'	93°53.6'	111°55.1'

Sat Oct 26, 2019 UTC

UTC	+Regulus Lunar Dist.	−Mars Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Aldebaran Lunar Dist.	+Capella Lunar Dist.
0	32°27.5'	12°29.9'	68°24.8'	68°46.6'	94°29.6'	112°32.3'	97°21.5'
1	33°04.5'	11°56.5'	69°01.8'	69°22.0'	95°05.6'	113°09.5'	97°55.4'
2	33°41.6'	11°23.2'	69°38.9'	69°57.3'	95°41.6'	113°46.7'	98°29.3'
3	34°18.7'	10°50.2'	70°15.9'	70°32.7'	96°17.6'	114°23.9'	99°03.1'
4	34°55.7'	10°17.5'	70°53.0'	71°08.1'	96°53.6'	115°01.2'	99°37.0'
5	35°32.8'	9°45.1'	71°30.1'	71°43.5'	97°29.6'	115°38.4'	100°10.8'
6	36°09.9'	9°13.1'	72°07.2'	72°18.9'	98°05.6'	116°15.6'	100°44.7'
7	36°47.1'	8°41.6'	72°44.3'	72°54.4'	98°41.7'	116°52.9'	101°18.5'
8	37°24.2'	8°10.6'	73°21.4'	73°29.8'	99°17.7'	117°30.1'	101°52.3'
9	38°01.3'	–	73°58.5'	74°05.3'	99°53.7'	118°07.3'	102°26.1'
10	38°38.5'	–	74°35.7'	74°40.8'	100°29.7'	118°44.6'	102°59.9'
11	39°15.6'	–	75°12.8'	75°16.3'	101°05.7'	119°21.8'	103°33.7'
12	39°52.8'	–	75°49.9'	75°51.8'	101°41.7'	119°59.1'	104°07.5'
13	40°29.9'	–	76°27.0'	76°27.3'	102°17.7'	120°36.3'	104°41.2'
14	41°07.1'	–	77°04.2'	77°02.9'	102°53.7'	121°13.6'	105°14.9'
15	41°44.3'	–	77°41.3'	77°38.4'	103°29.7'	121°50.8'	105°48.6'
16	42°21.4'	–	78°18.4'	78°14.0'	104°05.6'	122°28.1'	106°22.3'
17	42°58.6'	–	78°55.5'	78°49.5'	104°41.6'	123°05.3'	106°56.0'
18	43°35.8'	–	79°32.7'	79°25.1'	105°17.6'	123°42.6'	107°29.6'
19	44°13.0'	–	80°09.8'	80°00.7'	105°53.5'	124°19.8'	108°03.2'
20	44°50.1'	–	80°46.9'	80°36.2'	106°29.5'	124°57.0'	108°36.8'
21	45°27.3'	–	81°24.0'	81°11.8'	107°05.4'	125°34.3'	109°10.4'
22	46°04.5'	–	82°01.1'	81°47.4'	107°41.3'	126°11.5'	109°43.9'
23	46°41.6'	–	82°38.3'	82°23.0'	108°17.2'	126°48.7'	110°17.4'

Sun Oct 27, 2019 UTC

UTC	+Regulus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Capella Lunar Dist.	+Rigel Lunar Dist.
0	47°18.8'	83°15.4'	82°58.5'	108°53.1'	110°50.9'	118°15.8'
1	47°56.0'	83°52.5'	83°34.1'	109°28.9'	111°24.3'	118°46.9'
2	48°33.1'	84°29.6'	84°09.7'	110°04.8'	111°57.7'	119°17.9'
3	49°10.3'	85°06.6'	84°45.2'	110°40.6'	112°31.0'	119°48.9'
4	49°47.4'	85°43.7'	85°20.8'	111°16.4'	113°04.3'	120°19.8'
5	50°24.6'	86°20.8'	85°56.4'	111°52.2'	113°37.6'	120°50.5'
6	51°01.7'	86°57.9'	86°31.9'	112°28.0'	114°10.8'	121°21.2'
7	51°38.8'	87°34.9'	87°07.5'	113°03.7'	114°44.0'	121°51.9'
8	52°15.9'	88°11.9'	87°43.0'	113°39.4'	115°17.1'	122°22.4'
9	52°53.0'	88°49.0'	88°18.5'	114°15.1'	115°50.2'	122°52.8'
10	53°30.1'	89°26.0'	88°54.0'	114°50.8'	116°23.2'	123°23.1'
11	54°07.2'	90°03.0'	89°29.5'	115°26.4'	116°56.2'	123°53.4'
12	54°44.3'	90°40.0'	90°05.0'	116°02.1'	117°29.1'	124°23.5'
13	55°21.3'	91°17.0'	90°40.5'	116°37.6'	118°02.0'	124°53.5'
14	55°58.4'	91°53.9'	91°15.9'	117°13.2'	118°34.8'	125°23.5'
15	56°35.4'	92°30.9'	91°51.4'	117°48.7'	119°07.5'	125°53.3'
16	57°12.4'	93°07.8'	92°26.8'	118°24.2'	119°40.2'	126°22.9'
17	57°49.4'	93°44.7'	93°02.2'	118°59.7'	120°12.8'	126°52.5'
18	58°26.4'	94°21.6'	93°37.6'	119°35.1'	120°45.3'	127°21.9'
19	59°03.4'	94°58.5'	94°13.0'	120°10.5'	121°17.8'	127°51.3'
20	59°40.3'	95°35.4'	94°48.4'	120°45.8'	121°50.2'	128°20.4'
21	60°17.3'	96°12.2'	95°23.7'	121°21.1'	122°22.5'	128°49.5'
22	60°54.2'	96°49.0'	95°59.0'	121°56.4'	122°54.8'	129°18.4'
23	61°31.1'	97°25.8'	96°34.3'	122°31.6'	123°26.9'	129°47.2'

Tue Oct 29, 2019 UTC

UTC	−Jupiter Lunar Dist.	−Antares Lunar Dist.	−Saturn Lunar Dist.	−Venus Lunar Dist.	−Formalhaut Lunar Dist.	−Altair Lunar Dist.
0	36°06.1'	24°42.7'	58°27.4'	9°22.0'	107°34.5'	75°06.2'
1	35°30.3'	24°08.1'	57°51.3'	8°51.8'	106°60.0'	74°35.5'
2	34°54.6'	23°33.6'	57°15.2'	8°22.0'	106°25.5'	74°04.9'
3	34°18.9'	22°59.2'	56°39.2'	7°52.6'	105°51.0'	73°34.4'
4	33°43.2'	22°25.0'	56°03.2'	7°23.8'	105°16.6'	73°03.9'
5	33°07.6'	21°50.9'	55°27.2'	6°55.7'	104°42.2'	72°33.5'
6	32°32.0'	21°16.9'	54°51.3'	–	104°07.8'	72°03.1'
7	31°56.4'	20°43.1'	54°15.4'	–	103°33.4'	71°32.9'
8	31°20.9'	20°09.4'	53°39.5'	–	102°59.1'	71°02.7'
9	30°45.5'	19°35.9'	53°03.7'	–	102°24.7'	70°32.5'
10	30°10.0'	19°02.6'	52°27.9'	–	101°50.5'	70°02.4'
11	29°34.6'	18°29.5'	51°52.2'	–	101°16.2'	69°32.5'
12	28°59.3'	17°56.5'	51°16.5'	–	100°42.0'	69°02.5'
13	28°24.0'	17°23.8'	50°40.8'	–	100°07.8'	68°32.7'
14	27°48.7'	16°51.4'	50°05.2'	–	99°33.6'	68°02.9'
15	27°13.4'	16°19.2'	49°29.6'	–	98°59.5'	67°33.2'
16	26°38.3'	15°47.3'	48°54.1'	–	98°25.4'	67°03.6'
17	26°03.1'	15°15.6'	48°18.6'	–	97°51.3'	66°34.1'
18	25°28.0'	14°44.4'	47°43.1'	–	97°17.3'	66°04.7'
19	24°52.9'	14°13.5'	47°07.7'	–	96°43.3'	65°35.3'
20	24°17.9'	13°43.0'	46°32.3'	–	96°09.3'	65°06.1'
21	23°42.9'	13°12.9'	45°57.0'	–	95°35.4'	64°36.9'
22	23°08.0'	12°43.3'	45°21.7'	–	95°01.5'	64°07.8'
23	22°33.1'	12°14.3'	44°46.4'	–	94°27.6'	63°38.8'

Wed Oct 30, 2019 UTC

UTC	−Jupiter Lunar Dist.	−Saturn Lunar Dist.	−Antares Lunar Dist.	−Formalhaut Lunar Dist.	−Altair Lunar Dist.	−Achernar Lunar Dist.
0	21°58.3'	44°11.2'	11°45.9'	93°53.8'	63°09.9'	100°03.3'
1	21°23.5'	43°36.0'	11°18.2'	93°20.0'	62°41.1'	99°43.5'
2	20°48.7'	43°00.9'	–	92°46.3'	62°12.4'	99°23.7'
3	20°14.0'	42°25.8'	–	92°12.6'	61°43.8'	99°03.9'
4	19°39.4'	41°50.8'	–	91°38.9'	61°15.3'	98°44.1'
5	19°04.7'	41°15.8'	–	91°05.3'	60°46.9'	98°24.3'
6	18°30.2'	40°40.8'	–	90°31.7'	60°18.6'	98°04.4'
7	17°55.7'	40°05.9'	–	89°58.2'	59°50.4'	97°44.5'
8	17°21.2'	39°31.1'	–	89°24.7'	59°22.3'	97°24.7'
9	16°46.8'	38°56.2'	–	88°51.2'	58°54.4'	97°04.8'
10	16°12.4'	38°21.5'	–	88°17.8'	58°26.5'	96°44.9'
11	15°38.1'	37°46.7'	–	87°44.5'	57°58.8'	96°25.0'
12	15°03.9'	37°12.0'	–	87°11.1'	57°31.2'	96°05.2'
13	14°29.7'	36°37.4'	–	86°37.9'	57°03.7'	95°45.3'
14	13°55.5'	36°02.8'	–	86°04.6'	56°36.3'	95°25.4'
15	13°21.4'	35°28.3'	–	85°31.4'	56°09.1'	95°05.5'
16	12°47.4'	34°53.8'	–	84°58.3'	55°41.9'	94°45.6'
17	12°13.5'	34°19.3'	–	84°25.2'	55°14.9'	94°25.8'
18	11°39.6'	33°44.9'	–	83°52.1'	54°48.1'	94°05.9'
19	11°05.7'	33°10.5'	–	83°19.1'	54°21.4'	93°46.1'
20	10°32.0'	32°36.2'	–	82°46.2'	53°54.8'	93°26.2'
21	9°58.3'	32°01.9'	–	82°13.3'	53°28.3'	93°06.4'
22	9°24.6'	31°27.7'	–	81°40.4'	53°02.0'	92°46.6'
23	8°51.1'	30°53.5'	–	81°07.6'	52°35.8'	92°26.8'

Thu Oct 31, 2019 UTC

UTC	−Jupiter Lunar Dist.	−Saturn Lunar Dist.	+Venus Lunar Dist.	−Formalhaut Lunar Dist.	−Altair Lunar Dist.	−Achernar Lunar Dist.
0	8°17.7'	30°19.4'	17°34.0'	80°34.8'	52°09.8'	92°07.0'
1	7°44.3'	29°45.3'	18°04.4'	80°02.1'	51°43.9'	91°47.2'
2	7°11.1'	29°11.3'	18°34.8'	79°29.5'	51°18.2'	91°27.5'
3	6°38.0'	28°37.3'	19°05.3'	78°56.9'	50°52.6'	91°07.8'
4	6°05.1'	28°03.3'	19°35.7'	78°24.3'	50°27.2'	90°48.1'
5	5°32.3'	27°29.4'	20°06.0'	77°51.8'	50°02.0'	90°28.4'
6	4°59.8'	26°55.6'	20°36.4'	77°19.3'	49°36.9'	90°08.7'
7	4°27.6'	26°21.8'	21°06.7'	76°46.9'	49°11.9'	89°49.1'
8	3°55.8'	25°48.0'	21°37.1'	76°14.5'	48°47.2'	89°29.5'
9	–	25°14.3'	22°07.4'	75°42.2'	48°22.6'	89°09.9'
10	–	24°40.6'	22°37.6'	75°10.0'	47°58.2'	88°50.4'
11	–	24°07.0'	23°07.9'	74°37.8'	47°34.0'	88°30.9'
12	–	23°33.5'	23°38.1'	74°05.6'	47°09.9'	88°11.4'
13	–	22°59.9'	24°08.3'	73°33.5'	46°46.0'	87°52.0'
14	–	22°26.5'	24°38.4'	73°01.5'	46°22.4'	87°32.5'
15	–	21°53.0'	25°08.6'	72°29.5'	45°58.9'	87°13.2'
16	–	21°19.7'	25°38.7'	71°57.6'	45°35.6'	86°53.8'
17	–	20°46.3'	26°08.7'	71°25.7'	45°12.5'	86°34.5'
18	–	20°13.0'	26°38.7'	70°53.8'	44°49.6'	86°15.3'
19	–	19°39.8'	27°08.7'	70°22.1'	44°26.9'	85°56.1'
20	–	19°06.6'	27°38.7'	69°50.4'	44°04.5'	85°36.9'
21	3°42.0'	18°33.5'	28°08.6'	69°18.7'	43°42.2'	85°17.8'
22	4°13.0'	18°00.4'	28°38.5'	68°47.1'	43°20.2'	84°58.7'
23	4°44.3'	17°27.3'	29°08.4'	68°15.5'	42°58.4'	84°39.6'