

Fri Nov 1, 2019 UTC

UTC	+Sun Lunar Dist.	-Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	+Venus Lunar Dist.	-Formalhaut Lunar Dist.	-Altair Lunar Dist.
0	50°17.7'	16°54.3'	5°15.9'	19°20.2'	29°38.2'	67°44.0'	42°36.8'
1	50°48.2'	16°21.4'	5°47.7'	19°51.0'	30°07.9'	67°12.6'	42°15.5'
2	51°18.6'	15°48.4'	6°19.6'	20°21.9'	30°37.7'	66°41.2'	41°54.3'
3	51°49.0'	15°15.6'	6°51.5'	20°52.8'	31°07.4'	66°09.9'	41°33.5'
4	52°19.4'	14°42.8'	7°23.5'	21°23.8'	31°37.0'	65°38.6'	41°12.8'
5	52°49.7'	14°10.0'	7°55.5'	21°54.9'	32°06.7'	65°07.4'	40°52.5'
6	53°19.9'	13°37.3'	8°27.5'	22°26.0'	32°36.2'	64°36.2'	40°32.3'
7	53°50.2'	13°04.6'	8°59.6'	22°57.1'	33°05.8'	64°05.1'	40°12.5'
8	54°20.3'	12°32.0'	9°31.6'	23°28.3'	33°35.3'	63°34.1'	39°52.9'
9	54°50.5'	11°59.4'	10°03.6'	23°59.5'	34°04.8'	63°03.1'	39°33.6'
10	55°20.6'	11°26.9'	10°35.6'	24°30.7'	34°34.2'	62°32.2'	39°14.5'
11	55°50.6'	10°54.4'	11°07.6'	25°01.9'	35°03.6'	62°01.3'	38°55.7'
12	56°20.6'	10°22.0'	11°39.6'	25°33.1'	35°32.9'	61°30.5'	38°37.2'
13	56°50.6'	9°49.6'	12°11.5'	26°04.4'	36°02.3'	60°59.8'	38°19.0'
14	57°20.5'	9°17.2'	12°43.4'	26°35.7'	36°31.5'	60°29.1'	38°01.1'
15	57°50.4'	8°45.0'	13°15.3'	27°06.9'	37°00.8'	59°58.5'	37°43.5'
16	58°20.2'	8°12.7'	13°47.1'	27°38.2'	37°30.0'	59°27.9'	37°26.2'
17	58°50.0'	7°40.6'	14°18.9'	28°09.5'	37°59.1'	58°57.4'	37°09.3'
18	59°19.8'	7°08.4'	14°50.7'	28°40.8'	38°28.2'	58°27.0'	36°52.6'
19	59°49.5'	6°36.4'	15°22.5'	29°12.0'	38°57.3'	57°56.6'	36°36.2'
20	60°19.2'	6°04.4'	15°54.2'	29°43.3'	39°26.4'	57°26.3'	36°20.2'
21	60°48.8'	5°32.5'	16°25.9'	30°14.6'	39°55.4'	56°56.1'	36°04.5'
22	61°18.4'	5°00.6'	16°57.5'	30°45.8'	40°24.3'	56°25.9'	35°49.2'
23	61°48.0'	4°28.9'	17°29.1'	31°17.0'	40°53.2'	55°55.8'	35°34.2'

Sat Nov 2, 2019 UTC

UTC	+Sun Lunar Dist.	-Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	+Venus Lunar Dist.	-Formalhaut Lunar Dist.	-Achernar Lunar Dist.
0	62°17.5'	3°57.2'	18°00.7'	31°48.3'	41°22.1'	55°25.7'	77°01.2'
1	62°46.9'	3°25.7'	18°32.2'	32°19.5'	41°51.0'	54°55.7'	76°43.7'
2	63°16.4'	2°54.4'	19°03.7'	32°50.7'	42°19.8'	54°25.8'	76°26.2'
3	63°45.8'	2°23.4'	19°35.2'	33°21.8'	42°48.5'	53°55.9'	76°08.9'
4	64°15.1'	–	20°06.6'	33°53.0'	43°17.3'	53°26.1'	75°51.6'
5	64°44.4'	–	20°38.0'	34°24.2'	43°46.0'	52°56.4'	75°34.3'
6	65°13.7'	–	21°09.3'	34°55.3'	44°14.6'	52°26.7'	75°17.2'
7	65°42.9'	–	21°40.7'	35°26.4'	44°43.3'	51°57.1'	75°00.1'
8	66°12.1'	–	22°11.9'	35°57.5'	45°11.8'	51°27.6'	74°43.1'
9	66°41.3'	–	22°43.2'	36°28.5'	45°40.4'	50°58.1'	74°26.2'
10	67°10.4'	–	23°14.4'	36°59.6'	46°08.9'	50°28.8'	74°09.4'
11	67°39.5'	1°59.8'	23°45.5'	37°30.6'	46°37.4'	49°59.4'	73°52.6'
12	68°08.6'	2°30.2'	24°16.7'	38°01.6'	47°05.8'	49°30.2'	73°36.0'
13	68°37.6'	3°00.9'	24°47.8'	38°32.6'	47°34.2'	49°01.0'	73°19.4'
14	69°06.5'	3°31.8'	25°18.8'	39°03.6'	48°02.6'	48°31.9'	73°02.9'
15	69°35.5'	4°02.8'	25°49.8'	39°34.5'	48°30.9'	48°02.9'	72°46.4'
16	70°04.4'	4°33.8'	26°20.8'	40°05.4'	48°59.2'	47°33.9'	72°30.1'
17	70°33.3'	5°04.9'	26°51.8'	40°36.3'	49°27.4'	47°05.1'	72°13.8'
18	71°02.1'	5°35.9'	27°22.7'	41°07.2'	49°55.7'	46°36.3'	71°57.7'
19	71°30.9'	6°07.0'	27°53.6'	41°38.0'	50°23.8'	46°07.5'	71°41.6'
20	71°59.6'	6°38.0'	28°24.4'	42°08.8'	50°52.0'	45°38.9'	71°25.6'
21	72°28.4'	7°09.1'	28°55.2'	42°39.6'	51°20.1'	45°10.3'	71°09.7'
22	72°57.0'	7°40.1'	29°26.0'	43°10.4'	51°48.2'	44°41.8'	70°53.9'
23	73°25.7'	8°11.1'	29°56.7'	43°41.1'	52°16.3'	44°13.4'	70°38.2'

## Sun Nov 3, 2019 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.	+Venus Lunar Dist.	-Achernar Lunar Dist.
0	73°54.3'	8°42.1'	30°27.4'	44°11.9'	43°45.1'	52°44.3'	70°22.5'
1	74°22.9'	9°13.0'	30°58.1'	44°42.5'	43°16.9'	53°12.3'	70°07.0'
2	74°51.4'	9°43.9'	31°28.7'	45°13.2'	42°48.7'	53°40.2'	69°51.5'
3	75°20.0'	10°14.8'	31°59.4'	45°43.9'	42°20.6'	54°08.1'	69°36.2'
4	75°48.5'	10°45.7'	32°29.9'	46°14.5'	41°52.7'	54°36.0'	69°20.9'
5	76°16.9'	11°16.5'	33°00.5'	46°45.1'	41°24.8'	55°03.9'	69°05.8'
6	76°45.3'	11°47.3'	33°31.0'	47°15.6'	40°57.0'	55°31.7'	68°50.7'
7	77°13.7'	12°18.1'	34°01.5'	47°46.2'	40°29.3'	55°59.5'	68°35.8'
8	77°42.1'	12°48.8'	34°31.9'	48°16.7'	40°01.7'	56°27.2'	68°20.9'
9	78°10.4'	13°19.6'	35°02.3'	48°47.2'	39°34.2'	56°55.0'	68°06.2'
10	78°38.7'	13°50.2'	35°32.7'	49°17.7'	39°06.7'	57°22.7'	67°51.5'
11	79°07.0'	14°20.9'	36°03.0'	49°48.1'	38°39.4'	57°50.3'	67°36.9'
12	79°35.2'	14°51.5'	36°33.4'	50°18.6'	38°12.2'	58°18.0'	67°22.5'
13	80°03.4'	15°22.1'	37°03.7'	50°49.0'	37°45.1'	58°45.6'	67°08.1'
14	80°31.6'	15°52.7'	37°33.9'	51°19.3'	37°18.1'	59°13.2'	66°53.9'
15	80°59.7'	16°23.2'	38°04.2'	51°49.7'	36°51.2'	59°40.7'	66°39.8'
16	81°27.8'	16°53.8'	38°34.4'	52°20.0'	36°24.5'	60°08.3'	66°25.7'
17	81°55.9'	17°24.2'	39°04.5'	52°50.3'	35°57.8'	60°35.7'	66°11.8'
18	82°24.0'	17°54.7'	39°34.7'	53°20.6'	35°31.3'	61°03.2'	65°58.0'
19	82°52.0'	18°25.1'	40°04.8'	53°50.9'	35°04.8'	61°30.7'	65°44.3'
20	83°20.0'	18°55.5'	40°34.9'	54°21.1'	34°38.5'	61°58.1'	65°30.7'
21	83°48.0'	19°25.9'	41°05.0'	54°51.3'	34°12.4'	62°25.5'	65°17.2'
22	84°15.9'	19°56.3'	41°35.0'	55°21.5'	33°46.3'	62°52.8'	65°03.8'
23	84°43.9'	20°26.6'	42°05.0'	55°51.7'	33°20.4'	63°20.2'	64°50.6'

## Mon Nov 4, 2019 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.	+Venus Lunar Dist.
0	85°11.8'	20°56.9'	42°35.0'	56°21.8'	32°54.7'	63°47.5'
1	85°39.6'	21°27.2'	43°04.9'	56°51.9'	32°29.1'	64°14.7'
2	86°07.5'	21°57.4'	43°34.9'	57°22.0'	32°03.6'	64°42.0'
3	86°35.3'	22°27.6'	44°04.8'	57°52.1'	31°38.3'	65°09.2'
4	87°03.1'	22°57.8'	44°34.7'	58°22.2'	31°13.1'	65°36.4'
5	87°30.9'	23°28.0'	45°04.5'	58°52.2'	30°48.1'	66°03.6'
6	87°58.6'	23°58.1'	45°34.4'	59°22.2'	30°23.3'	66°30.8'
7	88°26.3'	24°28.3'	46°04.2'	59°52.2'	29°58.6'	66°57.9'
8	88°54.0'	24°58.4'	46°34.0'	60°22.2'	29°34.1'	67°25.0'
9	89°21.7'	25°28.4'	47°03.7'	60°52.2'	29°09.8'	67°52.1'
10	89°49.4'	25°58.5'	47°33.5'	61°22.1'	28°45.7'	68°19.2'
11	90°17.0'	26°28.5'	48°03.2'	61°52.0'	28°21.8'	68°46.3'
12	90°44.6'	26°58.6'	48°32.9'	62°21.9'	27°58.0'	69°13.3'
13	91°12.2'	27°28.5'	49°02.5'	62°51.8'	27°34.5'	69°40.3'
14	91°39.8'	27°58.5'	49°32.2'	63°21.7'	27°11.3'	70°07.3'
15	92°07.3'	28°28.5'	50°01.8'	63°51.5'	26°48.2'	70°34.2'
16	92°34.8'	28°58.4'	50°31.4'	64°21.3'	26°25.4'	71°01.2'
17	93°02.4'	29°28.3'	51°01.0'	64°51.2'	26°02.8'	71°28.1'
18	93°29.8'	29°58.2'	51°30.6'	65°20.9'	25°40.5'	71°55.0'
19	93°57.3'	30°28.0'	52°00.2'	65°50.7'	25°18.4'	72°21.9'
20	94°24.8'	30°57.9'	52°29.7'	66°20.5'	24°56.6'	72°48.8'
21	94°52.2'	31°27.7'	52°59.2'	66°50.2'	24°35.1'	73°15.6'
22	95°19.6'	31°57.5'	53°28.7'	67°19.9'	24°13.9'	73°42.4'
23	95°47.0'	32°27.3'	53°58.2'	67°49.7'	23°53.0'	74°09.2'

Tue Nov 5, 2019 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	+Venus Lunar Dist.	-Aldebaran Lunar Dist.	-Formalhaut Lunar Dist.
0	96°14.4'	32°57.1'	54°27.6'	68°19.3'	74°36.0'	111°05.4'	23°32.4'
1	96°41.7'	33°26.9'	54°57.1'	68°49.0'	75°02.8'	110°35.5'	23°12.2'
2	97°09.1'	33°56.6'	55°26.5'	69°18.7'	75°29.6'	110°05.6'	22°52.3'
3	97°36.4'	34°26.3'	55°55.9'	69°48.3'	75°56.3'	109°35.8'	22°32.7'
4	98°03.7'	34°56.0'	56°25.3'	70°18.0'	76°23.1'	109°05.9'	22°13.6'
5	98°31.0'	35°25.7'	56°54.7'	70°47.6'	76°49.8'	108°36.1'	21°54.8'
6	98°58.3'	35°55.4'	57°24.1'	71°17.2'	77°16.5'	108°06.2'	21°36.4'
7	99°25.5'	36°25.1'	57°53.4'	71°46.8'	77°43.2'	107°36.4'	21°18.5'
8	99°52.8'	36°54.7'	58°22.7'	72°16.4'	78°09.8'	107°06.6'	21°01.0'
9	100°20.0'	37°24.4'	58°52.1'	72°45.9'	78°36.5'	106°36.9'	20°43.9'
10	100°47.2'	37°54.0'	59°21.4'	73°15.5'	79°03.1'	106°07.1'	20°27.3'
11	101°14.4'	38°23.6'	59°50.7'	73°45.0'	79°29.8'	105°37.3'	20°11.2'
12	101°41.6'	38°53.2'	60°19.9'	74°14.6'	79°56.4'	105°07.6'	19°55.6'
13	102°08.8'	39°22.8'	60°49.2'	74°44.1'	80°23.0'	104°37.9'	19°40.6'
14	102°36.0'	39°52.3'	61°18.5'	75°13.6'	80°49.6'	104°08.2'	19°26.1'
15	103°03.1'	40°21.9'	61°47.7'	75°43.1'	81°16.2'	103°38.5'	19°12.2'
16	103°30.3'	40°51.4'	62°16.9'	76°12.6'	81°42.7'	103°08.8'	18°58.8'
17	103°57.4'	41°21.0'	62°46.1'	76°42.1'	82°09.3'	102°39.1'	18°46.1'
18	104°24.5'	41°50.5'	63°15.3'	77°11.5'	82°35.8'	102°09.4'	18°34.0'
19	104°51.6'	42°20.0'	63°44.5'	77°41.0'	83°02.4'	101°39.8'	18°22.5'
20	105°18.7'	42°49.5'	64°13.7'	78°10.4'	83°28.9'	101°10.1'	18°11.7'
21	105°45.8'	43°19.0'	64°42.9'	78°39.9'	83°55.4'	100°40.5'	18°01.6'
22	106°12.9'	43°48.5'	65°12.1'	79°09.3'	84°21.9'	100°10.8'	17°52.2'
23	106°40.0'	44°17.9'	65°41.2'	79°38.7'	84°48.4'	99°41.2'	17°43.5'

Wed Nov 6, 2019 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Antares Lunar Dist.	-Aldebaran Lunar Dist.	+Venus Lunar Dist.	-Betelgeuse Lunar Dist.
0	107°07.0'	44°47.4'	66°10.4'	80°08.1'	99°11.6'	85°14.9'	116°07.0'
1	107°34.1'	45°16.9'	66°39.5'	80°37.5'	98°42.0'	85°41.4'	115°38.6'
2	108°01.1'	45°46.3'	67°08.6'	81°06.9'	98°12.4'	86°07.9'	115°10.2'
3	108°28.2'	46°15.8'	67°37.8'	81°36.3'	97°42.8'	86°34.4'	114°41.8'
4	108°55.2'	46°45.2'	68°06.9'	82°05.7'	97°13.2'	87°00.8'	114°13.4'
5	109°22.2'	47°14.6'	68°36.0'	82°35.1'	96°43.7'	87°27.3'	113°45.0'
6	109°49.2'	47°44.0'	69°05.1'	83°04.5'	96°14.1'	87°53.7'	113°16.6'
7	110°16.2'	48°13.4'	69°34.2'	83°33.8'	95°44.5'	88°20.2'	112°48.2'
8	110°43.2'	48°42.8'	70°03.3'	84°03.2'	95°15.0'	88°46.6'	112°19.8'
9	111°10.2'	49°12.2'	70°32.4'	84°32.6'	94°45.4'	89°13.0'	111°51.3'
10	111°37.2'	49°41.6'	71°01.4'	85°01.9'	94°15.9'	89°39.4'	111°22.9'
11	112°04.2'	50°11.0'	71°30.5'	85°31.3'	93°46.4'	90°05.9'	110°54.5'
12	112°31.2'	50°40.4'	71°59.6'	86°00.6'	93°16.8'	90°32.3'	110°26.1'
13	112°58.1'	51°09.8'	72°28.6'	86°29.9'	92°47.3'	90°58.7'	109°57.7'
14	113°25.1'	51°39.2'	72°57.7'	86°59.3'	92°17.8'	91°25.1'	109°29.2'
15	113°52.1'	52°08.5'	73°26.8'	87°28.6'	91°48.2'	91°51.5'	109°00.8'
16	114°19.0'	52°37.9'	73°55.8'	87°57.9'	91°18.7'	92°17.9'	108°32.4'
17	114°46.0'	53°07.3'	74°24.9'	88°27.3'	90°49.2'	92°44.3'	108°03.9'
18	115°13.0'	53°36.6'	74°53.9'	88°56.6'	90°19.7'	93°10.7'	107°35.5'
19	115°39.9'	54°06.0'	75°23.0'	89°25.9'	89°50.2'	93°37.1'	107°07.0'
20	116°06.9'	54°35.3'	75°52.0'	89°55.2'	89°20.7'	94°03.5'	106°38.6'
21	116°33.8'	55°04.7'	76°21.1'	90°24.5'	88°51.2'	94°29.9'	106°10.1'
22	117°00.8'	55°34.1'	76°50.1'	90°53.9'	88°21.7'	94°56.3'	105°41.7'
23	117°27.7'	56°03.4'	77°19.1'	91°23.2'	87°52.1'	95°22.6'	105°13.2'

Thu Nov 7, 2019 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Jupiter Lunar Dist.	-Aldebaran Lunar Dist.	+Antares Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.
0	117°54.6'	56°32.8'	77°48.2'	87°22.6'	91°52.5'	104°44.7'	51°17.9'
1	118°21.6'	57°02.1'	78°17.2'	86°53.1'	92°21.8'	104°16.3'	51°40.1'
2	118°48.5'	57°31.5'	78°46.2'	86°23.6'	92°51.1'	103°47.8'	52°02.4'
3	119°15.5'	58°00.8'	79°15.3'	85°54.1'	93°20.4'	103°19.3'	52°24.7'
4	119°42.4'	58°30.2'	79°44.3'	85°24.6'	93°49.8'	102°50.8'	52°47.2'
5	120°09.3'	58°59.5'	80°13.4'	84°55.1'	94°19.1'	102°22.3'	53°09.7'
6	120°36.3'	59°28.9'	80°42.4'	84°25.6'	94°48.4'	101°53.8'	53°32.3'
7	121°03.2'	59°58.2'	81°11.4'	83°56.1'	95°17.7'	101°25.3'	53°55.0'
8	121°30.2'	60°27.6'	81°40.5'	83°26.6'	95°47.0'	100°56.8'	54°17.8'
9	121°57.1'	60°57.0'	82°09.5'	82°57.1'	96°16.3'	100°28.3'	54°40.6'
10	122°24.1'	61°26.3'	82°38.6'	82°27.6'	96°45.7'	99°59.8'	55°03.6'
11	122°51.0'	61°55.7'	83°07.6'	81°58.0'	97°15.0'	99°31.3'	55°26.6'
12	123°18.0'	62°25.1'	83°36.7'	81°28.5'	97°44.3'	99°02.7'	55°49.6'
13	123°44.9'	62°54.4'	84°05.8'	80°59.0'	98°13.7'	98°34.2'	56°12.8'
14	124°11.9'	63°23.8'	84°34.8'	80°29.5'	98°43.0'	98°05.7'	56°36.0'
15	124°38.8'	63°53.2'	85°03.9'	79°59.9'	99°12.3'	97°37.1'	56°59.2'
16	125°05.8'	64°22.6'	85°33.0'	79°30.4'	99°41.7'	97°08.6'	57°22.6'
17	125°32.8'	64°52.0'	86°02.0'	79°00.8'	100°11.0'	96°40.0'	57°46.0'
18	125°59.8'	65°21.4'	86°31.1'	78°31.3'	100°40.4'	96°11.4'	58°09.4'
19	126°26.7'	65°50.8'	87°00.2'	78°01.7'	101°09.7'	95°42.9'	58°32.9'
20	126°53.7'	66°20.2'	87°29.3'	77°32.2'	101°39.1'	95°14.3'	58°56.5'
21	127°20.7'	66°49.6'	87°58.4'	77°02.6'	102°08.5'	94°45.7'	59°20.2'
22	127°47.7'	67°19.0'	88°27.5'	76°33.1'	102°37.8'	94°17.1'	59°43.9'
23	128°14.7'	67°48.4'	88°56.6'	76°03.5'	103°07.2'	93°48.5'	60°07.6'

Fri Nov 8, 2019 UTC

UTC	+Saturn Lunar Dist.	-Aldebaran Lunar Dist.	+Jupiter Lunar Dist.	-Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	+Antares Lunar Dist.	-Capella Lunar Dist.
0	68°17.8'	75°33.9'	89°25.7'	93°19.9'	25°18.4'	103°36.6'	90°03.7'
1	68°47.3'	75°04.3'	89°54.8'	92°51.3'	25°40.2'	104°06.0'	89°36.7'
2	69°16.7'	74°34.7'	90°24.0'	92°22.6'	26°02.2'	104°35.4'	89°09.7'
3	69°46.2'	74°05.1'	90°53.1'	91°54.0'	26°24.4'	105°04.8'	88°42.7'
4	70°15.6'	73°35.5'	91°22.2'	91°25.4'	26°46.9'	105°34.2'	88°15.7'
5	70°45.1'	73°05.9'	91°51.4'	90°56.7'	27°09.6'	106°03.6'	87°48.7'
6	71°14.6'	72°36.3'	92°20.6'	90°28.1'	27°32.5'	106°33.0'	87°21.6'
7	71°44.1'	72°06.6'	92°49.7'	89°59.4'	27°55.6'	107°02.4'	86°54.6'
8	72°13.5'	71°37.0'	93°18.9'	89°30.7'	28°18.8'	107°31.9'	86°27.6'
9	72°43.0'	71°07.3'	93°48.1'	89°02.0'	28°42.3'	108°01.3'	86°00.5'
10	73°12.6'	70°37.7'	94°17.3'	88°33.4'	29°06.0'	108°30.7'	85°33.5'
11	73°42.1'	70°08.0'	94°46.5'	88°04.7'	29°29.8'	109°00.2'	85°06.4'
12	74°11.6'	69°38.3'	95°15.7'	87°35.9'	29°53.8'	109°29.7'	84°39.4'
13	74°41.1'	69°08.6'	95°44.9'	87°07.2'	30°18.0'	109°59.1'	84°12.3'
14	75°10.7'	68°39.0'	96°14.2'	86°38.5'	30°42.3'	110°28.6'	83°45.2'
15	75°40.2'	68°09.2'	96°43.4'	86°09.8'	31°06.8'	110°58.1'	83°18.2'
16	76°09.8'	67°39.5'	97°12.7'	85°41.0'	31°31.4'	111°27.6'	82°51.1'
17	76°39.4'	67°09.8'	97°41.9'	85°12.3'	31°56.2'	111°57.1'	82°24.0'
18	77°09.0'	66°40.1'	98°11.2'	84°43.5'	32°21.0'	112°26.6'	81°56.9'
19	77°38.6'	66°10.3'	98°40.5'	84°14.7'	32°46.1'	112°56.2'	81°29.8'
20	78°08.2'	65°40.5'	99°09.8'	83°45.9'	33°11.2'	113°25.7'	81°02.7'
21	78°37.8'	65°10.8'	99°39.1'	83°17.1'	33°36.5'	113°55.3'	80°35.6'
22	79°07.5'	64°41.0'	100°08.4'	82°48.3'	34°01.9'	114°24.8'	80°08.5'
23	79°37.1'	64°11.2'	100°37.8'	82°19.5'	34°27.4'	114°54.4'	79°41.4'

## Sat Nov 9, 2019 UTC

UTC	−Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.	+Saturn Lunar Dist.	−Betelgeuse Lunar Dist.	+Jupiter Lunar Dist.	−Capella Lunar Dist.	−Pollux Lunar Dist.
0	63°41.4'	34°53.0'	80°06.8'	81°50.7'	101°07.1'	79°14.3'	107°50.4'
1	63°11.5'	35°18.7'	80°36.5'	81°21.9'	101°36.5'	78°47.2'	107°20.7'
2	62°41.7'	35°44.6'	81°06.1'	80°53.0'	102°05.8'	78°20.1'	106°50.9'
3	62°11.9'	36°10.5'	81°35.8'	80°24.2'	102°35.2'	77°53.0'	106°21.2'
4	61°42.0'	36°36.6'	82°05.6'	79°55.3'	103°04.6'	77°25.9'	105°51.4'
5	61°12.1'	37°02.7'	82°35.3'	79°26.5'	103°34.1'	76°58.7'	105°21.6'
6	60°42.2'	37°28.9'	83°05.0'	78°57.6'	104°03.5'	76°31.6'	104°51.9'
7	60°12.3'	37°55.2'	83°34.8'	78°28.7'	104°32.9'	76°04.5'	104°22.1'
8	59°42.4'	38°21.6'	84°04.6'	77°59.8'	105°02.4'	75°37.4'	103°52.2'
9	59°12.5'	38°48.1'	84°34.3'	77°30.9'	105°31.8'	75°10.2'	103°22.4'
10	58°42.6'	39°14.7'	85°04.1'	77°02.0'	106°01.3'	74°43.1'	102°52.5'
11	58°12.6'	39°41.3'	85°34.0'	76°33.0'	106°30.8'	74°16.0'	102°22.7'
12	57°42.6'	40°08.1'	86°03.8'	76°04.1'	107°00.4'	73°48.8'	101°52.8'
13	57°12.6'	40°34.9'	86°33.6'	75°35.1'	107°29.9'	73°21.7'	101°22.9'
14	56°42.6'	41°01.8'	87°03.5'	75°06.2'	107°59.4'	72°54.6'	100°53.0'
15	56°12.6'	41°28.7'	87°33.4'	74°37.2'	108°29.0'	72°27.5'	100°23.0'
16	55°42.6'	41°55.8'	88°03.3'	74°08.2'	108°58.6'	72°00.3'	99°53.1'
17	55°12.5'	42°22.9'	88°33.2'	73°39.2'	109°28.2'	71°33.2'	99°23.1'
18	54°42.5'	42°50.1'	89°03.1'	73°10.2'	109°57.8'	71°06.1'	98°53.2'
19	54°12.4'	43°17.3'	89°33.0'	72°41.2'	110°27.4'	70°39.0'	98°23.2'
20	53°42.3'	43°44.6'	90°03.0'	72°12.2'	110°57.0'	70°11.8'	97°53.1'
21	53°12.2'	44°12.0'	90°33.0'	71°43.2'	111°26.7'	69°44.7'	97°23.1'
22	52°42.1'	44°39.4'	91°02.9'	71°14.1'	111°56.4'	69°17.6'	96°53.1'
23	52°11.9'	45°06.9'	91°32.9'	70°45.1'	112°26.1'	68°50.5'	96°23.0'

## Sun Nov 10, 2019 UTC

UTC	−Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.	−Betelgeuse Lunar Dist.	+Saturn Lunar Dist.	−Pollux Lunar Dist.	−Capella Lunar Dist.	−Procyon Lunar Dist.
0	51°41.8'	45°34.5'	70°16.0'	92°03.0'	95°52.9'	68°23.4'	96°10.9'
1	51°11.6'	46°02.1'	69°47.0'	92°33.0'	95°22.8'	67°56.3'	95°42.1'
2	50°41.4'	46°29.8'	69°17.9'	93°03.1'	94°52.7'	67°29.2'	95°13.2'
3	50°11.2'	46°57.5'	68°48.8'	93°33.1'	94°22.6'	67°02.1'	94°44.3'
4	49°41.0'	47°25.3'	68°19.7'	94°03.2'	93°52.4'	66°35.0'	94°15.5'
5	49°10.7'	47°53.1'	67°50.6'	94°33.3'	93°22.2'	66°08.0'	93°46.5'
6	48°40.5'	48°21.0'	67°21.5'	95°03.5'	92°52.1'	65°40.9'	93°17.6'
7	48°10.2'	48°49.0'	66°52.4'	95°33.6'	92°21.9'	65°13.8'	92°48.6'
8	47°39.9'	49°17.0'	66°23.2'	96°03.8'	91°51.6'	64°46.8'	92°19.7'
9	47°09.6'	49°45.0'	65°54.1'	96°34.0'	91°21.4'	64°19.8'	91°50.7'
10	46°39.3'	50°13.1'	65°25.0'	97°04.2'	90°51.1'	63°52.7'	91°21.7'
11	46°08.9'	50°41.3'	64°55.8'	97°34.4'	90°20.8'	63°25.7'	90°52.6'
12	45°38.6'	51°09.5'	64°26.6'	98°04.6'	89°50.5'	62°58.7'	90°23.6'
13	45°08.2'	51°37.7'	63°57.5'	98°34.9'	89°20.2'	62°31.7'	89°54.5'
14	44°37.8'	52°06.1'	63°28.3'	99°05.2'	88°49.9'	62°04.7'	89°25.4'
15	44°07.4'	52°34.4'	62°59.1'	99°35.5'	88°19.5'	61°37.8'	88°56.3'
16	43°37.0'	53°02.8'	62°29.9'	100°05.8'	87°49.1'	61°10.8'	88°27.2'
17	43°06.5'	53°31.2'	62°00.7'	100°36.1'	87°18.7'	60°43.9'	87°58.1'
18	42°36.0'	53°59.7'	61°31.5'	101°06.5'	86°48.3'	60°17.0'	87°28.9'
19	42°05.6'	54°28.2'	61°02.3'	101°36.8'	86°17.9'	59°50.1'	86°59.8'
20	41°35.1'	54°56.8'	60°33.1'	102°07.2'	85°47.4'	59°23.2'	86°30.6'
21	41°04.5'	55°25.4'	60°03.9'	102°37.6'	85°17.0'	58°56.3'	86°01.4'
22	40°34.0'	55°54.1'	59°34.7'	103°08.1'	84°46.5'	58°29.5'	85°32.1'
23	40°03.4'	56°22.8'	59°05.4'	103°38.5'	84°16.0'	58°02.6'	85°02.9'

Mon Nov 11, 2019 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Pollux Lunar Dist.	−Capella Lunar Dist.	−Procyon Lunar Dist.	+Saturn Lunar Dist.
0	39°32.9'	58°36.2'	56°51.5'	83°45.4'	57°35.8'	84°33.6'	104°09.0'
1	39°02.3'	58°07.0'	57°20.3'	83°14.9'	57°09.1'	84°04.4'	104°39.5'
2	38°31.7'	57°37.7'	57°49.1'	82°44.3'	56°42.3'	83°35.1'	105°10.0'
3	38°01.0'	57°08.5'	58°18.0'	82°13.7'	56°15.6'	83°05.8'	105°40.5'
4	37°30.4'	56°39.2'	58°46.9'	81°43.1'	55°48.9'	82°36.4'	106°11.1'
5	36°59.7'	56°10.0'	59°15.8'	81°12.5'	55°22.2'	82°07.1'	106°41.7'
6	36°29.0'	55°40.7'	59°44.8'	80°41.8'	54°55.6'	81°37.7'	107°12.2'
7	35°58.3'	55°11.5'	60°13.8'	80°11.1'	54°28.9'	81°08.4'	107°42.9'
8	35°27.6'	54°42.2'	60°42.9'	79°40.4'	54°02.4'	80°39.0'	108°13.5'
9	34°56.9'	54°13.0'	61°12.0'	79°09.7'	53°35.8'	80°09.6'	108°44.2'
10	34°26.1'	53°43.7'	61°41.1'	78°39.0'	53°09.3'	79°40.1'	109°14.8'
11	33°55.3'	53°14.5'	62°10.3'	78°08.2'	52°42.8'	79°10.7'	109°45.5'
12	33°24.6'	52°45.2'	62°39.5'	77°37.4'	52°16.4'	78°41.3'	110°16.3'
13	32°53.7'	52°16.0'	63°08.7'	77°06.6'	51°50.0'	78°11.8'	110°47.0'
14	32°22.9'	51°46.8'	63°38.0'	76°35.8'	51°23.6'	77°42.3'	111°17.8'
15	31°52.1'	51°17.5'	64°07.3'	76°05.0'	50°57.3'	77°12.8'	111°48.5'
16	31°21.2'	50°48.3'	64°36.6'	75°34.1'	50°31.1'	76°43.3'	112°19.3'
17	30°50.3'	50°19.1'	65°06.0'	75°03.2'	50°04.9'	76°13.8'	112°50.2'
18	30°19.5'	49°49.8'	65°35.4'	74°32.3'	49°38.7'	75°44.2'	113°21.0'
19	29°48.5'	49°20.6'	66°04.8'	74°01.4'	49°12.6'	75°14.7'	113°51.9'
20	29°17.6'	48°51.4'	66°34.3'	73°30.5'	48°46.5'	74°45.1'	114°22.8'
21	28°46.7'	48°22.2'	67°03.8'	72°59.5'	48°20.5'	74°15.5'	114°53.7'
22	28°15.7'	47°53.0'	67°33.4'	72°28.5'	47°54.5'	73°46.0'	115°24.6'
23	27°44.7'	47°23.9'	68°03.0'	71°57.5'	47°28.6'	73°16.4'	115°55.6'

Tue Nov 12, 2019 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	−Pollux Lunar Dist.	+Formalhaut Lunar Dist.	−Procyon Lunar Dist.	−Capella Lunar Dist.	−Regulus Lunar Dist.
0	27°13.8'	46°54.7'	71°26.5'	68°32.6'	72°46.7'	47°02.8'	107°19.4'
1	26°42.8'	46°25.5'	70°55.5'	69°02.2'	72°17.1'	46°37.1'	106°48.2'
2	26°11.7'	45°56.4'	70°24.4'	69°31.9'	71°47.5'	46°11.4'	106°17.1'
3	25°40.7'	45°27.3'	69°53.3'	70°01.6'	71°17.8'	45°45.7'	105°45.9'
4	25°09.7'	44°58.2'	69°22.2'	70°31.3'	70°48.2'	45°20.2'	105°14.7'
5	24°38.6'	44°29.1'	68°51.1'	71°01.1'	70°18.5'	44°54.7'	104°43.4'
6	24°07.5'	44°00.0'	68°19.9'	71°30.9'	69°48.8'	44°29.3'	104°12.2'
7	23°36.5'	43°31.0'	67°48.7'	72°00.7'	69°19.1'	44°04.0'	103°40.9'
8	23°05.4'	43°02.0'	67°17.5'	72°30.5'	68°49.4'	43°38.8'	103°09.6'
9	22°34.3'	42°33.0'	66°46.3'	73°00.4'	68°19.7'	43°13.6'	102°38.3'
10	22°03.1'	42°04.0'	66°15.1'	73°30.3'	67°50.0'	42°48.6'	102°07.0'
11	21°32.0'	41°35.0'	65°43.8'	74°00.3'	67°20.2'	42°23.6'	101°35.6'
12	21°00.9'	41°06.1'	65°12.6'	74°30.2'	66°50.5'	41°58.8'	101°04.2'
13	20°29.8'	40°37.2'	64°41.3'	75°00.2'	66°20.7'	41°34.0'	100°32.8'
14	19°58.6'	40°08.4'	64°09.9'	75°30.3'	65°51.0'	41°09.4'	100°01.4'
15	19°27.5'	39°39.6'	63°38.6'	76°00.3'	65°21.2'	40°44.8'	99°29.9'
16	18°56.3'	39°10.8'	63°07.2'	76°30.4'	64°51.5'	40°20.4'	98°58.5'
17	18°25.2'	38°42.0'	62°35.9'	77°00.5'	64°21.7'	39°56.1'	98°27.0'
18	17°54.0'	38°13.3'	62°04.5'	77°30.7'	63°51.9'	39°31.9'	97°55.4'
19	17°22.9'	37°44.7'	61°33.1'	78°00.8'	63°22.1'	39°07.9'	97°23.9'
20	16°51.8'	37°16.1'	61°01.6'	78°31.0'	62°52.3'	38°44.0'	96°52.3'
21	16°20.6'	36°47.5'	60°30.1'	79°01.2'	62°22.5'	38°20.2'	96°20.7'
22	15°49.5'	36°19.0'	59°58.7'	79°31.5'	61°52.8'	37°56.6'	95°49.1'
23	15°18.4'	35°50.6'	59°27.2'	80°01.7'	61°23.0'	37°33.1'	95°17.5'

Wed Nov 13, 2019 UTC

UTC	−Aldebaran Lunar Dist.	−Pollux Lunar Dist.	−Betelgeuse Lunar Dist.	−Procyon Lunar Dist.	+Formalhaut Lunar Dist.	−Regulus Lunar Dist.	−Capella Lunar Dist.
0	14°47.3'	58°55.6'	35°22.2'	60°53.2'	80°32.0'	94°45.8'	37°09.8'
1	14°16.3'	58°24.1'	34°53.9'	60°23.4'	81°02.4'	94°14.2'	36°46.7'
2	13°45.2'	57°52.5'	34°25.6'	59°53.5'	81°32.7'	93°42.5'	36°23.7'
3	13°14.2'	57°21.0'	33°57.4'	59°23.7'	82°03.1'	93°10.8'	36°00.9'
4	12°43.3'	56°49.4'	33°29.3'	58°53.9'	82°33.5'	92°39.0'	35°38.2'
5	12°12.4'	56°17.7'	33°01.3'	58°24.1'	83°03.9'	92°07.2'	35°15.8'
6	11°41.5'	55°46.1'	32°33.3'	57°54.3'	83°34.4'	91°35.5'	34°53.6'
7	11°10.8'	55°14.4'	32°05.5'	57°24.5'	84°04.8'	91°03.7'	34°31.5'
8	10°40.1'	54°42.8'	31°37.7'	56°54.7'	84°35.3'	90°31.8'	34°09.7'
9	10°09.5'	54°11.1'	31°10.0'	56°25.0'	85°05.8'	89°60.0'	33°48.1'
10	9°39.0'	53°39.4'	30°42.5'	55°55.2'	85°36.4'	89°28.1'	33°26.7'
11	9°08.7'	53°07.6'	30°15.0'	55°25.4'	86°06.9'	88°56.2'	33°05.5'
12	8°38.5'	52°35.9'	29°47.7'	54°55.6'	86°37.5'	88°24.3'	32°44.6'
13	8°08.6'	52°04.1'	29°20.5'	54°25.8'	87°08.1'	87°52.3'	32°24.0'
14	7°38.9'	51°32.3'	28°53.4'	53°56.1'	87°38.8'	87°20.4'	32°03.6'
15	7°09.5'	51°00.5'	28°26.5'	53°26.3'	88°09.4'	86°48.4'	31°43.5'
16	6°40.6'	50°28.7'	27°59.7'	52°56.6'	88°40.1'	86°16.4'	31°23.6'
17	6°12.1'	49°56.8'	27°33.0'	52°26.9'	89°10.8'	85°44.3'	31°04.1'
18	5°44.2'	49°24.9'	27°06.5'	51°57.2'	89°41.5'	85°12.3'	30°44.9'
19	−	48°53.1'	26°40.2'	51°27.5'	90°12.3'	84°40.2'	30°25.9'
20	−	48°21.2'	26°14.1'	50°57.8'	90°43.0'	84°08.1'	30°07.3'
21	−	47°49.2'	25°48.2'	50°28.1'	91°13.8'	83°36.0'	29°49.1'
22	−	47°17.3'	25°22.4'	49°58.5'	91°44.6'	83°03.9'	29°31.1'
23	−	46°45.3'	24°56.9'	49°28.8'	92°15.5'	82°31.7'	29°13.6'

Thu Nov 14, 2019 UTC

UTC	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Regulus Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Capella Lunar Dist.	−Sirius Lunar Dist.
0	46°13.4'	48°59.2'	81°59.5'	24°31.6'	92°46.3'	28°56.4'	49°25.5'
1	45°41.4'	48°29.6'	81°27.3'	24°06.6'	93°17.2'	28°39.6'	49°08.3'
2	45°09.4'	48°00.1'	80°55.1'	23°41.8'	93°48.0'	28°23.2'	48°51.3'
3	44°37.4'	47°30.5'	80°22.9'	23°17.3'	94°19.0'	28°07.2'	48°34.4'
4	44°05.3'	47°01.0'	79°50.6'	22°53.1'	94°49.9'	27°51.6'	48°17.8'
5	43°33.3'	46°31.5'	79°18.3'	22°29.2'	95°20.8'	27°36.4'	48°01.3'
6	43°01.2'	46°02.1'	78°46.0'	22°05.6'	95°51.8'	27°21.7'	47°45.0'
7	42°29.1'	45°32.6'	78°13.7'	21°42.3'	96°22.8'	27°07.5'	47°28.9'
8	41°57.0'	45°03.2'	77°41.3'	21°19.5'	96°53.7'	26°53.8'	47°13.0'
9	41°24.9'	44°33.9'	77°08.9'	20°57.0'	97°24.8'	26°40.5'	46°57.3'
10	40°52.8'	44°04.6'	76°36.5'	20°34.9'	97°55.8'	26°27.7'	46°41.9'
11	40°20.6'	43°35.3'	76°04.1'	20°13.2'	98°26.8'	26°15.5'	46°26.6'
12	39°48.5'	43°06.0'	75°31.7'	19°52.0'	98°57.9'	26°03.7'	46°11.6'
13	39°16.3'	42°36.9'	74°59.2'	19°31.3'	99°29.0'	25°52.6'	45°56.8'
14	38°44.1'	42°07.7'	74°26.7'	19°11.1'	100°00.1'	25°41.9'	45°42.2'
15	38°12.0'	41°38.6'	73°54.2'	18°51.4'	100°31.2'	25°31.9'	45°27.8'
16	37°39.7'	41°09.6'	73°21.7'	18°32.3'	101°02.3'	25°22.4'	45°13.7'
17	37°07.5'	40°40.6'	72°49.2'	18°13.8'	101°33.5'	25°13.5'	44°59.8'
18	36°35.3'	40°11.6'	72°16.6'	17°56.0'	102°04.6'	25°05.2'	44°46.2'
19	36°03.1'	39°42.8'	71°44.0'	17°38.8'	102°35.8'	24°57.6'	44°32.8'
20	35°30.8'	39°13.9'	71°11.4'	17°22.3'	103°07.0'	24°50.6'	44°19.7'
21	34°58.6'	38°45.2'	70°38.8'	17°06.6'	103°38.2'	24°44.2'	44°06.8'
22	34°26.3'	38°16.5'	70°06.1'	−	104°09.4'	24°38.4'	43°54.2'
23	33°54.0'	37°47.9'	69°33.5'	−	104°40.6'	24°33.3'	43°41.9'

Fri Nov 15, 2019 UTC

UTC	+Aldebaran Lunar Dist.	-Pollux Lunar Dist.	-Regulus Lunar Dist.	-Procyon Lunar Dist.	+Formalhaut Lunar Dist.	-Arcturus Lunar Dist.	+Achernar Lunar Dist.
0	11°40.8'	33°21.7'	69°00.8'	37°19.4'	105°11.9'	119°09.1'	91°25.8'
1	12°12.5'	32°49.4'	68°28.1'	36°51.0'	105°43.1'	118°40.7'	91°44.8'
2	12°44.4'	32°17.1'	67°55.4'	36°22.6'	106°14.4'	118°12.2'	92°03.8'
3	13°16.3'	31°44.8'	67°22.6'	35°54.3'	106°45.6'	117°43.6'	92°22.8'
4	13°48.3'	31°12.5'	66°49.8'	35°26.2'	107°16.9'	117°15.0'	92°41.7'
5	14°20.5'	30°40.2'	66°17.0'	34°58.1'	107°48.2'	116°46.3'	93°00.7'
6	14°52.7'	30°07.9'	65°44.2'	34°30.2'	108°19.5'	116°17.5'	93°19.7'
7	15°24.9'	29°35.6'	65°11.4'	34°02.3'	108°50.9'	115°48.7'	93°38.7'
8	15°57.2'	29°03.3'	64°38.6'	33°34.6'	109°22.2'	115°19.9'	93°57.7'
9	16°29.6'	28°31.0'	64°05.7'	33°07.0'	109°53.5'	114°51.0'	94°16.6'
10	17°02.1'	27°58.7'	63°32.8'	32°39.5'	110°24.9'	114°22.0'	94°35.6'
11	17°34.5'	27°26.3'	62°59.9'	32°12.1'	110°56.2'	113°53.0'	94°54.6'
12	18°07.1'	26°54.0'	62°27.0'	31°44.9'	111°27.6'	113°24.0'	95°13.6'
13	18°39.7'	26°21.7'	61°54.0'	31°17.9'	111°59.0'	112°54.9'	95°32.5'
14	19°12.3'	25°49.5'	61°21.0'	30°51.0'	112°30.3'	112°25.7'	95°51.5'
15	19°45.0'	25°17.2'	60°48.1'	30°24.2'	113°01.7'	111°56.5'	96°10.4'
16	20°17.7'	24°44.9'	60°15.0'	29°57.7'	113°33.1'	111°27.3'	96°29.3'
17	20°50.4'	24°12.7'	59°42.0'	29°31.3'	114°04.5'	110°58.0'	96°48.2'
18	21°23.2'	23°40.4'	59°09.0'	29°05.1'	114°35.9'	110°28.6'	97°07.1'
19	21°56.1'	23°08.2'	58°35.9'	28°39.1'	115°07.3'	109°59.2'	97°26.0'
20	22°28.9'	22°36.0'	58°02.8'	28°13.4'	115°38.7'	109°29.8'	97°44.9'
21	23°01.8'	22°03.9'	57°29.7'	27°47.8'	116°10.1'	109°00.3'	98°03.7'
22	23°34.8'	21°31.7'	56°56.6'	27°22.5'	116°41.6'	108°30.8'	98°22.6'
23	24°07.7'	20°59.6'	56°23.4'	26°57.5'	117°13.0'	108°01.3'	98°41.4'

Sat Nov 16, 2019 UTC

UTC	+Aldebaran Lunar Dist.	-Pollux Lunar Dist.	-Regulus Lunar Dist.	-Spica Lunar Dist.	-Procyon Lunar Dist.	-Mars Lunar Dist.	+Formalhaut Lunar Dist.
0	24°40.7'	20°27.6'	55°50.3'	109°48.5'	26°32.7'	113°33.2'	117°44.4'
1	25°13.8'	19°55.5'	55°17.1'	109°15.5'	26°08.2'	113°01.6'	118°15.8'
2	25°46.8'	19°23.6'	54°43.9'	108°42.5'	25°43.9'	112°30.1'	118°47.2'
3	26°19.9'	18°51.7'	54°10.7'	108°09.5'	25°20.0'	111°58.5'	119°18.7'
4	26°53.0'	18°19.8'	53°37.4'	107°36.4'	24°56.4'	111°26.9'	119°50.1'
5	27°26.2'	17°48.0'	53°04.2'	107°03.3'	24°33.1'	110°55.3'	120°21.5'
6	27°59.3'	17°16.3'	52°30.9'	106°30.2'	24°10.2'	110°23.7'	120°52.9'
7	28°32.5'	16°44.7'	51°57.6'	105°57.1'	23°47.7'	109°52.0'	121°24.3'
8	29°05.7'	16°13.1'	51°24.3'	105°24.0'	23°25.6'	109°20.3'	121°55.7'
9	29°39.0'	15°41.7'	50°51.0'	104°50.8'	23°03.8'	108°48.6'	122°27.1'
10	30°12.3'	15°10.4'	50°17.6'	104°17.6'	22°42.5'	108°16.9'	122°58.5'
11	30°45.6'	14°39.2'	49°44.2'	103°44.4'	22°21.7'	107°45.2'	123°29.9'
12	31°18.9'	14°08.2'	49°10.9'	103°11.2'	22°01.3'	107°13.4'	124°01.3'
13	31°52.3'	13°37.4'	48°37.5'	102°37.9'	21°41.5'	106°41.6'	124°32.7'
14	32°25.7'	13°06.7'	48°04.0'	102°04.7'	21°22.2'	106°09.8'	125°04.1'
15	32°59.1'	12°36.3'	47°30.6'	101°31.4'	21°03.4'	105°38.0'	125°35.4'
16	33°32.5'	12°06.1'	46°57.1'	100°58.0'	20°45.2'	105°06.2'	126°06.8'
17	34°05.9'	11°36.2'	46°23.7'	100°24.7'	20°27.7'	104°34.3'	126°38.1'
18	34°39.4'	11°06.7'	45°50.2'	99°51.4'	20°10.7'	104°02.4'	127°09.4'
19	35°12.9'	10°37.5'	45°16.7'	99°18.0'	19°54.5'	103°30.5'	127°40.7'
20	35°46.4'	10°08.8'	44°43.1'	98°44.6'	19°38.9'	102°58.6'	128°12.0'
21	36°20.0'	9°40.5'	44°09.6'	98°11.2'	19°24.1'	102°26.7'	128°43.3'
22	36°53.6'	9°12.9'	43°36.0'	97°37.7'	19°10.0'	101°54.7'	129°14.5'
23	37°27.2'	8°46.0'	43°02.4'	97°04.3'	-	101°22.7'	129°45.8'



Sun Nov 17, 2019 UTC

UTC	+Aldebaran Lunar Dist.	-Regulus Lunar Dist.	+Betelgeuse Lunar Dist.	-Spica Lunar Dist.	-Mars Lunar Dist.	-Arcturus Lunar Dist.	+Rigel Lunar Dist.
0	38°00.8'	42°28.8'	24°52.1'	96°30.8'	100°50.7'	95°31.3'	43°03.7'
1	38°34.4'	41°55.2'	25°18.8'	95°57.3'	100°18.7'	95°00.9'	43°27.5'
2	39°08.1'	41°21.6'	25°45.8'	95°23.8'	99°46.7'	94°30.5'	43°51.5'
3	39°41.8'	40°48.0'	26°13.0'	94°50.2'	99°14.6'	94°00.1'	44°15.6'
4	40°15.5'	40°14.3'	26°40.5'	94°16.7'	98°42.5'	93°29.6'	44°40.0'
5	40°49.2'	39°40.6'	27°08.2'	93°43.1'	98°10.4'	92°59.2'	45°04.5'
6	41°22.9'	39°06.9'	27°36.1'	93°09.5'	97°38.3'	92°28.7'	45°29.2'
7	41°56.7'	38°33.2'	28°04.3'	92°35.9'	97°06.1'	91°58.2'	45°54.1'
8	42°30.5'	37°59.5'	28°32.6'	92°02.2'	96°34.0'	91°27.6'	46°19.1'
9	43°04.3'	37°25.7'	29°01.2'	91°28.6'	96°01.8'	90°57.1'	46°44.3'
10	43°38.2'	36°52.0'	29°29.9'	90°54.9'	95°29.6'	90°26.5'	47°09.7'
11	44°12.0'	36°18.2'	29°58.9'	90°21.2'	94°57.4'	89°55.9'	47°35.2'
12	44°45.9'	35°44.4'	30°28.0'	89°47.5'	94°25.1'	89°25.3'	48°00.8'
13	45°19.8'	35°10.6'	30°57.2'	89°13.8'	93°52.9'	88°54.7'	48°26.6'
14	45°53.8'	34°36.8'	31°26.7'	88°40.0'	93°20.6'	88°24.1'	48°52.6'
15	46°27.7'	34°03.0'	31°56.2'	88°06.2'	92°48.3'	87°53.4'	49°18.6'
16	47°01.7'	33°29.1'	32°26.0'	87°32.4'	92°16.0'	87°22.7'	49°44.8'
17	47°35.7'	32°55.3'	32°55.8'	86°58.6'	91°43.6'	86°52.1'	50°11.2'
18	48°09.7'	32°21.4'	33°25.9'	86°24.8'	91°11.3'	86°21.4'	50°37.6'
19	48°43.7'	31°47.5'	33°56.0'	85°50.9'	90°38.9'	85°50.7'	51°04.2'
20	49°17.8'	31°13.7'	34°26.3'	85°17.0'	90°06.5'	85°19.9'	51°30.9'
21	49°51.8'	30°39.7'	34°56.7'	84°43.2'	89°34.1'	84°49.2'	51°57.8'
22	50°25.9'	30°05.8'	35°27.2'	84°09.2'	89°01.6'	84°18.4'	52°24.7'
23	51°00.0'	29°31.9'	35°57.8'	83°35.3'	88°29.2'	83°47.7'	52°51.8'

Mon Nov 18, 2019 UTC

UTC	-Sun Lunar Dist.	-Regulus Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	+Pollux Lunar Dist.	-Spica Lunar Dist.	-Mars Lunar Dist.
0	114°09.2'	28°58.0'	51°34.2'	36°28.5'	9°00.2'	83°01.4'	87°56.7'
1	113°37.6'	28°24.0'	52°08.3'	36°59.3'	9°28.0'	82°27.4'	87°24.2'
2	113°05.9'	27°50.1'	52°42.5'	37°30.3'	9°56.4'	81°53.4'	86°51.7'
3	112°34.2'	27°16.1'	53°16.7'	38°01.3'	10°25.5'	81°19.4'	86°19.1'
4	112°02.5'	26°42.1'	53°50.9'	38°32.5'	10°55.0'	80°45.4'	85°46.6'
5	111°30.8'	26°08.2'	54°25.2'	39°03.7'	11°25.0'	80°11.3'	85°14.0'
6	110°59.1'	25°34.2'	54°59.4'	39°35.0'	11°55.5'	79°37.3'	84°41.4'
7	110°27.3'	25°00.2'	55°33.7'	40°06.4'	12°26.2'	79°03.2'	84°08.8'
8	109°55.6'	24°26.2'	56°08.0'	40°37.9'	12°57.3'	78°29.1'	83°36.1'
9	109°23.8'	23°52.2'	56°42.3'	41°09.4'	13°28.6'	77°55.0'	83°03.5'
10	108°52.0'	23°18.2'	57°16.7'	41°41.1'	14°00.3'	77°20.9'	82°30.8'
11	108°20.1'	22°44.2'	57°51.0'	42°12.8'	14°32.1'	76°46.7'	81°58.1'
12	107°48.3'	22°10.2'	58°25.4'	42°44.6'	15°04.1'	76°12.5'	81°25.4'
13	107°16.4'	21°36.2'	58°59.8'	43°16.5'	15°36.3'	75°38.3'	80°52.7'
14	106°44.5'	21°02.3'	59°34.3'	43°48.4'	16°08.7'	75°04.1'	80°19.9'
15	106°12.6'	20°28.3'	60°08.7'	44°20.4'	16°41.3'	74°29.9'	79°47.1'
16	105°40.6'	19°54.3'	60°43.2'	44°52.5'	17°14.0'	73°55.7'	79°14.4'
17	105°08.7'	19°20.4'	61°17.6'	45°24.7'	17°46.8'	73°21.4'	78°41.5'
18	104°36.7'	18°46.4'	61°52.2'	45°56.9'	18°19.7'	72°47.1'	78°08.7'
19	104°04.7'	18°12.5'	62°26.7'	46°29.1'	18°52.8'	72°12.8'	77°35.9'
20	103°32.7'	17°38.6'	63°01.2'	47°01.5'	19°25.9'	71°38.5'	77°03.0'
21	103°00.7'	17°04.7'	63°35.8'	47°33.9'	19°59.2'	71°04.2'	76°30.1'
22	102°28.6'	16°30.9'	64°10.4'	48°06.3'	20°32.5'	70°29.8'	75°57.2'
23	101°56.5'	15°57.1'	64°45.0'	48°38.8'	21°06.0'	69°55.5'	75°24.3'

Tue Nov 19, 2019 UTC

UTC	–Sun Lunar Dist.	–Regulus Lunar Dist.	+Pollux Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	–Spica Lunar Dist.	–Mars Lunar Dist.
0	101°24.4'	15°23.3'	21°39.5'	65°19.6'	49°11.4'	69°21.1'	74°51.3'
1	100°52.3'	14°49.6'	22°13.1'	65°54.2'	49°44.0'	68°46.7'	74°18.4'
2	100°20.2'	14°16.0'	22°46.7'	66°28.9'	50°16.6'	68°12.3'	73°45.4'
3	99°48.0'	13°42.4'	23°20.5'	67°03.6'	50°49.4'	67°37.8'	73°12.4'
4	99°15.9'	13°08.9'	23°54.3'	67°38.3'	51°22.1'	67°03.4'	72°39.4'
5	98°43.7'	12°35.5'	24°28.1'	68°13.0'	51°54.9'	66°28.9'	72°06.4'
6	98°11.5'	12°02.2'	25°02.0'	68°47.8'	52°27.8'	65°54.4'	71°33.3'
7	97°39.2'	11°29.0'	25°36.0'	69°22.5'	53°00.7'	65°19.9'	71°00.2'
8	97°07.0'	10°56.0'	26°10.0'	69°57.3'	53°33.7'	64°45.4'	70°27.1'
9	96°34.7'	10°23.1'	26°44.1'	70°32.1'	54°06.7'	64°10.9'	69°54.0'
10	96°02.4'	9°50.5'	27°18.2'	71°07.0'	54°39.7'	63°36.4'	69°20.9'
11	95°30.1'	9°18.1'	27°52.4'	71°41.8'	55°12.8'	63°01.8'	68°47.7'
12	94°57.8'	8°46.0'	28°26.6'	72°16.7'	55°46.0'	62°27.2'	68°14.6'
13	94°25.4'	8°14.3'	29°00.8'	72°51.5'	56°19.1'	61°52.6'	67°41.4'
14	93°53.0'	7°43.0'	29°35.1'	73°26.4'	56°52.3'	61°18.0'	67°08.2'
15	93°20.7'	7°12.3'	30°09.5'	74°01.4'	57°25.6'	60°43.4'	66°35.0'
16	92°48.2'	–	30°43.9'	74°36.3'	57°58.9'	60°08.7'	66°01.7'
17	92°15.8'	–	31°18.3'	75°11.3'	58°32.2'	59°34.1'	65°28.5'
18	91°43.4'	–	31°52.8'	75°46.2'	59°05.6'	58°59.4'	64°55.2'
19	91°10.9'	–	32°27.3'	76°21.2'	59°39.0'	58°24.7'	64°21.9'
20	90°38.4'	–	33°01.8'	76°56.3'	60°12.5'	57°50.0'	63°48.6'
21	90°05.9'	–	33°36.4'	77°31.3'	60°46.0'	57°15.3'	63°15.3'
22	89°33.4'	–	34°11.0'	78°06.3'	61°19.5'	56°40.6'	62°41.9'
23	89°00.9'	–	34°45.6'	78°41.4'	61°53.0'	56°05.9'	62°08.5'

Wed Nov 20, 2019 UTC

UTC	–Sun Lunar Dist.	+Pollux Lunar Dist.	–Spica Lunar Dist.	+Betelgeuse Lunar Dist.	–Mars Lunar Dist.	+Aldebaran Lunar Dist.	+Procyon Lunar Dist.
0	88°28.3'	35°20.3'	55°31.1'	62°26.6'	61°35.2'	79°16.5'	38°06.7'
1	87°55.7'	35°55.0'	54°56.4'	63°00.3'	61°01.8'	79°51.6'	38°37.5'
2	87°23.1'	36°29.7'	54°21.6'	63°33.9'	60°28.3'	80°26.7'	39°08.4'
3	86°50.5'	37°04.5'	53°46.8'	64°07.6'	59°54.9'	81°01.9'	39°39.4'
4	86°17.9'	37°39.2'	53°12.0'	64°41.3'	59°21.5'	81°37.1'	40°10.5'
5	85°45.2'	38°14.1'	52°37.2'	65°15.1'	58°48.0'	82°12.2'	40°41.8'
6	85°12.5'	38°48.9'	52°02.3'	65°48.9'	58°14.5'	82°47.5'	41°13.1'
7	84°39.9'	39°23.8'	51°27.5'	66°22.7'	57°41.0'	83°22.7'	41°44.6'
8	84°07.1'	39°58.7'	50°52.7'	66°56.5'	57°07.5'	83°57.9'	42°16.1'
9	83°34.4'	40°33.6'	50°17.8'	67°30.4'	56°33.9'	84°33.2'	42°47.7'
10	83°01.7'	41°08.6'	49°42.9'	68°04.3'	56°00.4'	85°08.5'	43°19.5'
11	82°28.9'	41°43.6'	49°08.1'	68°38.3'	55°26.8'	85°43.7'	43°51.3'
12	81°56.1'	42°18.6'	48°33.2'	69°12.2'	54°53.2'	86°19.1'	44°23.2'
13	81°23.3'	42°53.6'	47°58.3'	69°46.2'	54°19.6'	86°54.4'	44°55.2'
14	80°50.5'	43°28.7'	47°23.4'	70°20.2'	53°46.0'	87°29.7'	45°27.3'
15	80°17.7'	44°03.7'	46°48.5'	70°54.3'	53°12.4'	88°05.1'	45°59.4'
16	79°44.9'	44°38.9'	46°13.6'	71°28.3'	52°38.7'	88°40.5'	46°31.6'
17	79°12.0'	45°14.0'	45°38.6'	72°02.4'	52°05.1'	89°15.9'	47°04.0'
18	78°39.1'	45°49.1'	45°03.7'	72°36.6'	51°31.4'	89°51.3'	47°36.3'
19	78°06.2'	46°24.3'	44°28.8'	73°10.7'	50°57.7'	90°26.7'	48°08.8'
20	77°33.3'	46°59.5'	43°53.8'	73°44.9'	50°24.0'	91°02.2'	48°41.3'
21	77°00.3'	47°34.7'	43°18.9'	74°19.1'	49°50.3'	91°37.7'	49°13.9'
22	76°27.4'	48°10.0'	42°43.9'	74°53.3'	49°16.6'	92°13.1'	49°46.5'
23	75°54.4'	48°45.3'	42°09.0'	75°27.5'	48°42.8'	92°48.6'	50°19.2'

Thu Nov 21, 2019 UTC

UTC	-Sun Lunar Dist.	+Regulus Lunar Dist.	-Spica Lunar Dist.	+Pollux Lunar Dist.	-Mars Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.
0	75°21.4'	13°35.5'	41°34.0'	49°20.6'	48°09.0'	50°52.0'	76°01.8'
1	74°48.4'	14°09.9'	40°59.0'	49°55.9'	47°35.3'	51°24.9'	76°36.1'
2	74°15.4'	14°44.4'	40°24.1'	50°31.2'	47°01.5'	51°57.7'	77°10.4'
3	73°42.4'	15°19.0'	39°49.1'	51°06.5'	46°27.7'	52°30.7'	77°44.7'
4	73°09.4'	15°53.6'	39°14.2'	51°41.9'	45°53.9'	53°03.7'	78°19.1'
5	72°36.3'	16°28.4'	38°39.2'	52°17.3'	45°20.0'	53°36.8'	78°53.4'
6	72°03.2'	17°03.2'	38°04.2'	52°52.7'	44°46.2'	54°09.9'	79°27.8'
7	71°30.1'	17°38.1'	37°29.3'	53°28.1'	44°12.3'	54°43.0'	80°02.2'
8	70°57.0'	18°13.1'	36°54.3'	54°03.6'	43°38.5'	55°16.2'	80°36.7'
9	70°23.9'	18°48.1'	36°19.4'	54°39.1'	43°04.6'	55°49.5'	81°11.1'
10	69°50.8'	19°23.2'	35°44.5'	55°14.5'	42°30.7'	56°22.8'	81°45.6'
11	69°17.6'	19°58.3'	35°09.5'	55°50.1'	41°56.8'	56°56.2'	82°20.1'
12	68°44.4'	20°33.5'	34°34.6'	56°25.6'	41°22.9'	57°29.6'	82°54.6'
13	68°11.2'	21°08.7'	33°59.7'	57°01.1'	40°49.0'	58°03.0'	83°29.1'
14	67°38.1'	21°44.0'	33°24.8'	57°36.7'	40°15.1'	58°36.5'	84°03.6'
15	67°04.8'	22°19.3'	32°49.9'	58°12.2'	39°41.1'	59°10.0'	84°38.2'
16	66°31.6'	22°54.6'	32°15.1'	58°47.8'	39°07.2'	59°43.6'	85°12.8'
17	65°58.4'	23°30.0'	31°40.2'	59°23.4'	38°33.2'	60°17.2'	85°47.4'
18	65°25.1'	24°05.4'	31°05.4'	59°59.1'	37°59.3'	60°50.8'	86°22.0'
19	64°51.9'	24°40.9'	30°30.6'	60°34.7'	37°25.3'	61°24.5'	86°56.6'
20	64°18.6'	25°16.3'	29°55.8'	61°10.4'	36°51.3'	61°58.2'	87°31.2'
21	63°45.3'	25°51.8'	29°21.1'	61°46.0'	36°17.3'	62°32.0'	88°05.8'
22	63°12.0'	26°27.4'	28°46.3'	62°21.7'	35°43.3'	63°05.7'	88°40.5'
23	62°38.7'	27°02.9'	28°11.7'	62°57.4'	35°09.3'	63°39.6'	89°15.2'

Fri Nov 22, 2019 UTC

UTC	-Sun Lunar Dist.	+Regulus Lunar Dist.	-Spica Lunar Dist.	-Mars Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.
0	62°05.4'	27°38.5'	27°37.0'	34°35.3'	63°33.1'	64°13.4'	89°49.8'
1	61°32.0'	28°14.1'	27°02.4'	34°01.3'	64°08.9'	64°47.3'	90°24.5'
2	60°58.7'	28°49.8'	26°27.8'	33°27.3'	64°44.6'	65°21.2'	90°59.2'
3	60°25.3'	29°25.4'	25°53.3'	32°53.3'	65°20.3'	65°55.1'	91°33.9'
4	59°52.0'	30°01.1'	25°18.8'	32°19.3'	65°56.1'	66°29.1'	92°08.7'
5	59°18.6'	30°36.8'	24°44.4'	31°45.3'	66°31.9'	67°03.1'	92°43.4'
6	58°45.2'	31°12.5'	24°10.0'	31°11.3'	67°07.7'	67°37.1'	93°18.1'
7	58°11.8'	31°48.2'	23°35.7'	30°37.2'	67°43.5'	68°11.2'	93°52.9'
8	57°38.4'	32°24.0'	23°01.5'	30°03.2'	68°19.3'	68°45.3'	94°27.7'
9	57°05.0'	32°59.8'	22°27.3'	29°29.2'	68°55.1'	69°19.4'	95°02.4'
10	56°31.6'	33°35.6'	21°53.3'	28°55.2'	69°31.0'	69°53.5'	95°37.2'
11	55°58.1'	34°11.4'	21°19.3'	28°21.2'	70°06.8'	70°27.6'	96°12.0'
12	55°24.7'	34°47.2'	20°45.4'	27°47.2'	70°42.7'	71°01.8'	96°46.8'
13	54°51.2'	35°23.0'	20°11.7'	27°13.2'	71°18.6'	71°36.0'	97°21.6'
14	54°17.8'	35°58.9'	19°38.0'	26°39.2'	71°54.5'	72°10.2'	97°56.4'
15	53°44.3'	36°34.8'	19°04.5'	26°05.2'	72°30.3'	72°44.5'	98°31.2'
16	53°10.8'	37°10.7'	18°31.2'	25°31.2'	73°06.2'	73°18.7'	99°06.0'
17	52°37.3'	37°46.5'	17°58.0'	24°57.3'	73°42.2'	73°53.0'	99°40.8'
18	52°03.8'	38°22.5'	17°24.9'	24°23.3'	74°18.1'	74°27.3'	100°15.6'
19	51°30.4'	38°58.4'	16°52.1'	23°49.4'	74°54.0'	75°01.6'	100°50.4'
20	50°56.8'	39°34.3'	16°19.5'	23°15.5'	75°29.9'	75°35.9'	101°25.2'
21	50°23.3'	40°10.3'	15°47.1'	22°41.6'	76°05.9'	76°10.2'	102°00.0'
22	49°49.8'	40°46.2'	15°15.0'	22°07.7'	76°41.8'	76°44.6'	102°34.9'
23	49°16.3'	41°22.2'	14°43.2'	21°33.9'	77°17.8'	77°19.0'	103°09.7'

Sat Nov 23, 2019 UTC

UTC	−Sun Lunar Dist.	+Regulus Lunar Dist.	−Mars Lunar Dist.	−Spica Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.
0	48°42.8'	41°58.1'	21°00.0'	14°11.8'	77°53.7'	77°53.3'	103°44.5'
1	48°09.3'	42°34.1'	20°26.2'	13°40.7'	78°29.7'	78°27.7'	104°19.3'
2	47°35.7'	43°10.1'	19°52.5'	13°10.0'	79°05.7'	79°02.1'	104°54.1'
3	47°02.2'	43°46.1'	19°18.8'	12°39.8'	79°41.7'	79°36.6'	105°28.9'
4	46°28.7'	44°22.1'	18°45.1'	12°10.1'	80°17.7'	80°11.0'	106°03.7'
5	45°55.1'	44°58.1'	18°11.4'	11°41.0'	80°53.6'	80°45.4'	106°38.5'
6	45°21.6'	45°34.1'	17°37.8'	11°12.6'	81°29.6'	81°19.9'	107°13.3'
7	44°48.1'	46°10.2'	17°04.3'	−	82°05.6'	81°54.3'	107°48.1'
8	44°14.5'	46°46.2'	16°30.8'	−	82°41.6'	82°28.8'	108°22.9'
9	43°41.0'	47°22.2'	15°57.4'	−	83°17.6'	83°03.3'	108°57.7'
10	43°07.4'	47°58.3'	15°24.1'	−	83°53.7'	83°37.7'	109°32.5'
11	42°33.9'	48°34.3'	14°50.8'	−	84°29.7'	84°12.2'	110°07.2'
12	42°00.3'	49°10.4'	14°17.7'	−	85°05.7'	84°46.7'	110°42.0'
13	41°26.8'	49°46.4'	13°44.7'	−	85°41.7'	85°21.2'	111°16.7'
14	40°53.3'	50°22.5'	13°11.7'	−	86°17.7'	85°55.7'	111°51.5'
15	40°19.7'	50°58.5'	12°39.0'	−	86°53.7'	86°30.2'	112°26.2'
16	39°46.2'	51°34.6'	12°06.4'	−	87°29.7'	87°04.7'	113°00.9'
17	39°12.7'	52°10.7'	11°33.9'	−	88°05.7'	87°39.2'	113°35.6'
18	38°39.1'	52°46.7'	11°01.7'	−	88°41.8'	88°13.7'	114°10.3'
19	38°05.6'	53°22.8'	10°29.7'	−	89°17.8'	88°48.2'	114°44.9'
20	37°32.1'	53°58.8'	9°58.0'	−	89°53.8'	89°22.7'	115°19.6'
21	36°58.6'	54°34.9'	9°26.6'	−	90°29.8'	89°57.2'	115°54.2'
22	36°25.0'	55°11.0'	8°55.6'	−	91°05.8'	90°31.7'	116°28.8'
23	35°51.5'	55°47.0'	8°25.1'	−	91°41.8'	91°06.2'	117°03.4'

Sun Nov 24, 2019 UTC

UTC	+Regulus Lunar Dist.	−Mars Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Capella Lunar Dist.	+Sirius Lunar Dist.
0	56°23.1'	7°55.1'	92°17.8'	91°40.7'	117°38.0'	118°54.1'	102°24.4'
1	56°59.2'	7°25.8'	92°53.8'	92°15.2'	118°12.5'	119°26.0'	102°51.7'
2	57°35.2'	−	93°29.8'	92°49.6'	118°47.1'	119°57.9'	103°18.9'
3	58°11.3'	−	94°05.8'	93°24.1'	119°21.6'	120°29.7'	103°46.0'
4	58°47.3'	−	94°41.8'	93°58.6'	119°56.1'	121°01.4'	104°13.2'
5	59°23.3'	−	95°17.8'	94°33.1'	120°30.6'	121°33.1'	104°40.2'
6	59°59.4'	−	95°53.7'	95°07.5'	121°05.0'	122°04.7'	105°07.3'
7	60°35.4'	−	96°29.7'	95°42.0'	121°39.4'	122°36.3'	105°34.2'
8	61°11.5'	−	97°05.7'	96°16.4'	122°13.8'	123°07.8'	106°01.2'
9	61°47.5'	−	97°41.6'	96°50.8'	122°48.1'	123°39.2'	106°28.0'
10	62°23.5'	−	98°17.6'	97°25.2'	123°22.5'	124°10.6'	106°54.9'
11	62°59.5'	−	98°53.5'	97°59.6'	123°56.8'	124°41.9'	107°21.6'
12	63°35.5'	−	99°29.4'	98°34.0'	124°31.0'	125°13.1'	107°48.3'
13	64°11.5'	−	100°05.3'	99°08.4'	125°05.2'	125°44.3'	108°14.9'
14	64°47.5'	−	100°41.3'	99°42.8'	125°39.4'	126°15.4'	108°41.5'
15	65°23.5'	−	101°17.2'	100°17.1'	126°13.6'	126°46.4'	109°08.0'
16	65°59.4'	−	101°53.1'	100°51.4'	126°47.7'	127°17.3'	109°34.5'
17	66°35.4'	−	102°28.9'	101°25.7'	127°21.8'	127°48.1'	110°00.8'
18	67°11.4'	−	103°04.8'	102°00.0'	127°55.8'	128°18.8'	110°27.1'
19	67°47.3'	−	103°40.7'	102°34.3'	128°29.8'	128°49.5'	110°53.4'
20	68°23.2'	−	104°16.5'	103°08.6'	129°03.8'	129°20.0'	111°19.5'
21	68°59.2'	−	104°52.3'	103°42.8'	129°37.7'	129°50.5'	111°45.6'
22	69°35.1'	−	105°28.2'	104°17.0'	130°11.5'	130°20.8'	112°11.6'
23	70°11.0'	7°32.1'	106°04.0'	104°51.2'	130°45.3'	130°51.1'	112°37.5'

Mon Nov 25, 2019 UTC

UTC	+Spica Lunar Dist.	+Mars Lunar Dist.	+Regulus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Arcturus Lunar Dist.
0	17°56.2'	8°01.4'	70°46.8'	106°39.8'	105°25.4'	30°30.8'
1	18°29.3'	8°31.3'	71°22.7'	107°15.5'	105°59.6'	30°49.7'
2	19°02.5'	9°01.8'	71°58.6'	107°51.3'	106°33.7'	31°09.0'
3	19°35.9'	9°32.6'	72°34.4'	108°27.0'	107°07.8'	31°28.7'
4	20°09.4'	10°03.8'	73°10.2'	109°02.8'	107°41.9'	31°48.9'
5	20°43.0'	10°35.3'	73°46.1'	109°38.5'	108°15.9'	32°09.4'
6	21°16.7'	11°07.1'	74°21.9'	110°14.2'	108°50.0'	32°30.4'
7	21°50.5'	11°39.0'	74°57.6'	110°49.9'	109°23.9'	32°51.7'
8	22°24.4'	12°11.2'	75°33.4'	111°25.5'	109°57.9'	33°13.3'
9	22°58.3'	12°43.5'	76°09.2'	112°01.2'	110°31.9'	33°35.4'
10	23°32.4'	13°15.9'	76°44.9'	112°36.8'	111°05.8'	33°57.7'
11	24°06.5'	13°48.5'	77°20.6'	113°12.4'	111°39.6'	34°20.4'
12	24°40.6'	14°21.2'	77°56.3'	113°48.0'	112°13.5'	34°43.4'
13	25°14.8'	14°53.9'	78°32.0'	114°23.5'	112°47.3'	35°06.7'
14	25°49.1'	15°26.7'	79°07.7'	114°59.1'	113°21.1'	35°30.3'
15	26°23.4'	15°59.6'	79°43.3'	115°34.6'	113°54.8'	35°54.2'
16	26°57.7'	16°32.6'	80°18.9'	116°10.1'	114°28.5'	36°18.3'
17	27°32.1'	17°05.6'	80°54.5'	116°45.6'	115°02.2'	36°42.7'
18	28°06.5'	17°38.6'	81°30.1'	117°21.1'	115°35.8'	37°07.3'
19	28°40.9'	18°11.7'	82°05.7'	117°56.5'	116°09.4'	37°32.2'
20	29°15.4'	18°44.8'	82°41.2'	118°31.9'	116°42.9'	37°57.3'
21	29°49.8'	19°18.0'	83°16.7'	119°07.3'	117°16.4'	38°22.6'
22	30°24.3'	19°51.1'	83°52.2'	119°42.6'	117°49.9'	38°48.2'
23	30°58.8'	20°24.3'	84°27.7'	120°18.0'	118°23.3'	39°13.9'

Thu Nov 28, 2019 UTC

UTC	-Jupiter Lunar Dist.	-Saturn Lunar Dist.	-Venus Lunar Dist.	-Formalhaut Lunar Dist.	-Altair Lunar Dist.
0	6°06.6'	24°45.0'	9°53.1'	73°00.9'	46°28.0'
1	5°33.4'	24°11.3'	9°22.8'	72°28.5'	46°04.4'
2	5°00.4'	23°37.6'	8°52.6'	71°56.2'	45°40.9'
3	4°27.4'	23°04.0'	8°22.6'	71°23.9'	45°17.7'
4	3°54.6'	22°30.4'	7°52.6'	70°51.6'	44°54.6'
5	3°21.9'	21°56.8'	7°22.8'	70°19.4'	44°31.7'
6	2°49.6'	21°23.3'	6°53.2'	69°47.3'	44°09.1'
7	–	20°49.8'	6°23.7'	69°15.1'	43°46.7'
8	–	20°16.4'	5°54.6'	68°43.1'	43°24.5'
9	–	19°43.0'	5°25.7'	68°11.1'	43°02.5'
10	–	19°09.6'	4°57.2'	67°39.1'	42°40.7'
11	–	18°36.3'	4°29.1'	67°07.2'	42°19.2'
12	–	18°03.0'	–	66°35.3'	41°57.9'
13	–	17°29.8'	–	66°03.5'	41°36.9'
14	–	16°56.6'	–	65°31.8'	41°16.1'
15	2°20.4'	16°23.4'	–	65°00.1'	40°55.5'
16	2°52.0'	15°50.3'	–	64°28.4'	40°35.3'
17	3°23.9'	15°17.3'	–	63°56.8'	40°15.2'
18	3°56.1'	14°44.2'	–	63°25.2'	39°55.5'
19	4°28.3'	14°11.2'	–	62°53.8'	39°36.0'
20	5°00.6'	13°38.3'	–	62°22.3'	39°16.8'
21	5°33.0'	13°05.4'	–	61°50.9'	38°57.9'
22	6°05.4'	12°32.6'	–	61°19.6'	38°39.3'
23	6°37.7'	11°59.8'	–	60°48.3'	38°21.0'

Fri Nov 29, 2019 UTC

UTC	+Jupiter Lunar Dist.	-Saturn Lunar Dist.	-Formalhaut Lunar Dist.	-Altair Lunar Dist.	-Achernar Lunar Dist.
0	7°10.1'	11°27.0'	60°17.1'	38°03.0'	79°47.5'
1	7°42.5'	10°54.3'	59°45.9'	37°45.3'	79°29.0'
2	8°14.8'	10°21.7'	59°14.8'	37°27.9'	79°10.5'
3	8°47.1'	9°49.1'	58°43.8'	37°10.9'	78°52.1'
4	9°19.4'	9°16.5'	58°12.8'	36°54.1'	78°33.7'
5	9°51.7'	8°44.0'	57°41.9'	36°37.7'	78°15.4'
6	10°23.9'	8°11.6'	57°11.0'	36°21.7'	77°57.2'
7	10°56.1'	7°39.3'	56°40.2'	36°06.0'	77°39.1'
8	11°28.3'	7°07.0'	56°09.4'	35°50.6'	77°21.0'
9	12°00.4'	6°34.8'	55°38.8'	35°35.6'	77°03.0'
10	12°32.5'	6°02.7'	55°08.1'	35°20.9'	76°45.1'
11	13°04.6'	5°30.7'	54°37.6'	35°06.7'	76°27.2'
12	13°36.6'	4°58.8'	54°07.1'	34°52.8'	76°09.4'
13	14°08.6'	4°27.1'	53°36.7'	34°39.3'	75°51.7'
14	14°40.6'	3°55.6'	53°06.3'	34°26.1'	75°34.0'
15	15°12.5'	3°24.4'	52°36.0'	34°13.4'	75°16.5'
16	15°44.4'	2°53.6'	52°05.8'	34°01.1'	74°59.0'
17	16°16.3'	–	51°35.6'	33°49.1'	74°41.6'
18	16°48.1'	–	51°05.5'	33°37.6'	74°24.3'
19	17°19.9'	–	50°35.5'	33°26.5'	74°07.0'
20	17°51.6'	–	50°05.5'	33°15.9'	73°49.8'
21	18°23.3'	–	49°35.6'	33°05.6'	73°32.8'
22	18°55.0'	–	49°05.8'	32°55.8'	73°15.8'
23	19°26.6'	–	48°36.1'	32°46.4'	72°58.9'

Sat Nov 30, 2019 UTC

UTC	+Sun Lunar Dist.	+Jupiter Lunar Dist.	+Venus Lunar Dist.	-Formalhaut Lunar Dist.	-Achernar Lunar Dist.
0	41°52.3'	19°58.2'	14°23.8'	48°06.4'	72°42.0'
1	42°21.8'	20°29.8'	14°52.6'	47°36.8'	72°25.3'
2	42°51.3'	21°01.3'	15°21.4'	47°07.3'	72°08.7'
3	43°20.7'	21°32.8'	15°50.1'	46°37.9'	71°52.1'
4	43°50.2'	22°04.2'	16°18.9'	46°08.5'	71°35.6'
5	44°19.5'	22°35.6'	16°47.6'	45°39.3'	71°19.3'
6	44°48.9'	23°07.0'	17°16.3'	45°10.1'	71°03.0'
7	45°18.2'	23°38.4'	17°44.9'	44°41.0'	70°46.8'
8	45°47.5'	24°09.7'	18°13.5'	44°11.9'	70°30.7'
9	46°16.7'	24°40.9'	18°42.1'	43°43.0'	70°14.7'
10	46°45.9'	25°12.2'	19°10.7'	43°14.1'	69°58.8'
11	47°15.1'	25°43.4'	19°39.2'	42°45.4'	69°43.0'
12	47°44.2'	26°14.5'	20°07.7'	42°16.7'	69°27.3'
13	48°13.3'	26°45.7'	20°36.2'	41°48.1'	69°11.7'
14	48°42.4'	27°16.8'	21°04.6'	41°19.6'	68°56.2'
15	49°11.4'	27°47.8'	21°33.1'	40°51.2'	68°40.8'
16	49°40.4'	28°18.8'	22°01.4'	40°22.9'	68°25.5'
17	50°09.3'	28°49.8'	22°29.8'	39°54.7'	68°10.3'
18	50°38.3'	29°20.8'	22°58.1'	39°26.7'	67°55.2'
19	51°07.2'	29°51.7'	23°26.4'	38°58.7'	67°40.3'
20	51°36.0'	30°22.6'	23°54.7'	38°30.8'	67°25.4'
21	52°04.8'	30°53.4'	24°22.9'	38°03.0'	67°10.6'
22	52°33.6'	31°24.2'	24°51.1'	37°35.3'	66°56.0'
23	53°02.4'	31°55.0'	25°19.3'	37°07.8'	66°41.4'