

Thu Nov 1, 2018 UTC

UTC	−Sun Lunar Dist.	−Regulus Lunar Dist.	+Pollux Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	+Capella Lunar Dist.	+Procyon Lunar Dist.
0	86°00.2'	17°35.4'	19°47.9'	62°42.2'	46°11.6'	53°31.3'	23°33.9'
1	85°27.5'	17°00.3'	20°20.8'	63°17.5'	46°45.1'	54°01.0'	24°00.3'
2	84°54.8'	16°25.2'	20°53.8'	63°52.8'	47°18.7'	54°30.8'	24°27.0'
3	84°22.0'	15°50.1'	21°26.9'	64°28.2'	47°52.3'	55°00.6'	24°54.1'
4	83°49.3'	15°15.1'	22°00.1'	65°03.5'	48°25.9'	55°30.5'	25°21.5'
5	83°16.6'	14°40.0'	22°33.4'	65°38.9'	48°59.5'	56°00.5'	25°49.3'
6	82°43.9'	14°05.0'	23°06.8'	66°14.2'	49°33.2'	56°30.6'	26°17.3'
7	82°11.2'	13°30.1'	23°40.3'	66°49.5'	50°06.9'	57°00.7'	26°45.5'
8	81°38.5'	12°55.1'	24°13.9'	67°24.9'	50°40.7'	57°30.9'	27°14.0'
9	81°05.7'	12°20.3'	24°47.6'	68°00.2'	51°14.4'	58°01.2'	27°42.8'
10	80°33.0'	11°45.4'	25°21.3'	68°35.5'	51°48.2'	58°31.5'	28°11.8'
11	80°00.3'	11°10.6'	25°55.1'	69°10.9'	52°22.0'	59°01.9'	28°41.0'
12	79°27.6'	10°35.9'	26°28.9'	69°46.2'	52°55.8'	59°32.3'	29°10.4'
13	78°54.9'	10°01.2'	27°02.9'	70°21.5'	53°29.7'	60°02.8'	29°40.1'
14	78°22.2'	9°26.7'	27°36.8'	70°56.9'	54°03.5'	60°33.3'	30°09.9'
15	77°49.5'	8°52.2'	28°10.8'	71°32.2'	54°37.4'	61°03.9'	30°39.8'
16	77°16.8'	8°17.9'	28°44.9'	72°07.5'	55°11.3'	61°34.5'	31°10.0'
17	76°44.1'	7°43.7'	29°19.0'	72°42.9'	55°45.3'	62°05.2'	31°40.3'
18	76°11.4'	7°09.6'	29°53.2'	73°18.2'	56°19.2'	62°35.9'	32°10.7'
19	75°38.7'	6°35.9'	30°27.4'	73°53.5'	56°53.2'	63°06.7'	32°41.3'
20	75°06.0'	6°02.4'	31°01.6'	74°28.8'	57°27.1'	63°37.5'	33°12.1'
21	74°33.3'	5°29.3'	31°35.9'	75°04.1'	58°01.1'	64°08.4'	33°42.9'
22	74°00.7'	4°56.7'	32°10.1'	75°39.4'	58°35.1'	64°39.3'	34°13.9'
23	73°28.0'	−	32°44.5'	76°14.8'	59°09.2'	65°10.2'	34°45.1'

Fri Nov 2, 2018 UTC

UTC	−Sun Lunar Dist.	+Pollux Lunar Dist.	−Spica Lunar Dist.	+Betelgeuse Lunar Dist.	+Procyon Lunar Dist.	+Aldebaran Lunar Dist.	+Capella Lunar Dist.
0	72°55.3'	33°18.8'	57°38.5'	59°43.2'	35°16.3'	76°50.1'	65°41.2'
1	72°22.6'	33°53.2'	57°03.5'	60°17.2'	35°47.6'	77°25.4'	66°12.2'
2	71°50.0'	34°27.6'	56°28.6'	60°51.3'	36°19.1'	78°00.7'	66°43.2'
3	71°17.3'	35°02.0'	55°53.7'	61°25.3'	36°50.6'	78°36.0'	67°14.3'
4	70°44.6'	35°36.5'	55°18.7'	61°59.4'	37°22.2'	79°11.3'	67°45.4'
5	70°12.0'	36°11.0'	54°43.8'	62°33.5'	37°53.9'	79°46.6'	68°16.5'
6	69°39.3'	36°45.4'	54°08.9'	63°07.6'	38°25.7'	80°21.8'	68°47.7'
7	69°06.7'	37°20.0'	53°34.1'	63°41.7'	38°57.6'	80°57.1'	69°18.8'
8	68°34.0'	37°54.5'	52°59.2'	64°15.8'	39°29.6'	81°32.4'	69°50.1'
9	68°01.4'	38°29.0'	52°24.3'	64°49.9'	40°01.6'	82°07.7'	70°21.3'
10	67°28.8'	39°03.6'	51°49.5'	65°24.1'	40°33.7'	82°43.0'	70°52.6'
11	66°56.1'	39°38.1'	51°14.6'	65°58.2'	41°05.9'	83°18.2'	71°23.9'
12	66°23.5'	40°12.7'	50°39.8'	66°32.3'	41°38.2'	83°53.5'	71°55.2'
13	65°50.9'	40°47.3'	50°05.0'	67°06.5'	42°10.5'	84°28.8'	72°26.5'
14	65°18.3'	41°21.9'	49°30.1'	67°40.6'	42°42.8'	85°04.0'	72°57.8'
15	64°45.7'	41°56.6'	48°55.3'	68°14.8'	43°15.3'	85°39.3'	73°29.2'
16	64°13.1'	42°31.2'	48°20.6'	68°49.0'	43°47.7'	86°14.5'	74°00.6'
17	63°40.5'	43°05.8'	47°45.8'	69°23.1'	44°20.3'	86°49.8'	74°32.0'
18	63°07.9'	43°40.5'	47°11.0'	69°57.3'	44°52.8'	87°25.0'	75°03.4'
19	62°35.3'	44°15.1'	46°36.3'	70°31.4'	45°25.5'	88°00.2'	75°34.9'
20	62°02.8'	44°49.8'	46°01.6'	71°05.6'	45°58.1'	88°35.5'	76°06.3'
21	61°30.2'	45°24.4'	45°26.9'	71°39.8'	46°30.8'	89°10.7'	76°37.8'
22	60°57.6'	45°59.1'	44°52.2'	72°14.0'	47°03.6'	89°45.9'	77°09.3'
23	60°25.1'	46°33.8'	44°17.5'	72°48.1'	47°36.4'	90°21.1'	77°40.7'

Sat Nov 3, 2018 UTC

UTC	-Sun Lunar Dist.	+Regulus Lunar Dist.	-Spica Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Aldebaran Lunar Dist.
0	59°52.5'	10°57.2'	43°42.8'	47°08.5'	48°09.2'	73°22.3'	90°56.3'
1	59°20.0'	11°31.8'	43°08.2'	47°43.1'	48°42.1'	73°56.5'	91°31.5'
2	58°47.5'	12°06.5'	42°33.6'	48°17.8'	49°15.0'	74°30.7'	92°06.7'
3	58°15.0'	12°41.2'	41°59.0'	48°52.5'	49°47.9'	75°04.8'	92°41.9'
4	57°42.4'	13°16.0'	41°24.4'	49°27.2'	50°20.9'	75°39.0'	93°17.0'
5	57°09.9'	13°50.8'	40°49.8'	50°01.9'	50°53.9'	76°13.2'	93°52.2'
6	56°37.5'	14°25.6'	40°15.3'	50°36.6'	51°26.9'	76°47.4'	94°27.4'
7	56°05.0'	15°00.4'	39°40.7'	51°11.3'	51°60.0'	77°21.5'	95°02.5'
8	55°32.5'	15°35.3'	39°06.3'	51°46.0'	52°33.0'	77°55.7'	95°37.7'
9	55°00.0'	16°10.1'	38°31.8'	52°20.7'	53°06.1'	78°29.9'	96°12.8'
10	54°27.6'	16°45.0'	37°57.3'	52°55.4'	53°39.3'	79°04.0'	96°47.9'
11	53°55.1'	17°19.9'	37°22.9'	53°30.1'	54°12.4'	79°38.2'	97°23.1'
12	53°22.7'	17°54.8'	36°48.5'	54°04.8'	54°45.6'	80°12.3'	97°58.2'
13	52°50.3'	18°29.7'	36°14.2'	54°39.5'	55°18.8'	80°46.5'	98°33.3'
14	52°17.9'	19°04.6'	35°39.8'	55°14.2'	55°52.0'	81°20.6'	99°08.4'
15	51°45.5'	19°39.5'	35°05.5'	55°48.8'	56°25.2'	81°54.7'	99°43.5'
16	51°13.1'	20°14.4'	34°31.2'	56°23.5'	56°58.4'	82°28.9'	100°18.6'
17	50°40.7'	20°49.3'	33°57.0'	56°58.2'	57°31.7'	83°03.0'	100°53.6'
18	50°08.4'	21°24.2'	33°22.8'	57°32.9'	58°05.0'	83°37.1'	101°28.7'
19	49°36.0'	21°59.1'	32°48.6'	58°07.6'	58°38.2'	84°11.2'	102°03.8'
20	49°03.7'	22°34.0'	32°14.5'	58°42.2'	59°11.5'	84°45.3'	102°38.8'
21	48°31.4'	23°08.9'	31°40.4'	59°16.9'	59°44.8'	85°19.4'	103°13.8'
22	47°59.0'	23°43.8'	31°06.4'	59°51.6'	60°18.1'	85°53.5'	103°48.9'
23	47°26.7'	24°18.7'	30°32.3'	60°26.2'	60°51.5'	86°27.6'	104°23.9'

Sun Nov 4, 2018 UTC

UTC	-Sun Lunar Dist.	+Regulus Lunar Dist.	-Spica Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Aldebaran Lunar Dist.
0	46°54.5'	24°53.6'	29°58.4'	61°00.9'	61°24.8'	87°01.6'	104°58.9'
1	46°22.2'	25°28.5'	29°24.5'	61°35.5'	61°58.1'	87°35.7'	105°33.9'
2	45°49.9'	26°03.4'	28°50.6'	62°10.1'	62°31.5'	88°09.7'	106°08.9'
3	45°17.7'	26°38.3'	28°16.8'	62°44.8'	63°04.8'	88°43.8'	106°43.8'
4	44°45.5'	27°13.1'	27°43.0'	63°19.4'	63°38.2'	89°17.8'	107°18.8'
5	44°13.3'	27°48.0'	27°09.3'	63°54.0'	64°11.6'	89°51.8'	107°53.7'
6	43°41.1'	28°22.8'	26°35.7'	64°28.6'	64°44.9'	90°25.8'	108°28.7'
7	43°08.9'	28°57.7'	26°02.1'	65°03.2'	65°18.3'	90°59.8'	109°03.6'
8	42°36.7'	29°32.5'	25°28.6'	65°37.8'	65°51.7'	91°33.8'	109°38.5'
9	42°04.6'	30°07.4'	24°55.2'	66°12.4'	66°25.1'	92°07.8'	110°13.4'
10	41°32.5'	30°42.2'	24°21.8'	66°46.9'	66°58.4'	92°41.7'	110°48.3'
11	41°00.4'	31°17.0'	23°48.6'	67°21.5'	67°31.8'	93°15.7'	111°23.2'
12	40°28.3'	31°51.8'	23°15.4'	67°56.0'	68°05.2'	93°49.6'	111°58.0'
13	39°56.2'	32°26.6'	22°42.3'	68°30.6'	68°38.6'	94°23.5'	112°32.9'
14	39°24.2'	33°01.4'	22°09.3'	69°05.1'	69°12.0'	94°57.4'	113°07.7'
15	38°52.1'	33°36.1'	21°36.4'	69°39.6'	69°45.3'	95°31.3'	113°42.5'
16	38°20.1'	34°10.9'	21°03.6'	70°14.1'	70°18.7'	96°05.2'	114°17.4'
17	37°48.1'	34°45.6'	20°30.9'	70°48.6'	70°52.1'	96°39.0'	114°52.2'
18	37°16.2'	35°20.3'	19°58.4'	71°23.1'	71°25.4'	97°12.9'	115°26.9'
19	36°44.2'	35°55.1'	19°26.0'	71°57.6'	71°58.8'	97°46.7'	116°01.7'
20	36°12.3'	36°29.8'	18°53.8'	72°32.1'	72°32.2'	98°20.5'	116°36.5'
21	35°40.4'	37°04.5'	18°21.7'	73°06.5'	73°05.5'	98°54.3'	117°11.2'
22	35°08.5'	37°39.1'	17°49.8'	73°40.9'	73°38.9'	99°28.1'	117°45.9'
23	34°36.7'	38°13.8'	17°18.0'	74°15.4'	74°12.2'	100°01.8'	118°20.6'

Mon Nov 5, 2018 UTC

UTC	+Regulus Lunar Dist.	-Venus Lunar Dist.	-Spica Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Aldebaran Lunar Dist.
0	38°48.5'	21°05.5'	16°46.5'	74°49.8'	74°45.5'	100°35.6'	118°55.3'
1	39°23.1'	20°33.2'	16°15.2'	75°24.2'	75°18.9'	101°09.3'	119°30.0'
2	39°57.7'	20°01.1'	15°44.2'	75°58.5'	75°52.2'	101°43.0'	120°04.6'
3	40°32.3'	19°29.3'	15°13.4'	76°32.9'	76°25.5'	102°16.7'	120°39.3'
4	41°06.9'	18°57.7'	14°42.9'	77°07.3'	76°58.8'	102°50.3'	121°13.9'
5	41°41.5'	18°26.4'	14°12.8'	77°41.6'	77°32.1'	103°24.0'	121°48.5'
6	42°16.1'	17°55.3'	13°43.0'	78°15.9'	78°05.4'	103°57.6'	122°23.1'
7	42°50.6'	17°24.5'	13°13.6'	78°50.2'	78°38.6'	104°31.2'	122°57.7'
8	43°25.2'	16°54.1'	12°44.6'	79°24.5'	79°11.9'	105°04.7'	123°32.2'
9	43°59.7'	16°24.0'	12°16.1'	79°58.8'	79°45.1'	105°38.3'	124°06.8'
10	44°34.2'	15°54.4'	11°48.2'	80°33.1'	80°18.4'	106°11.8'	124°41.3'
11	45°08.6'	15°25.1'	11°20.9'	81°07.3'	80°51.6'	106°45.3'	125°15.8'
12	45°43.1'	14°56.3'	10°54.3'	81°41.5'	81°24.8'	107°18.8'	125°50.3'
13	46°17.6'	14°28.0'	–	82°15.7'	81°58.0'	107°52.3'	126°24.8'
14	46°52.0'	14°00.3'	–	82°49.9'	82°31.1'	108°25.7'	126°59.2'
15	47°26.4'	13°33.2'	–	83°24.1'	83°04.3'	108°59.1'	127°33.7'
16	48°00.8'	13°06.7'	–	83°58.2'	83°37.5'	109°32.5'	128°08.1'
17	48°35.2'	–	–	84°32.4'	84°10.6'	110°05.8'	128°42.5'
18	49°09.5'	–	–	85°06.5'	84°43.7'	110°39.2'	129°16.8'
19	49°43.9'	–	–	85°40.6'	85°16.8'	111°12.5'	129°51.2'
20	50°18.2'	–	–	86°14.7'	85°49.9'	111°45.8'	130°25.5'
21	50°52.5'	–	–	86°48.7'	86°23.0'	112°19.0'	130°59.8'
22	51°26.8'	–	–	87°22.8'	86°56.0'	112°52.2'	131°34.1'
23	52°01.0'	–	–	87°56.8'	87°29.0'	113°25.4'	132°08.4'

Tue Nov 6, 2018 UTC

UTC	+Regulus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Capella Lunar Dist.	+Sirius Lunar Dist.
0	52°35.3'	88°30.8'	88°02.0'	113°58.6'	115°33.0'	99°29.7'
1	53°09.5'	89°04.8'	88°35.0'	114°31.7'	116°03.0'	99°56.4'
2	53°43.7'	89°38.7'	89°08.0'	115°04.8'	116°32.9'	100°23.1'
3	54°17.8'	90°12.7'	89°41.0'	115°37.9'	117°02.7'	100°49.7'
4	54°52.0'	90°46.6'	90°13.9'	116°10.9'	117°32.5'	101°16.3'
5	55°26.1'	91°20.5'	90°46.8'	116°43.9'	118°02.2'	101°42.9'
6	56°00.3'	91°54.3'	91°19.7'	117°16.9'	118°31.9'	102°09.4'
7	56°34.3'	92°28.2'	91°52.5'	117°49.8'	119°01.5'	102°35.9'
8	57°08.4'	93°02.0'	92°25.4'	118°22.7'	119°31.0'	103°02.3'
9	57°42.5'	93°35.8'	92°58.2'	118°55.6'	120°00.4'	103°28.6'
10	58°16.5'	94°09.6'	93°31.0'	119°28.4'	120°29.8'	103°55.0'
11	58°50.5'	94°43.4'	94°03.8'	120°01.2'	120°59.1'	104°21.2'
12	59°24.5'	95°17.1'	94°36.5'	120°34.0'	121°28.4'	104°47.4'
13	59°58.4'	95°50.8'	95°09.2'	121°06.7'	121°57.5'	105°13.6'
14	60°32.4'	96°24.5'	95°41.9'	121°39.4'	122°26.6'	105°39.7'
15	61°06.3'	96°58.2'	96°14.6'	122°12.1'	122°55.6'	106°05.7'
16	61°40.2'	97°31.8'	96°47.3'	122°44.7'	123°24.6'	106°31.7'
17	62°14.0'	98°05.4'	97°19.9'	123°17.2'	123°53.4'	106°57.6'
18	62°47.9'	98°39.0'	97°52.5'	123°49.8'	124°22.2'	107°23.5'
19	63°21.7'	99°12.6'	98°25.1'	124°22.3'	124°50.9'	107°49.3'
20	63°55.5'	99°46.1'	98°57.6'	124°54.7'	125°19.5'	108°15.0'
21	64°29.2'	100°19.7'	99°30.1'	125°27.1'	125°48.0'	108°40.7'
22	65°03.0'	100°53.1'	100°02.6'	125°59.5'	126°16.4'	109°06.3'
23	65°36.7'	101°26.6'	100°35.0'	126°31.8'	126°44.8'	109°31.8'

Fri Nov 9, 2018 UTC

UTC	–Saturn Lunar Dist.	–Mars Lunar Dist.	–Formalhaut Lunar Dist.	–Altair Lunar Dist.
0	33°04.8'	83°16.2'	92°50.0'	61°20.2'
1	32°32.8'	82°45.4'	92°19.3'	60°53.4'
2	32°00.8'	82°14.6'	91°48.6'	60°26.7'
3	31°28.8'	81°43.8'	91°18.0'	60°00.1'
4	30°56.8'	81°13.1'	90°47.4'	59°33.6'
5	30°24.9'	80°42.4'	90°16.8'	59°07.2'
6	29°53.0'	80°11.7'	89°46.3'	58°40.8'
7	29°21.2'	79°41.0'	89°15.8'	58°14.6'
8	28°49.3'	79°10.4'	88°45.3'	57°48.4'
9	28°17.5'	78°39.8'	88°14.8'	57°22.3'
10	27°45.8'	78°09.2'	87°44.4'	56°56.3'
11	27°14.0'	77°38.7'	87°14.0'	56°30.4'
12	26°42.3'	77°08.2'	86°43.6'	56°04.6'
13	26°10.7'	76°37.7'	86°13.3'	55°38.9'
14	25°39.0'	76°07.3'	85°43.0'	55°13.3'
15	25°07.4'	75°36.9'	85°12.7'	54°47.8'
16	24°35.9'	75°06.5'	84°42.5'	54°22.3'
17	24°04.3'	74°36.2'	84°12.2'	53°57.0'
18	23°32.8'	74°05.9'	83°42.1'	53°31.8'
19	23°01.3'	73°35.6'	83°11.9'	53°06.7'
20	22°29.9'	73°05.3'	82°41.8'	52°41.7'
21	21°58.5'	72°35.1'	82°11.7'	52°16.8'
22	21°27.1'	72°04.9'	81°41.6'	51°52.0'
23	20°55.8'	71°34.7'	81°11.6'	51°27.3'

Sat Nov 10, 2018 UTC

UTC	–Saturn Lunar Dist.	–Mars Lunar Dist.	–Formalhaut Lunar Dist.	–Altair Lunar Dist.
0	20°24.5'	71°04.6'	80°41.6'	51°02.8'
1	19°53.2'	70°34.5'	80°11.7'	50°38.3'
2	19°22.0'	70°04.4'	79°41.8'	50°14.0'
3	18°50.8'	69°34.4'	79°11.9'	49°49.8'
4	18°19.6'	69°04.4'	78°42.0'	49°25.7'
5	17°48.5'	68°34.4'	78°12.2'	49°01.8'
6	17°17.4'	68°04.4'	77°42.4'	48°37.9'
7	16°46.3'	67°34.5'	77°12.6'	48°14.2'
8	16°15.3'	67°04.6'	76°42.9'	47°50.7'
9	15°44.3'	66°34.8'	76°13.2'	47°27.3'
10	15°13.4'	66°04.9'	75°43.6'	47°04.0'
11	14°42.4'	65°35.1'	75°14.0'	46°40.8'
12	14°11.6'	65°05.3'	74°44.4'	46°17.8'
13	13°40.7'	64°35.6'	74°14.8'	45°55.0'
14	13°09.9'	64°05.9'	73°45.3'	45°32.3'
15	12°39.2'	63°36.2'	73°15.8'	45°09.7'
16	12°08.5'	63°06.5'	72°46.4'	44°47.3'
17	11°37.8'	62°36.9'	72°17.0'	44°25.1'
18	11°07.2'	62°07.3'	71°47.6'	44°03.0'
19	10°36.7'	61°37.7'	71°18.3'	43°41.1'
20	10°06.2'	61°08.1'	70°49.0'	43°19.3'
21	9°35.7'	60°38.6'	70°19.7'	42°57.8'
22	9°05.3'	60°09.1'	69°50.5'	42°36.4'
23	8°35.0'	59°39.6'	69°21.3'	42°15.1'

Sun Nov 11, 2018 UTC

UTC	−Saturn Lunar Dist.	+Antares Lunar Dist.	−Mars Lunar Dist.	−Formalhaut Lunar Dist.	−Altair Lunar Dist.	−Achernar Lunar Dist.
0	8°04.8'	19°21.2'	59°10.2'	68°52.2'	41°54.1'	85°59.6'
1	7°34.7'	19°49.0'	58°40.8'	68°23.0'	41°33.3'	85°42.2'
2	7°04.6'	20°16.9'	58°11.4'	67°54.0'	41°12.6'	85°24.9'
3	6°34.7'	20°45.0'	57°42.0'	67°24.9'	40°52.1'	85°07.6'
4	6°04.9'	21°13.1'	57°12.7'	66°55.9'	40°31.9'	84°50.3'
5	5°35.3'	21°41.4'	56°43.4'	66°27.0'	40°11.8'	84°33.0'
6	5°05.9'	22°09.7'	56°14.1'	65°58.0'	39°51.9'	84°15.8'
7	4°36.8'	22°38.1'	55°44.9'	65°29.1'	39°32.3'	83°58.6'
8	4°08.0'	23°06.6'	55°15.6'	65°00.3'	39°12.8'	83°41.4'
9	3°39.8'	23°35.1'	54°46.4'	64°31.5'	38°53.6'	83°24.3'
10	−	24°03.7'	54°17.2'	64°02.7'	38°34.6'	83°07.2'
11	−	24°32.4'	53°48.1'	63°34.0'	38°15.9'	82°50.2'
12	−	25°01.1'	53°19.0'	63°05.3'	37°57.3'	82°33.2'
13	−	25°29.8'	52°49.8'	62°36.6'	37°39.0'	82°16.2'
14	−	25°58.6'	52°20.8'	62°08.0'	37°21.0'	81°59.3'
15	−	26°27.4'	51°51.7'	61°39.4'	37°03.2'	81°42.4'
16	−	26°56.3'	51°22.7'	61°10.9'	36°45.6'	81°25.5'
17	−	27°25.2'	50°53.7'	60°42.4'	36°28.3'	81°08.7'
18	−	27°54.1'	50°24.7'	60°14.0'	36°11.3'	80°51.9'
19	−	28°23.1'	49°55.7'	59°45.5'	35°54.5'	80°35.2'
20	−	28°52.1'	49°26.8'	59°17.2'	35°38.1'	80°18.5'
21	−	29°21.1'	48°57.9'	58°48.8'	35°21.8'	80°01.8'
22	3°30.7'	29°50.1'	48°29.0'	58°20.6'	35°05.9'	79°45.2'
23	3°58.5'	30°19.2'	48°00.1'	57°52.3'	34°50.3'	79°28.7'

Mon Nov 12, 2018 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Antares Lunar Dist.	−Mars Lunar Dist.	−Formalhaut Lunar Dist.	−Altair Lunar Dist.	−Achernar Lunar Dist.
0	50°41.2'	4°26.8'	30°48.2'	47°31.3'	57°24.1'	34°35.0'	79°12.2'
1	51°08.8'	4°55.4'	31°17.3'	47°02.4'	56°56.0'	34°19.9'	78°55.7'
2	51°36.5'	5°24.2'	31°46.4'	46°33.6'	56°27.9'	34°05.2'	78°39.3'
3	52°04.1'	5°53.3'	32°15.5'	46°04.9'	55°59.8'	33°50.8'	78°23.0'
4	52°31.6'	6°22.4'	32°44.7'	45°36.1'	55°31.8'	33°36.7'	78°06.6'
5	52°59.2'	6°51.7'	33°13.8'	45°07.4'	55°03.8'	33°22.9'	77°50.4'
6	53°26.7'	7°21.1'	33°42.9'	44°38.6'	54°35.9'	33°09.5'	77°34.2'
7	53°54.3'	7°50.5'	34°12.1'	44°09.9'	54°08.0'	32°56.4'	77°18.0'
8	54°21.8'	8°19.9'	34°41.2'	43°41.3'	53°40.1'	32°43.6'	77°01.9'
9	54°49.3'	8°49.4'	35°10.4'	43°12.6'	53°12.3'	32°31.2'	76°45.9'
10	55°16.7'	9°19.0'	35°39.6'	42°44.0'	52°44.6'	32°19.2'	76°29.9'
11	55°44.2'	9°48.5'	36°08.7'	42°15.3'	52°16.9'	32°07.5'	76°13.9'
12	56°11.6'	10°18.1'	36°37.9'	41°46.7'	51°49.2'	31°56.1'	75°58.0'
13	56°39.1'	10°47.6'	37°07.1'	41°18.2'	51°21.6'	31°45.2'	75°42.2'
14	57°06.5'	11°17.2'	37°36.3'	40°49.6'	50°54.1'	31°34.6'	75°26.4'
15	57°33.9'	11°46.8'	38°05.5'	40°21.0'	50°26.6'	31°24.4'	75°10.7'
16	58°01.2'	12°16.4'	38°34.7'	39°52.5'	49°59.1'	31°14.6'	74°55.1'
17	58°28.6'	12°45.9'	39°03.8'	39°24.0'	49°31.8'	31°05.2'	74°39.5'
18	58°55.9'	13°15.5'	39°33.0'	38°55.5'	49°04.4'	30°56.2'	74°24.0'
19	59°23.3'	13°45.1'	40°02.2'	38°27.0'	48°37.1'	30°47.6'	74°08.5'
20	59°50.6'	14°14.6'	40°31.4'	37°58.6'	48°09.9'	30°39.4'	73°53.1'
21	60°17.9'	14°44.2'	41°00.6'	37°30.1'	47°42.7'	30°31.6'	73°37.7'
22	60°45.2'	15°13.8'	41°29.8'	37°01.7'	47°15.6'	30°24.2'	73°22.5'
23	61°12.4'	15°43.3'	41°59.0'	36°33.3'	46°48.5'	30°17.3'	73°07.3'

Tue Nov 13, 2018 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Mars Lunar Dist.	-Formalhaut Lunar Dist.	-Achernar Lunar Dist.
0	61°39.7'	16°12.9'	42°28.2'	36°04.9'	46°21.5'	72°52.1'
1	62°06.9'	16°42.4'	42°57.4'	35°36.5'	45°54.6'	72°37.0'
2	62°34.2'	17°11.9'	43°26.5'	35°08.2'	45°27.7'	72°22.0'
3	63°01.4'	17°41.4'	43°55.7'	34°39.8'	45°00.9'	72°07.1'
4	63°28.6'	18°11.0'	44°24.9'	34°11.5'	44°34.1'	71°52.2'
5	63°55.8'	18°40.5'	44°54.1'	33°43.2'	44°07.4'	71°37.4'
6	64°23.0'	19°09.9'	45°23.3'	33°14.9'	43°40.8'	71°22.7'
7	64°50.1'	19°39.4'	45°52.4'	32°46.6'	43°14.2'	71°08.0'
8	65°17.3'	20°08.9'	46°21.6'	32°18.3'	42°47.7'	70°53.4'
9	65°44.4'	20°38.4'	46°50.8'	31°50.0'	42°21.3'	70°38.9'
10	66°11.6'	21°07.8'	47°20.0'	31°21.8'	41°54.9'	70°24.5'
11	66°38.7'	21°37.3'	47°49.1'	30°53.5'	41°28.6'	70°10.1'
12	67°05.8'	22°06.7'	48°18.3'	30°25.3'	41°02.4'	69°55.8'
13	67°32.9'	22°36.2'	48°47.5'	29°57.1'	40°36.3'	69°41.6'
14	67°60.0'	23°05.6'	49°16.6'	29°28.9'	40°10.2'	69°27.5'
15	68°27.1'	23°35.0'	49°45.8'	29°00.7'	39°44.2'	69°13.4'
16	68°54.1'	24°04.4'	50°14.9'	28°32.5'	39°18.3'	68°59.5'
17	69°21.2'	24°33.8'	50°44.1'	28°04.3'	38°52.5'	68°45.6'
18	69°48.3'	25°03.2'	51°13.3'	27°36.1'	38°26.8'	68°31.8'
19	70°15.3'	25°32.6'	51°42.4'	27°08.0'	38°01.2'	68°18.1'
20	70°42.4'	26°02.0'	52°11.6'	26°39.8'	37°35.6'	68°04.4'
21	71°09.4'	26°31.4'	52°40.7'	26°11.7'	37°10.2'	67°50.9'
22	71°36.4'	27°00.8'	53°09.9'	25°43.6'	36°44.8'	67°37.4'
23	72°03.4'	27°30.1'	53°39.0'	25°15.5'	36°19.6'	67°24.0'

Wed Nov 14, 2018 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	-Mars Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.
0	72°30.4'	27°59.5'	24°47.3'	54°08.2'	35°54.4'
1	72°57.5'	28°28.8'	24°19.2'	54°37.3'	35°29.4'
2	73°24.5'	28°58.2'	23°51.1'	55°06.5'	35°04.4'
3	73°51.5'	29°27.5'	23°23.1'	55°35.6'	34°39.6'
4	74°18.4'	29°56.9'	22°55.0'	56°04.8'	34°14.9'
5	74°45.4'	30°26.2'	22°26.9'	56°33.9'	33°50.3'
6	75°12.4'	30°55.5'	21°58.8'	57°03.1'	33°25.8'
7	75°39.4'	31°24.9'	21°30.8'	57°32.2'	33°01.5'
8	76°06.4'	31°54.2'	21°02.7'	58°01.4'	32°37.3'
9	76°33.3'	32°23.5'	20°34.6'	58°30.5'	32°13.2'
10	77°00.3'	32°52.8'	20°06.6'	58°59.7'	31°49.3'
11	77°27.3'	33°22.1'	19°38.6'	59°28.8'	31°25.5'
12	77°54.2'	33°51.4'	19°10.5'	59°58.0'	31°01.9'
13	78°21.2'	34°20.8'	18°42.5'	60°27.1'	30°38.4'
14	78°48.1'	34°50.1'	18°14.5'	60°56.3'	30°15.1'
15	79°15.1'	35°19.4'	17°46.4'	61°25.5'	29°51.9'
16	79°42.1'	35°48.7'	17°18.4'	61°54.6'	29°28.9'
17	80°09.0'	36°18.0'	16°50.4'	62°23.8'	29°06.1'
18	80°36.0'	36°47.3'	16°22.4'	62°53.0'	28°43.5'
19	81°02.9'	37°16.6'	15°54.4'	63°22.1'	28°21.1'
20	81°29.9'	37°45.9'	15°26.4'	63°51.3'	27°58.9'
21	81°56.8'	38°15.2'	14°58.3'	64°20.5'	27°36.9'
22	82°23.8'	38°44.5'	14°30.3'	64°49.7'	27°15.2'
23	82°50.8'	39°13.9'	14°02.3'	65°18.9'	26°53.6'

Thu Nov 15, 2018 UTC

UTC	+Sun Lunar Dist.	-Mars Lunar Dist.	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.	-Aldebaran Lunar Dist.	-Rigel Lunar Dist.
0	83°17.7'	13°34.3'	39°43.2'	65°48.1'	26°32.3'	113°55.3'	115°30.5'
1	83°44.7'	13°06.4'	40°12.5'	66°17.3'	26°11.3'	113°25.7'	115°05.1'
2	84°11.6'	12°38.4'	40°41.8'	66°46.5'	25°50.4'	112°56.1'	114°39.7'
3	84°38.6'	12°10.4'	41°11.1'	67°15.7'	25°29.9'	112°26.6'	114°14.2'
4	85°05.6'	11°42.4'	41°40.5'	67°44.9'	25°09.6'	111°57.0'	113°48.7'
5	85°32.6'	11°14.4'	42°09.8'	68°14.1'	24°49.7'	111°27.4'	113°23.2'
6	85°59.5'	10°46.4'	42°39.1'	68°43.3'	24°30.0'	110°57.8'	112°57.6'
7	86°26.5'	10°18.5'	43°08.5'	69°12.6'	24°10.6'	110°28.2'	112°32.1'
8	86°53.5'	9°50.5'	43°37.8'	69°41.8'	23°51.6'	109°58.6'	112°06.4'
9	87°20.5'	9°22.5'	44°07.2'	70°11.1'	23°32.9'	109°29.0'	111°40.8'
10	87°47.5'	8°54.6'	44°36.5'	70°40.3'	23°14.6'	108°59.4'	111°15.1'
11	88°14.5'	8°26.7'	45°05.9'	71°09.6'	22°56.6'	108°29.8'	110°49.4'
12	88°41.5'	7°58.7'	45°35.3'	71°38.9'	22°39.0'	108°00.2'	110°23.7'
13	89°08.6'	7°30.8'	46°04.6'	72°08.1'	22°21.8'	107°30.6'	109°57.9'
14	89°35.6'	7°03.0'	46°34.0'	72°37.4'	22°05.1'	107°01.0'	109°32.1'
15	90°02.6'	6°35.1'	47°03.4'	73°06.7'	21°48.7'	106°31.3'	109°06.3'
16	90°29.7'	6°07.3'	47°32.8'	73°36.0'	21°32.8'	106°01.7'	108°40.5'
17	90°56.7'	5°39.5'	48°02.2'	74°05.3'	21°17.4'	105°32.0'	108°14.6'
18	91°23.8'	5°11.8'	48°31.6'	74°34.7'	21°02.4'	105°02.4'	107°48.7'
19	91°50.8'	4°44.2'	49°01.1'	75°04.0'	20°47.9'	104°32.7'	107°22.8'
20	92°17.9'	4°16.6'	49°30.5'	75°33.4'	20°34.0'	104°03.0'	106°56.8'
21	92°45.0'	3°49.2'	49°59.9'	76°02.7'	20°20.6'	103°33.3'	106°30.8'
22	93°12.1'	3°22.0'	50°29.4'	76°32.1'	20°07.7'	103°03.6'	106°04.8'
23	93°39.2'	2°55.2'	50°58.8'	77°01.5'	19°55.4'	102°33.9'	105°38.8'

Fri Nov 16, 2018 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	-Rigel Lunar Dist.	+Altair Lunar Dist.
0	94°06.3'	51°28.3'	77°30.9'	102°04.2'	119°11.5'	105°12.7'	40°07.6'
1	94°33.5'	51°57.8'	78°00.3'	101°34.5'	118°42.8'	104°46.6'	40°26.9'
2	95°00.6'	52°27.3'	78°29.7'	101°04.7'	118°14.1'	104°20.5'	40°46.4'
3	95°27.7'	52°56.8'	78°59.1'	100°35.0'	117°45.4'	103°54.4'	41°06.1'
4	95°54.9'	53°26.3'	79°28.6'	100°05.2'	117°16.7'	103°28.2'	41°26.0'
5	96°22.1'	53°55.9'	79°58.0'	99°35.4'	116°47.9'	103°02.0'	41°46.0'
6	96°49.3'	54°25.4'	80°27.5'	99°05.7'	116°19.1'	102°35.8'	42°06.2'
7	97°16.5'	54°55.0'	80°57.0'	98°35.9'	115°50.3'	102°09.5'	42°26.6'
8	97°43.7'	55°24.5'	81°26.5'	98°06.0'	115°21.5'	101°43.3'	42°47.1'
9	98°10.9'	55°54.1'	81°56.0'	97°36.2'	114°52.7'	101°17.0'	43°07.8'
10	98°38.2'	56°23.7'	82°25.5'	97°06.4'	114°23.8'	100°50.7'	43°28.6'
11	99°05.4'	56°53.4'	82°55.1'	96°36.5'	113°54.9'	100°24.3'	43°49.6'
12	99°32.7'	57°23.0'	83°24.7'	96°06.6'	113°26.0'	99°58.0'	44°10.7'
13	99°60.0'	57°52.6'	83°54.2'	95°36.7'	112°57.1'	99°31.6'	44°32.0'
14	100°27.3'	58°22.3'	84°23.8'	95°06.8'	112°28.1'	99°05.2'	44°53.4'
15	100°54.6'	58°52.0'	84°53.4'	94°36.9'	111°59.1'	98°38.8'	45°14.9'
16	101°21.9'	59°21.7'	85°23.1'	94°06.9'	111°30.1'	98°12.3'	45°36.6'
17	101°49.3'	59°51.4'	85°52.7'	93°37.0'	111°01.1'	97°45.8'	45°58.4'
18	102°16.7'	60°21.1'	86°22.4'	93°07.0'	110°32.0'	97°19.3'	46°20.4'
19	102°44.1'	60°50.9'	86°52.1'	92°37.0'	110°03.0'	96°52.8'	46°42.5'
20	103°11.5'	61°20.7'	87°21.8'	92°07.0'	109°33.9'	96°26.2'	47°04.7'
21	103°38.9'	61°50.4'	87°51.5'	91°37.0'	109°04.7'	95°59.7'	47°27.0'
22	104°06.3'	62°20.2'	88°21.2'	91°06.9'	108°35.6'	95°33.1'	47°49.5'
23	104°33.8'	62°50.1'	88°51.0'	90°36.9'	108°06.4'	95°06.5'	48°12.0'

Sat Nov 17, 2018 UTC

UTC	+Sun Lunar Dist.	+Mars Lunar Dist.	+Saturn Lunar Dist.	-Aldebaran Lunar Dist.	+Antares Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.
0	105°01.3'	9°06.7'	63°19.9'	90°06.8'	89°20.8'	107°37.2'	48°34.7'
1	105°28.8'	9°35.1'	63°49.8'	89°36.7'	89°50.5'	107°08.0'	48°57.5'
2	105°56.3'	10°03.6'	64°19.7'	89°06.5'	90°20.4'	106°38.8'	49°20.4'
3	106°23.8'	10°32.1'	64°49.6'	88°36.4'	90°50.2'	106°09.5'	49°43.4'
4	106°51.4'	11°00.7'	65°19.5'	88°06.2'	91°20.1'	105°40.2'	50°06.6'
5	107°19.0'	11°29.2'	65°49.4'	87°36.0'	91°49.9'	105°10.9'	50°29.8'
6	107°46.6'	11°57.8'	66°19.4'	87°05.8'	92°19.8'	104°41.6'	50°53.2'
7	108°14.2'	12°26.5'	66°49.4'	86°35.6'	92°49.8'	104°12.2'	51°16.6'
8	108°41.9'	12°55.1'	67°19.4'	86°05.3'	93°19.7'	103°42.8'	51°40.2'
9	109°09.5'	13°23.8'	67°49.4'	85°35.0'	93°49.7'	103°13.4'	52°03.8'
10	109°37.2'	13°52.5'	68°19.5'	85°04.7'	94°19.6'	102°44.0'	52°27.6'
11	110°04.9'	14°21.3'	68°49.6'	84°34.4'	94°49.7'	102°14.5'	52°51.4'
12	110°32.7'	14°50.0'	69°19.7'	84°04.1'	95°19.7'	101°45.0'	53°15.4'
13	111°00.4'	15°18.8'	69°49.8'	83°33.7'	95°49.7'	101°15.5'	53°39.4'
14	111°28.2'	15°47.6'	70°20.0'	83°03.3'	96°19.8'	100°46.0'	54°03.5'
15	111°56.0'	16°16.5'	70°50.2'	82°32.9'	96°49.9'	100°16.4'	54°27.7'
16	112°23.9'	16°45.4'	71°20.4'	82°02.4'	97°20.0'	99°46.8'	54°52.1'
17	112°51.7'	17°14.3'	71°50.6'	81°32.0'	97°50.2'	99°17.2'	55°16.5'
18	113°19.6'	17°43.2'	72°20.8'	81°01.5'	98°20.4'	98°47.5'	55°40.9'
19	113°47.5'	18°12.2'	72°51.1'	80°30.9'	98°50.6'	98°17.8'	56°05.5'
20	114°15.4'	18°41.2'	73°21.4'	80°00.4'	99°20.8'	97°48.1'	56°30.2'
21	114°43.4'	19°10.2'	73°51.8'	79°29.8'	99°51.0'	97°18.4'	56°54.9'
22	115°11.4'	19°39.2'	74°22.1'	78°59.2'	100°21.3'	96°48.6'	57°19.7'
23	115°39.4'	20°08.3'	74°52.5'	78°28.6'	100°51.6'	96°18.8'	57°44.7'

Sun Nov 18, 2018 UTC

UTC	+Sun Lunar Dist.	+Mars Lunar Dist.	+Saturn Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.
0	116°07.4'	20°37.4'	75°22.9'	77°57.9'	95°49.0'	58°09.6'	83°54.2'
1	116°35.5'	21°06.5'	75°53.4'	77°27.2'	95°19.1'	58°34.7'	83°27.0'
2	117°03.6'	21°35.7'	76°23.8'	76°56.5'	94°49.3'	58°59.9'	82°59.9'
3	117°31.7'	22°04.9'	76°54.3'	76°25.8'	94°19.4'	59°25.1'	82°32.7'
4	117°59.8'	22°34.1'	77°24.9'	75°55.0'	93°49.4'	59°50.4'	82°05.5'
5	118°28.0'	23°03.4'	77°55.4'	75°24.2'	93°19.5'	60°15.8'	81°38.3'
6	118°56.2'	23°32.6'	78°26.0'	74°53.4'	92°49.5'	60°41.2'	81°11.0'
7	119°24.5'	24°02.0'	78°56.6'	74°22.5'	92°19.4'	61°06.7'	80°43.8'
8	119°52.7'	24°31.3'	79°27.3'	73°51.6'	91°49.4'	61°32.3'	80°16.5'
9	120°21.0'	25°00.7'	79°57.9'	73°20.7'	91°19.3'	61°58.0'	79°49.2'
10	120°49.3'	25°30.1'	80°28.6'	72°49.8'	90°49.2'	62°23.7'	79°21.9'
11	121°17.7'	25°59.5'	80°59.4'	72°18.8'	90°19.0'	62°49.5'	78°54.6'
12	121°46.0'	26°29.0'	81°30.1'	71°47.8'	89°48.9'	63°15.4'	78°27.3'
13	122°14.5'	26°58.5'	82°00.9'	71°16.8'	89°18.7'	63°41.4'	77°60.0'
14	122°42.9'	27°28.0'	82°31.8'	70°45.7'	88°48.4'	64°07.4'	77°32.6'
15	123°11.4'	27°57.5'	83°02.6'	70°14.6'	88°18.2'	64°33.5'	77°05.2'
16	123°39.9'	28°27.1'	83°33.5'	69°43.4'	87°47.9'	64°59.6'	76°37.8'
17	124°08.4'	28°56.8'	84°04.4'	69°12.3'	87°17.5'	65°25.8'	76°10.4'
18	124°37.0'	29°26.4'	84°35.4'	68°41.1'	86°47.2'	65°52.1'	75°43.0'
19	125°05.5'	29°56.1'	85°06.4'	68°09.8'	86°16.8'	66°18.4'	75°15.6'
20	125°34.2'	30°25.8'	85°37.4'	67°38.6'	85°46.4'	66°44.9'	74°48.2'
21	126°02.8'	30°55.6'	86°08.5'	67°07.3'	85°15.9'	67°11.3'	74°20.7'
22	126°31.5'	31°25.4'	86°39.5'	66°36.0'	84°45.4'	67°37.9'	73°53.3'
23	127°00.2'	31°55.2'	87°10.7'	66°04.6'	84°14.9'	68°04.5'	73°25.8'

Mon Nov 19, 2018 UTC

UTC	+Mars Lunar Dist.	-Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.	+Saturn Lunar Dist.	-Betelgeuse Lunar Dist.	-Pollux Lunar Dist.	-Rigel Lunar Dist.
0	32°25.1'	65°33.2'	33°33.3'	87°41.8'	83°44.4'	109°37.5'	72°58.3'
1	32°55.0'	65°01.8'	33°59.4'	88°13.0'	83°13.8'	109°06.4'	72°30.9'
2	33°24.9'	64°30.3'	34°25.6'	88°44.2'	82°43.2'	108°35.2'	72°03.4'
3	33°54.9'	63°58.8'	34°51.9'	89°15.5'	82°12.6'	108°03.9'	71°35.9'
4	34°24.8'	63°27.3'	35°18.4'	89°46.8'	81°41.9'	107°32.6'	71°08.4'
5	34°54.9'	62°55.7'	35°45.1'	90°18.1'	81°11.2'	107°01.3'	70°40.9'
6	35°24.9'	62°24.1'	36°11.9'	90°49.5'	80°40.5'	106°30.0'	70°13.3'
7	35°55.0'	61°52.4'	36°38.8'	91°20.9'	80°09.7'	105°58.6'	69°45.8'
8	36°25.2'	61°20.8'	37°05.9'	91°52.3'	79°38.9'	105°27.2'	69°18.3'
9	36°55.4'	60°49.1'	37°33.1'	92°23.8'	79°08.1'	104°55.7'	68°50.8'
10	37°25.6'	60°17.3'	38°00.5'	92°55.3'	78°37.2'	104°24.2'	68°23.2'
11	37°55.8'	59°45.5'	38°27.9'	93°26.8'	78°06.3'	103°52.7'	67°55.7'
12	38°26.1'	59°13.7'	38°55.5'	93°58.4'	77°35.4'	103°21.1'	67°28.1'
13	38°56.4'	58°41.9'	39°23.3'	94°30.0'	77°04.5'	102°49.5'	67°00.6'
14	39°26.8'	58°10.0'	39°51.1'	95°01.7'	76°33.5'	102°17.8'	66°33.1'
15	39°57.2'	57°38.0'	40°19.1'	95°33.4'	76°02.5'	101°46.1'	66°05.5'
16	40°27.6'	57°06.1'	40°47.1'	96°05.1'	75°31.4'	101°14.4'	65°38.0'
17	40°58.1'	56°34.1'	41°15.3'	96°36.9'	75°00.3'	100°42.6'	65°10.5'
18	41°28.6'	56°02.0'	41°43.6'	97°08.7'	74°29.2'	100°10.8'	64°42.9'
19	41°59.1'	55°30.0'	42°12.0'	97°40.5'	73°58.1'	99°39.0'	64°15.4'
20	42°29.7'	54°57.8'	42°40.5'	98°12.4'	73°26.9'	99°07.1'	63°47.9'
21	43°00.3'	54°25.7'	43°09.1'	98°44.3'	72°55.7'	98°35.2'	63°20.4'
22	43°30.9'	53°53.5'	43°37.8'	99°16.2'	72°24.5'	98°03.3'	62°52.9'
23	44°01.6'	53°21.3'	44°06.6'	99°48.2'	71°53.2'	97°31.3'	62°25.4'

Tue Nov 20, 2018 UTC

UTC	-Aldebaran Lunar Dist.	+Mars Lunar Dist.	+Formalhaut Lunar Dist.	-Betelgeuse Lunar Dist.	-Pollux Lunar Dist.	+Saturn Lunar Dist.	-Capella Lunar Dist.
0	52°49.0'	44°32.4'	44°35.5'	71°21.9'	96°59.2'	100°20.2'	69°21.4'
1	52°16.7'	45°03.1'	45°04.5'	70°50.6'	96°27.2'	100°52.3'	68°52.8'
2	51°44.4'	45°33.9'	45°33.6'	70°19.2'	95°55.1'	101°24.4'	68°24.2'
3	51°12.0'	46°04.8'	46°02.8'	69°47.8'	95°22.9'	101°56.5'	67°55.6'
4	50°39.6'	46°35.6'	46°32.0'	69°16.4'	94°50.7'	102°28.7'	67°27.0'
5	50°07.1'	47°06.6'	47°01.4'	68°44.9'	94°18.5'	103°00.9'	66°58.4'
6	49°34.6'	47°37.5'	47°30.8'	68°13.5'	93°46.3'	103°33.2'	66°29.8'
7	49°02.1'	48°08.5'	48°00.4'	67°41.9'	93°14.0'	104°05.5'	66°01.1'
8	48°29.5'	48°39.6'	48°30.0'	67°10.4'	92°41.6'	104°37.8'	65°32.5'
9	47°56.9'	49°10.6'	48°59.7'	66°38.8'	92°09.2'	105°10.2'	65°03.9'
10	47°24.3'	49°41.7'	49°29.5'	66°07.2'	91°36.8'	105°42.6'	64°35.3'
11	46°51.6'	50°12.9'	49°59.3'	65°35.6'	91°04.4'	106°15.0'	64°06.6'
12	46°18.9'	50°44.1'	50°29.3'	65°04.0'	90°31.9'	106°47.5'	63°38.0'
13	45°46.1'	51°15.3'	50°59.3'	64°32.3'	89°59.3'	107°20.0'	63°09.4'
14	45°13.3'	51°46.6'	51°29.4'	64°00.6'	89°26.8'	107°52.6'	62°40.7'
15	44°40.5'	52°17.9'	51°59.5'	63°28.8'	88°54.2'	108°25.2'	62°12.1'
16	44°07.6'	52°49.2'	52°29.8'	62°57.1'	88°21.5'	108°57.8'	61°43.5'
17	43°34.7'	53°20.6'	53°00.1'	62°25.3'	87°48.8'	109°30.5'	61°14.9'
18	43°01.8'	53°52.0'	53°30.5'	61°53.5'	87°16.1'	110°03.2'	60°46.3'
19	42°28.8'	54°23.5'	54°00.9'	61°21.6'	86°43.3'	110°36.0'	60°17.7'
20	41°55.7'	54°55.0'	54°31.5'	60°49.7'	86°10.5'	111°08.8'	59°49.1'
21	41°22.7'	55°26.5'	55°02.1'	60°17.8'	85°37.7'	111°41.6'	59°20.6'
22	40°49.6'	55°58.1'	55°32.7'	59°45.9'	85°04.8'	112°14.5'	58°52.0'
23	40°16.4'	56°29.7'	56°03.5'	59°14.0'	84°31.9'	112°47.4'	58°23.5'

Wed Nov 21, 2018 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	+Mars Lunar Dist.	+Formalhaut Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Capella Lunar Dist.
0	39°43.2′	58°42.0′	57°01.4′	56°34.3′	83°58.9′	84°39.5′	57°55.0′
1	39°10.0′	58°10.0′	57°33.1′	57°05.1′	83°25.9′	84°07.5′	57°26.5′
2	38°36.7′	57°38.0′	58°04.8′	57°36.1′	82°52.9′	83°35.5′	56°58.0′
3	38°03.4′	57°06.0′	58°36.6′	58°07.1′	82°19.8′	83°03.4′	56°29.5′
4	37°30.1′	56°33.9′	59°08.4′	58°38.1′	81°46.7′	82°31.3′	56°01.1′
5	36°56.7′	56°01.8′	59°40.3′	59°09.3′	81°13.6′	81°59.2′	55°32.7′
6	36°23.3′	55°29.7′	60°12.2′	59°40.5′	80°40.4′	81°27.0′	55°04.3′
7	35°49.9′	54°57.6′	60°44.1′	60°11.7′	80°07.2′	80°54.8′	54°36.0′
8	35°16.4′	54°25.5′	61°16.1′	60°43.0′	79°33.9′	80°22.6′	54°07.7′
9	34°42.9′	53°53.3′	61°48.1′	61°14.4′	79°00.6′	79°50.3′	53°39.4′
10	34°09.3′	53°21.2′	62°20.1′	61°45.8′	78°27.3′	79°18.0′	53°11.2′
11	33°35.7′	52°49.0′	62°52.2′	62°17.3′	77°53.9′	78°45.6′	52°43.0′
12	33°02.1′	52°16.8′	63°24.3′	62°48.8′	77°20.5′	78°13.3′	52°14.8′
13	32°28.4′	51°44.6′	63°56.5′	63°20.4′	76°47.0′	77°40.9′	51°46.7′
14	31°54.7′	51°12.3′	64°28.7′	63°52.1′	76°13.5′	77°08.4′	51°18.7′
15	31°20.9′	50°40.1′	65°00.9′	64°23.8′	75°40.0′	76°36.0′	50°50.7′
16	30°47.1′	50°07.9′	65°33.2′	64°55.6′	75°06.5′	76°03.5′	50°22.7′
17	30°13.3′	49°35.6′	66°05.5′	65°27.4′	74°32.9′	75°31.0′	49°54.8′
18	29°39.5′	49°03.3′	66°37.8′	65°59.3′	73°59.2′	74°58.4′	49°27.0′
19	29°05.6′	48°31.0′	67°10.2′	66°31.2′	73°25.6′	74°25.8′	48°59.2′
20	28°31.7′	47°58.8′	67°42.6′	67°03.2′	72°51.9′	73°53.2′	48°31.5′
21	27°57.7′	47°26.5′	68°15.1′	67°35.2′	72°18.1′	73°20.6′	48°03.9′
22	27°23.7′	46°54.2′	68°47.6′	68°07.3′	71°44.4′	72°47.9′	47°36.3′
23	26°49.7′	46°21.9′	69°20.1′	68°39.4′	71°10.6′	72°15.2′	47°08.8′

Thu Nov 22, 2018 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	−Pollux Lunar Dist.	+Mars Lunar Dist.	−Procyon Lunar Dist.	+Formalhaut Lunar Dist.	−Regulus Lunar Dist.
0	26°15.6′	45°49.6′	70°36.7′	69°52.7′	71°42.5′	69°11.6′	106°22.6′
1	25°41.5′	45°17.3′	70°02.8′	70°25.3′	71°09.8′	69°43.8′	105°48.5′
2	25°07.4′	44°45.0′	69°28.9′	70°57.9′	70°37.0′	70°16.1′	105°14.3′
3	24°33.2′	44°12.7′	68°55.0′	71°30.6′	70°04.2′	70°48.4′	104°40.1′
4	23°59.0′	43°40.4′	68°21.0′	72°03.3′	69°31.4′	71°20.8′	104°05.8′
5	23°24.8′	43°08.1′	67°47.0′	72°36.1′	68°58.5′	71°53.2′	103°31.5′
6	22°50.5′	42°35.8′	67°12.9′	73°08.9′	68°25.7′	72°25.7′	102°57.2′
7	22°16.2′	42°03.6′	66°38.9′	73°41.7′	67°52.8′	72°58.2′	102°22.8′
8	21°41.9′	41°31.3′	66°04.8′	74°14.6′	67°19.9′	73°30.8′	101°48.4′
9	21°07.6′	40°59.1′	65°30.6′	74°47.4′	66°46.9′	74°03.4′	101°14.0′
10	20°33.2′	40°26.9′	64°56.4′	75°20.4′	66°14.0′	74°36.0′	100°39.5′
11	19°58.8′	39°54.7′	64°22.2′	75°53.3′	65°41.0′	75°08.7′	100°05.0′
12	19°24.3′	39°22.5′	63°48.0′	76°26.3′	65°08.0′	75°41.4′	99°30.5′
13	18°49.9′	38°50.3′	63°13.7′	76°59.4′	64°35.0′	76°14.2′	98°55.9′
14	18°15.4′	38°18.2′	62°39.4′	77°32.4′	64°02.0′	76°47.0′	98°21.3′
15	17°40.9′	37°46.1′	62°05.1′	78°05.5′	63°29.0′	77°19.9′	97°46.7′
16	17°06.3′	37°14.1′	61°30.8′	78°38.6′	62°55.9′	77°52.8′	97°12.0′
17	16°31.8′	36°42.1′	60°56.4′	79°11.8′	62°22.8′	78°25.7′	96°37.3′
18	15°57.2′	36°10.1′	60°22.0′	79°45.0′	61°49.8′	78°58.7′	96°02.6′
19	15°22.6′	35°38.2′	59°47.5′	80°18.2′	61°16.7′	79°31.7′	95°27.8′
20	14°48.0′	35°06.3′	59°13.1′	80°51.5′	60°43.5′	80°04.7′	94°53.0′
21	14°13.4′	34°34.5′	58°38.6′	81°24.8′	60°10.4′	80°37.8′	94°18.2′
22	13°38.7′	34°02.7′	58°04.0′	81°58.1′	59°37.3′	81°10.9′	93°43.3′
23	13°04.1′	33°31.0′	57°29.5′	82°31.4′	59°04.2′	81°44.1′	93°08.4′

Fri Nov 23, 2018 UTC

UTC	−Aldebaran Lunar Dist.	−Pollux Lunar Dist.	−Betelgeuse Lunar Dist.	−Procyon Lunar Dist.	−Regulus Lunar Dist.	+Mars Lunar Dist.	+Formalhaut Lunar Dist.
0	12°29.4'	56°54.9'	32°59.4'	58°31.0'	92°33.5'	83°04.8'	82°17.3'
1	11°54.8'	56°20.3'	32°27.8'	57°57.9'	91°58.5'	83°38.2'	82°50.5'
2	11°20.1'	55°45.7'	31°56.3'	57°24.7'	91°23.5'	84°11.7'	83°23.7'
3	10°45.5'	55°11.0'	31°24.9'	56°51.5'	90°48.5'	84°45.2'	83°57.0'
4	10°10.9'	54°36.3'	30°53.6'	56°18.4'	90°13.4'	85°18.7'	84°30.4'
5	9°36.3'	54°01.6'	30°22.4'	55°45.2'	89°38.4'	85°52.2'	85°03.7'
6	9°01.7'	53°26.9'	29°51.3'	55°12.0'	89°03.2'	86°25.8'	85°37.1'
7	8°27.2'	52°52.2'	29°20.3'	54°38.8'	88°28.1'	86°59.4'	86°10.5'
8	7°52.7'	52°17.4'	28°49.4'	54°05.7'	87°52.9'	87°33.0'	86°43.9'
9	7°18.4'	51°42.6'	28°18.7'	53°32.5'	87°17.7'	88°06.6'	87°17.4'
10	6°44.1'	51°07.8'	27°48.1'	52°59.3'	86°42.5'	88°40.3'	87°50.9'
11	6°10.0'	50°33.0'	27°17.6'	52°26.2'	86°07.3'	89°14.0'	88°24.4'
12	5°36.2'	49°58.1'	26°47.3'	51°53.0'	85°32.0'	89°47.7'	88°58.0'
13	5°02.6'	49°23.3'	26°17.2'	51°19.9'	84°56.7'	90°21.5'	89°31.6'
14	4°29.5'	48°48.4'	25°47.2'	50°46.7'	84°21.4'	90°55.3'	90°05.2'
15	–	48°13.5'	25°17.5'	50°13.6'	83°46.0'	91°29.1'	90°38.8'
16	–	47°38.6'	24°47.9'	49°40.5'	83°10.6'	92°02.9'	91°12.5'
17	–	47°03.6'	24°18.6'	49°07.4'	82°35.2'	92°36.7'	91°46.2'
18	–	46°28.7'	23°49.5'	48°34.4'	81°59.8'	93°10.6'	92°19.9'
19	–	45°53.7'	23°20.7'	48°01.3'	81°24.3'	93°44.5'	92°53.6'
20	–	45°18.8'	22°52.1'	47°28.3'	80°48.8'	94°18.5'	93°27.3'
21	–	44°43.8'	22°23.9'	46°55.3'	80°13.3'	94°52.4'	94°01.1'
22	–	44°08.8'	21°55.9'	46°22.3'	79°37.8'	95°26.4'	94°34.9'
23	–	43°33.8'	21°28.3'	45°49.3'	79°02.3'	96°00.4'	95°08.7'

Sat Nov 24, 2018 UTC

UTC	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Regulus Lunar Dist.	−Betelgeuse Lunar Dist.	+Mars Lunar Dist.	+Formalhaut Lunar Dist.	−Sirius Lunar Dist.
0	42°58.7'	45°16.4'	78°26.7'	21°01.1'	96°34.4'	95°42.5'	46°29.1'
1	42°23.7'	44°43.5'	77°51.1'	20°34.3'	97°08.5'	96°16.4'	46°10.7'
2	41°48.7'	44°10.7'	77°15.5'	20°07.8'	97°42.5'	96°50.2'	45°52.4'
3	41°13.6'	43°37.9'	76°39.8'	19°41.8'	98°16.6'	97°24.1'	45°34.5'
4	40°38.6'	43°05.1'	76°04.2'	19°16.3'	98°50.7'	97°58.0'	45°16.8'
5	40°03.5'	42°32.3'	75°28.5'	18°51.4'	99°24.8'	98°31.9'	44°59.3'
6	39°28.5'	41°59.7'	74°52.8'	18°26.9'	99°59.0'	99°05.8'	44°42.2'
7	38°53.4'	41°27.0'	74°17.1'	18°03.1'	100°33.1'	99°39.7'	44°25.3'
8	38°18.3'	40°54.4'	73°41.3'	17°39.9'	101°07.3'	100°13.7'	44°08.7'
9	37°43.3'	40°21.9'	73°05.6'	17°17.4'	101°41.5'	100°47.6'	43°52.4'
10	37°08.2'	39°49.5'	72°29.8'	16°55.6'	102°15.8'	101°21.6'	43°36.4'
11	36°33.2'	39°17.1'	71°54.0'	–	102°50.0'	101°55.6'	43°20.8'
12	35°58.1'	38°44.7'	71°18.2'	–	103°24.2'	102°29.5'	43°05.4'
13	35°23.1'	38°12.5'	70°42.4'	–	103°58.5'	103°03.5'	42°50.3'
14	34°48.0'	37°40.3'	70°06.5'	–	104°32.8'	103°37.5'	42°35.6'
15	34°13.0'	37°08.2'	69°30.7'	–	105°07.1'	104°11.5'	42°21.2'
16	33°38.0'	36°36.2'	68°54.8'	–	105°41.4'	104°45.6'	42°07.2'
17	33°02.9'	36°04.3'	68°18.9'	–	106°15.8'	105°19.6'	41°53.5'
18	32°28.0'	35°32.4'	67°43.0'	–	106°50.1'	105°53.6'	41°40.1'
19	31°53.0'	35°00.7'	67°07.1'	–	107°24.5'	106°27.6'	41°27.2'
20	31°18.0'	34°29.1'	66°31.1'	–	107°58.9'	107°01.6'	41°14.5'
21	30°43.1'	33°57.6'	65°55.2'	–	108°33.3'	107°35.7'	41°02.3'
22	30°08.2'	33°26.2'	65°19.2'	–	109°07.7'	108°09.7'	40°50.4'
23	29°33.3'	32°55.0'	64°43.3'	–	109°42.1'	108°43.7'	40°39.0'

Sun Nov 25, 2018 UTC

UTC	+Aldebaran Lunar Dist.	-Pollux Lunar Dist.	-Regulus Lunar Dist.	-Procyon Lunar Dist.	-Spica Lunar Dist.	+Mars Lunar Dist.	+Formalhaut Lunar Dist.
0	16°09.7'	28°58.4'	64°07.3'	32°23.9'	117°54.5'	110°16.5'	109°17.7'
1	16°45.6'	28°23.6'	63°31.3'	31°52.9'	117°18.8'	110°50.9'	109°51.8'
2	17°21.4'	27°48.8'	62°55.3'	31°22.1'	116°43.1'	111°25.4'	110°25.8'
3	17°57.3'	27°14.1'	62°19.3'	30°51.4'	116°07.4'	111°59.9'	110°59.8'
4	18°33.2'	26°39.3'	61°43.2'	30°20.9'	115°31.7'	112°34.3'	111°33.8'
5	19°09.2'	26°04.7'	61°07.2'	29°50.6'	114°56.0'	113°08.8'	112°07.8'
6	19°45.1'	25°30.1'	60°31.1'	29°20.5'	114°20.2'	113°43.3'	112°41.8'
7	20°21.1'	24°55.5'	59°55.1'	28°50.5'	113°44.5'	114°17.8'	113°15.8'
8	20°57.1'	24°21.0'	59°19.0'	28°20.8'	113°08.7'	114°52.3'	113°49.7'
9	21°33.1'	23°46.6'	58°42.9'	27°51.3'	112°32.9'	115°26.8'	114°23.7'
10	22°09.1'	23°12.2'	58°06.9'	27°22.1'	111°57.1'	116°01.4'	114°57.6'
11	22°45.1'	22°38.0'	57°30.8'	26°53.1'	111°21.3'	116°35.9'	115°31.6'
12	23°21.1'	22°03.8'	56°54.7'	26°24.3'	110°45.5'	117°10.4'	116°05.5'
13	23°57.2'	21°29.7'	56°18.6'	25°55.9'	110°09.7'	117°45.0'	116°39.4'
14	24°33.2'	20°55.7'	55°42.5'	25°27.7'	109°33.9'	118°19.5'	117°13.3'
15	25°09.3'	20°21.8'	55°06.4'	24°59.9'	108°58.0'	118°54.1'	117°47.2'
16	25°45.4'	19°48.0'	54°30.2'	24°32.4'	108°22.2'	119°28.6'	118°21.0'
17	26°21.5'	19°14.4'	53°54.1'	24°05.2'	107°46.3'	120°03.2'	118°54.8'
18	26°57.6'	18°40.9'	53°18.0'	23°38.4'	107°10.5'	120°37.8'	119°28.7'
19	27°33.7'	18°07.6'	52°41.9'	23°12.0'	106°34.6'	121°12.3'	120°02.4'
20	28°09.8'	17°34.5'	52°05.7'	22°46.1'	105°58.7'	121°46.9'	120°36.2'
21	28°45.9'	17°01.6'	51°29.6'	22°20.5'	105°22.8'	122°21.5'	121°09.9'
22	29°22.0'	16°28.8'	50°53.4'	21°55.5'	104°47.0'	122°56.1'	121°43.6'
23	29°58.2'	15°56.3'	50°17.3'	21°30.9'	104°11.1'	123°30.7'	122°17.3'

Mon Nov 26, 2018 UTC

UTC	+Aldebaran Lunar Dist.	-Regulus Lunar Dist.	-Pollux Lunar Dist.	-Spica Lunar Dist.	-Venus Lunar Dist.	+Betelgeuse Lunar Dist.	-Arcturus Lunar Dist.
0	30°34.3'	49°41.2'	15°24.1'	103°35.2'	106°32.9'	18°19.9'	102°51.2'
1	31°10.4'	49°05.0'	14°52.2'	102°59.3'	105°57.7'	18°44.5'	102°18.7'
2	31°46.6'	48°28.9'	14°20.6'	102°23.4'	105°22.5'	19°09.7'	101°46.2'
3	32°22.7'	47°52.7'	13°49.4'	101°47.5'	104°47.3'	19°35.4'	101°13.8'
4	32°58.8'	47°16.6'	13°18.6'	101°11.6'	104°12.2'	20°01.6'	100°41.3'
5	33°35.0'	46°40.4'	12°48.2'	100°35.7'	103°37.0'	20°28.4'	100°08.7'
6	34°11.1'	46°04.3'	12°18.4'	99°59.8'	103°01.8'	20°55.6'	99°36.2'
7	34°47.3'	45°28.1'	11°49.1'	99°23.9'	102°26.6'	21°23.2'	99°03.7'
8	35°23.4'	44°52.0'	11°20.5'	98°48.0'	101°51.5'	21°51.2'	98°31.1'
9	35°59.6'	44°15.9'	–	98°12.1'	101°16.3'	22°19.6'	97°58.6'
10	36°35.7'	43°39.7'	–	97°36.2'	100°41.1'	22°48.3'	97°26.0'
11	37°11.9'	43°03.6'	–	97°00.3'	100°06.0'	23°17.4'	96°53.4'
12	37°48.0'	42°27.5'	–	96°24.4'	99°30.8'	23°46.7'	96°20.9'
13	38°24.2'	41°51.4'	–	95°48.5'	98°55.7'	24°16.4'	95°48.3'
14	39°00.3'	41°15.2'	–	95°12.6'	98°20.5'	24°46.3'	95°15.7'
15	39°36.5'	40°39.1'	–	94°36.7'	97°45.4'	25°16.5'	94°43.1'
16	40°12.6'	40°03.0'	–	94°00.8'	97°10.3'	25°46.9'	94°10.5'
17	40°48.7'	39°26.9'	–	93°24.9'	96°35.1'	26°17.5'	93°37.9'
18	41°24.9'	38°50.8'	–	92°49.0'	96°00.0'	26°48.4'	93°05.3'
19	42°01.0'	38°14.7'	–	92°13.1'	95°24.9'	27°19.4'	92°32.7'
20	42°37.1'	37°38.6'	–	91°37.2'	94°49.8'	27°50.7'	92°00.1'
21	43°13.2'	37°02.6'	–	91°01.4'	94°14.7'	28°22.1'	91°27.5'
22	43°49.4'	36°26.5'	–	90°25.5'	93°39.6'	28°53.6'	90°54.9'
23	44°25.5'	35°50.4'	–	89°49.7'	93°04.5'	29°25.4'	90°22.3'

Tue Nov 27, 2018 UTC

UTC	−Regulus Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	−Spica Lunar Dist.	−Venus Lunar Dist.	−Arcturus Lunar Dist.	+Rigel Lunar Dist.
0	35°14.4'	45°01.6'	29°57.2'	89°13.8'	92°29.4'	89°49.7'	47°12.4'
1	34°38.3'	45°37.7'	30°29.2'	88°38.0'	91°54.4'	89°17.2'	47°40.4'
2	34°02.3'	46°13.8'	31°01.4'	88°02.1'	91°19.3'	88°44.6'	48°08.6'
3	33°26.3'	46°49.8'	31°33.7'	87°26.3'	90°44.3'	88°12.0'	48°36.9'
4	32°50.3'	47°25.9'	32°06.0'	86°50.5'	90°09.3'	87°39.5'	49°05.3'
5	32°14.3'	48°02.0'	32°38.5'	86°14.7'	89°34.2'	87°06.9'	49°33.8'
6	31°38.3'	48°38.0'	33°11.1'	85°38.9'	88°59.2'	86°34.4'	50°02.5'
7	31°02.3'	49°14.1'	33°43.8'	85°03.1'	88°24.2'	86°01.9'	50°31.2'
8	30°26.4'	49°50.1'	34°16.6'	84°27.3'	87°49.2'	85°29.4'	51°00.1'
9	29°50.4'	50°26.2'	34°49.5'	83°51.5'	87°14.3'	84°56.9'	51°29.0'
10	29°14.5'	51°02.2'	35°22.4'	83°15.7'	86°39.3'	84°24.4'	51°58.1'
11	28°38.5'	51°38.2'	35°55.4'	82°40.0'	86°04.3'	83°51.9'	52°27.2'
12	28°02.6'	52°14.2'	36°28.5'	82°04.2'	85°29.4'	83°19.5'	52°56.5'
13	27°26.7'	52°50.2'	37°01.7'	81°28.5'	84°54.5'	82°47.1'	53°25.8'
14	26°50.9'	53°26.2'	37°35.0'	80°52.8'	84°19.6'	82°14.6'	53°55.2'
15	26°15.0'	54°02.2'	38°08.3'	80°17.1'	83°44.7'	81°42.3'	54°24.8'
16	25°39.2'	54°38.2'	38°41.6'	79°41.4'	83°09.8'	81°09.9'	54°54.3'
17	25°03.3'	55°14.1'	39°15.0'	79°05.7'	82°34.9'	80°37.5'	55°24.0'
18	24°27.5'	55°50.1'	39°48.5'	78°30.0'	82°00.0'	80°05.2'	55°53.7'
19	23°51.8'	56°26.0'	40°22.0'	77°54.4'	81°25.2'	79°32.9'	56°23.5'
20	23°16.0'	57°01.9'	40°55.6'	77°18.7'	80°50.4'	79°00.6'	56°53.4'
21	22°40.2'	57°37.8'	41°29.2'	76°43.1'	80°15.6'	78°28.4'	57°23.3'
22	22°04.5'	58°13.7'	42°02.8'	76°07.5'	79°40.8'	77°56.1'	57°53.3'
23	21°28.8'	58°49.6'	42°36.5'	75°31.8'	79°06.0'	77°23.9'	58°23.4'

Wed Nov 28, 2018 UTC

UTC	−Sun Lunar Dist.	−Regulus Lunar Dist.	+Pollux Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	−Spica Lunar Dist.	−Venus Lunar Dist.
0	116°28.4'	20°53.1'	16°41.3'	59°25.5'	43°10.2'	74°56.3'	78°31.2'
1	115°55.2'	20°17.5'	17°13.8'	60°01.3'	43°44.0'	74°20.7'	77°56.5'
2	115°21.9'	19°41.9'	17°46.5'	60°37.2'	44°17.7'	73°45.1'	77°21.7'
3	114°48.7'	19°06.3'	18°19.4'	61°13.0'	44°51.6'	73°09.6'	76°47.0'
4	114°15.5'	18°30.7'	18°52.5'	61°48.8'	45°25.4'	72°34.0'	76°12.3'
5	113°42.3'	17°55.2'	19°25.7'	62°24.6'	45°59.3'	71°58.5'	75°37.6'
6	113°09.2'	17°19.6'	19°59.0'	63°00.4'	46°33.2'	71°23.0'	75°03.0'
7	112°36.0'	16°44.2'	20°32.5'	63°36.2'	47°07.1'	70°47.6'	74°28.3'
8	112°02.9'	16°08.8'	21°06.1'	64°12.0'	47°41.0'	70°12.1'	73°53.7'
9	111°29.7'	15°33.4'	21°39.7'	64°47.7'	48°15.0'	69°36.6'	73°19.1'
10	110°56.6'	14°58.0'	22°13.5'	65°23.4'	48°49.0'	69°01.2'	72°44.5'
11	110°23.5'	14°22.7'	22°47.3'	65°59.2'	49°22.9'	68°25.8'	72°09.9'
12	109°50.4'	13°47.5'	23°21.2'	66°34.9'	49°57.0'	67°50.4'	71°35.3'
13	109°17.3'	13°12.3'	23°55.2'	67°10.6'	50°31.0'	67°15.0'	71°00.8'
14	108°44.3'	12°37.1'	24°29.3'	67°46.2'	51°05.0'	66°39.7'	70°26.3'
15	108°11.2'	12°02.1'	25°03.4'	68°21.9'	51°39.1'	66°04.3'	69°51.8'
16	107°38.2'	11°27.1'	25°37.5'	68°57.5'	52°13.1'	65°29.0'	69°17.3'
17	107°05.2'	10°52.2'	26°11.7'	69°33.1'	52°47.2'	64°53.7'	68°42.8'
18	106°32.2'	10°17.4'	26°45.9'	70°08.8'	53°21.3'	64°18.4'	68°08.4'
19	105°59.2'	9°42.7'	27°20.2'	70°44.3'	53°55.3'	63°43.2'	67°34.0'
20	105°26.3'	9°08.2'	27°54.5'	71°19.9'	54°29.4'	63°07.9'	66°59.6'
21	104°53.3'	8°33.8'	28°28.9'	71°55.5'	55°03.5'	62°32.7'	66°25.2'
22	104°20.4'	7°59.6'	29°03.3'	72°31.0'	55°37.6'	61°57.5'	65°50.8'
23	103°47.5'	7°25.7'	29°37.7'	73°06.5'	56°11.7'	61°22.3'	65°16.5'

Thu Nov 29, 2018 UTC

UTC	−Sun Lunar Dist.	−Regulus Lunar Dist.	+Pollux Lunar Dist.	−Spica Lunar Dist.	+Betelgeuse Lunar Dist.	+Aldebaran Lunar Dist.	−Venus Lunar Dist.
0	103°14.5′	6°52.0′	30°12.1′	60°47.2′	56°45.8′	73°42.0′	64°42.1′
1	102°41.7′	6°18.6′	30°46.5′	60°12.0′	57°19.9′	74°17.5′	64°07.8′
2	102°08.8′	5°45.7′	31°21.0′	59°36.9′	57°54.0′	74°53.0′	63°33.6′
3	101°35.9′	5°13.4′	31°55.5′	59°01.8′	58°28.2′	75°28.5′	62°59.3′
4	101°03.1′	–	32°30.0′	58°26.8′	59°02.3′	76°03.9′	62°25.1′
5	100°30.3′	–	33°04.5′	57°51.7′	59°36.4′	76°39.3′	61°50.8′
6	99°57.5′	–	33°39.0′	57°16.7′	60°10.5′	77°14.7′	61°16.6′
7	99°24.7′	–	34°13.5′	56°41.7′	60°44.6′	77°50.1′	60°42.5′
8	98°51.9′	–	34°48.1′	56°06.7′	61°18.7′	78°25.5′	60°08.3′
9	98°19.2′	–	35°22.6′	55°31.7′	61°52.8′	79°00.8′	59°34.2′
10	97°46.5′	–	35°57.2′	54°56.8′	62°26.9′	79°36.2′	59°00.1′
11	97°13.8′	–	36°31.7′	54°21.9′	63°01.0′	80°11.5′	58°26.0′
12	96°41.1′	–	37°06.3′	53°47.0′	63°35.1′	80°46.8′	57°51.9′
13	96°08.4′	–	37°40.8′	53°12.1′	64°09.1′	81°22.0′	57°17.9′
14	95°35.7′	–	38°15.4′	52°37.3′	64°43.2′	81°57.3′	56°43.8′
15	95°03.1′	–	38°50.0′	52°02.5′	65°17.3′	82°32.5′	56°09.8′
16	94°30.5′	–	39°24.5′	51°27.7′	65°51.3′	83°07.8′	55°35.9′
17	93°57.9′	–	39°59.1′	50°53.0′	66°25.4′	83°43.0′	55°01.9′
18	93°25.3′	–	40°33.6′	50°18.2′	66°59.4′	84°18.1′	54°28.0′
19	92°52.7′	5°13.2′	41°08.2′	49°43.5′	67°33.5′	84°53.3′	53°54.1′
20	92°20.2′	5°45.2′	41°42.7′	49°08.8′	68°07.5′	85°28.5′	53°20.2′
21	91°47.7′	6°17.8′	42°17.3′	48°34.2′	68°41.5′	86°03.6′	52°46.3′
22	91°15.1′	6°50.8′	42°51.8′	47°59.6′	69°15.5′	86°38.7′	52°12.5′
23	90°42.7′	7°24.0′	43°26.3′	47°25.0′	69°49.5′	87°13.8′	51°38.7′

Fri Nov 30, 2018 UTC

UTC	−Sun Lunar Dist.	+Regulus Lunar Dist.	+Pollux Lunar Dist.	−Spica Lunar Dist.	−Venus Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.
0	90°10.2′	7°57.6′	44°00.8′	46°50.4′	51°04.9′	45°19.9′	70°23.5′
1	89°37.7′	8°31.3′	44°35.4′	46°15.9′	50°31.1′	45°52.3′	70°57.5′
2	89°05.3′	9°05.1′	45°09.9′	45°41.3′	49°57.3′	46°24.8′	71°31.5′
3	88°32.9′	9°39.1′	45°44.4′	45°06.9′	49°23.6′	46°57.3′	72°05.4′
4	88°00.5′	10°13.2′	46°18.9′	44°32.4′	48°49.9′	47°29.8′	72°39.3′
5	87°28.1′	10°47.4′	46°53.3′	43°58.0′	48°16.2′	48°02.3′	73°13.3′
6	86°55.8′	11°21.6′	47°27.8′	43°23.6′	47°42.6′	48°34.9′	73°47.2′
7	86°23.4′	11°55.8′	48°02.3′	42°49.2′	47°08.9′	49°07.5′	74°21.1′
8	85°51.1′	12°30.2′	48°36.7′	42°14.9′	46°35.3′	49°40.1′	74°55.0′
9	85°18.8′	13°04.5′	49°11.2′	41°40.6′	46°01.8′	50°12.8′	75°28.9′
10	84°46.5′	13°38.9′	49°45.6′	41°06.4′	45°28.2′	50°45.4′	76°02.7′
11	84°14.3′	14°13.3′	50°20.0′	40°32.1′	44°54.7′	51°18.1′	76°36.6′
12	83°42.0′	14°47.7′	50°54.4′	39°58.0′	44°21.2′	51°50.8′	77°10.4′
13	83°09.8′	15°22.1′	51°28.8′	39°23.8′	43°47.7′	52°23.5′	77°44.2′
14	82°37.6′	15°56.6′	52°03.2′	38°49.7′	43°14.2′	52°56.2′	78°18.1′
15	82°05.4′	16°31.0′	52°37.6′	38°15.6′	42°40.8′	53°28.9′	78°51.8′
16	81°33.3′	17°05.5′	53°11.9′	37°41.6′	42°07.4′	54°01.6′	79°25.6′
17	81°01.1′	17°39.9′	53°46.2′	37°07.5′	41°34.0′	54°34.4′	79°59.4′
18	80°29.0′	18°14.3′	54°20.6′	36°33.6′	41°00.6′	55°07.1′	80°33.1′
19	79°56.9′	18°48.8′	54°54.9′	35°59.7′	40°27.3′	55°39.9′	81°06.9′
20	79°24.8′	19°23.2′	55°29.2′	35°25.8′	39°54.0′	56°12.7′	81°40.6′
21	78°52.8′	19°57.7′	56°03.5′	34°51.9′	39°20.7′	56°45.4′	82°14.3′
22	78°20.7′	20°32.1′	56°37.7′	34°18.1′	38°47.5′	57°18.2′	82°48.0′
23	77°48.7′	21°06.5′	57°12.0′	33°44.4′	38°14.2′	57°51.0′	83°21.6′