

Fri Dec 1, 2017 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	−Pollux Lunar Dist.	+Formalhaut Lunar Dist.	−Procyon Lunar Dist.	−Capella Lunar Dist.	−Regulus Lunar Dist.
0	37°52.2'	56°58.0'	82°06.5'	58°22.7'	82°55.4'	56°13.0'	117°59.6'
1	37°16.2'	56°23.2'	81°31.0'	58°55.8'	82°20.5'	55°42.9'	117°23.6'
2	36°40.2'	55°48.4'	80°55.4'	59°28.9'	81°45.6'	55°12.8'	116°47.6'
3	36°04.2'	55°13.5'	80°19.8'	60°02.2'	81°10.7'	54°42.8'	116°11.6'
4	35°28.1'	54°38.7'	79°44.1'	60°35.5'	80°35.7'	54°12.9'	115°35.5'
5	34°51.9'	54°03.7'	79°08.4'	61°08.8'	80°00.7'	53°42.9'	114°59.3'
6	34°15.7'	53°28.8'	78°32.6'	61°42.3'	79°25.6'	53°13.1'	114°23.1'
7	33°39.5'	52°53.9'	77°56.8'	62°15.8'	78°50.5'	52°43.3'	113°46.9'
8	33°03.2'	52°18.9'	77°21.0'	62°49.4'	78°15.3'	52°13.5'	113°10.6'
9	32°26.9'	51°43.9'	76°45.1'	63°23.0'	77°40.1'	51°43.8'	112°34.3'
10	31°50.5'	51°08.9'	76°09.2'	63°56.8'	77°04.9'	51°14.2'	111°57.9'
11	31°14.1'	50°33.8'	75°33.2'	64°30.5'	76°29.7'	50°44.6'	111°21.5'
12	30°37.7'	49°58.8'	74°57.2'	65°04.4'	75°54.4'	50°15.1'	110°45.0'
13	30°01.2'	49°23.7'	74°21.1'	65°38.3'	75°19.0'	49°45.7'	110°08.5'
14	29°24.7'	48°48.6'	73°45.0'	66°12.3'	74°43.7'	49°16.4'	109°32.0'
15	28°48.1'	48°13.5'	73°08.9'	66°46.4'	74°08.3'	48°47.1'	108°55.4'
16	28°11.5'	47°38.4'	72°32.7'	67°20.5'	73°32.8'	48°18.0'	108°18.8'
17	27°34.8'	47°03.3'	71°56.5'	67°54.7'	72°57.4'	47°48.9'	107°42.1'
18	26°58.1'	46°28.1'	71°20.3'	68°28.9'	72°21.9'	47°20.0'	107°05.4'
19	26°21.3'	45°53.0'	70°44.0'	69°03.2'	71°46.3'	46°51.1'	106°28.6'
20	25°44.6'	45°17.8'	70°07.7'	69°37.5'	71°10.8'	46°22.4'	105°51.8'
21	25°07.7'	44°42.7'	69°31.3'	70°11.9'	70°35.2'	45°53.7'	105°15.0'
22	24°30.9'	44°07.5'	68°54.9'	70°46.4'	69°59.5'	45°25.2'	104°38.1'
23	23°54.0'	43°32.4'	68°18.5'	71°20.9'	69°23.9'	44°56.8'	104°01.2'

Sat Dec 2, 2017 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	+Formalhaut Lunar Dist.	−Regulus Lunar Dist.	−Capella Lunar Dist.
0	23°17.0'	42°57.2'	67°42.0'	68°48.2'	71°55.5'	103°24.2'	44°28.6'
1	22°40.1'	42°22.1'	67°05.5'	68°12.5'	72°30.1'	102°47.2'	44°00.5'
2	22°03.0'	41°46.9'	66°29.0'	67°36.8'	73°04.8'	102°10.2'	43°32.5'
3	21°26.0'	41°11.8'	65°52.4'	67°01.0'	73°39.5'	101°33.1'	43°04.7'
4	20°48.9'	40°36.7'	65°15.8'	66°25.2'	74°14.3'	100°56.0'	42°37.1'
5	20°11.8'	40°01.6'	64°39.2'	65°49.4'	74°49.1'	100°18.8'	42°09.6'
6	19°34.7'	39°26.5'	64°02.6'	65°13.6'	75°24.0'	99°41.7'	41°42.3'
7	18°57.5'	38°51.4'	63°25.9'	64°37.8'	75°58.9'	99°04.4'	41°15.2'
8	18°20.2'	38°16.4'	62°49.2'	64°01.9'	76°33.8'	98°27.2'	40°48.3'
9	17°43.0'	37°41.4'	62°12.4'	63°26.0'	77°08.8'	97°49.9'	40°21.6'
10	17°05.7'	37°06.4'	61°35.7'	62°50.1'	77°43.9'	97°12.6'	39°55.1'
11	16°28.4'	36°31.4'	60°58.9'	62°14.2'	78°19.0'	96°35.2'	39°28.8'
12	15°51.1'	35°56.5'	60°22.0'	61°38.3'	78°54.1'	95°57.9'	39°02.7'
13	15°13.7'	35°21.7'	59°45.2'	61°02.4'	79°29.3'	95°20.4'	38°36.9'
14	14°36.3'	34°46.9'	59°08.3'	60°26.4'	80°04.5'	94°43.0'	38°11.3'
15	13°58.9'	34°12.1'	58°31.5'	59°50.4'	80°39.7'	94°05.5'	37°46.0'
16	13°21.5'	33°37.4'	57°54.5'	59°14.5'	81°15.0'	93°28.0'	37°20.9'
17	12°44.0'	33°02.8'	57°17.6'	58°38.5'	81°50.3'	92°50.5'	36°56.2'
18	12°06.5'	32°28.2'	56°40.7'	58°02.5'	82°25.6'	92°12.9'	36°31.7'
19	11°29.0'	31°53.7'	56°03.7'	57°26.5'	83°01.0'	91°35.3'	36°07.5'
20	10°51.5'	31°19.3'	55°26.7'	56°50.5'	83°36.4'	90°57.7'	35°43.7'
21	10°13.9'	30°45.0'	54°49.7'	56°14.5'	84°11.9'	90°20.1'	35°20.1'
22	9°36.4'	30°10.7'	54°12.7'	55°38.5'	84°47.3'	89°42.4'	34°57.0'
23	8°58.8'	29°36.6'	53°35.7'	55°02.5'	85°22.8'	89°04.7'	34°34.1'

Sun Dec 3, 2017 UTC

UTC	−Aldebaran Lunar Dist.	−Pollux Lunar Dist.	−Betelgeuse Lunar Dist.	−Procyon Lunar Dist.	−Regulus Lunar Dist.	+Formalhaut Lunar Dist.	+Altair Lunar Dist.
0	8°21.3'	52°58.6'	29°02.6'	54°26.5'	88°27.0'	85°58.3'	118°08.3'
1	7°43.7'	52°21.6'	28°28.7'	53°50.5'	87°49.2'	86°33.9'	118°40.3'
2	7°06.2'	51°44.5'	27°54.9'	53°14.5'	87°11.5'	87°09.5'	119°12.2'
3	6°28.7'	51°07.4'	27°21.3'	52°38.6'	86°33.7'	87°45.1'	119°44.1'
4	5°51.2'	50°30.3'	26°47.8'	52°02.6'	85°55.9'	88°20.7'	120°15.9'
5	5°13.7'	49°53.2'	26°14.5'	51°26.6'	85°18.0'	88°56.3'	120°47.7'
6	4°36.4'	49°16.1'	25°41.4'	50°50.7'	84°40.2'	89°32.0'	121°19.4'
7	3°59.2'	48°39.0'	25°08.5'	50°14.7'	84°02.3'	90°07.7'	121°51.1'
8	3°22.2'	48°01.9'	24°35.7'	49°38.8'	83°24.4'	90°43.4'	122°22.7'
9	2°45.7'	47°24.8'	24°03.2'	49°02.9'	82°46.5'	91°19.1'	122°54.2'
10	–	46°47.7'	23°30.9'	48°27.1'	82°08.6'	91°54.8'	123°25.7'
11	–	46°10.6'	22°58.9'	47°51.2'	81°30.6'	92°30.6'	123°57.1'
12	–	45°33.5'	22°27.2'	47°15.4'	80°52.7'	93°06.3'	124°28.4'
13	–	44°56.4'	21°55.7'	46°39.6'	80°14.7'	93°42.1'	124°59.7'
14	–	44°19.3'	21°24.6'	46°03.8'	79°36.7'	94°17.9'	125°30.8'
15	–	43°42.2'	20°53.9'	45°28.1'	78°58.7'	94°53.6'	126°01.9'
16	–	43°05.1'	20°23.5'	44°52.4'	78°20.7'	95°29.4'	126°32.8'
17	–	42°28.0'	19°53.5'	44°16.8'	77°42.7'	96°05.3'	127°03.7'
18	3°09.7'	41°50.9'	19°24.0'	43°41.2'	77°04.6'	96°41.1'	127°34.5'
19	3°46.7'	41°13.9'	18°54.9'	43°05.6'	76°26.6'	97°16.9'	128°05.2'
20	4°24.0'	40°36.9'	18°26.4'	42°30.1'	75°48.5'	97°52.7'	128°35.7'
21	5°01.5'	39°59.8'	17°58.4'	41°54.6'	75°10.4'	98°28.5'	129°06.2'
22	5°39.2'	39°22.9'	17°31.0'	41°19.2'	74°32.4'	99°04.3'	129°36.5'
23	6°16.9'	38°45.9'	17°04.3'	40°43.9'	73°54.3'	99°40.2'	130°06.7'

Mon Dec 4, 2017 UTC

UTC	+Aldebaran Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Regulus Lunar Dist.	+Formalhaut Lunar Dist.	−Betelgeuse Lunar Dist.	−Sirius Lunar Dist.
0	6°54.7'	38°08.9'	40°08.6'	73°16.2'	100°16.0'	16°38.3'	43°03.7'
1	7°32.6'	37°32.0'	39°33.3'	72°38.1'	100°51.8'	–	42°45.5'
2	8°10.5'	36°55.1'	38°58.2'	71°60.0'	101°27.6'	–	42°27.7'
3	8°48.4'	36°18.2'	38°23.1'	71°21.9'	102°03.4'	–	42°10.2'
4	9°26.4'	35°41.4'	37°48.1'	70°43.8'	102°39.2'	–	41°53.1'
5	10°04.4'	35°04.6'	37°13.2'	70°05.7'	103°15.0'	–	41°36.4'
6	10°42.4'	34°27.9'	36°38.4'	69°27.6'	103°50.8'	–	41°20.0'
7	11°20.4'	33°51.1'	36°03.7'	68°49.4'	104°26.5'	–	41°04.1'
8	11°58.4'	33°14.5'	35°29.0'	68°11.3'	105°02.3'	–	40°48.5'
9	12°36.4'	32°37.9'	34°54.5'	67°33.2'	105°38.0'	–	40°33.4'
10	13°14.5'	32°01.3'	34°20.1'	66°55.1'	106°13.8'	–	40°18.7'
11	13°52.5'	31°24.8'	33°45.8'	66°17.0'	106°49.5'	–	40°04.4'
12	14°30.6'	30°48.3'	33°11.6'	65°38.9'	107°25.2'	–	39°50.5'
13	15°08.6'	30°12.0'	32°37.6'	65°00.8'	108°00.8'	–	39°37.1'
14	15°46.7'	29°35.6'	32°03.7'	64°22.7'	108°36.5'	–	39°24.1'
15	16°24.7'	28°59.4'	31°30.0'	63°44.6'	109°12.1'	–	39°11.6'
16	17°02.8'	28°23.3'	30°56.4'	63°06.5'	109°47.7'	–	38°59.6'
17	17°40.8'	27°47.2'	30°22.9'	62°28.4'	110°23.3'	–	38°48.0'
18	18°18.9'	27°11.2'	29°49.7'	61°50.3'	110°58.9'	–	38°36.9'
19	18°56.9'	26°35.3'	29°16.6'	61°12.2'	111°34.4'	–	38°26.3'
20	19°34.9'	25°59.5'	28°43.8'	60°34.2'	112°09.9'	–	38°16.2'
21	20°13.0'	25°23.9'	28°11.1'	59°56.1'	112°45.4'	–	38°06.6'
22	20°51.0'	24°48.3'	27°38.7'	59°18.1'	113°20.8'	–	37°57.5'
23	21°29.0'	24°12.9'	27°06.4'	58°40.1'	113°56.2'	–	37°48.9'

Tue Dec 5, 2017 UTC

UTC	+Aldebaran Lunar Dist.	-Pollux Lunar Dist.	-Regulus Lunar Dist.	-Procyon Lunar Dist.	-Spica Lunar Dist.	-Mars Lunar Dist.	+Formalhaut Lunar Dist.
0	22°07.0'	23°37.6'	58°02.0'	26°34.5'	111°44.3'	115°07.1'	114°31.5'
1	22°45.0'	23°02.5'	57°24.0'	26°02.8'	111°06.6'	114°30.7'	115°06.9'
2	23°22.9'	22°27.5'	56°46.0'	25°31.3'	110°28.9'	113°54.4'	115°42.2'
3	24°00.9'	21°52.7'	56°08.1'	25°00.2'	109°51.2'	113°18.1'	116°17.4'
4	24°38.8'	21°18.0'	55°30.1'	24°29.4'	109°13.5'	112°41.8'	116°52.6'
5	25°16.8'	20°43.6'	54°52.2'	23°58.9'	108°35.9'	112°05.5'	117°27.8'
6	25°54.7'	20°09.4'	54°14.2'	23°28.8'	107°58.2'	111°29.2'	118°02.9'
7	26°32.6'	19°35.4'	53°36.3'	22°59.0'	107°20.6'	110°52.9'	118°37.9'
8	27°10.5'	19°01.7'	52°58.4'	22°29.7'	106°43.0'	110°16.7'	119°13.0'
9	27°48.3'	18°28.3'	52°20.5'	22°00.8'	106°05.4'	109°40.5'	119°47.9'
10	28°26.2'	17°55.1'	51°42.7'	21°32.3'	105°27.8'	109°04.3'	120°22.8'
11	29°04.0'	17°22.3'	51°04.8'	21°04.3'	104°50.2'	108°28.1'	120°57.7'
12	29°41.8'	16°49.9'	50°27.0'	20°36.8'	104°12.7'	107°51.9'	121°32.5'
13	30°19.6'	16°17.8'	49°49.2'	20°09.9'	103°35.1'	107°15.8'	122°07.2'
14	30°57.4'	15°46.2'	49°11.4'	19°43.5'	102°57.6'	106°39.6'	122°41.9'
15	31°35.1'	15°15.0'	48°33.7'	19°17.8'	102°20.1'	106°03.5'	123°16.5'
16	32°12.9'	14°44.4'	47°55.9'	18°52.8'	101°42.7'	105°27.5'	123°51.1'
17	32°50.6'	14°14.3'	47°18.2'	18°28.4'	101°05.2'	104°51.4'	124°25.6'
18	33°28.2'	13°44.9'	46°40.6'	—	100°27.8'	104°15.4'	124°60.0'
19	34°05.9'	13°16.1'	46°02.9'	—	99°50.4'	103°39.4'	125°34.3'
20	34°43.5'	—	45°25.3'	—	99°13.0'	103°03.4'	126°08.6'
21	35°21.1'	—	44°47.6'	—	98°35.7'	102°27.4'	126°42.8'
22	35°58.7'	—	44°10.1'	—	97°58.4'	101°51.5'	127°17.0'
23	36°36.3'	—	43°32.5'	—	97°21.1'	101°15.6'	127°51.0'

Wed Dec 6, 2017 UTC

UTC	+Aldebaran Lunar Dist.	-Regulus Lunar Dist.	+Betelgeuse Lunar Dist.	-Spica Lunar Dist.	-Mars Lunar Dist.	-Jupiter Lunar Dist.	-Arcturus Lunar Dist.
0	37°13.8'	42°55.0'	22°28.3'	96°43.8'	100°39.7'	114°51.1'	97°29.7'
1	37°51.3'	42°17.5'	22°59.6'	96°06.6'	100°03.8'	114°14.2'	96°56.1'
2	38°28.7'	41°40.0'	23°31.3'	95°29.3'	99°28.0'	113°37.4'	96°22.5'
3	39°06.2'	41°02.6'	24°03.1'	94°52.2'	98°52.2'	113°00.5'	95°48.9'
4	39°43.6'	40°25.2'	24°35.2'	94°15.0'	98°16.4'	112°23.7'	95°15.3'
5	40°21.0'	39°47.8'	25°07.5'	93°37.9'	97°40.7'	111°47.0'	94°41.7'
6	40°58.3'	39°10.4'	25°40.0'	93°00.8'	97°05.0'	111°10.2'	94°08.2'
7	41°35.6'	38°33.1'	26°12.6'	92°23.7'	96°29.3'	110°33.5'	93°34.6'
8	42°12.9'	37°55.8'	26°45.5'	91°46.7'	95°53.7'	109°56.8'	93°01.1'
9	42°50.2'	37°18.6'	27°18.4'	91°09.7'	95°18.1'	109°20.2'	92°27.7'
10	43°27.4'	36°41.4'	27°51.5'	90°32.7'	94°42.5'	108°43.5'	91°54.2'
11	44°04.6'	36°04.2'	28°24.8'	89°55.8'	94°07.0'	108°07.0'	91°20.8'
12	44°41.7'	35°27.0'	28°58.1'	89°18.9'	93°31.5'	107°30.4'	90°47.4'
13	45°18.8'	34°49.9'	29°31.6'	88°42.0'	92°56.0'	106°53.9'	90°14.0'
14	45°55.9'	34°12.8'	30°05.1'	88°05.2'	92°20.5'	106°17.4'	89°40.7'
15	46°33.0'	33°35.8'	30°38.8'	87°28.4'	91°45.1'	105°40.9'	89°07.4'
16	47°10.0'	32°58.8'	31°12.5'	86°51.6'	91°09.8'	105°04.5'	88°34.1'
17	47°46.9'	32°21.8'	31°46.3'	86°14.9'	90°34.4'	104°28.1'	88°00.9'
18	48°23.9'	31°44.9'	32°20.2'	85°38.2'	89°59.1'	103°51.8'	87°27.7'
19	49°00.8'	31°08.0'	32°54.1'	85°01.5'	89°23.9'	103°15.5'	86°54.5'
20	49°37.7'	30°31.1'	33°28.1'	84°24.9'	88°48.7'	102°39.2'	86°21.4'
21	50°14.5'	29°54.3'	34°02.2'	83°48.4'	88°13.5'	102°03.0'	85°48.3'
22	50°51.3'	29°17.5'	34°36.3'	83°11.8'	87°38.3'	101°26.8'	85°15.3'
23	51°28.0'	28°40.8'	35°10.4'	82°35.3'	87°03.2'	100°50.6'	84°42.3'

Thu Dec 7, 2017 UTC

UTC	−Regulus Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	−Spica Lunar Dist.	−Mars Lunar Dist.	−Jupiter Lunar Dist.	+Rigel Lunar Dist.
0	28°04.1'	52°04.7'	35°44.6'	81°58.9'	86°28.2'	100°14.5'	51°53.5'
1	27°27.4'	52°41.4'	36°18.8'	81°22.4'	85°53.1'	99°38.4'	52°23.6'
2	26°50.8'	53°18.0'	36°53.1'	80°46.1'	85°18.1'	99°02.4'	52°53.8'
3	26°14.2'	53°54.6'	37°27.3'	80°09.7'	84°43.2'	98°26.3'	53°24.1'
4	25°37.6'	54°31.2'	38°01.6'	79°33.4'	84°08.3'	97°50.4'	53°54.5'
5	25°01.1'	55°07.7'	38°36.0'	78°57.2'	83°33.4'	97°14.5'	54°24.9'
6	24°24.7'	55°44.2'	39°10.3'	78°20.9'	82°58.6'	96°38.6'	54°55.3'
7	23°48.2'	56°20.6'	39°44.7'	77°44.8'	82°23.8'	96°02.7'	55°25.8'
8	23°11.9'	56°57.0'	40°19.0'	77°08.6'	81°49.1'	95°26.9'	55°56.4'
9	22°35.5'	57°33.4'	40°53.4'	76°32.5'	81°14.4'	94°51.2'	56°27.0'
10	21°59.2'	58°09.7'	41°27.8'	75°56.5'	80°39.7'	94°15.4'	56°57.6'
11	21°23.0'	58°45.9'	42°02.2'	75°20.5'	80°05.1'	93°39.7'	57°28.3'
12	20°46.8'	59°22.2'	42°36.6'	74°44.5'	79°30.5'	93°04.1'	57°58.9'
13	20°10.6'	59°58.3'	43°11.0'	74°08.6'	78°56.0'	92°28.5'	58°29.7'
14	19°34.5'	60°34.5'	43°45.3'	73°32.8'	78°21.5'	91°53.0'	59°00.4'
15	18°58.4'	61°10.6'	44°19.7'	72°56.9'	77°47.0'	91°17.5'	59°31.2'
16	18°22.4'	61°46.6'	44°54.1'	72°21.1'	77°12.6'	90°42.0'	60°02.0'
17	17°46.4'	62°22.6'	45°28.5'	71°45.4'	76°38.3'	90°06.6'	60°32.8'
18	17°10.5'	62°58.6'	46°02.9'	71°09.7'	76°04.0'	89°31.2'	61°03.7'
19	16°34.6'	63°34.5'	46°37.2'	70°34.1'	75°29.7'	88°55.8'	61°34.5'
20	15°58.7'	64°10.4'	47°11.5'	69°58.5'	74°55.5'	88°20.5'	62°05.4'
21	15°22.9'	64°46.2'	47°45.9'	69°22.9'	74°21.3'	87°45.3'	62°36.3'
22	14°47.2'	65°22.0'	48°20.2'	68°47.4'	73°47.1'	87°10.1'	63°07.2'
23	14°11.4'	65°57.8'	48°54.5'	68°11.9'	73°13.0'	86°34.9'	63°38.1'

Fri Dec 8, 2017 UTC

UTC	−Sun Lunar Dist.	−Regulus Lunar Dist.	+Pollux Lunar Dist.	+Betelgeuse Lunar Dist.	+Aldebaran Lunar Dist.	−Spica Lunar Dist.	+Procyon Lunar Dist.
0	119°35.2'	13°35.8'	23°56.0'	49°28.8'	66°33.5'	67°36.5'	25°44.8'
1	119°02.2'	13°00.2'	24°29.2'	50°03.0'	67°09.1'	67°01.1'	26°14.4'
2	118°29.3'	12°24.6'	25°02.4'	50°37.3'	67°44.7'	66°25.8'	26°44.1'
3	117°56.4'	11°49.1'	25°35.7'	51°11.5'	68°20.3'	65°50.5'	27°14.1'
4	117°23.5'	11°13.6'	26°09.0'	51°45.7'	68°55.8'	65°15.3'	27°44.2'
5	116°50.7'	10°38.2'	26°42.4'	52°19.9'	69°31.3'	64°40.1'	28°14.5'
6	116°18.0'	10°02.9'	27°15.8'	52°54.0'	70°06.7'	64°05.0'	28°44.9'
7	115°45.2'	9°27.6'	27°49.3'	53°28.2'	70°42.1'	63°29.9'	29°15.5'
8	115°12.6'	8°52.3'	28°22.7'	54°02.3'	71°17.5'	62°54.9'	29°46.2'
9	114°39.9'	8°17.2'	28°56.3'	54°36.4'	71°52.8'	62°19.9'	30°17.0'
10	114°07.3'	7°42.0'	29°29.8'	55°10.4'	72°28.0'	61°45.0'	30°47.9'
11	113°34.8'	7°07.0'	30°03.3'	55°44.4'	73°03.2'	61°10.1'	31°18.9'
12	113°02.3'	6°32.0'	30°36.9'	56°18.4'	73°38.4'	60°35.2'	31°50.0'
13	112°29.8'	5°57.1'	31°10.4'	56°52.4'	74°13.5'	60°00.4'	32°21.2'
14	111°57.4'	5°22.3'	31°44.0'	57°26.4'	74°48.6'	59°25.7'	32°52.4'
15	111°25.1'	4°47.6'	32°17.6'	58°00.3'	75°23.6'	58°51.0'	33°23.8'
16	110°52.7'	4°13.1'	32°51.2'	58°34.2'	75°58.6'	58°16.3'	33°55.2'
17	110°20.5'	3°38.7'	33°24.7'	59°08.0'	76°33.5'	57°41.7'	34°26.6'
18	109°48.2'	3°04.6'	33°58.3'	59°41.8'	77°08.4'	57°07.2'	34°58.1'
19	109°16.0'	2°30.8'	34°31.9'	60°15.6'	77°43.2'	56°32.7'	35°29.7'
20	108°43.9'	−	35°05.4'	60°49.4'	78°18.0'	55°58.2'	36°01.3'
21	108°11.8'	−	35°39.0'	61°23.1'	78°52.8'	55°23.8'	36°33.0'
22	107°39.7'	−	36°12.5'	61°56.8'	79°27.5'	54°49.5'	37°04.6'
23	107°07.7'	−	36°46.1'	62°30.5'	80°02.2'	54°15.2'	37°36.4'

Sat Dec 9, 2017 UTC

UTC	−Sun Lunar Dist.	+Pollux Lunar Dist.	−Spica Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	−Mars Lunar Dist.	−Jupiter Lunar Dist.
0	106°35.7'	37°19.6'	53°40.9'	38°08.1'	63°04.1'	59°15.6'	72°10.6'
1	106°03.8'	37°53.1'	53°06.7'	38°39.9'	63°37.7'	58°42.7'	71°36.6'
2	105°31.9'	38°26.6'	52°32.6'	39°11.7'	64°11.2'	58°09.8'	71°02.6'
3	105°00.1'	39°00.0'	51°58.5'	39°43.6'	64°44.8'	57°37.0'	70°28.7'
4	104°28.3'	39°33.5'	51°24.4'	40°15.4'	65°18.2'	57°04.3'	69°54.9'
5	103°56.5'	40°06.9'	50°50.4'	40°47.3'	65°51.7'	56°31.5'	69°21.1'
6	103°24.8'	40°40.3'	50°16.5'	41°19.2'	66°25.1'	55°58.9'	68°47.3'
7	102°53.2'	41°13.7'	49°42.6'	41°51.0'	66°58.5'	55°26.3'	68°13.6'
8	102°21.6'	41°47.0'	49°08.7'	42°23.0'	67°31.8'	54°53.7'	67°40.0'
9	101°50.0'	42°20.4'	48°34.9'	42°54.9'	68°05.2'	54°21.2'	67°06.3'
10	101°18.5'	42°53.7'	48°01.2'	43°26.8'	68°38.4'	53°48.7'	66°32.8'
11	100°47.0'	43°27.0'	47°27.5'	43°58.7'	69°11.7'	53°16.2'	65°59.2'
12	100°15.5'	44°00.2'	46°53.8'	44°30.6'	69°44.9'	52°43.8'	65°25.7'
13	99°44.1'	44°33.5'	46°20.2'	45°02.6'	70°18.0'	52°11.5'	64°52.3'
14	99°12.8'	45°06.7'	45°46.7'	45°34.5'	70°51.2'	51°39.2'	64°18.9'
15	98°41.5'	45°39.9'	45°13.2'	46°06.4'	71°24.3'	51°06.9'	63°45.6'
16	98°10.2'	46°13.0'	44°39.8'	46°38.3'	71°57.3'	50°34.7'	63°12.2'
17	97°39.0'	46°46.1'	44°06.4'	47°10.2'	72°30.4'	50°02.6'	62°39.0'
18	97°07.8'	47°19.2'	43°33.1'	47°42.1'	73°03.3'	49°30.4'	62°05.8'
19	96°36.6'	47°52.3'	42°59.8'	48°14.0'	73°36.3'	48°58.4'	61°32.6'
20	96°05.5'	48°25.3'	42°26.6'	48°45.9'	74°09.2'	48°26.3'	60°59.5'
21	95°34.5'	48°58.3'	41°53.4'	49°17.8'	74°42.1'	47°54.3'	60°26.4'
22	95°03.5'	49°31.3'	41°20.3'	49°49.7'	75°14.9'	47°22.4'	59°53.3'
23	94°32.5'	50°04.3'	40°47.2'	50°21.5'	75°47.7'	46°50.5'	59°20.3'

Sun Dec 10, 2017 UTC

UTC	−Sun Lunar Dist.	+Regulus Lunar Dist.	−Spica Lunar Dist.	+Pollux Lunar Dist.	−Mars Lunar Dist.	−Jupiter Lunar Dist.	+Procyon Lunar Dist.
0	94°01.6'	14°07.3'	40°14.2'	50°37.2'	46°18.6'	58°47.4'	50°53.4'
1	93°30.7'	14°40.7'	39°41.2'	51°10.1'	45°46.8'	58°14.4'	51°25.2'
2	92°59.8'	15°14.2'	39°08.3'	51°42.9'	45°15.1'	57°41.6'	51°57.0'
3	92°29.0'	15°47.6'	38°35.5'	52°15.7'	44°43.4'	57°08.7'	52°28.8'
4	91°58.2'	16°21.0'	38°02.7'	52°48.5'	44°11.7'	56°35.9'	53°00.6'
5	91°27.5'	16°54.3'	37°30.0'	53°21.3'	43°40.0'	56°03.2'	53°32.4'
6	90°56.8'	17°27.6'	36°57.3'	53°54.0'	43°08.5'	55°30.5'	54°04.1'
7	90°26.2'	18°00.8'	36°24.7'	54°26.7'	42°36.9'	54°57.8'	54°35.9'
8	89°55.6'	18°34.0'	35°52.1'	54°59.4'	42°05.4'	54°25.2'	55°07.6'
9	89°25.0'	19°07.2'	35°19.6'	55°32.0'	41°34.0'	53°52.6'	55°39.3'
10	88°54.5'	19°40.3'	34°47.1'	56°04.6'	41°02.5'	53°20.1'	56°11.0'
11	88°24.0'	20°13.4'	34°14.7'	56°37.1'	40°31.2'	52°47.6'	56°42.6'
12	87°53.6'	20°46.5'	33°42.4'	57°09.7'	39°59.9'	52°15.2'	57°14.3'
13	87°23.2'	21°19.5'	33°10.1'	57°42.2'	39°28.6'	51°42.8'	57°45.9'
14	86°52.8'	21°52.5'	32°37.9'	58°14.7'	38°57.3'	51°10.4'	58°17.5'
15	86°22.5'	22°25.4'	32°05.8'	58°47.1'	38°26.1'	50°38.1'	58°49.1'
16	85°52.2'	22°58.3'	31°33.7'	59°19.5'	37°55.0'	50°05.8'	59°20.6'
17	85°21.9'	23°31.2'	31°01.6'	59°51.9'	37°23.9'	49°33.5'	59°52.1'
18	84°51.7'	24°04.0'	30°29.7'	60°24.2'	36°52.8'	49°01.3'	60°23.7'
19	84°21.6'	24°36.8'	29°57.8'	60°56.5'	36°21.8'	48°29.1'	60°55.1'
20	83°51.4'	25°09.6'	29°26.0'	61°28.8'	35°50.8'	47°57.0'	61°26.6'
21	83°21.3'	25°42.3'	28°54.2'	62°01.0'	35°19.9'	47°24.9'	61°58.1'
22	82°51.3'	26°15.0'	28°22.5'	62°33.2'	34°49.0'	46°52.9'	62°29.5'
23	82°21.2'	26°47.6'	27°50.9'	63°05.4'	34°18.1'	46°20.9'	63°00.9'

Mon Dec 11, 2017 UTC

UTC	-Sun Lunar Dist.	+Regulus Lunar Dist.	-Spica Lunar Dist.	-Mars Lunar Dist.	-Jupiter Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.
0	81°51.3'	27°20.2'	27°19.3'	33°47.3'	45°48.9'	63°37.6'	63°32.2'
1	81°21.3'	27°52.8'	26°47.9'	33°16.5'	45°17.0'	64°09.7'	64°03.6'
2	80°51.4'	28°25.3'	26°16.5'	32°45.8'	44°45.1'	64°41.8'	64°34.9'
3	80°21.5'	28°57.8'	25°45.2'	32°15.1'	44°13.2'	65°13.8'	65°06.2'
4	79°51.7'	29°30.3'	25°13.9'	31°44.5'	43°41.4'	65°45.8'	65°37.5'
5	79°21.9'	30°02.7'	24°42.8'	31°13.9'	43°09.7'	66°17.8'	66°08.7'
6	78°52.1'	30°35.1'	24°11.7'	30°43.3'	42°37.9'	66°49.8'	66°40.0'
7	78°22.4'	31°07.4'	23°40.7'	30°12.8'	42°06.2'	67°21.7'	67°11.2'
8	77°52.7'	31°39.8'	23°09.9'	29°42.4'	41°34.6'	67°53.6'	67°42.3'
9	77°23.0'	32°12.0'	22°39.1'	29°12.0'	41°02.9'	68°25.5'	68°13.5'
10	76°53.4'	32°44.3'	22°08.4'	28°41.6'	40°31.4'	68°57.3'	68°44.6'
11	76°23.8'	33°16.5'	21°37.8'	28°11.2'	39°59.8'	69°29.1'	69°15.7'
12	75°54.2'	33°48.7'	21°07.4'	27°41.0'	39°28.3'	70°00.9'	69°46.8'
13	75°24.7'	34°20.9'	20°37.0'	27°10.7'	38°56.8'	70°32.6'	70°17.8'
14	74°55.2'	34°53.0'	20°06.8'	26°40.5'	38°25.4'	71°04.3'	70°48.9'
15	74°25.7'	35°25.1'	19°36.7'	26°10.4'	37°54.0'	71°36.0'	71°19.9'
16	73°56.3'	35°57.1'	19°06.7'	25°40.3'	37°22.7'	72°07.7'	71°50.9'
17	73°26.9'	36°29.1'	18°36.9'	25°10.2'	36°51.4'	72°39.3'	72°21.8'
18	72°57.6'	37°01.1'	18°07.2'	24°40.2'	36°20.1'	73°10.9'	72°52.7'
19	72°28.2'	37°33.1'	17°37.7'	24°10.2'	35°48.8'	73°42.4'	73°23.6'
20	71°58.9'	38°05.0'	17°08.3'	23°40.3'	35°17.6'	74°14.0'	73°54.5'
21	71°29.7'	38°36.9'	16°39.2'	23°10.4'	34°46.5'	74°45.5'	74°25.4'
22	71°00.4'	39°08.7'	16°10.2'	22°40.6'	34°15.3'	75°17.0'	74°56.2'
23	70°31.2'	39°40.6'	15°41.4'	22°10.8'	33°44.2'	75°48.4'	75°27.0'

Tue Dec 12, 2017 UTC

UTC	-Sun Lunar Dist.	+Regulus Lunar Dist.	-Jupiter Lunar Dist.	-Mars Lunar Dist.	-Spica Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.
0	70°02.1'	40°12.4'	33°13.2'	21°41.1'	15°12.9'	76°19.8'	75°57.8'
1	69°32.9'	40°44.1'	32°42.2'	21°11.5'	14°44.6'	76°51.2'	76°28.5'
2	69°03.8'	41°15.9'	32°11.2'	20°41.9'	14°16.6'	77°22.6'	76°59.2'
3	68°34.7'	41°47.6'	31°40.2'	20°12.3'	13°48.8'	77°53.9'	77°29.9'
4	68°05.7'	42°19.3'	31°09.3'	19°42.8'	13°21.4'	78°25.2'	78°00.6'
5	67°36.7'	42°50.9'	30°38.5'	19°13.4'	12°54.3'	78°56.5'	78°31.3'
6	67°07.7'	43°22.5'	30°07.6'	18°44.0'	12°27.6'	79°27.7'	79°01.9'
7	66°38.7'	43°54.1'	29°36.8'	18°14.7'	12°01.4'	79°59.0'	79°32.5'
8	66°09.8'	44°25.7'	29°06.1'	17°45.4'	11°35.5'	80°30.2'	80°03.1'
9	65°40.9'	44°57.2'	28°35.4'	17°16.3'	11°10.2'	81°01.3'	80°33.6'
10	65°12.0'	45°28.7'	28°04.7'	16°47.2'	10°45.5'	81°32.5'	81°04.2'
11	64°43.1'	46°00.2'	27°34.1'	16°18.1'	10°21.3'	82°03.6'	81°34.7'
12	64°14.3'	46°31.7'	27°03.5'	15°49.2'	9°57.9'	82°34.7'	82°05.2'
13	63°45.5'	47°03.1'	26°32.9'	15°20.3'	–	83°05.7'	82°35.6'
14	63°16.8'	47°34.5'	26°02.4'	14°51.6'	–	83°36.8'	83°06.0'
15	62°48.0'	48°05.9'	25°31.9'	14°22.9'	–	84°07.8'	83°36.5'
16	62°19.3'	48°37.2'	25°01.5'	13°54.3'	–	84°38.8'	84°06.8'
17	61°50.6'	49°08.5'	24°31.1'	13°25.9'	–	85°09.7'	84°37.2'
18	61°22.0'	49°39.8'	24°00.7'	12°57.5'	–	85°40.7'	85°07.5'
19	60°53.4'	50°11.1'	23°30.4'	12°29.3'	–	86°11.6'	85°37.8'
20	60°24.8'	50°42.3'	23°00.2'	12°01.3'	–	86°42.5'	86°08.1'
21	59°56.2'	51°13.5'	22°30.0'	11°33.3'	–	87°13.3'	86°38.4'
22	59°27.6'	51°44.7'	21°59.8'	11°05.6'	–	87°44.2'	87°08.6'
23	58°59.1'	52°15.9'	21°29.7'	10°38.0'	–	88°15.0'	87°38.9'

Wed Dec 13, 2017 UTC

UTC	−Sun Lunar Dist.	−Jupiter Lunar Dist.	−Mars Lunar Dist.	+Regulus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.
0	58°30.6′	20°59.6′	10°10.7′	52°47.0′	88°45.8′	88°09.1′	114°06.0′
1	58°02.1′	20°29.6′	9°43.6′	53°18.2′	89°16.5′	88°39.2′	114°36.3′
2	57°33.7′	19°59.7′	9°16.8′	53°49.2′	89°47.3′	89°09.4′	115°06.5′
3	57°05.3′	19°29.7′	8°50.2′	54°20.3′	90°18.0′	89°39.5′	115°36.7′
4	56°36.9′	18°59.9′	8°24.0′	54°51.4′	90°48.7′	90°09.6′	116°06.9′
5	56°08.5′	18°30.1′	7°58.3′	55°22.4′	91°19.3′	90°39.7′	116°37.0′
6	55°40.1′	18°00.4′	7°33.0′	55°53.4′	91°50.0′	91°09.8′	117°07.2′
7	55°11.8′	17°30.7′	7°08.2′	56°24.4′	92°20.6′	91°39.8′	117°37.2′
8	54°43.5′	17°01.1′	6°44.0′	56°55.3′	92°51.2′	92°09.8′	118°07.3′
9	54°15.2′	16°31.6′	−	57°26.2′	93°21.8′	92°39.8′	118°37.3′
10	53°47.0′	16°02.2′	−	57°57.1′	93°52.4′	93°09.8′	119°07.3′
11	53°18.7′	15°32.8′	−	58°28.0′	94°22.9′	93°39.7′	119°37.3′
12	52°50.5′	15°03.6′	−	58°58.9′	94°53.4′	94°09.7′	120°07.2′
13	52°22.3′	14°34.4′	−	59°29.7′	95°23.9′	94°39.6′	120°37.1′
14	51°54.2′	14°05.3′	−	60°00.6′	95°54.4′	95°09.4′	121°07.0′
15	51°26.0′	13°36.3′	−	60°31.4′	96°24.8′	95°39.3′	121°36.8′
16	50°57.9′	13°07.5′	−	61°02.2′	96°55.2′	96°09.1′	122°06.7′
17	50°29.8′	12°38.8′	−	61°32.9′	97°25.7′	96°39.0′	122°36.4′
18	50°01.7′	12°10.2′	−	62°03.7′	97°56.0′	97°08.8′	123°06.2′
19	49°33.7′	11°41.8′	−	62°34.4′	98°26.4′	97°38.5′	123°35.9′
20	49°05.6′	11°13.6′	−	63°05.1′	98°56.8′	98°08.3′	124°05.6′
21	48°37.6′	10°45.5′	−	63°35.8′	99°27.1′	98°38.0′	124°35.3′
22	48°09.6′	10°17.7′	−	64°06.4′	99°57.4′	99°07.7′	125°04.9′
23	47°41.6′	9°50.1′	−	64°37.1′	100°27.7′	99°37.4′	125°34.5′

Thu Dec 14, 2017 UTC

UTC	−Sun Lunar Dist.	−Jupiter Lunar Dist.	+Spica Lunar Dist.	+Regulus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Sirius Lunar Dist.
0	47°13.7′	9°22.9′	13°06.5′	65°07.7′	100°57.9′	100°07.1′	109°09.7′
1	46°45.7′	8°55.9′	13°32.9′	65°38.3′	101°28.2′	100°36.7′	109°33.3′
2	46°17.8′	8°29.3′	13°59.4′	66°08.9′	101°58.4′	101°06.3′	109°56.9′
3	45°49.9′	8°03.1′	14°26.3′	66°39.5′	102°28.6′	101°35.9′	110°20.5′
4	45°22.1′	7°37.4′	14°53.3′	67°10.0′	102°58.8′	102°05.5′	110°44.0′
5	44°54.2′	7°12.3′	15°20.6′	67°40.5′	103°29.0′	102°35.1′	111°07.4′
6	44°26.4′	−	15°48.0′	68°11.1′	103°59.1′	103°04.6′	111°30.8′
7	43°58.6′	−	16°15.6′	68°41.6′	104°29.2′	103°34.2′	111°54.2′
8	43°30.8′	−	16°43.3′	69°12.0′	104°59.4′	104°03.7′	112°17.4′
9	43°03.0′	−	17°11.2′	69°42.5′	105°29.5′	104°33.1′	112°40.6′
10	42°35.2′	−	17°39.2′	70°12.9′	105°59.5′	105°02.6′	113°03.8′
11	42°07.5′	−	18°07.3′	70°43.4′	106°29.6′	105°32.0′	113°26.9′
12	41°39.8′	−	18°35.5′	71°13.8′	106°59.6′	106°01.4′	113°49.9′
13	41°12.1′	−	19°03.8′	71°44.2′	107°29.6′	106°30.8′	114°12.9′
14	40°44.4′	−	19°32.2′	72°14.6′	107°59.6′	107°00.2′	114°35.8′
15	40°16.7′	−	20°00.7′	72°44.9′	108°29.6′	107°29.6′	114°58.6′
16	39°49.1′	−	20°29.3′	73°15.3′	108°59.6′	107°58.9′	115°21.4′
17	39°21.4′	−	20°57.9′	73°45.6′	109°29.6′	108°28.2′	115°44.1′
18	38°53.8′	−	21°26.5′	74°15.9′	109°59.5′	108°57.5′	116°06.7′
19	38°26.2′	−	21°55.3′	74°46.3′	110°29.4′	109°26.8′	116°29.3′
20	37°58.7′	−	22°24.0′	75°16.5′	110°59.3′	109°56.0′	116°51.8′
21	37°31.1′	−	22°52.9′	75°46.8′	111°29.2′	110°25.3′	117°14.2′
22	37°03.6′	−	23°21.7′	76°17.1′	111°59.0′	110°54.5′	117°36.6′
23	36°36.0′	−	23°50.7′	76°47.3′	112°28.9′	111°23.6′	117°58.8′

Fri Dec 15, 2017 UTC

UTC	+Spica Lunar Dist.	+Mars Lunar Dist.	+Regulus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Arcturus Lunar Dist.
0	24°19.6'	14°24.2'	77°17.6'	112°58.7'	111°52.8'	33°28.1'
1	24°48.6'	14°51.8'	77°47.8'	113°28.5'	112°22.0'	33°46.6'
2	25°17.6'	15°19.4'	78°18.0'	113°58.3'	112°51.1'	34°05.3'
3	25°46.7'	15°47.0'	78°48.2'	114°28.1'	113°20.2'	34°24.3'
4	26°15.7'	16°14.7'	79°18.4'	114°57.9'	113°49.3'	34°43.4'
5	26°44.8'	16°42.5'	79°48.5'	115°27.6'	114°18.3'	35°02.8'
6	27°14.0'	17°10.3'	80°18.7'	115°57.4'	114°47.4'	35°22.4'
7	27°43.1'	17°38.1'	80°48.8'	116°27.1'	115°16.4'	35°42.2'
8	28°12.3'	18°05.9'	81°19.0'	116°56.8'	115°45.4'	36°02.2'
9	28°41.4'	18°33.7'	81°49.1'	117°26.5'	116°14.4'	36°22.4'
10	29°10.6'	19°01.6'	82°19.2'	117°56.1'	116°43.3'	36°42.8'
11	29°39.9'	19°29.5'	82°49.3'	118°25.8'	117°12.3'	37°03.4'
12	30°09.1'	19°57.4'	83°19.3'	118°55.4'	117°41.2'	37°24.1'
13	30°38.3'	20°25.4'	83°49.4'	119°25.0'	118°10.1'	37°45.1'
14	31°07.6'	20°53.3'	84°19.5'	119°54.7'	118°38.9'	38°06.1'
15	31°36.9'	21°21.2'	84°49.5'	120°24.2'	119°07.8'	38°27.4'
16	32°06.1'	21°49.2'	85°19.5'	120°53.8'	119°36.6'	38°48.8'
17	32°35.4'	22°17.2'	85°49.6'	121°23.4'	120°05.4'	39°10.3'
18	33°04.7'	22°45.1'	86°19.6'	121°52.9'	120°34.2'	39°32.0'
19	33°34.0'	23°13.1'	86°49.6'	122°22.4'	121°02.9'	39°53.9'
20	34°03.3'	23°41.1'	87°19.6'	122°52.0'	121°31.7'	40°15.8'
21	34°32.7'	24°09.1'	87°49.5'	123°21.5'	122°00.4'	40°38.0'
22	35°02.0'	24°37.1'	88°19.5'	123°50.9'	122°29.1'	41°00.2'
23	35°31.3'	25°05.1'	88°49.5'	124°20.4'	122°57.7'	41°22.6'

Sat Dec 16, 2017 UTC

UTC	+Jupiter Lunar Dist.	+Spica Lunar Dist.	+Mars Lunar Dist.	-Antares Lunar Dist.	+Regulus Lunar Dist.	+Arcturus Lunar Dist.	+Adhara Lunar Dist.
0	15°51.8'	36°00.6'	25°33.1'	14°13.3'	89°19.4'	41°45.1'	117°00.8'
1	16°20.3'	36°30.0'	26°01.1'	13°50.9'	89°49.4'	42°07.7'	117°16.7'
2	16°48.8'	36°59.3'	26°29.2'	13°28.9'	90°19.3'	42°30.4'	117°32.5'
3	17°17.4'	37°28.7'	26°57.2'	13°07.5'	90°49.2'	42°53.2'	117°48.2'
4	17°46.0'	37°58.0'	27°25.2'	12°46.6'	91°19.1'	43°16.2'	118°03.8'
5	18°14.6'	38°27.4'	27°53.2'	12°26.3'	91°49.0'	43°39.3'	118°19.2'
6	18°43.3'	38°56.7'	28°21.2'	12°06.7'	92°18.9'	44°02.4'	118°34.6'
7	19°12.0'	39°26.1'	28°49.2'	11°47.8'	92°48.8'	44°25.7'	118°49.8'
8	19°40.7'	39°55.5'	29°17.3'	–	93°18.7'	44°49.0'	119°05.0'
9	20°09.5'	40°24.8'	29°45.3'	–	93°48.5'	45°12.5'	119°20.0'
10	20°38.2'	40°54.2'	30°13.3'	–	94°18.4'	45°36.0'	119°34.9'
11	21°07.0'	41°23.6'	30°41.3'	–	94°48.2'	45°59.6'	119°49.7'
12	21°35.8'	41°52.9'	31°09.3'	–	95°18.1'	46°23.4'	120°04.4'
13	22°04.6'	42°22.3'	31°37.3'	–	95°47.9'	46°47.2'	120°19.0'
14	22°33.5'	42°51.7'	32°05.3'	–	96°17.7'	47°11.0'	120°33.4'
15	23°02.3'	43°21.0'	32°33.4'	–	96°47.5'	47°35.0'	120°47.7'
16	23°31.2'	43°50.4'	33°01.4'	–	97°17.4'	47°59.0'	121°01.9'
17	24°00.0'	44°19.8'	33°29.4'	–	97°47.2'	48°23.2'	121°16.0'
18	24°28.9'	44°49.2'	33°57.4'	–	98°16.9'	48°47.3'	121°30.0'
19	24°57.8'	45°18.5'	34°25.4'	–	98°46.7'	49°11.6'	121°43.8'
20	25°26.7'	45°47.9'	34°53.4'	–	99°16.5'	49°35.9'	121°57.5'
21	25°55.6'	46°17.3'	35°21.4'	–	99°46.3'	50°00.3'	122°11.1'
22	26°24.5'	46°46.6'	35°49.4'	–	100°16.0'	50°24.8'	122°24.5'
23	26°53.4'	47°16.0'	36°17.4'	–	100°45.8'	50°49.3'	122°37.8'

Sun Dec 17, 2017 UTC

UTC	+Jupiter Lunar Dist.	+Spica Lunar Dist.	+Mars Lunar Dist.	+Regulus Lunar Dist.
0	27°22.4'	47°45.4'	36°45.3'	101°15.5'
1	27°51.3'	48°14.7'	37°13.3'	101°45.3'
2	28°20.2'	48°44.1'	37°41.3'	102°15.0'
3	28°49.1'	49°13.5'	38°09.3'	102°44.8'
4	29°18.1'	49°42.8'	38°37.3'	103°14.5'
5	29°47.0'	50°12.2'	39°05.3'	103°44.2'
6	30°16.0'	50°41.6'	39°33.2'	104°13.9'
7	30°44.9'	51°10.9'	40°01.2'	104°43.6'
8	31°13.9'	51°40.3'	40°29.2'	105°13.3'
9	31°42.8'	52°09.7'	40°57.1'	105°43.0'
10	32°11.8'	52°39.0'	41°25.1'	106°12.7'
11	32°40.7'	53°08.4'	41°53.1'	106°42.4'
12	33°09.7'	53°37.7'	42°21.0'	107°12.1'
13	33°38.6'	54°07.1'	42°49.0'	107°41.7'
14	34°07.6'	54°36.4'	43°16.9'	108°11.4'
15	34°36.6'	55°05.8'	43°44.9'	108°41.1'
16	35°05.5'	55°35.1'	44°12.8'	109°10.7'
17	35°34.5'	56°04.5'	44°40.8'	109°40.4'
18	36°03.4'	56°33.8'	45°08.7'	110°10.0'
19	36°32.4'	57°03.2'	45°36.7'	110°39.7'
20	37°01.4'	57°32.5'	46°04.6'	111°09.3'
21	37°30.3'	58°01.9'	46°32.5'	111°38.9'
22	37°59.3'	58°31.2'	47°00.5'	112°08.6'
23	38°28.3'	59°00.6'	47°28.4'	112°38.2'

Wed Dec 20, 2017 UTC

UTC	-Formalhaut Lunar Dist.
0	51°49.2'
1	51°22.4'
2	50°55.6'
3	50°28.9'
4	50°02.3'
5	49°35.6'
6	49°09.0'
7	48°42.5'
8	48°16.0'
9	47°49.5'
10	47°23.0'
11	46°56.7'
12	46°30.3'
13	46°04.0'
14	45°37.8'
15	45°11.6'
16	44°45.4'
17	44°19.3'
18	43°53.3'
19	43°27.3'
20	43°01.4'
21	42°35.6'
22	42°09.8'
23	41°44.0'

Fri Dec 22, 2017 UTC

UTC	+Sun Lunar Dist.	-Formalhaut Lunar Dist.
0	40°19.1'	31°29.8'
1	40°46.3'	31°06.9'
2	41°13.5'	30°44.1'
3	41°40.7'	30°21.5'
4	42°07.9'	29°59.0'
5	42°35.2'	29°36.8'
6	43°02.4'	29°14.8'
7	43°29.7'	28°52.9'
8	43°57.0'	28°31.3'
9	44°24.3'	28°09.9'
10	44°51.6'	27°48.8'
11	45°19.0'	27°27.8'
12	45°46.3'	27°07.2'
13	46°13.7'	26°46.8'
14	46°41.1'	26°26.6'
15	47°08.5'	26°06.8'
16	47°35.9'	25°47.3'
17	48°03.3'	25°28.0'
18	48°30.7'	25°09.1'
19	48°58.2'	24°50.5'
20	49°25.7'	24°32.3'
21	49°53.2'	24°14.4'
22	50°20.7'	23°56.9'
23	50°48.2'	23°39.8'

Sat Dec 23, 2017 UTC

UTC	+Sun Lunar Dist.	-Aldebaran Lunar Dist.	-Rigel Lunar Dist.	+Altair Lunar Dist.	-Capella Lunar Dist.	-Formalhaut Lunar Dist.
0	51°15.8'	107°17.9'	110°26.0'	35°48.5'	117°16.0'	23°23.1'
1	51°43.3'	106°47.7'	109°59.5'	36°06.7'	116°50.0'	23°06.8'
2	52°10.9'	106°17.5'	109°32.9'	36°25.1'	116°24.0'	22°51.0'
3	52°38.5'	105°47.2'	109°06.3'	36°43.8'	115°57.9'	22°35.6'
4	53°06.2'	105°17.0'	108°39.7'	37°02.7'	115°31.8'	22°20.7'
5	53°33.8'	104°46.7'	108°13.0'	37°21.8'	115°05.6'	22°06.3'
6	54°01.5'	104°16.4'	107°46.3'	37°41.1'	114°39.4'	21°52.3'
7	54°29.1'	103°46.1'	107°19.5'	38°00.7'	114°13.1'	21°38.9'
8	54°56.8'	103°15.7'	106°52.8'	38°20.4'	113°46.7'	21°26.1'
9	55°24.5'	102°45.4'	106°26.0'	38°40.4'	113°20.4'	21°13.8'
10	55°52.3'	102°15.0'	105°59.1'	39°00.6'	112°54.0'	21°02.0'
11	56°20.0'	101°44.6'	105°32.2'	39°20.9'	112°27.5'	20°50.9'
12	56°47.8'	101°14.2'	105°05.3'	39°41.5'	112°01.0'	20°40.4'
13	57°15.6'	100°43.8'	104°38.3'	40°02.3'	111°34.4'	20°30.5'
14	57°43.4'	100°13.3'	104°11.4'	40°23.2'	111°07.9'	20°21.2'
15	58°11.3'	99°42.9'	103°44.3'	40°44.3'	110°41.2'	20°12.6'
16	58°39.1'	99°12.4'	103°17.3'	41°05.6'	110°14.6'	20°04.7'
17	59°07.0'	98°41.9'	102°50.2'	41°27.0'	109°47.8'	19°57.4'
18	59°34.9'	98°11.4'	102°23.1'	41°48.7'	109°21.1'	19°50.9'
19	60°02.9'	97°40.8'	101°56.0'	42°10.5'	108°54.3'	19°45.1'
20	60°30.8'	97°10.2'	101°28.8'	42°32.4'	108°27.4'	19°40.0'
21	60°58.8'	96°39.6'	101°01.6'	42°54.5'	108°00.6'	19°35.6'
22	61°26.8'	96°09.0'	100°34.3'	43°16.8'	107°33.7'	19°32.0'
23	61°54.8'	95°38.4'	100°07.1'	43°39.2'	107°06.7'	19°29.2'

Sun Dec 24, 2017 UTC

UTC	+Sun Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.	-Capella Lunar Dist.	-Sirius Lunar Dist.
0	62°22.9'	95°07.7'	112°45.8'	44°01.8'	99°39.8'	106°39.7'	118°10.3'
1	62°50.9'	94°37.0'	112°15.9'	44°24.5'	99°12.4'	106°12.7'	117°47.8'
2	63°19.0'	94°06.3'	111°46.0'	44°47.4'	98°45.1'	105°45.6'	117°25.1'
3	63°47.1'	93°35.6'	111°16.1'	45°10.4'	98°17.7'	105°18.5'	117°02.4'
4	64°15.3'	93°04.8'	110°46.1'	45°33.5'	97°50.3'	104°51.3'	116°39.6'
5	64°43.4'	92°34.0'	110°16.1'	45°56.8'	97°22.8'	104°24.1'	116°16.7'
6	65°11.6'	92°03.2'	109°46.1'	46°20.2'	96°55.3'	103°56.9'	115°53.7'
7	65°39.9'	91°32.4'	109°16.1'	46°43.8'	96°27.8'	103°29.7'	115°30.7'
8	66°08.1'	91°01.5'	108°46.0'	47°07.4'	96°00.3'	103°02.4'	115°07.6'
9	66°36.4'	90°30.7'	108°15.9'	47°31.2'	95°32.7'	102°35.0'	114°44.4'
10	67°04.7'	89°59.7'	107°45.8'	47°55.1'	95°05.1'	102°07.7'	114°21.1'
11	67°33.0'	89°28.8'	107°15.6'	48°19.2'	94°37.5'	101°40.3'	113°57.7'
12	68°01.3'	88°57.9'	106°45.4'	48°43.3'	94°09.9'	101°12.8'	113°34.3'
13	68°29.7'	88°26.9'	106°15.2'	49°07.6'	93°42.2'	100°45.3'	113°10.8'
14	68°58.1'	87°55.8'	105°44.9'	49°32.0'	93°14.5'	100°17.8'	112°47.3'
15	69°26.6'	87°24.8'	105°14.6'	49°56.5'	92°46.7'	99°50.3'	112°23.6'
16	69°55.0'	86°53.7'	104°44.3'	50°21.1'	92°19.0'	99°22.7'	111°59.9'
17	70°23.5'	86°22.6'	104°14.0'	50°45.8'	91°51.2'	98°55.1'	111°36.2'
18	70°52.0'	85°51.5'	103°43.6'	51°10.6'	91°23.4'	98°27.4'	111°12.3'
19	71°20.6'	85°20.4'	103°13.2'	51°35.5'	90°55.5'	97°59.7'	110°48.4'
20	71°49.2'	84°49.2'	102°42.7'	52°00.6'	90°27.7'	97°32.0'	110°24.4'
21	72°17.8'	84°18.0'	102°12.3'	52°25.7'	89°59.8'	97°04.3'	110°00.4'
22	72°46.4'	83°46.7'	101°41.7'	52°50.9'	89°31.8'	96°36.5'	109°36.3'
23	73°15.1'	83°15.4'	101°11.2'	53°16.3'	89°03.9'	96°08.7'	109°12.1'

Mon Dec 25, 2017 UTC

UTC	+Sun Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.	-Capella Lunar Dist.	-Sirius Lunar Dist.
0	73°43.8'	82°44.1'	100°40.6'	53°41.7'	88°35.9'	95°40.8'	108°47.9'
1	74°12.5'	82°12.8'	100°10.0'	54°07.2'	88°07.9'	95°12.9'	108°23.6'
2	74°41.3'	81°41.4'	99°39.4'	54°32.8'	87°39.9'	94°45.0'	107°59.2'
3	75°10.1'	81°10.0'	99°08.7'	54°58.5'	87°11.8'	94°17.0'	107°34.8'
4	75°38.9'	80°38.6'	98°38.0'	55°24.3'	86°43.7'	93°49.1'	107°10.3'
5	76°07.7'	80°07.2'	98°07.3'	55°50.2'	86°15.6'	93°21.0'	106°45.8'
6	76°36.6'	79°35.7'	97°36.5'	56°16.2'	85°47.5'	92°53.0'	106°21.2'
7	77°05.6'	79°04.1'	97°05.7'	56°42.3'	85°19.3'	92°24.9'	105°56.5'
8	77°34.5'	78°32.6'	96°34.9'	57°08.4'	84°51.2'	91°56.8'	105°31.8'
9	78°03.5'	78°01.0'	96°04.0'	57°34.7'	84°23.0'	91°28.6'	105°07.1'
10	78°32.5'	77°29.4'	95°33.1'	58°01.0'	83°54.7'	91°00.5'	104°42.2'
11	79°01.6'	76°57.7'	95°02.2'	58°27.4'	83°26.5'	90°32.3'	104°17.4'
12	79°30.7'	76°26.0'	94°31.2'	58°53.9'	82°58.2'	90°04.0'	103°52.4'
13	79°59.8'	75°54.3'	94°00.2'	59°20.5'	82°29.9'	89°35.8'	103°27.4'
14	80°28.9'	75°22.5'	93°29.2'	59°47.2'	82°01.6'	89°07.5'	103°02.4'
15	80°58.1'	74°50.7'	92°58.1'	60°13.9'	81°33.3'	88°39.1'	102°37.3'
16	81°27.4'	74°18.9'	92°27.0'	60°40.7'	81°04.9'	88°10.8'	102°12.1'
17	81°56.6'	73°47.1'	91°55.9'	61°07.6'	80°36.5'	87°42.4'	101°46.9'
18	82°25.9'	73°15.2'	91°24.7'	61°34.6'	80°08.1'	87°14.0'	101°21.7'
19	82°55.3'	72°43.2'	90°53.5'	62°01.6'	79°39.7'	86°45.5'	100°56.4'
20	83°24.7'	72°11.2'	90°22.2'	62°28.7'	79°11.2'	86°17.0'	100°31.0'
21	83°54.1'	71°39.2'	89°50.9'	62°55.9'	78°42.7'	85°48.5'	100°05.6'
22	84°23.5'	71°07.2'	89°19.6'	63°23.2'	78°14.3'	85°20.0'	99°40.2'
23	84°53.0'	70°35.1'	88°48.3'	63°50.5'	77°45.7'	84°51.5'	99°14.7'

Tue Dec 26, 2017 UTC

UTC	+Sun Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.	-Pollux Lunar Dist.
0	85°22.5'	70°03.0'	88°16.9'	30°28.7'	64°18.0'	77°17.2'	113°56.7'
1	85°52.1'	69°30.8'	87°45.4'	30°53.1'	64°45.4'	76°48.7'	113°25.0'
2	86°21.7'	68°58.6'	87°14.0'	31°17.7'	65°13.0'	76°20.1'	112°53.2'
3	86°51.3'	68°26.4'	86°42.5'	31°42.6'	65°40.6'	75°51.5'	112°21.4'
4	87°21.0'	67°54.1'	86°10.9'	32°07.7'	66°08.3'	75°22.9'	111°49.6'
5	87°50.7'	67°21.8'	85°39.3'	32°33.0'	66°36.1'	74°54.3'	111°17.7'
6	88°20.5'	66°49.5'	85°07.7'	32°58.5'	67°03.9'	74°25.6'	110°45.7'
7	88°50.3'	66°17.1'	84°36.1'	33°24.3'	67°31.8'	73°57.0'	110°13.8'
8	89°20.1'	65°44.6'	84°04.4'	33°50.2'	67°59.8'	73°28.3'	109°41.7'
9	89°50.0'	65°12.2'	83°32.6'	34°16.3'	68°27.8'	72°59.6'	109°09.7'
10	90°19.9'	64°39.7'	83°00.9'	34°42.6'	68°55.9'	72°30.9'	108°37.6'
11	90°49.8'	64°07.1'	82°29.1'	35°09.1'	69°24.1'	72°02.2'	108°05.4'
12	91°19.8'	63°34.5'	81°57.2'	35°35.8'	69°52.3'	71°33.5'	107°33.2'
13	91°49.9'	63°01.9'	81°25.3'	36°02.7'	70°20.6'	71°04.7'	107°01.0'
14	92°20.0'	62°29.2'	80°53.4'	36°29.7'	70°49.0'	70°36.0'	106°28.7'
15	92°50.1'	61°56.5'	80°21.5'	36°56.9'	71°17.4'	70°07.2'	105°56.4'
16	93°20.3'	61°23.7'	79°49.5'	37°24.3'	71°45.9'	69°38.4'	105°24.1'
17	93°50.5'	60°50.9'	79°17.4'	37°51.8'	72°14.4'	69°09.6'	104°51.6'
18	94°20.7'	60°18.1'	78°45.4'	38°19.4'	72°43.0'	68°40.8'	104°19.2'
19	94°51.0'	59°45.2'	78°13.2'	38°47.3'	73°11.7'	68°12.0'	103°46.7'
20	95°21.3'	59°12.3'	77°41.1'	39°15.2'	73°40.4'	67°43.2'	103°14.2'
21	95°51.7'	58°39.3'	77°08.9'	39°43.3'	74°09.2'	67°14.4'	102°41.6'
22	96°22.1'	58°06.3'	76°36.7'	40°11.6'	74°38.0'	66°45.5'	102°09.0'
23	96°52.6'	57°33.2'	76°04.4'	40°40.0'	75°06.9'	66°16.7'	101°36.3'

Wed Dec 27, 2017 UTC

UTC	+Sun Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	-Pollux Lunar Dist.	-Rigel Lunar Dist.	-Procyon Lunar Dist.
0	97°23.1'	57°00.1'	75°32.1'	41°08.5'	101°03.6'	65°47.8'	101°25.7'
1	97°53.7'	56°27.0'	74°59.7'	41°37.1'	100°30.8'	65°19.0'	100°53.6'
2	98°24.3'	55°53.8'	74°27.4'	42°05.9'	99°58.0'	64°50.1'	100°21.4'
3	98°54.9'	55°20.5'	73°54.9'	42°34.8'	99°25.1'	64°21.3'	99°49.2'
4	99°25.6'	54°47.3'	73°22.5'	43°03.9'	98°52.2'	63°52.4'	99°17.0'
5	99°56.3'	54°13.9'	72°50.0'	43°33.0'	98°19.3'	63°23.6'	98°44.7'
6	100°27.1'	53°40.6'	72°17.4'	44°02.3'	97°46.3'	62°54.7'	98°12.4'
7	100°57.9'	53°07.1'	71°44.8'	44°31.7'	97°13.3'	62°25.9'	97°40.0'
8	101°28.8'	52°33.7'	71°12.2'	45°01.2'	96°40.2'	61°57.1'	97°07.6'
9	101°59.7'	52°00.2'	70°39.5'	45°30.8'	96°07.1'	61°28.2'	96°35.1'
10	102°30.7'	51°26.6'	70°06.8'	46°00.5'	95°33.9'	60°59.4'	96°02.6'
11	103°01.7'	50°53.0'	69°34.1'	46°30.3'	95°00.7'	60°30.6'	95°30.0'
12	103°32.7'	50°19.4'	69°01.3'	47°00.3'	94°27.4'	60°01.8'	94°57.4'
13	104°03.8'	49°45.7'	68°28.5'	47°30.3'	93°54.1'	59°32.9'	94°24.7'
14	104°35.0'	49°11.9'	67°55.7'	48°00.5'	93°20.7'	59°04.2'	93°52.0'
15	105°06.2'	48°38.1'	67°22.8'	48°30.7'	92°47.3'	58°35.4'	93°19.3'
16	105°37.4'	48°04.3'	66°49.8'	49°01.1'	92°13.8'	58°06.6'	92°46.5'
17	106°08.7'	47°30.4'	66°16.9'	49°31.5'	91°40.3'	57°37.9'	92°13.6'
18	106°40.1'	46°56.5'	65°43.8'	50°02.1'	91°06.8'	57°09.2'	91°40.7'
19	107°11.4'	46°22.5'	65°10.8'	50°32.7'	90°33.2'	56°40.5'	91°07.8'
20	107°42.9'	45°48.5'	64°37.7'	51°03.5'	89°59.5'	56°11.8'	90°34.8'
21	108°14.3'	45°14.4'	64°04.6'	51°34.3'	89°25.9'	55°43.1'	90°01.8'
22	108°45.9'	44°40.3'	63°31.4'	52°05.2'	88°52.1'	55°14.5'	89°28.7'
23	109°17.4'	44°06.1'	62°58.2'	52°36.2'	88°18.3'	54°45.9'	88°55.6'

Thu Dec 28, 2017 UTC

UTC	+Sun Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	-Pollux Lunar Dist.	-Procyon Lunar Dist.	-Capella Lunar Dist.
0	109°49.1'	43°31.9'	62°25.0'	53°07.3'	87°44.5'	88°22.4'	61°07.0'
1	110°20.7'	42°57.7'	61°51.7'	53°38.5'	87°10.6'	87°49.2'	60°37.7'
2	110°52.5'	42°23.3'	61°18.4'	54°09.8'	86°36.7'	87°15.9'	60°08.4'
3	111°24.2'	41°49.0'	60°45.0'	54°41.2'	86°02.7'	86°42.6'	59°39.2'
4	111°56.0'	41°14.6'	60°11.7'	55°12.6'	85°28.7'	86°09.2'	59°09.9'
5	112°27.9'	40°40.1'	59°38.2'	55°44.2'	84°54.6'	85°35.8'	58°40.7'
6	112°59.8'	40°05.6'	59°04.8'	56°15.8'	84°20.5'	85°02.4'	58°11.5'
7	113°31.8'	39°31.1'	58°31.3'	56°47.5'	83°46.3'	84°28.9'	57°42.3'
8	114°03.8'	38°56.4'	57°57.8'	57°19.3'	83°12.1'	83°55.4'	57°13.1'
9	114°35.8'	38°21.8'	57°24.2'	57°51.1'	82°37.8'	83°21.8'	56°44.0'
10	115°08.0'	37°47.1'	56°50.6'	58°23.1'	82°03.5'	82°48.1'	56°14.9'
11	115°40.1'	37°12.3'	56°17.0'	58°55.1'	81°29.2'	82°14.5'	55°45.8'
12	116°12.3'	36°37.5'	55°43.4'	59°27.2'	80°54.8'	81°40.7'	55°16.7'
13	116°44.6'	36°02.7'	55°09.7'	59°59.3'	80°20.3'	81°07.0'	54°47.7'
14	117°16.9'	35°27.8'	54°36.0'	60°31.6'	79°45.8'	80°33.2'	54°18.7'
15	117°49.2'	34°52.8'	54°02.2'	61°03.9'	79°11.3'	79°59.3'	53°49.8'
16	118°21.6'	34°17.8'	53°28.4'	61°36.3'	78°36.7'	79°25.4'	53°20.9'
17	118°54.1'	33°42.8'	52°54.6'	62°08.8'	78°02.0'	78°51.5'	52°52.0'
18	119°26.6'	33°07.7'	52°20.8'	62°41.3'	77°27.3'	78°17.5'	52°23.2'
19	119°59.1'	32°32.6'	51°46.9'	63°13.9'	76°52.6'	77°43.5'	51°54.5'
20	120°31.7'	31°57.4'	51°13.0'	63°46.6'	76°17.8'	77°09.4'	51°25.7'
21	121°04.4'	31°22.1'	50°39.1'	64°19.4'	75°43.0'	76°35.3'	50°57.1'
22	121°37.0'	30°46.8'	50°05.2'	64°52.2'	75°08.1'	76°01.1'	50°28.5'
23	122°09.8'	30°11.5'	49°31.2'	65°25.1'	74°33.2'	75°26.9'	49°00.0'

Fri Dec 29, 2017 UTC

UTC	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	-Pollux Lunar Dist.	-Procyon Lunar Dist.	+Formalhaut Lunar Dist.	-Regulus Lunar Dist.	-Capella Lunar Dist.
0	29°36.1'	48°57.2'	73°58.2'	74°52.7'	65°58.0'	109°43.8'	49°31.5'
1	29°00.7'	48°23.2'	73°23.2'	74°18.4'	66°31.1'	109°08.3'	49°03.1'
2	28°25.2'	47°49.2'	72°48.1'	73°44.1'	67°04.2'	108°32.8'	48°34.8'
3	27°49.7'	47°15.2'	72°13.0'	73°09.8'	67°37.3'	107°57.3'	48°06.6'
4	27°14.1'	46°41.1'	71°37.9'	72°35.4'	68°10.5'	107°21.7'	47°38.4'
5	26°38.5'	46°07.0'	71°02.7'	72°00.9'	68°43.8'	106°46.1'	47°10.4'
6	26°02.8'	45°32.9'	70°27.5'	71°26.5'	69°17.2'	106°10.4'	46°42.4'
7	25°27.1'	44°58.8'	69°52.2'	70°51.9'	69°50.6'	105°34.6'	46°14.5'
8	24°51.3'	44°24.7'	69°16.9'	70°17.4'	70°24.1'	104°58.8'	45°46.8'
9	24°15.5'	43°50.5'	68°41.5'	69°42.8'	70°57.6'	104°23.0'	45°19.1'
10	23°39.6'	43°16.4'	68°06.1'	69°08.2'	71°31.2'	103°47.1'	44°51.6'
11	23°03.7'	42°42.2'	67°30.6'	68°33.5'	72°04.9'	103°11.2'	44°24.2'
12	22°27.7'	42°08.1'	66°55.1'	67°58.8'	72°38.6'	102°35.2'	43°56.9'
13	21°51.7'	41°33.9'	66°19.6'	67°24.1'	73°12.4'	101°59.2'	43°29.7'
14	21°15.7'	40°59.8'	65°44.0'	66°49.3'	73°46.2'	101°23.2'	43°02.7'
15	20°39.6'	40°25.6'	65°08.4'	66°14.5'	74°20.1'	100°47.0'	42°35.8'
16	20°03.5'	39°51.4'	64°32.7'	65°39.7'	74°54.0'	100°10.9'	42°09.1'
17	19°27.3'	39°17.3'	63°57.0'	65°04.8'	75°28.1'	99°34.7'	41°42.5'
18	18°51.0'	38°43.1'	63°21.2'	64°29.9'	76°02.1'	98°58.4'	41°16.1'
19	18°14.8'	38°09.0'	62°45.5'	63°55.0'	76°36.2'	98°22.1'	40°49.8'
20	17°38.4'	37°34.9'	62°09.6'	63°20.1'	77°10.4'	97°45.8'	40°23.8'
21	17°02.1'	37°00.8'	61°33.8'	62°45.1'	77°44.6'	97°09.4'	39°57.9'
22	16°25.7'	36°26.7'	60°57.9'	62°10.1'	78°18.9'	96°32.9'	39°32.3'
23	15°49.2'	35°52.7'	60°21.9'	61°35.0'	78°53.2'	95°56.5'	39°06.8'

Sat Dec 30, 2017 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Regulus Lunar Dist.	+Formalhaut Lunar Dist.	−Capella Lunar Dist.
0	15°12.8′	35°18.6′	59°45.9′	60°60.0′	95°19.9′	79°27.6′	38°41.5′
1	14°36.2′	34°44.7′	59°09.9′	60°24.9′	94°43.4′	80°02.0′	38°16.5′
2	13°59.7′	34°10.7′	58°33.9′	59°49.8′	94°06.8′	80°36.5′	37°51.7′
3	13°23.1′	33°36.8′	57°57.8′	59°14.6′	93°30.1′	81°11.0′	37°27.2′
4	12°46.4′	33°02.9′	57°21.7′	58°39.5′	92°53.4′	81°45.6′	37°02.9′
5	12°09.7′	32°29.1′	56°45.5′	58°04.3′	92°16.7′	82°20.2′	36°38.9′
6	11°33.0′	31°55.4′	56°09.3′	57°29.1′	91°39.9′	82°54.9′	36°15.2′
7	10°56.3′	31°21.7′	55°33.1′	56°53.9′	91°03.1′	83°29.6′	35°51.7′
8	10°19.5′	30°48.0′	54°56.8′	56°18.6′	90°26.2′	84°04.3′	35°28.6′
9	9°42.7′	30°14.5′	54°20.5′	55°43.4′	89°49.3′	84°39.1′	35°05.7′
10	9°05.8′	29°41.0′	53°44.2′	55°08.1′	89°12.3′	85°14.0′	34°43.2′
11	8°29.0′	29°07.7′	53°07.9′	54°32.8′	88°35.3′	85°48.8′	34°21.1′
12	7°52.1′	28°34.4′	52°31.5′	53°57.5′	87°58.3′	86°23.8′	33°59.3′
13	7°15.2′	28°01.2′	51°55.1′	53°22.2′	87°21.2′	86°58.7′	33°37.8′
14	6°38.3′	27°28.2′	51°18.7′	52°46.9′	86°44.1′	87°33.7′	33°16.7′
15	6°01.4′	26°55.3′	50°42.2′	52°11.6′	86°07.0′	88°08.8′	32°56.1′
16	5°24.5′	26°22.5′	50°05.7′	51°36.3′	85°29.8′	88°43.8′	32°35.8′
17	4°47.7′	25°49.9′	49°29.2′	51°00.9′	84°52.6′	89°18.9′	32°16.0′
18	4°11.0′	25°17.4′	48°52.7′	50°25.6′	84°15.3′	89°54.1′	31°56.6′
19	3°34.4′	24°45.1′	48°16.1′	49°50.3′	83°38.0′	90°29.3′	31°37.7′
20	2°58.0′	24°13.0′	47°39.6′	49°14.9′	83°00.7′	91°04.5′	31°19.2′
21	–	23°41.1′	47°03.0′	48°39.6′	82°23.3′	91°39.8′	31°01.2′
22	–	23°09.5′	46°26.4′	48°04.3′	81°45.9′	92°15.0′	30°43.8′
23	–	22°38.1′	45°49.7′	47°29.0′	81°08.5′	92°50.4′	30°26.9′

Sun Dec 31, 2017 UTC

UTC	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Regulus Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Sirius Lunar Dist.	−Capella Lunar Dist.
0	45°13.1′	46°53.6′	80°31.0′	22°07.0′	93°25.7′	46°51.0′	30°10.5′
1	44°36.4′	46°18.3′	79°53.5′	21°36.1′	94°01.1′	46°29.7′	29°54.6′
2	43°59.7′	45°43.1′	79°15.9′	21°05.6′	94°36.5′	46°08.7′	29°39.4′
3	43°23.1′	45°07.8′	78°38.4′	20°35.4′	95°11.9′	45°47.9′	29°24.7′
4	42°46.4′	44°32.6′	78°00.8′	20°05.6′	95°47.4′	45°27.4′	29°10.7′
5	42°09.7′	43°57.3′	77°23.1′	19°36.2′	96°22.8′	45°07.1′	28°57.2′
6	41°32.9′	43°22.1′	76°45.4′	19°07.2′	96°58.3′	44°47.1′	28°44.5′
7	40°56.2′	42°47.0′	76°07.8′	18°38.7′	97°33.9′	44°27.4′	28°32.3′
8	40°19.5′	42°11.8′	75°30.0′	18°10.8′	98°09.4′	44°08.0′	28°20.9′
9	39°42.8′	41°36.7′	74°52.3′	17°43.4′	98°45.0′	43°48.9′	28°10.1′
10	39°06.0′	41°01.6′	74°14.5′	17°16.6′	99°20.6′	43°30.1′	28°00.1′
11	38°29.3′	40°26.6′	73°36.7′	16°50.4′	99°56.2′	43°11.6′	27°50.8′
12	37°52.6′	39°51.6′	72°58.8′	16°25.0′	100°31.8′	42°53.5′	27°42.2′
13	37°15.9′	39°16.7′	72°21.0′	–	101°07.4′	42°35.7′	27°34.4′
14	36°39.2′	38°41.8′	71°43.1′	–	101°43.1′	42°18.2′	27°27.3′
15	36°02.5′	38°07.0′	71°05.2′	–	102°18.8′	42°01.1′	27°21.0′
16	35°25.8′	37°32.3′	70°27.2′	–	102°54.4′	41°44.3′	27°15.5′
17	34°49.2′	36°57.6′	69°49.3′	–	103°30.1′	41°28.0′	–
18	34°12.5′	36°23.0′	69°11.3′	–	104°05.8′	41°11.9′	–
19	33°35.9′	35°48.4′	68°33.3′	–	104°41.5′	40°56.3′	–
20	32°59.3′	35°14.0′	67°55.3′	–	105°17.2′	40°41.1′	–
21	32°22.7′	34°39.6′	67°17.2′	–	105°53.0′	40°26.3′	–
22	31°46.2′	34°05.3′	66°39.1′	–	106°28.7′	40°11.9′	–
23	31°09.7′	33°31.2′	66°01.1′	–	107°04.4′	39°57.9′	–