

Wed Nov 1, 2017 UTC

UTC	−Aldebaran Lunar Dist.	+Saturn Lunar Dist.	−Betelgeuse Lunar Dist.	+Antares Lunar Dist.	+Altair Lunar Dist.	−Rigel Lunar Dist.	−Pollux Lunar Dist.
0	73°38.4'	91°38.8'	91°52.8'	105°53.5'	61°00.1'	80°41.1'	117°23.7'
1	73°04.6'	92°12.4'	91°19.7'	106°26.8'	61°28.8'	80°11.0'	116°50.4'
2	72°30.7'	92°45.9'	90°46.6'	107°00.1'	61°57.6'	79°40.8'	116°17.1'
3	71°56.8'	93°19.5'	90°13.5'	107°33.5'	62°26.5'	79°10.7'	115°43.7'
4	71°22.9'	93°53.2'	89°40.3'	108°07.0'	62°55.5'	78°40.5'	115°10.3'
5	70°48.9'	94°26.9'	89°07.1'	108°40.5'	63°24.6'	78°10.2'	114°36.8'
6	70°14.9'	95°00.6'	88°33.8'	109°14.0'	63°53.7'	77°40.0'	114°03.3'
7	69°40.8'	95°34.4'	88°00.5'	109°47.6'	64°22.9'	77°09.7'	113°29.7'
8	69°06.7'	96°08.2'	87°27.1'	110°21.2'	64°52.2'	76°39.4'	112°56.1'
9	68°32.5'	96°42.1'	86°53.7'	110°54.8'	65°21.6'	76°09.0'	112°22.4'
10	67°58.3'	97°16.1'	86°20.2'	111°28.5'	65°51.1'	75°38.7'	111°48.7'
11	67°24.0'	97°50.0'	85°46.7'	112°02.3'	66°20.7'	75°08.3'	111°14.9'
12	66°49.7'	98°24.0'	85°13.1'	112°36.0'	66°50.3'	74°37.9'	110°41.0'
13	66°15.4'	98°58.1'	84°39.5'	113°09.9'	67°20.0'	74°07.5'	110°07.2'
14	65°41.0'	99°32.2'	84°05.9'	113°43.7'	67°49.8'	73°37.0'	109°33.2'
15	65°06.5'	100°06.4'	83°32.2'	114°17.6'	68°19.6'	73°06.6'	108°59.3'
16	64°32.0'	100°40.6'	82°58.5'	114°51.6'	68°49.6'	72°36.1'	108°25.3'
17	63°57.5'	101°14.8'	82°24.7'	115°25.6'	69°19.6'	72°05.6'	107°51.2'
18	63°22.9'	101°49.1'	81°50.9'	115°59.6'	69°49.6'	71°35.1'	107°17.1'
19	62°48.3'	102°23.5'	81°17.1'	116°33.6'	70°19.8'	71°04.6'	106°42.9'
20	62°13.6'	102°57.9'	80°43.2'	117°07.7'	70°50.0'	70°34.0'	106°08.7'
21	61°38.9'	103°32.3'	80°09.3'	117°41.9'	71°20.3'	70°03.5'	105°34.4'
22	61°04.1'	104°06.8'	79°35.3'	118°16.1'	71°50.6'	69°32.9'	105°00.1'
23	60°29.3'	104°41.3'	79°01.3'	118°50.3'	72°21.0'	69°02.3'	104°25.8'

Thu Nov 2, 2017 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	+Saturn Lunar Dist.	−Pollux Lunar Dist.	−Rigel Lunar Dist.	−Procyon Lunar Dist.
0	59°54.5'	78°27.2'	38°52.8'	105°15.8'	103°51.4'	68°31.8'	104°20.1'
1	59°19.6'	77°53.1'	39°22.2'	105°50.4'	103°16.9'	68°01.2'	103°46.3'
2	58°44.6'	77°19.0'	39°51.8'	106°25.1'	102°42.4'	67°30.6'	103°12.4'
3	58°09.7'	76°44.8'	40°21.5'	106°59.8'	102°07.9'	67°00.0'	102°38.5'
4	57°34.6'	76°10.6'	40°51.3'	107°34.5'	101°33.3'	66°29.4'	102°04.5'
5	56°59.5'	75°36.3'	41°21.3'	108°09.3'	100°58.7'	65°58.8'	101°30.5'
6	56°24.4'	75°02.0'	41°51.5'	108°44.1'	100°24.0'	65°28.2'	100°56.5'
7	55°49.3'	74°27.7'	42°21.8'	109°19.0'	99°49.3'	64°57.6'	100°22.4'
8	55°14.1'	73°53.3'	42°52.2'	109°53.9'	99°14.5'	64°27.0'	99°48.2'
9	54°38.8'	73°18.9'	43°22.8'	110°28.9'	98°39.7'	63°56.5'	99°14.0'
10	54°03.5'	72°44.5'	43°53.5'	111°03.9'	98°04.8'	63°25.9'	98°39.8'
11	53°28.2'	72°10.0'	44°24.3'	111°38.9'	97°29.9'	62°55.3'	98°05.5'
12	52°52.8'	71°35.5'	44°55.2'	112°14.0'	96°55.0'	62°24.8'	97°31.2'
13	52°17.4'	71°00.9'	45°26.3'	112°49.1'	96°20.0'	61°54.2'	96°56.8'
14	51°42.0'	70°26.4'	45°57.5'	113°24.3'	95°45.0'	61°23.7'	96°22.4'
15	51°06.5'	69°51.7'	46°28.8'	113°59.5'	95°09.9'	60°53.2'	95°47.9'
16	50°30.9'	69°17.1'	47°00.2'	114°34.7'	94°34.8'	60°22.7'	95°13.4'
17	49°55.3'	68°42.4'	47°31.8'	115°10.0'	93°59.7'	59°52.2'	94°38.9'
18	49°19.7'	68°07.7'	48°03.4'	115°45.3'	93°24.5'	59°21.8'	94°04.3'
19	48°44.1'	67°33.0'	48°35.1'	116°20.7'	92°49.3'	58°51.3'	93°29.7'
20	48°08.4'	66°58.2'	49°07.0'	116°56.1'	92°14.0'	58°20.9'	92°55.0'
21	47°32.6'	66°23.4'	49°38.9'	117°31.5'	91°38.7'	57°50.6'	92°20.3'
22	46°56.8'	65°48.5'	50°11.0'	118°07.0'	91°03.3'	57°20.2'	91°45.6'
23	46°21.0'	65°13.7'	50°43.1'	118°42.5'	90°28.0'	56°49.9'	91°10.8'

Fri Nov 3, 2017 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Rigel Lunar Dist.	−Capella Lunar Dist.
0	45°45.2'	64°38.8'	51°15.4'	89°52.5'	90°36.0'	56°19.7'	62°50.4'
1	45°09.3'	64°03.9'	51°47.7'	89°17.1'	90°01.2'	55°49.4'	62°19.6'
2	44°33.4'	63°28.9'	52°20.1'	88°41.6'	89°26.3'	55°19.3'	61°48.8'
3	43°57.4'	62°53.9'	52°52.6'	88°06.1'	88°51.3'	54°49.1'	61°18.0'
4	43°21.4'	62°19.0'	53°25.2'	87°30.5'	88°16.4'	54°19.0'	60°47.3'
5	42°45.3'	61°43.9'	53°57.9'	86°54.9'	87°41.4'	53°49.0'	60°16.6'
6	42°09.3'	61°08.9'	54°30.6'	86°19.2'	87°06.4'	53°19.0'	59°45.9'
7	41°33.2'	60°33.8'	55°03.5'	85°43.6'	86°31.3'	52°49.1'	59°15.2'
8	40°57.0'	59°58.7'	55°36.4'	85°07.8'	85°56.2'	52°19.3'	58°44.6'
9	40°20.8'	59°23.6'	56°09.4'	84°32.1'	85°21.1'	51°49.5'	58°14.0'
10	39°44.6'	58°48.5'	56°42.4'	83°56.3'	84°45.9'	51°19.8'	57°43.5'
11	39°08.4'	58°13.3'	57°15.6'	83°20.5'	84°10.7'	50°50.1'	57°13.0'
12	38°32.1'	57°38.2'	57°48.8'	82°44.7'	83°35.5'	50°20.5'	56°42.5'
13	37°55.8'	57°03.0'	58°22.1'	82°08.8'	83°00.3'	49°51.1'	56°12.1'
14	37°19.4'	56°27.8'	58°55.4'	81°32.9'	82°25.0'	49°21.7'	55°41.8'
15	36°43.0'	55°52.6'	59°28.8'	80°57.0'	81°49.7'	48°52.3'	55°11.4'
16	36°06.6'	55°17.3'	60°02.3'	80°21.0'	81°14.4'	48°23.1'	54°41.2'
17	35°30.2'	54°42.1'	60°35.8'	79°45.0'	80°39.0'	47°54.0'	54°11.0'
18	34°53.7'	54°06.9'	61°09.4'	79°09.0'	80°03.6'	47°25.0'	53°40.9'
19	34°17.2'	53°31.6'	61°43.1'	78°32.9'	79°28.2'	46°56.1'	53°10.8'
20	33°40.7'	52°56.3'	62°16.8'	77°56.9'	78°52.8'	46°27.3'	52°40.8'
21	33°04.1'	52°21.0'	62°50.6'	77°20.8'	78°17.3'	45°58.6'	52°10.9'
22	32°27.5'	51°45.8'	63°24.4'	76°44.6'	77°41.9'	45°30.0'	51°41.0'
23	31°50.9'	51°10.5'	63°58.3'	76°08.5'	77°06.4'	45°01.6'	51°11.3'

Sat Nov 4, 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	31°14.3'	50°35.2'	75°32.3'	76°30.8'	64°32.2'	111°21.4'	50°41.6'
1	30°37.6'	49°59.9'	74°56.1'	75°55.3'	65°06.2'	110°44.7'	50°12.0'
2	30°00.9'	49°24.6'	74°19.9'	75°19.7'	65°40.3'	110°08.0'	49°42.5'
3	29°24.2'	48°49.3'	73°43.6'	74°44.2'	66°14.4'	109°31.3'	49°13.1'
4	28°47.5'	48°14.0'	73°07.3'	74°08.6'	66°48.5'	108°54.6'	48°43.8'
5	28°10.7'	47°38.7'	72°31.1'	73°32.9'	67°22.7'	108°17.8'	48°14.6'
6	27°33.9'	47°03.4'	71°54.7'	72°57.3'	67°56.9'	107°41.0'	47°45.5'
7	26°57.1'	46°28.1'	71°18.4'	72°21.7'	68°31.2'	107°04.1'	47°16.6'
8	26°20.2'	45°52.9'	70°42.1'	71°46.0'	69°05.5'	106°27.3'	46°47.7'
9	25°43.4'	45°17.6'	70°05.7'	71°10.3'	69°39.9'	105°50.4'	46°19.0'
10	25°06.5'	44°42.4'	69°29.3'	70°34.6'	70°14.3'	105°13.5'	45°50.4'
11	24°29.6'	44°07.1'	68°52.9'	69°58.9'	70°48.7'	104°36.6'	45°22.0'
12	23°52.7'	43°31.9'	68°16.5'	69°23.2'	71°23.2'	103°59.6'	44°53.7'
13	23°15.7'	42°56.7'	67°40.0'	68°47.5'	71°57.7'	103°22.7'	44°25.5'
14	22°38.8'	42°21.6'	67°03.6'	68°11.8'	72°32.2'	102°45.7'	43°57.5'
15	22°01.8'	41°46.4'	66°27.1'	67°36.1'	73°06.8'	102°08.7'	43°29.7'
16	21°24.8'	41°11.3'	65°50.6'	67°00.3'	73°41.4'	101°31.7'	43°02.0'
17	20°47.8'	40°36.2'	65°14.1'	66°24.6'	74°16.1'	100°54.7'	42°34.6'
18	20°10.8'	40°01.1'	64°37.6'	65°48.8'	74°50.7'	100°17.6'	42°07.3'
19	19°33.7'	39°26.1'	64°01.1'	65°13.1'	75°25.4'	99°40.5'	41°40.2'
20	18°56.7'	38°51.1'	63°24.6'	64°37.3'	76°00.2'	99°03.4'	41°13.2'
21	18°19.6'	38°16.2'	62°48.0'	64°01.5'	76°34.9'	98°26.3'	40°46.5'
22	17°42.5'	37°41.3'	62°11.5'	63°25.8'	77°09.7'	97°49.2'	40°20.1'
23	17°05.4'	37°06.4'	61°35.0'	62°50.0'	77°44.5'	97°12.1'	39°53.8'

Sun Nov 5, 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	16°28.3'	36°31.6'	60°58.4'	62°14.3'	96°35.0'	78°19.3'	39°27.8'
1	15°51.2'	35°56.9'	60°21.8'	61°38.5'	95°57.8'	78°54.2'	39°02.0'
2	15°14.1'	35°22.2'	59°45.3'	61°02.8'	95°20.6'	79°29.1'	38°36.4'
3	14°36.9'	34°47.6'	59°08.7'	60°27.0'	94°43.5'	80°04.0'	38°11.1'
4	13°59.8'	34°13.0'	58°32.1'	59°51.3'	94°06.3'	80°38.9'	37°46.1'
5	13°22.6'	33°38.5'	57°55.5'	59°15.6'	93°29.1'	81°13.8'	37°21.4'
6	12°45.5'	33°04.1'	57°19.0'	58°39.9'	92°51.9'	81°48.7'	36°57.0'
7	12°08.3'	32°29.8'	56°42.4'	58°04.1'	92°14.6'	82°23.7'	36°32.8'
8	11°31.2'	31°55.6'	56°05.8'	57°28.5'	91°37.4'	82°58.7'	36°09.0'
9	10°54.0'	31°21.4'	55°29.2'	56°52.8'	91°00.2'	83°33.7'	35°45.5'
10	10°16.9'	30°47.4'	54°52.6'	56°17.1'	90°22.9'	84°08.7'	35°22.3'
11	9°39.7'	30°13.5'	54°16.1'	55°41.5'	89°45.7'	84°43.7'	34°59.5'
12	9°02.6'	29°39.7'	53°39.5'	55°05.8'	89°08.4'	85°18.7'	34°37.0'
13	8°25.5'	29°06.0'	53°02.9'	54°30.2'	88°31.1'	85°53.8'	34°15.0'
14	7°48.4'	28°32.4'	52°26.4'	53°54.6'	87°53.9'	86°28.8'	33°53.3'
15	7°11.3'	27°59.0'	51°49.8'	53°19.0'	87°16.6'	87°03.8'	33°32.0'
16	6°34.2'	27°25.7'	51°13.3'	52°43.5'	86°39.3'	87°38.9'	33°11.1'
17	5°57.2'	26°52.6'	50°36.8'	52°08.0'	86°02.1'	88°14.0'	32°50.6'
18	5°20.3'	26°19.6'	50°00.3'	51°32.5'	85°24.8'	88°49.0'	32°30.6'
19	4°43.4'	25°46.9'	49°23.8'	50°57.0'	84°47.5'	89°24.1'	32°11.0'
20	4°06.7'	25°14.3'	48°47.3'	50°21.6'	84°10.2'	89°59.2'	31°51.9'
21	3°30.1'	24°41.9'	48°10.8'	49°46.2'	83°32.9'	90°34.2'	31°33.3'
22	2°53.9'	24°09.8'	47°34.3'	49°10.8'	82°55.6'	91°09.3'	31°15.1'
23	–	23°37.9'	46°57.9'	48°35.5'	82°18.4'	91°44.4'	30°57.5'

Mon Nov 6, 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	46°21.4'	48°00.2'	81°41.1'	23°06.2'	92°19.4'	47°32.5'	30°40.5'
1	45°45.0'	47°24.9'	81°03.8'	22°34.9'	92°54.5'	47°10.6'	30°23.9'
2	45°08.7'	46°49.7'	80°26.5'	22°03.8'	93°29.5'	46°49.0'	30°07.9'
3	44°32.3'	46°14.6'	79°49.2'	21°33.0'	94°04.6'	46°27.6'	29°52.5'
4	43°55.9'	45°39.4'	79°12.0'	21°02.6'	94°39.6'	46°06.5'	29°37.7'
5	43°19.6'	45°04.4'	78°34.7'	20°32.5'	95°14.7'	45°45.6'	29°23.5'
6	42°43.3'	44°29.3'	77°57.4'	20°02.8'	95°49.7'	45°25.1'	29°09.9'
7	42°07.1'	43°54.4'	77°20.2'	19°33.5'	96°24.7'	45°04.8'	28°57.0'
8	41°30.8'	43°19.5'	76°42.9'	19°04.7'	96°59.7'	44°44.8'	28°44.6'
9	40°54.6'	42°44.6'	76°05.7'	18°36.4'	97°34.7'	44°25.1'	28°33.0'
10	40°18.5'	42°09.8'	75°28.5'	18°08.6'	98°09.7'	44°05.7'	28°22.0'
11	39°42.3'	41°35.1'	74°51.2'	17°41.4'	98°44.7'	43°46.6'	28°11.7'
12	39°06.3'	41°00.4'	74°14.0'	17°14.7'	99°19.6'	43°27.8'	28°02.1'
13	38°30.2'	40°25.9'	73°36.8'	16°48.7'	99°54.6'	43°09.4'	27°53.3'
14	37°54.2'	39°51.3'	72°59.6'	16°23.5'	100°29.5'	42°51.3'	27°45.1'
15	37°18.2'	39°16.9'	72°22.4'	–	101°04.4'	42°33.5'	27°37.7'
16	36°42.3'	38°42.6'	71°45.2'	–	101°39.3'	42°16.1'	27°31.0'
17	36°06.4'	38°08.3'	71°08.1'	–	102°14.1'	41°59.0'	27°25.1'
18	35°30.6'	37°34.1'	70°30.9'	–	102°49.0'	41°42.2'	27°19.9'
19	34°54.8'	37°00.0'	69°53.8'	–	103°23.8'	41°25.9'	27°15.5'
20	34°19.0'	36°26.0'	69°16.6'	–	103°58.6'	41°09.9'	27°11.9'
21	33°43.4'	35°52.1'	68°39.5'	–	104°33.3'	40°54.3'	27°09.0'
22	33°07.8'	35°18.4'	68°02.4'	–	105°08.1'	40°39.1'	27°06.9'
23	32°32.2'	34°44.7'	67°25.3'	–	105°42.8'	40°24.3'	27°05.6'

Tue Nov 7, 2017 UTC

UTC	+Aldebaran Lunar Dist.	-Pollux Lunar Dist.	-Regulus Lunar Dist.	-Procyon Lunar Dist.	-Mars Lunar Dist.	+Formalhaut Lunar Dist.	+Achernar Lunar Dist.
0	13°20.7'	31°56.7'	66°48.2'	34°11.1'	106°16.7'	106°17.5'	90°20.9'
1	13°57.8'	31°21.3'	66°11.2'	33°37.7'	105°41.3'	106°52.2'	90°41.1'
2	14°34.7'	30°46.0'	65°34.1'	33°04.4'	105°05.8'	107°26.8'	91°01.3'
3	15°11.7'	30°10.7'	64°57.1'	32°31.2'	104°30.4'	108°01.4'	91°21.5'
4	15°48.7'	29°35.5'	64°20.1'	31°58.2'	103°55.0'	108°36.0'	91°41.7'
5	16°25.6'	29°00.4'	63°43.1'	31°25.3'	103°19.6'	109°10.5'	92°01.8'
6	17°02.6'	28°25.4'	63°06.1'	30°52.6'	102°44.3'	109°45.0'	92°22.0'
7	17°39.5'	27°50.5'	62°29.2'	30°20.0'	102°08.9'	110°19.5'	92°42.1'
8	18°16.4'	27°15.7'	61°52.2'	29°47.6'	101°33.6'	110°53.9'	93°02.2'
9	18°53.3'	26°41.0'	61°15.3'	29°15.4'	100°58.3'	111°28.3'	93°22.2'
10	19°30.2'	26°06.4'	60°38.4'	28°43.4'	100°23.0'	112°02.6'	93°42.3'
11	20°07.0'	25°31.9'	60°01.5'	28°11.6'	99°47.8'	112°36.9'	94°02.3'
12	20°43.9'	24°57.6'	59°24.7'	27°39.9'	99°12.5'	113°11.2'	94°22.3'
13	21°20.7'	24°23.4'	58°47.8'	27°08.5'	98°37.3'	113°45.4'	94°42.2'
14	21°57.5'	23°49.3'	58°11.0'	26°37.4'	98°02.1'	114°19.6'	95°02.2'
15	22°34.3'	23°15.4'	57°34.2'	26°06.5'	97°26.9'	114°53.8'	95°22.0'
16	23°11.0'	22°41.6'	56°57.4'	25°35.8'	96°51.7'	115°27.9'	95°41.9'
17	23°47.8'	22°08.0'	56°20.7'	25°05.4'	96°16.6'	116°01.9'	96°01.7'
18	24°24.5'	21°34.6'	55°43.9'	24°35.3'	95°41.5'	116°35.9'	96°21.4'
19	25°01.2'	21°01.4'	55°07.2'	24°05.5'	95°06.4'	117°09.9'	96°41.2'
20	25°37.8'	20°28.4'	54°30.6'	23°36.1'	94°31.3'	117°43.8'	97°00.8'
21	26°14.5'	19°55.6'	53°53.9'	23°07.0'	93°56.3'	118°17.6'	97°20.5'
22	26°51.1'	19°23.1'	53°17.3'	22°38.2'	93°21.3'	118°51.4'	97°40.0'
23	27°27.7'	18°50.8'	52°40.7'	22°09.8'	92°46.3'	119°25.1'	97°59.6'

Wed Nov 8, 2017 UTC

UTC	+Aldebaran Lunar Dist.	-Regulus Lunar Dist.	-Pollux Lunar Dist.	-Mars Lunar Dist.	-Spica Lunar Dist.	-Procyon Lunar Dist.	+Formalhaut Lunar Dist.
0	28°04.3'	52°04.1'	18°18.8'	92°11.3'	105°48.0'	21°41.9'	119°58.8'
1	28°40.8'	51°27.5'	17°47.2'	91°36.3'	105°11.7'	21°14.3'	120°32.4'
2	29°17.3'	50°51.0'	17°15.8'	91°01.4'	104°35.4'	20°47.3'	121°06.0'
3	29°53.8'	50°14.5'	16°44.8'	90°26.5'	103°59.2'	20°20.7'	121°39.5'
4	30°30.3'	49°38.0'	16°14.3'	89°51.7'	103°22.9'	19°54.6'	122°12.9'
5	31°06.7'	49°01.5'	15°44.1'	89°16.8'	102°46.7'	19°29.1'	122°46.3'
6	31°43.2'	48°25.1'	15°14.4'	88°42.0'	102°10.6'	19°04.2'	123°19.6'
7	32°19.5'	47°48.7'	14°45.2'	88°07.2'	101°34.4'	18°39.9'	123°52.9'
8	32°55.9'	47°12.3'	14°16.6'	87°32.5'	100°58.3'	18°16.3'	124°26.1'
9	33°32.2'	46°36.0'	13°48.6'	86°57.7'	100°22.2'	17°53.4'	124°59.2'
10	34°08.5'	45°59.7'	13°21.3'	86°23.0'	99°46.1'	17°31.2'	125°32.2'
11	34°44.8'	45°23.4'	–	85°48.4'	99°10.1'	–	126°05.2'
12	35°21.1'	44°47.1'	–	85°13.7'	98°34.1'	–	126°38.1'
13	35°57.3'	44°10.9'	–	84°39.1'	97°58.1'	–	127°10.9'
14	36°33.5'	43°34.7'	–	84°04.5'	97°22.1'	–	127°43.6'
15	37°09.7'	42°58.5'	–	83°30.0'	96°46.2'	–	128°16.2'
16	37°45.8'	42°22.4'	–	82°55.4'	96°10.3'	–	128°48.8'
17	38°21.9'	41°46.3'	–	82°21.0'	95°34.4'	–	129°21.3'
18	38°58.0'	41°10.2'	–	81°46.5'	94°58.6'	–	129°53.7'
19	39°34.0'	40°34.2'	–	81°12.1'	94°22.8'	–	130°26.0'
20	40°10.0'	39°58.1'	–	80°37.6'	93°47.0'	–	130°58.2'
21	40°46.0'	39°22.1'	–	80°03.3'	93°11.2'	–	131°30.4'
22	41°22.0'	38°46.2'	–	79°28.9'	92°35.5'	–	132°02.4'
23	41°57.9'	38°10.3'	–	78°54.6'	91°59.8'	–	132°34.3'

Thu Nov 9, 2017 UTC

UTC	–Sun Lunar Dist.	–Regulus Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	–Spica Lunar Dist.	–Mars Lunar Dist.	+Rigel Lunar Dist.
0	114°09.4'	37°34.4'	42°33.8'	26°58.3'	91°24.1'	78°20.3'	44°11.1'
1	113°36.2'	36°58.5'	43°09.6'	27°30.2'	90°48.5'	77°46.1'	44°38.6'
2	113°03.0'	36°22.7'	43°45.5'	28°02.2'	90°12.9'	77°11.9'	45°06.3'
3	112°29.9'	35°46.9'	44°21.3'	28°34.3'	89°37.3'	76°37.7'	45°34.1'
4	111°56.8'	35°11.1'	44°57.0'	29°06.5'	89°01.8'	76°03.5'	46°02.0'
5	111°23.7'	34°35.4'	45°32.8'	29°38.8'	88°26.3'	75°29.4'	46°30.1'
6	110°50.7'	33°59.7'	46°08.5'	30°11.2'	87°50.8'	74°55.3'	46°58.2'
7	110°17.7'	33°24.0'	46°44.1'	30°43.7'	87°15.4'	74°21.3'	47°26.5'
8	109°44.7'	32°48.4'	47°19.8'	31°16.2'	86°40.0'	73°47.3'	47°54.8'
9	109°11.8'	32°12.7'	47°55.4'	31°48.9'	86°04.6'	73°13.3'	48°23.3'
10	108°38.8'	31°37.2'	48°31.0'	32°21.6'	85°29.3'	72°39.3'	48°51.8'
11	108°06.0'	31°01.6'	49°06.5'	32°54.3'	84°54.0'	72°05.4'	49°20.4'
12	107°33.1'	30°26.1'	49°42.0'	33°27.1'	84°18.7'	71°31.5'	49°49.1'
13	107°00.3'	29°50.6'	50°17.5'	33°60.0'	83°43.5'	70°57.7'	50°17.9'
14	106°27.5'	29°15.2'	50°52.9'	34°32.9'	83°08.2'	70°23.8'	50°46.8'
15	105°54.8'	28°39.8'	51°28.3'	35°05.8'	82°33.1'	69°50.0'	51°15.7'
16	105°22.0'	28°04.4'	52°03.7'	35°38.8'	81°57.9'	69°16.3'	51°44.7'
17	104°49.3'	27°29.1'	52°39.0'	36°11.8'	81°22.8'	68°42.6'	52°13.8'
18	104°16.7'	26°53.8'	53°14.3'	36°44.8'	80°47.7'	68°08.9'	52°43.0'
19	103°44.1'	26°18.5'	53°49.6'	37°17.9'	80°12.7'	67°35.2'	53°12.2'
20	103°11.5'	25°43.3'	54°24.9'	37°51.0'	79°37.7'	67°01.6'	53°41.4'
21	102°38.9'	25°08.1'	55°00.1'	38°24.1'	79°02.7'	66°28.0'	54°10.7'
22	102°06.4'	24°32.9'	55°35.2'	38°57.3'	78°27.8'	65°54.5'	54°40.1'
23	101°33.9'	23°57.8'	56°10.4'	39°30.4'	77°52.9'	65°21.0'	55°09.5'

Fri Nov 10, 2017 UTC

UTC	–Sun Lunar Dist.	–Regulus Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	+Pollux Lunar Dist.	–Spica Lunar Dist.	–Mars Lunar Dist.
0	101°01.4'	23°22.6'	56°45.5'	40°03.6'	15°23.9'	77°18.0'	64°47.5'
1	100°29.0'	22°47.6'	57°20.6'	40°36.8'	15°52.7'	76°43.2'	64°14.0'
2	99°56.6'	22°12.5'	57°55.6'	41°10.0'	16°21.8'	76°08.4'	63°40.6'
3	99°24.3'	21°37.5'	58°30.6'	41°43.2'	16°51.2'	75°33.6'	63°07.2'
4	98°51.9'	21°02.6'	59°05.6'	42°16.4'	17°21.0'	74°58.9'	62°33.9'
5	98°19.6'	20°27.6'	59°40.5'	42°49.6'	17°51.0'	74°24.2'	62°00.6'
6	97°47.4'	19°52.7'	60°15.4'	43°22.9'	18°21.2'	73°49.6'	61°27.3'
7	97°15.2'	19°17.9'	60°50.3'	43°56.1'	18°51.8'	73°14.9'	60°54.1'
8	96°43.0'	18°43.0'	61°25.1'	44°29.3'	19°22.5'	72°40.3'	60°20.8'
9	96°10.8'	18°08.2'	61°59.9'	45°02.6'	19°53.4'	72°05.8'	59°47.7'
10	95°38.7'	17°33.5'	62°34.7'	45°35.8'	20°24.4'	71°31.3'	59°14.5'
11	95°06.6'	16°58.8'	63°09.4'	46°09.0'	20°55.6'	70°56.8'	58°41.4'
12	94°34.5'	16°24.1'	63°44.1'	46°42.2'	21°27.0'	70°22.3'	58°08.4'
13	94°02.5'	15°49.4'	64°18.8'	47°15.4'	21°58.5'	69°47.9'	57°35.3'
14	93°30.5'	15°14.8'	64°53.4'	47°48.7'	22°30.1'	69°13.5'	57°02.3'
15	92°58.6'	14°40.2'	65°28.0'	48°21.9'	23°01.8'	68°39.2'	56°29.4'
16	92°26.6'	14°05.6'	66°02.6'	48°55.1'	23°33.7'	68°04.9'	55°56.4'
17	91°54.7'	13°31.1'	66°37.1'	49°28.2'	24°05.6'	67°30.6'	55°23.5'
18	91°22.9'	12°56.6'	67°11.6'	50°01.4'	24°37.5'	66°56.4'	54°50.7'
19	90°51.1'	12°22.2'	67°46.1'	50°34.6'	25°09.6'	66°22.2'	54°17.8'
20	90°19.3'	11°47.8'	68°20.5'	51°07.8'	25°41.7'	65°48.0'	53°45.0'
21	89°47.5'	11°13.4'	68°54.9'	51°40.9'	26°13.9'	65°13.9'	53°12.3'
22	89°15.8'	10°39.0'	69°29.3'	52°14.0'	26°46.2'	64°39.8'	52°39.5'
23	88°44.1'	10°04.7'	70°03.6'	52°47.1'	27°18.4'	64°05.7'	52°06.9'

Sat Nov 11, 2017 UTC

UTC	−Sun Lunar Dist.	−Regulus Lunar Dist.	+Pollux Lunar Dist.	+Betelgeuse Lunar Dist.	−Spica Lunar Dist.	−Mars Lunar Dist.	+Aldebaran Lunar Dist.
0	88°12.4'	9°30.5'	27°50.8'	53°20.3'	63°31.7'	51°34.2'	70°37.9'
1	87°40.8'	8°56.2'	28°23.1'	53°53.3'	62°57.7'	51°01.6'	71°12.2'
2	87°09.2'	8°22.0'	28°55.6'	54°26.4'	62°23.8'	50°29.0'	71°46.4'
3	86°37.7'	7°47.9'	29°28.0'	54°59.5'	61°49.9'	49°56.4'	72°20.7'
4	86°06.1'	7°13.8'	30°00.5'	55°32.5'	61°16.0'	49°23.9'	72°54.8'
5	85°34.6'	6°39.7'	30°33.0'	56°05.5'	60°42.1'	48°51.4'	73°29.0'
6	85°03.2'	6°05.7'	31°05.5'	56°38.6'	60°08.3'	48°19.0'	74°03.1'
7	84°31.7'	5°31.7'	31°38.0'	57°11.5'	59°34.6'	47°46.5'	74°37.1'
8	84°00.3'	4°57.7'	32°10.6'	57°44.5'	59°00.8'	47°14.1'	75°11.2'
9	83°29.0'	4°23.9'	32°43.1'	58°17.5'	58°27.1'	46°41.8'	75°45.2'
10	82°57.7'	3°50.1'	33°15.7'	58°50.4'	57°53.5'	46°09.5'	76°19.2'
11	82°26.4'	3°16.4'	33°48.3'	59°23.3'	57°19.8'	45°37.2'	76°53.1'
12	81°55.1'	2°42.8'	34°20.9'	59°56.2'	56°46.2'	45°04.9'	77°27.0'
13	81°23.9'	2°09.5'	34°53.5'	60°29.1'	56°12.7'	44°32.7'	78°00.9'
14	80°52.6'	–	35°26.1'	61°02.0'	55°39.1'	44°00.5'	78°34.7'
15	80°21.5'	–	35°58.7'	61°34.8'	55°05.7'	43°28.4'	79°08.6'
16	79°50.3'	–	36°31.3'	62°07.6'	54°32.2'	42°56.3'	79°42.3'
17	79°19.2'	–	37°03.9'	62°40.4'	53°58.8'	42°24.2'	80°16.1'
18	78°48.2'	–	37°36.5'	63°13.2'	53°25.4'	41°52.1'	80°49.8'
19	78°17.1'	–	38°09.1'	63°46.0'	52°52.1'	41°20.1'	81°23.5'
20	77°46.1'	1°52.4'	38°41.7'	64°18.7'	52°18.8'	40°48.1'	81°57.2'
21	77°15.1'	2°25.3'	39°14.3'	64°51.4'	51°45.5'	40°16.2'	82°30.8'
22	76°44.2'	2°58.5'	39°46.9'	65°24.1'	51°12.3'	39°44.3'	83°04.4'
23	76°13.3'	3°31.8'	40°19.5'	65°56.8'	50°39.1'	39°12.4'	83°37.9'

Sun Nov 12, 2017 UTC

UTC	−Sun Lunar Dist.	+Regulus Lunar Dist.	+Pollux Lunar Dist.	−Spica Lunar Dist.	−Mars Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.
0	75°42.4'	4°05.1'	40°52.1'	50°05.9'	38°40.5'	41°20.9'	66°29.4'
1	75°11.5'	4°38.4'	41°24.7'	49°32.8'	38°08.7'	41°52.2'	67°02.0'
2	74°40.7'	5°11.8'	41°57.2'	48°59.7'	37°36.9'	42°23.4'	67°34.6'
3	74°09.9'	5°45.1'	42°29.8'	48°26.6'	37°05.2'	42°54.7'	68°07.2'
4	73°39.1'	6°18.5'	43°02.3'	47°53.6'	36°33.4'	43°25.9'	68°39.8'
5	73°08.4'	6°51.8'	43°34.8'	47°20.6'	36°01.8'	43°57.2'	69°12.3'
6	72°37.7'	7°25.1'	44°07.3'	46°47.7'	35°30.1'	44°28.5'	69°44.8'
7	72°07.0'	7°58.3'	44°39.8'	46°14.8'	34°58.5'	44°59.8'	70°17.3'
8	71°36.4'	8°31.6'	45°12.3'	45°41.9'	34°26.9'	45°31.2'	70°49.8'
9	71°05.8'	9°04.8'	45°44.8'	45°09.1'	33°55.3'	46°02.5'	71°22.2'
10	70°35.2'	9°38.0'	46°17.3'	44°36.3'	33°23.8'	46°33.8'	71°54.6'
11	70°04.6'	10°11.2'	46°49.7'	44°03.5'	32°52.3'	47°05.2'	72°27.0'
12	69°34.1'	10°44.3'	47°22.1'	43°30.8'	32°20.9'	47°36.5'	72°59.4'
13	69°03.6'	11°17.5'	47°54.6'	42°58.1'	31°49.5'	48°07.9'	73°31.7'
14	68°33.2'	11°50.6'	48°27.0'	42°25.5'	31°18.1'	48°39.2'	74°04.1'
15	68°02.7'	12°23.6'	48°59.3'	41°52.9'	30°46.7'	49°10.6'	74°36.4'
16	67°32.3'	12°56.7'	49°31.7'	41°20.3'	30°15.4'	49°42.0'	75°08.6'
17	67°02.0'	13°29.7'	50°04.1'	40°47.8'	29°44.1'	50°13.3'	75°40.9'
18	66°31.6'	14°02.7'	50°36.4'	40°15.3'	29°12.8'	50°44.7'	76°13.1'
19	66°01.3'	14°35.7'	51°08.7'	39°42.8'	28°41.6'	51°16.0'	76°45.3'
20	65°31.0'	15°08.6'	51°41.0'	39°10.4'	28°10.4'	51°47.4'	77°17.5'
21	65°00.8'	15°41.5'	52°13.3'	38°38.0'	27°39.3'	52°18.7'	77°49.6'
22	64°30.5'	16°14.4'	52°45.6'	38°05.7'	27°08.2'	52°50.1'	78°21.8'
23	64°00.3'	16°47.2'	53°17.8'	37°33.4'	26°37.1'	53°21.4'	78°53.9'

Mon Nov 13, 2017 UTC

UTC	−Sun Lunar Dist.	+Regulus Lunar Dist.	−Spica Lunar Dist.	−Mars Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.
0	63°30.2'	17°20.1'	37°01.2'	26°06.0'	53°50.0'	53°52.7'	79°26.0'
1	63°00.0'	17°52.9'	36°29.0'	25°35.0'	54°22.3'	54°24.1'	79°58.0'
2	62°29.9'	18°25.7'	35°56.8'	25°04.1'	54°54.5'	54°55.4'	80°30.1'
3	61°59.8'	18°58.4'	35°24.7'	24°33.1'	55°26.6'	55°26.7'	81°02.1'
4	61°29.8'	19°31.1'	34°52.6'	24°02.2'	55°58.8'	55°58.0'	81°34.1'
5	60°59.7'	20°03.8'	34°20.6'	23°31.3'	56°30.9'	56°29.3'	82°06.0'
6	60°29.7'	20°36.5'	33°48.6'	23°00.5'	57°03.0'	57°00.6'	82°38.0'
7	59°59.8'	21°09.1'	33°16.6'	22°29.7'	57°35.1'	57°31.9'	83°09.9'
8	59°29.8'	21°41.8'	32°44.7'	21°59.0'	58°07.2'	58°03.2'	83°41.8'
9	58°59.9'	22°14.4'	32°12.9'	21°28.3'	58°39.3'	58°34.4'	84°13.6'
10	58°30.0'	22°46.9'	31°41.1'	20°57.6'	59°11.3'	59°05.7'	84°45.5'
11	58°00.1'	23°19.5'	31°09.3'	20°27.0'	59°43.3'	59°37.0'	85°17.3'
12	57°30.3'	23°52.0'	30°37.6'	19°56.4'	60°15.3'	60°08.2'	85°49.1'
13	57°00.5'	24°24.5'	30°06.0'	19°25.8'	60°47.3'	60°39.4'	86°20.9'
14	56°30.7'	24°56.9'	29°34.4'	18°55.3'	61°19.3'	61°10.6'	86°52.6'
15	56°01.0'	25°29.4'	29°02.8'	18°24.9'	61°51.2'	61°41.8'	87°24.3'
16	55°31.2'	26°01.8'	28°31.4'	17°54.5'	62°23.1'	62°13.0'	87°56.0'
17	55°01.5'	26°34.2'	27°59.9'	17°24.1'	62°55.0'	62°44.2'	88°27.7'
18	54°31.9'	27°06.6'	27°28.5'	16°53.8'	63°26.9'	63°15.4'	88°59.4'
19	54°02.2'	27°38.9'	26°57.2'	16°23.6'	63°58.8'	63°46.5'	89°31.0'
20	53°32.6'	28°11.2'	26°26.0'	15°53.4'	64°30.6'	64°17.6'	90°02.6'
21	53°03.0'	28°43.5'	25°54.8'	15°23.2'	65°02.5'	64°48.8'	90°34.2'
22	52°33.4'	29°15.8'	25°23.7'	14°53.2'	65°34.3'	65°19.9'	91°05.7'
23	52°03.9'	29°48.0'	24°52.6'	14°23.1'	66°06.0'	65°51.0'	91°37.3'

Tue Nov 14, 2017 UTC

UTC	−Sun Lunar Dist.	+Regulus Lunar Dist.	−Spica Lunar Dist.	−Mars Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.
0	51°34.4'	30°20.3'	24°21.6'	13°53.2'	66°37.8'	66°22.1'	92°08.8'
1	51°04.9'	30°52.5'	23°50.7'	13°23.4'	67°09.6'	66°53.1'	92°40.3'
2	50°35.4'	31°24.6'	23°19.9'	12°53.6'	67°41.3'	67°24.2'	93°11.7'
3	50°06.0'	31°56.8'	22°49.1'	12°23.9'	68°13.0'	67°55.2'	93°43.1'
4	49°36.6'	32°28.9'	22°18.5'	11°54.3'	68°44.7'	68°26.3'	94°14.6'
5	49°07.2'	33°01.0'	21°47.9'	11°24.8'	69°16.3'	68°57.3'	94°45.9'
6	48°37.8'	33°33.1'	21°17.4'	10°55.5'	69°48.0'	69°28.3'	95°17.3'
7	48°08.5'	34°05.1'	20°47.0'	10°26.2'	70°19.6'	69°59.2'	95°48.6'
8	47°39.2'	34°37.2'	20°16.8'	9°57.1'	70°51.2'	70°30.2'	96°20.0'
9	47°09.9'	35°09.2'	19°46.6'	9°28.2'	71°22.8'	71°01.2'	96°51.2'
10	46°40.7'	35°41.2'	19°16.5'	8°59.5'	71°54.4'	71°32.1'	97°22.5'
11	46°11.4'	36°13.1'	18°46.6'	8°30.9'	72°25.9'	72°03.0'	97°53.8'
12	45°42.2'	36°45.1'	18°16.8'	8°02.6'	72°57.4'	72°33.9'	98°25.0'
13	45°13.1'	37°17.0'	17°47.2'	7°34.6'	73°28.9'	73°04.8'	98°56.2'
14	44°43.9'	37°48.9'	17°17.6'	7°07.0'	74°00.4'	73°35.7'	99°27.3'
15	44°14.8'	38°20.8'	16°48.3'	6°39.7'	74°31.9'	74°06.6'	99°58.5'
16	43°45.7'	38°52.6'	16°19.1'	6°13.0'	75°03.3'	74°37.4'	100°29.6'
17	43°16.6'	39°24.5'	15°50.1'	5°46.8'	75°34.8'	75°08.2'	101°00.7'
18	42°47.6'	39°56.3'	15°21.4'	−	76°06.2'	75°39.0'	101°31.8'
19	42°18.6'	40°28.1'	14°52.8'	−	76°37.6'	76°09.8'	102°02.8'
20	41°49.6'	40°59.8'	14°24.5'	−	77°08.9'	76°40.6'	102°33.9'
21	41°20.6'	41°31.6'	13°56.4'	−	77°40.3'	77°11.4'	103°04.9'
22	40°51.7'	42°03.3'	13°28.6'	−	78°11.6'	77°42.1'	103°35.8'
23	40°22.7'	42°35.0'	13°01.2'	−	78°42.9'	78°12.8'	104°06.8'

Wed Nov 15, 2017 UTC

UTC	+Regulus Lunar Dist.	–Spica Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Capella Lunar Dist.	+Sirius Lunar Dist.
0	43°06.7'	12°34.1'	79°14.2'	78°43.5'	104°37.7'	107°33.4'	91°36.4'
1	43°38.4'	12°07.3'	79°45.5'	79°14.2'	105°08.6'	108°01.2'	92°01.8'
2	44°10.0'	11°41.0'	80°16.7'	79°44.9'	105°39.5'	108°28.9'	92°27.2'
3	44°41.6'	11°15.2'	80°48.0'	80°15.6'	106°10.4'	108°56.7'	92°52.6'
4	45°13.2'	10°49.8'	81°19.2'	80°46.2'	106°41.2'	109°24.4'	93°17.9'
5	45°44.8'	10°25.1'	81°50.4'	81°16.8'	107°12.0'	109°52.0'	93°43.2'
6	46°16.4'	10°01.0'	82°21.6'	81°47.4'	107°42.8'	110°19.6'	94°08.5'
7	46°47.9'	–	82°52.7'	82°18.0'	108°13.6'	110°47.2'	94°33.8'
8	47°19.4'	–	83°23.8'	82°48.6'	108°44.3'	111°14.7'	94°59.1'
9	47°50.9'	–	83°55.0'	83°19.1'	109°15.0'	111°42.2'	95°24.3'
10	48°22.4'	–	84°26.1'	83°49.7'	109°45.7'	112°09.6'	95°49.5'
11	48°53.8'	–	84°57.1'	84°20.2'	110°16.4'	112°37.0'	96°14.7'
12	49°25.3'	–	85°28.2'	84°50.7'	110°47.0'	113°04.4'	96°39.8'
13	49°56.7'	–	85°59.2'	85°21.2'	111°17.6'	113°31.7'	97°05.0'
14	50°28.1'	–	86°30.3'	85°51.6'	111°48.2'	113°58.9'	97°30.0'
15	50°59.5'	–	87°01.3'	86°22.1'	112°18.8'	114°26.1'	97°55.1'
16	51°30.8'	–	87°32.3'	86°52.5'	112°49.3'	114°53.3'	98°20.1'
17	52°02.2'	–	88°03.2'	87°22.9'	113°19.8'	115°20.4'	98°45.1'
18	52°33.5'	–	88°34.2'	87°53.3'	113°50.3'	115°47.4'	99°10.1'
19	53°04.8'	–	89°05.1'	88°23.7'	114°20.8'	116°14.4'	99°35.1'
20	53°36.1'	–	89°36.0'	88°54.0'	114°51.2'	116°41.4'	99°60.0'
21	54°07.3'	–	90°06.9'	89°24.4'	115°21.6'	117°08.3'	100°24.8'
22	54°38.6'	–	90°37.8'	89°54.7'	115°52.0'	117°35.1'	100°49.7'
23	55°09.8'	–	91°08.6'	90°25.0'	116°22.3'	118°01.9'	101°14.5'

Thu Nov 16, 2017 UTC

UTC	–Jupiter Lunar Dist.	+Mars Lunar Dist.	+Regulus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Capella Lunar Dist.
0	12°43.8'	10°56.4'	55°41.0'	91°39.5'	90°55.3'	116°52.7'	118°28.6'
1	12°14.7'	11°24.9'	56°12.2'	92°10.3'	91°25.6'	117°23.0'	118°55.3'
2	11°45.8'	11°53.4'	56°43.4'	92°41.1'	91°55.8'	117°53.3'	119°21.9'
3	11°17.0'	12°22.1'	57°14.5'	93°11.9'	92°26.0'	118°23.5'	119°48.5'
4	10°48.4'	12°50.8'	57°45.7'	93°42.6'	92°56.2'	118°53.7'	120°15.0'
5	10°20.0'	13°19.5'	58°16.8'	94°13.4'	93°26.4'	119°23.9'	120°41.4'
6	9°51.8'	13°48.3'	58°47.9'	94°44.1'	93°56.6'	119°54.1'	121°07.8'
7	9°23.9'	14°17.1'	59°19.0'	95°14.8'	94°26.8'	120°24.3'	121°34.1'
8	8°56.3'	14°45.9'	59°50.0'	95°45.5'	94°56.9'	120°54.4'	122°00.3'
9	8°29.0'	15°14.8'	60°21.1'	96°16.2'	95°27.0'	121°24.5'	122°26.5'
10	8°02.1'	15°43.6'	60°52.1'	96°46.8'	95°57.1'	121°54.5'	122°52.6'
11	7°35.7'	16°12.5'	61°23.1'	97°17.5'	96°27.2'	122°24.6'	123°18.7'
12	7°09.9'	16°41.4'	61°54.1'	97°48.1'	96°57.2'	122°54.6'	123°44.7'
13	6°44.7'	17°10.4'	62°25.0'	98°18.7'	97°27.3'	123°24.5'	124°10.6'
14	–	17°39.3'	62°56.0'	98°49.3'	97°57.3'	123°54.5'	124°36.4'
15	–	18°08.2'	63°26.9'	99°19.8'	98°27.3'	124°24.4'	125°02.2'
16	–	18°37.1'	63°57.9'	99°50.4'	98°57.3'	124°54.3'	125°27.8'
17	–	19°06.1'	64°28.8'	100°20.9'	99°27.2'	125°24.2'	125°53.5'
18	–	19°35.0'	64°59.6'	100°51.4'	99°57.2'	125°54.0'	126°19.0'
19	–	20°04.0'	65°30.5'	101°21.9'	100°27.1'	126°23.8'	126°44.5'
20	–	20°32.9'	66°01.4'	101°52.4'	100°57.0'	126°53.6'	127°09.8'
21	–	21°01.8'	66°32.2'	102°22.8'	101°26.9'	127°23.3'	127°35.1'
22	–	21°30.8'	67°03.0'	102°53.2'	101°56.8'	127°53.0'	128°00.3'
23	–	21°59.7'	67°33.8'	103°23.7'	102°26.6'	128°22.7'	128°25.5'

Fri Nov 17, 2017 UTC

UTC	+Mars Lunar Dist.	+Spica Lunar Dist.	+Regulus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Sirius Lunar Dist.
0	22°28.6'	15°38.8'	68°04.6'	103°54.1'	102°56.4'	111°20.8'
1	22°57.5'	16°06.7'	68°35.4'	104°24.4'	103°26.2'	111°44.4'
2	23°26.5'	16°34.8'	69°06.1'	104°54.8'	103°56.0'	112°07.9'
3	23°55.4'	17°03.0'	69°36.9'	105°25.1'	104°25.8'	112°31.4'
4	24°24.3'	17°31.4'	70°07.6'	105°55.5'	104°55.5'	112°54.8'
5	24°53.2'	17°59.8'	70°38.3'	106°25.8'	105°25.2'	113°18.2'
6	25°22.0'	18°28.4'	71°09.0'	106°56.1'	105°54.9'	113°41.5'
7	25°50.9'	18°57.0'	71°39.6'	107°26.3'	106°24.6'	114°04.7'
8	26°19.8'	19°25.8'	72°10.3'	107°56.6'	106°54.3'	114°27.9'
9	26°48.7'	19°54.6'	72°40.9'	108°26.8'	107°23.9'	114°51.0'
10	27°17.5'	20°23.4'	73°11.5'	108°57.1'	107°53.5'	115°14.0'
11	27°46.3'	20°52.4'	73°42.2'	109°27.3'	108°23.1'	115°37.0'
12	28°15.2'	21°21.4'	74°12.7'	109°57.4'	108°52.7'	115°59.9'
13	28°44.0'	21°50.4'	74°43.3'	110°27.6'	109°22.3'	116°22.8'
14	29°12.8'	22°19.6'	75°13.9'	110°57.7'	109°51.8'	116°45.5'
15	29°41.6'	22°48.7'	75°44.4'	111°27.9'	110°21.3'	117°08.2'
16	30°10.4'	23°17.9'	76°14.9'	111°58.0'	110°50.8'	117°30.8'
17	30°39.2'	23°47.1'	76°45.5'	112°28.1'	111°20.3'	117°53.4'
18	31°07.9'	24°16.4'	77°16.0'	112°58.1'	111°49.7'	118°15.8'
19	31°36.7'	24°45.7'	77°46.4'	113°28.2'	112°19.1'	118°38.2'
20	32°05.5'	25°15.0'	78°16.9'	113°58.2'	112°48.5'	119°00.5'
21	32°34.2'	25°44.4'	78°47.4'	114°28.3'	113°17.9'	119°22.7'
22	33°02.9'	26°13.7'	79°17.8'	114°58.3'	113°47.3'	119°44.9'
23	33°31.6'	26°43.1'	79°48.2'	115°28.2'	114°16.6'	120°06.9'

Mon Nov 20, 2017 UTC

UTC	-Saturn Lunar Dist.	-Formalhaut Lunar Dist.	-Altair Lunar Dist.
0	12°30.2'	81°57.3'	51°15.3'
1	12°01.5'	81°29.3'	50°51.5'
2	11°33.0'	81°01.3'	50°27.7'
3	11°04.6'	80°33.3'	50°04.0'
4	10°36.2'	80°05.3'	49°40.4'
5	10°08.0'	79°37.4'	49°16.9'
6	9°39.9'	79°09.4'	48°53.5'
7	9°12.0'	78°41.5'	48°30.2'
8	8°44.2'	78°13.6'	48°06.9'
9	8°16.6'	77°45.7'	47°43.8'
10	7°49.3'	77°17.8'	47°20.8'
11	7°22.2'	76°49.9'	46°57.9'
12	6°55.5'	76°22.1'	46°35.0'
13	6°29.2'	75°54.2'	46°12.3'
14	6°03.3'	75°26.4'	45°49.7'
15	5°38.1'	74°58.6'	45°27.2'
16	–	74°30.8'	45°04.8'
17	–	74°03.0'	44°42.6'
18	–	73°35.3'	44°20.4'
19	–	73°07.5'	43°58.4'
20	–	72°39.8'	43°36.5'
21	–	72°12.1'	43°14.7'
22	–	71°44.4'	42°53.1'
23	–	71°16.7'	42°31.6'

Tue Nov 21, 2017 UTC

UTC	−Formalhaut Lunar Dist.	−Altair Lunar Dist.
0	70°49.0′	42°10.2′
1	70°21.4′	41°48.9′
2	69°53.8′	41°27.9′
3	69°26.1′	41°06.9′
4	68°58.5′	40°46.1′
5	68°31.0′	40°25.5′
6	68°03.4′	40°05.0′
7	67°35.9′	39°44.7′
8	67°08.3′	39°24.6′
9	66°40.8′	39°04.6′
10	66°13.4′	38°44.8′
11	65°45.9′	38°25.2′
12	65°18.4′	38°05.7′
13	64°51.0′	37°46.5′
14	64°23.6′	37°27.4′
15	63°56.2′	37°08.6′
16	63°28.9′	36°49.9′
17	63°01.5′	36°31.4′
18	62°34.2′	36°13.2′
19	62°06.9′	35°55.2′
20	61°39.6′	35°37.4′
21	61°12.3′	35°19.8′
22	60°45.1′	35°02.5′
23	60°17.9′	34°45.4′

Wed Nov 22, 2017 UTC

UTC	+Saturn Lunar Dist.	−Formalhaut Lunar Dist.	−Altair Lunar Dist.	−Achernar Lunar Dist.
0	11°42.7′	59°50.7′	34°28.5′	81°30.6′
1	12°11.0′	59°23.5′	34°11.9′	81°14.9′
2	12°39.4′	58°56.4′	33°55.6′	80°59.2′
3	13°07.8′	58°29.3′	33°39.5′	80°43.5′
4	13°36.3′	58°02.2′	33°23.7′	80°27.9′
5	14°04.8′	57°35.1′	33°08.2′	80°12.3′
6	14°33.4′	57°08.1′	32°52.9′	79°56.7′
7	15°02.0′	56°41.0′	32°38.0′	79°41.2′
8	15°30.7′	56°14.0′	32°23.3′	79°25.7′
9	15°59.3′	55°47.1′	32°08.9′	79°10.2′
10	16°28.1′	55°20.1′	31°54.9′	78°54.8′
11	16°56.8′	54°53.2′	31°41.1′	78°39.4′
12	17°25.6′	54°26.4′	31°27.7′	78°24.0′
13	17°54.4′	53°59.5′	31°14.6′	78°08.7′
14	18°23.2′	53°32.7′	31°01.9′	77°53.4′
15	18°52.1′	53°05.9′	30°49.5′	77°38.1′
16	19°20.9′	52°39.1′	30°37.5′	77°22.9′
17	19°49.8′	52°12.4′	30°25.8′	77°07.8′
18	20°18.7′	51°45.7′	30°14.4′	76°52.6′
19	20°47.6′	51°19.1′	30°03.5′	76°37.5′
20	21°16.6′	50°52.5′	29°52.9′	76°22.5′
21	21°45.5′	50°25.9′	29°42.7′	76°07.5′
22	22°14.5′	49°59.3′	29°32.9′	75°52.5′
23	22°43.5′	49°32.8′	29°23.5′	75°37.6′

Thu Nov 23, 2017 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	-Formalhaut Lunar Dist.
0	49°12.1'	23°12.5'	49°06.3'
1	49°38.9'	23°41.5'	48°39.9'
2	50°05.8'	24°10.6'	48°13.5'
3	50°32.6'	24°39.6'	47°47.2'
4	50°59.5'	25°08.7'	47°20.9'
5	51°26.3'	25°37.7'	46°54.6'
6	51°53.2'	26°06.8'	46°28.4'
7	52°20.1'	26°35.9'	46°02.2'
8	52°47.0'	27°05.0'	45°36.1'
9	53°13.9'	27°34.2'	45°10.0'
10	53°40.8'	28°03.3'	44°44.0'
11	54°07.7'	28°32.4'	44°18.0'
12	54°34.6'	29°01.6'	43°52.1'
13	55°01.5'	29°30.8'	43°26.2'
14	55°28.5'	29°60.0'	43°00.4'
15	55°55.4'	30°29.2'	42°34.7'
16	56°22.4'	30°58.4'	42°09.0'
17	56°49.4'	31°27.6'	41°43.4'
18	57°16.4'	31°56.9'	41°17.8'
19	57°43.4'	32°26.1'	40°52.3'
20	58°10.4'	32°55.4'	40°26.9'
21	58°37.4'	33°24.7'	40°01.5'
22	59°04.4'	33°54.0'	39°36.3'
23	59°31.5'	34°23.3'	39°11.1'

Fri Nov 24, 2017 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	-Formalhaut Lunar Dist.
0	59°58.5'	34°52.6'	38°46.0'
1	60°25.6'	35°21.9'	38°20.9'
2	60°52.7'	35°51.3'	37°56.0'
3	61°19.7'	36°20.7'	37°31.1'
4	61°46.9'	36°50.1'	37°06.3'
5	62°14.0'	37°19.5'	36°41.7'
6	62°41.1'	37°48.9'	36°17.1'
7	63°08.3'	38°18.3'	35°52.6'
8	63°35.4'	38°47.8'	35°28.3'
9	64°02.6'	39°17.2'	35°04.0'
10	64°29.8'	39°46.7'	34°39.9'
11	64°57.0'	40°16.2'	34°15.8'
12	65°24.2'	40°45.7'	33°51.9'
13	65°51.5'	41°15.2'	33°28.2'
14	66°18.7'	41°44.8'	33°04.5'
15	66°46.0'	42°14.3'	32°41.1'
16	67°13.3'	42°43.9'	32°17.7'
17	67°40.6'	43°13.5'	31°54.5'
18	68°07.9'	43°43.2'	31°31.5'
19	68°35.3'	44°12.8'	31°08.6'
20	69°02.7'	44°42.5'	30°45.9'
21	69°30.0'	45°12.1'	30°23.3'
22	69°57.4'	45°41.8'	30°01.0'
23	70°24.9'	46°11.5'	29°38.8'

Sat Nov 25, 2017 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	−Formalhaut Lunar Dist.	−Aldebaran Lunar Dist.	−Rigel Lunar Dist.
0	70°52.3′	46°41.3′	29°16.9′	116°10.6′	118°15.5′
1	71°19.8′	47°11.0′	28°55.1′	115°40.5′	117°49.6′
2	71°47.2′	47°40.8′	28°33.6′	115°10.4′	117°23.6′
3	72°14.7′	48°10.6′	28°12.3′	114°40.2′	116°57.6′
4	72°42.3′	48°40.4′	27°51.2′	114°10.1′	116°31.5′
5	73°09.8′	49°10.3′	27°30.4′	113°39.9′	116°05.4′
6	73°37.4′	49°40.2′	27°09.8′	113°09.7′	115°39.2′
7	74°05.0′	50°10.0′	26°49.5′	112°39.4′	115°12.9′
8	74°32.6′	50°40.0′	26°29.5′	112°09.2′	114°46.6′
9	75°00.2′	51°09.9′	26°09.8′	111°38.9′	114°20.3′
10	75°27.9′	51°39.9′	25°50.3′	111°08.6′	113°53.9′
11	75°55.6′	52°09.8′	25°31.2′	110°38.3′	113°27.5′
12	76°23.3′	52°39.8′	25°12.4′	110°07.9′	113°01.0′
13	76°51.0′	53°09.9′	24°54.0′	109°37.6′	112°34.5′
14	77°18.8′	53°39.9′	24°35.9′	109°07.2′	112°07.9′
15	77°46.5′	54°10.0′	24°18.1′	108°36.7′	111°41.3′
16	78°14.3′	54°40.1′	24°00.8′	108°06.3′	111°14.6′
17	78°42.2′	55°10.3′	23°43.8′	107°35.8′	110°47.9′
18	79°10.0′	55°40.4′	23°27.3′	107°05.3′	110°21.1′
19	79°37.9′	56°10.6′	23°11.2′	106°34.8′	109°54.3′
20	80°05.8′	56°40.8′	22°55.6′	106°04.3′	109°27.4′
21	80°33.7′	57°11.1′	22°40.4′	105°33.7′	109°00.5′
22	81°01.7′	57°41.3′	22°25.7′	105°03.1′	108°33.6′
23	81°29.7′	58°11.6′	22°11.5′	104°32.5′	108°06.6′

Sun Nov 26, 2017 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	−Aldebaran Lunar Dist.	−Rigel Lunar Dist.	+Altair Lunar Dist.	−Capella Lunar Dist.
0	81°57.7′	58°41.9′	104°01.8′	107°39.5′	37°40.4′	114°19.9′
1	82°25.8′	59°12.3′	103°31.1′	107°12.5′	38°00.4′	113°53.3′
2	82°53.8′	59°42.7′	103°00.4′	106°45.3′	38°20.5′	113°26.6′
3	83°21.9′	60°13.1′	102°29.7′	106°18.2′	38°40.9′	112°59.9′
4	83°50.1′	60°43.5′	101°58.9′	105°51.0′	39°01.5′	112°33.1′
5	84°18.2′	61°14.0′	101°28.1′	105°23.7′	39°22.3′	112°06.3′
6	84°46.4′	61°44.5′	100°57.3′	104°56.4′	39°43.3′	111°39.4′
7	85°14.6′	62°15.0′	100°26.4′	104°29.1′	40°04.4′	111°12.4′
8	85°42.9′	62°45.6′	99°55.5′	104°01.7′	40°25.8′	110°45.5′
9	86°11.2′	63°16.2′	99°24.6′	103°34.3′	40°47.4′	110°18.4′
10	86°39.5′	63°46.8′	98°53.6′	103°06.8′	41°09.2′	109°51.3′
11	87°07.8′	64°17.5′	98°22.6′	102°39.3′	41°31.1′	109°24.2′
12	87°36.2′	64°48.1′	97°51.6′	102°11.7′	41°53.2′	108°57.0′
13	88°04.6′	65°18.9′	97°20.6′	101°44.1′	42°15.5′	108°29.7′
14	88°33.1′	65°49.6′	96°49.5′	101°16.5′	42°38.0′	108°02.5′
15	89°01.6′	66°20.4′	96°18.4′	100°48.8′	43°00.6′	107°35.1′
16	89°30.1′	66°51.2′	95°47.2′	100°21.1′	43°23.4′	107°07.7′
17	89°58.6′	67°22.1′	95°16.0′	99°53.4′	43°46.4′	106°40.3′
18	90°27.2′	67°53.0′	94°44.8′	99°25.6′	44°09.5′	106°12.8′
19	90°55.8′	68°23.9′	94°13.6′	98°57.7′	44°32.8′	105°45.2′
20	91°24.4′	68°54.9′	93°42.3′	98°29.8′	44°56.2′	105°17.6′
21	91°53.1′	69°25.8′	93°11.0′	98°01.9′	45°19.8′	104°50.0′
22	92°21.8′	69°56.9′	92°39.6′	97°34.0′	45°43.6′	104°22.3′
23	92°50.6′	70°27.9′	92°08.2′	97°06.0′	46°07.4′	103°54.6′

Mon Nov 27, 2017 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.	-Capella Lunar Dist.
0	93°19.4'	70°59.0'	91°36.8'	109°23.3'	46°31.5'	96°37.9'	103°26.8'
1	93°48.2'	71°30.2'	91°05.3'	108°52.6'	46°55.6'	96°09.9'	102°59.0'
2	94°17.1'	72°01.4'	90°33.8'	108°21.9'	47°19.9'	95°41.7'	102°31.1'
3	94°46.0'	72°32.6'	90°02.3'	107°51.1'	47°44.4'	95°13.6'	102°03.2'
4	95°14.9'	73°03.8'	89°30.7'	107°20.4'	48°08.9'	94°45.4'	101°35.2'
5	95°43.9'	73°35.1'	88°59.1'	106°49.5'	48°33.6'	94°17.2'	101°07.2'
6	96°12.9'	74°06.4'	88°27.5'	106°18.6'	48°58.5'	93°48.9'	100°39.1'
7	96°41.9'	74°37.8'	87°55.8'	105°47.7'	49°23.4'	93°20.6'	100°11.0'
8	97°11.0'	75°09.2'	87°24.0'	105°16.8'	49°48.5'	92°52.2'	99°42.9'
9	97°40.2'	75°40.7'	86°52.3'	104°45.8'	50°13.7'	92°23.9'	99°14.7'
10	98°09.3'	76°12.1'	86°20.5'	104°14.7'	50°39.1'	91°55.4'	98°46.4'
11	98°38.5'	76°43.7'	85°48.6'	103°43.6'	51°04.5'	91°27.0'	98°18.1'
12	99°07.8'	77°15.2'	85°16.7'	103°12.5'	51°30.1'	90°58.5'	97°49.8'
13	99°37.1'	77°46.8'	84°44.8'	102°41.3'	51°55.8'	90°29.9'	97°21.4'
14	100°06.4'	78°18.5'	84°12.8'	102°10.1'	52°21.6'	90°01.4'	96°53.0'
15	100°35.8'	78°50.2'	83°40.8'	101°38.8'	52°47.5'	89°32.8'	96°24.5'
16	101°05.2'	79°21.9'	83°08.8'	101°07.5'	53°13.5'	89°04.1'	95°56.0'
17	101°34.6'	79°53.7'	82°36.7'	100°36.2'	53°39.6'	88°35.4'	95°27.5'
18	102°04.1'	80°25.5'	82°04.5'	100°04.8'	54°05.9'	88°06.7'	94°58.9'
19	102°33.6'	80°57.3'	81°32.4'	99°33.4'	54°32.2'	87°38.0'	94°30.2'
20	103°03.2'	81°29.2'	81°00.2'	99°01.9'	54°58.7'	87°09.2'	94°01.6'
21	103°32.8'	82°01.2'	80°27.9'	98°30.4'	55°25.2'	86°40.4'	93°32.8'
22	104°02.5'	82°33.2'	79°55.6'	97°58.8'	55°51.9'	86°11.5'	93°04.1'
23	104°32.2'	83°05.2'	79°23.2'	97°27.2'	56°18.6'	85°42.6'	92°35.3'

Tue Nov 28, 2017 UTC

UTC	+Sun Lunar Dist.	-Aldebaran Lunar Dist.	+Saturn Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.	-Capella Lunar Dist.
0	105°01.9'	78°50.8'	83°37.3'	96°55.5'	56°45.5'	85°13.7'	92°06.4'
1	105°31.7'	78°18.4'	84°09.4'	96°23.8'	57°12.4'	84°44.7'	91°37.5'
2	106°01.6'	77°45.9'	84°41.5'	95°52.1'	57°39.5'	84°15.7'	91°08.6'
3	106°31.4'	77°13.4'	85°13.7'	95°20.3'	58°06.6'	83°46.7'	90°39.6'
4	107°01.3'	76°40.8'	85°46.0'	94°48.5'	58°33.9'	83°17.6'	90°10.6'
5	107°31.3'	76°08.2'	86°18.3'	94°16.6'	59°01.2'	82°48.6'	89°41.5'
6	108°01.3'	75°35.6'	86°50.6'	93°44.7'	59°28.7'	82°19.4'	89°12.4'
7	108°31.4'	75°02.9'	87°23.0'	93°12.7'	59°56.2'	81°50.3'	88°43.3'
8	109°01.5'	74°30.1'	87°55.4'	92°40.7'	60°23.8'	81°21.1'	88°14.1'
9	109°31.6'	73°57.3'	88°27.9'	92°08.6'	60°51.5'	80°51.9'	87°44.9'
10	110°01.8'	73°24.5'	89°00.4'	91°36.5'	61°19.3'	80°22.6'	87°15.7'
11	110°32.0'	72°51.6'	89°33.0'	91°04.4'	61°47.2'	79°53.3'	86°46.4'
12	111°02.3'	72°18.6'	90°05.6'	90°32.2'	62°15.2'	79°24.0'	86°17.0'
13	111°32.6'	71°45.7'	90°38.2'	89°59.9'	62°43.2'	78°54.7'	85°47.7'
14	112°03.0'	71°12.6'	91°11.0'	89°27.6'	63°11.4'	78°25.3'	85°18.3'
15	112°33.4'	70°39.6'	91°43.7'	88°55.3'	63°39.6'	77°55.9'	84°48.8'
16	113°03.9'	70°06.4'	92°16.5'	88°22.9'	64°07.9'	77°26.5'	84°19.3'
17	113°34.4'	69°33.3'	92°49.4'	87°50.5'	64°36.3'	76°57.0'	83°49.8'
18	114°05.0'	69°00.0'	93°22.3'	87°18.0'	65°04.8'	76°27.6'	83°20.3'
19	114°35.6'	68°26.8'	93°55.2'	86°45.5'	65°33.3'	75°58.1'	82°50.7'
20	115°06.2'	67°53.4'	94°28.2'	86°12.9'	66°01.9'	75°28.5'	82°21.1'
21	115°36.9'	67°20.1'	95°01.2'	85°40.3'	66°30.7'	74°59.0'	81°51.4'
22	116°07.7'	66°46.7'	95°34.3'	85°07.7'	66°59.4'	74°29.4'	81°21.7'
23	116°38.5'	66°13.2'	96°07.5'	84°35.0'	67°28.3'	73°59.8'	80°52.0'

Wed Nov 29, 2017 UTC

UTC	+Sun Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Saturn Lunar Dist.	+Formalhaut Lunar Dist.	-Rigel Lunar Dist.	+Altair Lunar Dist.
0	117°09.3'	65°39.7'	84°02.2'	96°40.7'	34°02.4'	73°30.2'	67°57.3'
1	117°40.2'	65°06.1'	83°29.4'	97°13.9'	34°29.4'	73°00.5'	68°26.3'
2	118°11.2'	64°32.5'	82°56.6'	97°47.2'	34°56.5'	72°30.8'	68°55.4'
3	118°42.1'	63°58.9'	82°23.7'	98°20.5'	35°23.8'	72°01.1'	69°24.5'
4	119°13.2'	63°25.2'	81°50.7'	98°53.9'	35°51.3'	71°31.4'	69°53.8'
5	119°44.3'	62°51.4'	81°17.7'	99°27.3'	36°19.1'	71°01.7'	70°23.1'
6	120°15.4'	62°17.6'	80°44.7'	100°00.8'	36°47.0'	70°32.0'	70°52.5'
7	120°46.6'	61°43.7'	80°11.6'	100°34.4'	37°15.1'	70°02.2'	71°22.0'
8	121°17.8'	61°09.8'	79°38.5'	101°07.9'	37°43.3'	69°32.4'	71°51.5'
9	121°49.1'	60°35.9'	79°05.3'	101°41.6'	38°11.8'	69°02.6'	72°21.1'
10	122°20.4'	60°01.8'	78°32.1'	102°15.3'	38°40.4'	68°32.8'	72°50.8'
11	122°51.8'	59°27.8'	77°58.9'	102°49.0'	39°09.1'	68°03.0'	73°20.5'
12	123°23.2'	58°53.7'	77°25.6'	103°22.8'	39°38.1'	67°33.2'	73°50.3'
13	123°54.7'	58°19.5'	76°52.2'	103°56.6'	40°07.2'	67°03.3'	74°20.2'
14	124°26.2'	57°45.3'	76°18.8'	104°30.5'	40°36.4'	66°33.5'	74°50.1'
15	124°57.8'	57°11.0'	75°45.4'	105°04.4'	41°05.8'	66°03.6'	75°20.1'
16	125°29.4'	56°36.7'	75°11.9'	105°38.4'	41°35.3'	65°33.7'	75°50.2'
17	126°01.1'	56°02.4'	74°38.3'	106°12.4'	42°05.0'	65°03.8'	76°20.3'
18	126°32.8'	55°28.0'	74°04.8'	106°46.5'	42°34.8'	64°34.0'	76°50.5'
19	127°04.5'	54°53.5'	73°31.1'	107°20.7'	43°04.8'	64°04.1'	77°20.8'
20	127°36.3'	54°19.0'	72°57.5'	107°54.9'	43°34.9'	63°34.2'	77°51.1'
21	128°08.2'	53°44.4'	72°23.7'	108°29.1'	44°05.1'	63°04.3'	78°21.5'
22	128°40.1'	53°09.8'	71°50.0'	109°03.4'	44°35.5'	62°34.4'	78°52.0'
23	129°12.1'	52°35.1'	71°16.2'	109°37.7'	45°06.0'	62°04.5'	79°22.5'

Thu Nov 30, 2017 UTC

UTC	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	-Pollux Lunar Dist.	-Procyon Lunar Dist.	-Rigel Lunar Dist.	-Capella Lunar Dist.
0	52°00.4'	70°42.3'	45°36.6'	96°05.0'	96°38.1'	61°34.6'	68°20.2'
1	51°25.6'	70°08.5'	46°07.3'	95°30.7'	96°04.4'	61°04.8'	67°49.9'
2	50°50.8'	69°34.5'	46°38.1'	94°56.3'	95°30.6'	60°34.9'	67°19.6'
3	50°16.0'	69°00.5'	47°09.1'	94°21.8'	94°56.8'	60°05.0'	66°49.2'
4	49°41.0'	68°26.5'	47°40.2'	93°47.3'	94°22.9'	59°35.2'	66°18.9'
5	49°06.1'	67°52.5'	48°11.3'	93°12.7'	93°49.0'	59°05.4'	65°48.5'
6	48°31.0'	67°18.4'	48°42.6'	92°38.1'	93°15.1'	58°35.5'	65°18.2'
7	47°56.0'	66°44.2'	49°14.0'	92°03.4'	92°41.0'	58°05.7'	64°47.8'
8	47°20.8'	66°10.0'	49°45.5'	91°28.7'	92°07.0'	57°36.0'	64°17.5'
9	46°45.7'	65°35.8'	50°17.2'	90°53.9'	91°32.8'	57°06.2'	63°47.1'
10	46°10.4'	65°01.6'	50°48.9'	90°19.1'	90°58.7'	56°36.5'	63°16.7'
11	45°35.2'	64°27.3'	51°20.7'	89°44.2'	90°24.5'	56°06.8'	62°46.4'
12	44°59.9'	63°52.9'	51°52.6'	89°09.3'	89°50.2'	55°37.1'	62°16.0'
13	44°24.5'	63°18.5'	52°24.6'	88°34.4'	89°15.9'	55°07.5'	61°45.7'
14	43°49.1'	62°44.1'	52°56.7'	87°59.3'	88°41.5'	54°37.8'	61°15.3'
15	43°13.6'	62°09.7'	53°28.9'	87°24.3'	88°07.1'	54°08.3'	60°45.0'
16	42°38.1'	61°35.2'	54°01.2'	86°49.2'	87°32.7'	53°38.7'	60°14.7'
17	42°02.5'	61°00.6'	54°33.6'	86°14.0'	86°58.2'	53°09.3'	59°44.4'
18	41°26.9'	60°26.1'	55°06.1'	85°38.8'	86°23.6'	52°39.8'	59°14.1'
19	40°51.2'	59°51.5'	55°38.7'	85°03.5'	85°49.0'	52°10.4'	58°43.9'
20	40°15.5'	59°16.9'	56°11.3'	84°28.2'	85°14.4'	51°41.1'	58°13.6'
21	39°39.7'	58°42.2'	56°44.0'	83°52.9'	84°39.7'	51°11.8'	57°43.4'
22	39°03.9'	58°07.5'	57°16.9'	83°17.5'	84°05.0'	50°42.6'	57°13.2'
23	38°28.1'	57°32.8'	57°49.8'	82°42.0'	83°30.2'	50°13.4'	56°43.1'