

## Sun Oct 1, 2017 UTC

UTC	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.	+Jupiter Lunar Dist.	+Arcturus Lunar Dist.	+Rigel Kentaurus Lunar Dist.	+Hadar Lunar Dist.
0	47°35.8'	60°04.2'	32°35.7'	101°51.4'	102°32.2'	76°22.9'	80°44.1'
1	48°06.5'	60°34.6'	32°11.9'	102°21.8'	102°59.8'	76°43.0'	81°04.0'
2	48°37.3'	61°05.1'	31°48.3'	102°52.2'	103°27.4'	77°03.1'	81°23.8'
3	49°08.1'	61°35.5'	31°24.9'	103°22.6'	103°55.1'	77°23.3'	81°43.8'
4	49°38.9'	62°06.0'	31°01.7'	103°53.1'	104°22.7'	77°43.6'	82°03.7'
5	50°09.7'	62°36.6'	30°38.6'	104°23.6'	104°50.4'	78°03.9'	82°23.7'
6	50°40.6'	63°07.1'	30°15.7'	104°54.1'	105°18.1'	78°24.3'	82°43.8'
7	51°11.5'	63°37.7'	29°53.1'	105°24.7'	105°45.7'	78°44.7'	83°03.9'
8	51°42.5'	64°08.4'	29°30.6'	105°55.2'	106°13.4'	79°05.2'	83°24.0'
9	52°13.4'	64°39.1'	29°08.4'	106°25.9'	106°41.2'	79°25.7'	83°44.2'
10	52°44.4'	65°09.8'	28°46.3'	106°56.5'	107°08.9'	79°46.3'	84°04.4'
11	53°15.5'	65°40.5'	28°24.6'	107°27.2'	107°36.6'	80°06.9'	84°24.6'
12	53°46.5'	66°11.3'	28°03.1'	107°57.9'	108°04.3'	80°27.6'	84°44.9'
13	54°17.7'	66°42.2'	27°41.8'	108°28.6'	108°32.1'	80°48.3'	85°05.3'
14	54°48.8'	67°13.0'	27°20.8'	108°59.4'	108°59.8'	81°09.1'	85°25.6'
15	55°20.0'	67°43.9'	27°00.2'	109°30.2'	109°27.6'	81°29.9'	85°46.0'
16	55°51.2'	68°14.8'	26°39.8'	110°01.1'	109°55.4'	81°50.8'	86°06.5'
17	56°22.4'	68°45.8'	26°19.7'	110°31.9'	110°23.2'	82°11.7'	86°26.9'
18	56°53.7'	69°16.8'	25°59.9'	111°02.8'	110°50.9'	82°32.7'	86°47.4'
19	57°25.0'	69°47.9'	25°40.5'	111°33.8'	111°18.7'	82°53.7'	87°07.9'
20	57°56.4'	70°19.0'	25°21.5'	112°04.8'	111°46.5'	83°14.7'	87°28.5'
21	58°27.8'	70°50.1'	25°02.8'	112°35.8'	112°14.3'	83°35.8'	87°49.1'
22	58°59.2'	71°21.2'	24°44.6'	113°06.8'	112°42.1'	83°56.9'	88°09.7'
23	59°30.6'	71°52.4'	24°26.7'	113°37.9'	113°09.9'	84°18.1'	88°30.4'

## Mon Oct 2, 2017 UTC

UTC	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Aldebaran Lunar Dist.	+Jupiter Lunar Dist.	-Rigel Lunar Dist.	+Arcturus Lunar Dist.	+Altair Lunar Dist.
0	60°02.1'	72°23.7'	107°37.9'	114°09.0'	111°03.2'	113°37.8'	35°02.9'
1	60°33.7'	72°54.9'	107°06.1'	114°40.2'	110°35.3'	114°05.6'	35°22.1'
2	61°05.2'	73°26.3'	106°34.3'	115°11.3'	110°07.3'	114°33.4'	35°41.6'
3	61°36.8'	73°57.6'	106°02.5'	115°42.6'	109°39.2'	115°01.2'	36°01.4'
4	62°08.5'	74°29.0'	105°30.7'	116°13.8'	109°11.1'	115°29.0'	36°21.5'
5	62°40.1'	75°00.4'	104°58.8'	116°45.1'	108°43.0'	115°56.8'	36°41.8'
6	63°11.9'	75°31.9'	104°26.8'	117°16.4'	108°14.8'	116°24.6'	37°02.3'
7	63°43.6'	76°03.4'	103°54.9'	117°47.8'	107°46.5'	116°52.4'	37°23.2'
8	64°15.4'	76°34.9'	103°22.9'	118°19.2'	107°18.2'	117°20.2'	37°44.2'
9	64°47.2'	77°06.5'	102°50.8'	118°50.6'	106°49.8'	117°48.0'	38°05.5'
10	65°19.1'	77°38.1'	102°18.8'	119°22.1'	106°21.4'	118°15.7'	38°27.1'
11	65°51.0'	78°09.8'	101°46.7'	119°53.6'	105°52.9'	118°43.5'	38°48.9'
12	66°22.9'	78°41.4'	101°14.5'	120°25.1'	105°24.4'	119°11.3'	39°10.9'
13	66°54.9'	79°13.2'	100°42.3'	120°56.7'	104°55.8'	119°39.0'	39°33.1'
14	67°26.9'	79°44.9'	100°10.1'	121°28.3'	104°27.2'	120°06.8'	39°55.5'
15	67°58.9'	80°16.7'	99°37.8'	121°59.9'	103°58.5'	120°34.5'	40°18.2'
16	68°31.0'	80°48.6'	99°05.5'	122°31.6'	103°29.8'	121°02.2'	40°41.0'
17	69°03.1'	81°20.5'	98°33.2'	123°03.3'	103°01.0'	121°29.9'	41°04.1'
18	69°35.3'	81°52.4'	98°00.8'	123°35.1'	102°32.2'	121°57.6'	41°27.3'
19	70°07.5'	82°24.3'	97°28.4'	124°06.9'	102°03.4'	122°25.2'	41°50.7'
20	70°39.7'	82°56.3'	96°56.0'	124°38.7'	101°34.4'	122°52.8'	42°14.4'
21	71°12.0'	83°28.4'	96°23.5'	125°10.5'	101°05.5'	123°20.4'	42°38.2'
22	71°44.3'	84°00.5'	95°51.0'	125°42.4'	100°36.5'	123°48.0'	43°02.2'
23	72°16.7'	84°32.6'	95°18.4'	126°14.4'	100°07.4'	124°15.6'	43°26.4'

Tue Oct 3, 2017 UTC

UTC	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.	-Capella Lunar Dist.
0	72°49.1'	85°04.7'	94°45.8'	112°33.1'	43°50.7'	99°38.3'	106°00.5'
1	73°21.5'	85°36.9'	94°13.2'	112°01.3'	44°15.2'	99°09.2'	105°31.8'
2	73°54.0'	86°09.1'	93°40.5'	111°29.4'	44°39.9'	98°40.0'	105°03.1'
3	74°26.5'	86°41.4'	93°07.8'	110°57.5'	45°04.8'	98°10.8'	104°34.3'
4	74°59.0'	87°13.7'	92°35.0'	110°25.5'	45°29.8'	97°41.5'	104°05.4'
5	75°31.6'	87°46.1'	92°02.2'	109°53.5'	45°54.9'	97°12.2'	103°36.5'
6	76°04.2'	88°18.4'	91°29.4'	109°21.5'	46°20.3'	96°42.8'	103°07.6'
7	76°36.9'	88°50.9'	90°56.5'	108°49.4'	46°45.7'	96°13.4'	102°38.6'
8	77°09.6'	89°23.3'	90°23.6'	108°17.3'	47°11.3'	95°44.0'	102°09.6'
9	77°42.3'	89°55.8'	89°50.7'	107°45.1'	47°37.1'	95°14.5'	101°40.5'
10	78°15.1'	90°28.3'	89°17.7'	107°12.9'	48°03.0'	94°45.0'	101°11.3'
11	78°47.9'	91°00.9'	88°44.7'	106°40.6'	48°29.0'	94°15.4'	100°42.2'
12	79°20.7'	91°33.5'	88°11.6'	106°08.3'	48°55.2'	93°45.8'	100°12.9'
13	79°53.6'	92°06.2'	87°38.5'	105°36.0'	49°21.5'	93°16.2'	99°43.6'
14	80°26.5'	92°38.9'	87°05.4'	105°03.6'	49°47.9'	92°46.5'	99°14.3'
15	80°59.5'	93°11.6'	86°32.2'	104°31.2'	50°14.5'	92°16.8'	98°44.9'
16	81°32.5'	93°44.3'	85°59.0'	103°58.7'	50°41.2'	91°47.1'	98°15.5'
17	82°05.6'	94°17.1'	85°25.7'	103°26.2'	51°08.0'	91°17.3'	97°46.1'
18	82°38.6'	94°50.0'	84°52.4'	102°53.7'	51°35.0'	90°47.5'	97°16.6'
19	83°11.8'	95°22.8'	84°19.1'	102°21.1'	52°02.0'	90°17.6'	96°47.0'
20	83°44.9'	95°55.8'	83°45.7'	101°48.4'	52°29.2'	89°47.7'	96°17.4'
21	84°18.1'	96°28.7'	83°12.3'	101°15.8'	52°56.5'	89°17.8'	95°47.8'
22	84°51.3'	97°01.7'	82°38.9'	100°43.1'	53°23.9'	88°47.8'	95°18.1'
23	85°24.6'	97°34.7'	82°05.4'	100°10.3'	53°51.4'	88°17.8'	94°48.4'

Wed Oct 4, 2017 UTC

UTC	-Aldebaran Lunar Dist.	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.	-Capella Lunar Dist.
0	81°31.9'	85°57.9'	98°07.8'	99°37.5'	54°19.0'	87°47.8'	94°18.7'
1	80°58.3'	86°31.3'	98°40.8'	99°04.7'	54°46.7'	87°17.8'	93°48.9'
2	80°24.7'	87°04.7'	99°14.0'	98°31.8'	55°14.5'	86°47.7'	93°19.0'
3	79°51.1'	87°38.1'	99°47.1'	97°58.9'	55°42.5'	86°17.6'	92°49.2'
4	79°17.4'	88°11.5'	100°20.3'	97°26.0'	56°10.5'	85°47.4'	92°19.3'
5	78°43.7'	88°45.0'	100°53.6'	96°53.0'	56°38.6'	85°17.2'	91°49.3'
6	78°10.0'	89°18.6'	101°26.8'	96°20.0'	57°06.8'	84°47.0'	91°19.3'
7	77°36.2'	89°52.1'	102°00.1'	95°46.9'	57°35.2'	84°16.8'	90°49.3'
8	77°02.4'	90°25.7'	102°33.5'	95°13.8'	58°03.6'	83°46.6'	90°19.3'
9	76°28.5'	90°59.4'	103°06.8'	94°40.7'	58°32.1'	83°16.3'	89°49.2'
10	75°54.6'	91°33.1'	103°40.3'	94°07.5'	59°00.7'	82°46.0'	89°19.1'
11	75°20.7'	92°06.8'	104°13.7'	93°34.3'	59°29.4'	82°15.7'	88°49.0'
12	74°46.7'	92°40.5'	104°47.2'	93°01.1'	59°58.1'	81°45.3'	88°18.8'
13	74°12.7'	93°14.3'	105°20.7'	92°27.8'	60°27.0'	81°14.9'	87°48.6'
14	73°38.7'	93°48.2'	105°54.2'	91°54.5'	60°55.9'	80°44.5'	87°18.3'
15	73°04.6'	94°22.0'	106°27.8'	91°21.1'	61°25.0'	80°14.1'	86°48.1'
16	72°30.5'	94°55.9'	107°01.4'	90°47.7'	61°54.1'	79°43.7'	86°17.8'
17	71°56.3'	95°29.9'	107°35.0'	90°14.3'	62°23.2'	79°13.2'	85°47.5'
18	71°22.1'	96°03.8'	108°08.7'	89°40.9'	62°52.5'	78°42.8'	85°17.1'
19	70°47.9'	96°37.8'	108°42.4'	89°07.4'	63°21.8'	78°12.3'	84°46.8'
20	70°13.7'	97°11.9'	109°16.1'	88°33.8'	63°51.2'	77°41.7'	84°16.4'
21	69°39.4'	97°45.9'	109°49.9'	88°00.3'	64°20.7'	77°11.2'	83°45.9'
22	69°05.1'	98°20.1'	110°23.7'	87°26.7'	64°50.3'	76°40.7'	83°15.5'
23	68°30.7'	98°54.2'	110°57.5'	86°53.1'	65°19.9'	76°10.1'	82°45.0'

Thu Oct 5, 2017 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	+Saturn Lunar Dist.	+Formalhaut Lunar Dist.	+Altair Lunar Dist.	−Rigel Lunar Dist.	−Pollux Lunar Dist.
0	67°56.3'	86°19.4'	99°28.4'	32°26.6'	65°49.6'	75°39.6'	111°45.6'
1	67°21.9'	85°45.7'	100°02.6'	32°53.2'	66°19.4'	75°09.0'	111°11.6'
2	66°47.4'	85°12.0'	100°36.8'	33°20.0'	66°49.2'	74°38.4'	110°37.7'
3	66°12.9'	84°38.2'	101°11.1'	33°47.0'	67°19.1'	74°07.8'	110°03.7'
4	65°38.4'	84°04.4'	101°45.4'	34°14.3'	67°49.1'	73°37.2'	109°29.7'
5	65°03.8'	83°30.6'	102°19.8'	34°41.7'	68°19.1'	73°06.6'	108°55.6'
6	64°29.2'	82°56.8'	102°54.1'	35°09.4'	68°49.2'	72°36.0'	108°21.5'
7	63°54.6'	82°22.9'	103°28.6'	35°37.3'	69°19.4'	72°05.3'	107°47.4'
8	63°20.0'	81°49.0'	104°03.0'	36°05.4'	69°49.6'	71°34.7'	107°13.2'
9	62°45.3'	81°15.0'	104°37.5'	36°33.6'	70°19.9'	71°04.1'	106°39.0'
10	62°10.5'	80°41.1'	105°12.0'	37°02.1'	70°50.2'	70°33.5'	106°04.8'
11	61°35.8'	80°07.1'	105°46.5'	37°30.7'	71°20.6'	70°02.8'	105°30.5'
12	61°01.0'	79°33.0'	106°21.1'	37°59.5'	71°51.0'	69°32.2'	104°56.2'
13	60°26.2'	78°59.0'	106°55.7'	38°28.5'	72°21.5'	69°01.6'	104°21.8'
14	59°51.3'	78°24.9'	107°30.3'	38°57.6'	72°52.1'	68°30.9'	103°47.5'
15	59°16.4'	77°50.8'	108°05.0'	39°26.9'	73°22.7'	68°00.3'	103°13.0'
16	58°41.5'	77°16.7'	108°39.6'	39°56.3'	73°53.3'	67°29.7'	102°38.6'
17	58°06.6'	76°42.5'	109°14.4'	40°25.9'	74°24.0'	66°59.1'	102°04.1'
18	57°31.6'	76°08.3'	109°49.1'	40°55.6'	74°54.8'	66°28.5'	101°29.6'
19	56°56.6'	75°34.1'	110°23.9'	41°25.5'	75°25.6'	65°57.9'	100°55.1'
20	56°21.6'	74°59.9'	110°58.7'	41°55.5'	75°56.4'	65°27.3'	100°20.5'
21	55°46.5'	74°25.6'	111°33.5'	42°25.6'	76°27.3'	64°56.8'	99°45.9'
22	55°11.4'	73°51.4'	112°08.4'	42°55.9'	76°58.2'	64°26.2'	99°11.3'
23	54°36.3'	73°17.1'	112°43.3'	43°26.2'	77°29.2'	63°55.7'	98°36.7'

Fri Oct 6, 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	54°01.2'	72°42.7'	43°56.7'	98°02.0'	98°38.1'	63°25.2'	69°59.1'
1	53°26.0'	72°08.4'	44°27.3'	97°27.3'	98°03.9'	62°54.7'	69°28.4'
2	52°50.8'	71°34.0'	44°58.0'	96°52.5'	97°29.7'	62°24.3'	68°57.8'
3	52°15.6'	70°59.6'	45°28.9'	96°17.8'	96°55.5'	61°53.8'	68°27.1'
4	51°40.4'	70°25.2'	45°59.8'	95°43.0'	96°21.3'	61°23.4'	67°56.5'
5	51°05.1'	69°50.8'	46°30.9'	95°08.1'	95°47.0'	60°53.0'	67°25.8'
6	50°29.8'	69°16.4'	47°02.0'	94°33.3'	95°12.7'	60°22.7'	66°55.2'
7	49°54.4'	68°41.9'	47°33.2'	93°58.4'	94°38.4'	59°52.4'	66°24.6'
8	49°19.1'	68°07.4'	48°04.6'	93°23.5'	94°04.0'	59°22.1'	65°54.0'
9	48°43.7'	67°32.9'	48°36.0'	92°48.6'	93°29.7'	58°51.8'	65°23.5'
10	48°08.3'	66°58.4'	49°07.5'	92°13.7'	92°55.3'	58°21.6'	64°52.9'
11	47°32.9'	66°23.9'	49°39.1'	91°38.7'	92°20.8'	57°51.4'	64°22.4'
12	46°57.4'	65°49.3'	50°10.8'	91°03.7'	91°46.4'	57°21.3'	63°51.9'
13	46°22.0'	65°14.8'	50°42.5'	90°28.7'	91°11.9'	56°51.2'	63°21.4'
14	45°46.5'	64°40.2'	51°14.4'	89°53.6'	90°37.4'	56°21.2'	62°51.0'
15	45°11.0'	64°05.6'	51°46.3'	89°18.6'	90°02.9'	55°51.2'	62°20.6'
16	44°35.4'	63°31.0'	52°18.3'	88°43.5'	89°28.4'	55°21.3'	61°50.2'
17	43°59.9'	62°56.4'	52°50.4'	88°08.4'	88°53.8'	54°51.4'	61°19.8'
18	43°24.3'	62°21.8'	53°22.5'	87°33.2'	88°19.2'	54°21.6'	60°49.5'
19	42°48.7'	61°47.2'	53°54.7'	86°58.1'	87°44.6'	53°51.9'	60°19.3'
20	42°13.1'	61°12.5'	54°27.0'	86°22.9'	87°10.0'	53°22.2'	59°49.0'
21	41°37.4'	60°37.9'	54°59.3'	85°47.7'	86°35.4'	52°52.6'	59°18.9'
22	41°01.8'	60°03.2'	55°31.7'	85°12.5'	86°00.7'	52°23.0'	58°48.7'
23	40°26.1'	59°28.6'	56°04.2'	84°37.3'	85°26.0'	51°53.5'	58°18.6'

Sat Oct 7, 2017 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Capella Lunar Dist.	−Rigel Lunar Dist.
0	39°50.4'	58°53.9'	56°36.7'	84°02.1'	84°51.4'	57°48.6'	51°24.2'
1	39°14.7'	58°19.3'	57°09.3'	83°26.8'	84°16.7'	57°18.6'	50°54.8'
2	38°38.9'	57°44.6'	57°41.9'	82°51.5'	83°41.9'	56°48.7'	50°25.6'
3	38°03.2'	57°09.9'	58°14.6'	82°16.2'	83°07.2'	56°18.8'	49°56.5'
4	37°27.4'	56°35.2'	58°47.4'	81°40.9'	82°32.4'	55°49.0'	49°27.4'
5	36°51.6'	56°00.5'	59°20.2'	81°05.6'	81°57.7'	55°19.2'	48°58.5'
6	36°15.8'	55°25.9'	59°53.0'	80°30.3'	81°22.9'	54°49.6'	48°29.6'
7	35°40.0'	54°51.2'	60°26.0'	79°54.9'	80°48.1'	54°19.9'	48°00.9'
8	35°04.2'	54°16.5'	60°58.9'	79°19.5'	80°13.3'	53°50.4'	47°32.2'
9	34°28.3'	53°41.8'	61°31.9'	78°44.2'	79°38.5'	53°20.9'	47°03.7'
10	33°52.4'	53°07.2'	62°04.9'	78°08.8'	79°03.7'	52°51.5'	46°35.3'
11	33°16.6'	52°32.5'	62°38.0'	77°33.4'	78°28.9'	52°22.2'	46°07.0'
12	32°40.7'	51°57.8'	63°11.1'	76°57.9'	77°54.0'	51°53.0'	45°38.9'
13	32°04.8'	51°23.2'	63°44.3'	76°22.5'	77°19.2'	51°23.9'	45°10.8'
14	31°28.8'	50°48.5'	64°17.5'	75°47.1'	76°44.3'	50°54.9'	44°42.9'
15	30°52.9'	50°13.9'	64°50.8'	75°11.6'	76°09.5'	50°25.9'	44°15.2'
16	30°17.0'	49°39.3'	65°24.0'	74°36.2'	75°34.6'	49°57.1'	43°47.6'
17	29°41.0'	49°04.6'	65°57.4'	74°00.7'	74°59.7'	49°28.3'	43°20.1'
18	29°05.0'	48°30.0'	66°30.7'	73°25.2'	74°24.8'	48°59.7'	42°52.8'
19	28°29.1'	47°55.4'	67°04.1'	72°49.7'	73°49.9'	48°31.2'	42°25.7'
20	27°53.1'	47°20.9'	67°37.5'	72°14.3'	73°15.1'	48°02.8'	41°58.8'
21	27°17.1'	46°46.3'	68°11.0'	71°38.8'	72°40.2'	47°34.5'	41°32.0'
22	26°41.1'	46°11.8'	68°44.4'	71°03.3'	72°05.3'	47°06.3'	41°05.4'
23	26°05.0'	45°37.3'	69°18.0'	70°27.7'	71°30.4'	46°38.3'	40°39.0'

Sun Oct 8, 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	25°29.0'	45°02.8'	69°52.2'	70°55.5'	69°51.5'	105°36.1'	46°10.4'
1	24°53.0'	44°28.3'	69°16.7'	70°20.6'	70°25.0'	105°00.0'	45°42.6'
2	24°16.9'	43°53.9'	68°41.2'	69°45.7'	70°58.6'	104°24.0'	45°15.0'
3	23°40.9'	43°19.4'	68°05.7'	69°10.8'	71°32.2'	103°47.9'	44°47.6'
4	23°04.8'	42°45.1'	67°30.1'	68°35.9'	72°05.9'	103°11.9'	44°20.3'
5	22°28.8'	42°10.7'	66°54.6'	68°01.0'	72°39.5'	102°35.8'	43°53.1'
6	21°52.7'	41°36.4'	66°19.1'	67°26.1'	73°13.2'	101°59.7'	43°26.2'
7	21°16.6'	41°02.1'	65°43.5'	66°51.2'	73°46.9'	101°23.6'	42°59.3'
8	20°40.5'	40°27.8'	65°08.0'	66°16.4'	74°20.6'	100°47.5'	42°32.7'
9	20°04.5'	39°53.6'	64°32.4'	65°41.5'	74°54.4'	100°11.4'	42°06.3'
10	19°28.4'	39°19.5'	63°56.9'	65°06.6'	75°28.1'	99°35.3'	41°40.0'
11	18°52.3'	38°45.3'	63°21.4'	64°31.8'	76°01.9'	98°59.2'	41°14.0'
12	18°16.2'	38°11.2'	62°45.8'	63°56.9'	76°35.7'	98°23.1'	40°48.2'
13	17°40.1'	37°37.2'	62°10.3'	63°22.1'	77°09.5'	97°47.0'	40°22.5'
14	17°04.0'	37°03.2'	61°34.8'	62°47.2'	77°43.3'	97°10.9'	39°57.1'
15	16°27.9'	36°29.3'	60°59.3'	62°12.4'	78°17.2'	96°34.7'	39°31.9'
16	15°51.8'	35°55.5'	60°23.7'	61°37.6'	78°51.0'	95°58.6'	39°07.0'
17	15°15.7'	35°21.7'	59°48.2'	61°02.8'	79°24.9'	95°22.5'	38°42.3'
18	14°39.6'	34°47.9'	59°12.7'	60°28.0'	79°58.7'	94°46.3'	38°17.9'
19	14°03.5'	34°14.3'	58°37.2'	59°53.3'	80°32.6'	94°10.2'	37°53.7'
20	13°27.4'	33°40.7'	58°01.7'	59°18.5'	81°06.5'	93°34.1'	37°29.8'
21	12°51.3'	33°07.2'	57°26.2'	58°43.8'	81°40.4'	92°57.9'	37°06.1'
22	12°15.2'	32°33.7'	56°50.7'	58°09.1'	82°14.3'	92°21.8'	36°42.8'
23	11°39.1'	32°00.4'	56°15.3'	57°34.4'	82°48.2'	91°45.7'	36°19.7'

Mon Oct 9, 2017 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Regulus Lunar Dist.	+Formalhaut Lunar Dist.	−Mars Lunar Dist.
0	11°03.0′	31°27.2′	55°39.8′	56°59.7′	91°09.5′	83°22.1′	112°21.7′
1	10°26.9′	30°54.0′	55°04.4′	56°25.0′	90°33.4′	83°56.0′	111°47.1′
2	9°50.8′	30°21.0′	54°28.9′	55°50.4′	89°57.3′	84°29.9′	111°12.6′
3	9°14.8′	29°48.0′	53°53.5′	55°15.8′	89°21.1′	85°03.9′	110°38.0′
4	8°38.7′	29°15.2′	53°18.1′	54°41.2′	88°45.0′	85°37.8′	110°03.5′
5	8°02.7′	28°42.5′	52°42.7′	54°06.6′	88°08.9′	86°11.7′	109°28.9′
6	7°26.7′	28°09.9′	52°07.3′	53°32.1′	87°32.7′	86°45.6′	108°54.4′
7	6°50.7′	27°37.5′	51°31.9′	52°57.6′	86°56.6′	87°19.6′	108°19.9′
8	6°14.7′	27°05.2′	50°56.5′	52°23.1′	86°20.5′	87°53.5′	107°45.3′
9	5°38.8′	26°33.1′	50°21.2′	51°48.6′	85°44.4′	88°27.4′	107°10.8′
10	5°02.9′	26°01.1′	49°45.9′	51°14.2′	85°08.2′	89°01.4′	106°36.3′
11	4°27.0′	25°29.3′	49°10.5′	50°39.8′	84°32.1′	89°35.3′	106°01.7′
12	3°51.3′	24°57.7′	48°35.3′	50°05.4′	83°56.0′	90°09.2′	105°27.2′
13	3°15.7′	24°26.3′	47°60.0′	49°31.1′	83°19.9′	90°43.1′	104°52.7′
14	2°40.4′	23°55.1′	47°24.7′	48°56.8′	82°43.8′	91°17.0′	104°18.2′
15	–	23°24.1′	46°49.5′	48°22.5′	82°07.7′	91°50.9′	103°43.7′
16	–	22°53.4′	46°14.3′	47°48.3′	81°31.7′	92°24.8′	103°09.2′
17	–	22°22.9′	45°39.1′	47°14.2′	80°55.6′	92°58.7′	102°34.7′
18	–	21°52.7′	45°03.9′	46°40.0′	80°19.5′	93°32.6′	102°00.2′
19	–	21°22.8′	44°28.8′	46°05.9′	79°43.4′	94°06.5′	101°25.7′
20	–	20°53.2′	43°53.7′	45°31.9′	79°07.4′	94°40.3′	100°51.2′
21	–	20°24.0′	43°18.6′	44°57.9′	78°31.3′	95°14.2′	100°16.8′
22	2°16.9′	19°55.1′	42°43.6′	44°23.9′	77°55.3′	95°48.0′	99°42.3′
23	2°52.0′	19°26.6′	42°08.5′	43°50.1′	77°19.2′	96°21.9′	99°07.8′

Tue Oct 10, 2017 UTC

UTC	+Aldebaran Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Regulus Lunar Dist.	−Betelgeuse Lunar Dist.	−Mars Lunar Dist.	+Formalhaut Lunar Dist.
0	3°27.4′	41°33.5′	43°16.2′	76°43.2′	18°58.5′	98°33.4′	96°55.7′
1	4°02.9′	40°58.6′	42°42.4′	76°07.2′	18°30.9′	97°59.0′	97°29.5′
2	4°38.6′	40°23.7′	42°08.7′	75°31.2′	18°03.7′	97°24.5′	98°03.3′
3	5°14.3′	39°48.8′	41°35.0′	74°55.2′	17°37.1′	96°50.1′	98°37.0′
4	5°50.1′	39°13.9′	41°01.4′	74°19.2′	17°11.0′	96°15.7′	99°10.8′
5	6°25.9′	38°39.1′	40°27.9′	73°43.2′	16°45.5′	95°41.3′	99°44.6′
6	7°01.8′	38°04.3′	39°54.4′	73°07.2′	16°20.7′	95°06.9′	100°18.3′
7	7°37.6′	37°29.6′	39°21.0′	72°31.2′	15°56.5′	94°32.5′	100°52.0′
8	8°13.5′	36°54.9′	38°47.7′	71°55.3′	–	93°58.2′	101°25.7′
9	8°49.3′	36°20.3′	38°14.4′	71°19.3′	–	93°23.8′	101°59.4′
10	9°25.2′	35°45.7′	37°41.2′	70°43.4′	–	92°49.4′	102°33.0′
11	10°01.1′	35°11.1′	37°08.2′	70°07.5′	–	92°15.1′	103°06.7′
12	10°36.9′	34°36.6′	36°35.2′	69°31.5′	–	91°40.8′	103°40.3′
13	11°12.8′	34°02.2′	36°02.2′	68°55.6′	–	91°06.4′	104°13.9′
14	11°48.6′	33°27.8′	35°29.4′	68°19.8′	–	90°32.1′	104°47.4′
15	12°24.5′	32°53.4′	34°56.7′	67°43.9′	–	89°57.8′	105°21.0′
16	13°00.3′	32°19.2′	34°24.1′	67°08.0′	–	89°23.6′	105°54.5′
17	13°36.1′	31°45.0′	33°51.6′	66°32.1′	–	88°49.3′	106°28.0′
18	14°11.9′	31°10.8′	33°19.2′	65°56.3′	–	88°15.0′	107°01.5′
19	14°47.7′	30°36.7′	32°46.9′	65°20.5′	–	87°40.8′	107°34.9′
20	15°23.5′	30°02.7′	32°14.7′	64°44.6′	–	87°06.5′	108°08.3′
21	15°59.3′	29°28.8′	31°42.7′	64°08.8′	–	86°32.3′	108°41.7′
22	16°35.1′	28°55.0′	31°10.8′	63°33.0′	–	85°58.1′	109°15.1′
23	17°10.8′	28°21.2′	30°39.0′	62°57.3′	–	85°23.9′	109°48.4′

Wed Oct 11, 2017 UTC

UTC	–Sun Lunar Dist.	+Aldebaran Lunar Dist.	–Pollux Lunar Dist.	–Regulus Lunar Dist.	–Procyon Lunar Dist.	–Mars Lunar Dist.	–Venus Lunar Dist.
0	109°58.8'	17°46.6'	27°47.6'	62°21.5'	30°07.4'	84°49.7'	88°02.3'
1	109°25.6'	18°22.3'	27°14.0'	61°45.7'	29°35.9'	84°15.6'	87°29.6'
2	108°52.4'	18°58.0'	26°40.5'	61°10.0'	29°04.6'	83°41.4'	86°57.0'
3	108°19.3'	19°33.7'	26°07.2'	60°34.3'	28°33.5'	83°07.3'	86°24.4'
4	107°46.1'	20°09.4'	25°33.9'	59°58.6'	28°02.6'	82°33.2'	85°51.7'
5	107°13.0'	20°45.1'	25°00.8'	59°22.9'	27°31.8'	81°59.0'	85°19.1'
6	106°39.9'	21°20.8'	24°27.8'	58°47.2'	27°01.3'	81°24.9'	84°46.6'
7	106°06.8'	21°56.4'	23°54.9'	58°11.5'	26°30.9'	80°50.9'	84°14.0'
8	105°33.7'	22°32.1'	23°22.2'	57°35.9'	26°00.8'	80°16.8'	83°41.4'
9	105°00.6'	23°07.7'	22°49.6'	57°00.2'	25°30.9'	79°42.7'	83°08.9'
10	104°27.6'	23°43.3'	22°17.2'	56°24.6'	25°01.2'	79°08.7'	82°36.4'
11	103°54.5'	24°18.9'	21°44.9'	55°49.0'	24°31.8'	78°34.7'	82°03.9'
12	103°21.5'	24°54.5'	21°12.9'	55°13.4'	24°02.7'	78°00.7'	81°31.4'
13	102°48.5'	25°30.0'	20°41.0'	54°37.8'	23°33.9'	77°26.7'	80°58.9'
14	102°15.5'	26°05.6'	20°09.4'	54°02.3'	23°05.4'	76°52.7'	80°26.4'
15	101°42.5'	26°41.1'	19°37.9'	53°26.7'	22°37.2'	76°18.8'	79°54.0'
16	101°09.6'	27°16.7'	19°06.7'	52°51.2'	22°09.4'	75°44.8'	79°21.6'
17	100°36.6'	27°52.2'	18°35.8'	52°15.7'	21°41.9'	75°10.9'	78°49.1'
18	100°03.7'	28°27.7'	18°05.2'	51°40.2'	21°14.8'	74°37.0'	78°16.7'
19	99°30.8'	29°03.1'	17°34.9'	51°04.7'	20°48.1'	74°03.1'	77°44.4'
20	98°57.9'	29°38.6'	17°04.9'	50°29.2'	20°21.9'	73°29.2'	77°12.0'
21	98°25.0'	30°14.0'	16°35.3'	49°53.8'	19°56.1'	72°55.4'	76°39.7'
22	97°52.1'	30°49.4'	16°06.0'	49°18.4'	19°30.9'	72°21.5'	76°07.3'
23	97°19.3'	31°24.9'	15°37.2'	48°42.9'	19°06.1'	71°47.7'	75°35.0'

Thu Oct 12, 2017 UTC

UTC	–Sun Lunar Dist.	+Aldebaran Lunar Dist.	–Regulus Lunar Dist.	–Mars Lunar Dist.	–Pollux Lunar Dist.	+Betelgeuse Lunar Dist.	–Venus Lunar Dist.
0	96°46.4'	32°00.2'	48°07.5'	71°13.9'	15°08.9'	18°04.1'	75°02.7'
1	96°13.6'	32°35.6'	47°32.2'	70°40.1'	14°41.1'	18°30.8'	74°30.4'
2	95°40.8'	33°11.0'	46°56.8'	70°06.3'	14°13.8'	18°57.9'	73°58.2'
3	95°08.1'	33°46.3'	46°21.4'	69°32.5'	13°47.1'	19°25.4'	73°25.9'
4	94°35.3'	34°21.6'	45°46.1'	68°58.8'	13°21.2'	19°53.4'	72°53.7'
5	94°02.5'	34°57.0'	45°10.8'	68°25.1'	–	20°21.6'	72°21.5'
6	93°29.8'	35°32.2'	44°35.5'	67°51.4'	–	20°50.2'	71°49.3'
7	92°57.1'	36°07.5'	44°00.2'	67°17.7'	–	21°19.2'	71°17.1'
8	92°24.4'	36°42.8'	43°25.0'	66°44.0'	–	21°48.4'	70°45.0'
9	91°51.7'	37°18.0'	42°49.7'	66°10.4'	–	22°17.8'	70°12.8'
10	91°19.1'	37°53.2'	42°14.5'	65°36.7'	–	22°47.5'	69°40.7'
11	90°46.4'	38°28.4'	41°39.3'	65°03.1'	–	23°17.5'	69°08.6'
12	90°13.8'	39°03.6'	41°04.1'	64°29.5'	–	23°47.6'	68°36.5'
13	89°41.2'	39°38.8'	40°28.9'	63°55.9'	–	24°17.9'	68°04.5'
14	89°08.6'	40°13.9'	39°53.8'	63°22.4'	–	24°48.5'	67°32.4'
15	88°36.1'	40°49.1'	39°18.6'	62°48.8'	–	25°19.2'	67°00.4'
16	88°03.5'	41°24.2'	38°43.5'	62°15.3'	–	25°50.0'	66°28.4'
17	87°31.0'	41°59.3'	38°08.4'	61°41.8'	–	26°21.0'	65°56.4'
18	86°58.5'	42°34.4'	37°33.4'	61°08.3'	–	26°52.2'	65°24.4'
19	86°26.0'	43°09.4'	36°58.3'	60°34.8'	–	27°23.5'	64°52.4'
20	85°53.5'	43°44.5'	36°23.2'	60°01.4'	–	27°54.9'	64°20.5'
21	85°21.0'	44°19.5'	35°48.2'	59°27.9'	–	28°26.4'	63°48.6'
22	84°48.6'	44°54.5'	35°13.2'	58°54.5'	–	28°58.0'	63°16.7'
23	84°16.2'	45°29.5'	34°38.2'	58°21.1'	–	29°29.7'	62°44.8'

Fri Oct 13, 2017 UTC

UTC	−Sun Lunar Dist.	−Regulus Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	−Mars Lunar Dist.	−Venus Lunar Dist.	+Rigel Lunar Dist.
0	83°43.8'	34°03.3'	46°04.4'	30°01.5'	57°47.8'	62°12.9'	46°46.0'
1	83°11.4'	33°28.3'	46°39.4'	30°33.4'	57°14.4'	61°41.1'	47°13.7'
2	82°39.1'	32°53.4'	47°14.3'	31°05.4'	56°41.1'	61°09.3'	47°41.5'
3	82°06.7'	32°18.5'	47°49.2'	31°37.5'	56°07.7'	60°37.5'	48°09.5'
4	81°34.4'	31°43.6'	48°24.1'	32°09.6'	55°34.4'	60°05.7'	48°37.5'
5	81°02.1'	31°08.7'	48°59.0'	32°41.8'	55°01.2'	59°33.9'	49°05.6'
6	80°29.8'	30°33.8'	49°33.9'	33°14.1'	54°27.9'	59°02.2'	49°33.8'
7	79°57.5'	29°59.0'	50°08.7'	33°46.4'	53°54.6'	58°30.4'	50°02.1'
8	79°25.3'	29°24.2'	50°43.5'	34°18.8'	53°21.4'	57°58.7'	50°30.5'
9	78°53.1'	28°49.4'	51°18.3'	34°51.2'	52°48.2'	57°27.0'	50°59.0'
10	78°20.9'	28°14.6'	51°53.1'	35°23.7'	52°15.0'	56°55.4'	51°27.5'
11	77°48.7'	27°39.8'	52°27.8'	35°56.2'	51°41.9'	56°23.7'	51°56.1'
12	77°16.5'	27°05.1'	53°02.6'	36°28.7'	51°08.7'	55°52.1'	52°24.8'
13	76°44.3'	26°30.3'	53°37.3'	37°01.4'	50°35.6'	55°20.5'	52°53.6'
14	76°12.2'	25°55.6'	54°12.0'	37°34.0'	50°02.5'	54°48.9'	53°22.4'
15	75°40.1'	25°20.9'	54°46.7'	38°06.7'	49°29.4'	54°17.3'	53°51.3'
16	75°08.0'	24°46.3'	55°21.4'	38°39.4'	48°56.3'	53°45.7'	54°20.3'
17	74°36.0'	24°11.6'	55°56.0'	39°12.1'	48°23.3'	53°14.2'	54°49.3'
18	74°03.9'	23°37.0'	56°30.6'	39°44.9'	47°50.2'	52°42.7'	55°18.4'
19	73°31.9'	23°02.4'	57°05.3'	40°17.6'	47°17.2'	52°11.2'	55°47.5'
20	72°59.9'	22°27.8'	57°39.8'	40°50.5'	46°44.2'	51°39.7'	56°16.7'
21	72°27.9'	21°53.2'	58°14.4'	41°23.3'	46°11.3'	51°08.3'	56°45.9'
22	71°55.9'	21°18.7'	58°49.0'	41°56.1'	45°38.3'	50°36.8'	57°15.2'
23	71°24.0'	20°44.1'	59°23.5'	42°29.0'	45°05.4'	50°05.4'	57°44.5'

Sat Oct 14, 2017 UTC

UTC	−Sun Lunar Dist.	−Regulus Lunar Dist.	+Betelgeuse Lunar Dist.	+Aldebaran Lunar Dist.	−Mars Lunar Dist.	+Pollux Lunar Dist.	−Venus Lunar Dist.
0	70°52.0'	20°09.6'	43°01.9'	59°58.0'	44°32.5'	18°14.0'	49°34.0'
1	70°20.1'	19°35.1'	43°34.8'	60°32.5'	43°59.6'	18°43.9'	49°02.6'
2	69°48.2'	19°00.7'	44°07.7'	61°07.0'	43°26.7'	19°13.9'	48°31.3'
3	69°16.4'	18°26.2'	44°40.6'	61°41.4'	42°53.8'	19°44.2'	47°59.9'
4	68°44.5'	17°51.8'	45°13.6'	62°15.9'	42°21.0'	20°14.7'	47°28.6'
5	68°12.7'	17°17.3'	45°46.5'	62°50.3'	41°48.2'	20°45.4'	46°57.3'
6	67°40.9'	16°43.0'	46°19.5'	63°24.7'	41°15.4'	21°16.2'	46°26.0'
7	67°09.1'	16°08.6'	46°52.5'	63°59.1'	40°42.6'	21°47.2'	45°54.8'
8	66°37.3'	15°34.2'	47°25.4'	64°33.4'	40°09.9'	22°18.3'	45°23.6'
9	66°05.6'	14°59.9'	47°58.4'	65°07.8'	39°37.1'	22°49.6'	44°52.3'
10	65°33.8'	14°25.6'	48°31.4'	65°42.1'	39°04.4'	23°21.0'	44°21.1'
11	65°02.1'	13°51.3'	49°04.4'	66°16.4'	38°31.7'	23°52.4'	43°50.0'
12	64°30.4'	13°17.0'	49°37.4'	66°50.7'	37°59.1'	24°24.0'	43°18.8'
13	63°58.8'	12°42.7'	50°10.4'	67°24.9'	37°26.4'	24°55.7'	42°47.7'
14	63°27.1'	12°08.5'	50°43.4'	67°59.2'	36°53.8'	25°27.5'	42°16.6'
15	62°55.5'	11°34.3'	51°16.4'	68°33.4'	36°21.2'	25°59.3'	41°45.5'
16	62°23.9'	11°00.1'	51°49.4'	69°07.6'	35°48.6'	26°31.2'	41°14.4'
17	61°52.3'	10°25.9'	52°22.4'	69°41.8'	35°16.0'	27°03.2'	40°43.3'
18	61°20.8'	9°51.7'	52°55.4'	70°15.9'	34°43.5'	27°35.3'	40°12.3'
19	60°49.2'	9°17.6'	53°28.4'	70°50.1'	34°10.9'	28°07.4'	39°41.3'
20	60°17.7'	8°43.5'	54°01.4'	71°24.2'	33°38.4'	28°39.6'	39°10.3'
21	59°46.2'	8°09.4'	54°34.3'	71°58.3'	33°05.9'	29°11.8'	38°39.3'
22	59°14.7'	7°35.3'	55°07.3'	72°32.4'	32°33.5'	29°44.0'	38°08.4'
23	58°43.3'	7°01.2'	55°40.3'	73°06.5'	32°01.0'	30°16.3'	37°37.4'

## Sun Oct 15, 2017 UTC

UTC	–Sun Lunar Dist.	–Regulus Lunar Dist.	+Pollux Lunar Dist.	–Mars Lunar Dist.	+Betelgeuse Lunar Dist.	+Procyon Lunar Dist.	–Venus Lunar Dist.
0	58°11.9'	6°27.2'	30°48.7'	31°28.6'	56°13.3'	31°38.4'	37°06.5'
1	57°40.4'	5°53.2'	31°21.0'	30°56.2'	56°46.3'	32°08.9'	36°35.6'
2	57°09.1'	5°19.2'	31°53.5'	30°23.8'	57°19.2'	32°39.4'	36°04.8'
3	56°37.7'	4°45.2'	32°25.9'	29°51.5'	57°52.2'	33°10.0'	35°33.9'
4	56°06.3'	4°11.3'	32°58.4'	29°19.1'	58°25.1'	33°40.6'	35°03.1'
5	55°35.0'	3°37.4'	33°30.8'	28°46.8'	58°58.1'	34°11.4'	34°32.3'
6	55°03.7'	3°03.5'	34°03.4'	28°14.5'	59°31.0'	34°42.2'	34°01.5'
7	54°32.4'	2°29.7'	34°35.9'	27°42.3'	60°03.9'	35°13.1'	33°30.7'
8	54°01.2'	1°56.0'	35°08.4'	27°10.0'	60°36.9'	35°44.0'	33°00.0'
9	53°29.9'	1°22.3'	35°41.0'	26°37.8'	61°09.8'	36°15.0'	32°29.3'
10	52°58.7'	–	36°13.6'	26°05.6'	61°42.7'	36°46.1'	31°58.6'
11	52°27.5'	–	36°46.2'	25°33.4'	62°15.6'	37°17.2'	31°27.9'
12	51°56.4'	–	37°18.8'	25°01.3'	62°48.5'	37°48.3'	30°57.3'
13	51°25.2'	–	37°51.4'	24°29.1'	63°21.3'	38°19.5'	30°26.6'
14	50°54.1'	1°28.4'	38°24.1'	23°57.0'	63°54.2'	38°50.8'	29°56.0'
15	50°23.0'	2°01.9'	38°56.7'	23°24.9'	64°27.0'	39°22.1'	29°25.4'
16	49°51.9'	2°35.5'	39°29.4'	22°52.9'	64°59.9'	39°53.4'	28°54.9'
17	49°20.8'	3°09.1'	40°02.0'	22°20.8'	65°32.7'	40°24.7'	28°24.3'
18	48°49.8'	3°42.8'	40°34.7'	21°48.8'	66°05.5'	40°56.1'	27°53.8'
19	48°18.8'	4°16.4'	41°07.3'	21°16.8'	66°38.3'	41°27.5'	27°23.3'
20	47°47.8'	4°50.0'	41°40.0'	20°44.8'	67°11.1'	41°59.0'	26°52.8'
21	47°16.8'	5°23.6'	42°12.7'	20°12.9'	67°43.9'	42°30.5'	26°22.4'
22	46°45.9'	5°57.2'	42°45.3'	19°41.0'	68°16.7'	43°02.0'	25°51.9'
23	46°15.0'	6°30.8'	43°18.0'	19°09.1'	68°49.4'	43°33.5'	25°21.5'

## Mon Oct 16, 2017 UTC

UTC	–Sun Lunar Dist.	+Regulus Lunar Dist.	–Mars Lunar Dist.	+Pollux Lunar Dist.	–Venus Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.
0	45°44.1'	7°04.3'	18°37.3'	43°50.7'	24°51.2'	44°05.0'	69°22.2'
1	45°13.2'	7°37.8'	18°05.4'	44°23.3'	24°20.8'	44°36.6'	69°54.9'
2	44°42.3'	8°11.4'	17°33.6'	44°56.0'	23°50.5'	45°08.2'	70°27.6'
3	44°11.5'	8°44.9'	17°01.8'	45°28.6'	23°20.1'	45°39.8'	71°00.3'
4	43°40.7'	9°18.3'	16°30.1'	46°01.3'	22°49.9'	46°11.4'	71°33.0'
5	43°09.9'	9°51.8'	15°58.4'	46°33.9'	22°19.6'	46°43.0'	72°05.6'
6	42°39.2'	10°25.2'	15°26.7'	47°06.6'	21°49.4'	47°14.7'	72°38.3'
7	42°08.5'	10°58.7'	14°55.1'	47°39.2'	21°19.2'	47°46.3'	73°10.9'
8	41°37.8'	11°32.1'	14°23.4'	48°11.8'	20°49.0'	48°18.0'	73°43.5'
9	41°07.1'	12°05.4'	13°51.9'	48°44.5'	20°18.8'	48°49.7'	74°16.2'
10	40°36.4'	12°38.8'	13°20.3'	49°17.1'	19°48.7'	49°21.3'	74°48.7'
11	40°05.8'	13°12.1'	12°48.8'	49°49.7'	19°18.6'	49°53.0'	75°21.3'
12	39°35.2'	13°45.5'	12°17.4'	50°22.3'	18°48.5'	50°24.7'	75°53.9'
13	39°04.6'	14°18.7'	11°46.0'	50°54.9'	18°18.5'	50°56.4'	76°26.4'
14	38°34.1'	14°52.0'	11°14.6'	51°27.5'	17°48.4'	51°28.1'	76°58.9'
15	38°03.5'	15°25.3'	10°43.3'	52°00.0'	17°18.5'	51°59.9'	77°31.4'
16	37°33.0'	15°58.5'	10°12.1'	52°32.6'	16°48.5'	52°31.6'	78°03.9'
17	37°02.6'	16°31.7'	9°40.9'	53°05.2'	16°18.6'	53°03.3'	78°36.4'
18	36°32.1'	17°04.9'	9°09.8'	53°37.7'	15°48.7'	53°35.0'	79°08.9'
19	36°01.7'	17°38.1'	8°38.8'	54°10.2'	15°18.8'	54°06.7'	79°41.3'
20	35°31.3'	18°11.3'	8°07.8'	54°42.8'	14°49.0'	54°38.4'	80°13.7'
21	35°01.0'	18°44.4'	7°37.0'	55°15.3'	14°19.2'	55°10.1'	80°46.1'
22	34°30.6'	19°17.5'	7°06.3'	55°47.8'	13°49.5'	55°41.9'	81°18.5'
23	34°00.3'	19°50.6'	6°35.8'	56°20.2'	13°19.8'	56°13.6'	81°50.9'



Tue Oct 17, 2017 UTC

UTC	+Regulus Lunar Dist.	-Mars Lunar Dist.	-Venus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Aldebaran Lunar Dist.
0	20°23.7'	6°05.4'	12°50.1'	56°52.7'	56°45.3'	82°23.2'	100°31.1'
1	20°56.7'	5°35.3'	12°20.5'	57°25.2'	57°17.0'	82°55.5'	101°04.1'
2	21°29.7'	5°05.5'	11°50.9'	57°57.6'	57°48.7'	83°27.8'	101°37.1'
3	22°02.7'	4°36.0'	11°21.4'	58°30.0'	58°20.4'	84°00.1'	102°10.1'
4	22°35.7'	4°07.1'	10°52.0'	59°02.4'	58°52.1'	84°32.4'	102°43.1'
5	23°08.7'	–	10°22.6'	59°34.8'	59°23.8'	85°04.6'	103°16.1'
6	23°41.6'	–	9°53.2'	60°07.2'	59°55.4'	85°36.9'	103°49.0'
7	24°14.6'	–	9°24.0'	60°39.6'	60°27.1'	86°09.1'	104°21.9'
8	24°47.5'	–	8°54.8'	61°12.0'	60°58.8'	86°41.3'	104°54.8'
9	25°20.3'	–	8°25.7'	61°44.3'	61°30.4'	87°13.4'	105°27.7'
10	25°53.2'	–	7°56.8'	62°16.6'	62°02.1'	87°45.6'	106°00.6'
11	26°26.0'	–	7°27.9'	62°48.9'	62°33.7'	88°17.7'	106°33.4'
12	26°58.8'	–	6°59.2'	63°21.2'	63°05.3'	88°49.8'	107°06.2'
13	27°31.6'	–	6°30.7'	63°53.5'	63°37.0'	89°21.9'	107°39.0'
14	28°04.4'	–	6°02.3'	64°25.8'	64°08.6'	89°54.0'	108°11.8'
15	28°37.2'	–	5°34.3'	64°58.0'	64°40.2'	90°26.0'	108°44.5'
16	29°09.9'	–	5°06.5'	65°30.2'	65°11.7'	90°58.0'	109°17.3'
17	29°42.6'	–	4°39.2'	66°02.4'	65°43.3'	91°30.0'	109°50.0'
18	30°15.3'	3°55.0'	4°12.3'	66°34.6'	66°14.9'	92°02.0'	110°22.7'
19	30°47.9'	4°23.4'	–	67°06.8'	66°46.4'	92°34.0'	110°55.3'
20	31°20.6'	4°52.3'	–	67°39.0'	67°18.0'	93°05.9'	111°28.0'
21	31°53.2'	5°21.6'	–	68°11.1'	67°49.5'	93°37.8'	112°00.6'
22	32°25.8'	5°51.2'	–	68°43.2'	68°21.0'	94°09.7'	112°33.2'
23	32°58.4'	6°21.0'	–	69°15.3'	68°52.5'	94°41.6'	113°05.7'

Wed Oct 18, 2017 UTC

UTC	+Mars Lunar Dist.	+Regulus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Aldebaran Lunar Dist.
0	6°50.9'	33°30.9'	69°47.4'	69°24.0'	95°13.4'	113°38.3'
1	7°21.0'	34°03.5'	70°19.5'	69°55.5'	95°45.2'	114°10.8'
2	7°51.1'	34°36.0'	70°51.5'	70°26.9'	96°17.0'	114°43.3'
3	8°21.3'	35°08.4'	71°23.5'	70°58.4'	96°48.8'	115°15.8'
4	8°51.6'	35°40.9'	71°55.6'	71°29.8'	97°20.5'	115°48.3'
5	9°22.0'	36°13.4'	72°27.5'	72°01.2'	97°52.3'	116°20.7'
6	9°52.3'	36°45.8'	72°59.5'	72°32.6'	98°24.0'	116°53.1'
7	10°22.7'	37°18.2'	73°31.5'	73°04.0'	98°55.7'	117°25.5'
8	10°53.1'	37°50.5'	74°03.4'	73°35.4'	99°27.3'	117°57.9'
9	11°23.5'	38°22.9'	74°35.3'	74°06.7'	99°58.9'	118°30.2'
10	11°53.9'	38°55.2'	75°07.2'	74°38.1'	100°30.6'	119°02.6'
11	12°24.4'	39°27.5'	75°39.1'	75°09.4'	101°02.1'	119°34.9'
12	12°54.8'	39°59.8'	76°10.9'	75°40.7'	101°33.7'	120°07.2'
13	13°25.2'	40°32.1'	76°42.8'	76°12.0'	102°05.2'	120°39.4'
14	13°55.7'	41°04.3'	77°14.6'	76°43.2'	102°36.7'	121°11.7'
15	14°26.1'	41°36.5'	77°46.4'	77°14.5'	103°08.2'	121°43.9'
16	14°56.5'	42°08.7'	78°18.1'	77°45.7'	103°39.7'	122°16.1'
17	15°26.9'	42°40.9'	78°49.9'	78°16.9'	104°11.1'	122°48.2'
18	15°57.3'	43°13.1'	79°21.6'	78°48.1'	104°42.5'	123°20.4'
19	16°27.7'	43°45.2'	79°53.3'	79°19.3'	105°13.9'	123°52.5'
20	16°58.0'	44°17.3'	80°25.0'	79°50.4'	105°45.3'	124°24.6'
21	17°28.4'	44°49.4'	80°56.7'	80°21.6'	106°16.6'	124°56.7'
22	17°58.7'	45°21.4'	81°28.3'	80°52.7'	106°47.9'	125°28.8'
23	18°29.0'	45°53.5'	81°60.0'	81°23.8'	107°19.2'	126°00.8'

Thu Oct 19, 2017 UTC

UTC	+Mars Lunar Dist.	+Venus Lunar Dist.	+Regulus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.
0	18°59.4'	11°00.3'	46°25.5'	82°31.6'	81°54.9'	107°50.4'
1	19°29.7'	11°28.8'	46°57.5'	83°03.2'	82°25.9'	108°21.6'
2	19°59.9'	11°57.3'	47°29.4'	83°34.7'	82°57.0'	108°52.8'
3	20°30.2'	12°25.8'	48°01.4'	84°06.3'	83°28.0'	109°24.0'
4	21°00.4'	12°54.3'	48°33.3'	84°37.8'	83°59.0'	109°55.1'
5	21°30.6'	13°22.8'	49°05.2'	85°09.3'	84°30.0'	110°26.3'
6	22°00.9'	13°51.3'	49°37.1'	85°40.7'	85°00.9'	110°57.3'
7	22°31.0'	14°19.8'	50°08.9'	86°12.2'	85°31.9'	111°28.4'
8	23°01.2'	14°48.3'	50°40.8'	86°43.6'	86°02.8'	111°59.4'
9	23°31.4'	15°16.8'	51°12.6'	87°15.0'	86°33.7'	112°30.4'
10	24°01.5'	15°45.2'	51°44.4'	87°46.4'	87°04.5'	113°01.4'
11	24°31.6'	16°13.7'	52°16.1'	88°17.8'	87°35.4'	113°32.4'
12	25°01.7'	16°42.1'	52°47.9'	88°49.1'	88°06.2'	114°03.3'
13	25°31.7'	17°10.6'	53°19.6'	89°20.4'	88°37.0'	114°34.2'
14	26°01.8'	17°39.0'	53°51.3'	89°51.7'	89°07.8'	115°05.0'
15	26°31.8'	18°07.4'	54°23.0'	90°23.0'	89°38.6'	115°35.8'
16	27°01.8'	18°35.8'	54°54.6'	90°54.3'	90°09.3'	116°06.6'
17	27°31.8'	19°04.2'	55°26.2'	91°25.5'	90°40.1'	116°37.4'
18	28°01.8'	19°32.5'	55°57.8'	91°56.7'	91°10.7'	117°08.1'
19	28°31.7'	20°00.9'	56°29.4'	92°27.9'	91°41.4'	117°38.8'
20	29°01.6'	20°29.2'	57°01.0'	92°59.0'	92°12.1'	118°09.5'
21	29°31.5'	20°57.5'	57°32.5'	93°30.2'	92°42.7'	118°40.2'
22	30°01.4'	21°25.8'	58°04.0'	94°01.3'	93°13.3'	119°10.8'
23	30°31.3'	21°54.0'	58°35.5'	94°32.4'	93°43.9'	119°41.4'

Sat Oct 21, 2017 UTC

UTC	-Saturn Lunar Dist.	-Antares Lunar Dist.	-Altair Lunar Dist.
0	42°07.6'	29°53.9'	79°12.3'
1	41°37.0'	29°24.7'	78°45.1'
2	41°06.5'	28°55.6'	78°17.8'
3	40°35.9'	28°26.6'	77°50.6'
4	40°05.4'	27°57.6'	77°23.4'
5	39°34.9'	27°28.7'	76°56.3'
6	39°04.5'	26°59.9'	76°29.2'
7	38°34.0'	26°31.2'	76°02.1'
8	38°03.6'	26°02.6'	75°35.0'
9	37°33.2'	25°34.1'	75°08.0'
10	37°02.8'	25°05.7'	74°41.0'
11	36°32.5'	24°37.4'	74°14.1'
12	36°02.1'	24°09.2'	73°47.2'
13	35°31.8'	23°41.1'	73°20.3'
14	35°01.6'	23°13.2'	72°53.5'
15	34°31.3'	22°45.3'	72°26.7'
16	34°01.1'	22°17.6'	71°59.9'
17	33°30.9'	21°50.1'	71°33.2'
18	33°00.7'	21°22.7'	71°06.6'
19	32°30.6'	20°55.4'	70°39.9'
20	32°00.4'	20°28.3'	70°13.3'
21	31°30.3'	20°01.4'	69°46.8'
22	31°00.2'	19°34.7'	69°20.3'
23	30°30.2'	19°08.1'	68°53.8'

## Sun Oct 22, 2017 UTC

UTC	–Saturn Lunar Dist.	–Antares Lunar Dist.	–Altair Lunar Dist.	–Formalhaut Lunar Dist.
0	30°00.2'	18°41.8'	68°27.4'	101°16.9'
1	29°30.1'	18°15.7'	68°01.0'	100°48.4'
2	29°00.2'	17°49.8'	67°34.6'	100°19.9'
3	28°30.2'	17°24.2'	67°08.3'	99°51.4'
4	28°00.3'	16°58.8'	66°42.1'	99°22.9'
5	27°30.4'	16°33.7'	66°15.9'	98°54.5'
6	27°00.5'	16°09.0'	65°49.7'	98°26.0'
7	26°30.7'	15°44.5'	65°23.6'	97°57.6'
8	26°00.8'	15°20.5'	64°57.5'	97°29.2'
9	25°31.0'	14°56.8'	64°31.5'	97°00.8'
10	25°01.3'	14°33.5'	64°05.5'	96°32.4'
11	24°31.5'	14°10.6'	63°39.6'	96°04.0'
12	24°01.8'	13°48.3'	63°13.8'	95°35.6'
13	23°32.1'	13°26.4'	62°47.9'	95°07.2'
14	23°02.5'	13°05.1'	62°22.2'	94°38.9'
15	22°32.8'	12°44.4'	61°56.5'	94°10.5'
16	22°03.2'	12°24.3'	61°30.8'	93°42.2'
17	21°33.7'	12°05.0'	61°05.2'	93°13.9'
18	21°04.2'	–	60°39.6'	92°45.6'
19	20°34.7'	–	60°14.1'	92°17.4'
20	20°05.2'	–	59°48.7'	91°49.1'
21	19°35.8'	–	59°23.3'	91°20.8'
22	19°06.4'	–	58°58.0'	90°52.6'
23	18°37.0'	–	58°32.7'	90°24.4'

## Mon Oct 23, 2017 UTC

UTC	–Saturn Lunar Dist.	–Altair Lunar Dist.	–Formalhaut Lunar Dist.
0	18°07.7'	58°07.5'	89°56.2'
1	17°38.4'	57°42.4'	89°28.0'
2	17°09.2'	57°17.3'	88°59.8'
3	16°40.0'	56°52.3'	88°31.6'
4	16°10.9'	56°27.3'	88°03.5'
5	15°41.8'	56°02.4'	87°35.3'
6	15°12.8'	55°37.6'	87°07.2'
7	14°43.8'	55°12.9'	86°39.1'
8	14°14.9'	54°48.2'	86°11.0'
9	13°46.0'	54°23.6'	85°42.9'
10	13°17.3'	53°59.0'	85°14.9'
11	12°48.6'	53°34.6'	84°46.8'
12	12°19.9'	53°10.2'	84°18.8'
13	11°51.4'	52°45.8'	83°50.8'
14	11°23.0'	52°21.6'	83°22.8'
15	10°54.7'	51°57.4'	82°54.8'
16	10°26.6'	51°33.3'	82°26.8'
17	9°58.5'	51°09.3'	81°58.9'
18	9°30.7'	50°45.4'	81°30.9'
19	9°03.0'	50°21.6'	81°03.0'
20	8°35.6'	49°57.8'	80°35.1'
21	8°08.4'	49°34.2'	80°07.2'
22	7°41.5'	49°10.6'	79°39.3'
23	7°14.9'	48°47.1'	79°11.4'

Tue Oct 24, 2017 UTC

UTC	+Sun Lunar Dist.	-Saturn Lunar Dist.	-Formalhaut Lunar Dist.	-Altair Lunar Dist.	+Antares Lunar Dist.	-Achernar Lunar Dist.
0	47°26.0'	6°48.8'	78°43.6'	48°23.7'	12°07.2'	92°37.3'
1	47°53.0'	6°23.1'	78°15.8'	48°00.4'	12°26.4'	92°21.2'
2	48°20.0'	5°58.0'	77°47.9'	47°37.2'	12°46.2'	92°05.1'
3	48°47.1'	—	77°20.1'	47°14.1'	13°06.6'	91°48.9'
4	49°14.1'	—	76°52.3'	46°51.1'	13°27.6'	91°32.8'
5	49°41.1'	—	76°24.6'	46°28.2'	13°49.1'	91°16.7'
6	50°08.1'	—	75°56.8'	46°05.4'	14°11.1'	91°00.5'
7	50°35.0'	—	75°29.1'	45°42.7'	14°33.5'	90°44.4'
8	51°02.0'	—	75°01.3'	45°20.2'	14°56.3'	90°28.3'
9	51°29.0'	—	74°33.6'	44°57.7'	15°19.5'	90°12.2'
10	51°56.0'	—	74°05.9'	44°35.4'	15°43.0'	89°56.0'
11	52°22.9'	—	73°38.3'	44°13.1'	16°06.9'	89°39.9'
12	52°49.9'	—	73°10.6'	43°51.0'	16°31.0'	89°23.8'
13	53°16.9'	—	72°42.9'	43°29.1'	16°55.4'	89°07.7'
14	53°43.8'	—	72°15.3'	43°07.2'	17°20.1'	88°51.6'
15	54°10.8'	—	71°47.7'	42°45.5'	17°45.0'	88°35.5'
16	54°37.7'	—	71°20.1'	42°23.9'	18°10.2'	88°19.4'
17	55°04.6'	—	70°52.5'	42°02.4'	18°35.5'	88°03.3'
18	55°31.6'	—	70°25.0'	41°41.1'	19°01.0'	87°47.3'
19	55°58.5'	—	69°57.4'	41°19.9'	19°26.7'	87°31.2'
20	56°25.4'	—	69°29.9'	40°58.9'	19°52.6'	87°15.1'
21	56°52.3'	—	69°02.3'	40°38.0'	20°18.7'	86°59.1'
22	57°19.3'	5°46.5'	68°34.8'	40°17.3'	20°44.9'	86°43.1'
23	57°46.2'	6°11.1'	68°07.4'	39°56.7'	21°11.2'	86°27.0'

Wed Oct 25, 2017 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.	-Altair Lunar Dist.	-Achernar Lunar Dist.
0	58°13.1'	6°36.3'	21°37.6'	67°39.9'	39°36.3'	86°11.0'
1	58°40.0'	7°02.1'	22°04.2'	67°12.4'	39°16.0'	85°55.0'
2	59°06.9'	7°28.3'	22°30.9'	66°45.0'	38°55.9'	85°39.1'
3	59°33.8'	7°54.9'	22°57.7'	66°17.6'	38°36.0'	85°23.1'
4	60°00.7'	8°21.8'	23°24.6'	65°50.2'	38°16.3'	85°07.2'
5	60°27.6'	8°48.9'	23°51.6'	65°22.8'	37°56.7'	84°51.2'
6	60°54.5'	9°16.2'	24°18.7'	64°55.5'	37°37.3'	84°35.3'
7	61°21.5'	9°43.8'	24°45.8'	64°28.1'	37°18.1'	84°19.4'
8	61°48.4'	10°11.5'	25°13.1'	64°00.8'	36°59.2'	84°03.5'
9	62°15.3'	10°39.3'	25°40.4'	63°33.5'	36°40.4'	83°47.7'
10	62°42.2'	11°07.3'	26°07.8'	63°06.2'	36°21.8'	83°31.8'
11	63°09.1'	11°35.3'	26°35.3'	62°38.9'	36°03.4'	83°16.0'
12	63°36.0'	12°03.5'	27°02.8'	62°11.7'	35°45.2'	83°00.2'
13	64°02.9'	12°31.8'	27°30.4'	61°44.4'	35°27.3'	82°44.4'
14	64°29.8'	13°00.1'	27°58.1'	61°17.2'	35°09.6'	82°28.7'
15	64°56.7'	13°28.5'	28°25.8'	60°50.0'	34°52.1'	82°13.0'
16	65°23.6'	13°57.0'	28°53.6'	60°22.8'	34°34.9'	81°57.3'
17	65°50.6'	14°25.5'	29°21.4'	59°55.7'	34°17.9'	81°41.6'
18	66°17.5'	14°54.0'	29°49.3'	59°28.5'	34°01.1'	81°25.9'
19	66°44.4'	15°22.7'	30°17.3'	59°01.4'	33°44.6'	81°10.3'
20	67°11.3'	15°51.3'	30°45.3'	58°34.3'	33°28.4'	80°54.7'
21	67°38.3'	16°20.0'	31°13.3'	58°07.3'	33°12.4'	80°39.1'
22	68°05.2'	16°48.8'	31°41.4'	57°40.2'	32°56.7'	80°23.5'
23	68°32.1'	17°17.6'	32°09.5'	57°13.2'	32°41.3'	80°08.0'

Thu Oct 26, 2017 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.	-Achernar Lunar Dist.
0	68°59.1'	17°46.4'	32°37.6'	56°46.2'	79°52.5'
1	69°26.0'	18°15.2'	33°05.8'	56°19.2'	79°37.1'
2	69°53.0'	18°44.1'	33°34.1'	55°52.2'	79°21.6'
3	70°20.0'	19°13.0'	34°02.4'	55°25.3'	79°06.2'
4	70°46.9'	19°41.9'	34°30.7'	54°58.4'	78°50.9'
5	71°13.9'	20°10.9'	34°59.0'	54°31.5'	78°35.5'
6	71°40.9'	20°39.9'	35°27.4'	54°04.7'	78°20.2'
7	72°07.9'	21°08.9'	35°55.8'	53°37.8'	78°05.0'
8	72°34.9'	21°37.9'	36°24.3'	53°11.0'	77°49.7'
9	73°01.9'	22°06.9'	36°52.8'	52°44.3'	77°34.6'
10	73°28.9'	22°36.0'	37°21.3'	52°17.5'	77°19.4'
11	73°55.9'	23°05.1'	37°49.9'	51°50.8'	77°04.3'
12	74°23.0'	23°34.2'	38°18.5'	51°24.1'	76°49.2'
13	74°50.0'	24°03.3'	38°47.1'	50°57.4'	76°34.2'
14	75°17.0'	24°32.5'	39°15.7'	50°30.8'	76°19.2'
15	75°44.1'	25°01.7'	39°44.4'	50°04.2'	76°04.2'
16	76°11.2'	25°30.9'	40°13.1'	49°37.7'	75°49.3'
17	76°38.3'	26°00.1'	40°41.8'	49°11.1'	75°34.4'
18	77°05.3'	26°29.3'	41°10.6'	48°44.6'	75°19.6'
19	77°32.5'	26°58.6'	41°39.4'	48°18.2'	75°04.8'
20	77°59.6'	27°27.8'	42°08.2'	47°51.8'	74°50.1'
21	78°26.7'	27°57.1'	42°37.1'	47°25.4'	74°35.4'
22	78°53.8'	28°26.4'	43°06.0'	46°59.0'	74°20.8'
23	79°21.0'	28°55.7'	43°34.9'	46°32.7'	74°06.2'

Fri Oct 27, 2017 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.
0	79°48.2'	29°25.1'	44°03.8'	46°06.5'
1	80°15.3'	29°54.5'	44°32.8'	45°40.3'
2	80°42.5'	30°23.8'	45°01.7'	45°14.1'
3	81°09.7'	30°53.2'	45°30.8'	44°48.0'
4	81°37.0'	31°22.7'	45°59.8'	44°21.9'
5	82°04.2'	31°52.1'	46°28.9'	43°55.9'
6	82°31.4'	32°21.6'	46°58.0'	43°29.9'
7	82°58.7'	32°51.1'	47°27.1'	43°04.0'
8	83°26.0'	33°20.6'	47°56.3'	42°38.1'
9	83°53.3'	33°50.1'	48°25.4'	42°12.3'
10	84°20.6'	34°19.6'	48°54.7'	41°46.6'
11	84°48.0'	34°49.2'	49°23.9'	41°20.9'
12	85°15.3'	35°18.8'	49°53.1'	40°55.2'
13	85°42.7'	35°48.4'	50°22.4'	40°29.7'
14	86°10.1'	36°18.0'	50°51.8'	40°04.2'
15	86°37.5'	36°47.7'	51°21.1'	39°38.8'
16	87°04.9'	37°17.3'	51°50.5'	39°13.4'
17	87°32.3'	37°47.0'	52°19.9'	38°48.2'
18	87°59.8'	38°16.7'	52°49.3'	38°23.0'
19	88°27.3'	38°46.5'	53°18.8'	37°57.9'
20	88°54.8'	39°16.2'	53°48.2'	37°32.9'
21	89°22.3'	39°46.0'	54°17.8'	37°08.0'
22	89°49.9'	40°15.8'	54°47.3'	36°43.1'
23	90°17.4'	40°45.7'	55°16.9'	36°18.4'

## Sat Oct 28, 2017 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Formalhaut Lunar Dist.
0	90°45.0'	41°15.5'	55°46.5'	35°53.8'
1	91°12.6'	41°45.4'	56°16.1'	35°29.2'
2	91°40.3'	42°15.3'	56°45.8'	35°04.8'
3	92°07.9'	42°45.2'	57°15.4'	34°40.5'
4	92°35.6'	43°15.2'	57°45.2'	34°16.3'
5	93°03.3'	43°45.2'	58°14.9'	33°52.3'
6	93°31.0'	44°15.2'	58°44.7'	33°28.3'
7	93°58.8'	44°45.2'	59°14.5'	33°04.5'
8	94°26.6'	45°15.3'	59°44.3'	32°40.9'
9	94°54.4'	45°45.4'	60°14.2'	32°17.4'
10	95°22.2'	46°15.5'	60°44.1'	31°54.0'
11	95°50.0'	46°45.6'	61°14.0'	31°30.8'
12	96°17.9'	47°15.8'	61°44.0'	31°07.8'
13	96°45.8'	47°46.0'	62°14.0'	30°45.0'
14	97°13.8'	48°16.2'	62°44.0'	30°22.3'
15	97°41.7'	48°46.5'	63°14.0'	29°59.8'
16	98°09.7'	49°16.8'	63°44.1'	29°37.5'
17	98°37.7'	49°47.1'	64°14.2'	29°15.5'
18	99°05.8'	50°17.4'	64°44.4'	28°53.6'
19	99°33.8'	50°47.8'	65°14.6'	28°32.0'
20	100°01.9'	51°18.2'	65°44.8'	28°10.6'
21	100°30.1'	51°48.6'	66°15.0'	27°49.4'
22	100°58.2'	52°19.1'	66°45.3'	27°28.5'
23	101°26.4'	52°49.6'	67°15.6'	27°07.9'

## Sun Oct 29, 2017 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Aldebaran Lunar Dist.	-Formalhaut Lunar Dist.	-Rigel Lunar Dist.	+Altair Lunar Dist.
0	101°54.6'	53°20.1'	67°46.0'	112°17.7'	26°47.6'	115°02.1'	32°37.0'
1	102°22.9'	53°50.7'	68°16.4'	111°46.9'	26°27.5'	114°35.2'	32°53.0'
2	102°51.1'	54°21.3'	68°46.8'	111°16.0'	26°07.8'	114°08.3'	33°09.3'
3	103°19.4'	54°51.9'	69°17.2'	110°45.1'	25°48.4'	113°41.3'	33°26.0'
4	103°47.8'	55°22.5'	69°47.7'	110°14.1'	25°29.3'	113°14.3'	33°43.0'
5	104°16.2'	55°53.2'	70°18.3'	109°43.1'	25°10.5'	112°47.2'	34°00.3'
6	104°44.6'	56°23.9'	70°48.8'	109°12.1'	24°52.2'	112°20.0'	34°17.8'
7	105°13.0'	56°54.7'	71°19.4'	108°41.0'	24°34.1'	111°52.8'	34°35.7'
8	105°41.5'	57°25.5'	71°50.0'	108°10.0'	24°16.5'	111°25.6'	34°53.9'
9	106°10.0'	57°56.3'	72°20.7'	107°38.8'	23°59.3'	110°58.3'	35°12.4'
10	106°38.5'	58°27.2'	72°51.4'	107°07.7'	23°42.6'	110°30.9'	35°31.1'
11	107°07.1'	58°58.1'	73°22.1'	106°36.5'	23°26.2'	110°03.5'	35°50.1'
12	107°35.7'	59°29.0'	73°52.9'	106°05.3'	23°10.4'	109°36.0'	36°09.4'
13	108°04.3'	59°60.0'	74°23.7'	105°34.0'	22°55.0'	109°08.5'	36°28.9'
14	108°33.0'	60°31.0'	74°54.6'	105°02.7'	22°40.1'	108°40.9'	36°48.7'
15	109°01.7'	61°02.0'	75°25.4'	104°31.4'	22°25.7'	108°13.2'	37°08.7'
16	109°30.4'	61°33.1'	75°56.4'	104°00.0'	22°11.9'	107°45.6'	37°29.0'
17	109°59.2'	62°04.2'	76°27.3'	103°28.6'	21°58.6'	107°17.8'	37°49.5'
18	110°28.0'	62°35.3'	76°58.3'	102°57.2'	21°45.9'	106°50.0'	38°10.3'
19	110°56.9'	63°06.5'	77°29.4'	102°25.7'	21°33.8'	106°22.2'	38°31.3'
20	111°25.8'	63°37.7'	78°00.4'	101°54.2'	21°22.3'	105°54.3'	38°52.5'
21	111°54.7'	64°09.0'	78°31.6'	101°22.7'	21°11.4'	105°26.3'	39°13.9'
22	112°23.6'	64°40.3'	79°02.7'	100°51.1'	21°01.2'	104°58.4'	39°35.6'
23	112°52.6'	65°11.6'	79°33.9'	100°19.4'	20°51.7'	104°30.3'	39°57.4'

Mon Oct 30, 2017 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.
0	113°21.7'	65°43.0'	80°05.1'	99°47.8'	117°24.8'	40°19.5'	104°02.2'
1	113°50.7'	66°14.4'	80°36.4'	99°16.1'	116°53.9'	40°41.7'	103°34.1'
2	114°19.8'	66°45.9'	81°07.7'	98°44.3'	116°23.1'	41°04.2'	103°05.9'
3	114°49.0'	67°17.4'	81°39.1'	98°12.6'	115°52.2'	41°26.9'	102°37.6'
4	115°18.2'	67°48.9'	82°10.5'	97°40.7'	115°21.2'	41°49.7'	102°09.3'
5	115°47.4'	68°20.5'	82°41.9'	97°08.9'	114°50.2'	42°12.7'	101°41.0'
6	116°16.7'	68°52.1'	83°13.4'	96°37.0'	114°19.1'	42°36.0'	101°12.6'
7	116°46.0'	69°23.8'	83°44.9'	96°05.0'	113°48.0'	42°59.4'	100°44.2'
8	117°15.3'	69°55.4'	84°16.4'	95°33.1'	113°16.9'	43°22.9'	100°15.7'
9	117°44.7'	70°27.2'	84°48.0'	95°01.0'	112°45.7'	43°46.7'	99°47.1'
10	118°14.1'	70°59.0'	85°19.6'	94°29.0'	112°14.5'	44°10.6'	99°18.6'
11	118°43.5'	71°30.8'	85°51.3'	93°56.9'	111°43.2'	44°34.7'	98°49.9'
12	119°13.0'	72°02.6'	86°23.0'	93°24.7'	111°11.8'	44°58.9'	98°21.3'
13	119°42.6'	72°34.5'	86°54.8'	92°52.5'	110°40.5'	45°23.3'	97°52.5'
14	120°12.1'	73°06.5'	87°26.6'	92°20.3'	110°09.0'	45°47.9'	97°23.8'
15	120°41.8'	73°38.5'	87°58.4'	91°48.1'	109°37.6'	46°12.6'	96°55.0'
16	121°11.4'	74°10.5'	88°30.3'	91°15.7'	109°06.0'	46°37.5'	96°26.1'
17	121°41.1'	74°42.6'	89°02.3'	90°43.4'	108°34.5'	47°02.5'	95°57.2'
18	122°10.8'	75°14.7'	89°34.2'	90°11.0'	108°02.9'	47°27.7'	95°28.3'
19	122°40.6'	75°46.8'	90°06.2'	89°38.5'	107°31.2'	47°53.0'	94°59.3'
20	123°10.4'	76°19.0'	90°38.3'	89°06.1'	106°59.5'	48°18.4'	94°30.3'
21	123°40.3'	76°51.3'	91°10.4'	88°33.5'	106°27.8'	48°44.0'	94°01.2'
22	124°10.2'	77°23.6'	91°42.5'	88°01.0'	105°56.0'	49°09.7'	93°32.1'
23	124°40.2'	77°55.9'	92°14.7'	87°28.4'	105°24.1'	49°35.6'	93°02.9'

Tue Oct 31, 2017 UTC

UTC	+Saturn Lunar Dist.	-Aldebaran Lunar Dist.	+Antares Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.	-Capella Lunar Dist.
0	78°28.3'	86°55.7'	92°46.9'	104°52.2'	50°01.6'	92°33.7'	99°10.3'
1	79°00.7'	86°23.0'	93°19.2'	104°20.3'	50°27.7'	92°04.4'	98°41.3'
2	79°33.2'	85°50.2'	93°51.5'	103°48.3'	50°54.0'	91°35.2'	98°12.3'
3	80°05.7'	85°17.5'	94°23.9'	103°16.3'	51°20.4'	91°05.8'	97°43.2'
4	80°38.2'	84°44.6'	94°56.3'	102°44.2'	51°46.9'	90°36.5'	97°14.0'
5	81°10.8'	84°11.7'	95°28.7'	102°12.1'	52°13.5'	90°07.0'	96°44.8'
6	81°43.5'	83°38.8'	96°01.2'	101°39.9'	52°40.2'	89°37.6'	96°15.6'
7	82°16.2'	83°05.8'	96°33.7'	101°07.7'	53°07.1'	89°08.1'	95°46.3'
8	82°48.9'	82°32.8'	97°06.3'	100°35.4'	53°34.1'	88°38.6'	95°16.9'
9	83°21.7'	81°59.8'	97°38.9'	100°03.1'	54°01.1'	88°09.0'	94°47.5'
10	83°54.5'	81°26.7'	98°11.6'	99°30.7'	54°28.3'	87°39.4'	94°18.1'
11	84°27.4'	80°53.5'	98°44.3'	98°58.3'	54°55.7'	87°09.7'	93°48.6'
12	85°00.3'	80°20.3'	99°17.1'	98°25.9'	55°23.1'	86°40.1'	93°19.1'
13	85°33.2'	79°47.1'	99°49.8'	97°53.4'	55°50.6'	86°10.3'	92°49.5'
14	86°06.2'	79°13.8'	100°22.7'	97°20.8'	56°18.3'	85°40.6'	92°19.9'
15	86°39.3'	78°40.4'	100°55.6'	96°48.2'	56°46.0'	85°10.8'	91°50.3'
16	87°12.4'	78°07.1'	101°28.5'	96°15.6'	57°13.8'	84°41.0'	91°20.6'
17	87°45.5'	77°33.6'	102°01.5'	95°42.9'	57°41.8'	84°11.1'	90°50.8'
18	88°18.7'	77°00.2'	102°34.5'	95°10.2'	58°09.8'	83°41.2'	90°21.0'
19	88°52.0'	76°26.6'	103°07.5'	94°37.4'	58°38.0'	83°11.3'	89°51.2'
20	89°25.2'	75°53.1'	103°40.6'	94°04.6'	59°06.2'	82°41.3'	89°21.3'
21	89°58.6'	75°19.5'	104°13.8'	93°31.7'	59°34.6'	82°11.3'	88°51.4'
22	90°31.9'	74°45.8'	104°47.0'	92°58.8'	60°03.0'	81°41.3'	88°21.5'
23	91°05.4'	74°12.1'	105°20.2'	92°25.8'	60°31.5'	81°11.2'	87°51.5'