

Sat Dec 1, 2018 UTC

UTC	−Sun Lunar Dist.	+Regulus Lunar Dist.	−Spica Lunar Dist.	−Venus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.
0	77°16.7'	21°40.9'	33°10.7'	37°41.0'	57°46.2'	58°23.8'	83°55.3'
1	76°44.7'	22°15.3'	32°37.0'	37°07.8'	58°20.5'	58°56.6'	84°28.9'
2	76°12.8'	22°49.7'	32°03.4'	36°34.7'	58°54.7'	59°29.4'	85°02.5'
3	75°40.8'	23°24.1'	31°29.8'	36°01.6'	59°28.9'	60°02.2'	85°36.1'
4	75°08.9'	23°58.4'	30°56.3'	35°28.5'	60°03.1'	60°35.0'	86°09.7'
5	74°37.0'	24°32.8'	30°22.8'	34°55.4'	60°37.2'	61°07.8'	86°43.2'
6	74°05.1'	25°07.1'	29°49.4'	34°22.3'	61°11.4'	61°40.6'	87°16.8'
7	73°33.2'	25°41.5'	29°16.1'	33°49.3'	61°45.5'	62°13.4'	87°50.3'
8	73°01.4'	26°15.8'	28°42.8'	33°16.3'	62°19.6'	62°46.2'	88°23.8'
9	72°29.6'	26°50.1'	28°09.6'	32°43.4'	62°53.7'	63°19.0'	88°57.3'
10	71°57.8'	27°24.4'	27°36.4'	32°10.4'	63°27.8'	63°51.8'	89°30.7'
11	71°26.0'	27°58.6'	27°03.3'	31°37.5'	64°01.9'	64°24.5'	90°04.2'
12	70°54.2'	28°32.9'	26°30.3'	31°04.7'	64°35.9'	64°57.3'	90°37.6'
13	70°22.5'	29°07.1'	25°57.3'	30°31.8'	65°10.0'	65°30.1'	91°11.0'
14	69°50.8'	29°41.4'	25°24.5'	29°59.0'	65°44.0'	66°02.9'	91°44.4'
15	69°19.1'	30°15.6'	24°51.7'	29°26.2'	66°18.0'	66°35.6'	92°17.8'
16	68°47.4'	30°49.8'	24°19.0'	28°53.5'	66°52.0'	67°08.4'	92°51.1'
17	68°15.7'	31°23.9'	23°46.4'	28°20.7'	67°25.9'	67°41.2'	93°24.5'
18	67°44.1'	31°58.1'	23°13.8'	27°48.0'	67°59.9'	68°13.9'	93°57.8'
19	67°12.5'	32°32.2'	22°41.4'	27°15.4'	68°33.8'	68°46.7'	94°31.0'
20	66°40.9'	33°06.4'	22°09.1'	26°42.7'	69°07.7'	69°19.4'	95°04.3'
21	66°09.3'	33°40.5'	21°36.9'	26°10.1'	69°41.6'	69°52.1'	95°37.6'
22	65°37.7'	34°14.5'	21°04.8'	25°37.6'	70°15.5'	70°24.8'	96°10.8'
23	65°06.2'	34°48.6'	20°32.8'	25°05.1'	70°49.4'	70°57.5'	96°44.0'

Sun Dec 2, 2018 UTC

UTC	−Sun Lunar Dist.	+Regulus Lunar Dist.	−Venus Lunar Dist.	−Spica Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.
0	64°34.7'	35°22.7'	24°32.6'	20°01.0'	71°23.2'	71°30.2'	97°17.2'
1	64°03.2'	35°56.7'	24°00.1'	19°29.3'	71°57.1'	72°02.9'	97°50.3'
2	63°31.7'	36°30.7'	23°27.7'	18°57.7'	72°30.9'	72°35.6'	98°23.5'
3	63°00.2'	37°04.7'	22°55.3'	18°26.3'	73°04.7'	73°08.3'	98°56.6'
4	62°28.8'	37°38.7'	22°23.0'	17°55.1'	73°38.4'	73°40.9'	99°29.7'
5	61°57.4'	38°12.7'	21°50.6'	17°24.1'	74°12.2'	74°13.6'	100°02.7'
6	61°26.0'	38°46.6'	21°18.4'	16°53.3'	74°45.9'	74°46.2'	100°35.8'
7	60°54.6'	39°20.6'	20°46.2'	16°22.7'	75°19.7'	75°18.8'	101°08.8'
8	60°23.3'	39°54.5'	20°14.0'	15°52.4'	75°53.4'	75°51.4'	101°41.8'
9	59°51.9'	40°28.4'	19°41.9'	15°22.3'	76°27.0'	76°24.0'	102°14.8'
10	59°20.6'	41°02.2'	19°09.8'	14°52.5'	77°00.7'	76°56.6'	102°47.7'
11	58°49.3'	41°36.1'	18°37.8'	14°23.1'	77°34.4'	77°29.2'	103°20.7'
12	58°18.0'	42°09.9'	18°05.8'	13°53.9'	78°08.0'	78°01.7'	103°53.6'
13	57°46.8'	42°43.8'	17°33.9'	13°25.2'	78°41.6'	78°34.3'	104°26.4'
14	57°15.6'	43°17.6'	17°02.0'	12°56.9'	79°15.2'	79°06.8'	104°59.3'
15	56°44.4'	43°51.3'	16°30.2'	12°29.0'	79°48.8'	79°39.3'	105°32.1'
16	56°13.2'	44°25.1'	15°58.5'	12°01.7'	80°22.3'	80°11.8'	106°04.9'
17	55°42.0'	44°58.8'	15°26.8'	11°35.0'	80°55.8'	80°44.3'	106°37.7'
18	55°10.8'	45°32.6'	14°55.2'	11°08.8'	81°29.4'	81°16.8'	107°10.5'
19	54°39.7'	46°06.3'	14°23.7'	–	82°02.9'	81°49.2'	107°43.2'
20	54°08.6'	46°40.0'	13°52.3'	–	82°36.3'	82°21.7'	108°15.9'
21	53°37.5'	47°13.6'	13°21.0'	–	83°09.8'	82°54.1'	108°48.6'
22	53°06.5'	47°47.3'	12°49.8'	–	83°43.2'	83°26.5'	109°21.3'
23	52°35.4'	48°20.9'	12°18.7'	–	84°16.7'	83°58.9'	109°53.9'

Mon Dec 3, 2018 UTC

UTC	−Sun Lunar Dist.	−Venus Lunar Dist.	+Regulus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Capella Lunar Dist.
0	52°04.4'	11°47.7'	48°54.5'	84°50.1'	84°31.3'	110°26.5'	112°14.4'
1	51°33.4'	11°16.9'	49°28.1'	85°23.4'	85°03.6'	110°59.1'	112°44.0'
2	51°02.4'	10°46.2'	50°01.7'	85°56.8'	85°36.0'	111°31.6'	113°13.7'
3	50°31.5'	10°15.8'	50°35.2'	86°30.1'	86°08.3'	112°04.1'	113°43.2'
4	50°00.5'	9°45.5'	51°08.8'	87°03.5'	86°40.6'	112°36.6'	114°12.8'
5	49°29.6'	9°15.4'	51°42.3'	87°36.8'	87°12.9'	113°09.1'	114°42.2'
6	48°58.7'	8°45.7'	52°15.8'	88°10.1'	87°45.2'	113°41.5'	115°11.7'
7	48°27.8'	8°16.2'	52°49.3'	88°43.3'	88°17.4'	114°13.9'	115°41.0'
8	47°57.0'	7°47.1'	53°22.7'	89°16.6'	88°49.7'	114°46.3'	116°10.3'
9	47°26.1'	7°18.4'	53°56.2'	89°49.8'	89°21.9'	115°18.7'	116°39.6'
10	46°55.3'	6°50.3'	54°29.6'	90°23.0'	89°54.1'	115°51.0'	117°08.8'
11	46°24.6'	6°22.8'	55°03.0'	90°56.2'	90°26.3'	116°23.3'	117°38.0'
12	45°53.8'	–	55°36.4'	91°29.3'	90°58.4'	116°55.5'	118°07.0'
13	45°23.0'	–	56°09.7'	92°02.5'	91°30.5'	117°27.8'	118°36.1'
14	44°52.3'	–	56°43.1'	92°35.6'	92°02.7'	117°60.0'	119°05.0'
15	44°21.6'	–	57°16.4'	93°08.7'	92°34.8'	118°32.1'	119°34.0'
16	43°50.9'	–	57°49.7'	93°41.8'	93°06.8'	119°04.3'	120°02.8'
17	43°20.3'	–	58°23.0'	94°14.9'	93°38.9'	119°36.4'	120°31.6'
18	42°49.6'	–	58°56.2'	94°47.9'	94°10.9'	120°08.4'	121°00.3'
19	42°19.0'	–	59°29.5'	95°20.9'	94°42.9'	120°40.5'	121°28.9'
20	41°48.4'	–	60°02.7'	95°53.9'	95°14.9'	121°12.5'	121°57.5'
21	41°17.9'	–	60°35.9'	96°26.9'	95°46.9'	121°44.4'	122°26.0'
22	40°47.3'	–	61°09.1'	96°59.9'	96°18.9'	122°16.4'	122°54.5'
23	40°16.8'	–	61°42.2'	97°32.8'	96°50.8'	122°48.3'	123°22.8'

Tue Dec 4, 2018 UTC

UTC	+Regulus Lunar Dist.	+Spica Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Sirius Lunar Dist.
0	62°15.4'	10°52.2'	98°05.8'	97°22.7'	107°02.6'
1	62°48.5'	11°17.4'	98°38.7'	97°54.6'	107°27.8'
2	63°21.6'	11°43.2'	99°11.5'	98°26.4'	107°53.0'
3	63°54.7'	12°09.6'	99°44.4'	98°58.3'	108°18.1'
4	64°27.8'	12°36.5'	100°17.2'	99°30.1'	108°43.2'
5	65°00.8'	13°03.9'	100°50.1'	100°01.9'	109°08.2'
6	65°33.8'	13°31.6'	101°22.9'	100°33.6'	109°33.2'
7	66°06.8'	13°59.7'	101°55.6'	101°05.4'	109°58.1'
8	66°39.8'	14°28.1'	102°28.4'	101°37.1'	110°22.9'
9	67°12.8'	14°56.9'	103°01.1'	102°08.8'	110°47.6'
10	67°45.7'	15°25.8'	103°33.8'	102°40.4'	111°12.3'
11	68°18.6'	15°55.0'	104°06.5'	103°12.1'	111°36.9'
12	68°51.5'	16°24.5'	104°39.2'	103°43.7'	112°01.5'
13	69°24.4'	16°54.1'	105°11.8'	104°15.3'	112°25.9'
14	69°57.3'	17°23.9'	105°44.4'	104°46.8'	112°50.3'
15	70°30.1'	17°53.8'	106°17.1'	105°18.4'	113°14.7'
16	71°02.9'	18°23.9'	106°49.6'	105°49.9'	113°38.9'
17	71°35.7'	18°54.1'	107°22.2'	106°21.4'	114°03.1'
18	72°08.5'	19°24.4'	107°54.7'	106°52.8'	114°27.2'
19	72°41.3'	19°54.9'	108°27.2'	107°24.3'	114°51.2'
20	73°14.0'	20°25.4'	108°59.7'	107°55.7'	115°15.1'
21	73°46.7'	20°56.0'	109°32.2'	108°27.0'	115°38.9'
22	74°19.4'	21°26.7'	110°04.6'	108°58.4'	116°02.7'
23	74°52.1'	21°57.5'	110°37.1'	109°29.7'	116°26.4'

Wed Dec 5, 2018 UTC

UTC	+Venus Lunar Dist.	+Spica Lunar Dist.	+Regulus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	+Arcturus Lunar Dist.
0	14°28.3'	22°28.4'	75°24.8'	111°09.5'	110°01.0'	32°31.4'
1	14°58.6'	22°59.3'	75°57.4'	111°41.9'	110°32.2'	32°50.9'
2	15°29.0'	23°30.2'	76°30.0'	112°14.2'	111°03.4'	33°10.8'
3	15°59.3'	24°01.2'	77°02.6'	112°46.5'	111°34.6'	33°31.0'
4	16°29.7'	24°32.3'	77°35.2'	113°18.8'	112°05.8'	33°51.5'
5	17°00.2'	25°03.4'	78°07.7'	113°51.1'	112°36.9'	34°12.2'
6	17°30.6'	25°34.5'	78°40.3'	114°23.4'	113°08.0'	34°33.1'
7	18°01.0'	26°05.7'	79°12.8'	114°55.6'	113°39.1'	34°54.3'
8	18°31.5'	26°36.9'	79°45.3'	115°27.9'	114°10.1'	35°15.8'
9	19°02.0'	27°08.1'	80°17.7'	116°00.0'	114°41.1'	35°37.5'
10	19°32.4'	27°39.4'	80°50.2'	116°32.2'	115°12.1'	35°59.4'
11	20°02.9'	28°10.6'	81°22.6'	117°04.4'	115°43.1'	36°21.5'
12	20°33.3'	28°41.9'	81°55.0'	117°36.5'	116°14.0'	36°43.8'
13	21°03.8'	29°13.2'	82°27.4'	118°08.6'	116°44.8'	37°06.3'
14	21°34.3'	29°44.6'	82°59.7'	118°40.7'	117°15.7'	37°29.0'
15	22°04.7'	30°15.9'	83°32.1'	119°12.7'	117°46.5'	37°51.9'
16	22°35.2'	30°47.2'	84°04.4'	119°44.7'	118°17.2'	38°15.0'
17	23°05.6'	31°18.6'	84°36.7'	120°16.7'	118°48.0'	38°38.2'
18	23°36.0'	31°50.0'	85°09.0'	120°48.7'	119°18.6'	39°01.7'
19	24°06.5'	32°21.3'	85°41.2'	121°20.6'	119°49.3'	39°25.2'
20	24°36.9'	32°52.7'	86°13.5'	121°52.6'	120°19.9'	39°49.0'
21	25°07.3'	33°24.1'	86°45.7'	122°24.5'	120°50.5'	40°12.8'
22	25°37.6'	33°55.5'	87°17.9'	122°56.3'	121°21.0'	40°36.9'
23	26°08.0'	34°26.9'	87°50.0'	123°28.2'	121°51.5'	41°01.0'

Thu Dec 6, 2018 UTC

UTC	+Spica Lunar Dist.	+Venus Lunar Dist.	+Regulus Lunar Dist.	+Arcturus Lunar Dist.
0	34°58.2'	26°38.4'	88°22.2'	41°25.3'
1	35°29.6'	27°08.7'	88°54.3'	41°49.7'
2	36°01.0'	27°39.1'	89°26.4'	42°14.3'
3	36°32.4'	28°09.4'	89°58.5'	42°39.0'
4	37°03.8'	28°39.7'	90°30.5'	43°03.8'
5	37°35.1'	29°09.9'	91°02.6'	43°28.7'
6	38°06.5'	29°40.2'	91°34.6'	43°53.7'
7	38°37.9'	30°10.5'	92°06.6'	44°18.8'
8	39°09.2'	30°40.7'	92°38.6'	44°44.0'
9	39°40.6'	31°10.9'	93°10.5'	45°09.3'
10	40°11.9'	31°41.1'	93°42.4'	45°34.7'
11	40°43.2'	32°11.3'	94°14.3'	46°00.2'
12	41°14.6'	32°41.4'	94°46.2'	46°25.7'
13	41°45.9'	33°11.6'	95°18.1'	46°51.4'
14	42°17.2'	33°41.7'	95°49.9'	47°17.1'
15	42°48.5'	34°11.8'	96°21.7'	47°42.9'
16	43°19.8'	34°41.9'	96°53.5'	48°08.8'
17	43°51.0'	35°11.9'	97°25.3'	48°34.8'
18	44°22.3'	35°42.0'	97°57.1'	49°00.8'
19	44°53.5'	36°12.0'	98°28.8'	49°26.9'
20	45°24.8'	36°42.0'	99°00.5'	49°53.0'
21	45°56.0'	37°12.0'	99°32.2'	50°19.2'
22	46°27.2'	37°41.9'	100°03.9'	50°45.5'
23	46°58.4'	38°11.9'	100°35.5'	51°11.8'

Sun Dec 9, 2018 UTC

UTC	−Formalhaut Lunar Dist.	−Mars Lunar Dist.	−Altair Lunar Dist.
0	61°10.3′	68°35.2′	36°52.9′
1	60°41.6′	68°06.3′	36°35.6′
2	60°13.1′	67°37.4′	36°18.7′
3	59°44.5′	67°08.5′	36°01.9′
4	59°16.0′	66°39.7′	35°45.5′
5	58°47.5′	66°10.8′	35°29.3′
6	58°19.1′	65°42.0′	35°13.5′
7	57°50.7′	65°13.2′	34°57.9′
8	57°22.3′	64°44.4′	34°42.6′
9	56°54.0′	64°15.7′	34°27.6′
10	56°25.7′	63°46.9′	34°12.9′
11	55°57.5′	63°18.2′	33°58.6′
12	55°29.3′	62°49.5′	33°44.5′
13	55°01.2′	62°20.8′	33°30.8′
14	54°33.1′	61°52.1′	33°17.4′
15	54°05.0′	61°23.5′	33°04.4′
16	53°37.0′	60°54.9′	32°51.7′
17	53°09.0′	60°26.3′	32°39.3′
18	52°41.1′	59°57.7′	32°27.3′
19	52°13.2′	59°29.1′	32°15.7′
20	51°45.4′	59°00.5′	32°04.4′
21	51°17.6′	58°32.0′	31°53.5′
22	50°49.9′	58°03.5′	31°43.0′
23	50°22.2′	57°35.0′	31°32.9′

Mon Dec 10, 2018 UTC

UTC	+Saturn Lunar Dist.	−Mars Lunar Dist.	−Formalhaut Lunar Dist.	−Achernar Lunar Dist.
0	9°24.8′	57°06.5′	49°54.6′	74°46.6′
1	9°54.5′	56°38.0′	49°27.0′	74°30.9′
2	10°24.1′	56°09.6′	48°59.5′	74°15.2′
3	10°53.8′	55°41.2′	48°32.0′	73°59.6′
4	11°23.5′	55°12.8′	48°04.6′	73°44.1′
5	11°53.1′	54°44.4′	47°37.2′	73°28.6′
6	12°22.8′	54°16.0′	47°09.9′	73°13.2′
7	12°52.5′	53°47.6′	46°42.7′	72°57.8′
8	13°22.1′	53°19.3′	46°15.5′	72°42.5′
9	13°51.7′	52°51.0′	45°48.4′	72°27.3′
10	14°21.4′	52°22.7′	45°21.3′	72°12.2′
11	14°51.0′	51°54.4′	44°54.3′	71°57.1′
12	15°20.6′	51°26.1′	44°27.3′	71°42.1′
13	15°50.2′	50°57.8′	44°00.5′	71°27.1′
14	16°19.8′	50°29.6′	43°33.6′	71°12.3′
15	16°49.4′	50°01.4′	43°06.9′	70°57.5′
16	17°19.0′	49°33.1′	42°40.2′	70°42.8′
17	17°48.5′	49°04.9′	42°13.6′	70°28.2′
18	18°18.1′	48°36.8′	41°47.1′	70°13.6′
19	18°47.6′	48°08.6′	41°20.6′	69°59.1′
20	19°17.2′	47°40.4′	40°54.2′	69°44.7′
21	19°46.7′	47°12.3′	40°27.9′	69°30.4′
22	20°16.2′	46°44.2′	40°01.7′	69°16.2′
23	20°45.7′	46°16.1′	39°35.6′	69°02.0′

Tue Dec 11, 2018 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	-Mars Lunar Dist.	-Formalhaut Lunar Dist.
0	41°17.6'	21°15.2'	45°48.0'	39°09.5'
1	41°44.7'	21°44.7'	45°19.9'	38°43.5'
2	42°11.9'	22°14.1'	44°51.8'	38°17.7'
3	42°39.0'	22°43.6'	44°23.8'	37°51.9'
4	43°06.2'	23°13.1'	43°55.7'	37°26.2'
5	43°33.3'	23°42.5'	43°27.7'	37°00.6'
6	44°00.4'	24°11.9'	42°59.7'	36°35.1'
7	44°27.5'	24°41.3'	42°31.7'	36°09.7'
8	44°54.6'	25°10.8'	42°03.7'	35°44.4'
9	45°21.7'	25°40.2'	41°35.7'	35°19.2'
10	45°48.7'	26°09.6'	41°07.7'	34°54.1'
11	46°15.8'	26°38.9'	40°39.8'	34°29.1'
12	46°42.9'	27°08.3'	40°11.8'	34°04.3'
13	47°09.9'	27°37.7'	39°43.9'	33°39.6'
14	47°37.0'	28°07.0'	39°16.0'	33°15.0'
15	48°04.0'	28°36.4'	38°48.1'	32°50.5'
16	48°31.0'	29°05.7'	38°20.2'	32°26.2'
17	48°58.0'	29°35.1'	37°52.3'	32°02.0'
18	49°25.1'	30°04.4'	37°24.4'	31°37.9'
19	49°52.1'	30°33.7'	36°56.6'	31°14.0'
20	50°19.1'	31°03.0'	36°28.7'	30°50.3'
21	50°46.1'	31°32.3'	36°00.9'	30°26.7'
22	51°13.0'	32°01.6'	35°33.0'	30°03.3'
23	51°40.0'	32°30.9'	35°05.2'	29°40.1'

Wed Dec 12, 2018 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	-Mars Lunar Dist.	-Formalhaut Lunar Dist.	-Aldebaran Lunar Dist.	-Rigel Lunar Dist.
0	52°07.0'	33°00.2'	34°37.4'	29°17.0'	117°45.9'	118°41.3'
1	52°34.0'	33°29.5'	34°09.6'	28°54.1'	117°16.4'	118°16.2'
2	53°00.9'	33°58.8'	33°41.8'	28°31.4'	116°46.8'	117°51.1'
3	53°27.9'	34°28.1'	33°14.0'	28°08.9'	116°17.3'	117°25.9'
4	53°54.9'	34°57.3'	32°46.3'	27°46.7'	115°47.7'	117°00.7'
5	54°21.8'	35°26.6'	32°18.5'	27°24.6'	115°18.2'	116°35.4'
6	54°48.8'	35°55.8'	31°50.7'	27°02.7'	114°48.6'	116°10.2'
7	55°15.7'	36°25.1'	31°23.0'	26°41.1'	114°19.1'	115°44.9'
8	55°42.7'	36°54.3'	30°55.3'	26°19.8'	113°49.5'	115°19.5'
9	56°09.6'	37°23.6'	30°27.5'	25°58.6'	113°20.0'	114°54.2'
10	56°36.6'	37°52.8'	29°59.8'	25°37.8'	112°50.5'	114°28.8'
11	57°03.5'	38°22.1'	29°32.1'	25°17.2'	112°20.9'	114°03.4'
12	57°30.4'	38°51.3'	29°04.4'	24°56.9'	111°51.4'	113°37.9'
13	57°57.4'	39°20.5'	28°36.7'	24°36.9'	111°21.9'	113°12.5'
14	58°24.3'	39°49.8'	28°09.0'	24°17.2'	110°52.4'	112°47.0'
15	58°51.2'	40°19.0'	27°41.4'	23°57.8'	110°22.9'	112°21.4'
16	59°18.1'	40°48.2'	27°13.7'	23°38.7'	109°53.4'	111°55.9'
17	59°45.1'	41°17.5'	26°46.0'	23°20.0'	109°23.8'	111°30.3'
18	60°12.0'	41°46.7'	26°18.4'	23°01.6'	108°54.3'	111°04.7'
19	60°38.9'	42°15.9'	25°50.7'	22°43.6'	108°24.8'	110°39.1'
20	61°05.9'	42°45.2'	25°23.1'	22°26.0'	107°55.3'	110°13.5'
21	61°32.8'	43°14.4'	24°55.5'	22°08.8'	107°25.8'	109°47.8'
22	61°59.7'	43°43.6'	24°27.9'	21°52.0'	106°56.3'	109°22.1'
23	62°26.6'	44°12.8'	24°00.3'	21°35.7'	106°26.8'	108°56.4'

Thu Dec 13, 2018 UTC

UTC	+Sun Lunar Dist.	-Mars Lunar Dist.	+Saturn Lunar Dist.	-Aldebaran Lunar Dist.	-Rigel Lunar Dist.	-Capella Lunar Dist.	+Altair Lunar Dist.
0	62°53.6'	23°32.7'	44°42.1'	105°57.3'	108°30.7'	116°56.0'	37°52.6'
1	63°20.5'	23°05.1'	45°11.3'	105°27.7'	108°04.9'	116°30.2'	38°10.2'
2	63°47.4'	22°37.5'	45°40.5'	104°58.2'	107°39.2'	116°04.4'	38°28.1'
3	64°14.4'	22°10.0'	46°09.8'	104°28.7'	107°13.4'	115°38.6'	38°46.1'
4	64°41.3'	21°42.4'	46°39.0'	103°59.2'	106°47.6'	115°12.7'	39°04.4'
5	65°08.3'	21°14.9'	47°08.2'	103°29.7'	106°21.7'	114°46.8'	39°22.8'
6	65°35.2'	20°47.4'	47°37.5'	103°00.1'	105°55.9'	114°20.8'	39°41.4'
7	66°02.2'	20°19.8'	48°06.7'	102°30.6'	105°30.0'	113°54.9'	40°00.2'
8	66°29.1'	19°52.3'	48°36.0'	102°01.1'	105°04.1'	113°28.9'	40°19.2'
9	66°56.1'	19°24.9'	49°05.2'	101°31.5'	104°38.2'	113°02.9'	40°38.4'
10	67°23.0'	18°57.4'	49°34.5'	101°02.0'	104°12.3'	112°36.8'	40°57.7'
11	67°50.0'	18°29.9'	50°03.8'	100°32.5'	103°46.3'	112°10.7'	41°17.2'
12	68°17.0'	18°02.5'	50°33.0'	100°02.9'	103°20.3'	111°44.6'	41°36.9'
13	68°44.0'	17°35.1'	51°02.3'	99°33.4'	102°54.3'	111°18.5'	41°56.8'
14	69°11.0'	17°07.7'	51°31.6'	99°03.8'	102°28.3'	110°52.3'	42°16.7'
15	69°37.9'	16°40.3'	52°00.9'	98°34.2'	102°02.3'	110°26.1'	42°36.9'
16	70°04.9'	16°13.0'	52°30.1'	98°04.7'	101°36.3'	109°59.9'	42°57.2'
17	70°32.0'	15°45.7'	52°59.4'	97°35.1'	101°10.2'	109°33.7'	43°17.7'
18	70°59.0'	15°18.4'	53°28.7'	97°05.5'	100°44.1'	109°07.4'	43°38.3'
19	71°26.0'	14°51.2'	53°58.1'	96°35.9'	100°18.0'	108°41.1'	43°59.0'
20	71°53.0'	14°23.9'	54°27.4'	96°06.3'	99°51.9'	108°14.8'	44°19.9'
21	72°20.1'	13°56.8'	54°56.7'	95°36.7'	99°25.8'	107°48.5'	44°40.9'
22	72°47.1'	13°29.7'	55°26.0'	95°07.1'	98°59.7'	107°22.1'	45°02.0'
23	73°14.2'	13°02.6'	55°55.4'	94°37.4'	98°33.5'	106°55.7'	45°23.3'

Fri Dec 14, 2018 UTC

UTC	+Sun Lunar Dist.	-Mars Lunar Dist.	+Saturn Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.
0	73°41.2'	12°35.6'	56°24.7'	94°07.8'	111°28.1'	45°44.7'	98°07.3'
1	74°08.3'	12°08.6'	56°54.1'	93°38.2'	110°59.4'	46°06.3'	97°41.1'
2	74°35.4'	11°41.7'	57°23.5'	93°08.5'	110°30.7'	46°27.9'	97°14.9'
3	75°02.5'	11°14.9'	57°52.9'	92°38.8'	110°01.9'	46°49.7'	96°48.7'
4	75°29.6'	10°48.2'	58°22.3'	92°09.2'	109°33.2'	47°11.6'	96°22.4'
5	75°56.7'	10°21.7'	58°51.7'	91°39.5'	109°04.4'	47°33.6'	95°56.2'
6	76°23.8'	9°55.2'	59°21.1'	91°09.8'	108°35.6'	47°55.7'	95°29.9'
7	76°51.0'	9°28.8'	59°50.5'	90°40.1'	108°06.8'	48°17.9'	95°03.6'
8	77°18.1'	9°02.7'	60°20.0'	90°10.3'	107°37.9'	48°40.3'	94°37.3'
9	77°45.3'	8°36.7'	60°49.4'	89°40.6'	107°09.1'	49°02.7'	94°11.0'
10	78°12.5'	8°10.9'	61°18.9'	89°10.8'	106°40.2'	49°25.3'	93°44.6'
11	78°39.7'	7°45.4'	61°48.4'	88°41.1'	106°11.4'	49°48.0'	93°18.3'
12	79°06.9'	7°20.2'	62°17.9'	88°11.3'	105°42.5'	50°10.7'	92°51.9'
13	79°34.1'	6°55.4'	62°47.4'	87°41.5'	105°13.6'	50°33.6'	92°25.5'
14	80°01.3'	6°31.0'	63°16.9'	87°11.7'	104°44.6'	50°56.6'	91°59.1'
15	80°28.6'	6°07.2'	63°46.4'	86°41.9'	104°15.7'	51°19.6'	91°32.7'
16	80°55.9'	5°43.9'	64°16.0'	86°12.1'	103°46.7'	51°42.8'	91°06.3'
17	81°23.1'	–	64°45.5'	85°42.2'	103°17.7'	52°06.0'	90°39.8'
18	81°50.4'	–	65°15.1'	85°12.4'	102°48.7'	52°29.3'	90°13.4'
19	82°17.7'	–	65°44.7'	84°42.5'	102°19.7'	52°52.8'	89°46.9'
20	82°45.1'	–	66°14.3'	84°12.6'	101°50.7'	53°16.3'	89°20.4'
21	83°12.4'	–	66°44.0'	83°42.7'	101°21.6'	53°39.9'	88°53.9'
22	83°39.8'	–	67°13.6'	83°12.7'	100°52.5'	54°03.6'	88°27.4'
23	84°07.2'	–	67°43.3'	82°42.8'	100°23.4'	54°27.3'	88°00.9'

Sat Dec 15, 2018 UTC

UTC	+Sun Lunar Dist.	+Saturn Lunar Dist.	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.	-Capella Lunar Dist.
0	84°34.6'	68°13.0'	82°12.8'	99°54.3'	54°51.2'	87°34.3'	95°48.6'
1	85°02.0'	68°42.7'	81°42.8'	99°25.1'	55°15.1'	87°07.8'	95°21.6'
2	85°29.4'	69°12.4'	81°12.8'	98°56.0'	55°39.2'	86°41.2'	94°54.6'
3	85°56.9'	69°42.1'	80°42.8'	98°26.8'	56°03.3'	86°14.6'	94°27.6'
4	86°24.4'	70°11.9'	80°12.8'	97°57.6'	56°27.4'	85°48.0'	94°00.5'
5	86°51.9'	70°41.7'	79°42.7'	97°28.4'	56°51.7'	85°21.4'	93°33.5'
6	87°19.4'	71°11.5'	79°12.6'	96°59.1'	57°16.0'	84°54.8'	93°06.4'
7	87°46.9'	71°41.3'	78°42.5'	96°29.8'	57°40.4'	84°28.1'	92°39.3'
8	88°14.5'	72°11.1'	78°12.4'	96°00.5'	58°04.9'	84°01.5'	92°12.2'
9	88°42.1'	72°41.0'	77°42.3'	95°31.2'	58°29.4'	83°34.8'	91°45.0'
10	89°09.7'	73°10.9'	77°12.1'	95°01.9'	58°54.1'	83°08.1'	91°17.8'
11	89°37.3'	73°40.8'	76°41.9'	94°32.5'	59°18.8'	82°41.5'	90°50.6'
12	90°05.0'	74°10.7'	76°11.7'	94°03.1'	59°43.5'	82°14.8'	90°23.4'
13	90°32.6'	74°40.7'	75°41.5'	93°33.7'	60°08.4'	81°48.0'	89°56.2'
14	91°00.3'	75°10.7'	75°11.2'	93°04.3'	60°33.3'	81°21.3'	89°28.9'
15	91°28.0'	75°40.7'	74°40.9'	92°34.8'	60°58.2'	80°54.6'	89°01.7'
16	91°55.8'	76°10.7'	74°10.6'	92°05.4'	61°23.3'	80°27.8'	88°34.4'
17	92°23.6'	76°40.7'	73°40.3'	91°35.9'	61°48.4'	80°01.1'	88°07.1'
18	92°51.4'	77°10.8'	73°09.9'	91°06.3'	62°13.6'	79°34.3'	87°39.7'
19	93°19.2'	77°40.9'	72°39.5'	90°36.8'	62°38.8'	79°07.5'	87°12.4'
20	93°47.0'	78°11.1'	72°09.1'	90°07.2'	63°04.1'	78°40.7'	86°45.0'
21	94°14.9'	78°41.2'	71°38.7'	89°37.6'	63°29.5'	78°13.9'	86°17.6'
22	94°42.8'	79°11.4'	71°08.2'	89°08.0'	63°54.9'	77°47.1'	85°50.2'
23	95°10.7'	79°41.6'	70°37.8'	88°38.3'	64°20.4'	77°20.2'	85°22.7'

Sun Dec 16, 2018 UTC

UTC	+Sun Lunar Dist.	+Mars Lunar Dist.	-Aldebaran Lunar Dist.	+Saturn Lunar Dist.	+Formalhaut Lunar Dist.	-Betelgeuse Lunar Dist.	-Rigel Lunar Dist.
0	95°38.7'	11°04.2'	70°07.3'	80°11.8'	29°45.2'	88°08.6'	76°53.4'
1	96°06.6'	11°31.8'	69°36.7'	80°42.1'	30°09.2'	87°38.9'	76°26.6'
2	96°34.6'	11°59.5'	69°06.1'	81°12.4'	30°33.4'	87°09.2'	75°59.7'
3	97°02.7'	12°27.4'	68°35.6'	81°42.7'	30°57.9'	86°39.4'	75°32.8'
4	97°30.7'	12°55.3'	68°04.9'	82°13.0'	31°22.5'	86°09.7'	75°06.0'
5	97°58.8'	13°23.3'	67°34.3'	82°43.4'	31°47.3'	85°39.8'	74°39.1'
6	98°27.0'	13°51.5'	67°03.6'	83°13.8'	32°12.2'	85°10.0'	74°12.2'
7	98°55.1'	14°19.7'	66°32.9'	83°44.2'	32°37.4'	84°40.1'	73°45.3'
8	99°23.3'	14°48.0'	66°02.2'	84°14.7'	33°02.7'	84°10.2'	73°18.4'
9	99°51.5'	15°16.4'	65°31.4'	84°45.2'	33°28.1'	83°40.3'	72°51.5'
10	100°19.7'	15°44.8'	65°00.6'	85°15.7'	33°53.8'	83°10.4'	72°24.6'
11	100°48.0'	16°13.4'	64°29.8'	85°46.2'	34°19.5'	82°40.4'	71°57.6'
12	101°16.3'	16°42.0'	63°58.9'	86°16.8'	34°45.4'	82°10.4'	71°30.7'
13	101°44.7'	17°10.6'	63°28.0'	86°47.4'	35°11.5'	81°40.3'	71°03.8'
14	102°13.0'	17°39.3'	62°57.1'	87°18.1'	35°37.7'	81°10.3'	70°36.8'
15	102°41.4'	18°08.1'	62°26.1'	87°48.8'	36°04.0'	80°40.2'	70°09.9'
16	103°09.9'	18°37.0'	61°55.1'	88°19.5'	36°30.5'	80°10.1'	69°42.9'
17	103°38.3'	19°05.9'	61°24.1'	88°50.2'	36°57.1'	79°39.9'	69°16.0'
18	104°06.8'	19°34.8'	60°53.0'	89°21.0'	37°23.8'	79°09.7'	68°49.0'
19	104°35.4'	20°03.8'	60°22.0'	89°51.8'	37°50.7'	78°39.5'	68°22.0'
20	105°03.9'	20°32.9'	59°50.8'	90°22.7'	38°17.7'	78°09.3'	67°55.1'
21	105°32.5'	21°02.0'	59°19.7'	90°53.6'	38°44.7'	77°39.0'	67°28.1'
22	106°01.2'	21°31.2'	58°48.5'	91°24.5'	39°12.0'	77°08.7'	67°01.2'
23	106°29.8'	22°00.4'	58°17.3'	91°55.4'	39°39.3'	76°38.4'	66°34.2'

Mon Dec 17, 2018 UTC

UTC	+Sun Lunar Dist.	+Mars Lunar Dist.	-Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.	-Betelgeuse Lunar Dist.	+Saturn Lunar Dist.	-Pollux Lunar Dist.
0	106°58.5'	22°29.7'	57°46.0'	40°06.7'	76°08.0'	92°26.4'	101°55.9'
1	107°27.3'	22°59.0'	57°14.7'	40°34.2'	75°37.6'	92°57.4'	101°24.8'
2	107°56.1'	23°28.4'	56°43.4'	41°01.9'	75°07.2'	93°28.5'	100°53.7'
3	108°24.9'	23°57.8'	56°12.0'	41°29.6'	74°36.7'	93°59.6'	100°22.5'
4	108°53.7'	24°27.2'	55°40.6'	41°57.5'	74°06.2'	94°30.7'	99°51.4'
5	109°22.6'	24°56.8'	55°09.1'	42°25.4'	73°35.7'	95°01.9'	99°20.1'
6	109°51.5'	25°26.3'	54°37.7'	42°53.5'	73°05.2'	95°33.1'	98°48.9'
7	110°20.5'	25°55.9'	54°06.1'	43°21.6'	72°34.6'	96°04.3'	98°17.6'
8	110°49.5'	26°25.6'	53°34.6'	43°49.9'	72°04.0'	96°35.6'	97°46.2'
9	111°18.5'	26°55.3'	53°03.0'	44°18.2'	71°33.3'	97°06.9'	97°14.9'
10	111°47.6'	27°25.0'	52°31.4'	44°46.7'	71°02.7'	97°38.3'	96°43.5'
11	112°16.7'	27°54.8'	51°59.7'	45°15.2'	70°31.9'	98°09.7'	96°12.0'
12	112°45.9'	28°24.7'	51°28.0'	45°43.8'	70°01.2'	98°41.1'	95°40.5'
13	113°15.1'	28°54.5'	50°56.2'	46°12.5'	69°30.4'	99°12.6'	95°09.0'
14	113°44.3'	29°24.5'	50°24.5'	46°41.3'	68°59.6'	99°44.1'	94°37.4'
15	114°13.6'	29°54.4'	49°52.6'	47°10.2'	68°28.8'	100°15.7'	94°05.8'
16	114°42.9'	30°24.5'	49°20.8'	47°39.1'	67°57.9'	100°47.3'	93°34.2'
17	115°12.3'	30°54.5'	48°48.9'	48°08.2'	67°27.1'	101°18.9'	93°02.5'
18	115°41.6'	31°24.7'	48°16.9'	48°37.3'	66°56.1'	101°50.6'	92°30.7'
19	116°11.1'	31°54.8'	47°44.9'	49°06.5'	66°25.2'	102°22.3'	91°59.0'
20	116°40.6'	32°25.0'	47°12.9'	49°35.8'	65°54.2'	102°54.0'	91°27.2'
21	117°10.1'	32°55.3'	46°40.8'	50°05.2'	65°23.2'	103°25.8'	90°55.3'
22	117°39.6'	33°25.6'	46°08.7'	50°34.6'	64°52.1'	103°57.7'	90°23.4'
23	118°09.2'	33°55.9'	45°36.6'	51°04.1'	64°21.0'	104°29.6'	89°51.5'

Tue Dec 18, 2018 UTC

UTC	+Sun Lunar Dist.	-Aldebaran Lunar Dist.	+Mars Lunar Dist.	-Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	-Pollux Lunar Dist.	-Procyon Lunar Dist.
0	118°38.9'	45°04.4'	34°26.3'	63°49.9'	51°33.7'	89°19.5'	89°46.9'
1	119°08.6'	44°32.1'	34°56.8'	63°18.8'	52°03.4'	88°47.5'	89°15.8'
2	119°38.3'	43°59.9'	35°27.3'	62°47.6'	52°33.2'	88°15.4'	88°44.7'
3	120°08.1'	43°27.5'	35°57.8'	62°16.4'	53°03.0'	87°43.3'	88°13.6'
4	120°37.9'	42°55.2'	36°28.4'	61°45.2'	53°32.9'	87°11.2'	87°42.5'
5	121°07.7'	42°22.8'	36°59.0'	61°13.9'	54°02.9'	86°39.0'	87°11.3'
6	121°37.6'	41°50.3'	37°29.7'	60°42.6'	54°32.9'	86°06.7'	86°40.0'
7	122°07.6'	41°17.8'	38°00.4'	60°11.3'	55°03.1'	85°34.5'	86°08.8'
8	122°37.5'	40°45.3'	38°31.1'	59°39.9'	55°33.2'	85°02.1'	85°37.4'
9	123°07.6'	40°12.7'	39°02.0'	59°08.5'	56°03.5'	84°29.8'	85°06.1'
10	123°37.7'	39°40.1'	39°32.8'	58°37.1'	56°33.8'	83°57.4'	84°34.7'
11	124°07.8'	39°07.4'	40°03.7'	58°05.7'	57°04.2'	83°24.9'	84°03.2'
12	124°37.9'	38°34.7'	40°34.7'	57°34.2'	57°34.7'	82°52.4'	83°31.7'
13	125°08.1'	38°02.0'	41°05.7'	57°02.7'	58°05.3'	82°19.9'	83°00.2'
14	125°38.4'	37°29.2'	41°36.7'	56°31.2'	58°35.9'	81°47.3'	82°28.7'
15	126°08.7'	36°56.3'	42°07.8'	55°59.6'	59°06.5'	81°14.7'	81°57.1'
16	126°39.0'	36°23.4'	42°39.0'	55°28.0'	59°37.3'	80°42.0'	81°25.4'
17	127°09.4'	35°50.5'	43°10.2'	54°56.4'	60°08.1'	80°09.3'	80°53.7'
18	127°39.8'	35°17.5'	43°41.4'	54°24.8'	60°38.9'	79°36.5'	80°22.0'
19	128°10.3'	34°44.5'	44°12.7'	53°53.1'	61°09.9'	79°03.7'	79°50.2'
20	128°40.8'	34°11.5'	44°44.0'	53°21.5'	61°40.9'	78°30.9'	79°18.4'
21	129°11.4'	33°38.3'	45°15.4'	52°49.8'	62°12.0'	77°58.0'	78°46.6'
22	129°42.0'	33°05.2'	45°46.8'	52°18.0'	62°43.1'	77°25.0'	78°14.7'
23	130°12.7'	32°32.0'	46°18.3'	51°46.3'	63°14.3'	76°52.0'	77°42.8'

Wed Dec 19, 2018 UTC

UTC	−Aldebaran Lunar Dist.	+Mars Lunar Dist.	−Betelgeuse Lunar Dist.	−Pollux Lunar Dist.	+Formalhaut Lunar Dist.	−Procyon Lunar Dist.	−Capella Lunar Dist.
0	31°58.8'	46°49.8'	51°14.5'	76°19.0'	63°45.5'	77°10.8'	51°26.5'
1	31°25.5'	47°21.4'	50°42.7'	75°45.9'	64°16.9'	76°38.8'	50°58.8'
2	30°52.1'	47°53.0'	50°10.9'	75°12.8'	64°48.2'	76°06.8'	50°31.2'
3	30°18.8'	48°24.7'	49°39.1'	74°39.7'	65°19.7'	75°34.7'	50°03.6'
4	29°45.3'	48°56.4'	49°07.2'	74°06.4'	65°51.2'	75°02.6'	49°36.1'
5	29°11.9'	49°28.2'	48°35.3'	73°33.2'	66°22.7'	74°30.4'	49°08.6'
6	28°38.3'	49°60.0'	48°03.5'	72°59.9'	66°54.4'	73°58.3'	48°41.2'
7	28°04.8'	50°31.8'	47°31.6'	72°26.5'	67°26.1'	73°26.0'	48°13.9'
8	27°31.2'	51°03.8'	46°59.6'	71°53.2'	67°57.8'	72°53.8'	47°46.6'
9	26°57.5'	51°35.7'	46°27.7'	71°19.7'	68°29.6'	72°21.5'	47°19.3'
10	26°23.8'	52°07.7'	45°55.8'	70°46.2'	69°01.5'	71°49.1'	46°52.2'
11	25°50.1'	52°39.8'	45°23.8'	70°12.7'	69°33.4'	71°16.8'	46°25.1'
12	25°16.3'	53°11.9'	44°51.9'	69°39.2'	70°05.4'	70°44.3'	45°58.1'
13	24°42.5'	53°44.0'	44°19.9'	69°05.5'	70°37.4'	70°11.9'	45°31.2'
14	24°08.6'	54°16.2'	43°47.9'	68°31.9'	71°09.5'	69°39.4'	45°04.3'
15	23°34.7'	54°48.5'	43°15.9'	67°58.2'	71°41.7'	69°06.9'	44°37.6'
16	23°00.8'	55°20.8'	42°44.0'	67°24.4'	72°13.9'	68°34.4'	44°10.9'
17	22°26.8'	55°53.1'	42°12.0'	66°50.6'	72°46.1'	68°01.8'	43°44.3'
18	21°52.7'	56°25.5'	41°40.0'	66°16.8'	73°18.4'	67°29.2'	43°17.9'
19	21°18.7'	56°57.9'	41°08.0'	65°42.9'	73°50.8'	66°56.5'	42°51.5'
20	20°44.5'	57°30.4'	40°36.1'	65°09.0'	74°23.3'	66°23.8'	42°25.3'
21	20°10.4'	58°02.9'	40°04.1'	64°35.0'	74°55.7'	65°51.1'	41°59.2'
22	19°36.2'	58°35.5'	39°32.1'	64°01.0'	75°28.3'	65°18.4'	41°33.2'
23	19°01.9'	59°08.1'	39°00.2'	63°27.0'	76°00.9'	64°45.6'	41°07.3'

Thu Dec 20, 2018 UTC

UTC	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	−Pollux Lunar Dist.	+Mars Lunar Dist.	−Procyon Lunar Dist.	+Formalhaut Lunar Dist.	−Regulus Lunar Dist.
0	18°27.6'	38°28.3'	62°52.9'	59°40.8'	64°12.8'	76°33.5'	98°34.0'
1	17°53.3'	37°56.4'	62°18.7'	60°13.5'	63°40.0'	77°06.2'	97°59.6'
2	17°19.0'	37°24.5'	61°44.5'	60°46.3'	63°07.1'	77°39.0'	97°25.1'
3	16°44.6'	36°52.6'	61°10.3'	61°19.1'	62°34.2'	78°11.8'	96°50.6'
4	16°10.1'	36°20.8'	60°36.1'	61°52.0'	62°01.3'	78°44.6'	96°16.0'
5	15°35.7'	35°49.0'	60°01.7'	62°24.9'	61°28.4'	79°17.5'	95°41.4'
6	15°01.2'	35°17.2'	59°27.4'	62°57.9'	60°55.4'	79°50.5'	95°06.7'
7	14°26.7'	34°45.5'	58°53.0'	63°30.9'	60°22.4'	80°23.5'	94°32.0'
8	13°52.1'	34°13.8'	58°18.6'	64°03.9'	59°49.4'	80°56.5'	93°57.3'
9	13°17.5'	33°42.1'	57°44.1'	64°37.0'	59°16.4'	81°29.6'	93°22.4'
10	12°42.9'	33°10.6'	57°09.6'	65°10.1'	58°43.3'	82°02.8'	92°47.6'
11	12°08.3'	32°39.0'	56°35.0'	65°43.3'	58°10.2'	82°36.0'	92°12.7'
12	11°33.7'	32°07.6'	56°00.4'	66°16.6'	57°37.1'	83°09.2'	91°37.8'
13	10°59.0'	31°36.2'	55°25.8'	66°49.8'	57°04.0'	83°42.5'	91°02.8'
14	10°24.4'	31°04.9'	54°51.1'	67°23.2'	56°30.9'	84°15.8'	90°27.7'
15	9°49.8'	30°33.6'	54°16.4'	67°56.5'	55°57.7'	84°49.2'	89°52.7'
16	9°15.1'	30°02.5'	53°41.6'	68°29.9'	55°24.5'	85°22.7'	89°17.5'
17	8°40.5'	29°31.4'	53°06.8'	69°03.4'	54°51.3'	85°56.1'	88°42.4'
18	8°06.0'	29°00.5'	52°32.0'	69°36.9'	54°18.2'	86°29.7'	88°07.2'
19	7°31.5'	28°29.6'	51°57.2'	70°10.4'	53°44.9'	87°03.2'	87°31.9'
20	6°57.1'	27°58.9'	51°22.3'	70°44.0'	53°11.7'	87°36.8'	86°56.6'
21	6°22.8'	27°28.3'	50°47.3'	71°17.7'	52°38.5'	88°10.5'	86°21.3'
22	5°48.7'	26°57.9'	50°12.3'	71°51.3'	52°05.3'	88°44.2'	85°45.9'
23	5°14.9'	26°27.6'	49°37.3'	72°25.1'	51°32.0'	89°17.9'	85°10.5'

Fri Dec 21, 2018 UTC

UTC	−Aldebaran Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Betelgeuse Lunar Dist.	−Regulus Lunar Dist.	+Mars Lunar Dist.	+Formalhaut Lunar Dist.
0	4°41.4'	49°02.3'	50°58.8'	25°57.5'	84°35.0'	72°58.8'	89°51.7'
1	4°08.4'	48°27.2'	50°25.5'	25°27.6'	83°59.5'	73°32.6'	90°25.5'
2	–	47°52.1'	49°52.3'	24°57.8'	83°24.0'	74°06.5'	90°59.4'
3	–	47°17.0'	49°19.0'	24°28.3'	82°48.4'	74°40.4'	91°33.2'
4	–	46°41.8'	48°45.8'	23°59.0'	82°12.7'	75°14.3'	92°07.2'
5	–	46°06.6'	48°12.5'	23°29.9'	81°37.1'	75°48.3'	92°41.2'
6	–	45°31.4'	47°39.3'	23°01.1'	81°01.3'	76°22.3'	93°15.2'
7	–	44°56.1'	47°06.1'	22°32.6'	80°25.6'	76°56.3'	93°49.2'
8	–	44°20.8'	46°32.9'	22°04.4'	79°49.8'	77°30.4'	94°23.3'
9	–	43°45.5'	45°59.7'	21°36.5'	79°14.0'	78°04.5'	94°57.4'
10	–	43°10.2'	45°26.5'	21°09.0'	78°38.1'	78°38.7'	95°31.5'
11	–	42°34.8'	44°53.3'	20°41.8'	78°02.2'	79°12.9'	96°05.7'
12	–	41°59.4'	44°20.2'	20°15.0'	77°26.2'	79°47.2'	96°39.9'
13	–	41°24.0'	43°47.1'	19°48.7'	76°50.2'	80°21.5'	97°14.2'
14	4°17.1'	40°48.6'	43°14.0'	19°22.9'	76°14.2'	80°55.8'	97°48.5'
15	4°50.8'	40°13.1'	42°40.9'	18°57.5'	75°38.1'	81°30.1'	98°22.8'
16	5°25.0'	39°37.6'	42°07.9'	18°32.7'	75°02.0'	82°04.5'	98°57.1'
17	5°59.7'	39°02.1'	41°34.9'	18°08.5'	74°25.9'	82°39.0'	99°31.5'
18	6°34.6'	38°26.6'	41°01.9'	17°45.0'	73°49.7'	83°13.4'	100°05.9'
19	7°09.8'	37°51.1'	40°29.0'	17°22.1'	73°13.5'	83°47.9'	100°40.3'
20	7°45.2'	37°15.5'	39°56.1'	16°59.9'	72°37.3'	84°22.5'	101°14.8'
21	8°20.7'	36°39.9'	39°23.3'	–	72°01.0'	84°57.1'	101°49.2'
22	8°56.4'	36°04.4'	38°50.6'	–	71°24.7'	85°31.7'	102°23.7'
23	9°32.2'	35°28.8'	38°17.9'	–	70°48.3'	86°06.3'	102°58.3'

Sat Dec 22, 2018 UTC

UTC	+Aldebaran Lunar Dist.	−Pollux Lunar Dist.	−Regulus Lunar Dist.	−Procyon Lunar Dist.	+Mars Lunar Dist.	+Formalhaut Lunar Dist.	+Achernar Lunar Dist.
0	10°08.1'	34°53.2'	70°12.0'	37°45.3'	86°41.0'	103°32.8'	89°30.7'
1	10°44.1'	34°17.6'	69°35.5'	37°12.7'	87°15.7'	104°07.4'	89°51.5'
2	11°20.2'	33°42.0'	68°59.1'	36°40.2'	87°50.4'	104°42.0'	90°12.2'
3	11°56.3'	33°06.3'	68°22.6'	36°07.8'	88°25.2'	105°16.6'	90°33.0'
4	12°32.5'	32°30.7'	67°46.1'	35°35.5'	88°60.0'	105°51.2'	90°53.8'
5	13°08.8'	31°55.1'	67°09.6'	35°03.3'	89°34.8'	106°25.9'	91°14.6'
6	13°45.1'	31°19.5'	66°33.0'	34°31.2'	90°09.7'	107°00.5'	91°35.5'
7	14°21.5'	30°43.9'	65°56.4'	33°59.1'	90°44.6'	107°35.2'	91°56.3'
8	14°57.9'	30°08.3'	65°19.8'	33°27.2'	91°19.5'	108°09.9'	92°17.1'
9	15°34.4'	29°32.7'	64°43.2'	32°55.5'	91°54.5'	108°44.6'	92°38.0'
10	16°10.9'	28°57.2'	64°06.5'	32°23.8'	92°29.4'	109°19.3'	92°58.9'
11	16°47.5'	28°21.6'	63°29.8'	31°52.3'	93°04.4'	109°54.1'	93°19.7'
12	17°24.1'	27°46.1'	62°53.0'	31°20.9'	93°39.5'	110°28.8'	93°40.6'
13	18°00.7'	27°10.6'	62°16.3'	30°49.7'	94°14.5'	111°03.6'	94°01.4'
14	18°37.4'	26°35.1'	61°39.5'	30°18.7'	94°49.6'	111°38.3'	94°22.3'
15	19°14.1'	25°59.6'	61°02.7'	29°47.8'	95°24.7'	112°13.1'	94°43.1'
16	19°50.9'	25°24.2'	60°25.8'	29°17.1'	95°59.8'	112°47.9'	95°04.0'
17	20°27.6'	24°48.9'	59°49.0'	28°46.6'	96°35.0'	113°22.6'	95°24.8'
18	21°04.4'	24°13.6'	59°12.1'	28°16.4'	97°10.2'	113°57.4'	95°45.6'
19	21°41.3'	23°38.3'	58°35.2'	27°46.3'	97°45.4'	114°32.2'	96°06.4'
20	22°18.2'	23°03.1'	57°58.3'	27°16.5'	98°20.6'	115°07.0'	96°27.2'
21	22°55.0'	22°28.0'	57°21.3'	26°47.0'	98°55.9'	115°41.8'	96°48.0'
22	23°32.0'	21°52.9'	56°44.3'	26°17.7'	99°31.1'	116°16.6'	97°08.7'
23	24°08.9'	21°18.0'	56°07.4'	25°48.7'	100°06.4'	116°51.3'	97°29.4'

Sun Dec 23, 2018 UTC

UTC	+Aldebaran Lunar Dist.	-Pollux Lunar Dist.	-Regulus Lunar Dist.	-Spica Lunar Dist.	-Procyon Lunar Dist.	+Mars Lunar Dist.	+Formalhaut Lunar Dist.
0	24°45.9'	20°43.1'	55°30.3'	109°22.1'	25°20.1'	100°41.7'	117°26.1'
1	25°22.9'	20°08.3'	54°53.3'	108°45.3'	24°51.7'	101°17.0'	118°00.9'
2	25°59.9'	19°33.7'	54°16.3'	108°08.6'	24°23.8'	101°52.4'	118°35.6'
3	26°36.9'	18°59.2'	53°39.2'	107°31.8'	23°56.2'	102°27.7'	119°10.4'
4	27°14.0'	18°24.8'	53°02.1'	106°55.0'	23°28.9'	103°03.1'	119°45.1'
5	27°51.1'	17°50.6'	52°25.0'	106°18.1'	23°02.2'	103°38.5'	120°19.9'
6	28°28.2'	17°16.6'	51°47.9'	105°41.3'	22°35.8'	104°13.9'	120°54.6'
7	29°05.3'	16°42.7'	51°10.8'	105°04.4'	22°10.0'	104°49.4'	121°29.3'
8	29°42.4'	16°09.1'	50°33.6'	104°27.6'	21°44.6'	105°24.8'	122°03.9'
9	30°19.6'	15°35.8'	49°56.5'	103°50.7'	21°19.8'	106°00.2'	122°38.6'
10	30°56.7'	15°02.7'	49°19.3'	103°13.8'	20°55.6'	106°35.7'	123°13.2'
11	31°33.9'	14°30.0'	48°42.1'	102°36.9'	20°31.9'	107°11.2'	123°47.8'
12	32°11.1'	13°57.6'	48°05.0'	101°59.9'	20°09.0'	107°46.7'	124°22.4'
13	32°48.3'	13°25.6'	47°27.7'	101°23.0'	19°46.7'	108°22.2'	124°57.0'
14	33°25.5'	12°54.0'	46°50.5'	100°46.0'	19°25.1'	108°57.7'	125°31.5'
15	34°02.8'	12°23.0'	46°13.3'	100°09.0'	–	109°33.2'	126°06.0'
16	34°40.0'	11°52.5'	45°36.1'	99°32.1'	–	110°08.7'	126°40.5'
17	35°17.3'	11°22.7'	44°58.8'	98°55.1'	–	110°44.3'	127°14.9'
18	35°54.5'	–	44°21.6'	98°18.1'	–	111°19.8'	127°49.3'
19	36°31.8'	–	43°44.3'	97°41.0'	–	111°55.4'	128°23.7'
20	37°09.1'	–	43°07.1'	97°04.0'	–	112°30.9'	128°58.0'
21	37°46.4'	–	42°29.8'	96°27.0'	–	113°06.5'	129°32.3'
22	38°23.7'	–	41°52.6'	95°50.0'	–	113°42.1'	130°06.5'
23	39°01.0'	–	41°15.3'	95°12.9'	–	114°17.7'	130°40.6'

Mon Dec 24, 2018 UTC

UTC	+Aldebaran Lunar Dist.	-Regulus Lunar Dist.	+Betelgeuse Lunar Dist.	-Spica Lunar Dist.	-Arcturus Lunar Dist.	+Mars Lunar Dist.	-Venus Lunar Dist.
0	39°38.3'	40°38.0'	25°20.7'	94°35.9'	94°39.5'	114°53.2'	116°27.3'
1	40°15.6'	40°00.7'	25°52.1'	93°58.8'	94°05.8'	115°28.8'	115°52.2'
2	40°53.0'	39°23.4'	26°23.8'	93°21.8'	93°32.1'	116°04.4'	115°17.1'
3	41°30.3'	38°46.2'	26°55.7'	92°44.7'	92°58.4'	116°40.0'	114°42.0'
4	42°07.6'	38°08.9'	27°27.8'	92°07.6'	92°24.6'	117°15.6'	114°06.9'
5	42°45.0'	37°31.6'	28°00.1'	91°30.6'	91°50.9'	117°51.2'	113°31.8'
6	43°22.3'	36°54.3'	28°32.6'	90°53.5'	91°17.2'	118°26.7'	112°56.8'
7	43°59.6'	36°17.1'	29°05.3'	90°16.4'	90°43.4'	119°02.3'	112°21.7'
8	44°37.0'	35°39.8'	29°38.1'	89°39.4'	90°09.7'	119°37.9'	111°46.6'
9	45°14.3'	35°02.5'	30°11.1'	89°02.3'	89°36.0'	120°13.5'	111°11.5'
10	45°51.7'	34°25.3'	30°44.3'	88°25.3'	89°02.2'	120°49.1'	110°36.4'
11	46°29.0'	33°48.0'	31°17.6'	87°48.2'	88°28.5'	121°24.6'	110°01.3'
12	47°06.3'	33°10.7'	31°51.0'	87°11.1'	87°54.8'	122°00.2'	109°26.3'
13	47°43.7'	32°33.5'	32°24.6'	86°34.1'	87°21.1'	122°35.8'	108°51.2'
14	48°21.0'	31°56.3'	32°58.2'	85°57.0'	86°47.4'	123°11.3'	108°16.1'
15	48°58.3'	31°19.0'	33°32.0'	85°20.0'	86°13.6'	123°46.9'	107°41.1'
16	49°35.6'	30°41.8'	34°05.9'	84°42.9'	85°40.0'	124°22.4'	107°06.0'
17	50°12.9'	30°04.6'	34°39.9'	84°05.9'	85°06.3'	124°58.0'	106°31.0'
18	50°50.2'	29°27.4'	35°14.0'	83°28.9'	84°32.6'	125°33.5'	105°55.9'
19	51°27.5'	28°50.2'	35°48.1'	82°51.9'	83°58.9'	126°09.0'	105°20.9'
20	52°04.8'	28°13.0'	36°22.4'	82°14.9'	83°25.3'	126°44.5'	104°45.9'
21	52°42.1'	27°35.9'	36°56.7'	81°37.9'	82°51.7'	127°20.0'	104°10.9'
22	53°19.4'	26°58.7'	37°31.1'	81°00.9'	82°18.1'	127°55.5'	103°35.9'
23	53°56.7'	26°21.6'	38°05.6'	80°23.9'	81°44.5'	128°31.0'	103°00.9'

Tue Dec 25, 2018 UTC

UTC	−Regulus Lunar Dist.	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	+Pollux Lunar Dist.	−Spica Lunar Dist.	−Arcturus Lunar Dist.	+Capella Lunar Dist.
0	25°44.5'	54°33.9'	38°40.1'	12°23.4'	79°46.9'	81°10.9'	46°36.7'
1	25°07.4'	55°11.2'	39°14.7'	12°54.5'	79°10.0'	80°37.4'	47°06.7'
2	24°30.3'	55°48.4'	39°49.4'	13°26.0'	78°33.0'	80°03.8'	47°36.7'
3	23°53.3'	56°25.6'	40°24.1'	13°58.0'	77°56.1'	79°30.3'	48°06.9'
4	23°16.3'	57°02.9'	40°58.9'	14°30.4'	77°19.2'	78°56.8'	48°37.1'
5	22°39.3'	57°40.1'	41°33.7'	15°03.1'	76°42.3'	78°23.4'	49°07.5'
6	22°02.3'	58°17.2'	42°08.5'	15°36.2'	76°05.4'	77°50.0'	49°38.0'
7	21°25.3'	58°54.4'	42°43.4'	16°09.5'	75°28.5'	77°16.6'	50°08.6'
8	20°48.4'	59°31.6'	43°18.3'	16°43.1'	74°51.6'	76°43.2'	50°39.3'
9	20°11.5'	60°08.7'	43°53.3'	17°16.9'	74°14.8'	76°09.9'	51°10.1'
10	19°34.6'	60°45.9'	44°28.3'	17°51.0'	73°38.0'	75°36.6'	51°40.9'
11	18°57.8'	61°23.0'	45°03.3'	18°25.2'	73°01.2'	75°03.3'	52°11.9'
12	18°21.0'	62°00.1'	45°38.4'	18°59.5'	72°24.4'	74°30.1'	52°42.9'
13	17°44.3'	62°37.2'	46°13.5'	19°34.0'	71°47.6'	73°56.9'	53°14.0'
14	17°07.5'	63°14.2'	46°48.6'	20°08.7'	71°10.9'	73°23.8'	53°45.2'
15	16°30.9'	63°51.3'	47°23.7'	20°43.4'	70°34.1'	72°50.6'	54°16.5'
16	15°54.3'	64°28.3'	47°58.8'	21°18.3'	69°57.4'	72°17.6'	54°47.8'
17	15°17.7'	65°05.3'	48°34.0'	21°53.2'	69°20.8'	71°44.5'	55°19.2'
18	14°41.2'	65°42.3'	49°09.2'	22°28.3'	68°44.1'	71°11.6'	55°50.6'
19	14°04.7'	66°19.3'	49°44.4'	23°03.4'	68°07.4'	70°38.6'	56°22.1'
20	13°28.3'	66°56.2'	50°19.6'	23°38.6'	67°30.8'	70°05.7'	56°53.7'
21	12°52.0'	67°33.2'	50°54.8'	24°13.9'	66°54.2'	69°32.9'	57°25.3'
22	12°15.8'	68°10.1'	51°30.0'	24°49.2'	66°17.7'	69°00.1'	57°56.9'
23	11°39.7'	68°46.9'	52°05.3'	25°24.5'	65°41.1'	68°27.4'	58°28.6'

Wed Dec 26, 2018 UTC

UTC	−Regulus Lunar Dist.	+Pollux Lunar Dist.	−Spica Lunar Dist.	+Betelgeuse Lunar Dist.	+Aldebaran Lunar Dist.	+Procyon Lunar Dist.	+Capella Lunar Dist.
0	11°03.6'	25°60.0'	65°04.6'	52°40.5'	69°23.8'	29°04.2'	59°00.4'
1	10°27.7'	26°35.4'	64°28.1'	53°15.8'	70°00.7'	29°34.8'	59°32.2'
2	9°52.0'	27°10.9'	63°51.6'	53°51.0'	70°37.5'	30°05.6'	60°04.0'
3	9°16.4'	27°46.4'	63°15.2'	54°26.3'	71°14.3'	30°36.5'	60°35.9'
4	8°40.9'	28°22.0'	62°38.8'	55°01.5'	71°51.0'	31°07.6'	61°07.8'
5	8°05.7'	28°57.5'	62°02.4'	55°36.8'	72°27.8'	31°38.9'	61°39.7'
6	7°30.8'	29°33.1'	61°26.1'	56°12.0'	73°04.5'	32°10.4'	62°11.7'
7	6°56.2'	30°08.7'	60°49.7'	56°47.2'	73°41.2'	32°41.9'	62°43.7'
8	6°22.1'	30°44.3'	60°13.4'	57°22.5'	74°17.9'	33°13.7'	63°15.7'
9	5°48.4'	31°20.0'	59°37.2'	57°57.7'	74°54.5'	33°45.5'	63°47.7'
10	–	31°55.6'	59°00.9'	58°33.0'	75°31.2'	34°17.5'	64°19.8'
11	–	32°31.3'	58°24.7'	59°08.2'	76°07.8'	34°49.5'	64°51.9'
12	–	33°06.9'	57°48.6'	59°43.4'	76°44.3'	35°21.7'	65°24.0'
13	–	33°42.6'	57°12.4'	60°18.6'	77°20.9'	35°54.0'	65°56.1'
14	–	34°18.2'	56°36.3'	60°53.8'	77°57.4'	36°26.4'	66°28.2'
15	–	34°53.9'	56°00.2'	61°29.0'	78°33.9'	36°58.8'	67°00.4'
16	–	35°29.6'	55°24.2'	62°04.1'	79°10.3'	37°31.3'	67°32.5'
17	–	36°05.2'	54°48.2'	62°39.3'	79°46.8'	38°04.0'	68°04.7'
18	–	36°40.9'	54°12.2'	63°14.4'	80°23.2'	38°36.6'	68°36.9'
19	–	37°16.5'	53°36.3'	63°49.5'	80°59.5'	39°09.4'	69°09.1'
20	–	37°52.1'	53°00.4'	64°24.7'	81°35.9'	39°42.2'	69°41.3'
21	–	38°27.8'	52°24.5'	64°59.8'	82°12.2'	40°15.1'	70°13.5'
22	–	39°03.4'	51°48.7'	65°34.8'	82°48.5'	40°48.0'	70°45.7'
23	–	39°39.0'	51°12.9'	66°09.9'	83°24.7'	41°21.0'	71°17.9'

Thu Dec 27, 2018 UTC

UTC	+Pollux Lunar Dist.	-Spica Lunar Dist.	+Procyon Lunar Dist.	+Betelgeuse Lunar Dist.	+Aldebaran Lunar Dist.	-Venus Lunar Dist.	-Antares Lunar Dist.
0	40°14.6'	50°37.2'	41°54.0'	66°44.9'	84°01.0'	74°49.5'	96°30.7'
1	40°50.1'	50°01.5'	42°27.1'	67°20.0'	84°37.2'	74°15.6'	95°54.9'
2	41°25.7'	49°25.8'	43°00.2'	67°55.0'	85°13.3'	73°41.8'	95°19.1'
3	42°01.2'	48°50.2'	43°33.3'	68°29.9'	85°49.5'	73°08.0'	94°43.4'
4	42°36.7'	48°14.6'	44°06.5'	69°04.9'	86°25.6'	72°34.2'	94°07.6'
5	43°12.2'	47°39.0'	44°39.7'	69°39.8'	87°01.6'	72°00.5'	93°31.9'
6	43°47.7'	47°03.5'	45°13.0'	70°14.8'	87°37.7'	71°26.8'	92°56.3'
7	44°23.2'	46°28.1'	45°46.2'	70°49.7'	88°13.7'	70°53.1'	92°20.7'
8	44°58.6'	45°52.6'	46°19.5'	71°24.5'	88°49.6'	70°19.5'	91°45.1'
9	45°34.1'	45°17.3'	46°52.8'	71°59.4'	89°25.6'	69°45.9'	91°09.5'
10	46°09.5'	44°41.9'	47°26.1'	72°34.2'	90°01.5'	69°12.3'	90°33.9'
11	46°44.9'	44°06.6'	47°59.5'	73°09.0'	90°37.4'	68°38.8'	89°58.4'
12	47°20.2'	43°31.4'	48°32.9'	73°43.8'	91°13.2'	68°05.3'	89°23.0'
13	47°55.6'	42°56.2'	49°06.2'	74°18.5'	91°49.0'	67°31.8'	88°47.5'
14	48°30.9'	42°21.0'	49°39.6'	74°53.3'	92°24.8'	66°58.4'	88°12.1'
15	49°06.2'	41°45.9'	50°13.0'	75°28.0'	93°00.5'	66°25.0'	87°36.8'
16	49°41.4'	41°10.9'	50°46.4'	76°02.6'	93°36.2'	65°51.6'	87°01.4'
17	50°16.7'	40°35.9'	51°19.8'	76°37.3'	94°11.9'	65°18.3'	86°26.1'
18	50°51.9'	40°00.9'	51°53.2'	77°11.9'	94°47.6'	64°45.0'	85°50.8'
19	51°27.1'	39°26.0'	52°26.7'	77°46.5'	95°23.2'	64°11.8'	85°15.6'
20	52°02.2'	38°51.2'	53°00.1'	78°21.0'	95°58.7'	63°38.5'	84°40.4'
21	52°37.4'	38°16.4'	53°33.5'	78°55.6'	96°34.3'	63°05.4'	84°05.2'
22	53°12.5'	37°41.6'	54°06.9'	79°30.1'	97°09.8'	62°32.2'	83°30.1'
23	53°47.5'	37°06.9'	54°40.3'	80°04.5'	97°45.3'	61°59.1'	82°55.0'

Fri Dec 28, 2018 UTC

UTC	-Sun Lunar Dist.	+Regulus Lunar Dist.	-Spica Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.	-Venus Lunar Dist.	-Antares Lunar Dist.
0	108°04.1'	18°19.1'	36°32.3'	54°22.6'	55°13.8'	61°26.0'	82°19.9'
1	107°31.3'	18°54.2'	35°57.7'	54°57.6'	55°47.2'	60°53.0'	81°44.9'
2	106°58.4'	19°29.3'	35°23.2'	55°32.6'	56°20.6'	60°19.9'	81°09.9'
3	106°25.7'	20°04.3'	34°48.7'	56°07.6'	56°54.0'	59°47.0'	80°35.0'
4	105°52.9'	20°39.4'	34°14.3'	56°42.5'	57°27.4'	59°14.0'	80°00.0'
5	105°20.2'	21°14.4'	33°39.9'	57°17.4'	58°00.7'	58°41.1'	79°25.1'
6	104°47.5'	21°49.4'	33°05.6'	57°52.3'	58°34.1'	58°08.3'	78°50.3'
7	104°14.9'	22°24.4'	32°31.4'	58°27.1'	59°07.5'	57°35.4'	78°15.5'
8	103°42.2'	22°59.4'	31°57.3'	59°02.0'	59°40.8'	57°02.6'	77°40.7'
9	103°09.7'	23°34.3'	31°23.2'	59°36.7'	60°14.2'	56°29.9'	77°06.0'
10	102°37.1'	24°09.2'	30°49.2'	60°11.5'	60°47.5'	55°57.2'	76°31.3'
11	102°04.6'	24°44.1'	30°15.2'	60°46.2'	61°20.8'	55°24.5'	75°56.6'
12	101°32.1'	25°19.0'	29°41.3'	61°20.9'	61°54.1'	54°51.8'	75°21.9'
13	100°59.7'	25°53.8'	29°07.5'	61°55.6'	62°27.4'	54°19.2'	74°47.4'
14	100°27.3'	26°28.6'	28°33.8'	62°30.2'	63°00.7'	53°46.6'	74°12.8'
15	99°54.9'	27°03.4'	28°00.2'	63°04.8'	63°33.9'	53°14.1'	73°38.3'
16	99°22.6'	27°38.2'	27°26.6'	63°39.4'	64°07.1'	52°41.6'	73°03.8'
17	98°50.3'	28°12.9'	26°53.1'	64°13.9'	64°40.4'	52°09.1'	72°29.3'
18	98°18.0'	28°47.6'	26°19.7'	64°48.4'	65°13.6'	51°36.7'	71°54.9'
19	97°45.8'	29°22.2'	25°46.4'	65°22.9'	65°46.7'	51°04.3'	71°20.6'
20	97°13.6'	29°56.8'	25°13.2'	65°57.4'	66°19.9'	50°31.9'	70°46.2'
21	96°41.4'	30°31.4'	24°40.1'	66°31.8'	66°53.0'	49°59.6'	70°11.9'
22	96°09.3'	31°06.0'	24°07.2'	67°06.2'	67°26.2'	49°27.3'	69°37.7'
23	95°37.2'	31°40.5'	23°34.3'	67°40.5'	67°59.3'	48°55.0'	69°03.4'

Sat Dec 29, 2018 UTC

UTC	−Sun Lunar Dist.	+Regulus Lunar Dist.	−Spica Lunar Dist.	+Pollux Lunar Dist.	−Venus Lunar Dist.	−Antares Lunar Dist.	−Jupiter Lunar Dist.
0	95°05.1′	32°15.0′	23°01.5′	68°14.8′	48°22.8′	68°29.2′	69°03.7′
1	94°33.1′	32°49.5′	22°28.9′	68°49.1′	47°50.6′	67°55.1′	68°29.7′
2	94°01.1′	33°24.0′	21°56.3′	69°23.4′	47°18.5′	67°21.0′	67°55.8′
3	93°29.1′	33°58.4′	21°23.9′	69°57.6′	46°46.4′	66°46.9′	67°21.8′
4	92°57.2′	34°32.8′	20°51.7′	70°31.8′	46°14.3′	66°12.9′	66°47.9′
5	92°25.3′	35°07.1′	20°19.6′	71°05.9′	45°42.3′	65°38.9′	66°14.1′
6	91°53.5′	35°41.4′	19°47.6′	71°40.1′	45°10.3′	65°04.9′	65°40.3′
7	91°21.7′	36°15.7′	19°15.9′	72°14.1′	44°38.3′	64°31.0′	65°06.5′
8	90°49.9′	36°50.0′	18°44.3′	72°48.2′	44°06.3′	63°57.1′	64°32.7′
9	90°18.1′	37°24.2′	18°12.8′	73°22.2′	43°34.5′	63°23.3′	63°59.0′
10	89°46.4′	37°58.4′	17°41.6′	73°56.2′	43°02.6′	62°49.5′	63°25.4′
11	89°14.7′	38°32.5′	17°10.7′	74°30.2′	42°30.8′	62°15.7′	62°51.7′
12	88°43.1′	39°06.6′	16°39.9′	75°04.1′	41°59.0′	61°42.0′	62°18.1′
13	88°11.5′	39°40.7′	16°09.4′	75°38.0′	41°27.2′	61°08.3′	61°44.5′
14	87°39.9′	40°14.8′	15°39.2′	76°11.9′	40°55.5′	60°34.6′	61°11.0′
15	87°08.3′	40°48.8′	15°09.3′	76°45.7′	40°23.8′	60°01.0′	60°37.5′
16	86°36.8′	41°22.8′	14°39.7′	77°19.5′	39°52.2′	59°27.4′	60°04.0′
17	86°05.3′	41°56.8′	14°10.4′	77°53.3′	39°20.5′	58°53.9′	59°30.6′
18	85°33.9′	42°30.7′	13°41.6′	78°27.0′	38°49.0′	58°20.4′	58°57.2′
19	85°02.5′	43°04.6′	13°13.1′	79°00.7′	38°17.4′	57°46.9′	58°23.8′
20	84°31.1′	43°38.5′	12°45.2′	79°34.4′	37°45.9′	57°13.5′	57°50.5′
21	83°59.8′	44°12.3′	12°17.8′	80°08.0′	37°14.4′	56°40.1′	57°17.2′
22	83°28.4′	44°46.1′	11°50.9′	80°41.7′	36°43.0′	56°06.8′	56°43.9′
23	82°57.2′	45°19.9′	11°24.7′	81°15.2′	36°11.6′	55°33.5′	56°10.7′

Sun Dec 30, 2018 UTC

UTC	−Sun Lunar Dist.	+Regulus Lunar Dist.	−Venus Lunar Dist.	−Antares Lunar Dist.	−Jupiter Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.
0	82°25.9′	45°53.7′	35°40.2′	55°00.2′	55°37.5′	81°48.8′	81°39.1′
1	81°54.7′	46°27.4′	35°08.8′	54°27.0′	55°04.3′	82°22.3′	82°11.6′
2	81°23.5′	47°01.0′	34°37.5′	53°53.8′	54°31.1′	82°55.8′	82°44.0′
3	80°52.4′	47°34.7′	34°06.3′	53°20.7′	53°58.0′	83°29.2′	83°16.4′
4	80°21.2′	48°08.3′	33°35.0′	52°47.6′	53°25.0′	84°02.6′	83°48.8′
5	79°50.1′	48°41.9′	33°03.8′	52°14.5′	52°51.9′	84°36.0′	84°21.1′
6	79°19.1′	49°15.5′	32°32.6′	51°41.5′	52°18.9′	85°09.4′	84°53.4′
7	78°48.1′	49°49.0′	32°01.5′	51°08.5′	51°46.0′	85°42.7′	85°25.7′
8	78°17.1′	50°22.5′	31°30.4′	50°35.6′	51°13.0′	86°16.0′	85°58.0′
9	77°46.1′	50°55.9′	30°59.3′	50°02.7′	50°40.1′	86°49.3′	86°30.2′
10	77°15.2′	51°29.4′	30°28.3′	49°29.8′	50°07.3′	87°22.5′	87°02.4′
11	76°44.3′	52°02.8′	29°57.3′	48°57.0′	49°34.4′	87°55.7′	87°34.6′
12	76°13.4′	52°36.1′	29°26.3′	48°24.2′	49°01.6′	88°28.9′	88°06.7′
13	75°42.6′	53°09.5′	28°55.4′	47°51.5′	48°28.8′	89°02.0′	88°38.8′
14	75°11.8′	53°42.8′	28°24.4′	47°18.8′	47°56.1′	89°35.1′	89°10.9′
15	74°41.0′	54°16.1′	27°53.6′	46°46.1′	47°23.4′	90°08.2′	89°43.0′
16	74°10.3′	54°49.3′	27°22.7′	46°13.5′	46°50.7′	90°41.3′	90°15.0′
17	73°39.5′	55°22.5′	26°51.9′	45°40.9′	46°18.1′	91°14.3′	90°47.0′
18	73°08.9′	55°55.7′	26°21.1′	45°08.4′	45°45.4′	91°47.3′	91°19.0′
19	72°38.2′	56°28.9′	25°50.4′	44°35.9′	45°12.9′	92°20.2′	91°50.9′
20	72°07.6′	57°02.0′	25°19.7′	44°03.5′	44°40.3′	92°53.2′	92°22.8′
21	71°37.0′	57°35.1′	24°49.0′	43°31.1′	44°07.8′	93°26.1′	92°54.7′
22	71°06.4′	58°08.2′	24°18.3′	42°58.7′	43°35.3′	93°58.9′	93°26.5′
23	70°35.9′	58°41.3′	23°47.7′	42°26.4′	43°02.8′	94°31.8′	93°58.4′

Mon Dec 31, 2018 UTC

UTC	−Sun Lunar Dist.	−Venus Lunar Dist.	−Jupiter Lunar Dist.	−Antares Lunar Dist.	+Regulus Lunar Dist.	+Pollux Lunar Dist.	+Procyon Lunar Dist.
0	70°05.4'	23°17.1'	42°30.4'	41°54.2'	59°14.3'	95°04.6'	94°30.2'
1	69°34.9'	22°46.6'	41°58.0'	41°21.9'	59°47.3'	95°37.4'	95°01.9'
2	69°04.5'	22°16.1'	41°25.6'	40°49.8'	60°20.2'	96°10.1'	95°33.6'
3	68°34.0'	21°45.6'	40°53.3'	40°17.6'	60°53.1'	96°42.8'	96°05.3'
4	68°03.6'	21°15.1'	40°21.0'	39°45.6'	61°26.0'	97°15.5'	96°37.0'
5	67°33.3'	20°44.7'	39°48.7'	39°13.5'	61°58.9'	97°48.2'	97°08.6'
6	67°03.0'	20°14.3'	39°16.5'	38°41.6'	62°31.8'	98°20.8'	97°40.3'
7	66°32.6'	19°43.9'	38°44.3'	38°09.6'	63°04.6'	98°53.4'	98°11.8'
8	66°02.4'	19°13.6'	38°12.1'	37°37.7'	63°37.4'	99°26.0'	98°43.4'
9	65°32.1'	18°43.3'	37°40.0'	37°05.9'	64°10.1'	99°58.6'	99°14.9'
10	65°01.9'	18°13.0'	37°07.8'	36°34.1'	64°42.9'	100°31.1'	99°46.4'
11	64°31.7'	17°42.8'	36°35.7'	36°02.4'	65°15.6'	101°03.6'	100°17.8'
12	64°01.5'	17°12.6'	36°03.7'	35°30.7'	65°48.3'	101°36.0'	100°49.3'
13	63°31.4'	16°42.4'	35°31.7'	34°59.1'	66°20.9'	102°08.5'	101°20.7'
14	63°01.3'	16°12.3'	34°59.7'	34°27.5'	66°53.5'	102°40.9'	101°52.0'
15	62°31.2'	15°42.2'	34°27.7'	33°56.0'	67°26.1'	103°13.3'	102°23.3'
16	62°01.2'	15°12.1'	33°55.8'	33°24.6'	67°58.7'	103°45.6'	102°54.6'
17	61°31.1'	14°42.1'	33°23.9'	32°53.2'	68°31.3'	104°17.9'	103°25.9'
18	61°01.1'	14°12.1'	32°52.0'	32°21.8'	69°03.8'	104°50.2'	103°57.2'
19	60°31.1'	13°42.1'	32°20.1'	31°50.6'	69°36.3'	105°22.5'	104°28.4'
20	60°01.2'	13°12.2'	31°48.3'	31°19.4'	70°08.7'	105°54.7'	104°59.5'
21	59°31.3'	12°42.3'	31°16.6'	30°48.2'	70°41.2'	106°27.0'	105°30.7'
22	59°01.4'	12°12.4'	30°44.8'	30°17.1'	71°13.6'	106°59.2'	106°01.8'
23	58°31.5'	11°42.6'	30°13.1'	29°46.1'	71°46.0'	107°31.3'	106°32.9'