

Wed Aug 1, 2018 UTC

UTC	+Mars Lunar Dist.	-Aldebaran Lunar Dist.	+Saturn Lunar Dist.	-Betelgeuse Lunar Dist.	+Antares Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.
0	51°23.9'	75°20.2'	80°56.0'	93°18.1'	103°59.2'	60°11.2'	81°40.3'
1	51°54.8'	74°49.6'	81°26.7'	92°48.3'	104°29.4'	60°36.7'	81°13.2'
2	52°25.8'	74°19.0'	81°57.4'	92°18.4'	104°59.6'	61°02.2'	80°46.0'
3	52°56.7'	73°48.4'	82°28.2'	91°48.6'	105°29.9'	61°27.8'	80°18.8'
4	53°27.7'	73°17.8'	82°58.9'	91°18.7'	106°00.1'	61°53.5'	79°51.6'
5	53°58.7'	72°47.1'	83°29.7'	90°48.8'	106°30.4'	62°19.2'	79°24.5'
6	54°29.7'	72°16.4'	84°00.5'	90°18.9'	107°00.7'	62°44.9'	78°57.3'
7	55°00.8'	71°45.7'	84°31.3'	89°48.9'	107°30.9'	63°10.8'	78°30.1'
8	55°31.8'	71°15.0'	85°02.2'	89°18.9'	108°01.3'	63°36.6'	78°02.9'
9	56°02.9'	70°44.3'	85°33.0'	88°49.0'	108°31.6'	64°02.6'	77°35.6'
10	56°34.1'	70°13.5'	86°03.9'	88°19.0'	109°01.9'	64°28.6'	77°08.4'
11	57°05.2'	69°42.7'	86°34.8'	87°48.9'	109°32.3'	64°54.6'	76°41.2'
12	57°36.4'	69°11.9'	87°05.7'	87°18.9'	110°02.7'	65°20.7'	76°14.0'
13	58°07.5'	68°41.1'	87°36.7'	86°48.8'	110°33.1'	65°46.9'	75°46.8'
14	58°38.8'	68°10.2'	88°07.6'	86°18.8'	111°03.5'	66°13.1'	75°19.5'
15	59°10.0'	67°39.4'	88°38.6'	85°48.7'	111°34.0'	66°39.3'	74°52.3'
16	59°41.3'	67°08.5'	89°09.6'	85°18.5'	112°04.4'	67°05.7'	74°25.1'
17	60°12.5'	66°37.6'	89°40.6'	84°48.4'	112°34.9'	67°32.0'	73°57.8'
18	60°43.8'	66°06.7'	90°11.7'	84°18.2'	113°05.4'	67°58.4'	73°30.6'
19	61°15.2'	65°35.7'	90°42.8'	83°48.1'	113°35.9'	68°24.9'	73°03.3'
20	61°46.5'	65°04.7'	91°13.8'	83°17.9'	114°06.4'	68°51.4'	72°36.1'
21	62°17.9'	64°33.7'	91°45.0'	82°47.6'	114°37.0'	69°18.0'	72°08.9'
22	62°49.3'	64°02.7'	92°16.1'	82°17.4'	115°07.6'	69°44.6'	71°41.6'
23	63°20.8'	63°31.7'	92°47.3'	81°47.1'	115°38.1'	70°11.2'	71°14.4'

Thu Aug 2, 2018 UTC

UTC	+Mars Lunar Dist.	-Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.	-Betelgeuse Lunar Dist.	+Saturn Lunar Dist.	-Rigel Lunar Dist.	-Pollux Lunar Dist.
0	63°52.2'	63°00.6'	35°42.7'	81°16.8'	93°18.4'	70°47.1'	107°05.4'
1	64°23.7'	62°29.5'	36°08.9'	80°46.5'	93°49.7'	70°19.9'	106°34.6'
2	64°55.2'	61°58.4'	36°35.1'	80°16.2'	94°20.9'	69°52.7'	106°03.8'
3	65°26.7'	61°27.2'	37°01.5'	79°45.9'	94°52.1'	69°25.4'	105°33.0'
4	65°58.3'	60°56.1'	37°28.0'	79°15.5'	95°23.4'	68°58.2'	105°02.1'
5	66°29.9'	60°24.9'	37°54.7'	78°45.1'	95°54.7'	68°31.0'	104°31.2'
6	67°01.5'	59°53.7'	38°21.4'	78°14.7'	96°26.1'	68°03.8'	104°00.3'
7	67°33.1'	59°22.4'	38°48.3'	77°44.2'	96°57.4'	67°36.6'	103°29.4'
8	68°04.8'	58°51.2'	39°15.3'	77°13.8'	97°28.8'	67°09.4'	102°58.4'
9	68°36.5'	58°19.9'	39°42.4'	76°43.3'	98°00.2'	66°42.2'	102°27.4'
10	69°08.2'	57°48.6'	40°09.6'	76°12.8'	98°31.6'	66°15.0'	101°56.4'
11	69°40.0'	57°17.2'	40°36.9'	75°42.3'	99°03.1'	65°47.8'	101°25.4'
12	70°11.7'	56°45.9'	41°04.3'	75°11.8'	99°34.6'	65°20.6'	100°54.3'
13	70°43.5'	56°14.5'	41°31.8'	74°41.2'	100°06.1'	64°53.4'	100°23.2'
14	71°15.4'	55°43.0'	41°59.4'	74°10.6'	100°37.6'	64°26.3'	99°52.1'
15	71°47.2'	55°11.6'	42°27.1'	73°40.0'	101°09.2'	63°59.1'	99°20.9'
16	72°19.1'	54°40.1'	42°54.9'	73°09.4'	101°40.8'	63°32.0'	98°49.7'
17	72°51.0'	54°08.6'	43°22.8'	72°38.7'	102°12.4'	63°04.9'	98°18.5'
18	73°23.0'	53°37.1'	43°50.8'	72°08.0'	102°44.0'	62°37.8'	97°47.3'
19	73°55.0'	53°05.5'	44°18.8'	71°37.3'	103°15.7'	62°10.7'	97°16.0'
20	74°27.0'	52°33.9'	44°47.0'	71°06.6'	103°47.4'	61°43.6'	96°44.7'
21	74°59.0'	52°02.3'	45°15.2'	70°35.9'	104°19.1'	61°16.6'	96°13.4'
22	75°31.0'	51°30.7'	45°43.6'	70°05.1'	104°50.9'	60°49.6'	95°42.0'
23	76°03.1'	50°59.0'	46°12.0'	69°34.3'	105°22.7'	60°22.5'	95°10.6'

Fri Aug 3, 2018 UTC

UTC	−Sun Lunar Dist.	−Aldebaran Lunar Dist.	+Mars Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Pollux Lunar Dist.	+Saturn Lunar Dist.
0	111°11.0′	50°27.3′	76°35.3′	69°03.5′	46°40.5′	94°39.2′	105°54.5′
1	110°41.6′	49°55.6′	77°07.4′	68°32.7′	47°09.0′	94°07.7′	106°26.3′
2	110°12.2′	49°23.8′	77°39.6′	68°01.8′	47°37.7′	93°36.3′	106°58.2′
3	109°42.8′	48°52.0′	78°11.8′	67°30.9′	48°06.4′	93°04.8′	107°30.1′
4	109°13.3′	48°20.2′	78°44.0′	67°00.0′	48°35.2′	92°33.2′	108°02.1′
5	108°43.9′	47°48.3′	79°16.3′	66°29.1′	49°04.1′	92°01.6′	108°34.0′
6	108°14.4′	47°16.4′	79°48.6′	65°58.2′	49°33.0′	91°30.0′	109°06.0′
7	107°44.8′	46°44.5′	80°20.9′	65°27.2′	50°02.0′	90°58.4′	109°38.0′
8	107°15.2′	46°12.6′	80°53.3′	64°56.2′	50°31.1′	90°26.8′	110°10.1′
9	106°45.6′	45°40.6′	81°25.7′	64°25.2′	51°00.3′	89°55.1′	110°42.2′
10	106°16.0′	45°08.6′	81°58.1′	63°54.2′	51°29.5′	89°23.3′	111°14.3′
11	105°46.3′	44°36.6′	82°30.6′	63°23.1′	51°58.8′	88°51.6′	111°46.5′
12	105°16.6′	44°04.5′	83°03.1′	62°52.0′	52°28.2′	88°19.8′	112°18.7′
13	104°46.9′	43°32.4′	83°35.6′	62°20.9′	52°57.6′	87°48.0′	112°50.9′
14	104°17.1′	43°00.2′	84°08.2′	61°49.8′	53°27.1′	87°16.1′	113°23.1′
15	103°47.3′	42°28.1′	84°40.8′	61°18.7′	53°56.7′	86°44.2′	113°55.4′
16	103°17.5′	41°55.9′	85°13.4′	60°47.5′	54°26.3′	86°12.3′	114°27.7′
17	102°47.6′	41°23.6′	85°46.1′	60°16.3′	54°56.0′	85°40.3′	115°00.1′
18	102°17.7′	40°51.3′	86°18.7′	59°45.1′	55°25.8′	85°08.4′	115°32.5′
19	101°47.8′	40°19.0′	86°51.5′	59°13.9′	55°55.6′	84°36.3′	116°04.9′
20	101°17.8′	39°46.7′	87°24.2′	58°42.6′	56°25.5′	84°04.3′	116°37.3′
21	100°47.8′	39°14.3′	87°57.0′	58°11.3′	56°55.5′	83°32.2′	117°09.8′
22	100°17.7′	38°41.9′	88°29.8′	57°40.0′	57°25.5′	83°00.1′	117°42.4′
23	99°47.7′	38°09.5′	89°02.7′	57°08.7′	57°55.5′	82°27.9′	118°14.9′

Sat Aug 4, 2018 UTC

UTC	−Sun Lunar Dist.	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Pollux Lunar Dist.	+Mars Lunar Dist.	−Procyon Lunar Dist.
0	99°17.6′	37°37.0′	56°37.4′	58°25.7′	81°55.7′	89°35.6′	82°34.9′
1	98°47.4′	37°04.5′	56°06.0′	58°55.9′	81°23.5′	90°08.5′	82°03.5′
2	98°17.2′	36°31.9′	55°34.7′	59°26.1′	80°51.3′	90°41.5′	81°32.1′
3	97°47.0′	35°59.3′	55°03.3′	59°56.4′	80°19.0′	91°14.5′	81°00.6′
4	97°16.7′	35°26.7′	54°31.8′	60°26.8′	79°46.6′	91°47.5′	80°29.1′
5	96°46.5′	34°54.0′	54°00.4′	60°57.2′	79°14.3′	92°20.6′	79°57.6′
6	96°16.1′	34°21.3′	53°29.0′	61°27.7′	78°41.9′	92°53.7′	79°26.0′
7	95°45.8′	33°48.6′	52°57.5′	61°58.2′	78°09.4′	93°26.9′	78°54.4′
8	95°15.4′	33°15.8′	52°26.0′	62°28.8′	77°37.0′	94°00.0′	78°22.8′
9	94°44.9′	32°43.0′	51°54.5′	62°59.5′	77°04.5′	94°33.3′	77°51.2′
10	94°14.4′	32°10.2′	51°23.0′	63°30.2′	76°31.9′	95°06.5′	77°19.5′
11	93°43.9′	31°37.3′	50°51.4′	64°00.9′	75°59.3′	95°39.8′	76°47.8′
12	93°13.4′	31°04.4′	50°19.9′	64°31.7′	75°26.7′	96°13.1′	76°16.0′
13	92°42.8′	30°31.4′	49°48.3′	65°02.6′	74°54.1′	96°46.5′	75°44.3′
14	92°12.1′	29°58.5′	49°16.7′	65°33.5′	74°21.4′	97°19.9′	75°12.5′
15	91°41.5′	29°25.4′	48°45.1′	66°04.5′	73°48.6′	97°53.3′	74°40.6′
16	91°10.8′	28°52.4′	48°13.5′	66°35.5′	73°15.9′	98°26.8′	74°08.8′
17	90°40.0′	28°19.2′	47°41.9′	67°06.6′	72°43.1′	99°00.3′	73°36.9′
18	90°09.2′	27°46.1′	47°10.2′	67°37.8′	72°10.3′	99°33.9′	73°04.9′
19	89°38.4′	27°12.9′	46°38.6′	68°08.9′	71°37.4′	100°07.5′	72°33.0′
20	89°07.5′	26°39.7′	46°06.9′	68°40.2′	71°04.5′	100°41.1′	72°01.0′
21	88°36.6′	26°06.4′	45°35.3′	69°11.5′	70°31.5′	101°14.8′	71°28.9′
22	88°05.7′	25°33.1′	45°03.6′	69°42.8′	69°58.5′	101°48.5′	70°56.9′
23	87°34.7′	24°59.8′	44°31.9′	70°14.2′	69°25.5′	102°22.2′	70°24.8′

Sun Aug 5, 2018 UTC

UTC	−Sun Lunar Dist.	−Aldebaran Lunar Dist.	−Betelgeuse Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	+Formalhaut Lunar Dist.	+Mars Lunar Dist.
0	87°03.7'	24°26.4'	44°00.3'	68°52.5'	69°52.7'	70°45.7'	102°56.0'
1	86°32.6'	23°53.0'	43°28.6'	68°19.4'	69°20.5'	71°17.2'	103°29.8'
2	86°01.5'	23°19.5'	42°56.9'	67°46.2'	68°48.4'	71°48.7'	104°03.7'
3	85°30.3'	22°46.0'	42°25.2'	67°13.0'	68°16.2'	72°20.3'	104°37.6'
4	84°59.1'	22°12.5'	41°53.5'	66°39.8'	67°43.9'	72°52.0'	105°11.5'
5	84°27.9'	21°38.9'	41°21.8'	66°06.6'	67°11.7'	73°23.7'	105°45.5'
6	83°56.6'	21°05.3'	40°50.1'	65°33.3'	66°39.4'	73°55.5'	106°19.5'
7	83°25.3'	20°31.6'	40°18.4'	64°60.0'	66°07.1'	74°27.3'	106°53.5'
8	82°54.0'	19°58.0'	39°46.7'	64°26.6'	65°34.7'	74°59.1'	107°27.6'
9	82°22.6'	19°24.2'	39°15.1'	63°53.2'	65°02.3'	75°31.0'	108°01.8'
10	81°51.1'	18°50.4'	38°43.4'	63°19.8'	64°29.9'	76°03.0'	108°35.9'
11	81°19.6'	18°16.6'	38°11.8'	62°46.3'	63°57.5'	76°35.0'	109°10.1'
12	80°48.1'	17°42.8'	37°40.1'	62°12.8'	63°25.0'	77°07.0'	109°44.4'
13	80°16.5'	17°08.9'	37°08.5'	61°39.2'	62°52.5'	77°39.1'	110°18.7'
14	79°44.9'	16°35.0'	36°36.9'	61°05.6'	62°20.0'	78°11.3'	110°53.0'
15	79°13.3'	16°01.0'	36°05.3'	60°32.0'	61°47.5'	78°43.5'	111°27.4'
16	78°41.6'	15°27.0'	35°33.8'	59°58.3'	61°14.9'	79°15.7'	112°01.8'
17	78°09.8'	14°53.0'	35°02.3'	59°24.6'	60°42.3'	79°48.0'	112°36.2'
18	77°38.0'	14°18.9'	34°30.8'	58°50.9'	60°09.7'	80°20.4'	113°10.7'
19	77°06.2'	13°44.8'	33°59.3'	58°17.1'	59°37.1'	80°52.7'	113°45.2'
20	76°34.3'	13°10.6'	33°27.9'	57°43.3'	59°04.4'	81°25.2'	114°19.8'
21	76°02.4'	12°36.4'	32°56.6'	57°09.4'	58°31.7'	81°57.7'	114°54.4'
22	75°30.5'	12°02.2'	32°25.2'	56°35.5'	57°59.0'	82°30.2'	115°29.1'
23	74°58.5'	11°28.0'	31°54.0'	56°01.6'	57°26.3'	83°02.8'	116°03.8'

Mon Aug 6, 2018 UTC

UTC	−Sun Lunar Dist.	−Aldebaran Lunar Dist.	−Pollux Lunar Dist.	−Betelgeuse Lunar Dist.	−Procyon Lunar Dist.	+Formalhaut Lunar Dist.	+Mars Lunar Dist.
0	74°26.4'	10°53.7'	55°27.6'	31°22.8'	56°53.5'	83°35.4'	116°38.5'
1	73°54.3'	10°19.4'	54°53.6'	30°51.6'	56°20.8'	84°08.0'	117°13.2'
2	73°22.2'	9°45.1'	54°19.6'	30°20.5'	55°48.0'	84°40.7'	117°48.0'
3	72°50.0'	9°10.8'	53°45.5'	29°49.5'	55°15.2'	85°13.5'	118°22.9'
4	72°17.8'	8°36.4'	53°11.4'	29°18.6'	54°42.4'	85°46.3'	118°57.8'
5	71°45.5'	8°02.0'	52°37.2'	28°47.8'	54°09.5'	86°19.1'	119°32.7'
6	71°13.2'	7°27.7'	52°03.1'	28°17.0'	53°36.7'	86°52.0'	120°07.7'
7	70°40.9'	6°53.3'	51°28.8'	27°46.4'	53°03.8'	87°25.0'	120°42.7'
8	70°08.5'	6°19.0'	50°54.6'	27°15.9'	52°30.9'	87°57.9'	121°17.7'
9	69°36.0'	5°44.8'	50°20.3'	26°45.5'	51°58.0'	88°30.9'	121°52.8'
10	69°03.5'	5°10.6'	49°46.0'	26°15.2'	51°25.1'	89°04.0'	122°27.9'
11	68°31.0'	4°36.5'	49°11.6'	25°45.1'	50°52.2'	89°37.1'	123°03.0'
12	67°58.4'	4°02.7'	48°37.2'	25°15.1'	50°19.2'	90°10.3'	123°38.2'
13	67°25.8'	3°29.2'	48°02.8'	24°45.3'	49°46.3'	90°43.4'	124°13.5'
14	66°53.1'	−	47°28.3'	24°15.7'	49°13.4'	91°16.7'	124°48.7'
15	66°20.4'	−	46°53.8'	23°46.3'	48°40.4'	91°49.9'	125°24.0'
16	65°47.7'	−	46°19.3'	23°17.0'	48°07.4'	92°23.3'	125°59.4'
17	65°14.9'	−	45°44.8'	22°48.0'	47°34.5'	92°56.6'	126°34.8'
18	64°42.1'	−	45°10.2'	22°19.3'	47°01.5'	93°30.0'	127°10.2'
19	64°09.2'	−	44°35.6'	21°50.8'	46°28.6'	94°03.4'	127°45.6'
20	63°36.2'	−	44°00.9'	21°22.6'	45°55.6'	94°36.9'	128°21.1'
21	63°03.3'	−	43°26.2'	20°54.7'	45°22.7'	95°10.4'	128°56.6'
22	62°30.3'	−	42°51.5'	20°27.1'	44°49.7'	95°44.0'	129°32.2'
23	61°57.2'	−	42°16.8'	19°59.9'	44°16.8'	96°17.5'	130°07.8'

Tue Aug 7, 2018 UTC

UTC	−Sun Lunar Dist.	+Aldebaran Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	−Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	−Sirius Lunar Dist.
0	61°24.1'	3°19.9'	41°42.0'	43°43.9'	19°33.1'	96°51.2'	45°14.0'
1	60°51.0'	3°53.8'	41°07.3'	43°11.0'	19°06.7'	97°24.8'	44°55.9'
2	60°17.8'	4°28.2'	40°32.5'	42°38.1'	18°40.8'	97°58.5'	44°38.0'
3	59°44.5'	5°02.9'	39°57.6'	42°05.2'	18°15.3'	98°32.2'	44°20.3'
4	59°11.3'	5°37.8'	39°22.8'	41°32.4'	17°50.4'	99°06.0'	44°02.9'
5	58°37.9'	6°12.9'	38°47.9'	40°59.5'	17°26.1'	99°39.8'	43°45.8'
6	58°04.6'	6°48.2'	38°13.0'	40°26.7'	17°02.3'	100°13.6'	43°29.0'
7	57°31.2'	7°23.5'	37°38.1'	39°54.0'	16°39.3'	100°47.5'	43°12.4'
8	56°57.7'	7°59.0'	37°03.2'	39°21.2'	16°16.9'	101°21.4'	42°56.2'
9	56°24.2'	8°34.6'	36°28.2'	38°48.5'	−	101°55.4'	42°40.2'
10	55°50.7'	9°10.2'	35°53.2'	38°15.9'	−	102°29.3'	42°24.6'
11	55°17.1'	9°46.0'	35°18.3'	37°43.3'	−	103°03.3'	42°09.3'
12	54°43.5'	10°21.8'	34°43.3'	37°10.7'	−	103°37.3'	41°54.3'
13	54°09.9'	10°57.6'	34°08.3'	36°38.2'	−	104°11.4'	41°39.6'
14	53°36.2'	11°33.6'	33°33.3'	36°05.7'	−	104°45.5'	41°25.3'
15	53°02.4'	12°09.5'	32°58.3'	35°33.4'	−	105°19.6'	41°11.3'
16	52°28.6'	12°45.6'	32°23.2'	35°01.0'	−	105°53.7'	40°57.7'
17	51°54.8'	13°21.7'	31°48.2'	34°28.8'	−	106°27.9'	40°44.4'
18	51°21.0'	13°57.8'	31°13.2'	33°56.6'	−	107°02.1'	40°31.5'
19	50°47.1'	14°34.0'	30°38.2'	33°24.6'	−	107°36.3'	40°19.0'
20	50°13.1'	15°10.2'	30°03.2'	32°52.6'	−	108°10.6'	40°06.9'
21	49°39.1'	15°46.5'	29°28.2'	32°20.7'	−	108°44.8'	39°55.2'
22	49°05.1'	16°22.9'	28°53.2'	31°49.0'	−	109°19.1'	39°43.8'
23	48°31.1'	16°59.2'	28°18.3'	31°17.3'	−	109°53.4'	39°32.9'

Wed Aug 8, 2018 UTC

UTC	−Sun Lunar Dist.	+Aldebaran Lunar Dist.	−Pollux Lunar Dist.	−Procyon Lunar Dist.	+Formalhaut Lunar Dist.	+Achernar Lunar Dist.	+Deneb Lunar Dist.
0	47°57.0'	17°35.7'	27°43.3'	30°45.8'	110°27.8'	93°13.1'	103°42.1'
1	47°22.8'	18°12.1'	27°08.4'	30°14.4'	111°02.1'	93°33.6'	103°57.2'
2	46°48.6'	18°48.6'	26°33.5'	29°43.1'	111°36.5'	93°54.1'	104°12.2'
3	46°14.4'	19°25.2'	25°58.7'	29°12.0'	112°10.9'	94°14.5'	104°27.1'
4	45°40.2'	20°01.8'	25°23.9'	28°41.1'	112°45.3'	94°35.0'	104°42.0'
5	45°05.9'	20°38.4'	24°49.1'	28°10.4'	113°19.7'	94°55.5'	104°56.8'
6	44°31.6'	21°15.1'	24°14.4'	27°39.8'	113°54.1'	95°16.0'	105°11.6'
7	43°57.2'	21°51.8'	23°39.8'	27°09.4'	114°28.6'	95°36.4'	105°26.2'
8	43°22.8'	22°28.5'	23°05.2'	26°39.3'	115°03.0'	95°56.9'	105°40.8'
9	42°48.4'	23°05.3'	22°30.7'	26°09.4'	115°37.5'	96°17.4'	105°55.3'
10	42°13.9'	23°42.2'	21°56.3'	25°39.7'	116°12.0'	96°37.8'	106°09.8'
11	41°39.4'	24°19.0'	21°21.9'	25°10.4'	116°46.5'	96°58.2'	106°24.1'
12	41°04.9'	24°55.9'	20°47.7'	24°41.3'	117°21.0'	97°18.6'	106°38.4'
13	40°30.3'	25°32.9'	20°13.6'	24°12.5'	117°55.5'	97°39.1'	106°52.5'
14	39°55.7'	26°09.8'	19°39.7'	23°44.0'	118°30.0'	97°59.4'	107°06.6'
15	39°21.1'	26°46.8'	19°05.9'	23°15.9'	119°04.5'	98°19.8'	107°20.6'
16	38°46.4'	27°23.9'	18°32.2'	22°48.2'	119°39.0'	98°40.1'	107°34.5'
17	38°11.7'	28°00.9'	17°58.8'	22°20.8'	120°13.5'	99°00.5'	107°48.3'
18	37°37.0'	28°38.1'	17°25.6'	21°53.9'	120°48.0'	99°20.7'	108°02.0'
19	37°02.2'	29°15.2'	16°52.6'	21°27.5'	121°22.5'	99°41.0'	108°15.6'
20	36°27.4'	29°52.4'	16°19.8'	21°01.5'	121°57.0'	100°01.2'	108°29.1'
21	35°52.6'	30°29.6'	15°47.4'	20°36.1'	122°31.5'	100°21.4'	108°42.5'
22	35°17.7'	31°06.8'	15°15.3'	20°11.3'	123°06.0'	100°41.6'	108°55.7'
23	34°42.8'	31°44.1'	14°43.5'	19°47.0'	123°40.5'	101°01.7'	109°08.9'

Thu Aug 9, 2018 UTC

UTC	+Aldebaran Lunar Dist.	-Pollux Lunar Dist.	+Betelgeuse Lunar Dist.	+Rigel Lunar Dist.	-Procyon Lunar Dist.	+Capella Lunar Dist.	+Achernar Lunar Dist.
0	32°21.4'	14°12.2'	19°05.8'	37°31.4'	19°23.4'	31°48.5'	101°21.8'
1	32°58.7'	13°41.3'	19°33.6'	37°56.4'	19°00.5'	32°08.7'	101°41.8'
2	33°36.1'	13°11.0'	20°01.8'	38°21.6'	18°38.3'	32°29.4'	102°01.8'
3	34°13.4'	12°41.2'	20°30.6'	38°47.2'	–	32°50.5'	102°21.8'
4	34°50.9'	12°12.1'	20°59.8'	39°13.0'	–	33°12.0'	102°41.7'
5	35°28.3'	–	21°29.4'	39°39.2'	–	33°34.0'	103°01.5'
6	36°05.8'	–	21°59.4'	40°05.6'	–	33°56.3'	103°21.3'
7	36°43.3'	–	22°29.9'	40°32.2'	–	34°19.1'	103°41.0'
8	37°20.8'	–	23°00.6'	40°59.1'	–	34°42.3'	104°00.7'
9	37°58.3'	–	23°31.7'	41°26.3'	–	35°05.9'	104°20.3'
10	38°35.9'	–	24°03.1'	41°53.7'	–	35°29.8'	104°39.9'
11	39°13.5'	–	24°34.8'	42°21.3'	–	35°54.0'	104°59.3'
12	39°51.1'	–	25°06.8'	42°49.1'	–	36°18.7'	105°18.7'
13	40°28.7'	–	25°39.0'	43°17.2'	–	36°43.6'	105°38.1'
14	41°06.4'	–	26°11.5'	43°45.5'	–	37°08.9'	105°57.4'
15	41°44.1'	–	26°44.2'	44°13.9'	–	37°34.5'	106°16.5'
16	42°21.7'	–	27°17.1'	44°42.6'	–	38°00.3'	106°35.6'
17	42°59.5'	–	27°50.2'	45°11.5'	–	38°26.5'	106°54.7'
18	43°37.2'	–	28°23.5'	45°40.5'	–	38°53.0'	107°13.6'
19	44°15.0'	–	28°57.0'	46°09.7'	–	39°19.7'	107°32.5'
20	44°52.7'	–	29°30.7'	46°39.1'	–	39°46.7'	107°51.2'
21	45°30.5'	–	30°04.5'	47°08.7'	–	40°13.9'	108°09.9'
22	46°08.3'	–	30°38.5'	47°38.4'	–	40°41.4'	108°28.5'
23	46°46.1'	–	31°12.6'	48°08.2'	–	41°09.1'	108°47.0'

Fri Aug 10, 2018 UTC

UTC	+Aldebaran Lunar Dist.	+Betelgeuse Lunar Dist.	+Rigel Lunar Dist.	+Capella Lunar Dist.
0	47°24.0'	31°46.9'	48°38.3'	41°37.1'
1	48°01.8'	32°21.3'	49°08.4'	42°05.3'
2	48°39.7'	32°55.8'	49°38.8'	42°33.7'
3	49°17.6'	33°30.5'	50°09.2'	43°02.3'
4	49°55.5'	34°05.2'	50°39.8'	43°31.1'
5	50°33.4'	34°40.1'	51°10.5'	44°00.1'
6	51°11.3'	35°15.1'	51°41.3'	44°29.2'
7	51°49.2'	35°50.1'	52°12.3'	44°58.6'
8	52°27.1'	36°25.3'	52°43.3'	45°28.1'
9	53°05.1'	37°00.5'	53°14.5'	45°57.8'
10	53°43.0'	37°35.9'	53°45.8'	46°27.7'
11	54°21.0'	38°11.3'	54°17.2'	46°57.7'
12	54°58.9'	38°46.7'	54°48.7'	47°27.9'
13	55°36.9'	39°22.3'	55°20.3'	47°58.2'
14	56°14.8'	39°57.9'	55°51.9'	48°28.6'
15	56°52.8'	40°33.6'	56°23.7'	48°59.2'
16	57°30.8'	41°09.3'	56°55.5'	49°29.9'
17	58°08.8'	41°45.1'	57°27.5'	50°00.8'
18	58°46.8'	42°21.0'	57°59.5'	50°31.7'
19	59°24.7'	42°56.9'	58°31.6'	51°02.8'
20	60°02.7'	43°32.8'	59°03.7'	51°34.0'
21	60°40.7'	44°08.8'	59°36.0'	52°05.3'
22	61°18.7'	44°44.8'	60°08.3'	52°36.7'
23	61°56.7'	45°20.9'	60°40.6'	53°08.2'

Mon Aug 13, 2018 UTC

UTC	—Spica Lunar Dist.	—Venus Lunar Dist.	—Jupiter Lunar Dist.	—Antares Lunar Dist.	—Saturn Lunar Dist.	—Arcturus Lunar Dist.
0	41°58.7'	23°59.8'	62°31.5'	87°51.5'	110°30.6'	48°17.9'
1	41°22.3'	23°26.4'	61°54.9'	87°15.0'	109°53.6'	47°47.7'
2	40°46.1'	22°53.1'	61°18.3'	86°38.5'	109°16.6'	47°17.8'
3	40°09.9'	22°19.9'	60°41.8'	86°02.0'	108°39.6'	46°48.0'
4	39°33.7'	21°46.8'	60°05.3'	85°25.6'	108°02.7'	46°18.3'
5	38°57.6'	21°13.8'	59°28.8'	84°49.2'	107°25.8'	45°48.8'
6	38°21.6'	20°40.9'	58°52.4'	84°12.9'	106°48.9'	45°19.5'
7	37°45.6'	20°08.1'	58°16.0'	83°36.6'	106°12.1'	44°50.3'
8	37°09.7'	19°35.4'	57°39.7'	83°00.3'	105°35.3'	44°21.4'
9	36°33.8'	19°02.9'	57°03.4'	82°24.1'	104°58.6'	43°52.6'
10	35°58.0'	18°30.4'	56°27.1'	81°47.9'	104°21.9'	43°24.0'
11	35°22.3'	17°58.2'	55°50.9'	81°11.7'	103°45.2'	42°55.6'
12	34°46.6'	17°26.1'	55°14.8'	80°35.6'	103°08.6'	42°27.4'
13	34°11.0'	16°54.1'	54°38.6'	79°59.6'	102°32.0'	41°59.4'
14	33°35.4'	16°22.4'	54°02.6'	79°23.5'	101°55.5'	41°31.6'
15	32°60.0'	15°50.8'	53°26.5'	78°47.6'	101°19.0'	41°04.0'
16	32°24.6'	15°19.4'	52°50.5'	78°11.6'	100°42.5'	40°36.6'
17	31°49.3'	14°48.3'	52°14.6'	77°35.7'	100°06.1'	40°09.5'
18	31°14.0'	14°17.3'	51°38.7'	76°59.9'	99°29.7'	39°42.6'
19	30°38.9'	13°46.7'	51°02.8'	76°24.1'	98°53.4'	39°16.0'
20	30°03.8'	13°16.3'	50°27.0'	75°48.3'	98°17.1'	38°49.6'
21	29°28.8'	12°46.3'	49°51.2'	75°12.6'	97°40.9'	38°23.5'
22	28°53.9'	12°16.6'	49°15.5'	74°37.0'	97°04.7'	37°57.6'
23	28°19.0'	11°47.3'	48°39.8'	74°01.4'	96°28.5'	37°32.0'

Tue Aug 14, 2018 UTC

UTC	—Spica Lunar Dist.	—Jupiter Lunar Dist.	—Antares Lunar Dist.	—Venus Lunar Dist.	—Saturn Lunar Dist.	—Arcturus Lunar Dist.
0	27°44.3'	48°04.2'	73°25.8'	11°18.5'	95°52.4'	37°06.7'
1	27°09.7'	47°28.7'	72°50.3'	10°50.1'	95°16.3'	36°41.6'
2	26°35.1'	46°53.1'	72°14.8'	10°22.3'	94°40.3'	36°16.9'
3	26°00.7'	46°17.7'	71°39.4'	9°55.1'	94°04.3'	35°52.4'
4	25°26.4'	45°42.2'	71°04.0'	9°28.5'	93°28.4'	35°28.3'
5	24°52.2'	45°06.9'	70°28.7'	—	92°52.5'	35°04.5'
6	24°18.1'	44°31.5'	69°53.4'	—	92°16.7'	34°41.0'
7	23°44.1'	43°56.3'	69°18.1'	—	91°40.9'	34°17.9'
8	23°10.2'	43°21.0'	68°43.0'	—	91°05.2'	33°55.1'
9	22°36.5'	42°45.9'	68°07.8'	—	90°29.5'	33°32.6'
10	22°02.9'	42°10.7'	67°32.8'	—	89°53.8'	33°10.6'
11	21°29.5'	41°35.7'	66°57.7'	—	89°18.2'	32°48.9'
12	20°56.2'	41°00.7'	66°22.8'	—	88°42.7'	32°27.6'
13	20°23.1'	40°25.7'	65°47.8'	—	88°07.2'	32°06.7'
14	19°50.2'	39°50.8'	65°13.0'	—	87°31.7'	31°46.2'
15	19°17.4'	39°15.9'	64°38.1'	—	86°56.3'	31°26.1'
16	18°44.8'	38°41.1'	64°03.4'	—	86°20.9'	31°06.5'
17	18°12.5'	38°06.4'	63°28.6'	—	85°45.6'	30°47.3'
18	17°40.3'	37°31.7'	62°54.0'	—	85°10.4'	30°28.6'
19	17°08.4'	36°57.1'	62°19.4'	—	84°35.1'	30°10.3'
20	16°36.8'	36°22.5'	61°44.8'	—	83°60.0'	29°52.6'
21	16°05.4'	35°47.9'	61°10.3'	—	83°24.9'	29°35.3'
22	15°34.4'	35°13.5'	60°35.9'	—	82°49.8'	29°18.5'
23	15°03.6'	34°39.1'	60°01.5'	—	82°14.8'	29°02.2'

Wed Aug 15, 2018 UTC

UTC	+Sun Lunar Dist.	-Jupiter Lunar Dist.	-Spica Lunar Dist.	-Antares Lunar Dist.	-Saturn Lunar Dist.	-Mars Lunar Dist.
0	49°16.8'	34°04.7'	14°33.2'	59°27.1'	81°39.8'	108°48.1'
1	49°49.3'	33°30.4'	14°03.2'	58°52.8'	81°04.9'	108°13.1'
2	50°21.7'	32°56.2'	13°33.6'	58°18.6'	80°30.0'	107°38.2'
3	50°54.0'	32°22.0'	13°04.5'	57°44.4'	79°55.2'	107°03.3'
4	51°26.3'	31°47.9'	12°35.8'	57°10.3'	79°20.4'	106°28.4'
5	51°58.6'	31°13.8'	12°07.8'	56°36.3'	78°45.7'	105°53.6'
6	52°30.8'	30°39.8'	11°40.3'	56°02.2'	78°11.0'	105°18.9'
7	53°03.0'	30°05.9'	11°13.6'	55°28.3'	77°36.4'	104°44.2'
8	53°35.1'	29°32.0'	–	54°54.4'	77°01.8'	104°09.6'
9	54°07.1'	28°58.2'	–	54°20.6'	76°27.3'	103°35.0'
10	54°39.1'	28°24.5'	–	53°46.8'	75°52.8'	103°00.4'
11	55°11.1'	27°50.8'	–	53°13.1'	75°18.4'	102°25.9'
12	55°43.0'	27°17.2'	–	52°39.4'	74°44.0'	101°51.5'
13	56°14.9'	26°43.6'	–	52°05.8'	74°09.7'	101°17.1'
14	56°46.7'	26°10.1'	–	51°32.2'	73°35.4'	100°42.7'
15	57°18.5'	25°36.7'	–	50°58.8'	73°01.2'	100°08.4'
16	57°50.2'	25°03.4'	–	50°25.3'	72°27.0'	99°34.1'
17	58°21.8'	24°30.1'	–	49°52.0'	71°52.9'	98°59.9'
18	58°53.5'	23°56.9'	–	49°18.6'	71°18.8'	98°25.8'
19	59°25.0'	23°23.7'	–	48°45.4'	70°44.7'	97°51.7'
20	59°56.5'	22°50.7'	–	48°12.2'	70°10.8'	97°17.6'
21	60°28.0'	22°17.7'	–	47°39.1'	69°36.8'	96°43.6'
22	60°59.4'	21°44.8'	–	47°06.0'	69°02.9'	96°09.6'
23	61°30.8'	21°12.0'	–	46°33.0'	68°29.1'	95°35.7'

Thu Aug 16, 2018 UTC

UTC	+Sun Lunar Dist.	-Jupiter Lunar Dist.	-Antares Lunar Dist.	+Venus Lunar Dist.	-Saturn Lunar Dist.	-Mars Lunar Dist.	-Altair Lunar Dist.
0	62°02.2'	20°39.2'	46°00.0'	17°16.7'	67°55.3'	95°01.8'	93°33.7'
1	62°33.4'	20°06.6'	45°27.2'	17°46.1'	67°21.6'	94°28.0'	93°04.2'
2	63°04.7'	19°34.0'	44°54.3'	18°15.5'	66°47.9'	93°54.2'	92°34.7'
3	63°35.8'	19°01.6'	44°21.6'	18°45.0'	66°14.2'	93°20.5'	92°05.3'
4	64°07.0'	18°29.2'	43°48.9'	19°14.6'	65°40.6'	92°46.8'	91°35.9'
5	64°38.1'	17°56.9'	43°16.2'	19°44.1'	65°07.1'	92°13.2'	91°06.6'
6	65°09.1'	17°24.7'	42°43.7'	20°13.7'	64°33.6'	91°39.6'	90°37.3'
7	65°40.1'	16°52.7'	42°11.1'	20°43.3'	64°00.1'	91°06.1'	90°08.0'
8	66°11.1'	16°20.7'	41°38.7'	21°13.0'	63°26.7'	90°32.6'	89°38.8'
9	66°42.0'	15°48.9'	41°06.3'	21°42.6'	62°53.3'	89°59.2'	89°09.6'
10	67°12.8'	15°17.2'	40°34.0'	22°12.3'	62°20.0'	89°25.8'	88°40.5'
11	67°43.6'	14°45.7'	40°01.8'	22°41.9'	61°46.8'	88°52.4'	88°11.4'
12	68°14.4'	14°14.3'	39°29.6'	23°11.6'	61°13.5'	88°19.2'	87°42.3'
13	68°45.1'	13°43.0'	38°57.5'	23°41.3'	60°40.4'	87°45.9'	87°13.3'
14	69°15.8'	13°12.0'	38°25.4'	24°10.9'	60°07.2'	87°12.7'	86°44.4'
15	69°46.4'	12°41.1'	37°53.5'	24°40.6'	59°34.2'	86°39.5'	86°15.4'
16	70°17.0'	12°10.4'	37°21.6'	25°10.2'	59°01.1'	86°06.4'	85°46.6'
17	70°47.5'	11°39.9'	36°49.7'	25°39.9'	58°28.1'	85°33.4'	85°17.7'
18	71°18.0'	11°09.7'	36°18.0'	26°09.5'	57°55.2'	85°00.4'	84°48.9'
19	71°48.4'	10°39.8'	35°46.3'	26°39.1'	57°22.3'	84°27.4'	84°20.2'
20	72°18.8'	10°10.2'	35°14.7'	27°08.7'	56°49.4'	83°54.5'	83°51.5'
21	72°49.2'	9°40.9'	34°43.1'	27°38.3'	56°16.6'	83°21.6'	83°22.9'
22	73°19.5'	9°12.0'	34°11.7'	28°07.8'	55°43.9'	82°48.8'	82°54.3'
23	73°49.8'	8°43.6'	33°40.3'	28°37.4'	55°11.2'	82°16.0'	82°25.7'

Fri Aug 17, 2018 UTC

UTC	+Sun Lunar Dist.	-Antares Lunar Dist.	+Spica Lunar Dist.	-Saturn Lunar Dist.	+Venus Lunar Dist.	-Jupiter Lunar Dist.	-Mars Lunar Dist.
0	74°20.0'	33°09.0'	15°59.4'	54°38.5'	29°06.9'	8°15.7'	81°43.2'
1	74°50.2'	32°37.8'	16°28.5'	54°05.9'	29°36.4'	7°48.4'	81°10.5'
2	75°20.3'	32°06.6'	16°57.8'	53°33.3'	30°05.9'	–	80°37.9'
3	75°50.4'	31°35.5'	17°27.2'	53°00.7'	30°35.3'	–	80°05.3'
4	76°20.4'	31°04.6'	17°56.7'	52°28.2'	31°04.8'	–	79°32.7'
5	76°50.4'	30°33.7'	18°26.4'	51°55.8'	31°34.2'	–	79°00.2'
6	77°20.4'	30°02.9'	18°56.2'	51°23.4'	32°03.5'	–	78°27.7'
7	77°50.3'	29°32.1'	19°26.0'	50°51.0'	32°32.9'	–	77°55.3'
8	78°20.2'	29°01.5'	19°56.0'	50°18.7'	33°02.2'	–	77°22.9'
9	78°50.0'	28°31.0'	20°26.0'	49°46.4'	33°31.5'	–	76°50.6'
10	79°19.8'	28°00.6'	20°56.1'	49°14.1'	34°00.8'	–	76°18.3'
11	79°49.6'	27°30.2'	21°26.3'	48°41.9'	34°30.1'	–	75°46.0'
12	80°19.3'	27°00.0'	21°56.5'	48°09.8'	34°59.3'	–	75°13.8'
13	80°49.0'	26°29.9'	22°26.8'	47°37.6'	35°28.5'	–	74°41.6'
14	81°18.6'	25°59.9'	22°57.1'	47°05.6'	35°57.7'	–	74°09.5'
15	81°48.2'	25°30.0'	23°27.4'	46°33.5'	36°26.8'	–	73°37.4'
16	82°17.8'	25°00.2'	23°57.8'	46°01.5'	36°55.9'	–	73°05.3'
17	82°47.3'	24°30.6'	24°28.1'	45°29.6'	37°25.0'	–	72°33.3'
18	83°16.8'	24°01.0'	24°58.6'	44°57.6'	37°54.1'	–	72°01.4'
19	83°46.2'	23°31.6'	25°29.0'	44°25.8'	38°23.1'	–	71°29.4'
20	84°15.6'	23°02.4'	25°59.4'	43°53.9'	38°52.1'	–	70°57.6'
21	84°45.0'	22°33.3'	26°29.9'	43°22.1'	39°21.1'	–	70°25.7'
22	85°14.3'	22°04.3'	27°00.4'	42°50.3'	39°50.0'	–	69°53.9'
23	85°43.6'	21°35.5'	27°30.9'	42°18.6'	40°18.9'	–	69°22.1'

Sat Aug 18, 2018 UTC

UTC	+Sun Lunar Dist.	+Spica Lunar Dist.	-Saturn Lunar Dist.	-Antares Lunar Dist.	-Mars Lunar Dist.	+Venus Lunar Dist.	-Altair Lunar Dist.
0	86°12.8'	28°01.3'	41°46.9'	21°06.8'	68°50.4'	40°47.8'	70°48.5'
1	86°42.0'	28°31.8'	41°15.3'	20°38.4'	68°18.7'	41°16.7'	70°21.3'
2	87°11.2'	29°02.3'	40°43.7'	20°10.1'	67°47.1'	41°45.5'	69°54.2'
3	87°40.4'	29°32.8'	40°12.1'	19°42.0'	67°15.5'	42°14.3'	69°27.2'
4	88°09.5'	30°03.3'	39°40.6'	19°14.1'	66°43.9'	42°43.1'	69°00.2'
5	88°38.5'	30°33.8'	39°09.1'	18°46.4'	66°12.4'	43°11.8'	68°33.2'
6	89°07.6'	31°04.3'	38°37.6'	18°18.9'	65°40.9'	43°40.5'	68°06.3'
7	89°36.6'	31°34.8'	38°06.2'	17°51.7'	65°09.4'	44°09.2'	67°39.5'
8	90°05.5'	32°05.2'	37°34.8'	17°24.8'	64°38.0'	44°37.9'	67°12.8'
9	90°34.5'	32°35.7'	37°03.4'	16°58.1'	64°06.6'	45°06.5'	66°46.1'
10	91°03.4'	33°06.2'	36°32.1'	16°31.7'	63°35.3'	45°35.1'	66°19.4'
11	91°32.2'	33°36.6'	36°00.8'	16°05.6'	63°04.0'	46°03.7'	65°52.9'
12	92°01.1'	34°07.1'	35°29.5'	15°39.9'	62°32.7'	46°32.2'	65°26.3'
13	92°29.9'	34°37.5'	34°58.3'	15°14.5'	62°01.5'	47°00.8'	64°59.9'
14	92°58.6'	35°07.9'	34°27.1'	14°49.5'	61°30.3'	47°29.3'	64°33.5'
15	93°27.4'	35°38.3'	33°56.0'	14°24.9'	60°59.1'	47°57.7'	64°07.2'
16	93°56.1'	36°08.7'	33°24.9'	14°00.8'	60°28.0'	48°26.2'	63°41.0'
17	94°24.7'	36°39.1'	32°53.8'	13°37.2'	59°56.9'	48°54.6'	63°14.8'
18	94°53.4'	37°09.4'	32°22.7'	13°14.1'	59°25.9'	49°23.0'	62°48.7'
19	95°22.0'	37°39.8'	31°51.7'	12°51.5'	58°54.8'	49°51.3'	62°22.6'
20	95°50.6'	38°10.1'	31°20.7'	12°29.6'	58°23.8'	50°19.7'	61°56.6'
21	96°19.1'	38°40.4'	30°49.8'	12°08.4'	57°52.9'	50°48.0'	61°30.7'
22	96°47.6'	39°10.7'	30°18.9'	11°47.8'	57°22.0'	51°16.2'	61°04.9'
23	97°16.1'	39°41.0'	29°48.0'	–	56°51.1'	51°44.5'	60°39.1'



## Sun Aug 19, 2018 UTC

UTC	+Sun Lunar Dist.	-Saturn Lunar Dist.	+Jupiter Lunar Dist.	+Spica Lunar Dist.	-Mars Lunar Dist.	+Venus Lunar Dist.	-Formalhaut Lunar Dist.
0	97°44.6'	29°17.1'	18°32.8'	40°11.3'	56°20.2'	52°12.7'	92°01.4'
1	98°13.0'	28°46.3'	19°02.5'	40°41.6'	55°49.4'	52°40.9'	91°32.2'
2	98°41.4'	28°15.5'	19°32.3'	41°11.8'	55°18.6'	53°09.1'	91°03.0'
3	99°09.8'	27°44.7'	20°02.0'	41°42.0'	54°47.9'	53°37.3'	90°33.8'
4	99°38.1'	27°14.0'	20°31.8'	42°12.3'	54°17.2'	54°05.4'	90°04.7'
5	100°06.5'	26°43.3'	21°01.6'	42°42.4'	53°46.5'	54°33.5'	89°35.5'
6	100°34.7'	26°12.6'	21°31.3'	43°12.6'	53°15.8'	55°01.6'	89°06.4'
7	101°03.0'	25°42.0'	22°01.1'	43°42.8'	52°45.2'	55°29.7'	88°37.3'
8	101°31.2'	25°11.4'	22°30.9'	44°12.9'	52°14.6'	55°57.7'	88°08.3'
9	101°59.5'	24°40.8'	23°00.7'	44°43.1'	51°44.0'	56°25.7'	87°39.2'
10	102°27.6'	24°10.3'	23°30.4'	45°13.2'	51°13.5'	56°53.7'	87°10.2'
11	102°55.8'	23°39.8'	24°00.2'	45°43.3'	50°43.0'	57°21.7'	86°41.3'
12	103°23.9'	23°09.3'	24°30.0'	46°13.4'	50°12.6'	57°49.6'	86°12.3'
13	103°52.1'	22°38.8'	24°59.7'	46°43.4'	49°42.1'	58°17.6'	85°43.4'
14	104°20.1'	22°08.4'	25°29.5'	47°13.5'	49°11.7'	58°45.5'	85°14.5'
15	104°48.2'	21°38.0'	25°59.3'	47°43.5'	48°41.3'	59°13.4'	84°45.6'
16	105°16.2'	21°07.6'	26°29.0'	48°13.5'	48°11.0'	59°41.2'	84°16.7'
17	105°44.3'	20°37.3'	26°58.7'	48°43.5'	47°40.7'	60°09.1'	83°47.9'
18	106°12.3'	20°07.0'	27°28.5'	49°13.5'	47°10.4'	60°36.9'	83°19.1'
19	106°40.2'	19°36.7'	27°58.2'	49°43.5'	46°40.2'	61°04.7'	82°50.3'
20	107°08.2'	19°06.5'	28°27.9'	50°13.4'	46°09.9'	61°32.5'	82°21.6'
21	107°36.1'	18°36.3'	28°57.6'	50°43.4'	45°39.7'	62°00.2'	81°52.8'
22	108°04.0'	18°06.1'	29°27.3'	51°13.3'	45°09.6'	62°28.0'	81°24.1'
23	108°31.9'	17°35.9'	29°56.9'	51°43.2'	44°39.4'	62°55.7'	80°55.4'

## Mon Aug 20, 2018 UTC

UTC	+Sun Lunar Dist.	-Saturn Lunar Dist.	+Jupiter Lunar Dist.	-Mars Lunar Dist.	+Spica Lunar Dist.	+Venus Lunar Dist.	-Formalhaut Lunar Dist.
0	108°59.7'	17°05.8'	30°26.6'	44°09.3'	52°13.1'	63°23.4'	80°26.8'
1	109°27.6'	16°35.8'	30°56.3'	43°39.3'	52°43.0'	63°51.1'	79°58.1'
2	109°55.4'	16°05.7'	31°25.9'	43°09.2'	53°12.8'	64°18.8'	79°29.5'
3	110°23.2'	15°35.7'	31°55.5'	42°39.2'	53°42.7'	64°46.4'	79°01.0'
4	110°51.0'	15°05.7'	32°25.2'	42°09.2'	54°12.5'	65°14.0'	78°32.4'
5	111°18.7'	14°35.8'	32°54.8'	41°39.3'	54°42.3'	65°41.7'	78°03.9'
6	111°46.5'	14°05.9'	33°24.4'	41°09.3'	55°12.1'	66°09.3'	77°35.3'
7	112°14.2'	13°36.1'	33°54.0'	40°39.4'	55°41.9'	66°36.8'	77°06.8'
8	112°41.9'	13°06.3'	34°23.5'	40°09.6'	56°11.7'	67°04.4'	76°38.4'
9	113°09.6'	12°36.5'	34°53.1'	39°39.7'	56°41.4'	67°31.9'	76°09.9'
10	113°37.3'	12°06.8'	35°22.7'	39°09.9'	57°11.2'	67°59.5'	75°41.5'
11	114°04.9'	11°37.2'	35°52.2'	38°40.1'	57°40.9'	68°27.0'	75°13.1'
12	114°32.5'	11°07.6'	36°21.7'	38°10.4'	58°10.6'	68°54.5'	74°44.7'
13	115°00.2'	10°38.1'	36°51.3'	37°40.6'	58°40.4'	69°22.0'	74°16.4'
14	115°27.8'	10°08.7'	37°20.8'	37°10.9'	59°10.0'	69°49.5'	73°48.1'
15	115°55.3'	9°39.3'	37°50.3'	36°41.3'	59°39.7'	70°16.9'	73°19.8'
16	116°22.9'	9°10.0'	38°19.7'	36°11.6'	60°09.4'	70°44.4'	72°51.5'
17	116°50.5'	8°40.9'	38°49.2'	35°42.0'	60°39.1'	71°11.8'	72°23.2'
18	117°18.0'	8°11.8'	39°18.7'	35°12.5'	61°08.7'	71°39.2'	71°55.0'
19	117°45.5'	7°42.9'	39°48.1'	34°42.9'	61°38.3'	72°06.6'	71°26.8'
20	118°13.0'	7°14.2'	40°17.6'	34°13.4'	62°08.0'	72°34.0'	70°58.6'
21	118°40.5'	6°45.6'	40°47.0'	33°43.9'	62°37.6'	73°01.4'	70°30.4'
22	119°08.0'	6°17.3'	41°16.5'	33°14.5'	63°07.2'	73°28.7'	70°02.3'
23	119°35.5'	5°49.3'	41°45.9'	32°45.1'	63°36.8'	73°56.1'	69°34.2'

Tue Aug 21, 2018 UTC

UTC	−Saturn Lunar Dist.	−Mars Lunar Dist.	⊕Jupiter Lunar Dist.	⊕Antares Lunar Dist.	⊕Spica Lunar Dist.	−Formalhaut Lunar Dist.	⊕Venus Lunar Dist.
0	5°21.6′	32°15.7′	42°15.3′	19°35.7′	64°06.4′	69°06.1′	74°23.4′
1	4°54.4′	31°46.4′	42°44.7′	20°02.3′	64°35.9′	68°38.0′	74°50.7′
2	4°27.8′	31°17.0′	43°14.1′	20°29.0′	65°05.5′	68°10.0′	75°18.1′
3	—	30°47.8′	43°43.4′	20°55.8′	65°35.1′	67°41.9′	75°45.4′
4	—	30°18.5′	44°12.8′	21°22.7′	66°04.6′	67°14.0′	76°12.7′
5	—	29°49.3′	44°42.2′	21°49.8′	66°34.1′	66°46.0′	76°39.9′
6	—	29°20.2′	45°11.5′	22°16.9′	67°03.7′	66°18.0′	77°07.2′
7	—	28°51.0′	45°40.9′	22°44.2′	67°33.2′	65°50.1′	77°34.5′
8	—	28°21.9′	46°10.2′	23°11.5′	68°02.7′	65°22.2′	78°01.7′
9	—	27°52.9′	46°39.5′	23°38.9′	68°32.2′	64°54.3′	78°29.0′
10	—	27°23.9′	47°08.9′	24°06.4′	69°01.7′	64°26.5′	78°56.2′
11	—	26°54.9′	47°38.2′	24°34.0′	69°31.1′	63°58.6′	79°23.4′
12	—	26°26.0′	48°07.5′	25°01.6′	70°00.6′	63°30.8′	79°50.7′
13	—	25°57.1′	48°36.8′	25°29.3′	70°30.1′	63°03.1′	80°17.9′
14	—	25°28.3′	49°06.1′	25°57.1′	70°59.5′	62°35.3′	80°45.1′
15	—	24°59.6′	49°35.3′	26°24.9′	71°29.0′	62°07.6′	81°12.3′
16	—	24°30.8′	50°04.6′	26°52.7′	71°58.4′	61°39.9′	81°39.4′
17	—	24°02.2′	50°33.9′	27°20.7′	72°27.9′	61°12.2′	82°06.6′
18	4°33.4′	23°33.6′	51°03.2′	27°48.7′	72°57.3′	60°44.5′	82°33.8′
19	5°00.0′	23°05.0′	51°32.4′	28°16.7′	73°26.7′	60°16.9′	83°00.9′
20	5°27.2′	22°36.5′	52°01.7′	28°44.7′	73°56.2′	59°49.3′	83°28.1′
21	5°54.7′	22°08.1′	52°30.9′	29°12.9′	74°25.6′	59°21.8′	83°55.3′
22	6°22.6′	21°39.7′	53°00.2′	29°41.0′	74°55.0′	58°54.2′	84°22.4′
23	6°50.7′	21°11.5′	53°29.4′	30°09.2′	75°24.4′	58°26.7′	84°49.5′

Wed Aug 22, 2018 UTC

UTC	⊕Saturn Lunar Dist.	−Mars Lunar Dist.	⊕Antares Lunar Dist.	⊕Jupiter Lunar Dist.	⊕Spica Lunar Dist.	−Formalhaut Lunar Dist.	⊕Arcturus Lunar Dist.
0	7°19.0′	20°43.3′	30°37.4′	53°58.6′	75°53.8′	57°59.2′	76°17.1′
1	7°47.5′	20°15.1′	31°05.7′	54°27.9′	76°23.2′	57°31.7′	76°43.6′
2	8°16.2′	19°47.1′	31°34.0′	54°57.1′	76°52.6′	57°04.3′	77°10.2′
3	8°44.9′	19°19.2′	32°02.3′	55°26.3′	77°22.0′	56°36.9′	77°36.8′
4	9°13.7′	18°51.3′	32°30.6′	55°55.5′	77°51.4′	56°09.5′	78°03.4′
5	9°42.7′	18°23.6′	32°59.0′	56°24.7′	78°20.7′	55°42.2′	78°30.0′
6	10°11.6′	17°56.0′	33°27.4′	56°53.9′	78°50.1′	55°14.9′	78°56.6′
7	10°40.7′	17°28.5′	33°55.9′	57°23.1′	79°19.5′	54°47.6′	79°23.2′
8	11°09.8′	17°01.1′	34°24.3′	57°52.4′	79°48.8′	54°20.3′	79°49.8′
9	11°38.9′	16°33.9′	34°52.8′	58°21.6′	80°18.2′	53°53.1′	80°16.4′
10	12°08.1′	16°06.8′	35°21.3′	58°50.7′	80°47.6′	53°25.9′	80°43.0′
11	12°37.3′	15°39.9′	35°49.8′	59°19.9′	81°16.9′	52°58.8′	81°09.6′
12	13°06.5′	15°13.1′	36°18.4′	59°49.1′	81°46.3′	52°31.6′	81°36.3′
13	13°35.8′	14°46.6′	36°47.0′	60°18.3′	82°15.6′	52°04.6′	82°02.9′
14	14°05.1′	14°20.2′	37°15.6′	60°47.5′	82°45.0′	51°37.5′	82°29.5′
15	14°34.4′	13°54.1′	37°44.2′	61°16.7′	83°14.3′	51°10.5′	82°56.2′
16	15°03.7′	13°28.2′	38°12.8′	61°45.9′	83°43.7′	50°43.5′	83°22.8′
17	15°33.1′	13°02.6′	38°41.4′	62°15.1′	84°13.0′	50°16.6′	83°49.5′
18	16°02.4′	12°37.4′	39°10.1′	62°44.3′	84°42.4′	49°49.6′	84°16.1′
19	16°31.8′	12°12.4′	39°38.8′	63°13.4′	85°11.7′	49°22.8′	84°42.8′
20	17°01.2′	11°47.8′	40°07.5′	63°42.6′	85°41.1′	48°56.0′	85°09.4′
21	17°30.6′	11°23.6′	40°36.2′	64°11.8′	86°10.4′	48°29.2′	85°36.1′
22	18°00.0′	10°59.9′	41°05.0′	64°41.0′	86°39.8′	48°02.4′	86°02.7′
23	18°29.5′	10°36.7′	41°33.7′	65°10.2′	87°09.1′	47°35.7′	86°29.4′

Thu Aug 23, 2018 UTC

UTC	+Saturn Lunar Dist.	+Antares Lunar Dist.	+Jupiter Lunar Dist.	-Formalhaut Lunar Dist.	-Mars Lunar Dist.	+Spica Lunar Dist.	+Arcturus Lunar Dist.
0	18°58.9'	42°02.5'	65°39.4'	47°09.1'	10°14.0'	87°38.5'	86°56.1'
1	19°28.3'	42°31.3'	66°08.5'	46°42.4'	9°51.9'	88°07.8'	87°22.8'
2	19°57.8'	43°00.1'	66°37.7'	46°15.9'	9°30.6'	88°37.1'	87°49.4'
3	20°27.2'	43°28.9'	67°06.9'	45°49.3'	—	89°06.5'	88°16.1'
4	20°56.7'	43°57.7'	67°36.1'	45°22.9'	—	89°35.8'	88°42.8'
5	21°26.2'	44°26.5'	68°05.3'	44°56.4'	—	90°05.2'	89°09.5'
6	21°55.7'	44°55.4'	68°34.5'	44°30.1'	—	90°34.5'	89°36.1'
7	22°25.2'	45°24.3'	69°03.7'	44°03.7'	—	91°03.9'	90°02.8'
8	22°54.7'	45°53.1'	69°32.9'	43°37.5'	—	91°33.2'	90°29.5'
9	23°24.2'	46°22.0'	70°02.0'	43°11.3'	—	92°02.6'	90°56.2'
10	23°53.7'	46°50.9'	70°31.2'	42°45.1'	—	92°31.9'	91°22.9'
11	24°23.2'	47°19.8'	71°00.4'	42°19.0'	—	93°01.3'	91°49.6'
12	24°52.7'	47°48.8'	71°29.6'	41°53.0'	—	93°30.6'	92°16.3'
13	25°22.3'	48°17.7'	71°58.8'	41°27.0'	—	93°60.0'	92°43.0'
14	25°51.8'	48°46.7'	72°28.1'	41°01.1'	—	94°29.3'	93°09.6'
15	26°21.4'	49°15.6'	72°57.3'	40°35.3'	—	94°58.7'	93°36.3'
16	26°50.9'	49°44.6'	73°26.5'	40°09.5'	—	95°28.1'	94°03.0'
17	27°20.5'	50°13.6'	73°55.7'	39°43.8'	—	95°57.4'	94°29.7'
18	27°50.0'	50°42.6'	74°24.9'	39°18.2'	—	96°26.8'	94°56.4'
19	28°19.6'	51°11.6'	74°54.1'	38°52.6'	—	96°56.2'	95°23.1'
20	28°49.2'	51°40.7'	75°23.4'	38°27.1'	—	97°25.6'	95°49.8'
21	29°18.8'	52°09.7'	75°52.6'	38°01.7'	—	97°55.0'	96°16.4'
22	29°48.4'	52°38.8'	76°21.8'	37°36.4'	—	98°24.3'	96°43.1'
23	30°18.0'	53°07.8'	76°51.1'	37°11.2'	—	98°53.7'	97°09.8'

Fri Aug 24, 2018 UTC

UTC	+Saturn Lunar Dist.	+Antares Lunar Dist.	+Jupiter Lunar Dist.	-Formalhaut Lunar Dist.	+Spica Lunar Dist.	+Arcturus Lunar Dist.	+Venus Lunar Dist.
0	30°47.6'	53°36.9'	77°20.3'	36°46.1'	99°23.1'	97°36.5'	106°56.5'
1	31°17.2'	54°06.0'	77°49.6'	36°21.0'	99°52.5'	98°03.1'	107°23.6'
2	31°46.8'	54°35.1'	78°18.8'	35°56.1'	100°21.9'	98°29.8'	107°50.7'
3	32°16.4'	55°04.2'	78°48.1'	35°31.3'	100°51.3'	98°56.5'	108°17.9'
4	32°46.1'	55°33.3'	79°17.3'	35°06.5'	101°20.7'	99°23.2'	108°45.0'
5	33°15.7'	56°02.5'	79°46.6'	34°41.9'	101°50.2'	99°49.8'	109°12.1'
6	33°45.4'	56°31.6'	80°15.9'	34°17.4'	102°19.6'	100°16.5'	109°39.2'
7	34°15.0'	57°00.8'	80°45.2'	33°53.0'	102°49.0'	100°43.1'	110°06.4'
8	34°44.7'	57°29.9'	81°14.5'	33°28.7'	103°18.4'	101°09.8'	110°33.5'
9	35°14.4'	57°59.1'	81°43.8'	33°04.5'	103°47.9'	101°36.4'	111°00.6'
10	35°44.0'	58°28.3'	82°13.1'	32°40.5'	104°17.3'	102°03.1'	111°27.8'
11	36°13.7'	58°57.5'	82°42.4'	32°16.6'	104°46.7'	102°29.7'	111°54.9'
12	36°43.4'	59°26.7'	83°11.7'	31°52.8'	105°16.2'	102°56.3'	112°22.1'
13	37°13.1'	59°55.9'	83°41.0'	31°29.2'	105°45.6'	103°23.0'	112°49.2'
14	37°42.8'	60°25.2'	84°10.3'	31°05.8'	106°15.1'	103°49.6'	113°16.4'
15	38°12.5'	60°54.4'	84°39.7'	30°42.5'	106°44.6'	104°16.2'	113°43.6'
16	38°42.3'	61°23.7'	85°09.0'	30°19.3'	107°14.0'	104°42.8'	114°10.7'
17	39°12.0'	61°53.0'	85°38.3'	29°56.3'	107°43.5'	105°09.4'	114°37.9'
18	39°41.7'	62°22.2'	86°07.7'	29°33.5'	108°13.0'	105°36.0'	115°05.1'
19	40°11.5'	62°51.5'	86°37.1'	29°10.9'	108°42.5'	106°02.6'	115°32.3'
20	40°41.2'	63°20.8'	87°06.4'	28°48.5'	109°12.0'	106°29.2'	115°59.5'
21	41°11.0'	63°50.2'	87°35.8'	28°26.3'	109°41.5'	106°55.7'	116°26.7'
22	41°40.8'	64°19.5'	88°05.2'	28°04.3'	110°11.0'	107°22.3'	116°53.9'
23	42°10.6'	64°48.8'	88°34.6'	27°42.5'	110°40.5'	107°48.8'	117°21.1'

## Sat Aug 25, 2018 UTC

UTC	+Mars Lunar Dist.	+Saturn Lunar Dist.	+Antares Lunar Dist.	+Jupiter Lunar Dist.	-Formalhaut Lunar Dist.	+Spica Lunar Dist.	-Aldebaran Lunar Dist.
0	17°24.3'	42°40.4'	65°18.2'	89°04.0'	27°20.9'	111°10.0'	114°31.2'
1	17°51.9'	43°10.2'	65°47.5'	89°33.4'	26°59.6'	111°39.6'	114°01.4'
2	18°19.6'	43°40.0'	66°16.9'	90°02.8'	26°38.5'	112°09.1'	113°31.6'
3	18°47.4'	44°09.8'	66°46.3'	90°32.2'	26°17.6'	112°38.6'	113°01.8'
4	19°15.3'	44°39.6'	67°15.7'	91°01.7'	25°57.1'	113°08.2'	112°32.0'
5	19°43.3'	45°09.5'	67°45.1'	91°31.1'	25°36.8'	113°37.7'	112°02.2'
6	20°11.5'	45°39.3'	68°14.5'	92°00.6'	25°16.7'	114°07.3'	111°32.3'
7	20°39.7'	46°09.2'	68°44.0'	92°30.0'	24°57.0'	114°36.9'	111°02.5'
8	21°08.0'	46°39.1'	69°13.4'	92°59.5'	24°37.6'	115°06.5'	110°32.6'
9	21°36.3'	47°08.9'	69°42.9'	93°29.0'	24°18.6'	115°36.0'	110°02.8'
10	22°04.8'	47°38.8'	70°12.4'	93°58.5'	23°59.8'	116°05.6'	109°32.9'
11	22°33.3'	48°08.7'	70°41.9'	94°28.0'	23°41.4'	116°35.2'	109°03.0'
12	23°01.9'	48°38.6'	71°11.3'	94°57.5'	23°23.4'	117°04.8'	108°33.1'
13	23°30.5'	49°08.6'	71°40.9'	95°27.0'	23°05.8'	117°34.4'	108°03.2'
14	23°59.2'	49°38.5'	72°10.4'	95°56.5'	22°48.6'	118°04.1'	107°33.3'
15	24°28.0'	50°08.4'	72°39.9'	96°26.1'	22°31.7'	118°33.7'	107°03.4'
16	24°56.8'	50°38.4'	73°09.5'	96°55.6'	22°15.3'	119°03.3'	106°33.4'
17	25°25.7'	51°08.4'	73°39.0'	97°25.2'	21°59.4'	119°33.0'	106°03.5'
18	25°54.6'	51°38.3'	74°08.6'	97°54.7'	21°43.9'	120°02.6'	105°33.5'
19	26°23.6'	52°08.3'	74°38.2'	98°24.3'	21°28.9'	120°32.3'	105°03.6'
20	26°52.6'	52°38.3'	75°07.8'	98°53.9'	21°14.4'	121°01.9'	104°33.6'
21	27°21.7'	53°08.3'	75°37.4'	99°23.5'	21°00.4'	121°31.6'	104°03.6'
22	27°50.8'	53°38.3'	76°07.0'	99°53.1'	20°47.0'	122°01.3'	103°33.6'
23	28°19.9'	54°08.4'	76°36.6'	100°22.7'	20°34.1'	122°31.0'	103°03.6'

## Sun Aug 26, 2018 UTC

UTC	+Mars Lunar Dist.	+Saturn Lunar Dist.	+Antares Lunar Dist.	-Aldebaran Lunar Dist.	+Jupiter Lunar Dist.	-Betelgeuse Lunar Dist.	-Rigel Lunar Dist.
0	28°49.1'	54°38.4'	77°06.3'	102°33.6'	100°52.4'	119°46.7'	105°51.7'
1	29°18.3'	55°08.5'	77°35.9'	102°03.6'	101°22.0'	119°17.6'	105°25.2'
2	29°47.6'	55°38.5'	78°05.6'	101°33.5'	101°51.7'	118°48.6'	104°58.7'
3	30°16.9'	56°08.6'	78°35.3'	101°03.5'	102°21.3'	118°19.5'	104°32.2'
4	30°46.2'	56°38.7'	79°05.0'	100°33.4'	102°51.0'	117°50.4'	104°05.7'
5	31°15.6'	57°08.8'	79°34.7'	100°03.3'	103°20.7'	117°21.3'	103°39.1'
6	31°45.0'	57°38.9'	80°04.4'	99°33.2'	103°50.4'	116°52.1'	103°12.5'
7	32°14.4'	58°09.0'	80°34.2'	99°03.1'	104°20.1'	116°23.0'	102°45.9'
8	32°43.8'	58°39.2'	81°03.9'	98°33.0'	104°49.8'	115°53.8'	102°19.3'
9	33°13.3'	59°09.3'	81°33.7'	98°02.9'	105°19.5'	115°24.6'	101°52.6'
10	33°42.8'	59°39.5'	82°03.5'	97°32.7'	105°49.3'	114°55.4'	101°26.0'
11	34°12.4'	60°09.7'	82°33.3'	97°02.6'	106°19.0'	114°26.1'	100°59.3'
12	34°42.0'	60°39.9'	83°03.1'	96°32.4'	106°48.8'	113°56.9'	100°32.5'
13	35°11.6'	61°10.1'	83°32.9'	96°02.2'	107°18.6'	113°27.6'	100°05.8'
14	35°41.2'	61°40.3'	84°02.7'	95°32.0'	107°48.4'	112°58.3'	99°39.0'
15	36°10.8'	62°10.5'	84°32.6'	95°01.8'	108°18.2'	112°29.0'	99°12.2'
16	36°40.5'	62°40.7'	85°02.4'	94°31.6'	108°48.0'	111°59.6'	98°45.4'
17	37°10.2'	63°11.0'	85°32.3'	94°01.4'	109°17.8'	111°30.3'	98°18.6'
18	37°40.0'	63°41.2'	86°02.2'	93°31.1'	109°47.7'	111°00.9'	97°51.7'
19	38°09.7'	64°11.5'	86°32.1'	93°00.9'	110°17.5'	110°31.5'	97°24.9'
20	38°39.5'	64°41.8'	87°02.0'	92°30.6'	110°47.4'	110°02.1'	96°58.0'
21	39°09.3'	65°12.1'	87°31.9'	92°00.3'	111°17.3'	109°32.7'	96°31.1'
22	39°39.1'	65°42.4'	88°01.8'	91°30.0'	111°47.2'	109°03.2'	96°04.2'
23	40°09.0'	66°12.8'	88°31.8'	90°59.7'	112°17.1'	108°33.7'	95°37.2'

Mon Aug 27, 2018 UTC

UTC	+Mars Lunar Dist.	+Saturn Lunar Dist.	-Aldebaran Lunar Dist.	+Antares Lunar Dist.	-Betelgeuse Lunar Dist.	+Jupiter Lunar Dist.	+Altair Lunar Dist.
0	40°38.8'	66°43.1'	90°29.4'	89°01.8'	108°04.3'	112°47.0'	48°01.9'
1	41°08.7'	67°13.5'	89°59.1'	89°31.7'	107°34.8'	113°16.9'	48°25.1'
2	41°38.6'	67°43.9'	89°28.7'	90°01.7'	107°05.2'	113°46.8'	48°48.3'
3	42°08.6'	68°14.2'	88°58.4'	90°31.7'	106°35.7'	114°16.8'	49°11.7'
4	42°38.5'	68°44.6'	88°28.0'	91°01.8'	106°06.1'	114°46.8'	49°35.1'
5	43°08.5'	69°15.1'	87°57.6'	91°31.8'	105°36.6'	115°16.7'	49°58.7'
6	43°38.5'	69°45.5'	87°27.2'	92°01.8'	105°07.0'	115°46.7'	50°22.4'
7	44°08.5'	70°15.9'	86°56.8'	92°31.9'	104°37.4'	116°16.7'	50°46.2'
8	44°38.6'	70°46.4'	86°26.3'	93°02.0'	104°07.7'	116°46.8'	51°10.0'
9	45°08.6'	71°16.9'	85°55.9'	93°32.1'	103°38.1'	117°16.8'	51°34.0'
10	45°38.7'	71°47.4'	85°25.4'	94°02.2'	103°08.4'	117°46.8'	51°58.0'
11	46°08.8'	72°17.9'	84°54.9'	94°32.3'	102°38.7'	118°16.9'	52°22.2'
12	46°38.9'	72°48.4'	84°24.4'	95°02.4'	102°09.0'	118°47.0'	52°46.4'
13	47°09.1'	73°18.9'	83°53.9'	95°32.6'	101°39.3'	119°17.1'	53°10.7'
14	47°39.2'	73°49.5'	83°23.4'	96°02.7'	101°09.6'	119°47.2'	53°35.1'
15	48°09.4'	74°20.0'	82°52.9'	96°32.9'	100°39.8'	120°17.3'	53°59.6'
16	48°39.6'	74°50.6'	82°22.3'	97°03.1'	100°10.1'	120°47.4'	54°24.2'
17	49°09.9'	75°21.2'	81°51.7'	97°33.3'	99°40.3'	121°17.5'	54°48.8'
18	49°40.1'	75°51.8'	81°21.1'	98°03.5'	99°10.5'	121°47.7'	55°13.6'
19	50°10.4'	76°22.4'	80°50.5'	98°33.8'	98°40.7'	122°17.9'	55°38.4'
20	50°40.6'	76°53.1'	80°19.9'	99°04.0'	98°10.8'	122°48.1'	56°03.3'
21	51°10.9'	77°23.7'	79°49.3'	99°34.3'	97°41.0'	123°18.2'	56°28.2'
22	51°41.3'	77°54.4'	79°18.6'	100°04.6'	97°11.1'	123°48.5'	56°53.2'
23	52°11.6'	78°25.1'	78°48.0'	100°34.8'	96°41.2'	124°18.7'	57°18.4'

Tue Aug 28, 2018 UTC

UTC	+Mars Lunar Dist.	-Aldebaran Lunar Dist.	+Saturn Lunar Dist.	-Betelgeuse Lunar Dist.	+Antares Lunar Dist.	+Altair Lunar Dist.	-Rigel Lunar Dist.
0	52°42.0'	78°17.3'	78°55.8'	96°11.3'	101°05.1'	57°43.5'	84°18.9'
1	53°12.3'	77°46.6'	79°26.5'	95°41.4'	101°35.5'	58°08.8'	83°51.6'
2	53°42.7'	77°15.9'	79°57.2'	95°11.5'	102°05.8'	58°34.1'	83°24.3'
3	54°13.2'	76°45.2'	80°28.0'	94°41.5'	102°36.2'	58°59.5'	82°57.0'
4	54°43.6'	76°14.4'	80°58.7'	94°11.5'	103°06.5'	59°24.9'	82°29.7'
5	55°14.0'	75°43.7'	81°29.5'	93°41.5'	103°36.9'	59°50.4'	82°02.4'
6	55°44.5'	75°12.9'	82°00.3'	93°11.5'	104°07.3'	60°16.0'	81°35.1'
7	56°15.0'	74°42.1'	82°31.1'	92°41.5'	104°37.7'	60°41.6'	81°07.8'
8	56°45.5'	74°11.3'	83°02.0'	92°11.5'	105°08.1'	61°07.3'	80°40.4'
9	57°16.0'	73°40.5'	83°32.8'	91°41.4'	105°38.6'	61°33.1'	80°13.1'
10	57°46.6'	73°09.6'	84°03.7'	91°11.3'	106°09.0'	61°58.9'	79°45.8'
11	58°17.2'	72°38.8'	84°34.6'	90°41.2'	106°39.5'	62°24.8'	79°18.4'
12	58°47.7'	72°07.9'	85°05.5'	90°11.1'	107°09.9'	62°50.7'	78°51.1'
13	59°18.4'	71°37.0'	85°36.4'	89°41.0'	107°40.4'	63°16.7'	78°23.7'
14	59°49.0'	71°06.1'	86°07.3'	89°10.9'	108°11.0'	63°42.7'	77°56.4'
15	60°19.6'	70°35.1'	86°38.3'	88°40.7'	108°41.5'	64°08.8'	77°29.0'
16	60°50.3'	70°04.2'	87°09.2'	88°10.5'	109°12.0'	64°35.0'	77°01.7'
17	61°21.0'	69°33.2'	87°40.2'	87°40.3'	109°42.6'	65°01.2'	76°34.3'
18	61°51.7'	69°02.3'	88°11.2'	87°10.1'	110°13.1'	65°27.4'	76°07.0'
19	62°22.4'	68°31.3'	88°42.2'	86°39.9'	110°43.7'	65°53.7'	75°39.6'
20	62°53.1'	68°00.2'	89°13.3'	86°09.7'	111°14.3'	66°20.1'	75°12.2'
21	63°23.9'	67°29.2'	89°44.3'	85°39.4'	111°44.9'	66°46.5'	74°44.9'
22	63°54.6'	66°58.2'	90°15.4'	85°09.1'	112°15.6'	67°12.9'	74°17.5'
23	64°25.4'	66°27.1'	90°46.5'	84°38.9'	112°46.2'	67°39.4'	73°50.2'

Wed Aug 29, 2018 UTC

UTC	−Aldebaran Lunar Dist.	+Mars Lunar Dist.	+Formalhaut Lunar Dist.	+Saturn Lunar Dist.	−Betelgeuse Lunar Dist.	−Rigel Lunar Dist.	−Pollux Lunar Dist.
0	65°56.0'	64°56.3'	33°19.9'	91°17.6'	84°08.5'	73°22.8'	109°58.4'
1	65°24.9'	65°27.1'	33°45.3'	91°48.7'	83°38.2'	72°55.5'	109°27.6'
2	64°53.8'	65°57.9'	34°10.9'	92°19.9'	83°07.9'	72°28.1'	108°56.8'
3	64°22.6'	66°28.8'	34°36.6'	92°51.0'	82°37.5'	72°00.8'	108°26.0'
4	63°51.5'	66°59.7'	35°02.5'	93°22.2'	82°07.2'	71°33.4'	107°55.1'
5	63°20.3'	67°30.6'	35°28.5'	93°53.4'	81°36.8'	71°06.1'	107°24.3'
6	62°49.1'	68°01.5'	35°54.6'	94°24.6'	81°06.4'	70°38.8'	106°53.4'
7	62°17.9'	68°32.5'	36°20.9'	94°55.9'	80°35.9'	70°11.5'	106°22.4'
8	61°46.6'	69°03.5'	36°47.3'	95°27.1'	80°05.5'	69°44.2'	105°51.5'
9	61°15.4'	69°34.4'	37°13.8'	95°58.4'	79°35.1'	69°16.9'	105°20.6'
10	60°44.1'	70°05.5'	37°40.5'	96°29.7'	79°04.6'	68°49.6'	104°49.6'
11	60°12.8'	70°36.5'	38°07.2'	97°01.0'	78°34.1'	68°22.3'	104°18.6'
12	59°41.5'	71°07.5'	38°34.1'	97°32.3'	78°03.6'	67°55.0'	103°47.6'
13	59°10.2'	71°38.6'	39°01.1'	98°03.7'	77°33.1'	67°27.8'	103°16.5'
14	58°38.8'	72°09.7'	39°28.2'	98°35.1'	77°02.6'	67°00.5'	102°45.5'
15	58°07.4'	72°40.8'	39°55.4'	99°06.5'	76°32.0'	66°33.3'	102°14.4'
16	57°36.0'	73°11.9'	40°22.7'	99°37.9'	76°01.4'	66°06.0'	101°43.3'
17	57°04.6'	73°43.1'	40°50.1'	100°09.3'	75°30.9'	65°38.8'	101°12.2'
18	56°33.2'	74°14.2'	41°17.6'	100°40.7'	75°00.3'	65°11.6'	100°41.0'
19	56°01.7'	74°45.4'	41°45.2'	101°12.2'	74°29.7'	64°44.5'	100°09.8'
20	55°30.3'	75°16.6'	42°12.8'	101°43.7'	73°59.0'	64°17.3'	99°38.7'
21	54°58.8'	75°47.8'	42°40.6'	102°15.2'	73°28.4'	63°50.2'	99°07.5'
22	54°27.3'	76°19.1'	43°08.5'	102°46.8'	72°57.7'	63°23.0'	98°36.2'
23	53°55.7'	76°50.4'	43°36.4'	103°18.3'	72°27.1'	62°55.9'	98°05.0'

Thu Aug 30, 2018 UTC

UTC	−Aldebaran Lunar Dist.	+Formalhaut Lunar Dist.	+Mars Lunar Dist.	−Betelgeuse Lunar Dist.	−Pollux Lunar Dist.	+Saturn Lunar Dist.	−Capella Lunar Dist.
0	53°24.2'	44°04.4'	77°21.6'	71°56.4'	97°33.7'	103°49.9'	69°51.4'
1	52°52.6'	44°32.5'	77°53.0'	71°25.7'	97°02.4'	104°21.5'	69°23.6'
2	52°21.0'	45°00.7'	78°24.3'	70°55.0'	96°31.1'	104°53.1'	68°55.8'
3	51°49.4'	45°29.0'	78°55.6'	70°24.2'	95°59.8'	105°24.7'	68°28.0'
4	51°17.7'	45°57.3'	79°27.0'	69°53.5'	95°28.4'	105°56.4'	68°00.2'
5	50°46.1'	46°25.8'	79°58.4'	69°22.7'	94°57.0'	106°28.1'	67°32.4'
6	50°14.4'	46°54.3'	80°29.8'	68°51.9'	94°25.6'	106°59.8'	67°04.6'
7	49°42.7'	47°22.8'	81°01.2'	68°21.1'	93°54.2'	107°31.5'	66°36.9'
8	49°11.0'	47°51.5'	81°32.7'	67°50.3'	93°22.7'	108°03.2'	66°09.1'
9	48°39.2'	48°20.2'	82°04.2'	67°19.5'	92°51.3'	108°35.0'	65°41.4'
10	48°07.5'	48°48.9'	82°35.7'	66°48.7'	92°19.8'	109°06.8'	65°13.6'
11	47°35.7'	49°17.8'	83°07.2'	66°17.8'	91°48.3'	109°38.6'	64°45.9'
12	47°03.9'	49°46.7'	83°38.7'	65°47.0'	91°16.7'	110°10.4'	64°18.2'
13	46°32.0'	50°15.6'	84°10.3'	65°16.1'	90°45.2'	110°42.2'	63°50.5'
14	46°00.2'	50°44.7'	84°41.9'	64°45.2'	90°13.6'	111°14.1'	63°22.8'
15	45°28.3'	51°13.7'	85°13.5'	64°14.3'	89°42.0'	111°46.0'	62°55.2'
16	44°56.4'	51°42.9'	85°45.1'	63°43.4'	89°10.4'	112°17.9'	62°27.5'
17	44°24.4'	52°12.1'	86°16.8'	63°12.4'	88°38.7'	112°49.9'	61°59.9'
18	43°52.5'	52°41.4'	86°48.5'	62°41.5'	88°07.0'	113°21.8'	61°32.3'
19	43°20.5'	53°10.7'	87°20.1'	62°10.5'	87°35.4'	113°53.8'	61°04.7'
20	42°48.5'	53°40.1'	87°51.9'	61°39.6'	87°03.6'	114°25.8'	60°37.2'
21	42°16.5'	54°09.5'	88°23.6'	61°08.6'	86°31.9'	114°57.9'	60°09.7'
22	41°44.5'	54°39.0'	88°55.4'	60°37.6'	86°00.1'	115°29.9'	59°42.1'
23	41°12.4'	55°08.6'	89°27.2'	60°06.6'	85°28.3'	116°02.0'	59°14.7'

Fri Aug 31, 2018 UTC

UTC	-Aldebaran Lunar Dist.	-Betelgeuse Lunar Dist.	+Formalhaut Lunar Dist.	-Pollux Lunar Dist.	+Mars Lunar Dist.	-Procyon Lunar Dist.	-Capella Lunar Dist.
0	40°40.3'	59°35.6'	55°38.2'	84°56.5'	89°59.0'	85°33.0'	58°47.2'
1	40°08.2'	59°04.5'	56°07.8'	84°24.7'	90°30.8'	85°02.0'	58°19.8'
2	39°36.1'	58°33.5'	56°37.5'	83°52.8'	91°02.7'	84°31.0'	57°52.4'
3	39°03.9'	58°02.4'	57°07.3'	83°21.0'	91°34.5'	83°59.9'	57°25.0'
4	38°31.7'	57°31.4'	57°37.1'	82°49.1'	92°06.4'	83°28.8'	56°57.7'
5	37°59.5'	57°00.3'	58°07.0'	82°17.1'	92°38.4'	82°57.7'	56°30.4'
6	37°27.3'	56°29.2'	58°36.9'	81°45.2'	93°10.3'	82°26.6'	56°03.1'
7	36°55.0'	55°58.1'	59°06.9'	81°13.2'	93°42.3'	81°55.5'	55°35.9'
8	36°22.7'	55°27.0'	59°36.9'	80°41.2'	94°14.3'	81°24.3'	55°08.7'
9	35°50.4'	54°55.9'	60°06.9'	80°09.2'	94°46.3'	80°53.1'	54°41.5'
10	35°18.1'	54°24.8'	60°37.0'	79°37.1'	95°18.3'	80°21.9'	54°14.4'
11	34°45.7'	53°53.7'	61°07.2'	79°05.0'	95°50.4'	79°50.7'	53°47.4'
12	34°13.3'	53°22.5'	61°37.4'	78°32.9'	96°22.5'	79°19.5'	53°20.4'
13	33°40.9'	52°51.4'	62°07.6'	78°00.8'	96°54.6'	78°48.2'	52°53.4'
14	33°08.5'	52°20.2'	62°37.9'	77°28.7'	97°26.8'	78°16.9'	52°26.5'
15	32°36.0'	51°49.1'	63°08.2'	76°56.5'	97°58.9'	77°45.6'	51°59.6'
16	32°03.6'	51°17.9'	63°38.6'	76°24.3'	98°31.1'	77°14.3'	51°32.8'
17	31°31.0'	50°46.8'	64°09.0'	75°52.1'	99°03.3'	76°42.9'	51°06.0'
18	30°58.5'	50°15.6'	64°39.5'	75°19.8'	99°35.6'	76°11.6'	50°39.3'
19	30°25.9'	49°44.4'	65°10.0'	74°47.6'	100°07.8'	75°40.2'	50°12.7'
20	29°53.4'	49°13.2'	65°40.6'	74°15.3'	100°40.1'	75°08.7'	49°46.1'
21	29°20.7'	48°42.0'	66°11.1'	73°42.9'	101°12.4'	74°37.3'	49°19.6'
22	28°48.1'	48°10.9'	66°41.8'	73°10.6'	101°44.8'	74°05.9'	48°53.2'
23	28°15.4'	47°39.7'	67°12.5'	72°38.2'	102°17.1'	73°34.4'	48°26.9'