

Tue Aug 1, 2017 UTC

UTC	+Sun		-Saturn		+Spica		+Jupiter		-Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	105°00.6'	3411	27°52.1'	3070	30°47.6'	3158	37°11.0'	3112	18°45.0'	3752
1	105°27.9'	3412	27°22.5'	3073	31°16.6'	3156	37°40.3'	3114	18°19.7'	3792
2	105°55.3'	3414	26°52.9'	3076	31°45.6'	3155	38°09.6'	3115	17°54.6'	3835
3	106°22.6'	3416	26°23.4'	3078	32°14.6'	3153	38°38.9'	3116	17°29.8'	3881
4	106°50.0'	3417	25°53.8'	3081	32°43.6'	3152	39°08.1'	3117	17°05.3'	3930
5	107°17.3'	3419	25°24.3'	3084	33°12.7'	3151	39°37.4'	3118	16°41.0'	3984
6	107°44.6'	3420	24°54.8'	3087	33°41.7'	3150	40°06.7'	3120	16°17.0'	4043
7	108°11.9'	3422	24°25.4'	3091	34°10.8'	3149	40°35.9'	3121	15°53.4'	4106
8	108°39.2'	3423	23°55.9'	3094	34°39.8'	3148	41°05.2'	3122	15°30.1'	4176
9	109°06.4'	3424	23°26.5'	3097	35°08.9'	3147	41°34.4'	3123	15°07.1'	4251
10	109°33.7'	3426	22°57.1'	3100	35°38.0'	3146	42°03.6'	3124	14°44.6'	4334
11	110°01.0'	3427	22°27.7'	3104	36°07.0'	3145	42°32.9'	3125	14°22.5'	4426
12	110°28.2'	3428	21°58.3'	3107	36°36.1'	3144	43°02.1'	3125	14°00.8'	4526
13	110°55.5'	3429	21°29.0'	3111	37°05.2'	3143	43°31.3'	3126	13°39.6'	4637
14	111°22.7'	3430	20°59.7'	3114	37°34.3'	3143	44°00.5'	3127	13°19.0'	4760
15	111°50.0'	3431	20°30.4'	3118	38°03.4'	3142	44°29.7'	3128	12°59.0'	4896
16	112°17.2'	3432	20°01.1'	3122	38°32.5'	3141	44°58.9'	3128	12°39.5'	5048
17	112°44.4'	3433	19°31.9'	3127	39°01.6'	3140	45°28.1'	3129	12°20.8'	5217
18	113°11.6'	3434	19°02.7'	3131	39°30.7'	3139	45°57.3'	3130	12°02.7'	5407
19	113°38.8'	3435	18°33.5'	3136	39°59.9'	3139	46°26.5'	3130	–	–
20	114°06.1'	3435	18°04.4'	3141	40°29.0'	3138	46°55.7'	3131	–	–
21	114°33.3'	3436	17°35.2'	3146	40°58.1'	3137	47°24.9'	3131	–	–
22	115°00.5'	3437	17°06.2'	3152	41°27.3'	3137	47°54.0'	3132	–	–
23	115°27.7'	3437	16°37.1'	3158	41°56.4'	3136	48°23.2'	3132	–	–

Wed Aug 2, 2017 UTC

UTC	+Sun		-Saturn		+Spica		+Jupiter		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	115°54.8'	3438	16°08.1'	3165	42°25.5'	3135	48°52.4'	3133	95°48.1'	3072
1	116°22.0'	3438	15°39.2'	3172	42°54.7'	3134	49°21.5'	3133	96°17.7'	3072
2	116°49.2'	3438	15°10.3'	3180	43°23.9'	3134	49°50.7'	3133	96°47.3'	3073
3	117°16.4'	3439	14°41.4'	3189	43°53.0'	3133	50°19.9'	3133	97°16.9'	3073
4	117°43.6'	3439	14°12.6'	3198	44°22.2'	3132	50°49.0'	3134	97°46.4'	3073
5	118°10.8'	3439	13°43.9'	3208	44°51.3'	3131	51°18.2'	3134	98°16.0'	3073
6	118°37.9'	3440	13°15.2'	3220	45°20.5'	3131	51°47.4'	3134	98°45.6'	3074
7	119°05.1'	3440	12°46.7'	3233	45°49.7'	3130	52°16.5'	3134	99°15.1'	3074
8	119°32.3'	3440	12°18.2'	3247	46°18.9'	3129	52°45.7'	3134	99°44.7'	3074
9	119°59.5'	3440	11°49.7'	3263	46°48.1'	3128	53°14.8'	3134	100°14.3'	3074
10	120°26.6'	3440	11°21.4'	3281	47°17.3'	3127	53°44.0'	3134	100°43.8'	3074
11	120°53.8'	3440	10°53.3'	3302	47°46.5'	3126	54°13.2'	3134	101°13.4'	3074
12	121°21.0'	3440	10°25.2'	3325	48°15.7'	3126	54°42.3'	3133	101°43.0'	3074
13	121°48.2'	3440	9°57.3'	3353	48°44.9'	3125	55°11.5'	3133	102°12.5'	3074
14	122°15.3'	3439	9°29.6'	3384	49°14.1'	3124	55°40.6'	3133	102°42.1'	3073
15	122°42.5'	3439	9°02.1'	3421	49°43.4'	3123	56°09.8'	3133	103°11.7'	3073
16	123°09.7'	3439	8°34.8'	3465	50°12.6'	3122	56°39.0'	3132	103°41.2'	3073
17	123°36.9'	3439	8°07.7'	3517	50°41.8'	3121	57°08.1'	3132	104°10.8'	3073
18	124°04.1'	3438	7°41.0'	3579	51°11.1'	3120	57°37.3'	3132	104°40.4'	3072
19	124°31.2'	3438	7°14.7'	3654	51°40.3'	3119	58°06.5'	3131	105°09.9'	3072
20	124°58.4'	3437	6°48.9'	3747	52°09.6'	3118	58°35.7'	3131	105°39.5'	3072
21	125°25.6'	3437	6°23.5'	3862	52°38.8'	3117	59°04.8'	3130	106°09.1'	3071
22	125°52.8'	3436	–	–	53°08.1'	3116	59°34.0'	3130	106°38.7'	3071
23	126°20.0'	3436	–	–	53°37.4'	3114	60°03.2'	3129	107°08.3'	3070

Thu Aug 3, 2017 UTC

UTC	+Spica		+Jupiter		-Formalhaut		+Arcturus		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	54°06.7'	3113	60°32.4'	3128	79°04.0'	3355	56°19.2'	3779	107°37.9'	3069
1	54°36.0'	3112	61°01.6'	3128	78°36.3'	3355	56°44.4'	3770	108°07.4'	3069
2	55°05.3'	3111	61°30.8'	3127	78°08.6'	3356	57°09.5'	3762	108°37.0'	3068
3	55°34.6'	3110	61°60.0'	3126	77°40.9'	3356	57°34.8'	3754	109°06.7'	3067
4	56°03.9'	3108	62°29.2'	3125	77°13.2'	3357	58°00.0'	3745	109°36.3'	3067
5	56°33.3'	3107	62°58.4'	3124	76°45.5'	3357	58°25.4'	3737	110°05.9'	3066
6	57°02.6'	3106	63°27.6'	3124	76°17.8'	3357	58°50.8'	3730	110°35.5'	3065
7	57°31.9'	3104	63°56.9'	3123	75°50.1'	3358	59°16.2'	3722	111°05.1'	3064
8	58°01.3'	3103	64°26.1'	3122	75°22.4'	3358	59°41.6'	3714	111°34.8'	3063
9	58°30.7'	3102	64°55.3'	3121	74°54.7'	3358	60°07.1'	3707	112°04.4'	3062
10	59°00.0'	3100	65°24.6'	3120	74°27.0'	3359	60°32.7'	3700	112°34.0'	3061
11	59°29.4'	3099	65°53.8'	3119	73°59.3'	3359	60°58.3'	3693	113°03.7'	3060
12	59°58.8'	3097	66°23.1'	3117	73°31.6'	3360	61°23.9'	3685	113°33.3'	3059
13	60°28.2'	3096	66°52.4'	3116	73°04.0'	3360	61°49.6'	3679	114°03.0'	3058
14	60°57.6'	3094	67°21.7'	3115	72°36.3'	3361	62°15.3'	3672	114°32.7'	3057
15	61°27.1'	3093	67°50.9'	3114	72°08.6'	3361	62°41.1'	3665	115°02.4'	3056
16	61°56.5'	3091	68°20.2'	3113	71°40.9'	3362	63°06.9'	3659	115°32.0'	3054
17	62°25.9'	3090	68°49.5'	3111	71°13.3'	3362	63°32.7'	3652	116°01.7'	3053
18	62°55.4'	3088	69°18.8'	3110	70°45.6'	3363	63°58.6'	3646	116°31.5'	3052
19	63°24.9'	3086	69°48.2'	3109	70°17.9'	3363	64°24.5'	3639	117°01.2'	3050
20	63°54.3'	3085	70°17.5'	3107	69°50.3'	3364	64°50.5'	3633	117°30.9'	3049
21	64°23.8'	3083	70°46.8'	3106	69°22.6'	3365	65°16.5'	3627	118°00.6'	3048
22	64°53.3'	3081	71°16.2'	3104	68°55.0'	3365	65°42.5'	3621	118°30.4'	3046
23	65°22.9'	3080	71°45.5'	3103	68°27.3'	3366	66°08.6'	3615	119°00.1'	3045

Fri Aug 4, 2017 UTC

UTC	+Saturn		+Antares		+Spica		+Jupiter		-Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	8°41.5'	3382	21°34.5'	3537	65°52.4'	3078	72°14.9'	3101	67°59.7'	3367
1	9°09.0'	3345	22°01.1'	3515	66°21.9'	3076	72°44.3'	3100	67°32.1'	3368
2	9°36.8'	3312	22°27.8'	3494	66°51.5'	3074	73°13.7'	3098	67°04.4'	3369
3	10°04.8'	3284	22°54.7'	3474	67°21.0'	3072	73°43.1'	3097	66°36.8'	3369
4	10°32.9'	3260	23°21.6'	3455	67°50.6'	3071	74°12.5'	3095	66°09.2'	3370
5	11°01.3'	3238	23°48.7'	3437	68°20.2'	3069	74°41.9'	3093	65°41.6'	3371
6	11°29.7'	3219	24°15.9'	3420	68°49.8'	3067	75°11.3'	3092	65°14.0'	3372
7	11°58.3'	3201	24°43.2'	3404	69°19.4'	3065	75°40.8'	3090	64°46.4'	3373
8	12°27.0'	3186	25°10.6'	3389	69°49.0'	3063	76°10.2'	3088	64°18.8'	3374
9	12°55.8'	3172	25°38.1'	3374	70°18.7'	3061	76°39.7'	3086	63°51.2'	3376
10	13°24.7'	3159	26°05.7'	3361	70°48.3'	3059	77°09.2'	3084	63°23.6'	3377
11	13°53.7'	3148	26°33.3'	3347	71°18.0'	3057	77°38.7'	3083	62°56.0'	3378
12	14°22.8'	3137	27°01.1'	3335	71°47.7'	3055	78°08.2'	3081	62°28.5'	3379
13	14°51.9'	3127	27°28.9'	3322	72°17.4'	3053	78°37.7'	3079	62°00.9'	3381
14	15°21.1'	3118	27°56.9'	3311	72°47.1'	3051	79°07.2'	3077	61°33.4'	3382
15	15°50.4'	3109	28°24.9'	3300	73°16.8'	3048	79°36.8'	3075	61°05.8'	3384
16	16°19.7'	3101	28°52.9'	3289	73°46.5'	3046	80°06.3'	3073	60°38.3'	3386
17	16°49.1'	3094	29°21.1'	3278	74°16.3'	3044	80°35.9'	3071	60°10.8'	3387
18	17°18.5'	3087	29°49.3'	3268	74°46.0'	3042	81°05.5'	3069	59°43.3'	3389
19	17°48.0'	3080	30°17.5'	3259	75°15.8'	3040	81°35.1'	3067	59°15.8'	3391
20	18°17.5'	3074	30°45.9'	3249	75°45.6'	3038	82°04.7'	3065	58°48.3'	3393
21	18°47.1'	3068	31°14.3'	3240	76°15.4'	3035	82°34.3'	3063	58°20.8'	3395
22	19°16.7'	3062	31°42.7'	3232	76°45.3'	3033	83°03.9'	3060	57°53.4'	3397
23	19°46.4'	3056	32°11.2'	3223	77°15.1'	3031	83°33.6'	3058	57°25.9'	3399

Sat Aug 5, 2017 UTC

UTC	+Saturn		+Antares		+Spica		-Formalhaut		+Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	20°16.0'	3051	32°39.8'	3215	77°45.0'	3028	56°58.5'	3402	84°03.3'	3056
1	20°45.8'	3046	33°08.4'	3207	78°14.8'	3026	56°31.1'	3404	84°33.0'	3054
2	21°15.5'	3041	33°37.1'	3199	78°44.7'	3024	56°03.7'	3407	85°02.7'	3052
3	21°45.3'	3036	34°05.8'	3192	79°14.6'	3021	55°36.3'	3410	85°32.4'	3049
4	22°15.1'	3032	34°34.6'	3185	79°44.6'	3019	55°08.9'	3412	86°02.1'	3047
5	22°45.0'	3027	35°03.4'	3177	80°14.5'	3017	54°41.6'	3415	86°31.9'	3045
6	23°14.9'	3023	35°32.3'	3170	80°44.5'	3014	54°14.3'	3419	87°01.6'	3042
7	23°44.8'	3019	36°01.2'	3164	81°14.4'	3012	53°47.0'	3422	87°31.4'	3040
8	24°14.7'	3014	36°30.1'	3157	81°44.4'	3009	53°19.7'	3425	88°01.2'	3038
9	24°44.7'	3010	36°59.1'	3151	82°14.4'	3007	52°52.4'	3429	88°31.0'	3035
10	25°14.7'	3006	37°28.2'	3144	82°44.5'	3004	52°25.2'	3433	89°00.8'	3033
11	25°44.7'	3002	37°57.3'	3138	83°14.5'	3002	51°57.9'	3436	89°30.7'	3030
12	26°14.8'	2999	38°26.4'	3132	83°44.5'	2999	51°30.8'	3441	90°00.5'	3028
13	26°44.8'	2995	38°55.6'	3126	84°14.6'	2997	51°03.6'	3445	90°30.4'	3026
14	27°15.0'	2991	39°24.8'	3120	84°44.7'	2994	50°36.4'	3449	91°00.3'	3023
15	27°45.1'	2987	39°54.0'	3114	85°14.8'	2992	50°09.3'	3454	91°30.2'	3021
16	28°15.2'	2984	40°23.3'	3109	85°45.0'	2989	49°42.2'	3459	92°00.1'	3018
17	28°45.4'	2980	40°52.7'	3103	86°15.1'	2987	49°15.2'	3464	92°30.1'	3015
18	29°15.6'	2976	41°22.0'	3098	86°45.3'	2984	48°48.2'	3469	93°00.1'	3013
19	29°45.9'	2973	41°51.4'	3092	87°15.4'	2981	48°21.2'	3475	93°30.0'	3010
20	30°16.1'	2969	42°20.9'	3087	87°45.6'	2979	47°54.2'	3481	94°00.0'	3008
21	30°46.4'	2966	42°50.3'	3082	88°15.9'	2976	47°27.3'	3487	94°30.1'	3005
22	31°16.7'	2963	43°19.8'	3077	88°46.1'	2974	47°00.4'	3493	95°00.1'	3003
23	31°47.1'	2959	43°49.4'	3072	89°16.4'	2971	46°33.6'	3500	95°30.1'	3000

Sun Aug 6, 2017 UTC

UTC	+Saturn		+Antares		-Formalhaut		+Spica		+Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	32°17.4'	2956	44°19.0'	3067	46°06.8'	3507	89°46.6'	2968	96°00.2'	2997
1	32°47.8'	2952	44°48.6'	3062	45°40.0'	3514	90°16.9'	2966	96°30.3'	2995
2	33°18.2'	2949	45°18.2'	3057	45°13.3'	3522	90°47.2'	2963	97°00.4'	2992
3	33°48.6'	2946	45°47.9'	3052	44°46.6'	3530	91°17.6'	2960	97°30.5'	2989
4	34°19.1'	2942	46°17.6'	3047	44°20.0'	3538	91°47.9'	2958	98°00.7'	2987
5	34°49.5'	2939	46°47.4'	3043	43°53.4'	3547	92°18.3'	2955	98°30.9'	2984
6	35°20.0'	2936	47°17.1'	3038	43°26.9'	3556	92°48.7'	2952	99°01.0'	2981
7	35°50.6'	2932	47°47.0'	3033	43°00.5'	3565	93°19.1'	2949	99°31.2'	2978
8	36°21.1'	2929	48°16.8'	3029	42°34.1'	3575	93°49.5'	2947	100°01.5'	2976
9	36°51.7'	2926	48°46.7'	3024	42°07.7'	3585	94°19.9'	2944	100°31.7'	2973
10	37°22.3'	2923	49°16.6'	3020	41°41.4'	3596	94°50.4'	2941	101°02.0'	2970
11	37°52.9'	2919	49°46.5'	3015	41°15.2'	3608	95°20.9'	2938	101°32.2'	2967
12	38°23.5'	2916	50°16.5'	3011	40°49.1'	3619	95°51.4'	2936	102°02.5'	2964
13	38°54.2'	2913	50°46.5'	3007	40°23.0'	3632	96°21.9'	2933	102°32.9'	2962
14	39°24.9'	2910	51°16.5'	3002	39°57.0'	3645	96°52.4'	2930	103°03.2'	2959
15	39°55.6'	2906	51°46.5'	2998	39°31.1'	3658	97°23.0'	2927	103°33.6'	2956
16	40°26.3'	2903	52°16.6'	2994	39°05.2'	3673	97°53.6'	2925	104°03.9'	2953
17	40°57.0'	2900	52°46.7'	2990	38°39.5'	3687	98°24.2'	2922	104°34.3'	2950
18	41°27.8'	2897	53°16.9'	2986	38°13.8'	3703	98°54.8'	2919	105°04.7'	2948
19	41°58.6'	2893	53°47.1'	2981	37°48.2'	3719	99°25.4'	2916	105°35.2'	2945
20	42°29.4'	2890	54°17.3'	2977	37°22.8'	3736	99°56.1'	2913	106°05.6'	2942
21	43°00.3'	2887	54°47.5'	2973	36°57.4'	3754	100°26.8'	2911	106°36.1'	2939
22	43°31.1'	2884	55°17.7'	2969	36°32.1'	3773	100°57.5'	2908	107°06.6'	2936
23	44°02.0'	2881	55°48.0'	2965	36°06.9'	3792	101°28.2'	2905	107°37.1'	2933

Mon Aug 7, 2017 UTC

UTC	+Saturn		+Antares		-Formalhaut		+Spica		+Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	44°32.9'	2878	56°18.3'	2961	35°41.9'	3813	101°58.9'	2902	108°07.7'	2930
1	45°03.9'	2874	56°48.7'	2957	35°16.9'	3834	102°29.7'	2899	108°38.2'	2927
2	45°34.8'	2871	57°19.0'	2953	34°52.1'	3857	103°00.5'	2897	109°08.8'	2924
3	46°05.8'	2868	57°49.4'	2949	34°27.4'	3881	103°31.2'	2894	109°39.4'	2922
4	46°36.8'	2865	58°19.9'	2945	34°02.9'	3906	104°02.1'	2891	110°10.0'	2919
5	47°07.8'	2862	58°50.3'	2941	33°38.5'	3932	104°32.9'	2888	110°40.7'	2916
6	47°38.8'	2858	59°20.8'	2938	33°14.2'	3959	105°03.8'	2885	111°11.3'	2913
7	48°09.9'	2855	59°51.3'	2934	32°50.1'	3988	105°34.6'	2882	111°42.0'	2910
8	48°41.0'	2852	60°21.8'	2930	32°26.1'	4018	106°05.5'	2880	112°12.7'	2907
9	49°12.1'	2849	60°52.4'	2926	32°02.4'	4050	106°36.4'	2877	112°43.4'	2904
10	49°43.3'	2846	61°23.0'	2922	31°38.7'	4084	107°07.4'	2874	113°14.2'	2901
11	50°14.4'	2843	61°53.6'	2919	31°15.3'	4119	107°38.3'	2871	113°44.9'	2898
12	50°45.6'	2839	62°24.2'	2915	30°52.1'	4156	108°09.3'	2868	114°15.7'	2895
13	51°16.8'	2836	62°54.9'	2911	30°29.0'	4195	108°40.3'	2866	114°46.5'	2892
14	51°48.0'	2833	63°25.6'	2907	30°06.2'	4236	109°11.3'	2863	115°17.4'	2889
15	52°19.3'	2830	63°56.3'	2904	29°43.6'	4279	109°42.4'	2860	115°48.2'	2886
16	52°50.5'	2827	64°27.1'	2900	29°21.2'	4325	110°13.4'	2857	116°19.1'	2884
17	53°21.8'	2824	64°57.8'	2896	28°59.0'	4373	110°44.5'	2855	116°50.0'	2881
18	53°53.2'	2821	65°28.6'	2893	28°37.1'	4424	111°15.6'	2852	117°20.9'	2878
19	54°24.5'	2817	65°59.5'	2889	28°15.4'	4478	111°46.7'	2849	117°51.8'	2875
20	54°55.9'	2814	66°30.3'	2886	27°54.0'	4535	112°17.8'	2846	118°22.7'	2872
21	55°27.2'	2811	67°01.2'	2882	27°32.9'	4595	112°49.0'	2843	118°53.7'	2869
22	55°58.6'	2808	67°32.1'	2878	27°12.1'	4659	113°20.2'	2841	119°24.7'	2866
23	56°30.1'	2805	68°03.0'	2875	26°51.6'	4726	113°51.4'	2838	119°55.7'	2863

Tue Aug 8, 2017 UTC

UTC	+Saturn		+Antares		-Aldebaran		+Spica		-Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	57°01.5'	2802	68°34.0'	2871	111°31.5'	2800	114°22.6'	2835	26°31.3'	4797
1	57°33.0'	2799	69°04.9'	2868	111°00.0'	2797	114°53.8'	2833	26°11.5'	4873
2	58°04.5'	2796	69°35.9'	2864	110°28.5'	2794	115°25.1'	2830	25°51.9'	4953
3	58°36.0'	2792	70°07.0'	2861	109°57.0'	2791	115°56.3'	2827	25°32.7'	5039
4	59°07.6'	2789	70°38.0'	2857	109°25.4'	2788	116°27.6'	2824	25°13.9'	5129
5	59°39.1'	2786	71°09.1'	2854	108°53.8'	2785	116°58.9'	2822	24°55.5'	5225
6	60°10.7'	2783	71°40.2'	2850	108°22.2'	2782	117°30.3'	2819	24°37.5'	5328
7	60°42.3'	2780	72°11.3'	2847	107°50.6'	2779	118°01.6'	2816	24°19.9'	5437
8	61°14.0'	2777	72°42.5'	2844	107°19.0'	2776	118°33.0'	2814	24°02.8'	5554
9	61°45.6'	2774	73°13.6'	2840	106°47.3'	2773	119°04.4'	2811	23°46.1'	5678
10	62°17.3'	2771	73°44.8'	2837	106°15.6'	2770	119°35.8'	2809	23°29.8'	5812
11	62°49.0'	2768	74°16.0'	2834	105°43.9'	2767	120°07.2'	2806	23°14.1'	5954
12	63°20.7'	2765	74°47.3'	2830	105°12.2'	2764	120°38.7'	2803	22°58.9'	6107
13	63°52.5'	2761	75°18.6'	2827	104°40.5'	2761	121°10.1'	2801	22°44.2'	6271
14	64°24.2'	2758	75°49.9'	2823	104°08.7'	2758	121°41.6'	2798	22°30.0'	6448
15	64°56.0'	2755	76°21.2'	2820	103°36.9'	2755	122°13.1'	2796	22°16.4'	6638
16	65°27.8'	2752	76°52.5'	2817	103°05.1'	2752	122°44.6'	2793	22°03.4'	6844
17	65°59.7'	2749	77°23.9'	2814	102°33.2'	2749	123°16.2'	2791	21°51.0'	7067
18	66°31.5'	2746	77°55.3'	2810	102°01.4'	2746	123°47.7'	2788	21°39.2'	7310
19	67°03.4'	2743	78°26.7'	2807	101°29.5'	2743	124°19.3'	2786	21°28.0'	7574
20	67°35.3'	2740	78°58.1'	2804	100°57.6'	2740	124°50.9'	2783	21°17.6'	7864
21	68°07.3'	2737	79°29.6'	2801	100°25.7'	2737	125°22.5'	2781	21°07.7'	8182
22	68°39.2'	2734	80°01.1'	2797	99°53.7'	2734	125°54.1'	2778	20°58.6'	8534
23	69°11.2'	2731	80°32.6'	2794	99°21.7'	2731	126°25.8'	2776	20°50.2'	8927

Wed Aug 9, 2017 UTC

UTC	+Saturn		+Antares		-Aldebaran		-Betelgeuse		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	69°43.2'	2728	81°04.1'	2791	98°49.7'	2728	116°31.5'	2841	40°49.6'	4169
1	70°15.2'	2725	81°35.7'	2788	98°17.7'	2725	116°00.3'	2837	41°12.6'	4135
2	70°47.2'	2722	82°07.2'	2785	97°45.7'	2722	115°29.1'	2833	41°35.8'	4102
3	71°19.3'	2719	82°38.8'	2782	97°13.6'	2719	114°57.8'	2829	41°59.1'	4070
4	71°51.4'	2716	83°10.5'	2778	96°41.5'	2716	114°26.5'	2825	42°22.6'	4040
5	72°23.5'	2713	83°42.1'	2775	96°09.4'	2713	113°55.2'	2821	42°46.3'	4010
6	72°55.6'	2710	84°13.8'	2772	95°37.3'	2710	113°23.9'	2817	43°10.1'	3981
7	73°27.7'	2707	84°45.5'	2769	95°05.2'	2707	112°52.5'	2814	43°34.1'	3953
8	73°59.9'	2704	85°17.2'	2766	94°33.0'	2704	112°21.1'	2810	43°58.2'	3925
9	74°32.1'	2701	85°48.9'	2763	94°00.8'	2701	111°49.7'	2806	44°22.5'	3899
10	75°04.3'	2698	86°20.7'	2760	93°28.6'	2698	111°18.3'	2802	44°47.0'	3873
11	75°36.6'	2695	86°52.5'	2757	92°56.3'	2695	110°46.8'	2799	45°11.6'	3848
12	76°08.8'	2692	87°24.3'	2754	92°24.1'	2692	110°15.3'	2795	45°36.3'	3824
13	76°41.1'	2689	87°56.1'	2751	91°51.8'	2689	109°43.8'	2791	46°01.2'	3801
14	77°13.4'	2686	88°27.9'	2748	91°19.5'	2686	109°12.2'	2788	46°26.2'	3778
15	77°45.7'	2683	88°59.8'	2745	90°47.2'	2683	108°40.7'	2784	46°51.3'	3755
16	78°18.1'	2680	89°31.7'	2742	90°14.8'	2680	108°09.0'	2780	47°16.6'	3734
17	78°50.5'	2677	90°03.6'	2739	89°42.5'	2677	107°37.4'	2777	47°42.0'	3713
18	79°22.9'	2674	90°35.5'	2736	89°10.1'	2674	107°05.8'	2773	48°07.5'	3692
19	79°55.3'	2671	91°07.5'	2733	88°37.6'	2671	106°34.1'	2770	48°33.2'	3672
20	80°27.7'	2668	91°39.5'	2730	88°05.2'	2668	106°02.4'	2766	48°58.9'	3653
21	81°00.2'	2665	92°11.5'	2727	87°32.8'	2665	105°30.6'	2763	49°24.8'	3634
22	81°32.6'	2662	92°43.5'	2724	87°00.3'	2663	104°58.9'	2759	49°50.8'	3616
23	82°05.1'	2659	93°15.5'	2722	86°27.8'	2660	104°27.1'	2756	50°16.9'	3598

Thu Aug 10, 2017 UTC

UTC	+Saturn		-Aldebaran		+Antares		-Betelgeuse		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	82°37.7'	2656	85°55.3'	2657	93°47.6'	2719	103°55.3'	2753	50°43.1'	3580
1	83°10.2'	2654	85°22.7'	2654	94°19.7'	2716	103°23.5'	2749	51°09.4'	3563
2	83°42.8'	2651	84°50.1'	2651	94°51.8'	2713	102°51.6'	2746	51°35.8'	3547
3	84°15.4'	2648	84°17.6'	2648	95°23.9'	2710	102°19.7'	2743	52°02.3'	3531
4	84°48.0'	2645	83°44.9'	2645	95°56.0'	2708	101°47.8'	2739	52°28.9'	3515
5	85°20.6'	2642	83°12.3'	2642	96°28.2'	2705	101°15.9'	2736	52°55.6'	3499
6	85°53.3'	2639	82°39.7'	2639	97°00.4'	2702	100°43.9'	2733	53°22.5'	3484
7	86°26.0'	2636	82°07.0'	2636	97°32.6'	2699	100°11.9'	2730	53°49.4'	3470
8	86°58.7'	2633	81°34.3'	2633	98°04.8'	2697	99°39.9'	2726	54°16.3'	3455
9	87°31.4'	2630	81°01.6'	2631	98°37.1'	2694	99°07.9'	2723	54°43.4'	3441
10	88°04.1'	2628	80°28.8'	2628	99°09.3'	2691	98°35.9'	2720	55°10.6'	3428
11	88°36.9'	2625	79°56.1'	2625	99°41.6'	2688	98°03.8'	2717	55°37.8'	3415
12	89°09.7'	2622	79°23.3'	2622	100°13.9'	2686	97°31.7'	2714	56°05.2'	3402
13	89°42.5'	2619	78°50.5'	2619	100°46.3'	2683	96°59.6'	2711	56°32.6'	3389
14	90°15.3'	2616	78°17.6'	2616	101°18.6'	2681	96°27.4'	2708	57°00.1'	3376
15	90°48.1'	2613	77°44.8'	2613	101°51.0'	2678	95°55.3'	2705	57°27.7'	3364
16	91°21.0'	2611	77°11.9'	2610	102°23.4'	2675	95°23.1'	2702	57°55.3'	3352
17	91°53.9'	2608	76°39.0'	2608	102°55.8'	2673	94°50.9'	2699	58°23.0'	3341
18	92°26.8'	2605	76°06.1'	2605	103°28.2'	2670	94°18.6'	2696	58°50.8'	3329
19	92°59.8'	2602	75°33.2'	2602	104°00.6'	2668	93°46.4'	2693	59°18.7'	3318
20	93°32.7'	2599	75°00.2'	2599	104°33.1'	2665	93°14.1'	2690	59°46.7'	3308
21	94°05.7'	2596	74°27.2'	2596	105°05.6'	2663	92°41.8'	2687	60°14.7'	3297
22	94°38.7'	2594	73°54.2'	2593	105°38.1'	2660	92°09.5'	2684	60°42.8'	3286
23	95°11.7'	2591	73°21.2'	2590	106°10.6'	2658	91°37.1'	2681	61°10.9'	3276

Fri Aug 11, 2017 UTC

UTC	−Aldebaran		+Saturn		−Betelgeuse		+Altair		+Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	72°48.2′	2588	95°44.8′	2588	91°04.8′	2678	61°39.1′	3266	106°43.1′	2655
1	72°15.1′	2585	96°17.8′	2585	90°32.4′	2675	62°07.4′	3257	107°15.7′	2653
2	71°42.0′	2582	96°50.9′	2582	89°60.0′	2672	62°35.7′	3247	107°48.3′	2650
3	71°08.9′	2579	97°24.0′	2580	89°27.6′	2670	63°04.2′	3238	108°20.9′	2648
4	70°35.8′	2576	97°57.1′	2577	88°55.1′	2667	63°32.6′	3229	108°53.5′	2646
5	70°02.6′	2573	98°30.3′	2574	88°22.6′	2664	64°01.2′	3220	109°26.1′	2643
6	69°29.4′	2571	99°03.5′	2571	87°50.2′	2661	64°29.7′	3211	109°58.7′	2641
7	68°56.2′	2568	99°36.6′	2569	87°17.6′	2659	64°58.4′	3202	110°31.4′	2639
8	68°23.0′	2565	100°09.9′	2566	86°45.1′	2656	65°27.1′	3194	111°04.1′	2636
9	67°49.8′	2562	100°43.1′	2563	86°12.6′	2653	65°55.8′	3186	111°36.8′	2634
10	67°16.5′	2559	101°16.3′	2560	85°40.0′	2650	66°24.7′	3178	112°09.5′	2632
11	66°43.2′	2557	101°49.6′	2558	85°07.4′	2648	66°53.5′	3170	112°42.2′	2630
12	66°09.9′	2554	102°22.9′	2555	84°34.8′	2645	67°22.4′	3162	113°15.0′	2627
13	65°36.6′	2551	102°56.2′	2552	84°02.2′	2643	67°51.4′	3154	113°47.7′	2625
14	65°03.3′	2548	103°29.6′	2549	83°29.5′	2640	68°20.4′	3147	114°20.5′	2623
15	64°29.9′	2545	104°02.9′	2547	82°56.8′	2637	68°49.5′	3140	114°53.3′	2621
16	63°56.5′	2543	104°36.3′	2544	82°24.1′	2635	69°18.6′	3132	115°26.1′	2619
17	63°23.1′	2540	105°09.7′	2541	81°51.4′	2632	69°47.8′	3125	115°59.0′	2617
18	62°49.7′	2537	105°43.1′	2539	81°18.7′	2630	70°17.0′	3119	116°31.8′	2615
19	62°16.2′	2534	106°16.6′	2536	80°46.0′	2627	70°46.3′	3112	117°04.7′	2613
20	61°42.7′	2531	106°50.0′	2533	80°13.2′	2625	71°15.6′	3105	117°37.5′	2611
21	61°09.2′	2529	107°23.5′	2530	79°40.4′	2622	71°44.9′	3099	118°10.4′	2609
22	60°35.7′	2526	107°57.0′	2528	79°07.6′	2620	72°14.3′	3092	118°43.3′	2607
23	60°02.2′	2523	108°30.6′	2525	78°34.8′	2618	72°43.8′	3086	119°16.3′	2605

Sat Aug 12, 2017 UTC

UTC	−Aldebaran		−Betelgeuse		+Formalhaut		−Pollux		−Rigel	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	59°28.6′	2520	78°02.0′	2615	39°14.2′	3274	103°25.8′	2582	68°09.2′	3081
1	58°55.0′	2518	77°29.1′	2613	39°42.4′	3254	102°52.7′	2579	67°39.7′	3082
2	58°21.4′	2515	76°56.2′	2610	40°10.8′	3234	102°19.5′	2576	67°10.2′	3084
3	57°47.8′	2512	76°23.3′	2608	40°39.3′	3215	101°46.4′	2573	66°40.7′	3086
4	57°14.1′	2509	75°50.4′	2606	41°07.9′	3197	101°13.2′	2570	66°11.2′	3089
5	56°40.5′	2507	75°17.5′	2604	41°36.6′	3179	100°40.0′	2567	65°41.7′	3091
6	56°06.8′	2504	74°44.5′	2601	42°05.5′	3161	100°06.7′	2564	65°12.3′	3094
7	55°33.1′	2501	74°11.6′	2599	42°34.5′	3145	99°33.5′	2561	64°42.8′	3096
8	54°59.3′	2498	73°38.6′	2597	43°03.6′	3129	99°00.2′	2558	64°13.4′	3099
9	54°25.6′	2495	73°05.6′	2595	43°32.8′	3113	98°26.9′	2555	63°44.0′	3102
10	53°51.8′	2493	72°32.6′	2593	44°02.1′	3098	97°53.6′	2552	63°14.7′	3106
11	53°18.0′	2490	71°59.6′	2591	44°31.5′	3083	97°20.3′	2549	62°45.3′	3109
12	52°44.2′	2487	71°26.5′	2588	45°01.0′	3069	96°46.9′	2546	62°16.0′	3113
13	52°10.4′	2484	70°53.5′	2586	45°30.6′	3055	96°13.5′	2543	61°46.7′	3117
14	51°36.5′	2482	70°20.4′	2584	46°00.3′	3041	95°40.1′	2540	61°17.4′	3121
15	51°02.6′	2479	69°47.3′	2582	46°30.1′	3028	95°06.7′	2538	60°48.2′	3125
16	50°28.7′	2476	69°14.2′	2580	46°59.9′	3015	94°33.2′	2535	60°19.0′	3130
17	49°54.8′	2474	68°41.1′	2578	47°29.9′	3003	93°59.8′	2532	59°49.8′	3135
18	49°20.8′	2471	68°07.9′	2577	47°59.9′	2991	93°26.3′	2529	59°20.6′	3140
19	48°46.9′	2468	67°34.8′	2575	48°30.1′	2979	92°52.8′	2526	58°51.5′	3145
20	48°12.9′	2465	67°01.6′	2573	49°00.3′	2967	92°19.2′	2523	58°22.4′	3151
21	47°38.9′	2463	66°28.4′	2571	49°30.6′	2956	91°45.7′	2521	57°53.4′	3157
22	47°04.8′	2460	65°55.2′	2569	50°01.0′	2945	91°12.1′	2518	57°24.4′	3163
23	46°30.8′	2457	65°22.0′	2568	50°31.4′	2935	90°38.5′	2515	56°55.4′	3169

Sun Aug 13, 2017 UTC

UTC	-Sun		-Aldebaran		-Betelgeuse		+Formalhaut		-Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	116°26.9'	2770	45°56.7'	2454	64°48.8'	2566	51°02.0'	2924	90°04.9'	2512
1	115°55.2'	2767	45°22.6'	2452	64°15.6'	2564	51°32.6'	2914	89°31.2'	2510
2	115°23.5'	2764	44°48.5'	2449	63°42.3'	2563	52°03.2'	2904	88°57.6'	2507
3	114°51.7'	2761	44°14.4'	2446	63°09.1'	2561	52°34.0'	2895	88°23.9'	2504
4	114°19.9'	2758	43°40.2'	2444	62°35.8'	2559	53°04.8'	2885	87°50.2'	2502
5	113°48.1'	2755	43°06.0'	2441	62°02.5'	2558	53°35.7'	2876	87°16.4'	2499
6	113°16.3'	2752	42°31.8'	2438	61°29.2'	2557	54°06.6'	2867	86°42.7'	2496
7	112°44.5'	2749	41°57.6'	2435	60°55.9'	2555	54°37.6'	2859	86°08.9'	2494
8	112°12.6'	2746	41°23.3'	2433	60°22.6'	2554	55°08.7'	2850	85°35.1'	2491
9	111°40.8'	2744	40°49.1'	2430	59°49.3'	2553	55°39.8'	2842	85°01.3'	2488
10	111°08.9'	2741	40°14.8'	2427	59°16.0'	2551	56°11.0'	2833	84°27.5'	2486
11	110°36.9'	2738	39°40.5'	2425	58°42.6'	2550	56°42.2'	2825	83°53.6'	2483
12	110°05.0'	2735	39°06.1'	2422	58°09.3'	2549	57°13.5'	2818	83°19.8'	2481
13	109°33.0'	2732	38°31.8'	2419	57°35.9'	2548	57°44.9'	2810	82°45.9'	2478
14	109°01.0'	2729	37°57.4'	2416	57°02.5'	2547	58°16.3'	2802	82°12.0'	2476
15	108°29.0'	2726	37°23.0'	2414	56°29.1'	2546	58°47.8'	2795	81°38.0'	2473
16	107°57.0'	2723	36°48.6'	2411	55°55.8'	2545	59°19.3'	2788	81°04.1'	2471
17	107°25.0'	2720	36°14.2'	2408	55°22.4'	2544	59°50.9'	2781	80°30.1'	2468
18	106°52.9'	2717	35°39.7'	2406	54°49.0'	2543	60°22.5'	2774	79°56.1'	2466
19	106°20.8'	2715	35°05.2'	2403	54°15.6'	2543	60°54.2'	2767	79°22.1'	2463
20	105°48.7'	2712	34°30.7'	2400	53°42.2'	2542	61°25.9'	2760	78°48.1'	2461
21	105°16.5'	2709	33°56.2'	2398	53°08.7'	2542	61°57.7'	2754	78°14.0'	2458
22	104°44.4'	2706	33°21.6'	2395	52°35.3'	2541	62°29.5'	2748	77°40.0'	2456
23	104°12.2'	2703	32°47.1'	2392	52°01.9'	2541	63°01.4'	2741	77°05.9'	2454

Mon Aug 14, 2017 UTC

UTC	-Sun		-Aldebaran		-Betelgeuse		-Pollux		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	103°40.0'	2700	32°12.5'	2390	51°28.5'	2541	76°31.8'	2451	63°33.3'	2735
1	103°07.8'	2697	31°37.9'	2387	50°55.1'	2540	75°57.7'	2449	64°05.3'	2729
2	102°35.6'	2695	31°03.3'	2384	50°21.6'	2540	75°23.5'	2446	64°37.3'	2723
3	102°03.3'	2692	30°28.6'	2382	49°48.2'	2540	74°49.4'	2444	65°09.3'	2717
4	101°31.0'	2689	29°53.9'	2379	49°14.8'	2541	74°15.2'	2442	65°41.4'	2712
5	100°58.7'	2686	29°19.2'	2376	48°41.3'	2541	73°41.0'	2440	66°13.6'	2706
6	100°26.4'	2683	28°44.5'	2374	48°07.9'	2541	73°06.8'	2437	66°45.7'	2701
7	99°54.0'	2680	28°09.8'	2371	47°34.5'	2542	72°32.6'	2435	67°18.0'	2695
8	99°21.7'	2678	27°35.0'	2369	47°01.1'	2542	71°58.3'	2433	67°50.2'	2690
9	98°49.3'	2675	27°00.3'	2366	46°27.7'	2543	71°24.0'	2431	68°22.5'	2685
10	98°16.9'	2672	26°25.5'	2363	45°54.3'	2544	70°49.8'	2429	68°54.8'	2680
11	97°44.4'	2669	25°50.6'	2361	45°20.9'	2545	70°15.5'	2426	69°27.2'	2675
12	97°12.0'	2666	25°15.8'	2358	44°47.5'	2546	69°41.1'	2424	69°59.6'	2670
13	96°39.5'	2663	24°40.9'	2356	44°14.1'	2548	69°06.8'	2422	70°32.1'	2665
14	96°07.0'	2661	24°06.1'	2353	43°40.7'	2549	68°32.5'	2420	71°04.6'	2660
15	95°34.5'	2658	23°31.2'	2351	43°07.3'	2551	67°58.1'	2418	71°37.1'	2655
16	95°02.0'	2655	22°56.2'	2348	42°34.0'	2553	67°23.7'	2416	72°09.6'	2651
17	94°29.4'	2652	22°21.3'	2345	42°00.7'	2555	66°49.3'	2414	72°42.2'	2646
18	93°56.8'	2650	21°46.3'	2343	41°27.3'	2557	66°14.9'	2412	73°14.8'	2642
19	93°24.2'	2647	21°11.4'	2340	40°54.0'	2560	65°40.5'	2410	73°47.5'	2638
20	92°51.6'	2644	20°36.3'	2338	40°20.8'	2562	65°06.0'	2408	74°20.2'	2633
21	92°19.0'	2641	20°01.3'	2335	39°47.5'	2565	64°31.6'	2407	74°52.9'	2629
22	91°46.3'	2639	19°26.3'	2333	39°14.3'	2569	63°57.1'	2405	75°25.7'	2625
23	91°13.6'	2636	18°51.2'	2330	38°41.1'	2572	63°22.6'	2403	75°58.5'	2621

Tue Aug 15, 2017 UTC

UTC	−Sun		−Aldebaran		−Betelgeuse		−Pollux		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	90°40.9′	2633	18°16.1′	2328	38°07.9′	2576	62°48.1′	2401	76°31.3′	2617
1	90°08.2′	2631	17°41.0′	2325	37°34.7′	2580	62°13.6′	2399	77°04.1′	2613
2	89°35.5′	2628	17°05.9′	2323	37°01.6′	2585	61°39.0′	2398	77°37.0′	2609
3	89°02.7′	2625	16°30.8′	2321	36°28.5′	2590	61°04.5′	2396	78°09.9′	2606
4	88°29.9′	2623	15°55.6′	2318	35°55.5′	2595	60°29.9′	2395	78°42.8′	2602
5	87°57.1′	2620	15°20.4′	2316	35°22.5′	2601	59°55.4′	2393	79°15.8′	2598
6	87°24.3′	2617	14°45.2′	2313	34°49.5′	2607	59°20.8′	2392	79°48.8′	2595
7	86°51.5′	2615	14°10.0′	2311	34°16.6′	2613	58°46.2′	2390	80°21.8′	2591
8	86°18.6′	2612	13°34.7′	2309	33°43.7′	2621	58°11.6′	2389	80°54.8′	2588
9	85°45.7′	2609	12°59.5′	2307	33°10.9′	2628	57°37.0′	2387	81°27.9′	2585
10	85°12.8′	2607	12°24.2′	2304	32°38.1′	2636	57°02.4′	2386	82°01.0′	2582
11	84°39.9′	2604	11°48.9′	2302	32°05.4′	2645	56°27.7′	2385	82°34.1′	2578
12	84°07.0′	2602	11°13.6′	2300	31°32.8′	2654	55°53.1′	2384	83°07.2′	2575
13	83°34.0′	2599	10°38.3′	2298	31°00.2′	2664	55°18.4′	2382	83°40.4′	2572
14	83°01.0′	2597	10°02.9′	2296	30°27.7′	2675	54°43.7′	2381	84°13.6′	2569
15	82°28.0′	2594	9°27.6′	2294	29°55.3′	2687	54°09.1′	2380	84°46.8′	2566
16	81°55.0′	2591	8°52.2′	2292	29°23.0′	2699	53°34.4′	2379	85°20.0′	2564
17	81°22.0′	2589	8°16.8′	2290	28°50.8′	2713	52°59.7′	2378	85°53.2′	2561
18	80°48.9′	2587	7°41.4′	2289	28°18.7′	2727	52°25.0′	2378	86°26.5′	2558
19	80°15.8′	2584	7°06.0′	2288	27°46.6′	2743	51°50.3′	2377	86°59.8′	2556
20	79°42.7′	2582	6°30.5′	2287	27°14.7′	2759	51°15.6′	2376	87°33.1′	2553
21	79°09.6′	2579	5°55.1′	2286	26°42.9′	2777	50°40.9′	2375	88°06.4′	2551
22	78°36.5′	2577	5°19.6′	2287	26°11.3′	2796	50°06.1′	2375	88°39.8′	2548
23	78°03.3′	2574	4°44.2′	2288	25°39.8′	2817	49°31.4′	2375	89°13.2′	2546

Wed Aug 16, 2017 UTC

UTC	−Sun		−Aldebaran		−Pollux		−Procyon		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	77°30.2′	2572	4°08.8′	2291	48°56.7′	2374	50°19.9′	2480	89°46.5′	2544
1	76°57.0′	2570	3°33.4′	2297	48°21.9′	2374	49°46.0′	2482	90°19.9′	2541
2	76°23.8′	2567	2°58.0′	2310	47°47.2′	2374	49°12.1′	2483	90°53.4′	2539
3	75°50.6′	2565	2°22.8′	2337	47°12.5′	2374	48°38.2′	2485	91°26.8′	2537
4	75°17.3′	2563	1°47.7′	2408	46°37.7′	2374	48°04.3′	2487	92°00.3′	2535
5	74°44.1′	2560	–	–	46°03.0′	2374	47°30.5′	2489	92°33.7′	2534
6	74°10.8′	2558	–	–	45°28.3′	2374	46°56.7′	2492	93°07.2′	2532
7	73°37.5′	2556	–	–	44°53.5′	2375	46°22.9′	2494	93°40.7′	2530
8	73°04.2′	2554	–	–	44°18.8′	2375	45°49.1′	2497	94°14.2′	2528
9	72°30.9′	2552	–	–	43°44.1′	2376	45°15.3′	2500	94°47.7′	2527
10	71°57.5′	2549	1°51.2′	2318	43°09.4′	2376	44°41.6′	2504	95°21.3′	2525
11	71°24.2′	2547	2°26.4′	2289	42°34.7′	2377	44°07.9′	2507	95°54.8′	2524
12	70°50.8′	2545	3°01.8′	2273	41°59.9′	2378	43°34.2′	2511	96°28.4′	2523
13	70°17.4′	2543	3°37.3′	2263	41°25.2′	2380	43°00.5′	2515	97°01.9′	2521
14	69°44.0′	2541	4°13.0′	2256	40°50.6′	2381	42°26.9′	2519	97°35.5′	2520
15	69°10.6′	2539	4°48.7′	2251	40°15.9′	2383	41°53.3′	2524	98°09.1′	2519
16	68°37.1′	2537	5°24.4′	2246	39°41.2′	2384	41°19.8′	2529	98°42.7′	2518
17	68°03.7′	2535	6°00.2′	2243	39°06.6′	2386	40°46.3′	2534	99°16.3′	2517
18	67°30.2′	2533	6°36.0′	2240	38°31.9′	2389	40°12.8′	2540	99°49.9′	2516
19	66°56.7′	2531	7°11.8′	2237	37°57.3′	2391	39°39.3′	2546	100°23.5′	2516
20	66°23.2′	2529	7°47.6′	2234	37°22.7′	2394	39°06.0′	2552	100°57.1′	2515
21	65°49.7′	2527	8°23.5′	2232	36°48.1′	2397	38°32.6′	2559	101°30.7′	2514
22	65°16.2′	2525	8°59.4′	2230	36°13.6′	2400	37°59.3′	2566	102°04.4′	2514
23	64°42.6′	2524	9°35.3′	2228	35°39.1′	2403	37°26.1′	2574	102°38.0′	2514

Thu Aug 17, 2017 UTC

UTC	−Sun		+Aldebaran		−Pollux		−Venus		−Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	64°09.1′	2522	10°11.2′	2225	35°04.6′	2407	29°06.8′	2609	36°52.9′	2582
1	63°35.5′	2520	10°47.2′	2224	34°30.1′	2411	28°33.9′	2608	36°19.8′	2591
2	63°01.9′	2518	11°23.1′	2222	33°55.6′	2415	28°01.0′	2607	35°46.8′	2600
3	62°28.3′	2517	11°59.1′	2220	33°21.2′	2420	27°28.1′	2605	35°13.8′	2610
4	61°54.7′	2515	12°35.1′	2218	32°46.9′	2425	26°55.2′	2604	34°40.9′	2621
5	61°21.1′	2513	13°11.1′	2216	32°12.5′	2431	26°22.2′	2603	34°08.1′	2632
6	60°47.4′	2512	13°47.1′	2215	31°38.3′	2437	25°49.3′	2602	33°35.4′	2644
7	60°13.8′	2510	14°23.1′	2213	31°04.0′	2443	25°16.3′	2602	33°02.7′	2656
8	59°40.1′	2509	14°59.2′	2212	30°29.8′	2450	24°43.4′	2601	32°30.2′	2670
9	59°06.4′	2507	15°35.2′	2210	29°55.7′	2458	24°10.4′	2600	31°57.7′	2684
10	58°32.8′	2506	16°11.3′	2209	29°21.6′	2466	23°37.4′	2600	31°25.4′	2700
11	57°59.1′	2504	16°47.4′	2207	28°47.6′	2474	23°04.4′	2599	30°53.2′	2716
12	57°25.4′	2503	17°23.5′	2206	28°13.7′	2484	22°31.5′	2599	30°21.1′	2733
13	56°51.6′	2501	17°59.6′	2204	27°39.8′	2494	21°58.5′	2599	29°49.1′	2752
14	56°17.9′	2500	18°35.7′	2203	27°06.0′	2505	21°25.5′	2598	29°17.3′	2771
15	55°44.2′	2499	19°11.8′	2202	26°32.3′	2517	20°52.5′	2598	28°45.6′	2793
16	55°10.4′	2498	19°48.0′	2201	25°58.7′	2530	20°19.5′	2599	28°14.0′	2815
17	54°36.7′	2496	20°24.1′	2200	25°25.2′	2543	19°46.5′	2599	27°42.6′	2839
18	54°02.9′	2495	21°00.3′	2198	24°51.8′	2558	19°13.6′	2600	27°11.4′	2865
19	53°29.1′	2494	21°36.4′	2197	24°18.5′	2574	18°40.6′	2600	26°40.4′	2893
20	52°55.3′	2493	22°12.6′	2196	23°45.3′	2592	18°07.6′	2601	26°09.6′	2922
21	52°21.5′	2492	22°48.8′	2195	23°12.3′	2611	17°34.7′	2602	25°39.0′	2954
22	51°47.7′	2491	23°25.0′	2194	22°39.4′	2632	17°01.7′	2604	25°08.6′	2988
23	51°13.9′	2490	24°01.2′	2193	22°06.7′	2654	16°28.8′	2606	24°38.4′	3025

Fri Aug 18, 2017 UTC

UTC	−Sun		+Aldebaran		−Venus		−Pollux		−Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	50°40.1′	2489	24°37.4′	2192	15°55.8′	2608	21°34.1′	2678	24°08.5′	3064
1	50°06.3′	2488	25°13.6′	2192	15°22.9′	2610	21°01.7′	2705	23°38.9′	3107
2	49°32.4′	2487	25°49.8′	2191	14°50.0′	2613	20°29.6′	2734	23°09.5′	3152
3	48°58.6′	2486	26°26.1′	2190	14°17.1′	2616	19°57.6′	2766	22°40.5′	3202
4	48°24.7′	2486	27°02.3′	2189	13°44.3′	2620	19°25.9′	2801	22°11.8′	3255
5	47°50.9′	2485	27°38.5′	2189	13°11.5′	2625	18°54.4′	2839	21°43.5′	3313
6	47°17.0′	2484	28°14.8′	2188	12°38.7′	2630	18°23.2′	2882	21°15.5′	3376
7	46°43.2′	2484	28°51.1′	2187	12°06.0′	2637	17°52.3′	2928	20°47.9′	3444
8	46°09.3′	2483	29°27.3′	2187	11°33.3′	2644	17°21.7′	2980	20°20.8′	3519
9	45°35.4′	2483	30°03.6′	2186	11°00.6′	2653	16°51.5′	3037	19°54.1′	3600
10	45°01.6′	2482	30°39.8′	2186	10°28.1′	2663	16°21.7′	3100	19°27.9′	3688
11	44°27.7′	2482	31°16.1′	2185	9°55.6′	2676	15°52.3′	3171	19°02.2′	3784
12	43°53.8′	2481	31°52.4′	2185	9°23.2′	2690	15°23.4′	3250	18°37.1′	3890
13	43°19.9′	2481	32°28.7′	2185	8°50.9′	2708	14°55.0′	3338	18°12.6′	4006
14	42°46.0′	2481	33°05.0′	2184	8°18.7′	2730	14°27.2′	3438	17°48.8′	4133
15	42°12.1′	2481	33°41.2′	2184	7°46.7′	2757	13°60.0′	3550	17°25.6′	4274
16	41°38.2′	2480	34°17.5′	2184	7°14.9′	2790	13°33.5′	3678	17°03.2′	4429
17	41°04.3′	2480	34°53.8′	2184	6°43.3′	2832	–	–	–	–
18	40°30.5′	2480	35°30.1′	2184	6°12.1′	2887	–	–	–	–
19	39°56.6′	2480	36°06.4′	2184	5°41.2′	2959	–	–	–	–
20	39°22.7′	2480	36°42.7′	2184	5°10.9′	3057	–	–	–	–
21	38°48.8′	2480	37°19.0′	2184	–	–	–	–	–	–
22	38°14.9′	2480	37°55.3′	2184	–	–	–	–	–	–
23	37°41.0′	2480	38°31.5′	2184	–	–	–	–	–	–

Sat Aug 19, 2017 UTC

UTC	+Aldebaran		+Betelgeuse		+Rigel		+Capella	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	39°07.8'	2184	23°44.6'	2800	41°17.5'	3461	37°00.8'	4086
1	39°44.1'	2184	24°16.1'	2772	41°44.5'	3431	37°24.2'	4033
2	40°20.4'	2185	24°47.8'	2746	42°11.8'	3402	37°47.9'	3982
3	40°56.7'	2185	25°19.7'	2721	42°39.2'	3374	38°11.9'	3933
4	41°33.0'	2185	25°51.8'	2699	43°06.8'	3348	38°36.2'	3887
5	42°09.2'	2186	26°24.0'	2678	43°34.5'	3322	39°00.7'	3843
6	42°45.5'	2186	26°56.4'	2658	44°02.5'	3298	39°25.4'	3800
7	43°21.8'	2187	27°28.9'	2640	44°30.5'	3275	39°50.5'	3759
8	43°58.0'	2187	28°01.6'	2623	44°58.8'	3252	40°15.7'	3720
9	44°34.3'	2188	28°34.4'	2607	45°27.1'	3231	40°41.2'	3683
10	45°10.5'	2189	29°07.3'	2592	45°55.6'	3210	41°06.9'	3648
11	45°46.8'	2190	29°40.3'	2578	46°24.3'	3191	41°32.8'	3613
12	46°23.0'	2190	30°13.5'	2565	46°53.1'	3172	41°58.9'	3581
13	46°59.3'	2191	30°46.7'	2553	47°22.0'	3154	42°25.2'	3549
14	47°35.5'	2192	31°20.0'	2542	47°51.0'	3136	42°51.7'	3519
15	48°11.7'	2193	31°53.5'	2531	48°20.2'	3119	43°18.4'	3490
16	48°47.9'	2194	32°27.0'	2521	48°49.4'	3103	43°45.2'	3463
17	49°24.1'	2195	33°00.5'	2511	49°18.8'	3088	44°12.3'	3436
18	50°00.3'	2196	33°34.2'	2503	49°48.2'	3073	44°39.5'	3411
19	50°36.5'	2197	34°07.9'	2494	50°17.8'	3059	45°06.8'	3386
20	51°12.7'	2199	34°41.7'	2487	50°47.5'	3046	45°34.3'	3363
21	51°48.9'	2200	35°15.5'	2480	51°17.2'	3033	46°02.0'	3341
22	52°25.0'	2201	35°49.4'	2473	51°47.1'	3020	46°29.8'	3319
23	53°01.2'	2202	36°23.4'	2467	52°17.0'	3008	46°57.7'	3299

Sun Aug 20, 2017 UTC

UTC	+Venus		+Aldebaran		+Betelgeuse		+Rigel	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	11°04.9'	2663	53°37.3'	2204	36°57.4'	2461	52°47.0'	2997
1	11°37.4'	2656	54°13.4'	2205	37°31.4'	2455	53°17.1'	2986
2	12°10.0'	2651	54°49.5'	2207	38°05.5'	2450	53°47.3'	2975
3	12°42.6'	2647	55°25.6'	2209	38°39.7'	2445	54°17.5'	2965
4	13°15.2'	2644	56°01.7'	2210	39°13.8'	2441	54°47.8'	2956
5	13°47.8'	2641	56°37.8'	2212	39°48.0'	2437	55°18.2'	2947
6	14°20.5'	2639	57°13.8'	2214	40°22.3'	2433	55°48.7'	2938
7	14°53.2'	2637	57°49.9'	2215	40°56.5'	2430	56°19.2'	2930
8	15°25.8'	2636	58°25.9'	2217	41°30.8'	2427	56°49.7'	2922
9	15°58.6'	2635	59°01.9'	2219	42°05.1'	2424	57°20.3'	2914
10	16°31.3'	2634	59°37.9'	2221	42°39.5'	2421	57°51.0'	2907
11	17°04.0'	2634	60°13.9'	2223	43°13.8'	2419	58°21.7'	2900
12	17°36.7'	2634	60°49.8'	2225	43°48.2'	2417	58°52.5'	2894
13	18°09.4'	2634	61°25.8'	2227	44°22.6'	2415	59°23.3'	2888
14	18°42.1'	2635	62°01.7'	2229	44°57.0'	2413	59°54.2'	2882
15	19°14.8'	2636	62°37.6'	2232	45°31.4'	2411	60°25.1'	2876
16	19°47.5'	2637	63°13.5'	2234	46°05.9'	2410	60°56.0'	2871
17	20°20.2'	2638	63°49.4'	2236	46°40.3'	2409	61°27.0'	2866
18	20°52.9'	2639	64°25.2'	2239	47°14.8'	2408	61°58.0'	2862
19	21°25.6'	2641	65°01.1'	2241	47°49.2'	2407	62°29.0'	2857
20	21°58.2'	2642	65°36.9'	2244	48°23.7'	2407	63°00.1'	2853
21	22°30.9'	2644	66°12.7'	2246	48°58.2'	2406	63°31.2'	2850
22	23°03.5'	2646	66°48.4'	2249	49°32.6'	2406	64°02.4'	2846
23	23°36.2'	2648	67°24.2'	2251	50°07.1'	2406	64°33.5'	2843

Mon Aug 21, 2017 UTC

UTC	+Pollux		+Venus		+Betelgeuse		+Aldebaran	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	25°31.9'	2581	24°08.8'	2650	50°41.6'	2406	67°59.9'	2254
1	26°05.1'	2570	24°41.4'	2652	51°16.1'	2406	68°35.6'	2257
2	26°38.3'	2560	25°14.0'	2654	51°50.6'	2407	69°11.3'	2260
3	27°11.5'	2551	25°46.5'	2657	52°25.0'	2407	69°47.0'	2262
4	27°44.9'	2543	26°19.1'	2659	52°59.5'	2408	70°22.6'	2265
5	28°18.3'	2535	26°51.6'	2662	53°34.0'	2409	70°58.2'	2268
6	28°51.8'	2528	27°24.1'	2665	54°08.4'	2410	71°33.8'	2271
7	29°25.3'	2522	27°56.6'	2667	54°42.9'	2411	72°09.4'	2274
8	29°58.9'	2516	28°29.0'	2670	55°17.3'	2412	72°44.9'	2277
9	30°32.5'	2511	29°01.5'	2673	55°51.7'	2413	73°20.4'	2280
10	31°06.1'	2507	29°33.9'	2676	56°26.2'	2414	73°55.9'	2284
11	31°39.8'	2503	30°06.3'	2679	57°00.6'	2416	74°31.4'	2287
12	32°13.5'	2499	30°38.7'	2683	57°35.0'	2417	75°06.8'	2290
13	32°47.3'	2496	31°11.0'	2686	58°09.4'	2419	75°42.2'	2293
14	33°21.1'	2493	31°43.4'	2689	58°43.7'	2421	76°17.6'	2297
15	33°54.9'	2490	32°15.7'	2693	59°18.1'	2423	76°53.0'	2300
16	34°28.7'	2488	32°47.9'	2696	59°52.4'	2425	77°28.3'	2304
17	35°02.5'	2486	33°20.2'	2700	60°26.8'	2427	78°03.6'	2307
18	35°36.3'	2485	33°52.4'	2703	61°01.1'	2429	78°38.9'	2311
19	36°10.2'	2484	34°24.6'	2707	61°35.4'	2432	79°14.1'	2314
20	36°44.1'	2483	34°56.8'	2711	62°09.7'	2434	79°49.3'	2318
21	37°17.9'	2482	35°28.9'	2714	62°43.9'	2436	80°24.5'	2322
22	37°51.8'	2482	36°01.0'	2718	63°18.2'	2439	80°59.7'	2325
23	38°25.7'	2481	36°33.1'	2722	63°52.4'	2442	81°34.8'	2329

Wed Aug 23, 2017 UTC

UTC	-Jupiter		-Spica		-Antares		-Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	34°28.8'	2513	38°22.3'	2513	84°16.4'	2498	95°13.8'	2443
1	33°55.1'	2519	37°48.7'	2520	83°42.7'	2503	94°39.6'	2448
2	33°21.6'	2524	37°15.1'	2526	83°09.0'	2508	94°05.5'	2452
3	32°48.0'	2530	36°41.5'	2533	82°35.3'	2513	93°31.4'	2457
4	32°14.5'	2536	36°08.0'	2540	82°01.6'	2518	92°57.3'	2462
5	31°41.0'	2541	35°34.6'	2548	81°28.0'	2523	92°23.2'	2467
6	31°07.6'	2547	35°01.2'	2555	80°54.5'	2528	91°49.2'	2471
7	30°34.2'	2553	34°27.9'	2563	80°20.9'	2533	91°15.3'	2476
8	30°00.9'	2559	33°54.7'	2570	79°47.5'	2538	90°41.3'	2481
9	29°27.6'	2565	33°21.5'	2578	79°14.0'	2543	90°07.5'	2486
10	28°54.4'	2571	32°48.3'	2586	78°40.6'	2548	89°33.6'	2491
11	28°21.2'	2577	32°15.3'	2594	78°07.2'	2554	88°59.8'	2496
12	27°48.0'	2583	31°42.2'	2602	77°33.9'	2559	88°26.0'	2501
13	27°14.9'	2590	31°09.3'	2611	77°00.6'	2564	87°52.3'	2506
14	26°41.9'	2596	30°36.4'	2620	76°27.4'	2569	87°18.6'	2511
15	26°08.9'	2603	30°03.6'	2629	75°54.2'	2575	86°44.9'	2516
16	25°35.9'	2609	29°30.8'	2638	75°21.0'	2580	86°11.3'	2521
17	25°03.0'	2616	28°58.1'	2648	74°47.9'	2585	85°37.8'	2526
18	24°30.2'	2623	28°25.5'	2657	74°14.8'	2591	85°04.2'	2531
19	23°57.4'	2630	27°53.0'	2667	73°41.8'	2596	84°30.7'	2536
20	23°24.6'	2637	27°20.5'	2678	73°08.8'	2602	83°57.3'	2541
21	22°52.0'	2645	26°48.1'	2689	72°35.8'	2607	83°23.8'	2547
22	22°19.3'	2652	26°15.8'	2700	72°02.9'	2613	82°50.5'	2552
23	21°46.7'	2660	25°43.6'	2711	71°30.0'	2618	82°17.1'	2557

Thu Aug 24, 2017 UTC

UTC	–Jupiter		–Spica		–Antares		–Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	21°14.2'	2668	25°11.5'	2723	70°57.2'	2624	81°43.8'	2562
1	20°41.8'	2676	24°39.4'	2736	70°24.4'	2630	81°10.5'	2567
2	20°09.4'	2685	24°07.4'	2748	69°51.6'	2635	80°37.3'	2572
3	19°37.0'	2693	23°35.6'	2762	69°18.9'	2641	80°04.1'	2578
4	19°04.8'	2702	23°03.8'	2776	68°46.3'	2647	79°31.0'	2583
5	18°32.5'	2712	22°32.2'	2791	68°13.6'	2652	78°57.9'	2588
6	18°00.4'	2721	22°00.6'	2806	67°41.1'	2658	78°24.8'	2593
7	17°28.3'	2732	21°29.2'	2822	67°08.5'	2664	77°51.8'	2598
8	16°56.4'	2742	20°57.8'	2840	66°36.0'	2670	77°18.8'	2604
9	16°24.4'	2753	20°26.6'	2858	66°03.6'	2675	76°45.9'	2609
10	15°52.6'	2765	19°55.6'	2877	65°31.2'	2681	76°13.0'	2614
11	15°20.9'	2778	19°24.6'	2897	64°58.8'	2687	75°40.1'	2619
12	14°49.2'	2791	18°53.8'	2919	64°26.5'	2693	75°07.3'	2625
13	14°17.7'	2805	18°23.2'	2942	63°54.2'	2699	74°34.5'	2630
14	13°46.2'	2821	17°52.7'	2967	63°22.0'	2705	74°01.8'	2635
15	13°14.9'	2837	17°22.4'	2993	62°49.8'	2711	73°29.0'	2640
16	12°43.7'	2855	16°52.3'	3022	62°17.7'	2717	72°56.4'	2646
17	12°12.6'	2875	16°22.4'	3053	61°45.6'	2723	72°23.7'	2651
18	11°41.6'	2897	15°52.7'	3086	61°13.5'	2729	71°51.2'	2656
19	11°10.8'	2921	15°23.2'	3123	60°41.5'	2735	71°18.6'	2662
20	10°40.2'	2948	14°53.9'	3163	60°09.5'	2741	70°46.1'	2667
21	10°09.8'	2979	14°25.0'	3207	59°37.6'	2747	70°13.6'	2672
22	9°39.6'	3014	13°56.3'	3255	59°05.7'	2753	69°41.2'	2677
23	9°09.6'	3054	13°27.9'	3308	58°33.9'	2759	69°08.8'	2683

Fri Aug 25, 2017 UTC

UTC	+Sun		–Jupiter		–Spica		–Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	40°42.5'	3014	8°39.9'	3102	12°59.9'	3368	58°02.1'	2765
1	41°12.5'	3019	8°10.5'	3157	12°32.3'	3434	57°30.4'	2772
2	41°42.4'	3025	7°41.5'	3224	12°05.1'	3508	56°58.7'	2778
3	42°12.3'	3030	7°12.9'	3304	11°38.3'	3592	56°27.0'	2784
4	42°42.2'	3036	6°44.9'	3403	11°12.1'	3688	55°55.4'	2790
5	43°12.0'	3041	6°17.5'	3527	10°46.4'	3796	55°23.9'	2797
6	43°41.8'	3047	–	–	10°21.4'	3920	54°52.4'	2803
7	44°11.6'	3052	–	–	9°57.1'	4064	54°20.9'	2809
8	44°41.3'	3058	–	–	–	–	53°49.5'	2816
9	45°10.9'	3063	–	–	–	–	53°18.1'	2822
10	45°40.6'	3069	–	–	–	–	52°46.8'	2828
11	46°10.2'	3074	–	–	–	–	52°15.5'	2835
12	46°39.7'	3079	–	–	–	–	51°44.3'	2841
13	47°09.3'	3085	–	–	–	–	51°13.1'	2848
14	47°38.8'	3090	–	–	–	–	50°41.9'	2854
15	48°08.2'	3096	–	–	–	–	50°10.8'	2861
16	48°37.6'	3101	–	–	–	–	49°39.8'	2868
17	49°07.0'	3106	–	–	–	–	49°08.8'	2874
18	49°36.4'	3111	–	–	–	–	48°37.8'	2881
19	50°05.7'	3117	–	–	–	–	48°06.9'	2888
20	50°34.9'	3122	–	–	–	–	47°36.1'	2894
21	51°04.2'	3127	–	–	–	–	47°05.2'	2901
22	51°33.4'	3132	–	–	–	–	46°34.5'	2908
23	52°02.6'	3138	–	–	–	–	46°03.8'	2915

Sat Aug 26, 2017 UTC

UTC	+Sun		-Antares		-Saturn		-Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	52°31.7'	3143	45°33.1'	2922	55°51.5'	2810	93°32.1'	3309
1	53°00.8'	3148	45°02.5'	2929	55°20.0'	2815	93°04.1'	3313
2	53°29.8'	3153	44°31.9'	2936	54°48.7'	2820	92°36.1'	3317
3	53°58.9'	3158	44°01.4'	2943	54°17.3'	2825	92°08.2'	3322
4	54°27.9'	3163	43°30.9'	2950	53°46.0'	2830	91°40.3'	3326
5	54°56.8'	3168	43°00.5'	2958	53°14.7'	2835	91°12.4'	3330
6	55°25.8'	3173	42°30.1'	2965	52°43.5'	2839	90°44.5'	3335
7	55°54.7'	3178	41°59.8'	2972	52°12.3'	2844	90°16.7'	3339
8	56°23.5'	3183	41°29.6'	2980	51°41.1'	2849	89°48.9'	3344
9	56°52.4'	3188	40°59.4'	2988	51°10.0'	2854	89°21.1'	3349
10	57°21.2'	3193	40°29.2'	2995	50°38.9'	2858	88°53.3'	3353
11	57°49.9'	3198	39°59.1'	3003	50°07.8'	2863	88°25.6'	3358
12	58°18.7'	3202	39°29.0'	3011	49°36.8'	2868	87°57.9'	3363
13	58°47.4'	3207	38°59.1'	3019	49°05.8'	2872	87°30.2'	3368
14	59°16.0'	3212	38°29.1'	3027	48°34.8'	2877	87°02.6'	3372
15	59°44.7'	3217	37°59.2'	3035	48°03.9'	2882	86°35.0'	3377
16	60°13.3'	3221	37°29.4'	3043	47°33.0'	2886	86°07.4'	3382
17	60°41.9'	3226	36°59.6'	3052	47°02.1'	2891	85°39.9'	3387
18	61°10.4'	3230	36°29.9'	3060	46°31.3'	2895	85°12.4'	3392
19	61°38.9'	3235	36°00.3'	3069	46°00.5'	2900	84°44.9'	3397
20	62°07.4'	3239	35°30.7'	3078	45°29.7'	2904	84°17.5'	3402
21	62°35.9'	3244	35°01.1'	3087	44°59.0'	2909	83°50.1'	3407
22	63°04.3'	3248	34°31.6'	3096	44°28.2'	2913	83°22.7'	3412
23	63°32.7'	3253	34°02.2'	3106	43°57.6'	2917	82°55.3'	3418

Sun Aug 27, 2017 UTC

UTC	+Sun		+Jupiter		+Spica		-Saturn		-Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	64°01.1'	3257	17°10.4'	3048	15°28.5'	3337	43°26.9'	2922	33°32.9'	3115
1	64°29.4'	3261	17°40.2'	3048	15°56.3'	3315	42°56.3'	2926	33°03.6'	3125
2	64°57.7'	3266	18°09.9'	3048	16°24.3'	3295	42°25.7'	2930	32°34.4'	3135
3	65°26.0'	3270	18°39.6'	3048	16°52.4'	3277	41°55.2'	2935	32°05.2'	3146
4	65°54.3'	3274	19°09.4'	3048	17°20.6'	3260	41°24.6'	2939	31°36.2'	3156
5	66°22.5'	3278	19°39.1'	3049	17°48.9'	3246	40°54.1'	2943	31°07.1'	3167
6	66°50.7'	3282	20°08.9'	3050	18°17.3'	3233	40°23.7'	2947	30°38.2'	3178
7	67°18.9'	3286	20°38.6'	3051	18°45.8'	3221	39°53.2'	2951	30°09.4'	3190
8	67°47.0'	3290	21°08.3'	3052	19°14.4'	3210	39°22.8'	2956	29°40.6'	3202
9	68°15.2'	3294	21°38.0'	3053	19°43.0'	3200	38°52.4'	2960	29°11.9'	3214
10	68°43.3'	3298	22°07.7'	3055	20°11.8'	3191	38°22.1'	2964	28°43.2'	3227
11	69°11.3'	3302	22°37.4'	3057	20°40.5'	3183	37°51.8'	2968	28°14.7'	3240
12	69°39.4'	3306	23°07.1'	3058	21°09.4'	3176	37°21.5'	2972	27°46.2'	3254
13	70°07.4'	3310	23°36.8'	3060	21°38.2'	3170	36°51.2'	2976	27°17.9'	3268
14	70°35.4'	3313	24°06.4'	3062	22°07.2'	3164	36°21.0'	2980	26°49.6'	3283
15	71°03.4'	3317	24°36.1'	3064	22°36.1'	3158	35°50.7'	2984	26°21.4'	3298
16	71°31.4'	3321	25°05.7'	3065	23°05.1'	3154	35°20.6'	2988	25°53.4'	3314
17	71°59.3'	3324	25°35.3'	3067	23°34.1'	3149	34°50.4'	2992	25°25.4'	3330
18	72°27.2'	3328	26°04.9'	3069	24°03.2'	3145	34°20.3'	2996	24°57.5'	3348
19	72°55.1'	3331	26°34.5'	3071	24°32.3'	3142	33°50.2'	3000	24°29.8'	3366
20	73°22.9'	3335	27°04.1'	3073	25°01.4'	3139	33°20.1'	3004	24°02.1'	3385
21	73°50.8'	3338	27°33.7'	3075	25°30.5'	3136	32°50.1'	3008	23°34.6'	3405
22	74°18.6'	3341	28°03.2'	3077	25°59.7'	3133	32°20.0'	3011	23°07.2'	3426
23	74°46.4'	3345	28°32.8'	3080	26°28.8'	3131	31°50.1'	3015	22°39.9'	3448

Mon Aug 28, 2017 UTC

UTC	+Sun		-Saturn		+Jupiter		+Spica		-Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	75°14.2'	3348	31°20.1'	3019	29°02.3'	3082	26°58.0'	3129	22°12.8'	3472
1	75°41.9'	3351	30°50.1'	3023	29°31.8'	3084	27°27.2'	3127	21°45.8'	3496
2	76°09.7'	3354	30°20.2'	3027	30°01.3'	3086	27°56.4'	3126	21°19.0'	3523
3	76°37.4'	3357	29°50.3'	3031	30°30.8'	3088	28°25.6'	3124	20°52.4'	3550
4	77°05.1'	3360	29°20.5'	3035	31°00.3'	3090	28°54.8'	3123	20°25.9'	3580
5	77°32.8'	3363	28°50.7'	3038	31°29.7'	3092	29°24.1'	3122	19°59.5'	3612
6	78°00.4'	3366	28°20.9'	3042	31°59.2'	3094	29°53.3'	3121	19°33.4'	3645
7	78°28.1'	3369	27°51.1'	3046	32°28.6'	3096	30°22.5'	3120	19°07.5'	3681
8	78°55.7'	3372	27°21.3'	3050	32°58.0'	3098	30°51.8'	3119	18°41.8'	3720
9	79°23.3'	3374	26°51.6'	3054	33°27.4'	3100	31°21.1'	3119	18°16.3'	3761
10	79°50.9'	3377	26°21.9'	3058	33°56.8'	3102	31°50.3'	3118	17°51.1'	3805
11	80°18.4'	3380	25°52.2'	3062	34°26.2'	3104	32°19.6'	3118	17°26.1'	3853
12	80°46.0'	3382	25°22.6'	3066	34°55.5'	3106	32°48.8'	3117	17°01.4'	3905
13	81°13.5'	3385	24°53.0'	3070	35°24.9'	3107	33°18.1'	3117	16°37.0'	3961
14	81°41.1'	3387	24°23.4'	3074	35°54.2'	3109	33°47.4'	3117	16°12.9'	4022
15	82°08.6'	3390	23°53.8'	3079	36°23.5'	3111	34°16.7'	3117	15°49.1'	4088
16	82°36.1'	3392	23°24.3'	3083	36°52.8'	3113	34°45.9'	3116	15°25.7'	4160
17	83°03.5'	3395	22°54.8'	3087	37°22.1'	3114	35°15.2'	3116	15°02.7'	4239
18	83°31.0'	3397	22°25.3'	3092	37°51.4'	3116	35°44.5'	3116	14°40.1'	4325
19	83°58.4'	3399	21°55.9'	3097	38°20.7'	3118	36°13.8'	3116	14°17.9'	4420
20	84°25.9'	3401	21°26.5'	3101	38°50.0'	3119	36°43.0'	3116	13°56.2'	4524
21	84°53.3'	3403	20°57.1'	3106	39°19.2'	3121	37°12.3'	3116	13°35.1'	4639
22	85°20.7'	3405	20°27.7'	3111	39°48.5'	3123	37°41.6'	3117	13°14.4'	4767
23	85°48.1'	3407	19°58.4'	3116	40°17.7'	3124	38°10.9'	3117	12°54.4'	4909

Tue Aug 29, 2017 UTC

UTC	+Sun		-Saturn		+Spica		+Jupiter		-Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	86°15.5'	3409	19°29.2'	3122	38°40.1'	3117	40°46.9'	3125	61°19.9'	3734
1	86°42.8'	3411	18°59.9'	3128	39°09.4'	3117	41°16.2'	3127	60°54.5'	3742
2	87°10.2'	3413	18°30.7'	3134	39°38.7'	3117	41°45.4'	3128	60°29.2'	3751
3	87°37.5'	3414	18°01.6'	3140	40°08.0'	3117	42°14.6'	3130	60°03.9'	3759
4	88°04.9'	3416	17°32.4'	3147	40°37.2'	3117	42°43.7'	3131	59°38.6'	3768
5	88°32.2'	3418	17°03.4'	3154	41°06.5'	3117	43°12.9'	3132	59°13.4'	3777
6	88°59.5'	3419	16°34.3'	3161	41°35.8'	3118	43°42.1'	3133	58°48.3'	3786
7	89°26.8'	3421	16°05.4'	3169	42°05.0'	3118	44°11.3'	3134	58°23.2'	3795
8	89°54.1'	3422	15°36.4'	3178	42°34.3'	3118	44°40.4'	3136	57°58.2'	3805
9	90°21.4'	3424	15°07.6'	3187	43°03.6'	3118	45°09.6'	3137	57°33.2'	3814
10	90°48.7'	3425	14°38.8'	3197	43°32.8'	3118	45°38.7'	3138	57°08.2'	3824
11	91°15.9'	3426	14°10.0'	3208	44°02.1'	3118	46°07.8'	3139	56°43.4'	3834
12	91°43.2'	3427	13°41.4'	3220	44°31.4'	3118	46°37.0'	3140	56°18.5'	3844
13	92°10.4'	3429	13°12.8'	3233	45°00.6'	3118	47°06.1'	3140	55°53.8'	3855
14	92°37.7'	3430	12°44.3'	3248	45°29.9'	3118	47°35.2'	3141	55°29.1'	3865
15	93°04.9'	3431	12°15.9'	3264	45°59.2'	3118	48°04.3'	3142	55°04.4'	3876
16	93°32.2'	3432	11°47.6'	3282	46°28.4'	3118	48°33.4'	3143	54°39.9'	3887
17	93°59.4'	3433	11°19.4'	3302	46°57.7'	3118	49°02.5'	3143	54°15.4'	3898
18	94°26.6'	3434	10°51.3'	3325	47°27.0'	3118	49°31.6'	3144	53°50.9'	3909
19	94°53.8'	3434	10°23.4'	3351	47°56.2'	3118	50°00.7'	3145	53°26.5'	3921
20	95°21.0'	3435	9°55.7'	3381	48°25.5'	3118	50°29.8'	3145	53°02.2'	3933
21	95°48.2'	3436	9°28.2'	3416	48°54.8'	3118	50°58.9'	3146	52°37.9'	3945
22	96°15.4'	3436	9°00.8'	3456	49°24.0'	3117	51°27.9'	3146	52°13.7'	3957
23	96°42.6'	3437	8°33.8'	3504	49°53.3'	3117	51°57.0'	3146	51°49.6'	3970

Wed Aug 30, 2017 UTC

UTC	+Sun		-Saturn		+Spica		+Jupiter		-Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	97°09.8'	3437	8°07.0'	3560	50°22.6'	3117	52°26.1'	3147	82°36.6'	3347
1	97°37.0'	3438	7°40.5'	3627	50°51.8'	3117	52°55.2'	3147	82°08.9'	3348
2	98°04.2'	3438	7°14.5'	3709	51°21.1'	3116	53°24.2'	3147	81°41.1'	3349
3	98°31.4'	3439	6°49.0'	3808	51°50.4'	3116	53°53.3'	3147	81°13.4'	3350
4	98°58.6'	3439	6°24.0'	3931	52°19.7'	3116	54°22.4'	3148	80°45.6'	3351
5	99°25.7'	3439	-	-	52°48.9'	3115	54°51.4'	3148	80°17.9'	3352
6	99°52.9'	3439	-	-	53°18.2'	3115	55°20.5'	3148	79°50.2'	3353
7	100°20.1'	3439	-	-	53°47.5'	3114	55°49.6'	3148	79°22.5'	3354
8	100°47.3'	3439	-	-	54°16.8'	3114	56°18.6'	3148	78°54.7'	3355
9	101°14.5'	3439	-	-	54°46.1'	3113	56°47.7'	3147	78°27.0'	3356
10	101°41.6'	3439	-	-	55°15.4'	3113	57°16.8'	3147	77°59.3'	3357
11	102°08.8'	3439	-	-	55°44.7'	3112	57°45.8'	3147	77°31.6'	3358
12	102°36.0'	3439	-	-	56°14.0'	3111	58°14.9'	3147	77°03.9'	3359
13	103°03.2'	3439	-	-	56°43.3'	3111	58°44.0'	3146	76°36.3'	3360
14	103°30.4'	3439	-	-	57°12.6'	3110	59°13.1'	3146	76°08.6'	3361
15	103°57.5'	3438	-	-	57°42.0'	3109	59°42.1'	3146	75°40.9'	3362
16	104°24.7'	3438	-	-	58°11.3'	3108	60°11.2'	3145	75°13.2'	3363
17	104°51.9'	3437	-	-	58°40.6'	3107	60°40.3'	3145	74°45.6'	3364
18	105°19.1'	3437	-	-	59°10.0'	3106	61°09.4'	3144	74°17.9'	3365
19	105°46.3'	3436	-	-	59°39.3'	3105	61°38.5'	3143	73°50.3'	3366
20	106°13.5'	3436	-	-	60°08.6'	3104	62°07.6'	3143	73°22.6'	3367
21	106°40.7'	3435	-	-	60°38.0'	3103	62°36.7'	3142	72°55.0'	3368
22	107°07.9'	3434	-	-	61°07.4'	3102	63°05.8'	3141	72°27.4'	3369
23	107°35.1'	3433	-	-	61°36.7'	3101	63°34.9'	3140	71°59.8'	3370

Thu Aug 31, 2017 UTC

UTC	+Sun		+Antares		+Spica		+Jupiter		-Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	108°02.3'	3432	18°16.2'	3775	62°06.1'	3100	64°04.0'	3140	71°32.1'	3371
1	108°29.5'	3432	18°41.4'	3738	62°35.5'	3099	64°33.1'	3139	71°04.5'	3372
2	108°56.8'	3431	19°06.7'	3704	63°04.9'	3098	65°02.2'	3138	70°36.9'	3373
3	109°24.0'	3430	19°32.3'	3673	63°34.3'	3096	65°31.4'	3137	70°09.3'	3374
4	109°51.2'	3429	19°58.1'	3643	64°03.7'	3095	66°00.5'	3136	69°41.7'	3375
5	110°18.5'	3427	20°24.0'	3616	64°33.1'	3094	66°29.7'	3134	69°14.1'	3376
6	110°45.7'	3426	20°50.1'	3590	65°02.6'	3092	66°58.8'	3133	68°46.6'	3377
7	111°13.0'	3425	21°16.3'	3565	65°32.0'	3091	67°28.0'	3132	68°19.0'	3378
8	111°40.3'	3424	21°42.7'	3543	66°01.5'	3089	67°57.1'	3131	67°51.4'	3379
9	112°07.5'	3422	22°09.3'	3521	66°30.9'	3088	68°26.3'	3129	67°23.9'	3380
10	112°34.8'	3421	22°35.9'	3501	67°00.4'	3086	68°55.5'	3128	66°56.3'	3381
11	113°02.1'	3420	23°02.7'	3481	67°29.9'	3085	69°24.7'	3127	66°28.8'	3382
12	113°29.4'	3418	23°29.7'	3463	67°59.3'	3083	69°53.9'	3125	66°01.2'	3383
13	113°56.7'	3416	23°56.7'	3446	68°28.8'	3081	70°23.1'	3124	65°33.7'	3384
14	114°24.1'	3415	24°23.8'	3429	68°58.4'	3080	70°52.4'	3122	65°06.2'	3386
15	114°51.4'	3413	24°51.1'	3414	69°27.9'	3078	71°21.6'	3121	64°38.6'	3387
16	115°18.7'	3412	25°18.4'	3399	69°57.4'	3076	71°50.8'	3119	64°11.1'	3388
17	115°46.1'	3410	25°45.8'	3385	70°27.0'	3074	72°20.1'	3117	63°43.6'	3390
18	116°13.4'	3408	26°13.4'	3371	70°56.5'	3072	72°49.4'	3116	63°16.1'	3391
19	116°40.8'	3406	26°41.0'	3358	71°26.1'	3071	73°18.7'	3114	62°48.7'	3392
20	117°08.2'	3404	27°08.7'	3346	71°55.7'	3069	73°47.9'	3112	62°21.2'	3394
21	117°35.6'	3402	27°36.4'	3334	72°25.3'	3067	74°17.3'	3110	61°53.7'	3395
22	118°03.0'	3400	28°04.3'	3322	72°54.9'	3065	74°46.6'	3108	61°26.3'	3397
23	118°30.4'	3398	28°32.2'	3311	73°24.5'	3062	75°15.9'	3106	60°58.8'	3398