

Thu Jun 1, 2017 UTC

UTC	+Sun		+Regulus		-Jupiter		+Pollux		-Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	83°34.4'	2924	4°12.7'	2587	39°03.1'	2580	41°10.6'	2720	49°52.1'	2626
1	84°05.0'	2930	4°45.8'	2591	38°29.9'	2586	41°42.6'	2723	49°19.3'	2632
2	84°35.6'	2936	5°18.8'	2596	37°56.9'	2592	42°14.7'	2725	48°46.6'	2638
3	85°06.1'	2942	5°51.8'	2601	37°23.8'	2598	42°46.7'	2728	48°13.9'	2645
4	85°36.6'	2948	6°24.8'	2606	36°50.8'	2603	43°18.7'	2731	47°41.3'	2651
5	86°07.0'	2954	6°57.7'	2611	36°17.9'	2609	43°50.7'	2734	47°08.7'	2657
6	86°37.4'	2960	7°30.6'	2616	35°45.0'	2615	44°22.7'	2737	46°36.1'	2664
7	87°07.7'	2966	8°03.5'	2621	35°12.1'	2621	44°54.7'	2740	46°03.7'	2670
8	87°38.0'	2972	8°36.3'	2626	34°39.3'	2626	45°26.6'	2743	45°31.2'	2677
9	88°08.3'	2977	9°09.1'	2632	34°06.5'	2632	45°58.5'	2747	44°58.8'	2683
10	88°38.5'	2983	9°41.8'	2637	33°33.8'	2638	46°30.4'	2750	44°26.5'	2689
11	89°08.7'	2989	10°14.5'	2642	33°01.1'	2644	47°02.2'	2753	43°54.2'	2696
12	89°38.9'	2995	10°47.1'	2647	32°28.5'	2649	47°34.0'	2757	43°21.9'	2702
13	90°09.0'	3000	11°19.8'	2653	31°55.9'	2655	48°05.8'	2760	42°49.7'	2709
14	90°39.0'	3006	11°52.3'	2658	31°23.3'	2661	48°37.6'	2764	42°17.6'	2715
15	91°09.1'	3012	12°24.9'	2663	30°50.8'	2666	49°09.4'	2767	41°45.4'	2722
16	91°39.1'	3017	12°57.4'	2668	30°18.3'	2672	49°41.1'	2771	41°13.4'	2728
17	92°09.0'	3023	13°29.8'	2673	29°45.9'	2678	50°12.8'	2774	40°41.4'	2735
18	92°38.9'	3029	14°02.2'	2678	29°13.5'	2683	50°44.5'	2778	40°09.4'	2742
19	93°08.8'	3034	14°34.6'	2683	28°41.2'	2689	51°16.1'	2782	39°37.5'	2748
20	93°38.6'	3040	15°07.0'	2689	28°08.9'	2695	51°47.8'	2785	39°05.6'	2755
21	94°08.4'	3045	15°39.3'	2694	27°36.6'	2700	52°19.3'	2789	38°33.8'	2761
22	94°38.2'	3051	16°11.5'	2699	27°04.4'	2706	52°50.9'	2793	38°02.0'	2768
23	95°07.9'	3056	16°43.8'	2704	26°32.2'	2712	53°22.5'	2796	37°30.3'	2775

Fri Jun 2, 2017 UTC

UTC	+Sun		+Regulus		-Jupiter		-Spica		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	95°37.6'	3062	17°16.0'	2709	26°00.1'	2717	36°58.7'	2782	53°54.0'	2800
1	96°07.3'	3067	17°48.1'	2714	25°28.0'	2723	36°27.0'	2789	54°25.5'	2804
2	96°36.9'	3072	18°20.3'	2718	24°55.9'	2729	35°55.5'	2795	54°56.9'	2808
3	97°06.4'	3078	18°52.3'	2723	24°23.9'	2734	35°23.9'	2802	55°28.4'	2811
4	97°36.0'	3083	19°24.4'	2728	23°51.9'	2740	34°52.5'	2809	55°59.8'	2815
5	98°05.5'	3088	19°56.4'	2733	23°20.0'	2746	34°21.0'	2817	56°31.1'	2819
6	98°35.0'	3093	20°28.4'	2738	22°48.1'	2752	33°49.7'	2824	57°02.5'	2823
7	99°04.4'	3098	21°00.3'	2742	22°16.3'	2757	33°18.4'	2831	57°33.8'	2826
8	99°33.8'	3104	21°32.2'	2747	21°44.5'	2763	32°47.1'	2838	58°05.1'	2830
9	100°03.1'	3109	22°04.1'	2752	21°12.7'	2769	32°15.9'	2846	58°36.4'	2834
10	100°32.5'	3114	22°35.9'	2757	20°41.0'	2775	31°44.7'	2853	59°07.6'	2838
11	101°01.8'	3119	23°07.7'	2761	20°09.3'	2781	31°13.6'	2861	59°38.8'	2841
12	101°31.0'	3124	23°39.5'	2766	19°37.7'	2787	30°42.6'	2869	60°10.0'	2845
13	102°00.2'	3129	24°11.3'	2770	19°06.1'	2793	30°11.6'	2876	60°41.2'	2849
14	102°29.4'	3134	24°43.0'	2775	18°34.6'	2800	29°40.6'	2884	61°12.3'	2853
15	102°58.6'	3139	25°14.6'	2779	18°03.1'	2806	29°09.7'	2893	61°43.4'	2856
16	103°27.7'	3144	25°46.3'	2784	17°31.7'	2813	28°38.9'	2901	62°14.5'	2860
17	103°56.8'	3148	26°17.9'	2788	17°00.3'	2819	28°08.2'	2909	62°45.6'	2864
18	104°25.9'	3153	26°49.5'	2793	16°28.9'	2826	27°37.5'	2918	63°16.6'	2867
19	104°54.9'	3158	27°21.0'	2797	15°57.6'	2833	27°06.8'	2927	63°47.6'	2871
20	105°23.9'	3163	27°52.5'	2801	15°26.4'	2841	26°36.2'	2936	64°18.6'	2875
21	105°52.9'	3167	28°24.0'	2805	14°55.2'	2848	26°05.7'	2946	64°49.5'	2878
22	106°21.8'	3172	28°55.4'	2810	14°24.0'	2856	25°35.3'	2955	65°20.5'	2882
23	106°50.7'	3177	29°26.9'	2814	13°53.0'	2865	25°04.9'	2965	65°51.4'	2886

Sat Jun 3, 2017 UTC

UTC	+Sun		-Jupiter		+Regulus		-Spica		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	107°19.6'	3181	13°21.9'	2873	29°58.2'	2818	24°34.6'	2976	66°22.2'	2889
1	107°48.4'	3186	12°51.0'	2883	30°29.6'	2822	24°04.3'	2987	66°53.1'	2893
2	108°17.2'	3190	12°20.1'	2893	31°00.9'	2826	23°34.2'	2998	67°23.9'	2896
3	108°46.0'	3195	11°49.3'	2904	31°32.2'	2830	23°04.1'	3009	67°54.7'	2900
4	109°14.8'	3199	11°18.5'	2915	32°03.5'	2834	22°34.1'	3021	68°25.5'	2903
5	109°43.5'	3204	10°47.8'	2928	32°34.7'	2838	22°04.2'	3034	68°56.2'	2907
6	110°12.2'	3208	10°17.3'	2942	33°05.9'	2842	21°34.3'	3047	69°27.0'	2910
7	110°40.9'	3212	9°46.8'	2958	33°37.1'	2846	21°04.6'	3061	69°57.6'	2914
8	111°09.5'	3217	9°16.4'	2976	34°08.3'	2850	20°34.9'	3075	70°28.3'	2917
9	111°38.1'	3221	8°46.2'	2997	34°39.4'	2854	20°05.4'	3090	70°59.0'	2921
10	112°06.7'	3225	8°16.1'	3020	35°10.5'	2858	19°35.9'	3107	71°29.6'	2924
11	112°35.2'	3229	7°46.2'	3048	35°41.6'	2861	19°06.6'	3124	72°00.2'	2927
12	113°03.8'	3233	7°16.4'	3081	36°12.6'	2865	18°37.3'	3142	72°30.8'	2931
13	113°32.3'	3237	6°46.9'	3122	36°43.7'	2869	18°08.2'	3161	73°01.3'	2934
14	114°00.7'	3242	6°17.7'	3171	37°14.6'	2873	17°39.2'	3182	73°31.9'	2937
15	114°29.2'	3246	5°48.8'	3234	37°45.6'	2876	17°10.4'	3204	74°02.4'	2941
16	114°57.6'	3250	5°20.3'	3316	38°16.6'	2880	16°41.7'	3228	74°32.9'	2944
17	115°26.0'	3254	4°52.3'	3424	38°47.5'	2883	16°13.2'	3254	75°03.3'	2947
18	115°54.4'	3257	–	–	39°18.4'	2887	15°44.8'	3282	75°33.8'	2950
19	116°22.7'	3261	–	–	39°49.2'	2890	15°16.6'	3312	76°04.2'	2954
20	116°51.0'	3265	–	–	40°20.1'	2894	14°48.6'	3345	76°34.6'	2957
21	117°19.3'	3269	–	–	40°50.9'	2897	14°20.9'	3381	77°04.9'	2960
22	117°47.6'	3273	–	–	41°21.7'	2900	13°53.3'	3421	77°35.3'	2963
23	118°15.8'	3277	–	–	41°52.4'	2904	13°26.0'	3465	78°05.6'	2966

Sun Jun 4, 2017 UTC

UTC	+Sun		+Regulus		-Spica		-Antares		-Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	118°44.0'	3280	42°23.2'	2907	12°59.0'	3514	58°09.3'	2991	72°55.0'	2889
1	119°12.2'	3284	42°53.9'	2910	12°32.3'	3568	57°39.1'	2995	72°24.1'	2892
2	119°40.4'	3288	43°24.6'	2913	12°05.9'	3628	57°09.0'	2999	71°53.3'	2895
3	120°08.5'	3291	43°55.3'	2917	11°39.9'	3696	56°39.0'	3003	71°22.5'	2898
4	120°36.6'	3295	44°25.9'	2920	11°14.3'	3773	56°08.9'	3008	70°51.7'	2902
5	121°04.7'	3298	44°56.6'	2923	10°49.1'	3860	55°38.9'	3012	70°20.9'	2905
6	121°32.8'	3302	45°27.2'	2926	10°24.4'	3960	55°08.9'	3016	69°50.2'	2908
7	122°00.9'	3305	45°57.8'	2929	10°00.3'	4074	54°38.9'	3020	69°19.5'	2911
8	122°28.9'	3309	46°28.3'	2932	9°36.8'	4205	54°09.0'	3024	68°48.8'	2914
9	122°56.9'	3312	46°58.9'	2935	9°14.1'	4357	53°39.1'	3028	68°18.1'	2917
10	123°24.9'	3316	47°29.4'	2938	–	–	53°09.2'	3033	67°47.5'	2920
11	123°52.9'	3319	47°59.9'	2941	–	–	52°39.4'	3037	67°16.8'	2923
12	124°20.8'	3322	48°30.4'	2943	–	–	52°09.6'	3041	66°46.2'	2926
13	124°48.7'	3325	49°00.9'	2946	–	–	51°39.8'	3045	66°15.6'	2928
14	125°16.6'	3329	49°31.3'	2949	–	–	51°10.0'	3049	65°45.0'	2931
15	125°44.5'	3332	50°01.7'	2952	–	–	50°40.3'	3053	65°14.5'	2934
16	126°12.4'	3335	50°32.2'	2954	–	–	50°10.6'	3058	64°44.0'	2937
17	126°40.2'	3338	51°02.5'	2957	–	–	49°40.9'	3062	64°13.5'	2939
18	127°08.0'	3341	51°32.9'	2960	–	–	49°11.2'	3066	63°43.0'	2942
19	127°35.8'	3344	52°03.3'	2962	–	–	48°41.6'	3070	63°12.5'	2945
20	128°03.6'	3347	52°33.6'	2965	–	–	48°12.0'	3075	62°42.0'	2947
21	128°31.4'	3350	53°03.9'	2967	–	–	47°42.5'	3079	62°11.6'	2950
22	128°59.1'	3353	53°34.2'	2970	–	–	47°12.9'	3083	61°41.2'	2952
23	129°26.8'	3356	54°04.5'	2972	–	–	46°43.4'	3087	61°10.8'	2955

Mon Jun 5, 2017 UTC

UTC	+Jupiter		-Antares		+Regulus		-Saturn		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	11°39.5'	3045	46°14.0'	3092	54°34.8'	2975	60°40.4'	2957	90°37.4'	3034
1	12°09.3'	3042	45°44.5'	3096	55°05.0'	2977	60°10.0'	2960	91°07.2'	3037
2	12°39.0'	3039	45°15.1'	3101	55°35.2'	2979	59°39.7'	2962	91°37.0'	3039
3	13°08.8'	3037	44°45.7'	3105	56°05.4'	2982	59°09.3'	2965	92°06.8'	3042
4	13°38.7'	3035	44°16.4'	3110	56°35.6'	2984	58°39.0'	2967	92°36.6'	3044
5	14°08.5'	3033	43°47.1'	3114	57°05.8'	2986	58°08.7'	2969	93°06.4'	3046
6	14°38.3'	3032	43°17.8'	3119	57°36.0'	2988	57°38.4'	2972	93°36.1'	3048
7	15°08.2'	3031	42°48.5'	3123	58°06.1'	2991	57°08.2'	2974	94°05.9'	3051
8	15°38.0'	3031	42°19.3'	3128	58°36.3'	2993	56°37.9'	2976	94°35.6'	3053
9	16°07.9'	3030	41°50.1'	3133	59°06.4'	2995	56°07.7'	2978	95°05.3'	3055
10	16°37.8'	3030	41°20.9'	3138	59°36.5'	2997	55°37.4'	2980	95°35.0'	3057
11	17°07.6'	3030	40°51.8'	3143	60°06.6'	2999	55°07.2'	2983	96°04.7'	3059
12	17°37.5'	3030	40°22.7'	3148	60°36.7'	3001	54°37.0'	2985	96°34.3'	3061
13	18°07.3'	3031	39°53.6'	3153	61°06.7'	3003	54°06.9'	2987	97°04.0'	3064
14	18°37.2'	3031	39°24.6'	3158	61°36.8'	3005	53°36.7'	2989	97°33.6'	3066
15	19°07.1'	3032	38°55.6'	3163	62°06.8'	3007	53°06.6'	2991	98°03.2'	3068
16	19°36.9'	3032	38°26.6'	3168	62°36.9'	3009	52°36.4'	2993	98°32.8'	3070
17	20°06.8'	3033	37°57.7'	3174	63°06.9'	3011	52°06.3'	2995	99°02.4'	3072
18	20°36.6'	3033	37°28.8'	3179	63°36.9'	3012	51°36.2'	2997	99°32.0'	3074
19	21°06.4'	3034	36°60.0'	3185	64°06.8'	3014	51°06.1'	2999	100°01.6'	3076
20	21°36.3'	3035	36°31.1'	3191	64°36.8'	3016	50°36.0'	3001	100°31.1'	3078
21	22°06.1'	3036	36°02.4'	3197	65°06.8'	3018	50°06.0'	3002	101°00.7'	3080
22	22°35.9'	3036	35°33.6'	3203	65°36.7'	3019	49°35.9'	3004	101°30.2'	3081
23	23°05.8'	3037	35°04.9'	3209	66°06.7'	3021	49°05.9'	3006	101°59.7'	3083

Tue Jun 6, 2017 UTC

UTC	+Jupiter		+Spica		-Saturn		-Antares		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	23°35.6'	3038	14°14.8'	3481	48°35.8'	3008	34°36.3'	3216	66°36.6'	3023
1	24°05.4'	3039	14°41.7'	3454	48°05.8'	3010	34°07.7'	3222	67°06.5'	3024
2	24°35.2'	3040	15°08.8'	3428	47°35.8'	3011	33°39.1'	3229	67°36.4'	3026
3	25°05.0'	3041	15°36.0'	3406	47°05.8'	3013	33°10.6'	3236	68°06.3'	3027
4	25°34.8'	3042	16°03.4'	3385	46°35.8'	3015	32°42.1'	3243	68°36.2'	3029
5	26°04.5'	3043	16°31.0'	3366	46°05.9'	3016	32°13.7'	3251	69°06.1'	3030
6	26°34.3'	3044	16°58.6'	3349	45°35.9'	3018	31°45.3'	3259	69°35.9'	3032
7	27°04.1'	3045	17°26.3'	3333	45°06.0'	3020	31°16.9'	3267	70°05.8'	3033
8	27°33.9'	3046	17°54.2'	3319	44°36.0'	3021	30°48.7'	3275	70°35.6'	3035
9	28°03.6'	3047	18°22.1'	3306	44°06.1'	3023	30°20.4'	3283	71°05.4'	3036
10	28°33.4'	3048	18°50.2'	3294	43°36.2'	3024	29°52.3'	3292	71°35.3'	3037
11	29°03.1'	3048	19°18.3'	3283	43°06.3'	3026	29°24.1'	3302	72°05.1'	3039
12	29°32.8'	3049	19°46.4'	3273	42°36.4'	3028	28°56.1'	3311	72°34.9'	3040
13	30°02.6'	3050	20°14.7'	3263	42°06.5'	3029	28°28.1'	3321	73°04.7'	3041
14	30°32.3'	3051	20°43.0'	3254	41°36.6'	3031	28°00.2'	3332	73°34.5'	3042
15	31°02.0'	3052	21°11.3'	3246	41°06.8'	3032	27°32.3'	3343	74°04.3'	3044
16	31°31.7'	3053	21°39.8'	3239	40°36.9'	3033	27°04.5'	3354	74°34.0'	3045
17	32°01.4'	3054	22°08.2'	3232	40°07.1'	3035	26°36.8'	3366	75°03.8'	3046
18	32°31.1'	3055	22°36.7'	3226	39°37.3'	3036	26°09.2'	3379	75°33.5'	3047
19	33°00.8'	3056	23°05.3'	3220	39°07.4'	3038	25°41.6'	3392	76°03.3'	3048
20	33°30.5'	3056	23°33.9'	3214	38°37.6'	3039	25°14.1'	3406	76°33.0'	3049
21	34°00.2'	3057	24°02.5'	3209	38°07.8'	3041	24°46.7'	3421	77°02.8'	3050
22	34°29.9'	3058	24°31.1'	3204	37°38.0'	3042	24°19.4'	3436	77°32.5'	3051
23	34°59.6'	3059	24°59.8'	3199	37°08.3'	3043	23°52.2'	3452	78°02.2'	3052

Wed Jun 7, 2017 UTC

UTC	+Spica		+Jupiter		-Saturn		-Antares		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	25°28.6'	3195	35°29.2'	3060	36°38.5'	3045	23°25.1'	3470	78°31.9'	3053
1	25°57.3'	3191	35°58.9'	3060	36°08.7'	3046	22°58.2'	3488	79°01.6'	3054
2	26°26.1'	3187	36°28.5'	3061	35°39.0'	3047	22°31.3'	3507	79°31.3'	3055
3	26°54.9'	3184	36°58.2'	3062	35°09.2'	3049	22°04.5'	3528	80°01.0'	3056
4	27°23.7'	3180	37°27.8'	3063	34°39.5'	3050	21°37.9'	3550	80°30.7'	3057
5	27°52.6'	3177	37°57.5'	3063	34°09.8'	3051	21°11.4'	3573	81°00.4'	3057
6	28°21.4'	3174	38°27.1'	3064	33°40.0'	3053	20°45.0'	3598	81°30.1'	3058
7	28°50.3'	3171	38°56.7'	3065	33°10.3'	3054	20°18.8'	3624	81°59.7'	3059
8	29°19.2'	3169	39°26.4'	3065	32°40.6'	3055	19°52.8'	3653	82°29.4'	3060
9	29°48.2'	3166	39°56.0'	3066	32°10.9'	3057	19°26.9'	3683	82°59.1'	3061
10	30°17.1'	3164	40°25.6'	3066	31°41.3'	3058	19°01.2'	3716	83°28.7'	3061
11	30°46.1'	3162	40°55.2'	3067	31°11.6'	3059	18°35.7'	3751	83°58.4'	3062
12	31°15.0'	3160	41°24.8'	3067	30°41.9'	3061	18°10.4'	3789	84°28.0'	3063
13	31°44.0'	3158	41°54.5'	3068	30°12.3'	3062	17°45.4'	3830	84°57.7'	3063
14	32°13.0'	3156	42°24.1'	3069	29°42.6'	3063	17°20.5'	3875	85°27.3'	3064
15	32°42.0'	3154	42°53.7'	3069	29°13.0'	3065	16°55.9'	3923	85°56.9'	3064
16	33°11.1'	3152	43°23.3'	3070	28°43.4'	3066	16°31.6'	3975	86°26.5'	3065
17	33°40.1'	3150	43°52.8'	3070	28°13.7'	3068	16°07.6'	4032	86°56.2'	3065
18	34°09.1'	3149	44°22.4'	3070	27°44.1'	3069	15°43.9'	4094	87°25.8'	3066
19	34°38.2'	3147	44°52.0'	3071	27°14.5'	3070	15°20.5'	4161	87°55.4'	3066
20	35°07.3'	3146	45°21.6'	3071	26°44.9'	3072	14°57.5'	4236	88°25.0'	3067
21	35°36.3'	3144	45°51.2'	3072	26°15.4'	3074	14°34.9'	4317	88°54.6'	3067
22	36°05.4'	3143	46°20.8'	3072	25°45.8'	3075	14°12.7'	4407	89°24.2'	3068
23	36°34.5'	3142	46°50.3'	3072	25°16.2'	3077	13°50.9'	4506	89°53.9'	3068

Thu Jun 8, 2017 UTC

UTC	-Saturn		+Spica		+Jupiter		+Regulus		-Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	24°46.7'	3079	37°03.6'	3140	47°19.9'	3073	90°23.5'	3069	13°29.6'	4615
1	24°17.2'	3080	37°32.8'	3139	47°49.5'	3073	90°53.1'	3069	13°08.9'	4737
2	23°47.6'	3082	38°01.9'	3138	48°19.1'	3073	91°22.7'	3069	12°48.8'	4872
3	23°18.1'	3084	38°31.0'	3137	48°48.6'	3074	91°52.2'	3070	12°29.2'	5023
4	22°48.6'	3086	39°00.1'	3136	49°18.2'	3074	92°21.8'	3070	12°10.3'	5191
5	22°19.2'	3088	39°29.3'	3135	49°47.8'	3074	92°51.4'	3070	11°52.2'	5381
6	21°49.7'	3090	39°58.4'	3134	50°17.3'	3074	93°21.0'	3070	–	–
7	21°20.2'	3093	40°27.6'	3133	50°46.9'	3075	93°50.6'	3071	–	–
8	20°50.8'	3095	40°56.8'	3132	51°16.4'	3075	94°20.2'	3071	–	–
9	20°21.4'	3098	41°25.9'	3131	51°46.0'	3075	94°49.8'	3071	–	–
10	19°52.0'	3101	41°55.1'	3130	52°15.6'	3075	95°19.4'	3071	–	–
11	19°22.6'	3104	42°24.3'	3129	52°45.1'	3075	95°48.9'	3071	–	–
12	18°53.2'	3107	42°53.5'	3128	53°14.7'	3075	96°18.5'	3071	–	–
13	18°23.9'	3110	43°22.7'	3127	53°44.2'	3075	96°48.1'	3072	–	–
14	17°54.6'	3114	43°51.9'	3126	54°13.8'	3075	97°17.7'	3072	–	–
15	17°25.3'	3118	44°21.1'	3125	54°43.3'	3075	97°47.3'	3072	–	–
16	16°56.0'	3122	44°50.3'	3124	55°12.9'	3075	98°16.8'	3072	–	–
17	16°26.8'	3127	45°19.6'	3123	55°42.4'	3075	98°46.4'	3072	–	–
18	15°57.6'	3132	45°48.8'	3122	56°12.0'	3075	99°16.0'	3072	–	–
19	15°28.4'	3137	46°18.0'	3122	56°41.5'	3075	99°45.6'	3072	–	–
20	14°59.3'	3143	46°47.3'	3121	57°11.1'	3075	100°15.2'	3072	–	–
21	14°30.2'	3150	47°16.5'	3120	57°40.7'	3075	100°44.7'	3072	–	–
22	14°01.1'	3158	47°45.8'	3119	58°10.2'	3075	101°14.3'	3072	–	–
23	13°32.1'	3166	48°15.0'	3118	58°39.8'	3075	101°43.9'	3071	–	–

Fri Jun 9, 2017 UTC

UTC	−Saturn		+Spica		+Jupiter		+Regulus		−Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	13°03.2'	3175	48°44.3'	3118	59°09.3'	3075	102°13.5'	3071	84°04.2'	3356
1	12°34.3'	3186	49°13.6'	3117	59°38.9'	3075	102°43.1'	3071	83°36.5'	3357
2	12°05.5'	3197	49°42.8'	3116	60°08.4'	3075	103°12.6'	3071	83°08.8'	3357
3	11°36.8'	3211	50°12.1'	3115	60°38.0'	3075	103°42.2'	3071	82°41.1'	3357
4	11°08.1'	3226	50°41.4'	3114	61°07.5'	3074	104°11.8'	3071	82°13.4'	3358
5	10°39.6'	3243	51°10.7'	3113	61°37.1'	3074	104°41.4'	3070	81°45.7'	3358
6	10°11.1'	3263	51°40.0'	3113	62°06.7'	3074	105°11.0'	3070	81°18.0'	3359
7	9°42.8'	3286	52°09.3'	3112	62°36.2'	3074	105°40.6'	3070	80°50.3'	3359
8	9°14.7'	3313	52°38.6'	3111	63°05.8'	3073	106°10.2'	3070	80°22.6'	3360
9	8°46.7'	3345	53°07.9'	3110	63°35.4'	3073	106°39.8'	3069	79°55.0'	3361
10	8°18.9'	3383	53°37.2'	3109	64°04.9'	3073	107°09.4'	3069	79°27.3'	3361
11	7°51.4'	3428	54°06.5'	3109	64°34.5'	3073	107°39.0'	3069	78°59.6'	3362
12	7°24.1'	3483	54°35.9'	3108	65°04.1'	3072	108°08.6'	3068	78°32.0'	3362
13	6°57.2'	3550	55°05.2'	3107	65°33.7'	3072	108°38.2'	3068	78°04.3'	3363
14	6°30.7'	3633	55°34.5'	3106	66°03.2'	3072	109°07.8'	3068	77°36.6'	3364
15	6°04.7'	3738	56°03.9'	3105	66°32.8'	3071	109°37.4'	3067	77°09.0'	3365
16	5°39.4'	3872	56°33.2'	3104	67°02.4'	3071	110°07.0'	3067	76°41.3'	3365
17	–	–	57°02.6'	3104	67°32.0'	3070	110°36.6'	3066	76°13.7'	3366
18	–	–	57°32.0'	3103	68°01.6'	3070	111°06.2'	3066	75°46.0'	3367
19	–	–	58°01.3'	3102	68°31.2'	3069	111°35.8'	3065	75°18.4'	3368
20	–	–	58°30.7'	3101	69°00.8'	3069	112°05.4'	3065	74°50.8'	3369
21	–	–	59°00.1'	3100	69°30.4'	3068	112°35.1'	3064	74°23.2'	3370
22	–	–	59°29.5'	3099	69°60.0'	3068	113°04.7'	3064	73°55.5'	3371
23	–	–	59°58.9'	3098	70°29.6'	3067	113°34.3'	3063	73°27.9'	3372

Sat Jun 10, 2017 UTC

UTC	+Spica		+Antares		+Jupiter		−Formalhaut		+Arcturus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	60°28.3'	3097	16°51.1'	3882	70°59.2'	3067	73°00.3'	3373	61°53.5'	3698
1	60°57.7'	3096	17°15.7'	3837	71°28.8'	3066	72°32.7'	3374	62°19.1'	3691
2	61°27.1'	3095	17°40.5'	3796	71°58.4'	3066	72°05.1'	3375	62°44.8'	3685
3	61°56.5'	3095	18°05.5'	3757	72°28.0'	3065	71°37.5'	3376	63°10.5'	3679
4	62°25.9'	3094	18°30.8'	3721	72°57.6'	3064	71°10.0'	3377	63°36.2'	3673
5	62°55.3'	3093	18°56.2'	3688	73°27.3'	3064	70°42.4'	3378	64°01.9'	3667
6	63°24.8'	3092	19°21.9'	3657	73°56.9'	3063	70°14.8'	3380	64°27.7'	3662
7	63°54.2'	3091	19°47.7'	3629	74°26.5'	3062	69°47.3'	3381	64°53.6'	3656
8	64°23.7'	3090	20°13.8'	3602	74°56.2'	3062	69°19.7'	3382	65°19.4'	3650
9	64°53.1'	3089	20°39.9'	3577	75°25.8'	3061	68°52.2'	3384	65°45.3'	3645
10	65°22.6'	3088	21°06.3'	3553	75°55.5'	3060	68°24.7'	3385	66°11.2'	3640
11	65°52.1'	3087	21°32.7'	3531	76°25.1'	3059	67°57.1'	3387	66°37.2'	3635
12	66°21.5'	3086	21°59.4'	3510	76°54.8'	3059	67°29.6'	3388	67°03.2'	3629
13	66°51.0'	3085	22°26.1'	3491	77°24.5'	3058	67°02.1'	3390	67°29.2'	3624
14	67°20.5'	3083	22°52.9'	3472	77°54.1'	3057	66°34.6'	3391	67°55.2'	3620
15	67°50.0'	3082	23°19.9'	3455	78°23.8'	3056	66°07.2'	3393	68°21.3'	3615
16	68°19.5'	3081	23°47.0'	3438	78°53.5'	3055	65°39.7'	3395	68°47.4'	3610
17	68°49.0'	3080	24°14.2'	3423	79°23.2'	3055	65°12.2'	3397	69°13.5'	3606
18	69°18.6'	3079	24°41.5'	3408	79°52.9'	3054	64°44.8'	3399	69°39.7'	3601
19	69°48.1'	3078	25°08.8'	3394	80°22.6'	3053	64°17.4'	3401	70°05.9'	3597
20	70°17.6'	3077	25°36.3'	3381	80°52.3'	3052	63°49.9'	3403	70°32.1'	3592
21	70°47.2'	3076	26°03.8'	3369	81°22.0'	3051	63°22.5'	3405	70°58.3'	3588
22	71°16.7'	3074	26°31.5'	3357	81°51.7'	3050	62°55.1'	3407	71°24.6'	3584
23	71°46.3'	3073	26°59.2'	3345	82°21.5'	3049	62°27.7'	3409	71°50.9'	3580

Sun Jun 11, 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	11°34.9'	3170	27°26.9'	3334	72°15.9'	3072	82°51.2'	3048	62°00.4'	3411
1	12°03.8'	3157	27°54.8'	3324	72°45.4'	3071	83°20.9'	3047	61°33.0'	3414
2	12°32.8'	3145	28°22.7'	3314	73°15.0'	3070	83°50.7'	3046	61°05.7'	3416
3	13°01.9'	3135	28°50.7'	3304	73°44.6'	3068	84°20.4'	3045	60°38.4'	3419
4	13°31.0'	3125	29°18.7'	3295	74°14.2'	3067	84°50.2'	3044	60°11.1'	3421
5	14°00.3'	3116	29°46.8'	3286	74°43.8'	3066	85°20.0'	3043	59°43.8'	3424
6	14°29.5'	3108	30°15.0'	3278	75°13.4'	3065	85°49.8'	3041	59°16.5'	3427
7	14°58.9'	3101	30°43.2'	3270	75°43.1'	3063	86°19.5'	3040	58°49.2'	3430
8	15°28.3'	3094	31°11.4'	3262	76°12.7'	3062	86°49.3'	3039	58°22.0'	3433
9	15°57.7'	3088	31°39.7'	3254	76°42.4'	3061	87°19.1'	3038	57°54.8'	3436
10	16°27.2'	3082	32°08.1'	3247	77°12.0'	3059	87°48.9'	3037	57°27.6'	3439
11	16°56.7'	3076	32°36.5'	3240	77°41.7'	3058	88°18.8'	3036	57°00.4'	3443
12	17°26.2'	3071	33°05.0'	3233	78°11.3'	3056	88°48.6'	3034	56°33.2'	3446
13	17°55.8'	3066	33°33.5'	3227	78°41.0'	3055	89°18.4'	3033	56°06.1'	3450
14	18°25.4'	3061	34°02.0'	3220	79°10.7'	3054	89°48.3'	3032	55°39.0'	3453
15	18°55.1'	3057	34°30.6'	3214	79°40.4'	3052	90°18.1'	3030	55°11.9'	3457
16	19°24.7'	3053	34°59.2'	3208	80°10.1'	3051	90°48.0'	3029	54°44.8'	3461
17	19°54.5'	3049	35°27.9'	3202	80°39.9'	3049	91°17.8'	3028	54°17.8'	3465
18	20°24.2'	3045	35°56.6'	3196	81°09.6'	3048	91°47.7'	3026	53°50.8'	3469
19	20°54.0'	3041	36°25.3'	3191	81°39.3'	3046	92°17.6'	3025	53°23.8'	3474
20	21°23.7'	3037	36°54.1'	3186	82°09.1'	3045	92°47.5'	3023	52°56.8'	3478
21	21°53.6'	3034	37°22.9'	3180	82°38.8'	3043	93°17.4'	3022	52°29.9'	3483
22	22°23.4'	3031	37°51.8'	3175	83°08.6'	3042	93°47.3'	3021	52°03.0'	3488
23	22°53.3'	3027	38°20.7'	3170	83°38.4'	3040	94°17.3'	3019	51°36.1'	3493

Mon Jun 12, 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	23°23.1'	3024	38°49.6'	3165	51°09.3'	3498	84°08.2'	3038	94°47.2'	3018
1	23°53.0'	3021	39°18.5'	3160	50°42.4'	3503	84°38.0'	3037	95°17.2'	3016
2	24°23.0'	3018	39°47.5'	3156	50°15.7'	3509	85°07.8'	3035	95°47.1'	3014
3	24°52.9'	3015	40°16.5'	3151	49°48.9'	3515	85°37.7'	3033	96°17.1'	3013
4	25°22.9'	3012	40°45.6'	3146	49°22.2'	3521	86°07.5'	3032	96°47.1'	3011
5	25°52.9'	3009	41°14.6'	3142	48°55.5'	3527	86°37.4'	3030	97°17.1'	3010
6	26°22.9'	3007	41°43.7'	3138	48°28.9'	3533	87°07.2'	3028	97°47.1'	3008
7	26°52.9'	3004	42°12.9'	3133	48°02.3'	3540	87°37.1'	3027	98°17.1'	3006
8	27°22.9'	3001	42°42.0'	3129	47°35.8'	3547	88°07.0'	3025	98°47.1'	3005
9	27°53.0'	2998	43°11.2'	3125	47°09.2'	3554	88°36.9'	3023	99°17.2'	3003
10	28°23.1'	2996	43°40.4'	3121	46°42.8'	3562	89°06.8'	3021	99°47.2'	3001
11	28°53.2'	2993	44°09.7'	3117	46°16.3'	3570	89°36.7'	3019	100°17.3'	2999
12	29°23.3'	2990	44°39.0'	3113	45°50.0'	3578	90°06.7'	3018	100°47.3'	2998
13	29°53.5'	2988	45°08.3'	3109	45°23.6'	3586	90°36.6'	3016	101°17.4'	2996
14	30°23.6'	2985	45°37.6'	3105	44°57.4'	3595	91°06.6'	3014	101°47.5'	2994
15	30°53.8'	2982	46°06.9'	3101	44°31.1'	3604	91°36.5'	3012	102°17.7'	2992
16	31°24.0'	2980	46°36.3'	3097	44°05.0'	3613	92°06.5'	3010	102°47.8'	2990
17	31°54.2'	2977	47°05.7'	3093	43°38.9'	3623	92°36.5'	3008	103°17.9'	2988
18	32°24.4'	2975	47°35.2'	3089	43°12.8'	3633	93°06.6'	3006	103°48.1'	2986
19	32°54.7'	2972	48°04.6'	3086	42°46.8'	3643	93°36.6'	3004	104°18.2'	2984
20	33°24.9'	2969	48°34.1'	3082	42°20.9'	3654	94°06.6'	3002	104°48.4'	2982
21	33°55.2'	2967	49°03.6'	3078	41°55.0'	3666	94°36.7'	3000	105°18.6'	2980
22	34°25.5'	2964	49°33.2'	3075	41°29.2'	3678	95°06.8'	2998	105°48.8'	2978
23	34°55.8'	2962	50°02.7'	3071	41°03.5'	3690	95°36.8'	2996	106°19.0'	2976

Tue Jun 13, 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	35°26.2'	2959	50°32.3'	3067	40°37.8'	3703	96°06.9'	2994	106°49.3'	2974
1	35°56.5'	2956	51°01.9'	3064	40°12.3'	3716	96°37.1'	2992	107°19.5'	2972
2	36°26.9'	2954	51°31.5'	3060	39°46.8'	3730	97°07.2'	2989	107°49.8'	2970
3	36°57.3'	2951	52°01.2'	3057	39°21.4'	3745	97°37.3'	2987	108°20.1'	2968
4	37°27.7'	2948	52°30.9'	3053	38°56.0'	3760	98°07.5'	2985	108°50.4'	2966
5	37°58.2'	2946	53°00.6'	3049	38°30.8'	3776	98°37.7'	2983	109°20.7'	2963
6	38°28.6'	2943	53°30.3'	3046	38°05.6'	3792	99°07.9'	2981	109°51.0'	2961
7	38°59.1'	2940	54°00.1'	3042	37°40.6'	3809	99°38.1'	2978	110°21.3'	2959
8	39°29.6'	2938	54°29.8'	3039	37°15.6'	3827	100°08.3'	2976	110°51.7'	2956
9	40°00.1'	2935	54°59.6'	3035	36°50.8'	3846	100°38.5'	2974	111°22.1'	2954
10	40°30.6'	2932	55°29.5'	3032	36°26.0'	3866	101°08.8'	2971	111°52.5'	2952
11	41°01.1'	2930	55°59.3'	3028	36°01.4'	3886	101°39.0'	2969	112°22.9'	2949
12	41°31.7'	2927	56°29.2'	3025	35°36.8'	3907	102°09.3'	2967	112°53.3'	2947
13	42°02.3'	2924	56°59.1'	3021	35°12.4'	3930	102°39.6'	2964	113°23.7'	2945
14	42°32.9'	2921	57°29.0'	3018	34°48.2'	3953	103°10.0'	2962	113°54.2'	2942
15	43°03.5'	2918	57°59.0'	3014	34°24.0'	3978	103°40.3'	2959	114°24.7'	2940
16	43°34.1'	2916	58°28.9'	3011	34°00.0'	4003	104°10.6'	2957	114°55.2'	2937
17	44°04.8'	2913	58°58.9'	3007	33°36.1'	4030	104°41.0'	2954	115°25.7'	2935
18	44°35.5'	2910	59°29.0'	3004	33°12.4'	4058	105°11.4'	2952	115°56.2'	2932
19	45°06.2'	2907	59°59.0'	3000	32°48.9'	4087	105°41.8'	2949	116°26.7'	2929
20	45°36.9'	2904	60°29.1'	2997	32°25.4'	4118	106°12.2'	2947	116°57.3'	2927
21	46°07.7'	2901	60°59.2'	2993	32°02.2'	4151	106°42.7'	2944	117°27.9'	2924
22	46°38.4'	2898	61°29.3'	2990	31°39.1'	4185	107°13.1'	2942	117°58.5'	2921
23	47°09.2'	2895	61°59.4'	2986	31°16.2'	4220	107°43.6'	2939	118°29.1'	2919

Wed Jun 14, 2017 UTC

UTC	+Saturn		+Antares		+Spica		-Venus		-Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	47°40.0'	2892	62°29.6'	2983	108°14.1'	2936	85°27.5'	3286	30°53.5'	4258
1	48°10.8'	2889	62°59.8'	2979	108°44.6'	2934	84°59.4'	3283	30°31.0'	4297
2	48°41.7'	2886	63°30.0'	2976	109°15.2'	2931	84°31.2'	3280	30°08.7'	4339
3	49°12.6'	2883	64°00.2'	2972	109°45.7'	2928	84°03.0'	3277	29°46.6'	4383
4	49°43.5'	2880	64°30.5'	2968	110°16.3'	2925	83°34.8'	3274	29°24.8'	4428
5	50°14.4'	2877	65°00.8'	2965	110°46.9'	2923	83°06.5'	3271	29°03.1'	4477
6	50°45.3'	2874	65°31.1'	2961	111°17.5'	2920	82°38.3'	3267	28°41.7'	4528
7	51°16.3'	2870	66°01.5'	2958	111°48.1'	2917	82°10.0'	3264	28°20.6'	4582
8	51°47.2'	2867	66°31.8'	2954	112°18.8'	2914	81°41.7'	3261	27°59.7'	4638
9	52°18.3'	2864	67°02.2'	2950	112°49.4'	2911	81°13.4'	3258	27°39.0'	4698
10	52°49.3'	2861	67°32.6'	2947	113°20.1'	2908	80°45.1'	3254	27°18.7'	4762
11	53°20.3'	2857	68°03.1'	2943	113°50.8'	2906	80°16.7'	3251	26°58.7'	4829
12	53°51.4'	2854	68°33.5'	2939	114°21.6'	2903	79°48.3'	3247	26°38.9'	4899
13	54°22.5'	2851	69°04.0'	2936	114°52.3'	2900	79°19.9'	3244	26°19.5'	4974
14	54°53.6'	2847	69°34.6'	2932	115°23.1'	2897	78°51.5'	3241	26°00.4'	5054
15	55°24.8'	2844	70°05.1'	2928	115°53.9'	2894	78°23.0'	3237	25°41.7'	5138
16	55°55.9'	2841	70°35.7'	2924	116°24.7'	2891	77°54.5'	3233	25°23.3'	5227
17	56°27.1'	2837	71°06.3'	2921	116°55.5'	2888	77°26.1'	3230	25°05.3'	5322
18	56°58.4'	2834	71°36.9'	2917	117°26.4'	2885	76°57.5'	3226	24°47.7'	5423
19	57°29.6'	2830	72°07.5'	2913	117°57.3'	2882	76°29.0'	3223	24°30.5'	5531
20	58°00.9'	2827	72°38.2'	2909	118°28.2'	2878	76°00.4'	3219	24°13.7'	5645
21	58°32.2'	2823	73°08.9'	2905	118°59.1'	2875	75°31.8'	3215	23°57.3'	5768
22	59°03.5'	2819	73°39.7'	2902	119°30.1'	2872	75°03.2'	3212	23°41.4'	5898
23	59°34.8'	2816	74°10.4'	2898	120°01.0'	2869	74°34.6'	3208	23°26.0'	6037

Thu Jun 15, 2017 UTC

UTC	−Sun		+Saturn		+Antares		−Venus		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	119°27.6′	3193	60°06.2′	2812	74°41.2′	2894	74°05.9′	3204	36°17.1′	4760
1	118°58.9′	3189	60°37.6′	2809	75°12.0′	2890	73°37.2′	3200	36°37.2′	4708
2	118°30.1′	3185	61°09.0′	2805	75°42.9′	2886	73°08.5′	3196	36°57.5′	4658
3	118°01.3′	3181	61°40.5′	2801	76°13.7′	2882	72°39.8′	3192	37°18.0′	4610
4	117°32.4′	3177	62°12.0′	2797	76°44.6′	2878	72°11.0′	3188	37°38.7′	4563
5	117°03.5′	3172	62°43.5′	2794	77°15.6′	2874	71°42.2′	3185	37°59.7′	4518
6	116°34.6′	3168	63°15.0′	2790	77°46.5′	2870	71°13.4′	3181	38°20.9′	4474
7	116°05.7′	3164	63°46.6′	2786	78°17.5′	2866	70°44.5′	3176	38°42.3′	4432
8	115°36.7′	3159	64°18.2′	2782	78°48.5′	2862	70°15.6′	3172	39°04.0′	4391
9	115°07.8′	3155	64°49.8′	2778	79°19.6′	2858	69°46.7′	3168	39°25.8′	4351
10	114°38.7′	3151	65°21.4′	2774	79°50.6′	2854	69°17.8′	3164	39°47.8′	4312
11	114°09.7′	3146	65°53.1′	2770	80°21.7′	2850	68°48.9′	3160	40°10.1′	4275
12	113°40.6′	3142	66°24.8′	2766	80°52.9′	2846	68°19.9′	3156	40°32.5′	4239
13	113°11.5′	3138	66°56.6′	2762	81°24.0′	2841	67°50.9′	3152	40°55.1′	4204
14	112°42.4′	3133	67°28.3′	2758	81°55.2′	2837	67°21.8′	3147	41°17.9′	4170
15	112°13.2′	3129	68°00.1′	2754	82°26.4′	2833	66°52.8′	3143	41°40.9′	4137
16	111°44.0′	3124	68°31.9′	2750	82°57.7′	2829	66°23.7′	3139	42°04.0′	4104
17	111°14.8′	3119	69°03.8′	2746	83°29.0′	2825	65°54.5′	3134	42°27.3′	4073
18	110°45.5′	3115	69°35.7′	2742	84°00.3′	2820	65°25.4′	3130	42°50.8′	4043
19	110°16.3′	3110	70°07.6′	2737	84°31.6′	2816	64°56.2′	3125	43°14.5′	4013
20	109°46.9′	3106	70°39.5′	2733	85°03.0′	2812	64°27.0′	3121	43°38.3′	3985
21	109°17.6′	3101	71°11.5′	2729	85°34.4′	2807	63°57.7′	3117	44°02.3′	3957
22	108°48.2′	3096	71°43.5′	2725	86°05.8′	2803	63°28.5′	3112	44°26.4′	3929
23	108°18.8′	3091	72°15.6′	2720	86°37.3′	2799	62°59.2′	3107	44°50.7′	3903

Fri Jun 16, 2017 UTC

UTC	−Sun		+Saturn		−Venus		+Antares		−Aldebaran	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	107°49.4′	3087	72°47.6′	2716	62°29.8′	3103	87°08.8′	2794	92°41.5′	2734
1	107°19.9′	3082	73°19.7′	2712	62°00.5′	3098	87°40.3′	2790	92°09.5′	2730
2	106°50.4′	3077	73°51.9′	2707	61°31.1′	3094	88°11.9′	2786	91°37.5′	2725
3	106°20.8′	3072	74°24.0′	2703	61°01.6′	3089	88°43.5′	2781	91°05.5′	2721
4	105°51.3′	3067	74°56.2′	2698	60°32.2′	3084	89°15.1′	2777	90°33.4′	2717
5	105°21.6′	3062	75°28.5′	2694	60°02.7′	3079	89°46.8′	2772	90°01.3′	2712
6	104°52.0′	3057	76°00.7′	2690	59°33.1′	3075	90°18.5′	2768	89°29.2′	2708
7	104°22.3′	3052	76°33.0′	2685	59°03.6′	3070	90°50.2′	2763	88°57.0′	2703
8	103°52.6′	3047	77°05.4′	2680	58°34.0′	3065	91°21.9′	2759	88°24.8′	2699
9	103°22.9′	3042	77°37.7′	2676	58°04.4′	3060	91°53.7′	2754	87°52.6′	2694
10	102°53.1′	3037	78°10.1′	2671	57°34.7′	3055	92°25.6′	2750	87°20.3′	2689
11	102°23.3′	3032	78°42.6′	2667	57°05.0′	3050	92°57.4′	2745	86°48.0′	2685
12	101°53.4′	3027	79°15.0′	2662	56°35.3′	3045	93°29.3′	2740	86°15.7′	2680
13	101°23.5′	3022	79°47.5′	2657	56°05.5′	3040	94°01.2′	2736	85°43.3′	2675
14	100°53.6′	3017	80°20.1′	2653	55°35.7′	3035	94°33.2′	2731	85°10.9′	2671
15	100°23.7′	3012	80°52.7′	2648	55°05.9′	3030	95°05.2′	2727	84°38.5′	2666
16	99°53.7′	3006	81°25.3′	2643	54°36.1′	3025	95°37.2′	2722	84°06.0′	2661
17	99°23.6′	3001	81°57.9′	2638	54°06.2′	3020	96°09.3′	2717	83°33.5′	2656
18	98°53.6′	2996	82°30.6′	2633	53°36.2′	3015	96°41.4′	2712	83°00.9′	2652
19	98°23.5′	2991	83°03.3′	2629	53°06.3′	3010	97°13.5′	2708	82°28.4′	2647
20	97°53.3′	2985	83°36.1′	2624	52°36.3′	3005	97°45.6′	2703	81°55.7′	2642
21	97°23.2′	2980	84°08.9′	2619	52°06.2′	3000	98°17.8′	2698	81°23.1′	2637
22	96°53.0′	2975	84°41.7′	2614	51°36.2′	2995	98°50.1′	2694	80°50.4′	2632
23	96°22.7′	2969	85°14.6′	2609	51°06.0′	2989	99°22.3′	2689	80°17.7′	2627

Sat Jun 17, 2017 UTC

UTC	-Sun		-Venus		-Aldebaran		+Saturn		+Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	95°52.4'	2964	50°35.9'	2984	79°44.9'	2622	85°47.5'	2604	99°54.7'	2684
1	95°22.1'	2958	50°05.7'	2979	79°12.1'	2617	86°20.4'	2599	100°27.0'	2679
2	94°51.7'	2953	49°35.5'	2973	78°39.2'	2612	86°53.4'	2594	100°59.4'	2674
3	94°21.3'	2947	49°05.2'	2968	78°06.4'	2607	87°26.4'	2589	101°31.8'	2670
4	93°50.9'	2942	48°34.9'	2963	77°33.4'	2602	87°59.5'	2584	102°04.2'	2665
5	93°20.4'	2936	48°04.6'	2957	77°00.5'	2597	88°32.6'	2579	102°36.7'	2660
6	92°49.9'	2931	47°34.3'	2952	76°27.5'	2592	89°05.7'	2574	103°09.2'	2655
7	92°19.4'	2925	47°03.8'	2947	75°54.4'	2587	89°38.9'	2569	103°41.8'	2650
8	91°48.8'	2920	46°33.4'	2941	75°21.4'	2581	90°12.1'	2564	104°14.4'	2646
9	91°18.1'	2914	46°02.9'	2936	74°48.3'	2576	90°45.3'	2558	104°47.0'	2641
10	90°47.5'	2908	45°32.4'	2930	74°15.1'	2571	91°18.6'	2553	105°19.7'	2636
11	90°16.8'	2903	45°01.8'	2925	73°41.9'	2566	91°51.9'	2548	105°52.4'	2631
12	89°46.0'	2897	44°31.2'	2919	73°08.7'	2561	92°25.3'	2543	106°25.1'	2626
13	89°15.2'	2891	44°00.6'	2914	72°35.4'	2555	92°58.7'	2538	106°57.9'	2621
14	88°44.4'	2886	43°29.9'	2908	72°02.1'	2550	93°32.2'	2532	107°30.7'	2616
15	88°13.5'	2880	42°59.2'	2903	71°28.7'	2545	94°05.7'	2527	108°03.5'	2611
16	87°42.6'	2874	42°28.5'	2897	70°55.3'	2539	94°39.2'	2522	108°36.4'	2607
17	87°11.6'	2868	41°57.7'	2892	70°21.9'	2534	95°12.8'	2517	109°09.4'	2602
18	86°40.6'	2863	41°26.9'	2886	69°48.4'	2529	95°46.4'	2511	109°42.3'	2597
19	86°09.6'	2857	40°56.0'	2881	69°14.9'	2523	96°20.0'	2506	110°15.3'	2592
20	85°38.5'	2851	40°25.1'	2875	68°41.3'	2518	96°53.7'	2501	110°48.3'	2587
21	85°07.4'	2845	39°54.1'	2869	68°07.7'	2513	97°27.5'	2495	111°21.4'	2582
22	84°36.2'	2840	39°23.1'	2864	67°34.1'	2507	98°01.2'	2490	111°54.5'	2577
23	84°05.0'	2834	38°52.1'	2858	67°00.4'	2502	98°35.1'	2485	112°27.7'	2573

Sun Jun 18, 2017 UTC

UTC	-Sun		-Venus		-Aldebaran		+Saturn		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	83°33.8'	2828	38°21.0'	2853	66°26.7'	2496	99°08.9'	2479	33°43.5'	3560
1	83°02.5'	2822	37°49.9'	2847	65°52.9'	2491	99°42.8'	2474	34°09.9'	3524
2	82°31.2'	2816	37°18.8'	2841	65°19.1'	2485	100°16.8'	2468	34°36.6'	3489
3	81°59.8'	2810	36°47.6'	2836	64°45.3'	2480	100°50.7'	2463	35°03.4'	3456
4	81°28.4'	2804	36°16.4'	2830	64°11.4'	2475	101°24.8'	2458	35°30.5'	3423
5	80°56.9'	2798	35°45.1'	2824	63°37.4'	2469	101°58.8'	2452	35°57.8'	3392
6	80°25.4'	2793	35°13.8'	2819	63°03.4'	2464	102°33.0'	2447	36°25.3'	3362
7	79°53.9'	2787	34°42.4'	2813	62°29.4'	2458	103°07.1'	2441	36°52.9'	3333
8	79°22.3'	2781	34°11.0'	2808	61°55.4'	2453	103°41.3'	2436	37°20.8'	3305
9	78°50.7'	2775	33°39.6'	2802	61°21.2'	2447	104°15.6'	2430	37°48.8'	3278
10	78°19.0'	2769	33°08.1'	2796	60°47.1'	2442	104°49.8'	2425	38°17.0'	3251
11	77°47.3'	2763	32°36.6'	2791	60°12.9'	2436	105°24.2'	2420	38°45.4'	3226
12	77°15.5'	2757	32°05.1'	2785	59°38.6'	2430	105°58.5'	2414	39°14.0'	3201
13	76°43.7'	2751	31°33.5'	2780	59°04.4'	2425	106°33.0'	2409	39°42.7'	3177
14	76°11.9'	2745	31°01.8'	2774	58°30.0'	2419	107°07.4'	2403	40°11.6'	3154
15	75°40.0'	2739	30°30.2'	2769	57°55.7'	2414	107°41.9'	2398	40°40.6'	3131
16	75°08.1'	2733	29°58.4'	2763	57°21.2'	2408	108°16.5'	2392	41°09.8'	3109
17	74°36.1'	2727	29°26.7'	2758	56°46.8'	2403	108°51.0'	2387	41°39.1'	3088
18	74°04.1'	2722	28°54.9'	2752	56°12.3'	2397	109°25.7'	2381	42°08.5'	3067
19	73°32.0'	2716	28°23.0'	2747	55°37.7'	2392	110°00.4'	2376	42°38.1'	3047
20	72°59.9'	2710	27°51.2'	2741	55°03.1'	2386	110°35.1'	2370	43°07.9'	3028
21	72°27.8'	2704	27°19.3'	2736	54°28.5'	2381	111°09.8'	2365	43°37.8'	3009
22	71°55.6'	2698	26°47.3'	2731	53°53.8'	2375	111°44.6'	2359	44°07.8'	2990
23	71°23.3'	2692	26°15.3'	2726	53°19.1'	2369	112°19.5'	2354	44°37.9'	2972

Mon Jun 19, 2017 UTC

UTC	-Sun		-Aldebaran		-Venus		+Formalhaut		+Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	70°51.0'	2686	52°44.3'	2364	25°43.3'	2720	45°08.2'	2955	112°54.4'	2349
1	70°18.7'	2680	52°09.5'	2358	25°11.2'	2715	45°38.6'	2937	113°29.3'	2343
2	69°46.3'	2674	51°34.7'	2353	24°39.1'	2710	46°09.1'	2921	114°04.3'	2338
3	69°13.9'	2669	50°59.7'	2347	24°06.9'	2705	46°39.7'	2904	114°39.3'	2332
4	68°41.5'	2663	50°24.8'	2342	23°34.8'	2700	47°10.5'	2888	115°14.4'	2327
5	68°09.0'	2657	49°49.8'	2336	23°02.5'	2695	47°41.3'	2873	115°49.5'	2321
6	67°36.4'	2651	49°14.8'	2331	22°30.3'	2690	48°12.3'	2857	116°24.7'	2316
7	67°03.8'	2645	48°39.7'	2325	21°58.0'	2686	48°43.3'	2843	116°59.9'	2311
8	66°31.2'	2639	48°04.6'	2320	21°25.7'	2681	49°14.5'	2828	117°35.1'	2305
9	65°58.5'	2634	47°29.4'	2314	20°53.3'	2677	49°45.8'	2814	118°10.4'	2300
10	65°25.8'	2628	46°54.2'	2309	20°20.9'	2672	50°17.2'	2800	118°45.7'	2295
11	64°53.1'	2622	46°18.9'	2303	19°48.5'	2668	50°48.7'	2786	119°21.1'	2289
12	64°20.3'	2616	45°43.6'	2298	19°16.0'	2664	51°20.3'	2773	119°56.5'	2284
13	63°47.4'	2611	45°08.3'	2293	18°43.5'	2660	51°52.0'	2760	120°32.0'	2279
14	63°14.5'	2605	44°32.9'	2287	18°11.0'	2656	52°23.7'	2747	121°07.5'	2273
15	62°41.6'	2599	43°57.5'	2282	17°38.4'	2653	52°55.6'	2735	121°43.0'	2268
16	62°08.6'	2594	43°22.0'	2277	17°05.9'	2650	53°27.6'	2722	122°18.6'	2263
17	61°35.6'	2588	42°46.5'	2271	16°33.3'	2647	53°59.6'	2710	122°54.3'	2258
18	61°02.5'	2583	42°10.9'	2266	16°00.7'	2644	54°31.8'	2698	123°29.9'	2253
19	60°29.4'	2577	41°35.3'	2261	15°28.0'	2642	55°04.0'	2687	124°05.7'	2248
20	59°56.3'	2572	40°59.6'	2255	14°55.4'	2640	55°36.3'	2676	124°41.4'	2242
21	59°23.1'	2566	40°23.9'	2250	14°22.7'	2638	56°08.7'	2664	125°17.2'	2237
22	58°49.9'	2561	39°48.2'	2245	13°50.0'	2638	56°41.2'	2654	125°53.1'	2232
23	58°16.6'	2555	39°12.4'	2240	13°17.3'	2638	57°13.8'	2643	126°29.0'	2227

Tue Jun 20, 2017 UTC

UTC	-Sun		-Aldebaran		-Venus		+Formalhaut		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	57°43.3'	2550	38°36.6'	2234	12°44.6'	2638	57°46.4'	2632	91°36.5'	2741
1	57°09.9'	2544	38°00.7'	2229	12°11.9'	2640	58°19.2'	2622	92°08.4'	2736
2	56°36.5'	2539	37°24.8'	2224	11°39.3'	2642	58°52.0'	2612	92°40.3'	2732
3	56°03.1'	2534	36°48.8'	2219	11°06.6'	2646	59°24.9'	2602	93°12.3'	2727
4	55°29.6'	2529	36°12.9'	2214	10°34.0'	2652	59°57.8'	2592	93°44.4'	2723
5	54°56.1'	2523	35°36.8'	2209	10°01.4'	2659	60°30.8'	2583	94°16.4'	2718
6	54°22.5'	2518	35°00.7'	2204	9°28.9'	2669	61°04.0'	2574	94°48.5'	2714
7	53°48.9'	2513	34°24.6'	2199	8°56.4'	2682	61°37.1'	2564	95°20.6'	2710
8	53°15.3'	2508	33°48.5'	2194	8°24.1'	2699	62°10.4'	2555	95°52.8'	2707
9	52°41.6'	2503	33°12.3'	2189	7°51.9'	2721	62°43.7'	2546	96°24.9'	2703
10	52°07.9'	2498	32°36.0'	2184	7°19.8'	2750	63°17.1'	2538	96°57.1'	2699
11	51°34.1'	2493	31°59.7'	2179	6°47.9'	2788	63°50.5'	2529	97°29.4'	2696
12	51°00.3'	2488	31°23.4'	2175	6°16.4'	2839	64°24.0'	2521	98°01.6'	2693
13	50°26.5'	2483	30°47.0'	2170	5°45.2'	2907	64°57.6'	2513	98°33.9'	2690
14	49°52.6'	2479	30°10.6'	2165	5°14.4'	3001	65°31.2'	2505	99°06.2'	2687
15	49°18.7'	2474	29°34.2'	2161	-	-	66°05.0'	2497	99°38.5'	2684
16	48°44.8'	2469	28°57.7'	2156	-	-	66°38.7'	2489	100°10.8'	2681
17	48°10.8'	2465	28°21.2'	2151	-	-	67°12.5'	2481	100°43.2'	2679
18	47°36.8'	2460	27°44.6'	2147	-	-	67°46.4'	2474	101°15.6'	2676
19	47°02.7'	2456	27°08.0'	2142	-	-	68°20.4'	2467	101°48.0'	2674
20	46°28.7'	2451	26°31.4'	2138	-	-	68°54.4'	2460	102°20.4'	2672
21	45°54.5'	2447	25°54.7'	2134	-	-	69°28.4'	2452	102°52.8'	2671
22	45°20.4'	2443	25°18.0'	2129	-	-	70°02.5'	2446	103°25.3'	2669
23	44°46.2'	2438	24°41.3'	2125	-	-	70°36.7'	2439	103°57.7'	2667

Wed Jun 21, 2017 UTC

UTC	−Sun		−Aldebaran		+Formalhaut		+Altair		+Achernar	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	44°12.0′	2434	24°04.5′	2121	71°10.9′	2432	104°30.2′	2666	70°55.7′	5530
1	43°37.7′	2430	23°27.6′	2116	71°45.2′	2426	105°02.7′	2665	71°12.5′	5499
2	43°03.4′	2426	22°50.8′	2112	72°19.5′	2419	105°35.1′	2664	71°29.4′	5468
3	42°29.1′	2422	22°13.9′	2108	72°53.9′	2413	106°07.6′	2664	71°46.5′	5437
4	41°54.8′	2418	21°37.0′	2104	73°28.3′	2407	106°40.1′	2663	72°03.6′	5408
5	41°20.4′	2415	21°00.0′	2100	74°02.8′	2401	107°12.6′	2663	72°20.9′	5379
6	40°46.0′	2411	20°23.0′	2096	74°37.3′	2396	107°45.1′	2663	72°38.3′	5351
7	40°11.5′	2407	19°46.0′	2093	75°11.9′	2390	108°17.6′	2663	72°55.8′	5323
8	39°37.1′	2404	19°08.9′	2089	75°46.5′	2384	108°50.1′	2663	73°13.4′	5296
9	39°02.6′	2401	18°31.8′	2085	76°21.1′	2379	109°22.6′	2664	73°31.1′	5270
10	38°28.0′	2397	17°54.7′	2081	76°55.8′	2374	109°55.1′	2665	73°49.0′	5245
11	37°53.5′	2394	17°17.6′	2078	77°30.5′	2369	110°27.6′	2666	74°06.9′	5220
12	37°18.9′	2391	16°40.4′	2074	78°05.3′	2364	111°00.1′	2667	74°24.9′	5195
13	36°44.3′	2388	16°03.2′	2071	78°40.1′	2359	111°32.5′	2669	74°43.1′	5172
14	36°09.7′	2385	15°25.9′	2068	79°15.0′	2354	112°05.0′	2671	75°01.3′	5149
15	35°35.1′	2382	14°48.6′	2064	79°49.9′	2349	112°37.4′	2673	75°19.6′	5126
16	35°00.4′	2380	14°11.4′	2061	80°24.8′	2345	113°09.8′	2675	75°38.1′	5104
17	34°25.7′	2377	13°34.0′	2058	80°59.8′	2341	113°42.2′	2678	75°56.6′	5083
18	33°51.0′	2375	12°56.7′	2055	81°34.8′	2336	114°14.6′	2681	76°15.2′	5062
19	33°16.3′	2372	12°19.3′	2053	82°09.8′	2332	114°47.0′	2684	76°33.9′	5042
20	32°41.5′	2370	11°41.9′	2050	82°44.9′	2328	115°19.3′	2687	76°52.7′	5022
21	32°06.8′	2368	11°04.5′	2047	83°20.0′	2325	115°51.7′	2691	77°11.6′	5003
22	31°32.0′	2366	10°27.0′	2045	83°55.1′	2321	116°23.9′	2695	77°30.5′	4985
23	30°57.2′	2365	9°49.6′	2043	84°30.3′	2317	116°56.2′	2700	77°49.6′	4967

Thu Jun 22, 2017 UTC

UTC	−Aldebaran		+Venus		+Formalhaut		+Altair		+Achernar	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	9°12.1′	2041	14°56.9′	2400	85°05.5′	2314	117°28.4′	2704	78°08.7′	4950
1	8°34.6′	2040	15°31.5′	2393	85°40.7′	2311	118°00.6′	2710	78°27.9′	4933
2	7°57.1′	2038	16°06.0′	2387	86°15.9′	2308	118°32.8′	2715	78°47.2′	4917
3	7°19.5′	2038	16°40.7′	2382	86°51.2′	2305	119°04.9′	2721	79°06.5′	4901
4	6°42.0′	2038	17°15.4′	2376	87°26.5′	2302	119°36.9′	2727	79°25.9′	4886
5	6°04.5′	2039	17°50.1′	2371	88°01.8′	2299	120°09.0′	2734	79°45.4′	4871
6	5°26.9′	2041	18°24.8′	2367	88°37.1′	2296	120°40.9′	2741	80°04.9′	4857
7	4°49.4′	2046	18°59.6′	2362	89°12.5′	2294	121°12.9′	2748	80°24.5′	4843
8	4°12.0′	2054	19°34.4′	2358	89°47.9′	2292	121°44.7′	2756	80°44.2′	4830
9	3°34.6′	2069	20°09.3′	2354	90°23.3′	2289	122°16.5′	2764	81°04.0′	4817
10	2°57.3′	2099	20°44.2′	2350	90°58.7′	2287	122°48.3′	2773	81°23.7′	4805
11	2°20.3′	2163	21°19.1′	2347	91°34.1′	2286	123°20.0′	2782	81°43.6′	4793
12	–	–	21°54.1′	2343	92°09.6′	2284	123°51.6′	2792	82°03.5′	4782
13	–	–	22°29.1′	2340	92°45.0′	2282	124°23.1′	2802	82°23.4′	4771
14	–	–	23°04.1′	2337	93°20.5′	2281	124°54.6′	2812	82°43.4′	4761
15	–	–	23°39.1′	2334	93°56.0′	2279	125°26.0′	2823	83°03.5′	4752
16	–	–	24°14.1′	2332	94°31.5′	2278	125°57.3′	2835	83°23.6′	4742
17	–	–	24°49.2′	2329	95°07.0′	2277	126°28.6′	2848	83°43.7′	4734
18	2°12.1′	2095	25°24.3′	2327	95°42.5′	2276	126°59.7′	2860	84°03.9′	4725
19	2°49.2′	2057	25°59.4′	2325	96°18.1′	2275	127°30.8′	2874	84°24.1′	4718
20	3°26.5′	2036	26°34.5′	2323	96°53.6′	2275	128°01.7′	2888	84°44.3′	4710
21	4°04.1′	2023	27°09.7′	2321	97°29.1′	2274	128°32.6′	2903	85°04.6′	4703
22	4°41.7′	2014	27°44.9′	2319	98°04.7′	2274	129°03.3′	2918	85°24.9′	4697
23	5°19.5′	2007	28°20.0′	2317	98°40.2′	2274	129°34.0′	2934	85°45.3′	4691

Fri Jun 23, 2017 UTC

UTC	+Aldebaran		+Venus		+Formalhaut		+Achernar	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	5°57.3'	2003	28°55.2'	2315	99°15.7'	2274	86°05.7'	4686
1	6°35.1'	1999	29°30.4'	2314	99°51.3'	2274	86°26.1'	4681
2	7°13.0'	1996	30°05.6'	2313	100°26.8'	2274	86°46.5'	4676
3	7°50.9'	1994	30°40.9'	2311	101°02.4'	2275	87°06.9'	4672
4	8°28.8'	1992	31°16.1'	2310	101°37.9'	2276	87°27.4'	4669
5	9°06.7'	1990	31°51.4'	2309	102°13.4'	2276	87°47.9'	4666
6	9°44.6'	1989	32°26.6'	2308	102°49.0'	2277	88°08.3'	4663
7	10°22.6'	1988	33°01.9'	2308	103°24.5'	2278	88°28.8'	4661
8	11°00.6'	1987	33°37.1'	2307	103°60.0'	2280	88°49.4'	4659
9	11°38.5'	1986	34°12.4'	2306	104°35.5'	2281	89°09.9'	4658
10	12°16.5'	1986	34°47.7'	2306	105°11.0'	2283	89°30.4'	4657
11	12°54.5'	1985	35°23.0'	2306	105°46.4'	2285	89°50.9'	4657
12	13°32.5'	1985	35°58.3'	2305	106°21.9'	2287	90°11.5'	4657
13	14°10.5'	1985	36°33.6'	2305	106°57.3'	2289	90°32.0'	4658
14	14°48.5'	1985	37°08.8'	2305	107°32.7'	2291	90°52.5'	4659
15	15°26.5'	1985	37°44.1'	2305	108°08.1'	2294	91°13.1'	4660
16	16°04.4'	1985	38°19.4'	2306	108°43.5'	2296	91°33.6'	4662
17	16°42.4'	1985	38°54.7'	2306	109°18.9'	2299	91°54.1'	4665
18	17°20.4'	1985	39°30.0'	2306	109°54.2'	2302	92°14.6'	4668
19	17°58.4'	1986	40°05.3'	2307	110°29.5'	2305	92°35.1'	4671
20	18°36.4'	1986	40°40.5'	2307	111°04.8'	2309	92°55.5'	4675
21	19°14.4'	1987	41°15.8'	2308	111°40.1'	2312	93°16.0'	4679
22	19°52.3'	1988	41°51.1'	2309	112°15.3'	2316	93°36.4'	4684
23	20°30.3'	1989	42°26.3'	2310	112°50.5'	2320	93°56.8'	4689

Sun Jun 25, 2017 UTC

UTC	-Regulus		-Jupiter		-Spica		-Arcturus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	43°53.2'	2038	87°19.9'	2055	97°38.1'	2066	98°39.7'	2525
1	43°15.6'	2041	86°42.5'	2058	97°00.8'	2069	98°06.1'	2526
2	42°38.1'	2044	86°05.2'	2061	96°23.6'	2072	97°32.6'	2528
3	42°00.7'	2047	85°27.9'	2065	95°46.3'	2075	96°59.1'	2530
4	41°23.2'	2051	84°50.6'	2068	95°09.1'	2078	96°25.6'	2532
5	40°45.8'	2054	84°13.3'	2072	94°31.9'	2082	95°52.1'	2534
6	40°08.4'	2058	83°36.0'	2075	93°54.8'	2085	95°18.6'	2537
7	39°31.1'	2061	82°58.8'	2079	93°17.6'	2089	94°45.1'	2539
8	38°53.7'	2065	82°21.7'	2082	92°40.6'	2092	94°11.7'	2542
9	38°16.4'	2068	81°44.5'	2086	92°03.5'	2096	93°38.3'	2545
10	37°39.2'	2072	81°07.4'	2090	91°26.5'	2099	93°04.9'	2548
11	37°01.9'	2076	80°30.3'	2094	90°49.5'	2103	92°31.5'	2551
12	36°24.7'	2080	79°53.3'	2098	90°12.5'	2107	91°58.2'	2555
13	35°47.6'	2084	79°16.2'	2102	89°35.6'	2111	91°24.9'	2559
14	35°10.4'	2088	78°39.3'	2106	88°58.7'	2115	90°51.6'	2562
15	34°33.3'	2092	78°02.3'	2110	88°21.8'	2119	90°18.3'	2566
16	33°56.2'	2096	77°25.4'	2114	87°45.0'	2123	89°45.1'	2571
17	33°19.2'	2100	76°48.5'	2118	87°08.2'	2127	89°11.9'	2575
18	32°42.2'	2104	76°11.7'	2123	86°31.4'	2132	88°38.7'	2579
19	32°05.3'	2109	75°34.9'	2127	85°54.7'	2136	88°05.6'	2584
20	31°28.3'	2113	74°58.1'	2131	85°18.0'	2141	87°32.5'	2589
21	30°51.5'	2117	74°21.4'	2136	84°41.3'	2145	86°59.5'	2594
22	30°14.6'	2122	73°44.7'	2140	84°04.7'	2150	86°26.4'	2599
23	29°37.8'	2126	73°08.0'	2145	83°28.1'	2154	85°53.5'	2604

Mon Jun 26, 2017 UTC

UTC	-Regulus		-Jupiter		-Spica		-Arcturus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	29°01.0'	2131	72°31.4'	2150	82°51.6'	2159	85°20.5'	2610
1	28°24.3'	2136	71°54.9'	2155	82°15.1'	2164	84°47.6'	2615
2	27°47.6'	2140	71°18.3'	2159	81°38.6'	2168	84°14.8'	2621
3	27°10.9'	2145	70°41.8'	2164	81°02.2'	2173	83°41.9'	2627
4	26°34.3'	2150	70°05.4'	2169	80°25.9'	2178	83°09.2'	2633
5	25°57.8'	2155	69°29.0'	2174	79°49.5'	2183	82°36.4'	2639
6	25°21.2'	2160	68°52.6'	2179	79°13.2'	2188	82°03.8'	2645
7	24°44.7'	2165	68°16.3'	2184	78°37.0'	2193	81°31.1'	2652
8	24°08.3'	2170	67°40.0'	2189	78°00.8'	2199	80°58.6'	2659
9	23°31.9'	2175	67°03.7'	2195	77°24.6'	2204	80°26.0'	2665
10	22°55.5'	2180	66°27.5'	2200	76°48.5'	2209	79°53.5'	2672
11	22°19.2'	2185	65°51.4'	2205	76°12.4'	2215	79°21.1'	2680
12	21°42.9'	2191	65°15.3'	2210	75°36.4'	2220	78°48.7'	2687
13	21°06.7'	2196	64°39.2'	2216	75°00.4'	2225	78°16.4'	2694
14	20°30.5'	2201	64°03.2'	2221	74°24.4'	2231	77°44.2'	2702
15	19°54.4'	2206	63°27.2'	2227	73°48.5'	2236	77°12.0'	2710
16	19°18.3'	2212	62°51.3'	2232	73°12.7'	2242	76°39.8'	2717
17	18°42.2'	2217	62°15.4'	2238	72°36.9'	2248	76°07.7'	2726
18	18°06.2'	2223	61°39.5'	2243	72°01.1'	2253	75°35.7'	2734
19	17°30.2'	2228	61°03.7'	2249	71°25.4'	2259	75°03.7'	2742
20	16°54.3'	2234	60°28.0'	2255	70°49.7'	2265	74°31.8'	2751
21	16°18.4'	2240	59°52.3'	2260	70°14.1'	2271	73°59.9'	2759
22	15°42.6'	2245	59°16.6'	2266	69°38.6'	2277	73°28.2'	2768
23	15°06.8'	2251	58°41.0'	2272	69°03.0'	2283	72°56.4'	2777

Tue Jun 27, 2017 UTC

UTC	+Sun		-Regulus		+Pollux		-Jupiter		-Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	40°04.0'	2583	14°31.1'	2257	23°22.0'	2648	58°05.5'	2278	68°27.6'	2288
1	40°37.1'	2588	13°55.4'	2262	23°54.6'	2636	57°30.0'	2284	67°52.1'	2294
2	41°10.1'	2594	13°19.8'	2268	24°27.3'	2625	56°54.5'	2290	67°16.8'	2301
3	41°43.1'	2600	12°44.2'	2274	25°00.1'	2615	56°19.1'	2296	66°41.4'	2307
4	42°16.1'	2605	12°08.6'	2280	25°32.9'	2606	55°43.7'	2302	66°06.2'	2313
5	42°49.0'	2611	11°33.1'	2286	26°05.9'	2599	55°08.4'	2308	65°30.9'	2319
6	43°21.9'	2617	10°57.7'	2291	26°38.8'	2592	54°33.1'	2314	64°55.8'	2325
7	43°54.8'	2623	10°22.3'	2297	27°11.9'	2586	53°57.9'	2320	64°20.6'	2331
8	44°27.6'	2629	9°46.9'	2303	27°44.9'	2581	53°22.7'	2326	63°45.6'	2338
9	45°00.3'	2635	9°11.6'	2309	28°18.1'	2577	52°47.6'	2332	63°10.5'	2344
10	45°33.0'	2641	8°36.4'	2315	28°51.2'	2573	52°12.6'	2338	62°35.6'	2350
11	46°05.7'	2647	8°01.2'	2321	29°24.4'	2570	51°37.5'	2344	62°00.6'	2357
12	46°38.3'	2653	7°26.0'	2327	29°57.6'	2567	51°02.6'	2350	61°25.8'	2363
13	47°10.9'	2659	6°50.9'	2333	30°30.8'	2565	50°27.6'	2357	60°50.9'	2370
14	47°43.4'	2665	6°15.9'	2339	31°04.1'	2563	49°52.8'	2363	60°16.2'	2376
15	48°15.9'	2671	5°40.8'	2345	31°37.3'	2562	49°17.9'	2369	59°41.5'	2383
16	48°48.3'	2678	5°05.9'	2352	32°10.6'	2561	48°43.2'	2375	59°06.8'	2389
17	49°20.7'	2684	4°31.0'	2358	32°43.8'	2561	48°08.4'	2382	58°32.2'	2396
18	49°53.1'	2690	3°56.1'	2364	33°17.1'	2561	47°33.8'	2388	57°57.6'	2402
19	50°25.4'	2696	3°21.3'	2370	33°50.4'	2561	46°59.2'	2395	57°23.1'	2409
20	50°57.6'	2703	2°46.5'	2376	34°23.7'	2562	46°24.6'	2401	56°48.7'	2416
21	51°29.8'	2709	2°11.8'	2383	34°56.9'	2563	45°50.1'	2407	56°14.3'	2423
22	52°02.0'	2715	1°37.1'	2390	35°30.2'	2564	45°15.6'	2414	55°39.9'	2429
23	52°34.1'	2722	1°02.5'	2399	36°03.4'	2565	44°41.2'	2420	55°05.6'	2436

Wed Jun 28, 2017 UTC

UTC	+Sun		-Jupiter		+Pollux		-Spica		+Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	53°06.1'	2728	44°06.8'	2427	36°36.7'	2567	54°31.4'	2443	36°59.1'	2748
1	53°38.2'	2735	43°32.5'	2433	37°09.9'	2569	53°57.2'	2450	37°31.0'	2746
2	54°10.1'	2741	42°58.2'	2440	37°43.1'	2571	53°23.1'	2457	38°02.8'	2743
3	54°42.0'	2748	42°24.0'	2446	38°16.3'	2573	52°49.0'	2463	38°34.7'	2741
4	55°13.9'	2754	41°49.9'	2453	38°49.5'	2576	52°14.9'	2470	39°06.7'	2740
5	55°45.7'	2760	41°15.7'	2459	39°22.6'	2578	51°41.0'	2477	39°38.6'	2739
6	56°17.5'	2767	40°41.7'	2466	39°55.8'	2581	51°07.1'	2484	40°10.5'	2738
7	56°49.2'	2773	40°07.7'	2472	40°28.9'	2584	50°33.2'	2491	40°42.5'	2737
8	57°20.9'	2780	39°33.7'	2479	41°02.0'	2587	49°59.4'	2498	41°14.4'	2737
9	57°52.6'	2787	38°59.8'	2485	41°35.0'	2590	49°25.6'	2505	41°46.4'	2737
10	58°24.1'	2793	38°26.0'	2492	42°08.1'	2594	48°51.9'	2512	42°18.3'	2737
11	58°55.7'	2800	37°52.2'	2498	42°41.1'	2597	48°18.3'	2520	42°50.3'	2737
12	59°27.2'	2806	37°18.4'	2505	43°14.1'	2601	47°44.7'	2527	43°22.2'	2738
13	59°58.6'	2813	36°44.7'	2512	43°47.1'	2604	47°11.2'	2534	43°54.2'	2739
14	60°30.0'	2819	36°11.1'	2518	44°20.0'	2608	46°37.7'	2541	44°26.1'	2740
15	61°01.4'	2826	35°37.5'	2525	44°52.9'	2612	46°04.3'	2548	44°58.0'	2741
16	61°32.7'	2832	35°03.9'	2532	45°25.8'	2616	45°30.9'	2556	45°29.9'	2743
17	62°03.9'	2839	34°30.4'	2538	45°58.7'	2620	44°57.6'	2563	46°01.8'	2744
18	62°35.1'	2845	33°57.0'	2545	46°31.5'	2624	44°24.3'	2570	46°33.7'	2746
19	63°06.3'	2852	33°23.6'	2552	47°04.3'	2628	43°51.1'	2578	47°05.6'	2748
20	63°37.4'	2858	32°50.2'	2558	47°37.0'	2633	43°18.0'	2585	47°37.5'	2750
21	64°08.5'	2865	32°16.9'	2565	48°09.7'	2637	42°44.9'	2593	48°09.3'	2753
22	64°39.5'	2871	31°43.7'	2572	48°42.4'	2641	42°11.9'	2600	48°41.2'	2755
23	65°10.5'	2878	31°10.5'	2579	49°15.1'	2646	41°38.9'	2608	49°13.0'	2758

Thu Jun 29, 2017 UTC

UTC	+Sun		+Regulus		-Jupiter		-Spica		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	65°41.4'	2884	13°07.0'	2550	30°37.4'	2585	41°06.0'	2615	49°47.7'	2650
1	66°12.3'	2891	13°40.4'	2556	30°04.3'	2592	40°33.1'	2623	50°20.3'	2655
2	66°43.1'	2897	14°13.7'	2562	29°31.3'	2599	40°00.3'	2630	50°52.9'	2659
3	67°13.9'	2904	14°47.0'	2568	28°58.3'	2606	39°27.6'	2638	51°25.4'	2664
4	67°44.7'	2910	15°20.2'	2574	28°25.4'	2613	38°54.9'	2646	51°57.9'	2669
5	68°15.4'	2917	15°53.3'	2580	27°52.5'	2619	38°22.3'	2654	52°30.3'	2673
6	68°46.0'	2923	16°26.5'	2587	27°19.7'	2626	37°49.7'	2662	53°02.8'	2678
7	69°16.6'	2929	16°59.5'	2593	26°46.9'	2633	37°17.2'	2670	53°35.1'	2683
8	69°47.2'	2936	17°32.6'	2599	26°14.2'	2640	36°44.8'	2678	54°07.5'	2688
9	70°17.7'	2942	18°05.5'	2605	25°41.5'	2647	36°12.4'	2686	54°39.8'	2692
10	70°48.2'	2949	18°38.5'	2611	25°08.9'	2654	35°40.0'	2694	55°12.1'	2697
11	71°18.6'	2955	19°11.4'	2617	24°36.3'	2661	35°07.8'	2702	55°44.3'	2702
12	71°49.0'	2961	19°44.2'	2622	24°03.8'	2668	34°35.6'	2711	56°16.5'	2707
13	72°19.3'	2968	20°17.0'	2628	23°31.3'	2675	34°03.4'	2719	56°48.7'	2712
14	72°49.6'	2974	20°49.8'	2634	22°58.9'	2683	33°31.4'	2728	57°20.8'	2717
15	73°19.9'	2980	21°22.5'	2640	22°26.6'	2690	32°59.3'	2736	57°52.9'	2722
16	73°50.1'	2986	21°55.2'	2646	21°54.3'	2697	32°27.4'	2745	58°25.0'	2726
17	74°20.3'	2992	22°27.8'	2652	21°22.0'	2705	31°55.5'	2754	58°57.0'	2731
18	74°50.4'	2999	23°00.4'	2658	20°49.9'	2712	31°23.7'	2763	59°29.0'	2736
19	75°20.5'	3005	23°32.9'	2663	20°17.7'	2720	30°51.9'	2772	60°01.0'	2741
20	75°50.5'	3011	24°05.4'	2669	19°45.7'	2728	30°20.2'	2781	60°32.9'	2746
21	76°20.5'	3017	24°37.9'	2675	19°13.6'	2736	29°48.6'	2791	61°04.8'	2751
22	76°50.5'	3023	25°10.3'	2680	18°41.7'	2744	29°17.0'	2800	61°36.6'	2756
23	77°20.4'	3029	25°42.6'	2686	18°09.8'	2752	28°45.6'	2810	62°08.4'	2761

Fri Jun 30, 2017 UTC

UTC	+Sun		-Jupiter		+Regulus		-Spica		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	77°50.2'	3035	17°38.0'	2761	26°15.0'	2692	28°14.1'	2820	62°40.2'	2766
1	78°20.1'	3041	17°06.2'	2770	26°47.2'	2697	27°42.8'	2831	63°11.9'	2771
2	78°49.9'	3047	16°34.5'	2779	27°19.5'	2703	27°11.5'	2841	63°43.6'	2776
3	79°19.6'	3053	16°02.8'	2788	27°51.7'	2708	26°40.3'	2852	64°15.3'	2780
4	79°49.3'	3059	15°31.2'	2798	28°23.8'	2714	26°09.2'	2863	64°46.9'	2785
5	80°19.0'	3065	14°59.7'	2808	28°56.0'	2719	25°38.2'	2874	65°18.5'	2790
6	80°48.6'	3070	14°28.3'	2818	29°28.0'	2725	25°07.2'	2886	65°50.1'	2795
7	81°18.2'	3076	13°57.0'	2829	30°00.1'	2730	24°36.4'	2898	66°21.6'	2800
8	81°47.7'	3082	13°25.7'	2841	30°32.1'	2736	24°05.6'	2911	66°53.1'	2805
9	82°17.2'	3088	12°54.5'	2854	31°04.0'	2741	23°34.9'	2924	67°24.6'	2810
10	82°46.7'	3093	12°23.4'	2867	31°36.0'	2746	23°04.3'	2937	67°56.0'	2814
11	83°16.1'	3099	11°52.4'	2882	32°07.8'	2752	22°33.8'	2951	68°27.4'	2819
12	83°45.5'	3105	11°21.5'	2898	32°39.7'	2757	22°03.4'	2966	68°58.7'	2824
13	84°14.9'	3110	10°50.7'	2915	33°11.5'	2762	21°33.1'	2981	69°30.0'	2829
14	84°44.2'	3116	10°20.0'	2934	33°43.2'	2767	21°02.8'	2997	70°01.3'	2833
15	85°13.5'	3121	9°49.5'	2956	34°15.0'	2772	20°32.8'	3014	70°32.6'	2838
16	85°42.7'	3127	9°19.1'	2980	34°46.7'	2777	20°02.8'	3031	71°03.8'	2843
17	86°11.9'	3132	8°48.9'	3008	35°18.3'	2782	19°32.9'	3050	71°35.0'	2847
18	86°41.1'	3138	8°18.9'	3041	35°49.9'	2787	19°03.2'	3069	72°06.1'	2852
19	87°10.2'	3143	7°49.1'	3079	36°21.5'	2792	18°33.6'	3090	72°37.2'	2857
20	87°39.3'	3148	7°19.6'	3125	36°53.1'	2797	18°04.1'	3112	73°08.3'	2861
21	88°08.4'	3154	6°50.4'	3180	37°24.6'	2802	17°34.8'	3136	73°39.3'	2866
22	88°37.4'	3159	6°21.5'	3249	37°56.0'	2807	17°05.7'	3162	74°10.4'	2870
23	89°06.4'	3164	5°53.1'	3335	38°27.5'	2812	16°36.7'	3189	74°41.3'	2875