

Fri Sep 1, 2017 UTC

UTC	+Sun		+Saturn		+Antares		+Spica		-Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	118°57.9'	3396	16°46.3'	3132	29°00.2'	3301	73°54.2'	3060	60°31.4'	3400
1	119°25.3'	3394	17°15.5'	3124	29°28.2'	3291	74°23.8'	3058	60°04.0'	3402
2	119°52.8'	3392	17°44.7'	3117	29°56.4'	3281	74°53.5'	3056	59°36.6'	3404
3	120°20.3'	3390	18°14.0'	3111	30°24.6'	3271	75°23.2'	3054	59°09.2'	3406
4	120°47.8'	3387	18°43.3'	3104	30°52.8'	3262	75°52.9'	3052	58°41.8'	3408
5	121°15.3'	3385	19°12.7'	3098	31°21.1'	3253	76°22.6'	3049	58°14.4'	3410
6	121°42.8'	3383	19°42.1'	3093	31°49.5'	3244	76°52.3'	3047	57°47.0'	3412
7	122°10.3'	3380	20°11.5'	3087	32°17.9'	3236	77°22.1'	3045	57°19.7'	3414
8	122°37.9'	3378	20°41.0'	3082	32°46.4'	3228	77°51.8'	3042	56°52.3'	3416
9	123°05.4'	3375	21°10.5'	3077	33°14.9'	3220	78°21.6'	3040	56°25.0'	3419
10	123°33.0'	3373	21°40.0'	3071	33°43.5'	3212	78°51.4'	3037	55°57.7'	3421
11	124°00.6'	3370	22°09.6'	3067	34°12.2'	3204	79°21.2'	3035	55°30.4'	3424
12	124°28.2'	3368	22°39.2'	3062	34°40.9'	3197	79°51.1'	3032	55°03.1'	3427
13	124°55.8'	3365	23°08.9'	3057	35°09.6'	3190	80°20.9'	3030	54°35.9'	3429
14	125°23.5'	3362	23°38.6'	3053	35°38.4'	3182	80°50.8'	3027	54°08.6'	3432
15	125°51.2'	3360	24°08.3'	3048	36°07.2'	3175	81°20.7'	3024	53°41.4'	3435
16	126°18.8'	3357	24°38.0'	3044	36°36.1'	3169	81°50.6'	3022	53°14.2'	3439
17	126°46.5'	3354	25°07.8'	3039	37°05.0'	3162	82°20.5'	3019	52°47.0'	3442
18	127°14.3'	3351	25°37.6'	3035	37°34.0'	3155	82°50.4'	3016	52°19.9'	3445
19	127°42.0'	3348	26°07.4'	3031	38°03.0'	3149	83°20.4'	3014	51°52.7'	3449
20	128°09.7'	3345	26°37.3'	3027	38°32.1'	3143	83°50.4'	3011	51°25.6'	3453
21	128°37.5'	3343	27°07.2'	3022	39°01.2'	3136	84°20.4'	3008	50°58.5'	3457
22	129°05.3'	3340	27°37.1'	3018	39°30.3'	3130	84°50.4'	3005	50°31.5'	3461
23	129°33.1'	3336	28°07.0'	3014	39°59.5'	3124	85°20.4'	3002	50°04.4'	3466

Sat Sep 2, 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	28°37.0'	3010	40°28.7'	3118	49°37.4'	3470	85°50.5'	2999	87°34.2'	3045
1	29°07.0'	3006	40°58.0'	3112	49°10.4'	3475	86°20.6'	2996	88°04.0'	3042
2	29°37.0'	3002	41°27.3'	3106	48°43.5'	3480	86°50.6'	2993	88°33.7'	3039
3	30°07.1'	2998	41°56.6'	3101	48°16.5'	3485	87°20.8'	2990	89°03.5'	3036
4	30°37.2'	2994	42°26.0'	3095	47°49.6'	3491	87°50.9'	2987	89°33.4'	3033
5	31°07.3'	2990	42°55.4'	3089	47°22.8'	3496	88°21.1'	2984	90°03.2'	3030
6	31°37.4'	2987	43°24.9'	3084	46°56.0'	3502	88°51.2'	2981	90°33.1'	3026
7	32°07.6'	2983	43°54.4'	3078	46°29.2'	3509	89°21.4'	2978	91°03.0'	3023
8	32°37.8'	2979	44°23.9'	3073	46°02.4'	3515	89°51.7'	2975	91°32.9'	3020
9	33°08.0'	2975	44°53.5'	3067	45°35.7'	3522	90°21.9'	2972	92°02.8'	3017
10	33°38.2'	2971	45°23.1'	3062	45°09.0'	3529	90°52.2'	2969	92°32.8'	3014
11	34°08.5'	2967	45°52.7'	3057	44°42.4'	3537	91°22.5'	2965	93°02.7'	3010
12	34°38.8'	2963	46°22.4'	3052	44°15.8'	3544	91°52.8'	2962	93°32.7'	3007
13	35°09.1'	2959	46°52.1'	3046	43°49.3'	3553	92°23.1'	2959	94°02.8'	3004
14	35°39.5'	2955	47°21.9'	3041	43°22.8'	3561	92°53.5'	2956	94°32.8'	3001
15	36°09.9'	2951	47°51.7'	3036	42°56.4'	3570	93°23.9'	2952	95°02.9'	2997
16	36°40.3'	2948	48°21.5'	3031	42°30.0'	3579	93°54.3'	2949	95°33.0'	2994
17	37°10.7'	2944	48°51.4'	3026	42°03.7'	3589	94°24.7'	2946	96°03.1'	2990
18	37°41.2'	2940	49°21.2'	3021	41°37.5'	3600	94°55.1'	2942	96°33.2'	2987
19	38°11.7'	2936	49°51.2'	3016	41°11.3'	3610	95°25.6'	2939	97°03.4'	2984
20	38°42.2'	2932	50°21.1'	3011	40°45.1'	3622	95°56.1'	2935	97°33.6'	2980
21	39°12.7'	2928	50°51.1'	3006	40°19.1'	3634	96°26.6'	2932	98°03.8'	2977
22	39°43.3'	2924	51°21.2'	3001	39°53.1'	3646	96°57.2'	2928	98°34.0'	2973
23	40°13.9'	2920	51°51.2'	2996	39°27.2'	3659	97°27.8'	2925	99°04.3'	2970

Sun Sep 3, 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	40°44.5'	2916	52°21.3'	2991	39°01.3'	3673	97°58.4'	2922	99°34.6'	2966
1	41°15.2'	2912	52°51.5'	2986	38°35.6'	3687	98°29.0'	2918	100°04.9'	2962
2	41°45.9'	2908	53°21.6'	2981	38°09.9'	3702	98°59.6'	2915	100°35.2'	2959
3	42°16.6'	2904	53°51.9'	2976	37°44.3'	3718	99°30.3'	2911	101°05.5'	2955
4	42°47.3'	2900	54°22.1'	2971	37°18.8'	3734	100°01.0'	2907	101°35.9'	2952
5	43°18.1'	2896	54°52.4'	2966	36°53.4'	3751	100°31.7'	2904	102°06.3'	2948
6	43°48.9'	2892	55°22.7'	2961	36°28.1'	3769	101°02.4'	2900	102°36.8'	2944
7	44°19.7'	2888	55°53.0'	2957	36°03.0'	3788	101°33.2'	2897	103°07.2'	2940
8	44°50.6'	2884	56°23.4'	2952	35°37.9'	3808	102°04.0'	2893	103°37.7'	2937
9	45°21.5'	2880	56°53.8'	2947	35°12.9'	3829	102°34.8'	2890	104°08.2'	2933
10	45°52.4'	2876	57°24.2'	2942	34°48.1'	3852	103°05.7'	2886	104°38.8'	2929
11	46°23.3'	2872	57°54.7'	2938	34°23.4'	3875	103°36.5'	2882	105°09.3'	2926
12	46°54.3'	2868	58°25.2'	2933	33°58.8'	3899	104°07.4'	2879	105°39.9'	2922
13	47°25.3'	2864	58°55.7'	2928	33°34.3'	3925	104°38.4'	2875	106°10.5'	2918
14	47°56.3'	2860	59°26.3'	2923	33°10.0'	3952	105°09.3'	2871	106°41.2'	2914
15	48°27.4'	2856	59°56.9'	2919	32°45.9'	3980	105°40.3'	2868	107°11.9'	2910
16	48°58.4'	2852	60°27.6'	2914	32°21.9'	4010	106°11.3'	2864	107°42.6'	2907
17	49°29.6'	2848	60°58.2'	2909	31°58.0'	4041	106°42.3'	2860	108°13.3'	2903
18	50°00.7'	2844	61°28.9'	2905	31°34.4'	4074	107°13.4'	2857	108°44.0'	2899
19	50°31.9'	2840	61°59.7'	2900	31°10.9'	4109	107°44.4'	2853	109°14.8'	2895
20	51°03.1'	2836	62°30.5'	2895	30°47.6'	4146	108°15.6'	2849	109°45.6'	2891
21	51°34.3'	2832	63°01.3'	2891	30°24.5'	4185	108°46.7'	2846	110°16.5'	2887
22	52°05.5'	2828	63°32.1'	2886	30°01.6'	4226	109°17.8'	2842	110°47.3'	2883
23	52°36.8'	2824	64°03.0'	2882	29°38.9'	4269	109°49.0'	2838	111°18.2'	2879

Mon Sep 4, 2017 UTC

UTC	+Saturn		+Antares		+Spica		-Aldebaran		+Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	53°08.2'	2820	64°33.9'	2877	110°20.2'	2834	115°36.0'	2802	111°49.1'	2876
1	53°39.5'	2816	65°04.8'	2872	110°51.5'	2831	115°04.5'	2798	112°20.1'	2872
2	54°10.9'	2812	65°35.8'	2868	111°22.8'	2827	114°33.0'	2794	112°51.0'	2868
3	54°42.3'	2807	66°06.8'	2863	111°54.0'	2823	114°01.5'	2790	113°22.0'	2864
4	55°13.7'	2803	66°37.8'	2859	112°25.4'	2820	113°29.9'	2786	113°53.1'	2860
5	55°45.2'	2799	67°08.9'	2854	112°56.7'	2816	112°58.4'	2782	114°24.1'	2856
6	56°16.7'	2795	67°40.0'	2850	113°28.1'	2812	112°26.7'	2778	114°55.2'	2852
7	56°48.2'	2791	68°11.1'	2845	113°59.5'	2809	111°55.1'	2774	115°26.3'	2848
8	57°19.7'	2787	68°42.3'	2841	114°30.9'	2805	111°23.4'	2770	115°57.5'	2844
9	57°51.3'	2783	69°13.4'	2836	115°02.4'	2801	110°51.7'	2766	116°28.6'	2840
10	58°22.9'	2779	69°44.7'	2832	115°33.8'	2798	110°20.0'	2762	116°59.8'	2836
11	58°54.6'	2775	70°15.9'	2827	116°05.3'	2794	109°48.2'	2758	117°31.1'	2832
12	59°26.3'	2771	70°47.2'	2823	116°36.9'	2790	109°16.4'	2754	118°02.3'	2828
13	59°58.0'	2766	71°18.5'	2819	117°08.4'	2787	108°44.6'	2750	118°33.6'	2825
14	60°29.7'	2762	71°49.9'	2814	117°40.0'	2783	108°12.7'	2746	119°04.9'	2821
15	61°01.5'	2758	72°21.3'	2810	118°11.6'	2779	107°40.8'	2742	119°36.3'	2817
16	61°33.2'	2754	72°52.7'	2805	118°43.3'	2776	107°08.9'	2738	120°07.6'	2813
17	62°05.1'	2750	73°24.2'	2801	119°14.9'	2772	106°37.0'	2734	120°39.0'	2809
18	62°36.9'	2746	73°55.6'	2797	119°46.6'	2769	106°05.0'	2730	121°10.4'	2805
19	63°08.8'	2742	74°27.1'	2792	120°18.3'	2765	105°33.0'	2726	121°41.9'	2801
20	63°40.7'	2738	74°58.7'	2788	120°50.1'	2761	105°01.0'	2722	122°13.4'	2797
21	64°12.7'	2734	75°30.3'	2784	121°21.9'	2758	104°28.9'	2718	122°44.9'	2793
22	64°44.6'	2730	76°01.9'	2779	121°53.7'	2754	103°56.9'	2714	123°16.4'	2789
23	65°16.6'	2726	76°33.5'	2775	122°25.5'	2751	103°24.7'	2710	123°48.0'	2785

Tue Sep 5, 2017 UTC

UTC	+Saturn		+Antares		-Aldebaran		+Altair		-Rigel	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	65°48.7'	2722	77°05.2'	2771	102°52.6'	2706	38°01.2'	4423	106°53.2'	3227
1	66°20.7'	2718	77°36.9'	2766	102°20.4'	2702	38°22.8'	4378	106°24.6'	3220
2	66°52.8'	2714	78°08.6'	2762	101°48.2'	2698	38°44.7'	4335	105°56.1'	3213
3	67°24.9'	2710	78°40.4'	2758	101°16.0'	2694	39°06.9'	4293	105°27.4'	3206
4	67°57.1'	2706	79°12.2'	2754	100°43.7'	2690	39°29.2'	4252	104°58.7'	3200
5	68°29.3'	2702	79°44.0'	2750	100°11.4'	2686	39°51.7'	4212	104°30.0'	3193
6	69°01.5'	2698	80°15.9'	2745	99°39.1'	2682	40°14.5'	4174	104°01.3'	3187
7	69°33.7'	2694	80°47.7'	2741	99°06.7'	2678	40°37.4'	4137	103°32.5'	3181
8	70°06.0'	2690	81°19.7'	2737	98°34.4'	2674	41°00.6'	4102	103°03.6'	3175
9	70°38.3'	2686	81°51.6'	2733	98°01.9'	2670	41°23.9'	4067	102°34.7'	3169
10	71°10.6'	2682	82°23.6'	2729	97°29.5'	2667	41°47.4'	4033	102°05.8'	3163
11	71°43.0'	2678	82°55.6'	2725	96°57.0'	2663	42°11.1'	4001	101°36.8'	3157
12	72°15.4'	2674	83°27.6'	2721	96°24.5'	2659	42°35.0'	3969	101°07.8'	3151
13	72°47.8'	2670	83°59.7'	2717	95°52.0'	2655	42°59.1'	3938	100°38.8'	3146
14	73°20.2'	2666	84°31.8'	2713	95°19.4'	2651	43°23.3'	3909	100°09.7'	3140
15	73°52.7'	2662	85°03.9'	2709	94°46.8'	2647	43°47.7'	3880	99°40.6'	3135
16	74°25.2'	2658	85°36.1'	2705	94°14.2'	2643	44°12.2'	3852	99°11.4'	3129
17	74°57.7'	2654	86°08.3'	2701	93°41.6'	2639	44°36.9'	3825	98°42.3'	3124
18	75°30.3'	2650	86°40.5'	2697	93°08.9'	2635	45°01.8'	3798	98°13.0'	3119
19	76°02.9'	2646	87°12.7'	2693	92°36.2'	2632	45°26.8'	3773	97°43.8'	3114
20	76°35.5'	2643	87°45.0'	2689	92°03.5'	2628	45°52.0'	3748	97°14.5'	3109
21	77°08.2'	2639	88°17.3'	2685	91°30.7'	2624	46°17.3'	3723	96°45.1'	3104
22	77°40.9'	2635	88°49.6'	2682	90°57.9'	2620	46°42.8'	3700	96°15.8'	3099
23	78°13.6'	2631	89°22.0'	2678	90°25.1'	2616	47°08.4'	3677	95°46.4'	3094

Wed Sep 6, 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	78°46.3'	2627	89°52.3'	2613	89°54.4'	2674	107°47.1'	2713	47°34.1'	3655
1	79°19.1'	2624	89°19.4'	2609	90°26.8'	2670	107°15.0'	2709	47°00.0'	3633
2	79°51.9'	2620	88°46.5'	2605	90°59.2'	2667	106°42.8'	2704	48°26.0'	3612
3	80°24.7'	2616	88°13.5'	2601	91°31.7'	2663	106°10.7'	2700	48°52.1'	3591
4	80°57.5'	2612	87°40.6'	2598	92°04.2'	2659	105°38.4'	2696	49°18.3'	3571
5	81°30.4'	2609	87°07.6'	2594	92°36.7'	2656	105°06.2'	2692	49°44.7'	3552
6	82°03.3'	2605	86°34.6'	2590	93°09.3'	2652	104°33.9'	2687	50°11.2'	3533
7	82°36.3'	2601	86°01.5'	2587	93°41.9'	2648	104°01.6'	2683	50°37.8'	3514
8	83°09.2'	2598	85°28.4'	2583	94°14.5'	2645	103°29.2'	2679	51°04.5'	3496
9	83°42.2'	2594	84°55.3'	2579	94°47.1'	2641	102°56.9'	2675	51°31.3'	3479
10	84°15.2'	2590	84°22.2'	2576	95°19.8'	2638	102°24.4'	2671	51°58.3'	3461
11	84°48.3'	2587	83°49.1'	2572	95°52.5'	2634	101°52.0'	2667	52°25.3'	3445
12	85°21.4'	2583	83°15.9'	2569	96°25.2'	2631	101°19.5'	2663	52°52.4'	3428
13	85°54.5'	2580	82°42.7'	2565	96°57.9'	2627	100°47.0'	2659	53°19.7'	3412
14	86°27.6'	2576	82°09.4'	2562	97°30.7'	2624	100°14.5'	2655	53°47.0'	3397
15	87°00.7'	2573	81°36.2'	2558	98°03.5'	2621	99°42.0'	2652	54°14.5'	3382
16	87°33.9'	2569	81°02.9'	2555	98°36.3'	2617	99°09.4'	2648	54°42.0'	3367
17	88°07.1'	2566	80°29.6'	2551	99°09.1'	2614	98°36.8'	2644	55°09.6'	3353
18	88°40.4'	2562	79°56.2'	2548	99°42.0'	2611	98°04.1'	2640	55°37.4'	3339
19	89°13.6'	2559	79°22.8'	2544	100°14.9'	2608	97°31.5'	2637	56°05.2'	3325
20	89°46.9'	2555	78°49.4'	2541	100°47.8'	2604	96°58.8'	2633	56°33.1'	3311
21	90°20.2'	2552	78°16.0'	2537	101°20.7'	2601	96°26.0'	2629	57°01.1'	3298
22	90°53.6'	2549	77°42.6'	2534	101°53.7'	2598	95°53.3'	2626	57°29.2'	3285
23	91°26.9'	2545	77°09.1'	2531	102°26.7'	2595	95°20.5'	2622	57°57.3'	3273

Thu Sep 7, 2017 UTC

UTC	−Aldebaran		+Saturn		−Betelgeuse		+Antares		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	76°35.6′	2527	92°00.3′	2542	94°47.7′	2619	102°59.7′	2592	58°25.6′	3261
1	76°02.0′	2524	92°33.7′	2539	94°14.9′	2615	103°32.7′	2589	58°53.9′	3249
2	75°28.5′	2521	93°07.2′	2535	93°42.0′	2612	104°05.8′	2586	59°22.3′	3237
3	74°54.9′	2517	93°40.6′	2532	93°09.2′	2609	104°38.8′	2583	59°50.7′	3226
4	74°21.3′	2514	94°14.1′	2529	92°36.2′	2605	105°11.9′	2580	60°19.3′	3215
5	73°47.7′	2511	94°47.6′	2526	92°03.3′	2602	105°45.1′	2577	60°47.9′	3204
6	73°14.0′	2508	95°21.2′	2523	91°30.4′	2599	106°18.2′	2575	61°16.6′	3193
7	72°40.3′	2505	95°54.7′	2520	90°57.4′	2596	106°51.4′	2572	61°45.4′	3183
8	72°06.6′	2501	96°28.3′	2516	90°24.4′	2593	107°24.6′	2569	62°14.2′	3173
9	71°32.9′	2498	97°01.9′	2513	89°51.3′	2589	107°57.8′	2566	62°43.1′	3163
10	70°59.2′	2495	97°35.6′	2510	89°18.3′	2586	108°31.0′	2564	63°12.1′	3153
11	70°25.4′	2492	98°09.2′	2507	88°45.2′	2583	109°04.3′	2561	63°41.1′	3144
12	69°51.6′	2489	98°42.9′	2504	88°12.1′	2580	109°37.5′	2559	64°10.2′	3134
13	69°17.8′	2486	99°16.6′	2501	87°39.0′	2577	110°10.8′	2556	64°39.3′	3125
14	68°43.9′	2483	99°50.4′	2498	87°05.8′	2574	110°44.1′	2554	65°08.6′	3117
15	68°10.0′	2480	100°24.1′	2495	86°32.7′	2572	111°17.4′	2551	65°37.8′	3108
16	67°36.1′	2477	100°57.9′	2492	85°59.5′	2569	111°50.8′	2549	66°07.2′	3100
17	67°02.2′	2474	101°31.7′	2490	85°26.3′	2566	112°24.2′	2546	66°36.6′	3091
18	66°28.3′	2471	102°05.5′	2487	84°53.0′	2563	112°57.5′	2544	67°06.0′	3083
19	65°54.3′	2468	102°39.4′	2484	84°19.8′	2561	113°30.9′	2542	67°35.5′	3075
20	65°20.3′	2466	103°13.2′	2481	83°46.5′	2558	114°04.4′	2540	68°05.1′	3068
21	64°46.3′	2463	103°47.1′	2478	83°13.2′	2555	114°37.8′	2537	68°34.7′	3060
22	64°12.3′	2460	104°21.0′	2476	82°39.9′	2553	115°11.2′	2535	69°04.3′	3053
23	63°38.2′	2457	104°55.0′	2473	82°06.6′	2550	115°44.7′	2533	69°34.0′	3046

Fri Sep 8, 2017 UTC

UTC	−Aldebaran		−Betelgeuse		+Formalhaut		+Saturn		−Rigel	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	63°04.2′	2454	81°33.2′	2548	36°17.1′	3340	105°28.9′	2470	71°20.1′	2991
1	62°30.1′	2452	80°59.9′	2545	36°45.0′	3314	106°02.9′	2467	70°49.9′	2992
2	61°55.9′	2449	80°26.5′	2543	37°12.9′	3289	106°36.9′	2465	70°19.8′	2993
3	61°21.8′	2446	79°53.1′	2541	37°41.1′	3264	107°10.9′	2462	69°49.7′	2994
4	60°47.6′	2444	79°19.6′	2538	38°09.4′	3241	107°44.9′	2460	69°19.6′	2996
5	60°13.5′	2441	78°46.2′	2536	38°37.8′	3219	108°19.0′	2457	68°49.5′	2997
6	59°39.3′	2438	78°12.7′	2534	39°06.4′	3197	108°53.1′	2455	68°19.4′	2999
7	59°05.0′	2436	77°39.2′	2532	39°35.1′	3177	109°27.2′	2452	67°49.3′	3001
8	58°30.8′	2433	77°05.7′	2529	40°04.0′	3157	110°01.3′	2450	67°19.3′	3004
9	57°56.5′	2431	76°32.2′	2527	40°33.0′	3137	110°35.4′	2447	66°49.2′	3006
10	57°22.2′	2428	75°58.7′	2525	41°02.2′	3119	111°09.6′	2445	66°19.2′	3009
11	56°47.9′	2426	75°25.2′	2523	41°31.4′	3101	111°43.7′	2442	65°49.2′	3011
12	56°13.6′	2423	74°51.6′	2522	42°00.8′	3083	112°17.9′	2440	65°19.2′	3014
13	55°39.3′	2421	74°18.0′	2520	42°30.3′	3067	112°52.1′	2438	64°49.2′	3017
14	55°04.9′	2419	73°44.4′	2518	42°59.9′	3051	113°26.4′	2435	64°19.3′	3021
15	54°30.5′	2416	73°10.8′	2516	43°29.6′	3035	114°00.6′	2433	63°49.3′	3024
16	53°56.1′	2414	72°37.2′	2514	43°59.5′	3020	114°34.9′	2431	63°19.4′	3028
17	53°21.7′	2411	72°03.6′	2513	44°29.4′	3005	115°09.2′	2429	62°49.5′	3032
18	52°47.3′	2409	71°29.9′	2511	44°59.4′	2991	115°43.5′	2426	62°19.7′	3037
19	52°12.8′	2407	70°56.3′	2510	45°29.6′	2977	116°17.8′	2424	61°49.9′	3041
20	51°38.4′	2405	70°22.6′	2508	45°59.8′	2964	116°52.1′	2422	61°20.1′	3046
21	51°03.9′	2402	69°49.0′	2507	46°30.1′	2951	117°26.5′	2420	60°50.3′	3051
22	50°29.4′	2400	69°15.3′	2505	47°00.5′	2939	118°00.8′	2418	60°20.6′	3056
23	49°54.8′	2398	68°41.6′	2504	47°31.0′	2927	118°35.2′	2416	59°50.9′	3062

Sat Sep 9, 2017 UTC

UTC	−Aldebaran		−Betelgeuse		+Formalhaut		−Pollux		−Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	49°20.3′	2396	68°07.9′	2503	48°01.6′	2915	93°25.3′	2454	94°04.4′	2518
1	48°45.7′	2394	67°34.1′	2501	48°32.3′	2904	92°51.2′	2452	93°30.8′	2516
2	48°11.2′	2392	67°00.4′	2500	49°03.0′	2893	92°17.1′	2449	92°57.2′	2514
3	47°36.6′	2390	66°26.7′	2499	49°33.8′	2882	91°43.0′	2447	92°23.6′	2511
4	47°02.0′	2388	65°52.9′	2498	50°04.7′	2872	91°08.8′	2445	91°49.9′	2509
5	46°27.3′	2386	65°19.2′	2497	50°35.7′	2862	90°34.6′	2443	91°16.3′	2507
6	45°52.7′	2384	64°45.4′	2496	51°06.7′	2852	90°00.5′	2441	90°42.6′	2505
7	45°18.1′	2382	64°11.6′	2495	51°37.9′	2843	89°26.3′	2439	90°08.9′	2503
8	44°43.4′	2380	63°37.9′	2495	52°09.0′	2834	88°52.1′	2437	89°35.2′	2501
9	44°08.7′	2378	63°04.1′	2494	52°40.3′	2825	88°17.8′	2436	89°01.4′	2500
10	43°34.0′	2376	62°30.3′	2493	53°11.6′	2816	87°43.6′	2434	88°27.7′	2498
11	42°59.3′	2374	61°56.5′	2493	53°43.0′	2808	87°09.3′	2432	87°53.9′	2496
12	42°24.5′	2372	61°22.7′	2492	54°14.4′	2800	86°35.0′	2430	87°20.2′	2494
13	41°49.8′	2371	60°48.9′	2492	54°45.9′	2792	86°00.8′	2428	86°46.4′	2493
14	41°15.0′	2369	60°15.1′	2491	55°17.4′	2784	85°26.5′	2427	86°12.6′	2491
15	40°40.3′	2367	59°41.3′	2491	55°49.0′	2777	84°52.1′	2425	85°38.8′	2489
16	40°05.5′	2365	59°07.5′	2491	56°20.7′	2770	84°17.8′	2423	85°04.9′	2488
17	39°30.7′	2364	58°33.7′	2491	56°52.4′	2763	83°43.5′	2422	84°31.1′	2486
18	38°55.9′	2362	57°59.8′	2491	57°24.1′	2756	83°09.1′	2420	83°57.3′	2485
19	38°21.0′	2360	57°26.0′	2491	57°56.0′	2749	82°34.8′	2419	83°23.4′	2484
20	37°46.2′	2359	56°52.2′	2491	58°27.8′	2743	82°00.4′	2417	82°49.5′	2482
21	37°11.3′	2357	56°18.4′	2491	58°59.7′	2736	81°26.0′	2416	82°15.7′	2481
22	36°36.5′	2355	55°44.6′	2491	59°31.7′	2730	80°51.6′	2414	81°41.8′	2480
23	36°01.6′	2354	55°10.8′	2492	60°03.7′	2724	80°17.2′	2413	81°07.9′	2479

Sun Sep 10, 2017 UTC

UTC	−Aldebaran		−Betelgeuse		−Pollux		+Formalhaut		−Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	35°26.7′	2352	54°37.0′	2492	79°42.8′	2412	60°35.7′	2718	80°34.0′	2478
1	34°51.8′	2351	54°03.2′	2493	79°08.3′	2410	61°07.8′	2713	80°00.0′	2476
2	34°16.8′	2349	53°29.4′	2493	78°33.9′	2409	61°39.9′	2707	79°26.1′	2475
3	33°41.9′	2348	52°55.6′	2494	77°59.4′	2408	62°12.1′	2702	78°52.2′	2474
4	33°07.0′	2346	52°21.8′	2495	77°25.0′	2407	62°44.3′	2697	78°18.2′	2474
5	32°32.0′	2345	51°48.0′	2496	76°50.5′	2406	63°16.5′	2692	77°44.3′	2473
6	31°57.1′	2344	51°14.2′	2497	76°16.0′	2405	63°48.8′	2687	77°10.3′	2472
7	31°22.1′	2342	50°40.5′	2498	75°41.5′	2403	64°21.1′	2682	76°36.4′	2471
8	30°47.1′	2341	50°06.7′	2499	75°07.0′	2402	64°53.5′	2678	76°02.4′	2470
9	30°12.1′	2340	49°33.0′	2501	74°32.5′	2401	65°25.9′	2673	75°28.4′	2470
10	29°37.1′	2338	48°59.2′	2502	73°58.0′	2400	65°58.3′	2669	74°54.5′	2469
11	29°02.1′	2337	48°25.5′	2504	73°23.5′	2400	66°30.8′	2665	74°20.5′	2469
12	28°27.0′	2336	47°51.8′	2506	72°48.9′	2399	67°03.3′	2660	73°46.5′	2468
13	27°52.0′	2334	47°18.1′	2508	72°14.4′	2398	67°35.8′	2656	73°12.5′	2468
14	27°16.9′	2333	46°44.4′	2510	71°39.9′	2397	68°08.3′	2653	72°38.5′	2467
15	26°41.9′	2332	46°10.8′	2512	71°05.3′	2396	68°40.9′	2649	72°04.5′	2467
16	26°06.8′	2331	45°37.1′	2515	70°30.8′	2395	69°13.5′	2645	71°30.5′	2467
17	25°31.7′	2330	45°03.5′	2517	69°56.2′	2395	69°46.1′	2642	70°56.5′	2466
18	24°56.6′	2329	44°29.9′	2520	69°21.6′	2394	70°18.8′	2638	70°22.5′	2466
19	24°21.5′	2327	43°56.3′	2523	68°47.1′	2393	70°51.5′	2635	69°48.5′	2466
20	23°46.4′	2326	43°22.8′	2526	68°12.5′	2393	71°24.2′	2632	69°14.5′	2466
21	23°11.3′	2325	42°49.2′	2530	67°37.9′	2392	71°56.9′	2628	68°40.5′	2466
22	22°36.2′	2324	42°15.7′	2533	67°03.3′	2392	72°29.7′	2625	68°06.5′	2466
23	22°01.0′	2323	41°42.2′	2537	66°28.7′	2391	73°02.5′	2622	67°32.5′	2466

Mon Sep 11, 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	119°48.5'	2635	21°25.9'	2322	41°08.8'	2541	65°54.1'	2391	73°35.3'	2620
1	119°15.7'	2634	20°50.7'	2321	40°35.4'	2546	65°19.5'	2391	74°08.1'	2617
2	118°43.0'	2633	20°15.6'	2320	40°02.0'	2550	64°44.9'	2390	74°40.9'	2614
3	118°10.3'	2632	19°40.4'	2319	39°28.6'	2555	64°10.3'	2390	75°13.8'	2612
4	117°37.6'	2631	19°05.2'	2318	38°55.3'	2560	63°35.7'	2390	75°46.7'	2609
5	117°04.8'	2630	18°30.1'	2318	38°22.0'	2565	63°01.1'	2390	76°19.6'	2607
6	116°32.1'	2629	17°54.9'	2317	37°48.8'	2571	62°26.5'	2389	76°52.5'	2604
7	115°59.3'	2628	17°19.7'	2316	37°15.6'	2577	61°51.9'	2389	77°25.4'	2602
8	115°26.6'	2627	16°44.5'	2315	36°42.4'	2584	61°17.3'	2389	77°58.4'	2600
9	114°53.8'	2626	16°09.3'	2314	36°09.3'	2590	60°42.7'	2389	78°31.4'	2598
10	114°21.0'	2625	15°34.1'	2314	35°36.3'	2598	60°08.0'	2389	79°04.4'	2596
11	113°48.2'	2624	14°58.8'	2313	35°03.3'	2605	59°33.4'	2389	79°37.4'	2594
12	113°15.4'	2623	14°23.6'	2312	34°30.4'	2613	58°58.8'	2390	80°10.4'	2592
13	112°42.6'	2622	13°48.4'	2312	33°57.5'	2622	58°24.2'	2390	80°43.4'	2590
14	112°09.8'	2621	13°13.1'	2311	33°24.7'	2631	57°49.6'	2390	81°16.5'	2589
15	111°37.0'	2620	12°37.9'	2310	32°52.0'	2641	57°15.0'	2390	81°49.5'	2587
16	111°04.2'	2620	12°02.7'	2310	32°19.3'	2651	56°40.4'	2391	82°22.6'	2585
17	110°31.4'	2619	11°27.4'	2310	31°46.7'	2662	56°05.8'	2391	82°55.7'	2584
18	109°58.5'	2618	10°52.2'	2309	31°14.2'	2673	55°31.2'	2392	83°28.8'	2583
19	109°25.7'	2617	10°16.9'	2309	30°41.8'	2686	54°56.6'	2392	84°01.9'	2581
20	108°52.9'	2616	9°41.6'	2309	30°09.5'	2699	54°22.0'	2393	84°35.0'	2580
21	108°20.0'	2616	9°06.4'	2309	29°37.2'	2712	53°47.4'	2393	85°08.1'	2579
22	107°47.2'	2615	8°31.1'	2309	29°05.1'	2727	53°12.8'	2394	85°41.2'	2578
23	107°14.3'	2614	7°55.9'	2309	28°33.1'	2743	52°38.3'	2395	86°14.4'	2577

Tue Sep 12, 2017 UTC

UTC	-Sun		-Aldebaran		-Pollux		-Betelgeuse		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	106°41.4'	2614	7°20.6'	2310	52°03.7'	2396	28°01.2'	2760	86°47.5'	2576
1	106°08.6'	2613	6°45.4'	2311	51°29.1'	2397	27°29.4'	2778	87°20.7'	2575
2	105°35.7'	2612	6°10.1'	2312	50°54.6'	2398	26°57.7'	2797	87°53.9'	2574
3	105°02.8'	2612	5°34.9'	2315	50°20.0'	2399	26°26.2'	2817	88°27.0'	2573
4	104°29.9'	2611	4°59.7'	2318	49°45.5'	2400	25°54.9'	2839	89°00.2'	2573
5	103°57.1'	2611	4°24.5'	2323	49°11.0'	2401	25°23.6'	2862	89°33.4'	2572
6	103°24.2'	2610	3°49.3'	2332	48°36.5'	2402	24°52.6'	2887	90°06.6'	2572
7	102°51.3'	2609	3°14.3'	2346	48°02.0'	2404	24°21.7'	2914	90°39.8'	2571
8	102°18.4'	2609	2°39.3'	2373	47°27.5'	2405	23°51.1'	2943	91°12.9'	2571
9	101°45.5'	2608	2°04.6'	2433	46°53.0'	2407	23°20.6'	2975	91°46.1'	2570
10	101°12.6'	2608	-	-	46°18.5'	2409	22°50.4'	3008	92°19.3'	2570
11	100°39.6'	2607	-	-	45°44.1'	2411	22°20.3'	3044	92°52.5'	2570
12	100°06.7'	2607	-	-	45°09.6'	2412	21°50.6'	3084	93°25.7'	2570
13	99°33.8'	2606	-	-	44°35.2'	2414	21°21.1'	3126	93°58.9'	2570
14	99°00.9'	2606	-	-	44°00.8'	2417	20°51.9'	3172	94°32.1'	2570
15	98°28.0'	2606	-	-	43°26.4'	2419	20°23.0'	3222	95°05.3'	2570
16	97°55.0'	2605	2°08.5'	2366	42°52.0'	2421	19°54.4'	3277	95°38.5'	2570
17	97°22.1'	2605	2°43.3'	2339	42°17.6'	2424	19°26.2'	3336	96°11.7'	2570
18	96°49.2'	2604	3°18.3'	2325	41°43.3'	2427	18°58.4'	3401	96°44.9'	2571
19	96°16.2'	2604	3°53.4'	2316	41°09.0'	2429	18°30.9'	3471	97°18.1'	2571
20	95°43.3'	2604	4°28.6'	2310	40°34.7'	2432	18°04.0'	3549	97°51.3'	2571
21	95°10.3'	2603	5°03.9'	2306	40°00.4'	2436	17°37.4'	3634	98°24.5'	2572
22	94°37.4'	2603	5°39.2'	2303	39°26.2'	2439	17°11.5'	3728	98°57.7'	2573
23	94°04.4'	2603	6°14.5'	2301	38°52.0'	2442	16°46.0'	3831	99°30.9'	2573

Wed Sep 13, 2017 UTC

UTC	−Sun		+Aldebaran		−Pollux		−Procyon		−Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	93°31.5′	2603	6°49.8′	2299	38°17.8′	2446	40°01.3′	2602	73°18.5′	2291
1	92°58.5′	2602	7°25.1′	2297	37°43.6′	2450	39°28.3′	2610	72°43.1′	2290
2	92°25.6′	2602	8°00.5′	2296	37°09.5′	2454	38°55.4′	2618	72°07.7′	2290
3	91°52.6′	2602	8°35.9′	2295	36°35.4′	2459	38°22.6′	2626	71°32.3′	2290
4	91°19.7′	2602	9°11.2′	2294	36°01.3′	2463	37°49.8′	2635	70°56.9′	2290
5	90°46.7′	2601	9°46.6′	2294	35°27.3′	2468	37°17.1′	2644	70°21.4′	2289
6	90°13.7′	2601	10°22.0′	2293	34°53.3′	2473	36°44.5′	2654	69°46.0′	2289
7	89°40.8′	2601	10°57.4′	2292	34°19.3′	2479	36°11.9′	2664	69°10.6′	2289
8	89°07.8′	2601	11°32.8′	2292	33°45.4′	2484	35°39.4′	2675	68°35.2′	2289
9	88°34.8′	2601	12°08.2′	2291	33°11.6′	2491	35°07.0′	2686	67°59.8′	2289
10	88°01.9′	2601	12°43.6′	2291	32°37.8′	2497	34°34.7′	2698	67°24.3′	2289
11	87°28.9′	2600	13°19.0′	2291	32°04.0′	2504	34°02.4′	2711	66°48.9′	2288
12	86°55.9′	2600	13°54.4′	2290	31°30.3′	2511	33°30.3′	2724	66°13.5′	2288
13	86°23.0′	2600	14°29.8′	2290	30°56.6′	2519	32°58.3′	2738	65°38.1′	2288
14	85°50.0′	2600	15°05.2′	2290	30°23.0′	2527	32°26.3′	2753	65°02.6′	2288
15	85°17.0′	2600	15°40.6′	2290	29°49.5′	2536	31°54.5′	2769	64°27.2′	2288
16	84°44.1′	2600	16°16.0′	2289	29°16.0′	2545	31°22.8′	2785	63°51.8′	2288
17	84°11.1′	2600	16°51.4′	2289	28°42.7′	2555	30°51.2′	2803	63°16.3′	2288
18	83°38.1′	2600	17°26.9′	2289	28°09.3′	2565	30°19.7′	2821	62°40.9′	2288
19	83°05.1′	2600	18°02.3′	2289	27°36.1′	2576	29°48.4′	2841	62°05.5′	2288
20	82°32.2′	2600	18°37.7′	2289	27°02.9′	2588	29°17.2′	2861	61°30.1′	2288
21	81°59.2′	2600	19°13.1′	2289	26°29.9′	2601	28°46.1′	2883	60°54.6′	2288
22	81°26.2′	2600	19°48.5′	2289	25°56.9′	2614	28°15.2′	2907	60°19.2′	2288
23	80°53.3′	2600	20°24.0′	2289	25°24.1′	2629	27°44.5′	2932	59°43.8′	2288

Thu Sep 14, 2017 UTC

UTC	−Sun		+Aldebaran		−Pollux		−Regulus		−Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	80°20.3′	2601	20°59.4′	2289	24°51.3′	2645	59°08.3′	2288	27°14.0′	2958
1	79°47.3′	2601	21°34.8′	2289	24°18.7′	2661	58°32.9′	2288	26°43.6′	2986
2	79°14.4′	2601	22°10.2′	2289	23°46.2′	2679	57°57.5′	2288	26°13.4′	3016
3	78°41.4′	2601	22°45.6′	2289	23°13.8′	2699	57°22.1′	2288	25°43.5′	3048
4	78°08.4′	2601	23°21.1′	2289	22°41.6′	2720	56°46.6′	2288	25°13.7′	3083
5	77°35.5′	2601	23°56.5′	2289	22°09.5′	2742	56°11.2′	2289	24°44.2′	3119
6	77°02.5′	2602	24°31.9′	2289	21°37.6′	2767	55°35.8′	2289	24°15.0′	3159
7	76°29.5′	2602	25°07.3′	2290	21°05.8′	2793	55°00.4′	2289	23°46.0′	3201
8	75°56.6′	2602	25°42.7′	2290	20°34.3′	2822	54°24.9′	2289	23°17.3′	3246
9	75°23.6′	2602	26°18.1′	2290	20°03.0′	2853	53°49.5′	2289	22°48.9′	3295
10	74°50.7′	2603	26°53.6′	2290	19°31.9′	2887	53°14.1′	2289	22°20.8′	3347
11	74°17.7′	2603	27°29.0′	2290	19°01.0′	2924	52°38.7′	2290	21°53.0′	3404
12	73°44.8′	2603	28°04.4′	2290	18°30.4′	2965	52°03.3′	2290	21°25.6′	3465
13	73°11.8′	2604	28°39.8′	2291	18°00.1′	3010	51°27.9′	2290	20°58.6′	3531
14	72°38.9′	2604	29°15.2′	2291	17°30.1′	3059	50°52.4′	2290	20°32.0′	3602
15	72°05.9′	2604	29°50.6′	2291	17°00.4′	3113	50°17.0′	2291	20°05.8′	3680
16	71°33.0′	2605	30°26.0′	2292	16°31.1′	3173	49°41.6′	2291	19°40.1′	3764
17	71°00.1′	2605	31°01.4′	2292	16°02.2′	3239	49°06.2′	2291	19°14.9′	3856
18	70°27.1′	2606	31°36.8′	2292	15°33.8′	3313	48°30.8′	2292	18°50.2′	3956
19	69°54.2′	2606	32°12.2′	2293	15°05.8′	3395	47°55.4′	2292	18°26.0′	4065
20	69°21.3′	2607	32°47.6′	2293	14°38.3′	3487	47°20.0′	2293	18°02.5′	4185
21	68°48.3′	2607	33°23.0′	2293	14°11.4′	3591	46°44.6′	2293	17°39.6′	4316
22	68°15.4′	2608	33°58.4′	2294	13°45.2′	3707	46°09.3′	2293	17°17.4′	4460
23	67°42.5′	2608	34°33.7′	2294	13°19.6′	3838	45°33.9′	2294	16°55.9′	4619

Fri Sep 15, 2017 UTC

UTC	−Sun		+Aldebaran		−Regulus		−Venus		+Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	67°09.6′	2609	35°09.1′	2295	44°58.5′	2294	38°48.6′	2684	20°25.5′	3168
1	66°36.7′	2609	35°44.5′	2295	44°23.1′	2295	38°16.2′	2685	20°54.4′	3123
2	66°03.8′	2610	36°19.9′	2296	43°47.7′	2295	37°43.9′	2685	21°23.7′	3081
3	65°30.9′	2611	36°55.2′	2296	43°12.4′	2296	37°11.6′	2686	21°53.2′	3042
4	64°58.0′	2611	37°30.6′	2297	42°37.0′	2296	36°39.3′	2687	22°23.0′	3006
5	64°25.1′	2612	38°05.9′	2297	42°01.6′	2297	36°06.9′	2687	22°53.0′	2972
6	63°52.2′	2613	38°41.3′	2298	41°26.3′	2297	35°34.6′	2688	23°23.2′	2941
7	63°19.3′	2613	39°16.6′	2298	40°50.9′	2298	35°02.3′	2689	23°53.7′	2913
8	62°46.5′	2614	39°52.0′	2299	40°15.6′	2299	34°30.0′	2689	24°24.4′	2886
9	62°13.6′	2615	40°27.3′	2300	39°40.2′	2299	33°57.7′	2690	24°55.3′	2861
10	61°40.8′	2616	41°02.7′	2300	39°04.9′	2300	33°25.4′	2691	25°26.3′	2838
11	61°07.9′	2616	41°38.0′	2301	38°29.6′	2301	32°53.1′	2692	25°57.5′	2816
12	60°35.1′	2617	42°13.3′	2302	37°54.3′	2301	32°20.8′	2692	26°28.9′	2796
13	60°02.2′	2618	42°48.6′	2302	37°18.9′	2302	31°48.5′	2693	27°00.4′	2777
14	59°29.4′	2619	43°23.9′	2303	36°43.6′	2303	31°16.3′	2694	27°32.1′	2760
15	58°56.5′	2620	43°59.3′	2304	36°08.3′	2304	30°44.0′	2695	28°03.9′	2743
16	58°23.7′	2621	44°34.6′	2305	35°33.0′	2304	30°11.7′	2696	28°35.8′	2728
17	57°50.9′	2622	45°09.8′	2305	34°57.7′	2305	29°39.5′	2697	29°07.8′	2713
18	57°18.1′	2623	45°45.1′	2306	34°22.4′	2306	29°07.2′	2698	29°39.9′	2700
19	56°45.3′	2624	46°20.4′	2307	33°47.1′	2307	28°35.0′	2699	30°12.1′	2687
20	56°12.5′	2625	46°55.7′	2308	33°11.9′	2308	28°02.8′	2700	30°44.5′	2675
21	55°39.7′	2626	47°30.9′	2309	32°36.6′	2309	27°30.6′	2701	31°16.9′	2663
22	55°07.0′	2627	48°06.2′	2310	32°01.3′	2310	26°58.3′	2702	31°49.4′	2653
23	54°34.2′	2628	48°41.5′	2311	31°26.1′	2310	26°26.1′	2703	32°21.9′	2643

Sat Sep 16, 2017 UTC

UTC	−Sun		−Regulus		+Aldebaran		−Venus		+Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	54°01.4′	2630	30°50.8′	2311	49°16.7′	2312	25°53.9′	2704	32°54.6′	2633
1	53°28.7′	2631	30°15.6′	2312	49°51.9′	2313	25°21.7′	2705	33°27.3′	2625
2	52°55.9′	2632	29°40.4′	2313	50°27.2′	2314	24°49.5′	2706	34°00.1′	2616
3	52°23.2′	2633	29°05.2′	2315	51°02.4′	2315	24°17.4′	2707	34°32.9′	2608
4	51°50.5′	2635	28°29.9′	2316	51°37.6′	2316	23°45.2′	2709	35°05.8′	2601
5	51°17.8′	2636	27°54.7′	2317	52°12.8′	2317	23°13.0′	2710	35°38.8′	2594
6	50°45.1′	2637	27°19.5′	2318	52°48.0′	2318	22°40.9′	2711	36°11.8′	2588
7	50°12.4′	2639	26°44.4′	2319	53°23.2′	2319	22°08.8′	2712	36°44.9′	2581
8	49°39.7′	2640	26°09.2′	2320	53°58.4′	2320	21°36.6′	2714	37°18.0′	2576
9	49°07.0′	2642	25°34.0′	2321	54°33.5′	2321	21°04.5′	2715	37°51.2′	2570
10	48°34.4′	2643	24°58.9′	2322	55°08.7′	2323	20°32.4′	2717	38°24.4′	2565
11	48°01.7′	2645	24°23.7′	2324	55°43.8′	2324	20°00.3′	2718	38°57.6′	2560
12	47°29.1′	2646	23°48.6′	2325	56°19.0′	2325	19°28.2′	2720	39°30.9′	2556
13	46°56.5′	2648	23°13.4′	2326	56°54.1′	2326	18°56.1′	2721	40°04.2′	2551
14	46°23.9′	2649	22°38.3′	2328	57°29.2′	2328	18°24.1′	2723	40°37.5′	2547
15	45°51.3′	2651	22°03.2′	2329	58°04.3′	2329	17°52.0′	2724	41°10.9′	2544
16	45°18.7′	2653	21°28.1′	2330	58°39.4′	2330	17°20.0′	2726	41°44.3′	2540
17	44°46.1′	2654	20°53.0′	2332	59°14.5′	2332	16°47.9′	2728	42°17.7′	2537
18	44°13.5′	2656	20°18.0′	2333	59°49.6′	2333	16°15.9′	2729	42°51.2′	2534
19	43°41.0′	2658	19°42.9′	2335	60°24.6′	2335	15°43.9′	2731	43°24.7′	2531
20	43°08.5′	2660	19°07.9′	2336	60°59.7′	2336	15°11.9′	2733	43°58.2′	2529
21	42°35.9′	2662	18°32.8′	2338	61°34.7′	2338	14°40.0′	2735	44°31.7′	2526
22	42°03.4′	2664	17°57.8′	2339	62°09.7′	2339	14°08.0′	2737	45°05.2′	2524
23	41°30.9′	2666	17°22.8′	2341	62°44.7′	2341	13°36.0′	2739	45°38.8′	2522

Sun Sep 17, 2017 UTC

UTC	-Sun		-Regulus		-Mars		-Venus		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	40°58.5'	2668	16°47.8'	2342	24°07.5'	2543	13°04.1'	2741	21°15.8'	2813
1	40°26.0'	2670	16°12.8'	2344	23°34.1'	2545	12°32.2'	2743	21°47.2'	2791
2	39°53.5'	2672	15°37.8'	2346	23°00.7'	2546	12°00.3'	2745	22°18.7'	2771
3	39°21.1'	2674	15°02.8'	2347	22°27.3'	2548	11°28.4'	2747	22°50.4'	2752
4	38°48.7'	2676	14°27.9'	2349	21°54.0'	2550	10°56.5'	2750	23°22.3'	2735
5	38°16.3'	2678	13°53.0'	2351	21°20.6'	2552	10°24.7'	2752	23°54.2'	2720
6	37°43.9'	2680	13°18.0'	2352	20°47.3'	2553	9°52.8'	2755	24°26.3'	2705
7	37°11.5'	2683	12°43.1'	2354	20°13.9'	2555	9°21.0'	2758	24°58.5'	2692
8	36°39.2'	2685	12°08.2'	2356	19°40.6'	2557	8°49.2'	2760	25°30.8'	2680
9	36°06.9'	2688	11°33.4'	2358	19°07.3'	2559	8°17.4'	2764	26°03.1'	2668
10	35°34.5'	2690	10°58.5'	2360	18°34.0'	2561	7°45.7'	2767	26°35.6'	2658
11	35°02.3'	2693	10°23.7'	2362	18°00.8'	2563	7°13.9'	2771	27°08.1'	2648
12	34°30.0'	2695	9°48.8'	2364	17°27.5'	2565	6°42.2'	2775	27°40.7'	2639
13	33°57.7'	2698	9°14.0'	2366	16°54.3'	2567	6°10.6'	2780	28°13.4'	2631
14	33°25.5'	2700	8°39.2'	2368	16°21.0'	2569	5°38.9'	2786	28°46.1'	2623
15	32°53.3'	2703	8°04.4'	2370	15°47.8'	2571	5°07.4'	2793	29°18.9'	2616
16	32°21.1'	2706	7°29.7'	2372	15°14.7'	2574	4°35.8'	2802	29°51.8'	2610
17	31°48.9'	2709	6°54.9'	2374	14°41.5'	2576	4°04.3'	2814	30°24.7'	2604
18	31°16.7'	2712	6°20.2'	2376	14°08.3'	2578	3°33.0'	2832	30°57.6'	2598
19	30°44.6'	2715	5°45.5'	2378	13°35.2'	2580	3°01.7'	2858	31°30.6'	2593
20	30°12.5'	2718	5°10.8'	2381	13°02.1'	2583	2°30.6'	2904	32°03.6'	2589
21	29°40.4'	2721	4°36.1'	2383	12°29.0'	2585	1°59.9'	2996	32°36.7'	2584
22	29°08.3'	2724	4°01.4'	2386	11°55.9'	2587	-	-	33°09.8'	2580
23	28°36.3'	2727	3°26.8'	2388	11°22.8'	2590	-	-	33°42.9'	2577

Mon Sep 18, 2017 UTC

UTC	-Regulus		-Mars		+Pollux		+Procyon		+Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	2°52.2'	2391	10°49.8'	2592	34°16.1'	2574	34°49.3'	2782	59°40.1'	2512
1	2°17.6'	2395	10°16.7'	2595	34°49.2'	2571	35°21.0'	2773	60°13.7'	2513
2	1°43.0'	2402	9°43.7'	2597	35°22.4'	2568	35°52.6'	2765	60°47.4'	2514
3	1°08.5'	2420	9°10.7'	2600	35°55.6'	2566	36°24.4'	2757	61°21.0'	2515
4	-	-	8°37.7'	2602	36°28.9'	2563	36°56.2'	2750	61°54.6'	2516
5	-	-	8°04.8'	2605	37°02.1'	2561	37°28.0'	2744	62°28.2'	2518
6	-	-	7°31.8'	2608	37°35.4'	2560	37°59.9'	2737	63°01.8'	2519
7	1°10.0'	2414	6°58.9'	2610	38°08.7'	2558	38°31.9'	2732	63°35.4'	2520
8	1°44.4'	2412	6°26.0'	2613	38°42.0'	2557	39°03.9'	2726	64°09.0'	2522
9	2°18.8'	2413	5°53.2'	2616	39°15.3'	2556	39°35.9'	2721	64°42.6'	2523
10	2°53.3'	2415	5°20.3'	2619	39°48.6'	2555	40°08.0'	2717	65°16.1'	2525
11	3°27.7'	2417	4°47.5'	2622	40°21.9'	2555	40°40.1'	2712	65°49.7'	2526
12	4°02.1'	2420	4°14.7'	2625	40°55.2'	2554	41°12.2'	2708	66°23.2'	2528
13	4°36.4'	2422	3°41.9'	2629	41°28.5'	2554	41°44.3'	2704	66°56.8'	2530
14	5°10.8'	2425	3°09.1'	2633	42°01.9'	2553	42°16.5'	2701	67°30.3'	2532
15	5°45.1'	2427	2°36.4'	2639	42°35.2'	2553	42°48.7'	2698	68°03.8'	2534
16	6°19.4'	2430	2°03.7'	2647	43°08.5'	2554	43°21.0'	2695	68°37.2'	2536
17	6°53.7'	2433	1°31.1'	2663	43°41.8'	2554	43°53.2'	2692	69°10.7'	2538
18	7°28.0'	2436	58.6'	2731	44°15.2'	2554	44°25.5'	2690	69°44.2'	2540
19	8°02.2'	2438	-	-	44°48.5'	2555	44°57.8'	2688	70°17.6'	2542
20	8°36.4'	2441	-	-	45°21.8'	2555	45°30.1'	2686	70°51.0'	2544
21	9°10.6'	2444	-	-	45°55.1'	2556	46°02.5'	2684	71°24.4'	2546
22	9°44.8'	2447	1°12.9'	2671	46°28.4'	2557	46°34.8'	2683	71°57.8'	2548
23	10°19.0'	2450	1°45.3'	2665	47°01.7'	2558	47°07.2'	2681	72°31.2'	2551

Tue Sep 19, 2017 UTC

UTC	+Regulus		+Mars		+Venus		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	10°53.1'	2453	2°17.8'	2665	12°12.1'	2863	47°35.0'	2559
1	11°27.2'	2456	2°50.3'	2666	12°43.1'	2866	48°08.3'	2560
2	12°01.3'	2459	3°22.8'	2668	13°14.1'	2869	48°41.6'	2561
3	12°35.3'	2462	3°55.2'	2671	13°45.1'	2872	49°14.9'	2563
4	13°09.4'	2465	4°27.7'	2673	14°16.1'	2875	49°48.1'	2564
5	13°43.4'	2468	5°00.1'	2676	14°47.0'	2879	50°21.4'	2565
6	14°17.4'	2472	5°32.5'	2679	15°18.0'	2882	50°54.6'	2567
7	14°51.3'	2475	6°04.9'	2682	15°48.9'	2885	51°27.8'	2569
8	15°25.3'	2478	6°37.2'	2686	16°19.7'	2889	52°01.0'	2571
9	15°59.2'	2481	7°09.5'	2689	16°50.6'	2892	52°34.2'	2572
10	16°33.1'	2484	7°41.8'	2692	17°21.4'	2896	53°07.4'	2574
11	17°06.9'	2488	8°14.1'	2696	17°52.2'	2899	53°40.6'	2576
12	17°40.8'	2491	8°46.4'	2699	18°23.0'	2903	54°13.7'	2578
13	18°14.6'	2494	9°18.6'	2703	18°53.7'	2906	54°46.9'	2581
14	18°48.4'	2498	9°50.8'	2706	19°24.5'	2910	55°20.0'	2583
15	19°22.1'	2501	10°23.0'	2710	19°55.2'	2914	55°53.1'	2585
16	19°55.9'	2505	10°55.1'	2713	20°25.8'	2917	56°26.2'	2587
17	20°29.6'	2508	11°27.3'	2717	20°56.5'	2921	56°59.3'	2590
18	21°03.2'	2512	11°59.4'	2720	21°27.1'	2925	57°32.3'	2592
19	21°36.9'	2515	12°31.4'	2724	21°57.7'	2929	58°05.3'	2595
20	22°10.5'	2519	13°03.5'	2728	22°28.3'	2932	58°38.4'	2597
21	22°44.1'	2522	13°35.5'	2731	22°58.8'	2936	59°11.3'	2600
22	23°17.7'	2526	14°07.5'	2735	23°29.3'	2940	59°44.3'	2603
23	23°51.2'	2529	14°39.4'	2739	23°59.8'	2944	60°17.3'	2605

Thu Sep 21, 2017 UTC

UTC	-Jupiter		-Spica		-Antares		-Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	18°24.5'	2780	17°22.5'	2979	62°50.4'	2703	74°04.2'	2648
1	17°52.9'	2790	16°52.2'	3006	62°18.2'	2707	73°31.6'	2652
2	17°21.3'	2800	16°22.2'	3035	61°46.0'	2712	72°59.0'	2656
3	16°49.8'	2810	15°52.4'	3067	61°13.9'	2717	72°26.4'	2661
4	16°18.4'	2821	15°22.8'	3102	60°41.8'	2722	71°53.9'	2665
5	15°47.1'	2833	14°53.4'	3140	60°09.7'	2727	71°21.4'	2669
6	15°15.8'	2845	14°24.3'	3182	59°37.7'	2732	70°49.0'	2673
7	14°44.7'	2859	13°55.4'	3229	59°05.7'	2737	70°16.6'	2677
8	14°13.6'	2873	13°26.9'	3280	58°33.8'	2742	69°44.2'	2682
9	13°42.6'	2889	12°58.7'	3338	58°01.9'	2747	69°11.8'	2686
10	13°11.8'	2907	12°30.9'	3402	57°30.0'	2752	68°39.5'	2690
11	12°41.1'	2926	12°03.5'	3475	56°58.2'	2758	68°07.2'	2694
12	12°10.5'	2946	11°36.5'	3557	56°26.4'	2763	67°34.9'	2698
13	11°40.0'	2970	11°10.1'	3650	55°54.6'	2768	67°02.7'	2703
14	11°09.8'	2996	10°44.2'	3757	55°22.9'	2774	66°30.5'	2707
15	10°39.7'	3025	10°18.9'	3879	54°51.2'	2779	65°58.3'	2711
16	10°09.8'	3059	9°54.4'	4021	54°19.6'	2784	65°26.2'	2716
17	9°40.1'	3097	–	–	53°48.0'	2790	64°54.1'	2720
18	9°10.7'	3142	–	–	53°16.4'	2795	64°22.0'	2724
19	8°41.6'	3194	–	–	52°44.9'	2801	63°50.0'	2729
20	8°12.8'	3256	–	–	52°13.4'	2806	63°18.0'	2733
21	7°44.5'	3330	–	–	51°42.0'	2812	62°46.0'	2737
22	7°16.6'	3419	–	–	51°10.6'	2818	62°14.0'	2741
23	6°49.3'	3529	–	–	50°39.2'	2824	61°42.1'	2746

Fri Sep 22, 2017 UTC

UTC	−Antares		−Saturn		−Altair		−Rigel Kentaurus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	50°07.9′	2829	61°10.2′	2750	97°45.2′	3247	58°45.8′	5750
1	49°36.6′	2835	60°38.4′	2754	97°16.8′	3250	58°29.9′	5791
2	49°05.4′	2841	60°06.6′	2759	96°48.4′	3253	58°14.0′	5834
3	48°34.2′	2847	59°34.8′	2763	96°20.0′	3256	57°58.4′	5878
4	48°03.0′	2853	59°03.0′	2768	95°51.7′	3259	57°42.9′	5922
5	47°31.9′	2859	58°31.3′	2772	95°23.3′	3262	57°27.5′	5968
6	47°00.9′	2865	57°59.6′	2776	94°55.0′	3266	57°12.4′	6014
7	46°29.8′	2872	57°27.9′	2781	94°26.8′	3269	56°57.3′	6062
8	45°58.9′	2878	56°56.3′	2785	93°58.5′	3273	56°42.5′	6111
9	45°27.9′	2884	56°24.7′	2789	93°30.2′	3276	56°27.8′	6160
10	44°57.1′	2891	55°53.1′	2794	93°02.0′	3280	56°13.3′	6211
11	44°26.2′	2897	55°21.6′	2798	92°33.8′	3284	55°58.9′	6263
12	43°55.4′	2904	54°50.1′	2802	92°05.7′	3288	55°44.7′	6317
13	43°24.7′	2910	54°18.6′	2807	91°37.5′	3291	55°30.7′	6371
14	42°54.0′	2917	53°47.2′	2811	91°09.4′	3295	55°16.9′	6427
15	42°23.3′	2924	53°15.8′	2815	90°41.3′	3299	55°03.2′	6484
16	41°52.7′	2931	52°44.4′	2820	90°13.2′	3304	54°49.7′	6542
17	41°22.2′	2938	52°13.1′	2824	89°45.2′	3308	54°36.4′	6602
18	40°51.7′	2945	51°41.7′	2828	89°17.2′	3312	54°23.3′	6663
19	40°21.2′	2952	51°10.5′	2833	88°49.2′	3316	54°10.4′	6726
20	39°50.8′	2960	50°39.2′	2837	88°21.2′	3321	53°57.6′	6790
21	39°20.5′	2967	50°08.0′	2841	87°53.3′	3325	53°45.0′	6856
22	38°50.2′	2975	49°36.8′	2846	87°25.4′	3330	53°32.7′	6923
23	38°19.9′	2983	49°05.6′	2850	86°57.5′	3334	53°20.5′	6992

Sat Sep 23, 2017 UTC

UTC	+Jupiter		−Antares		−Saturn		+Spica		−Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	7°58.8′	3345	37°49.7′	2990	48°34.5′	2854	11°32.1′	3642	86°29.7′	3339
1	8°26.5′	3298	37°19.6′	2999	48°03.4′	2858	11°58.0′	3578	86°01.9′	3343
2	8°54.6′	3259	36°49.5′	3007	47°32.3′	2863	12°24.4′	3522	85°34.1′	3348
3	9°22.9′	3226	36°19.5′	3015	47°01.3′	2867	12°51.0′	3473	85°06.3′	3353
4	9°51.5′	3199	35°49.5′	3024	46°30.3′	2871	13°18.0′	3430	84°38.6′	3358
5	10°20.2′	3176	35°19.6′	3032	45°59.3′	2875	13°45.2′	3392	84°10.9′	3363
6	10°49.1′	3157	34°49.8′	3041	45°28.4′	2880	14°12.7′	3358	83°43.3′	3368
7	11°18.1′	3141	34°20.0′	3050	44°57.4′	2884	14°40.4′	3328	83°15.6′	3373
8	11°47.2′	3127	33°50.2′	3060	44°26.6′	2888	15°08.3′	3301	82°48.0′	3378
9	12°16.4′	3116	33°20.6′	3069	43°55.7′	2892	15°36.4′	3277	82°20.5′	3383
10	12°45.7′	3106	32°51.0′	3079	43°24.9′	2897	16°04.6′	3255	81°52.9′	3388
11	13°15.0′	3097	32°21.5′	3089	42°54.1′	2901	16°32.9′	3236	81°25.4′	3394
12	13°44.4′	3090	31°52.0′	3099	42°23.3′	2905	17°01.4′	3219	80°58.0′	3399
13	14°13.9′	3084	31°22.6′	3110	41°52.6′	2909	17°30.0′	3203	80°30.5′	3404
14	14°43.4′	3079	30°53.3′	3121	41°21.9′	2913	17°58.7′	3189	80°03.1′	3410
15	15°12.9′	3075	30°24.0′	3132	40°51.2′	2918	18°27.5′	3177	79°35.8′	3416
16	15°42.5′	3072	29°54.9′	3144	40°20.6′	2922	18°56.4′	3165	79°08.5′	3421
17	16°12.0′	3069	29°25.8′	3156	39°49.9′	2926	19°25.3′	3155	78°41.2′	3427
18	16°41.6′	3067	28°56.8′	3168	39°19.4′	2930	19°54.3′	3146	78°13.9′	3432
19	17°11.3′	3065	28°27.8′	3181	38°48.8′	2934	20°23.4′	3138	77°46.7′	3438
20	17°40.9′	3063	27°59.0′	3195	38°18.3′	2938	20°52.5′	3131	77°19.5′	3444
21	18°10.5′	3062	27°30.2′	3209	37°47.8′	2943	21°21.7′	3124	76°52.4′	3450
22	18°40.2′	3062	27°01.6′	3223	37°17.3′	2947	21°50.9′	3118	76°25.2′	3456
23	19°09.8′	3062	26°33.0′	3238	36°46.8′	2951	22°20.2′	3113	75°58.2′	3462

Sun Sep 24, 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	44°51.6'	3288	19°39.5'	3062	22°49.5'	3108	36°16.4'	2955	26°04.6'	3254
1	45°19.7'	3292	20°09.1'	3062	23°18.8'	3103	35°46.0'	2959	25°36.2'	3270
2	45°47.8'	3295	20°38.7'	3062	23°48.2'	3100	35°15.7'	2963	25°07.9'	3287
3	46°15.9'	3299	21°08.4'	3063	24°17.6'	3096	34°45.4'	2967	24°39.8'	3305
4	46°44.0'	3302	21°38.0'	3064	24°47.0'	3093	34°15.1'	2971	24°11.8'	3324
5	47°12.0'	3306	22°07.7'	3064	25°16.4'	3091	33°44.8'	2976	23°43.8'	3344
6	47°40.1'	3310	22°37.3'	3066	25°45.9'	3088	33°14.6'	2980	23°16.1'	3364
7	48°08.1'	3313	23°06.9'	3067	26°15.4'	3086	32°44.3'	2984	22°48.4'	3386
8	48°36.0'	3317	23°36.5'	3068	26°44.8'	3084	32°14.2'	2988	22°20.9'	3409
9	49°04.0'	3320	24°06.1'	3069	27°14.3'	3083	31°44.0'	2992	21°53.5'	3433
10	49°31.9'	3323	24°35.7'	3071	27°43.8'	3082	31°13.9'	2996	21°26.3'	3459
11	49°59.9'	3327	25°05.3'	3072	28°13.3'	3081	30°43.8'	3000	20°59.3'	3487
12	50°27.7'	3330	25°34.9'	3074	28°42.9'	3080	30°13.7'	3005	20°32.4'	3516
13	50°55.6'	3334	26°04.4'	3076	29°12.4'	3079	29°43.7'	3009	20°05.7'	3547
14	51°23.5'	3337	26°34.0'	3078	29°41.9'	3078	29°13.7'	3013	19°39.1'	3580
15	51°51.3'	3340	27°03.5'	3079	30°11.4'	3078	28°43.7'	3017	19°12.8'	3615
16	52°19.1'	3343	27°33.1'	3081	30°41.0'	3078	28°13.7'	3021	18°46.7'	3653
17	52°46.9'	3346	28°02.6'	3083	31°10.5'	3078	27°43.8'	3026	18°20.9'	3693
18	53°14.6'	3350	28°32.1'	3085	31°40.1'	3078	27°13.9'	3030	17°55.2'	3737
19	53°42.4'	3353	29°01.6'	3087	32°09.6'	3078	26°44.0'	3034	17°29.8'	3784
20	54°10.1'	3356	29°31.0'	3089	32°39.1'	3078	26°14.2'	3039	17°04.7'	3834
21	54°37.8'	3359	30°00.5'	3091	33°08.7'	3078	25°44.4'	3043	16°39.9'	3889
22	55°05.5'	3362	30°30.0'	3092	33°38.2'	3078	25°14.6'	3048	16°15.4'	3949
23	55°33.2'	3365	30°59.4'	3094	34°07.7'	3079	24°44.9'	3052	15°51.2'	4013

Mon Sep 25, 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	56°00.8'	3368	24°15.2'	3057	31°28.8'	3096	34°37.3'	3079	15°27.4'	4084
1	56°28.5'	3371	23°45.5'	3061	31°58.2'	3098	35°06.8'	3080	15°04.0'	4161
2	56°56.1'	3374	23°15.8'	3066	32°27.6'	3100	35°36.3'	3080	14°41.0'	4246
3	57°23.7'	3376	22°46.2'	3071	32°57.0'	3102	36°05.8'	3081	14°18.4'	4338
4	57°51.2'	3379	22°16.6'	3076	33°26.4'	3104	36°35.4'	3082	13°56.3'	4440
5	58°18.8'	3382	21°47.1'	3081	33°55.7'	3106	37°04.9'	3082	13°34.7'	4553
6	58°46.3'	3384	21°17.6'	3086	34°25.1'	3108	37°34.4'	3083	13°13.7'	4678
7	59°13.9'	3387	20°48.1'	3092	34°54.4'	3110	38°03.9'	3084	12°53.3'	4817
8	59°41.4'	3390	20°18.7'	3097	35°23.7'	3112	38°33.4'	3085	12°33.5'	4972
9	60°08.9'	3392	19°49.3'	3103	35°53.1'	3114	39°02.9'	3086	12°14.4'	5144
10	60°36.3'	3395	19°19.9'	3109	36°22.3'	3115	39°32.3'	3086	–	–
11	61°03.8'	3397	18°50.6'	3116	36°51.6'	3117	40°01.8'	3087	–	–
12	61°31.2'	3400	18°21.3'	3122	37°20.9'	3119	40°31.3'	3088	–	–
13	61°58.7'	3402	17°52.1'	3129	37°50.2'	3121	41°00.8'	3089	–	–
14	62°26.1'	3404	17°22.9'	3136	38°19.4'	3123	41°30.2'	3090	–	–
15	62°53.5'	3407	16°53.7'	3144	38°48.6'	3124	41°59.7'	3091	–	–
16	63°20.9'	3409	16°24.6'	3152	39°17.9'	3126	42°29.1'	3092	–	–
17	63°48.2'	3411	15°55.6'	3160	39°47.1'	3128	42°58.6'	3093	–	–
18	64°15.6'	3413	15°26.6'	3170	40°16.3'	3129	43°28.0'	3093	–	–
19	64°42.9'	3415	14°57.7'	3179	40°45.5'	3131	43°57.4'	3094	–	–
20	65°10.2'	3417	14°28.8'	3190	41°14.6'	3132	44°26.9'	3095	–	–
21	65°37.6'	3419	14°00.0'	3202	41°43.8'	3134	44°56.3'	3096	–	–
22	66°04.9'	3421	13°31.3'	3214	42°13.0'	3135	45°25.7'	3097	–	–
23	66°32.2'	3423	13°02.7'	3228	42°42.1'	3137	45°55.1'	3098	–	–

Tue Sep 26, 2017 UTC

UTC	+Sun		-Saturn		+Jupiter		+Spica		+Arcturus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	66°59.4'	3425	12°34.2'	3243	43°11.2'	3138	46°24.5'	3098	49°54.1'	3916
1	67°26.7'	3427	12°05.8'	3260	43°40.4'	3140	46°53.9'	3099	50°18.5'	3905
2	67°54.0'	3428	11°37.4'	3279	44°09.5'	3141	47°23.3'	3100	50°42.9'	3894
3	68°21.2'	3430	11°09.2'	3300	44°38.6'	3142	47°52.7'	3101	51°07.4'	3884
4	68°48.4'	3432	10°41.2'	3324	45°07.7'	3144	48°22.1'	3101	51°31.9'	3874
5	69°15.7'	3433	10°13.3'	3351	45°36.8'	3145	48°51.4'	3102	51°56.5'	3864
6	69°42.9'	3435	9°45.5'	3382	46°05.9'	3146	49°20.8'	3103	52°21.1'	3855
7	70°10.1'	3436	9°18.0'	3418	46°35.0'	3147	49°50.2'	3104	52°45.8'	3846
8	70°37.3'	3438	8°50.7'	3459	47°04.0'	3148	50°19.5'	3104	53°10.6'	3837
9	71°04.5'	3439	8°23.6'	3508	47°33.1'	3149	50°48.9'	3105	53°35.4'	3828
10	71°31.7'	3440	7°56.9'	3566	48°02.1'	3150	51°18.3'	3105	54°00.2'	3820
11	71°58.8'	3442	7°30.5'	3636	48°31.2'	3151	51°47.6'	3106	54°25.1'	3811
12	72°26.0'	3443	7°04.5'	3720	49°00.2'	3152	52°17.0'	3106	54°50.1'	3803
13	72°53.1'	3444	6°39.0'	3823	49°29.3'	3153	52°46.3'	3107	55°15.1'	3796
14	73°20.3'	3445	6°14.1'	3952	49°58.3'	3154	53°15.6'	3107	55°40.1'	3788
15	73°47.4'	3446	–	–	50°27.3'	3155	53°45.0'	3108	56°05.2'	3781
16	74°14.6'	3447	–	–	50°56.3'	3156	54°14.3'	3108	56°30.3'	3773
17	74°41.7'	3448	–	–	51°25.4'	3156	54°43.6'	3108	56°55.5'	3766
18	75°08.8'	3449	–	–	51°54.4'	3157	55°13.0'	3109	57°20.7'	3759
19	75°35.9'	3450	–	–	52°23.4'	3158	55°42.3'	3109	57°45.9'	3752
20	76°03.0'	3451	–	–	52°52.4'	3158	56°11.6'	3109	58°11.2'	3746
21	76°30.2'	3451	–	–	53°21.4'	3159	56°41.0'	3109	58°36.5'	3739
22	76°57.3'	3452	–	–	53°50.4'	3159	57°10.3'	3109	59°01.9'	3733
23	77°24.4'	3453	–	–	54°19.3'	3159	57°39.6'	3110	59°27.3'	3727

Wed Sep 27, 2017 UTC

UTC	+Sun		+Spica		+Jupiter		+Antares		-Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	77°51.5'	3453	58°08.9'	3110	54°48.3'	3160	14°58.8'	4180	75°12.0'	3364
1	78°18.5'	3454	58°38.2'	3110	55°17.3'	3160	15°21.7'	4112	74°44.3'	3366
2	78°45.6'	3454	59°07.6'	3110	55°46.3'	3160	15°45.0'	4050	74°16.7'	3367
3	79°12.7'	3454	59°36.9'	3110	56°15.3'	3161	16°08.6'	3994	73°49.0'	3369
4	79°39.8'	3455	60°06.2'	3109	56°44.3'	3161	16°32.5'	3942	73°21.4'	3371
5	80°06.9'	3455	60°35.5'	3109	57°13.2'	3161	16°56.7'	3894	72°53.8'	3373
6	80°34.0'	3455	61°04.9'	3109	57°42.2'	3161	17°21.2'	3850	72°26.2'	3375
7	81°01.0'	3455	61°34.2'	3109	58°11.2'	3161	17°46.0'	3809	71°58.6'	3376
8	81°28.1'	3455	62°03.5'	3109	58°40.2'	3161	18°10.9'	3771	71°31.0'	3378
9	81°55.2'	3455	62°32.8'	3108	59°09.1'	3161	18°36.1'	3736	71°03.5'	3380
10	82°22.3'	3455	63°02.2'	3108	59°38.1'	3161	19°01.5'	3704	70°35.9'	3382
11	82°49.4'	3455	63°31.5'	3107	60°07.1'	3160	19°27.0'	3673	70°08.4'	3384
12	83°16.4'	3455	64°00.8'	3107	60°36.1'	3160	19°52.8'	3645	69°40.9'	3386
13	83°43.5'	3455	64°30.2'	3107	61°05.1'	3160	20°18.7'	3619	69°13.3'	3387
14	84°10.6'	3455	64°59.5'	3106	61°34.1'	3159	20°44.8'	3594	68°45.8'	3389
15	84°37.7'	3454	65°28.9'	3105	62°03.0'	3159	21°11.0'	3571	68°18.3'	3391
16	85°04.8'	3454	65°58.2'	3105	62°32.0'	3159	21°37.4'	3550	67°50.9'	3393
17	85°31.8'	3453	66°27.6'	3104	63°01.0'	3158	22°03.9'	3529	67°23.4'	3395
18	85°58.9'	3453	66°56.9'	3103	63°30.0'	3158	22°30.5'	3510	66°55.9'	3397
19	86°26.0'	3452	67°26.3'	3103	63°59.0'	3157	22°57.2'	3492	66°28.5'	3399
20	86°53.1'	3452	67°55.7'	3102	64°28.0'	3156	23°24.1'	3475	66°01.0'	3401
21	87°20.2'	3451	68°25.0'	3101	64°57.0'	3155	23°51.1'	3459	65°33.6'	3403
22	87°47.3'	3450	68°54.4'	3100	65°26.0'	3155	24°18.1'	3443	65°06.2'	3405
23	88°14.4'	3450	69°23.8'	3099	65°55.1'	3154	24°45.3'	3429	64°38.8'	3407

Thu Sep 28, 2017 UTC

UTC	+Sun		+Saturn		+Antares		+Spica		-Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	88°41.6'	3449	12°00.5'	3268	25°12.5'	3415	69°53.2'	3098	64°11.4'	3409
1	89°08.7'	3448	12°28.8'	3254	25°39.8'	3402	70°22.6'	3097	63°44.1'	3411
2	89°35.8'	3447	12°57.2'	3241	26°07.3'	3389	70°52.0'	3096	63°16.7'	3413
3	90°02.9'	3446	13°25.6'	3229	26°34.8'	3377	71°21.4'	3095	62°49.4'	3415
4	90°30.1'	3445	13°54.1'	3218	27°02.3'	3365	71°50.9'	3093	62°22.0'	3417
5	90°57.2'	3444	14°22.7'	3208	27°30.0'	3354	72°20.3'	3092	61°54.7'	3419
6	91°24.4'	3442	14°51.4'	3199	27°57.7'	3344	72°49.7'	3091	61°27.4'	3421
7	91°51.5'	3441	15°20.1'	3190	28°25.5'	3334	73°19.2'	3089	61°00.1'	3424
8	92°18.7'	3440	15°48.9'	3183	28°53.3'	3324	73°48.6'	3088	60°32.8'	3426
9	92°45.9'	3438	16°17.7'	3175	29°21.2'	3315	74°18.1'	3087	60°05.6'	3428
10	93°13.1'	3437	16°46.6'	3168	29°49.2'	3306	74°47.6'	3085	59°38.3'	3431
11	93°40.2'	3435	17°15.6'	3162	30°17.2'	3297	75°17.1'	3083	59°11.1'	3433
12	94°07.4'	3434	17°44.5'	3156	30°45.3'	3288	75°46.6'	3082	58°43.9'	3436
13	94°34.7'	3432	18°13.5'	3150	31°13.4'	3280	76°16.1'	3080	58°16.7'	3439
14	95°01.9'	3431	18°42.6'	3144	31°41.6'	3272	76°45.6'	3079	57°49.5'	3441
15	95°29.1'	3429	19°11.7'	3139	32°09.9'	3265	77°15.1'	3077	57°22.3'	3444
16	95°56.4'	3427	19°40.8'	3134	32°38.2'	3257	77°44.7'	3075	56°55.2'	3447
17	96°23.6'	3425	20°10.0'	3129	33°06.5'	3250	78°14.2'	3073	56°28.1'	3450
18	96°50.9'	3423	20°39.2'	3124	33°34.9'	3243	78°43.8'	3071	56°00.9'	3453
19	97°18.2'	3421	21°08.4'	3120	34°03.3'	3236	79°13.4'	3069	55°33.8'	3456
20	97°45.5'	3419	21°37.6'	3115	34°31.8'	3229	79°43.0'	3067	55°06.8'	3459
21	98°12.8'	3417	22°06.9'	3111	35°00.4'	3222	80°12.6'	3065	54°39.7'	3462
22	98°40.1'	3415	22°36.2'	3107	35°28.9'	3216	80°42.2'	3063	54°12.7'	3466
23	99°07.4'	3413	23°05.6'	3103	35°57.5'	3209	81°11.8'	3061	53°45.7'	3469

Fri Sep 29, 2017 UTC

UTC	+Sun		+Saturn		+Antares		-Formalhaut		+Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	99°34.7'	3411	23°34.9'	3098	36°26.2'	3203	53°18.7'	3473	81°41.5'	3059
1	100°02.1'	3408	24°04.3'	3094	36°54.9'	3197	52°51.7'	3476	82°11.2'	3057
2	100°29.5'	3406	24°33.8'	3091	37°23.6'	3191	52°24.8'	3480	82°40.8'	3054
3	100°56.9'	3404	25°03.2'	3087	37°52.4'	3185	51°57.8'	3484	83°10.5'	3052
4	101°24.3'	3401	25°32.7'	3083	38°21.2'	3179	51°30.9'	3488	83°40.3'	3050
5	101°51.7'	3399	26°02.2'	3079	38°50.1'	3174	51°04.1'	3493	84°10.0'	3047
6	102°19.1'	3396	26°31.7'	3075	39°19.0'	3168	50°37.2'	3497	84°39.7'	3045
7	102°46.6'	3394	27°01.3'	3071	39°47.9'	3162	50°10.4'	3502	85°09.5'	3042
8	103°14.0'	3391	27°30.9'	3068	40°16.9'	3157	49°43.6'	3507	85°39.3'	3040
9	103°41.5'	3388	28°00.5'	3064	40°45.9'	3151	49°16.9'	3512	86°09.1'	3037
10	104°09.0'	3385	28°30.1'	3060	41°14.9'	3146	48°50.1'	3517	86°38.9'	3035
11	104°36.5'	3383	28°59.7'	3056	41°44.0'	3140	48°23.4'	3522	87°08.7'	3032
12	105°04.1'	3380	29°29.4'	3053	42°13.1'	3135	47°56.8'	3528	87°38.6'	3029
13	105°31.6'	3377	29°59.1'	3049	42°42.3'	3130	47°30.1'	3533	88°08.4'	3026
14	105°59.2'	3374	30°28.9'	3045	43°11.4'	3125	47°03.5'	3539	88°38.3'	3024
15	106°26.8'	3371	30°58.6'	3042	43°40.7'	3119	46°37.0'	3546	89°08.2'	3021
16	106°54.4'	3368	31°28.4'	3038	44°09.9'	3114	46°10.5'	3552	89°38.2'	3018
17	107°22.0'	3365	31°58.2'	3034	44°39.2'	3109	45°44.0'	3559	90°08.1'	3015
18	107°49.7'	3361	32°28.1'	3030	45°08.5'	3104	45°17.5'	3566	90°38.1'	3012
19	108°17.3'	3358	32°57.9'	3027	45°37.9'	3099	44°51.1'	3574	91°08.1'	3009
20	108°45.0'	3355	33°27.8'	3023	46°07.3'	3094	44°24.8'	3581	91°38.1'	3006
21	109°12.7'	3352	33°57.7'	3019	46°36.7'	3089	43°58.5'	3589	92°08.1'	3003
22	109°40.5'	3348	34°27.7'	3015	47°06.2'	3084	43°32.2'	3598	92°38.2'	2999
23	110°08.2'	3345	34°57.6'	3011	47°35.7'	3079	43°06.0'	3606	93°08.2'	2996

Sat Sep 30, 2017 UTC

UTC	+Sun		+Saturn		+Antares		-Formalhaut		+Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	110°36.0'	3341	35°27.6'	3008	48°05.2'	3074	42°39.9'	3615	93°38.3'	2993
1	111°03.8'	3338	35°57.6'	3004	48°34.8'	3069	42°13.8'	3625	94°08.5'	2990
2	111°31.6'	3334	36°27.7'	3000	49°04.4'	3064	41°47.7'	3635	94°38.6'	2986
3	111°59.5'	3331	36°57.8'	2996	49°34.0'	3059	41°21.7'	3645	95°08.8'	2983
4	112°27.3'	3327	37°27.9'	2992	50°03.7'	3054	40°55.8'	3656	95°39.0'	2980
5	112°55.2'	3323	37°58.0'	2988	50°33.4'	3049	40°30.0'	3668	96°09.2'	2976
6	113°23.1'	3320	38°28.1'	2984	51°03.1'	3044	40°04.2'	3679	96°39.4'	2973
7	113°51.1'	3316	38°58.3'	2980	51°32.9'	3039	39°38.5'	3692	97°09.7'	2969
8	114°19.0'	3312	39°28.5'	2976	52°02.7'	3034	39°12.8'	3705	97°39.9'	2966
9	114°47.0'	3308	39°58.8'	2972	52°32.5'	3029	38°47.3'	3719	98°10.3'	2962
10	115°15.0'	3304	40°29.0'	2968	53°02.4'	3024	38°21.8'	3733	98°40.6'	2959
11	115°43.1'	3300	40°59.3'	2964	53°32.3'	3019	37°56.4'	3748	99°10.9'	2955
12	116°11.1'	3296	41°29.6'	2960	54°02.3'	3014	37°31.1'	3763	99°41.3'	2951
13	116°39.2'	3292	41°60.0'	2956	54°32.2'	3009	37°05.8'	3780	100°11.7'	2947
14	117°07.3'	3288	42°30.4'	2951	55°02.2'	3004	36°40.7'	3797	100°42.2'	2944
15	117°35.5'	3284	43°00.8'	2947	55°32.3'	2999	36°15.7'	3815	101°12.6'	2940
16	118°03.6'	3280	43°31.2'	2943	56°02.4'	2994	35°50.8'	3834	101°43.1'	2936
17	118°31.8'	3276	44°01.7'	2939	56°32.5'	2989	35°25.9'	3854	102°13.7'	2932
18	119°00.0'	3272	44°32.2'	2934	57°02.6'	2984	35°01.2'	3875	102°44.2'	2928
19	119°28.3'	3268	45°02.7'	2930	57°32.8'	2979	34°36.6'	3897	103°14.8'	2924
20	119°56.6'	3263	45°33.3'	2926	58°03.0'	2974	34°12.2'	3920	103°45.4'	2921
21	120°24.9'	3259	46°03.9'	2921	58°33.3'	2969	33°47.9'	3944	104°16.0'	2917
22	120°53.2'	3255	46°34.5'	2917	59°03.6'	2964	33°23.7'	3969	104°46.7'	2913
23	121°21.6'	3250	47°05.1'	2912	59°33.9'	2959	32°59.6'	3996	105°17.3'	2908