

Sun Jul 1, 2018 UTC

UTC	+Saturn		+Antares		+Jupiter		-Formalhaut		+Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	33°56.4'	3049	59°34.7'	3139	86°02.6'	3069	31°46.5'	4074	105°24.2'	3106
1	34°26.1'	3048	60°03.8'	3138	86°32.2'	3069	31°23.0'	4103	105°53.5'	3105
2	34°55.9'	3048	60°33.0'	3137	87°01.8'	3068	30°59.7'	4133	106°22.9'	3105
3	35°25.6'	3047	61°02.1'	3136	87°31.4'	3068	30°36.5'	4165	106°52.2'	3105
4	35°55.4'	3046	61°31.2'	3135	88°01.0'	3068	30°13.5'	4197	107°21.6'	3105
5	36°25.1'	3046	62°00.4'	3134	88°30.6'	3067	29°50.7'	4232	107°50.9'	3105
6	36°54.9'	3045	62°29.5'	3133	89°00.2'	3067	29°28.0'	4268	108°20.3'	3104
7	37°24.6'	3045	62°58.7'	3132	89°29.8'	3066	29°05.6'	4306	108°49.6'	3104
8	37°54.4'	3044	63°27.9'	3131	89°59.4'	3066	28°43.3'	4345	109°19.0'	3104
9	38°24.2'	3043	63°57.1'	3130	90°29.0'	3065	28°21.2'	4387	109°48.4'	3103
10	38°53.9'	3043	64°26.2'	3129	90°58.7'	3065	27°59.4'	4431	110°17.7'	3103
11	39°23.7'	3042	64°55.4'	3128	91°28.3'	3064	27°37.8'	4476	110°47.1'	3103
12	39°53.5'	3041	65°24.6'	3126	91°57.9'	3064	27°16.3'	4525	111°16.5'	3102
13	40°23.3'	3040	65°53.8'	3125	92°27.5'	3063	26°55.2'	4576	111°45.8'	3102
14	40°53.1'	3040	66°23.1'	3124	92°57.2'	3062	26°34.3'	4629	112°15.2'	3102
15	41°22.9'	3039	66°52.3'	3123	93°26.8'	3062	26°13.6'	4685	112°44.6'	3101
16	41°52.7'	3038	67°21.5'	3122	93°56.5'	3061	25°53.2'	4745	113°14.0'	3101
17	42°22.5'	3037	67°50.8'	3120	94°26.1'	3060	25°33.1'	4808	113°43.4'	3100
18	42°52.3'	3036	68°20.0'	3119	94°55.8'	3060	25°13.2'	4874	114°12.7'	3100
19	43°22.1'	3035	68°49.3'	3118	95°25.4'	3059	24°53.7'	4944	114°42.1'	3099
20	43°51.9'	3034	69°18.5'	3117	95°55.1'	3058	24°34.5'	5018	115°11.5'	3098
21	44°21.8'	3033	69°47.8'	3115	96°24.8'	3057	24°15.6'	5097	115°40.9'	3098
22	44°51.6'	3032	70°17.1'	3114	96°54.5'	3056	23°57.0'	5180	116°10.3'	3097
23	45°21.5'	3031	70°46.4'	3113	97°24.1'	3055	23°38.8'	5268	116°39.7'	3097

Mon Jul 2, 2018 UTC

UTC	+Mars		+Saturn		+Antares		+Jupiter		-Aldebaran	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	12°48.0'	3339	45°51.3'	3030	71°15.7'	3111	97°53.8'	3054	108°28.3'	3053
1	13°15.8'	3316	46°21.2'	3029	71°45.0'	3110	98°23.5'	3053	107°58.6'	3052
2	13°43.8'	3295	46°51.1'	3028	72°14.3'	3108	98°53.2'	3052	107°28.9'	3051
3	14°11.9'	3276	47°21.0'	3026	72°43.7'	3107	99°23.0'	3051	106°59.2'	3050
4	14°40.1'	3258	47°50.8'	3025	73°13.0'	3105	99°52.7'	3050	106°29.4'	3049
5	15°08.4'	3243	48°20.7'	3024	73°42.3'	3104	100°22.4'	3049	105°59.7'	3048
6	15°36.8'	3228	48°50.6'	3023	74°11.7'	3102	100°52.1'	3048	105°30.0'	3046
7	16°05.4'	3215	49°20.6'	3021	74°41.1'	3101	101°21.9'	3047	105°00.2'	3045
8	16°34.0'	3202	49°50.5'	3020	75°10.5'	3099	101°51.6'	3045	104°30.5'	3044
9	17°02.7'	3191	50°20.4'	3019	75°39.8'	3098	102°21.4'	3044	104°00.7'	3042
10	17°31.5'	3180	50°50.4'	3017	76°09.2'	3096	102°51.2'	3043	103°30.9'	3041
11	18°00.3'	3170	51°20.3'	3016	76°38.7'	3094	103°20.9'	3041	103°01.1'	3039
12	18°29.3'	3160	51°50.3'	3014	77°08.1'	3093	103°50.7'	3040	102°31.3'	3038
13	18°58.2'	3152	52°20.3'	3013	77°37.5'	3091	104°20.5'	3039	102°01.5'	3037
14	19°27.3'	3143	52°50.2'	3011	78°07.0'	3089	104°50.3'	3037	101°31.7'	3035
15	19°56.4'	3135	53°20.2'	3009	78°36.4'	3087	105°20.1'	3036	101°01.9'	3033
16	20°25.5'	3128	53°50.2'	3008	79°05.9'	3086	105°50.0'	3034	100°32.0'	3032
17	20°54.7'	3121	54°20.3'	3006	79°35.4'	3084	106°19.8'	3033	100°02.2'	3030
18	21°24.0'	3114	54°50.3'	3004	80°04.9'	3082	106°49.6'	3031	99°32.3'	3028
19	21°53.3'	3107	55°20.3'	3003	80°34.4'	3080	107°19.5'	3030	99°02.4'	3027
20	22°22.6'	3101	55°50.4'	3001	81°03.9'	3078	107°49.4'	3028	98°32.5'	3025
21	22°52.0'	3095	56°20.4'	2999	81°33.4'	3076	108°19.2'	3026	98°02.6'	3023
22	23°21.4'	3089	56°50.5'	2997	82°03.0'	3074	108°49.1'	3025	97°32.7'	3021
23	23°50.9'	3083	57°20.6'	2995	82°32.6'	3072	109°19.0'	3023	97°02.8'	3019

Tue Jul 3, 2018 UTC

UTC	+Mars		+Saturn		+Antares		-Aldebaran		+Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	24°20.4'	3078	57°50.7'	2993	83°02.1'	3070	96°32.9'	3018	109°48.9'	3021
1	24°49.9'	3073	58°20.8'	2991	83°31.7'	3068	96°02.9'	3016	110°18.9'	3019
2	25°19.5'	3067	58°51.0'	2989	84°01.3'	3066	95°33.0'	3014	110°48.8'	3017
3	25°49.1'	3062	59°21.1'	2987	84°30.9'	3064	95°03.0'	3012	111°18.8'	3016
4	26°18.7'	3057	59°51.3'	2985	85°00.6'	3062	94°33.0'	3010	111°48.7'	3014
5	26°48.4'	3053	60°21.4'	2983	85°30.2'	3060	94°03.0'	3007	112°18.7'	3012
6	27°18.1'	3048	60°51.6'	2981	85°59.9'	3058	93°33.0'	3005	112°48.7'	3010
7	27°47.9'	3043	61°21.8'	2979	86°29.5'	3055	93°02.9'	3003	113°18.7'	3008
8	28°17.6'	3039	61°52.0'	2977	86°59.2'	3053	92°32.9'	3001	113°48.7'	3006
9	28°47.4'	3034	62°22.3'	2974	87°28.9'	3051	92°02.8'	2999	114°18.7'	3003
10	29°17.3'	3030	62°52.5'	2972	87°58.7'	3048	91°32.7'	2996	114°48.8'	3001
11	29°47.1'	3026	63°22.8'	2970	88°28.4'	3046	91°02.6'	2994	115°18.8'	2999
12	30°17.0'	3021	63°53.1'	2967	88°58.2'	3044	90°32.5'	2992	115°48.9'	2997
13	30°46.9'	3017	64°23.4'	2965	89°27.9'	3041	90°02.4'	2989	116°19.0'	2995
14	31°16.9'	3013	64°53.7'	2962	89°57.7'	3039	89°32.2'	2987	116°49.1'	2992
15	31°46.9'	3009	65°24.0'	2960	90°27.5'	3036	89°02.1'	2984	117°19.2'	2990
16	32°16.9'	3005	65°54.4'	2957	90°57.3'	3034	88°31.9'	2982	117°49.4'	2988
17	32°46.9'	3000	66°24.7'	2955	91°27.2'	3031	88°01.7'	2979	118°19.5'	2985
18	33°17.0'	2996	66°55.1'	2952	91°57.0'	3029	87°31.5'	2976	118°49.7'	2983
19	33°47.1'	2992	67°25.5'	2949	92°26.9'	3026	87°01.2'	2974	119°19.9'	2980
20	34°17.2'	2988	67°56.0'	2947	92°56.8'	3023	86°31.0'	2971	119°50.1'	2978
21	34°47.4'	2984	68°26.4'	2944	93°26.7'	3021	86°00.7'	2968	120°20.3'	2975
22	35°17.6'	2980	68°56.9'	2941	93°56.6'	3018	85°30.4'	2965	120°50.6'	2973
23	35°47.8'	2976	69°27.3'	2938	94°26.6'	3015	85°00.1'	2963	121°20.8'	2970

Wed Jul 4, 2018 UTC

UTC	-Sun		+Mars		+Saturn		-Aldebaran		+Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	116°41.2'	3317	36°18.0'	2972	69°57.8'	2936	84°29.8'	2960	94°56.6'	3012
1	116°13.3'	3314	36°48.3'	2968	70°28.4'	2933	83°59.4'	2957	95°26.5'	3009
2	115°45.3'	3311	37°18.6'	2964	70°58.9'	2930	83°29.1'	2954	95°56.6'	3007
3	115°17.3'	3308	37°48.9'	2960	71°29.5'	2927	82°58.7'	2951	96°26.6'	3004
4	114°49.3'	3304	38°19.2'	2956	72°00.0'	2924	82°28.3'	2948	96°56.6'	3001
5	114°21.3'	3301	38°49.6'	2952	72°30.6'	2921	81°57.8'	2945	97°26.7'	2998
6	113°53.2'	3297	39°20.0'	2948	73°01.3'	2917	81°27.4'	2942	97°56.8'	2995
7	113°25.1'	3294	39°50.5'	2944	73°31.9'	2914	80°56.9'	2938	98°26.9'	2992
8	112°57.0'	3290	40°20.9'	2940	74°02.6'	2911	80°26.4'	2935	98°57.0'	2989
9	112°28.9'	3287	40°51.4'	2935	74°33.3'	2908	79°55.9'	2932	99°27.2'	2986
10	112°00.7'	3283	41°21.9'	2931	75°04.0'	2905	79°25.3'	2929	99°57.3'	2983
11	111°32.6'	3279	41°52.5'	2927	75°34.7'	2901	78°54.7'	2925	100°27.5'	2979
12	111°04.4'	3276	42°23.1'	2923	76°05.5'	2898	78°24.2'	2922	100°57.7'	2976
13	110°36.2'	3272	42°53.7'	2919	76°36.3'	2894	77°53.5'	2919	101°28.0'	2973
14	110°07.9'	3268	43°24.3'	2915	77°07.1'	2891	77°22.9'	2915	101°58.2'	2970
15	109°39.6'	3264	43°55.0'	2911	77°37.9'	2888	76°52.2'	2912	102°28.5'	2966
16	109°11.3'	3260	44°25.7'	2906	78°08.8'	2884	76°21.5'	2908	102°58.8'	2963
17	108°43.0'	3257	44°56.4'	2902	78°39.7'	2880	75°50.8'	2904	103°29.1'	2960
18	108°14.7'	3253	45°27.2'	2898	79°10.6'	2877	75°20.1'	2901	103°59.5'	2956
19	107°46.3'	3249	45°57.9'	2893	79°41.5'	2873	74°49.3'	2897	104°29.9'	2953
20	107°17.9'	3244	46°28.8'	2889	80°12.5'	2869	74°18.5'	2893	105°00.3'	2950
21	106°49.5'	3240	46°59.6'	2885	80°43.5'	2866	73°47.7'	2890	105°30.7'	2946
22	106°21.0'	3236	47°30.5'	2880	81°14.5'	2862	73°16.9'	2886	106°01.1'	2943
23	105°52.5'	3232	48°01.4'	2876	81°45.5'	2858	72°46.0'	2882	106°31.6'	2939

Thu Jul 5, 2018 UTC

UTC	−Sun		+Mars		−Aldebaran		+Saturn		−Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	105°24.0′	3228	48°32.3′	2872	72°15.1′	2878	82°16.6′	2854	90°18.0′	2987
1	104°55.5′	3224	49°03.3′	2867	71°44.2′	2874	82°47.7′	2850	89°47.9′	2983
2	104°26.9′	3219	49°34.3′	2863	71°13.2′	2870	83°18.8′	2846	89°17.7′	2979
3	103°58.3′	3215	50°05.4′	2858	70°42.2′	2866	83°50.0′	2842	88°47.4′	2975
4	103°29.7′	3210	50°36.4′	2854	70°11.2′	2862	84°21.2′	2838	88°17.2′	2971
5	103°01.1′	3206	51°07.5′	2849	69°40.2′	2858	84°52.4′	2834	87°46.9′	2967
6	102°32.4′	3201	51°38.7′	2844	69°09.1′	2854	85°23.6′	2830	87°16.6′	2963
7	102°03.7′	3197	52°09.8′	2840	68°38.0′	2850	85°54.9′	2826	86°46.3′	2959
8	101°35.0′	3192	52°41.0′	2835	68°06.9′	2846	86°26.2′	2822	86°15.9′	2955
9	101°06.2′	3188	53°12.3′	2830	67°35.7′	2842	86°57.5′	2818	85°45.6′	2951
10	100°37.4′	3183	53°43.5′	2826	67°04.5′	2837	87°28.9′	2813	85°15.1′	2947
11	100°08.6′	3178	54°14.8′	2821	66°33.3′	2833	88°00.3′	2809	84°44.7′	2942
12	99°39.7′	3174	54°46.2′	2816	66°02.1′	2829	88°31.7′	2805	84°14.2′	2938
13	99°10.8′	3169	55°17.5′	2811	65°30.8′	2824	89°03.1′	2800	83°43.7′	2934
14	98°41.9′	3164	55°49.0′	2807	64°59.5′	2820	89°34.6′	2796	83°13.2′	2930
15	98°12.9′	3159	56°20.4′	2802	64°28.1′	2815	90°06.1′	2792	82°42.6′	2926
16	97°43.9′	3154	56°51.9′	2797	63°56.8′	2811	90°37.7′	2787	82°12.0′	2921
17	97°14.9′	3149	57°23.4′	2792	63°25.3′	2806	91°09.3′	2783	81°41.4′	2917
18	96°45.8′	3144	57°54.9′	2787	62°53.9′	2802	91°40.9′	2778	81°10.8′	2913
19	96°16.8′	3139	58°26.5′	2782	62°22.4′	2797	92°12.5′	2773	80°40.1′	2909
20	95°47.6′	3134	58°58.1′	2777	61°50.9′	2792	92°44.2′	2769	80°09.4′	2904
21	95°18.5′	3129	59°29.8′	2772	61°19.4′	2788	93°15.9′	2764	79°38.6′	2900
22	94°49.3′	3124	60°01.5′	2767	60°47.8′	2783	93°47.7′	2759	79°07.9′	2896
23	94°20.1′	3119	60°33.2′	2762	60°16.2′	2778	94°19.5′	2755	78°37.1′	2891

Fri Jul 6, 2018 UTC

UTC	−Sun		−Aldebaran		+Mars		+Formalhaut		−Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	93°50.8′	3113	59°44.5′	2773	61°05.0′	2757	38°30.3′	3425	78°06.2′	2887
1	93°21.5′	3108	59°12.8′	2768	61°36.8′	2751	38°57.6′	3405	77°35.4′	2882
2	92°52.2′	3103	58°41.1′	2763	62°08.6′	2746	39°25.0′	3386	77°04.5′	2878
3	92°22.8′	3097	58°09.4′	2759	62°40.5′	2741	39°52.5′	3367	76°33.5′	2874
4	91°53.4′	3092	57°37.6′	2754	63°12.4′	2736	40°20.2′	3349	76°02.6′	2869
5	91°24.0′	3086	57°05.8′	2749	63°44.4′	2731	40°47.9′	3332	75°31.6′	2865
6	90°54.5′	3081	56°33.9′	2744	64°16.4′	2725	41°15.8′	3314	75°00.6′	2860
7	90°25.0′	3076	56°02.0′	2738	64°48.4′	2720	41°43.7′	3297	74°29.5′	2856
8	89°55.4′	3070	55°30.0′	2733	65°20.5′	2714	42°11.8′	3281	73°58.4′	2851
9	89°25.8′	3064	54°58.1′	2728	65°52.6′	2709	42°40.0′	3265	73°27.3′	2847
10	88°56.2′	3059	54°26.1′	2723	66°24.8′	2704	43°08.3′	3249	72°56.2′	2842
11	88°26.5′	3053	53°54.0′	2718	66°57.0′	2698	43°36.7′	3233	72°25.0′	2838
12	87°56.8′	3047	53°21.9′	2713	67°29.2′	2693	44°05.2′	3218	71°53.8′	2833
13	87°27.1′	3042	52°49.8′	2707	68°01.5′	2687	44°33.8′	3203	71°22.5′	2829
14	86°57.3′	3036	52°17.6′	2702	68°33.8′	2682	45°02.5′	3189	70°51.2′	2824
15	86°27.5′	3030	51°45.4′	2697	69°06.1′	2676	45°31.3′	3175	70°19.9′	2820
16	85°57.6′	3024	51°13.2′	2691	69°38.5′	2671	46°00.2′	3161	69°48.6′	2815
17	85°27.7′	3019	50°40.9′	2686	70°11.0′	2665	46°29.1′	3147	69°17.2′	2811
18	84°57.8′	3013	50°08.6′	2681	70°43.5′	2659	46°58.2′	3133	68°45.8′	2806
19	84°27.8′	3007	49°36.2′	2675	71°16.0′	2654	47°27.4′	3120	68°14.3′	2802
20	83°57.7′	3001	49°03.8′	2670	71°48.6′	2648	47°56.6′	3107	67°42.9′	2797
21	83°27.7′	2995	48°31.3′	2664	72°21.2′	2642	48°26.0′	3094	67°11.3′	2793
22	82°57.6′	2989	47°58.8′	2659	72°53.8′	2637	48°55.4′	3082	66°39.8′	2788
23	82°27.4′	2983	47°26.3′	2653	73°26.5′	2631	49°24.9′	3069	66°08.2′	2784

Sat Jul 7, 2018 UTC

UTC	−Sun		−Aldebaran		+Mars		−Betelgeuse		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	81°57.2'	2977	46°53.7'	2648	73°59.3'	2625	65°36.6'	2779	49°54.5'	3057
1	81°27.0'	2971	46°21.1'	2642	74°32.0'	2619	65°05.0'	2775	50°24.2'	3045
2	80°56.7'	2965	45°48.5'	2636	75°04.9'	2613	64°33.3'	2770	50°53.9'	3033
3	80°26.4'	2958	45°15.8'	2631	75°37.7'	2608	64°01.6'	2766	51°23.8'	3021
4	79°56.0'	2952	44°43.0'	2625	76°10.6'	2602	63°29.9'	2762	51°53.7'	3010
5	79°25.6'	2946	44°10.3'	2619	76°43.6'	2596	62°58.1'	2757	52°23.7'	2998
6	78°55.2'	2940	43°37.4'	2614	77°16.6'	2590	62°26.3'	2753	52°53.8'	2987
7	78°24.7'	2934	43°04.6'	2608	77°49.7'	2584	61°54.5'	2748	53°23.9'	2976
8	77°54.2'	2927	42°31.6'	2602	78°22.8'	2578	61°22.6'	2744	53°54.2'	2965
9	77°23.6'	2921	41°58.7'	2596	78°55.9'	2572	60°50.7'	2740	54°24.5'	2954
10	76°53.0'	2915	41°25.7'	2590	79°29.1'	2566	60°18.8'	2736	54°54.9'	2944
11	76°22.3'	2908	40°52.6'	2585	80°02.3'	2560	59°46.8'	2731	55°25.4'	2933
12	75°51.6'	2902	40°19.6'	2579	80°35.6'	2554	59°14.8'	2727	55°55.9'	2923
13	75°20.8'	2896	39°46.4'	2573	81°08.9'	2548	58°42.8'	2723	56°26.5'	2912
14	74°50.0'	2889	39°13.2'	2567	81°42.3'	2542	58°10.8'	2719	56°57.2'	2902
15	74°19.2'	2883	38°40.0'	2561	82°15.7'	2536	57°38.7'	2715	57°27.9'	2892
16	73°48.3'	2876	38°06.7'	2555	82°49.2'	2530	57°06.6'	2711	57°58.8'	2882
17	73°17.3'	2870	37°33.4'	2549	83°22.7'	2524	56°34.4'	2707	58°29.7'	2872
18	72°46.4'	2864	37°00.1'	2543	83°56.2'	2518	56°02.3'	2703	59°00.6'	2862
19	72°15.3'	2857	36°26.7'	2537	84°29.8'	2512	55°30.1'	2699	59°31.7'	2853
20	71°44.3'	2851	35°53.2'	2531	85°03.5'	2506	54°57.8'	2696	60°02.8'	2843
21	71°13.1'	2844	35°19.7'	2525	85°37.2'	2499	54°25.6'	2692	60°34.0'	2834
22	70°42.0'	2838	34°46.2'	2520	86°10.9'	2493	53°53.3'	2688	61°05.2'	2824
23	70°10.7'	2831	34°12.6'	2514	86°44.7'	2487	53°21.0'	2685	61°36.5'	2815

Sun Jul 8, 2018 UTC

UTC	−Sun		−Aldebaran		−Betelgeuse		+Formalhaut		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	69°39.5'	2825	33°39.0'	2508	52°48.7'	2681	62°07.9'	2806	87°18.5'	2481
1	69°08.2'	2818	33°05.3'	2502	52°16.3'	2678	62°39.3'	2797	87°52.4'	2475
2	68°36.8'	2811	32°31.5'	2496	51°43.9'	2675	63°10.9'	2788	88°26.4'	2469
3	68°05.4'	2805	31°57.8'	2490	51°11.5'	2671	63°42.4'	2779	89°00.4'	2463
4	67°34.0'	2798	31°23.9'	2484	50°39.1'	2668	64°14.1'	2770	89°34.4'	2456
5	67°02.5'	2792	30°50.1'	2478	50°06.6'	2665	64°45.8'	2761	90°08.5'	2450
6	66°30.9'	2785	30°16.2'	2471	49°34.1'	2663	65°17.6'	2752	90°42.6'	2444
7	65°59.3'	2779	29°42.2'	2465	49°01.6'	2660	65°49.4'	2744	91°16.8'	2438
8	65°27.7'	2772	29°08.2'	2459	48°29.1'	2657	66°21.3'	2735	91°51.0'	2432
9	64°56.0'	2765	28°34.1'	2453	47°56.6'	2655	66°53.3'	2727	92°25.3'	2426
10	64°24.2'	2759	28°00.0'	2447	47°24.0'	2652	67°25.3'	2718	92°59.6'	2419
11	63°52.4'	2752	27°25.9'	2441	46°51.4'	2650	67°57.4'	2710	93°34.0'	2413
12	63°20.6'	2746	26°51.7'	2435	46°18.8'	2648	68°29.5'	2702	94°08.4'	2407
13	62°48.7'	2739	26°17.4'	2429	45°46.2'	2646	69°01.7'	2693	94°42.9'	2401
14	62°16.8'	2733	25°43.1'	2424	45°13.6'	2644	69°34.0'	2685	95°17.4'	2395
15	61°44.8'	2726	25°08.8'	2418	44°41.0'	2643	70°06.3'	2677	95°51.9'	2389
16	61°12.8'	2719	24°34.4'	2412	44°08.3'	2642	70°38.7'	2669	96°26.6'	2383
17	60°40.7'	2713	23°60.0'	2406	43°35.7'	2640	71°11.2'	2661	97°01.2'	2376
18	60°08.6'	2706	23°25.5'	2400	43°03.0'	2640	71°43.7'	2653	97°35.9'	2370
19	59°36.4'	2700	22°51.0'	2394	42°30.3'	2639	72°16.2'	2646	98°10.7'	2364
20	59°04.2'	2693	22°16.4'	2388	41°57.6'	2638	72°48.9'	2638	98°45.5'	2358
21	58°31.9'	2687	21°41.8'	2382	41°25.0'	2638	73°21.6'	2630	99°20.4'	2352
22	57°59.6'	2680	21°07.1'	2377	40°52.3'	2638	73°54.3'	2623	99°55.3'	2346
23	57°27.2'	2673	20°32.4'	2371	40°19.6'	2639	74°27.1'	2615	100°30.2'	2340

Mon Jul 9, 2018 UTC

UTC	−Sun		−Aldebaran		−Betelgeuse		+Formalhaut		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	56°54.8′	2667	19°57.6′	2365	39°46.9′	2639	74°60.0′	2608	101°05.3′	2334
1	56°22.3′	2660	19°22.8′	2359	39°14.2′	2640	75°32.9′	2600	101°40.3′	2328
2	55°49.8′	2654	18°48.0′	2354	38°41.6′	2642	76°05.8′	2593	102°15.4′	2322
3	55°17.2′	2647	18°13.1′	2348	38°08.9′	2644	76°38.9′	2586	102°50.6′	2316
4	54°44.6′	2641	17°38.1′	2343	37°36.3′	2646	77°12.0′	2579	103°25.8′	2310
5	54°12.0′	2635	17°03.2′	2337	37°03.6′	2648	77°45.1′	2572	104°01.0′	2304
6	53°39.3′	2628	16°28.1′	2332	36°31.0′	2651	78°18.3′	2564	104°36.3′	2298
7	53°06.5′	2622	15°53.1′	2327	35°58.5′	2655	78°51.5′	2558	105°11.7′	2292
8	52°33.7′	2615	15°17.9′	2322	35°25.9′	2659	79°24.8′	2551	105°47.1′	2286
9	52°00.8′	2609	14°42.8′	2317	34°53.4′	2663	79°58.2′	2544	106°22.5′	2280
10	51°27.9′	2603	14°07.6′	2312	34°20.9′	2668	80°31.6′	2537	106°58.0′	2275
11	50°55.0′	2596	13°32.4′	2307	33°48.4′	2674	81°05.0′	2530	107°33.5′	2269
12	50°22.0′	2590	12°57.1′	2303	33°16.0′	2680	81°38.5′	2524	108°09.1′	2263
13	49°48.9′	2584	12°21.8′	2299	32°43.6′	2687	82°12.1′	2517	108°44.7′	2257
14	49°15.8′	2578	11°46.4′	2295	32°11.3′	2695	82°45.7′	2511	109°20.4′	2251
15	48°42.7′	2571	11°11.1′	2291	31°39.0′	2703	83°19.3′	2504	109°56.2′	2246
16	48°09.5′	2565	10°35.7′	2288	31°06.8′	2713	83°53.1′	2498	110°31.9′	2240
17	47°36.3′	2559	10°00.2′	2285	30°34.7′	2723	84°26.8′	2492	111°07.8′	2235
18	47°03.0′	2553	9°24.8′	2283	30°02.7′	2735	85°00.6′	2486	111°43.6′	2229
19	46°29.6′	2547	8°49.3′	2282	29°30.7′	2747	85°34.5′	2480	112°19.5′	2223
20	45°56.3′	2541	8°13.8′	2282	28°58.8′	2761	86°08.4′	2474	112°55.5′	2218
21	45°22.8′	2535	7°38.4′	2284	28°27.0′	2775	86°42.3′	2468	113°31.5′	2213
22	44°49.4′	2529	7°02.9′	2287	27°55.4′	2792	87°16.3′	2462	114°07.5′	2207
23	44°15.9′	2523	6°27.5′	2294	27°23.8′	2809	87°50.3′	2456	114°43.6′	2202

Tue Jul 10, 2018 UTC

UTC	−Sun		−Aldebaran		−Betelgeuse		+Formalhaut		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	43°42.3′	2517	5°52.1′	2304	26°52.4′	2829	88°24.4′	2450	115°19.8′	2196
1	43°08.7′	2511	5°16.8′	2321	26°21.1′	2850	88°58.6′	2445	115°56.0′	2191
2	42°35.0′	2506	4°41.6′	2347	25°50.0′	2872	89°32.7′	2439	116°32.2′	2186
3	42°01.3′	2500	4°06.7′	2389	25°19.0′	2897	90°06.9′	2434	117°08.5′	2181
4	41°27.6′	2494	3°32.1′	2461	24°48.2′	2925	90°41.2′	2429	117°44.8′	2176
5	40°53.8′	2488	–	–	24°17.6′	2954	91°15.5′	2423	118°21.1′	2171
6	40°20.0′	2483	–	–	23°47.3′	2987	91°49.8′	2418	118°57.5′	2165
7	39°46.1′	2477	–	–	23°17.1′	3022	92°24.2′	2413	119°34.0′	2161
8	39°12.2′	2472	–	–	22°47.2′	3060	92°58.6′	2408	120°10.5′	2156
9	38°38.2′	2466	–	–	22°17.5′	3103	93°33.1′	2403	120°47.0′	2151
10	38°04.2′	2461	–	–	21°48.1′	3149	94°07.6′	2398	121°23.6′	2146
11	37°30.2′	2455	–	–	21°19.1′	3199	94°42.1′	2394	122°00.2′	2141
12	36°56.1′	2450	–	–	20°50.4′	3254	95°16.7′	2389	122°36.8′	2137
13	36°22.0′	2445	–	–	20°22.0′	3315	95°51.3′	2385	123°13.5′	2132
14	35°47.8′	2440	–	–	19°54.0′	3382	96°26.0′	2380	123°50.2′	2127
15	35°13.6′	2435	3°29.5′	2332	19°26.5′	3455	97°00.7′	2376	124°27.0′	2123
16	34°39.3′	2430	4°04.5′	2277	18°59.4′	3536	97°35.4′	2372	125°03.8′	2118
17	34°05.0′	2425	4°40.0′	2239	18°32.8′	3625	98°10.1′	2368	125°40.6′	2114
18	33°30.7′	2420	5°15.9′	2212	18°06.8′	3723	98°44.9′	2364	126°17.5′	2110
19	32°56.3′	2415	5°51.9′	2191	17°41.3′	3832	99°19.7′	2360	126°54.4′	2106
20	32°21.9′	2410	6°28.2′	2174	17°16.5′	3954	99°54.6′	2356	127°31.4′	2102
21	31°47.5′	2405	7°04.5′	2160	16°52.4′	4088	100°29.5′	2353	128°08.3′	2098
22	31°13.0′	2400	7°41.0′	2148	16°29.0′	4239	101°04.4′	2349	128°45.3′	2094
23	30°38.5′	2396	8°17.6′	2138	–	–	101°39.3′	2346	129°22.4′	2090

Wed Jul 11, 2018 UTC

UTC	+Aldebaran		+Formalhaut		+Achernar	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	8°54.3'	2129	102°14.3'	2342	88°19.7'	4603
1	9°31.0'	2121	102°49.2'	2339	88°40.5'	4597
2	10°07.8'	2114	103°24.3'	2336	89°01.3'	4592
3	10°44.7'	2107	103°59.3'	2333	89°22.1'	4587
4	11°21.7'	2100	104°34.4'	2331	89°43.0'	4582
5	11°58.7'	2094	105°09.4'	2328	90°03.9'	4578
6	12°35.7'	2089	105°44.5'	2326	90°24.8'	4575
7	13°12.8'	2083	106°19.7'	2323	90°45.7'	4572
8	13°49.9'	2078	106°54.8'	2321	91°06.7'	4569
9	14°27.1'	2073	107°30.0'	2319	91°27.6'	4566
10	15°04.3'	2069	108°05.1'	2317	91°48.6'	4564
11	15°41.6'	2064	108°40.3'	2315	92°09.6'	4563
12	16°18.9'	2060	109°15.5'	2314	92°30.5'	4562
13	16°56.2'	2056	109°50.8'	2312	92°51.5'	4561
14	17°33.6'	2051	110°26.0'	2311	93°12.5'	4561
15	18°11.0'	2048	111°01.2'	2310	93°33.5'	4561
16	18°48.5'	2044	111°36.5'	2309	93°54.5'	4562
17	19°25.9'	2040	112°11.7'	2308	94°15.5'	4563
18	20°03.5'	2036	112°47.0'	2307	94°36.5'	4564
19	20°41.0'	2033	113°22.3'	2307	94°57.5'	4566
20	21°18.6'	2030	113°57.6'	2306	95°18.4'	4569
21	21°56.2'	2026	114°32.8'	2306	95°39.4'	4571
22	22°33.8'	2023	115°08.1'	2306	96°00.3'	4575
23	23°11.5'	2020	115°43.4'	2307	96°21.2'	4579

Thu Jul 12, 2018 UTC

UTC	+Aldebaran		+Formalhaut		+Rigel	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	23°49.1'	2017	116°18.7'	2307	32°23.8'	4745
1	24°26.9'	2014	116°54.0'	2308	32°43.9'	4645
2	25°04.6'	2011	117°29.2'	2309	33°04.5'	4550
3	25°42.3'	2009	118°04.5'	2310	33°25.6'	4459
4	26°20.1'	2006	118°39.7'	2311	33°47.1'	4373
5	26°57.9'	2004	119°15.0'	2312	34°09.0'	4292
6	27°35.8'	2001	119°50.2'	2314	34°31.3'	4214
7	28°13.6'	1999	120°25.4'	2316	34°54.0'	4140
8	28°51.5'	1997	121°00.6'	2318	35°17.2'	4069
9	29°29.4'	1995	121°35.8'	2321	35°40.7'	4002
10	30°07.3'	1993	122°11.0'	2323	36°04.6'	3938
11	30°45.2'	1991	122°46.1'	2326	36°28.8'	3877
12	31°23.1'	1989	123°21.2'	2330	36°53.4'	3819
13	32°01.1'	1987	123°56.3'	2333	37°18.3'	3763
14	32°39.1'	1985	124°31.4'	2337	37°43.5'	3710
15	33°17.0'	1984	125°06.4'	2341	38°09.0'	3660
16	33°55.0'	1982	125°41.4'	2345	38°34.9'	3611
17	34°33.0'	1981	126°16.4'	2350	39°01.0'	3565
18	35°11.1'	1980	126°51.3'	2355	39°27.4'	3521
19	35°49.1'	1978	127°26.2'	2360	39°54.1'	3478
20	36°27.2'	1977	128°01.0'	2366	40°21.0'	3438
21	37°05.2'	1976	128°35.8'	2372	40°48.2'	3399
22	37°43.3'	1975	129°10.6'	2378	41°15.6'	3362
23	38°21.4'	1974	129°45.3'	2385	41°43.3'	3327

Sat Jul 14, 2018 UTC

UTC	–Regulus		–Venus		–Spica		–Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	25°59.4'	1991	30°16.5'	2313	79°60.0'	2017	99°15.9'	1996
1	25°21.4'	1993	29°41.3'	2315	79°22.3'	2018	98°38.0'	1997
2	24°43.5'	1995	29°06.0'	2317	78°44.6'	2020	98°00.1'	1999
3	24°05.6'	1997	28°30.9'	2319	78°06.9'	2022	97°22.2'	2000
4	23°27.7'	2000	27°55.7'	2321	77°29.2'	2024	96°44.4'	2002
5	22°49.9'	2002	27°20.5'	2323	76°51.6'	2026	96°06.6'	2004
6	22°12.0'	2005	26°45.4'	2326	76°13.9'	2028	95°28.7'	2006
7	21°34.2'	2008	26°10.3'	2328	75°36.3'	2030	94°50.9'	2008
8	20°56.4'	2010	25°35.2'	2331	74°58.7'	2032	94°13.1'	2010
9	20°18.7'	2014	25°00.1'	2333	74°21.1'	2035	93°35.4'	2012
10	19°40.9'	2017	24°25.0'	2336	73°43.6'	2037	92°57.6'	2014
11	19°03.2'	2020	23°50.0'	2339	73°06.1'	2040	92°19.9'	2017
12	18°25.5'	2024	23°15.0'	2342	72°28.5'	2042	91°42.2'	2019
13	17°47.9'	2028	22°40.0'	2345	71°51.1'	2045	91°04.5'	2022
14	17°10.3'	2032	22°05.0'	2348	71°13.6'	2048	90°26.8'	2024
15	16°32.7'	2036	21°30.1'	2352	70°36.1'	2051	89°49.2'	2027
16	15°55.1'	2041	20°55.2'	2355	69°58.7'	2054	89°11.5'	2029
17	15°17.6'	2046	20°20.3'	2359	69°21.3'	2057	88°33.9'	2032
18	14°40.2'	2051	19°45.4'	2363	68°44.0'	2060	87°56.4'	2035
19	14°02.8'	2057	19°10.6'	2367	68°06.6'	2063	87°18.8'	2038
20	13°25.4'	2063	18°35.8'	2371	67°29.3'	2067	86°41.3'	2041
21	12°48.1'	2070	18°01.0'	2375	66°52.0'	2070	86°03.8'	2044
22	12°10.8'	2078	17°26.3'	2380	66°14.8'	2074	85°26.3'	2048
23	11°33.6'	2086	16°51.6'	2385	65°37.6'	2077	84°48.9'	2051

Sun Jul 15, 2018 UTC

UTC	–Regulus		–Venus		–Spica		–Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	10°56.5'	2095	16°17.0'	2390	65°00.4'	2081	84°11.4'	2054
1	10°19.5'	2106	15°42.4'	2395	64°23.2'	2085	83°34.0'	2058
2	9°42.6'	2118	15°07.8'	2400	63°46.1'	2089	82°56.7'	2061
3	9°05.7'	2132	14°33.3'	2406	63°09.0'	2093	82°19.4'	2065
4	8°29.0'	2149	13°58.8'	2412	62°31.9'	2097	81°42.1'	2068
5	7°52.4'	2169	13°24.4'	2418	61°54.9'	2101	81°04.8'	2072
6	7°16.0'	2194	12°50.0'	2425	61°17.9'	2105	80°27.6'	2076
7	6°39.8'	2225	12°15.7'	2433	60°41.0'	2109	79°50.4'	2080
8	6°03.8'	2265	11°41.4'	2440	60°04.1'	2114	79°13.2'	2083
9	5°28.2'	2320	11°07.2'	2449	59°27.2'	2118	78°36.0'	2087
10	4°53.1'	2396	10°33.1'	2459	58°50.3'	2123	77°58.9'	2091
11	–	–	9°59.0'	2469	58°13.5'	2127	77°21.9'	2096
12	–	–	9°25.0'	2481	57°36.8'	2132	76°44.8'	2100
13	–	–	8°51.1'	2494	57°00.0'	2137	76°07.8'	2104
14	–	–	8°17.3'	2509	56°23.4'	2142	75°30.9'	2108
15	–	–	7°43.7'	2527	55°46.7'	2147	74°54.0'	2113
16	–	–	7°10.1'	2549	55°10.1'	2152	74°17.1'	2117
17	–	–	6°36.8'	2575	54°33.6'	2157	73°40.2'	2121
18	–	–	6°03.6'	2608	53°57.1'	2162	73°03.4'	2126
19	–	–	5°30.7'	2650	53°20.6'	2168	72°26.6'	2131
20	–	–	4°58.1'	2707	52°44.2'	2173	71°49.9'	2135
21	–	–	4°25.9'	2787	52°07.8'	2179	71°13.2'	2140
22	–	–	–	–	51°31.5'	2184	70°36.5'	2145
23	–	–	–	–	50°55.2'	2190	69°59.9'	2150

Mon Jul 16, 2018 UTC

UTC	+Sun		+Regulus		-Spica		-Jupiter		-Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	40°35.9'	2430	4°23.3'	2446	50°18.9'	2196	69°23.3'	2154	96°13.4'	2190
1	41°10.2'	2435	4°57.5'	2383	49°42.7'	2201	68°46.8'	2159	95°37.2'	2195
2	41°44.4'	2440	5°32.2'	2340	49°06.6'	2207	68°10.3'	2164	95°01.0'	2199
3	42°18.7'	2445	6°07.2'	2310	48°30.5'	2213	67°33.9'	2169	94°24.8'	2204
4	42°52.8'	2450	6°42.4'	2288	47°54.5'	2220	66°57.5'	2174	93°48.7'	2209
5	43°27.0'	2455	7°17.9'	2273	47°18.5'	2226	66°21.1'	2180	93°12.6'	2214
6	44°01.0'	2461	7°53.4'	2262	46°42.5'	2232	65°44.8'	2185	92°36.6'	2219
7	44°35.1'	2466	8°29.0'	2254	46°06.6'	2238	65°08.5'	2190	92°00.6'	2224
8	45°09.1'	2471	9°04.8'	2249	45°30.8'	2245	64°32.2'	2195	91°24.6'	2229
9	45°43.1'	2477	9°40.5'	2245	44°55.0'	2252	63°56.1'	2201	90°48.7'	2234
10	46°17.0'	2482	10°16.3'	2243	44°19.3'	2258	63°19.9'	2206	90°12.8'	2239
11	46°50.9'	2488	10°52.1'	2243	43°43.6'	2265	62°43.8'	2211	89°37.0'	2244
12	47°24.7'	2493	11°27.9'	2243	43°08.0'	2272	62°07.7'	2217	89°01.2'	2249
13	47°58.5'	2499	12°03.7'	2244	42°32.5'	2279	61°31.7'	2222	88°25.5'	2255
14	48°32.2'	2504	12°39.5'	2245	41°57.0'	2286	60°55.8'	2228	87°49.8'	2260
15	49°06.0'	2510	13°15.2'	2247	41°21.5'	2293	60°19.8'	2233	87°14.1'	2265
16	49°39.6'	2516	13°51.0'	2250	40°46.1'	2301	59°44.0'	2239	86°38.5'	2271
17	50°13.2'	2522	14°26.8'	2253	40°10.8'	2308	59°08.1'	2245	86°02.9'	2276
18	50°46.8'	2527	15°02.5'	2256	39°35.5'	2316	58°32.3'	2250	85°27.4'	2282
19	51°20.3'	2533	15°38.2'	2259	39°00.3'	2324	57°56.6'	2256	84°51.9'	2287
20	51°53.8'	2539	16°13.8'	2263	38°25.2'	2332	57°20.9'	2262	84°16.5'	2293
21	52°27.3'	2545	16°49.5'	2267	37°50.1'	2340	56°45.3'	2268	83°41.1'	2299
22	53°00.6'	2551	17°25.1'	2271	37°15.1'	2348	56°09.7'	2273	83°05.8'	2304
23	53°34.0'	2557	18°00.6'	2275	36°40.2'	2356	55°34.1'	2279	82°30.5'	2310

Tue Jul 17, 2018 UTC

UTC	+Sun		+Regulus		+Venus		-Spica		-Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	54°07.3'	2563	18°36.2'	2280	11°02.8'	2650	36°05.3'	2365	54°58.6'	2285
1	54°40.6'	2569	19°11.6'	2284	11°35.4'	2653	35°30.5'	2373	54°23.2'	2291
2	55°13.8'	2575	19°47.1'	2289	12°07.9'	2655	34°55.8'	2382	53°47.8'	2297
3	55°46.9'	2581	20°22.5'	2294	12°40.5'	2659	34°21.1'	2391	53°12.4'	2303
4	56°20.0'	2587	20°57.9'	2299	13°13.0'	2662	33°46.5'	2400	52°37.1'	2309
5	56°53.1'	2593	21°33.2'	2304	13°45.5'	2666	33°12.0'	2410	52°01.9'	2315
6	57°26.1'	2599	22°08.5'	2309	14°18.0'	2670	32°37.5'	2419	51°26.7'	2321
7	57°59.1'	2605	22°43.8'	2314	14°50.4'	2675	32°03.1'	2429	50°51.5'	2327
8	58°32.1'	2611	23°19.0'	2319	15°22.9'	2679	31°28.8'	2439	50°16.4'	2334
9	59°04.9'	2618	23°54.2'	2324	15°55.2'	2684	30°54.6'	2450	49°41.3'	2340
10	59°37.8'	2624	24°29.3'	2330	16°27.6'	2689	30°20.5'	2460	49°06.3'	2346
11	60°10.6'	2630	25°04.4'	2335	16°59.9'	2694	29°46.4'	2471	48°31.4'	2352
12	60°43.3'	2636	25°39.5'	2340	17°32.1'	2699	29°12.5'	2483	47°56.5'	2358
13	61°16.0'	2642	26°14.5'	2346	18°04.4'	2705	28°38.6'	2494	47°21.6'	2365
14	61°48.7'	2649	26°49.4'	2351	18°36.6'	2710	28°04.8'	2506	46°46.8'	2371
15	62°21.3'	2655	27°24.3'	2357	19°08.7'	2716	27°31.1'	2519	46°12.0'	2377
16	62°53.8'	2661	27°59.2'	2362	19°40.8'	2721	26°57.5'	2532	45°37.3'	2384
17	63°26.3'	2667	28°34.0'	2368	20°12.9'	2727	26°24.0'	2545	45°02.7'	2390
18	63°58.8'	2674	29°08.8'	2373	20°44.9'	2733	25°50.7'	2559	44°28.1'	2397
19	64°31.2'	2680	29°43.6'	2379	21°16.9'	2738	25°17.4'	2573	43°53.5'	2403
20	65°03.6'	2686	30°18.3'	2385	21°48.8'	2744	24°44.2'	2588	43°19.0'	2410
21	65°35.9'	2693	30°52.9'	2390	22°20.7'	2750	24°11.1'	2604	42°44.6'	2416
22	66°08.2'	2699	31°27.5'	2396	22°52.6'	2756	23°38.2'	2620	42°10.2'	2423
23	66°40.4'	2705	32°02.1'	2402	23°24.4'	2762	23°05.4'	2637	41°35.8'	2429

Wed Jul 18, 2018 UTC

UTC	+Sun		+Regulus		-Spica		-Jupiter		+Venus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	67°12.6'	2712	32°36.6'	2407	22°32.7'	2655	41°01.5'	2436	23°56.1'	2768
1	67°44.8'	2718	33°11.1'	2413	22°00.1'	2674	40°27.3'	2442	24°27.8'	2774
2	68°16.8'	2724	33°45.5'	2419	21°27.7'	2694	39°53.1'	2449	24°59.5'	2780
3	68°48.9'	2731	34°19.9'	2425	20°55.4'	2715	39°18.9'	2456	25°31.2'	2786
4	69°20.9'	2737	34°54.2'	2430	20°23.3'	2737	38°44.9'	2462	26°02.7'	2792
5	69°52.8'	2743	35°28.5'	2436	19°51.4'	2761	38°10.8'	2469	26°34.3'	2798
6	70°24.7'	2750	36°02.7'	2442	19°19.6'	2786	37°36.8'	2476	27°05.8'	2804
7	70°56.6'	2756	36°36.9'	2447	18°48.0'	2813	37°02.9'	2483	27°37.3'	2810
8	71°28.4'	2762	37°11.1'	2453	18°16.6'	2842	36°29.0'	2490	28°08.7'	2817
9	72°00.2'	2768	37°45.2'	2459	17°45.4'	2873	35°55.2'	2496	28°40.0'	2823
10	72°31.9'	2775	38°19.2'	2465	17°14.4'	2906	35°21.4'	2503	29°11.4'	2829
11	73°03.6'	2781	38°53.2'	2471	16°43.7'	2943	34°47.7'	2510	29°42.6'	2835
12	73°35.2'	2787	39°27.2'	2476	16°13.2'	2982	34°14.1'	2517	30°13.9'	2841
13	74°06.8'	2794	40°01.1'	2482	15°43.0'	3025	33°40.5'	2524	30°45.1'	2847
14	74°38.3'	2800	40°35.0'	2488	15°13.1'	3072	33°06.9'	2531	31°16.2'	2853
15	75°09.8'	2806	41°08.9'	2493	14°43.6'	3124	32°33.4'	2539	31°47.3'	2860
16	75°41.2'	2812	41°42.6'	2499	14°14.3'	3181	31°60.0'	2546	32°18.4'	2866
17	76°12.6'	2819	42°16.4'	2505	13°45.5'	3245	31°26.6'	2553	32°49.4'	2872
18	76°44.0'	2825	42°50.1'	2511	13°17.1'	3315	30°53.3'	2560	33°20.4'	2878
19	77°15.3'	2831	43°23.8'	2516	12°49.1'	3394	30°20.0'	2568	33°51.3'	2884
20	77°46.5'	2837	43°57.4'	2522	12°21.7'	3483	29°46.8'	2575	34°22.2'	2890
21	78°17.8'	2844	44°30.9'	2528	11°54.8'	3584	29°13.6'	2583	34°53.0'	2896
22	78°48.9'	2850	45°04.5'	2533	11°28.5'	3698	28°40.5'	2591	35°23.8'	2902
23	79°20.1'	2856	45°37.9'	2539	11°02.9'	3828	28°07.5'	2598	35°54.6'	2909

Thu Jul 19, 2018 UTC

UTC	+Sun		-Jupiter		+Regulus		-Antares		+Venus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	79°51.2'	2862	27°34.5'	2606	46°11.4'	2545	54°41.0'	2622	36°25.3'	2915
1	80°22.2'	2868	27°01.5'	2614	46°44.8'	2550	54°08.2'	2629	36°56.0'	2921
2	80°53.2'	2874	26°28.7'	2622	47°18.1'	2556	53°35.5'	2636	37°26.6'	2927
3	81°24.2'	2880	25°55.9'	2630	47°51.4'	2562	53°02.7'	2643	37°57.2'	2933
4	81°55.1'	2886	25°23.1'	2639	48°24.7'	2567	52°30.1'	2649	38°27.7'	2939
5	82°25.9'	2892	24°50.5'	2647	48°57.9'	2573	51°57.5'	2656	38°58.2'	2945
6	82°56.8'	2898	24°17.8'	2656	49°31.1'	2578	51°25.0'	2663	39°28.7'	2951
7	83°27.5'	2904	23°45.3'	2665	50°04.2'	2584	50°52.5'	2670	39°59.1'	2957
8	83°58.3'	2910	23°12.8'	2674	50°37.3'	2589	50°20.0'	2677	40°29.4'	2963
9	84°29.0'	2916	22°40.4'	2683	51°10.4'	2595	49°47.6'	2684	40°59.8'	2969
10	84°59.6'	2922	22°08.0'	2693	51°43.4'	2600	49°15.3'	2691	41°30.1'	2975
11	85°30.2'	2928	21°35.8'	2703	52°16.4'	2606	48°43.0'	2699	42°00.3'	2980
12	86°00.8'	2934	21°03.6'	2713	52°49.3'	2611	48°10.8'	2706	42°30.5'	2986
13	86°31.4'	2940	20°31.4'	2723	53°22.2'	2617	47°38.6'	2713	43°00.7'	2992
14	87°01.8'	2946	19°59.4'	2734	53°55.0'	2622	47°06.5'	2720	43°30.8'	2998
15	87°32.3'	2952	19°27.4'	2746	54°27.8'	2627	46°34.4'	2727	44°00.9'	3004
16	88°02.7'	2957	18°55.5'	2757	55°00.6'	2633	46°02.4'	2735	44°30.9'	3010
17	88°33.1'	2963	18°23.7'	2770	55°33.3'	2638	45°30.4'	2742	45°00.9'	3015
18	89°03.4'	2969	17°52.0'	2783	56°06.0'	2643	44°58.5'	2749	45°30.9'	3021
19	89°33.7'	2975	17°20.4'	2796	56°38.7'	2649	44°26.6'	2757	46°00.8'	3027
20	90°03.9'	2980	16°48.9'	2811	57°11.3'	2654	43°54.8'	2764	46°30.7'	3032
21	90°34.1'	2986	16°17.5'	2826	57°43.8'	2659	43°23.1'	2772	47°00.6'	3038
22	91°04.3'	2992	15°46.2'	2843	58°16.4'	2664	42°51.4'	2779	47°30.4'	3044
23	91°34.4'	2997	15°15.0'	2860	58°48.9'	2669	42°19.7'	2787	48°00.1'	3049

Fri Jul 20, 2018 UTC

UTC	+Sun		-Jupiter		-Antares		+Regulus		-Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	92°04.5'	3003	14°44.0'	2879	41°48.2'	2795	59°21.3'	2674	64°57.8'	2654
1	92°34.6'	3008	14°13.0'	2900	41°16.6'	2803	59°53.7'	2680	64°25.3'	2659
2	93°04.6'	3014	13°42.3'	2922	40°45.2'	2810	60°26.1'	2685	63°52.7'	2664
3	93°34.6'	3019	13°11.6'	2946	40°13.8'	2818	60°58.4'	2690	63°20.2'	2669
4	94°04.5'	3025	12°41.2'	2973	39°42.4'	2826	61°30.7'	2695	62°47.8'	2674
5	94°34.4'	3030	12°10.9'	3003	39°11.1'	2835	62°03.0'	2700	62°15.4'	2679
6	95°04.3'	3036	11°40.9'	3036	38°39.9'	2843	62°35.2'	2705	61°43.0'	2684
7	95°34.1'	3041	11°11.1'	3073	38°08.7'	2851	63°07.4'	2710	61°10.7'	2689
8	96°03.9'	3046	10°41.5'	3115	37°37.6'	2860	63°39.5'	2715	60°38.4'	2694
9	96°33.6'	3051	10°12.2'	3163	37°06.5'	2868	64°11.7'	2719	60°06.1'	2699
10	97°03.3'	3057	9°43.2'	3218	36°35.5'	2877	64°43.7'	2724	59°33.9'	2704
11	97°33.0'	3062	9°14.6'	3282	36°04.6'	2886	65°15.8'	2729	59°01.7'	2709
12	98°02.7'	3067	8°46.5'	3357	35°33.7'	2895	65°47.8'	2734	58°29.5'	2714
13	98°32.3'	3072	8°18.8'	3445	35°02.9'	2904	66°19.8'	2739	57°57.4'	2718
14	99°01.9'	3077	7°51.6'	3551	34°32.1'	2913	66°51.7'	2743	57°25.3'	2723
15	99°31.4'	3082	7°25.1'	3679	34°01.5'	2923	67°23.6'	2748	56°53.3'	2728
16	100°00.9'	3087	–	–	33°30.9'	2932	67°55.5'	2753	56°21.2'	2732
17	100°30.4'	3092	–	–	33°00.3'	2942	68°27.3'	2757	55°49.3'	2737
18	100°59.8'	3097	–	–	32°29.8'	2952	68°59.1'	2762	55°17.3'	2742
19	101°29.2'	3102	–	–	31°59.4'	2963	69°30.9'	2766	54°45.4'	2746
20	101°58.6'	3107	–	–	31°29.1'	2973	70°02.6'	2771	54°13.5'	2751
21	102°27.9'	3112	–	–	30°58.9'	2984	70°34.3'	2775	53°41.7'	2755
22	102°57.2'	3117	–	–	30°28.7'	2995	71°06.0'	2780	53°09.9'	2760
23	103°26.5'	3122	–	–	29°58.6'	3007	71°37.6'	2784	52°38.1'	2764

Sat Jul 21, 2018 UTC

UTC	+Sun		+Spica		-Antares		-Saturn		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	103°55.8'	3126	19°30.4'	3111	29°28.5'	3019	52°06.3'	2769	72°09.2'	2789
1	104°25.0'	3131	19°59.7'	3099	28°58.6'	3031	51°34.6'	2773	72°40.8'	2793
2	104°54.1'	3136	20°29.1'	3089	28°28.7'	3043	51°02.9'	2778	73°12.3'	2797
3	105°23.3'	3140	20°58.6'	3079	27°59.0'	3056	50°31.3'	2782	73°43.8'	2801
4	105°52.4'	3145	21°28.1'	3071	27°29.3'	3070	49°59.7'	2786	74°15.3'	2806
5	106°21.5'	3149	21°57.7'	3063	26°59.7'	3084	49°28.1'	2791	74°46.8'	2810
6	106°50.5'	3154	22°27.3'	3056	26°30.2'	3098	48°56.5'	2795	75°18.2'	2814
7	107°19.6'	3158	22°57.0'	3050	26°00.8'	3113	48°25.0'	2799	75°49.6'	2818
8	107°48.6'	3163	23°26.8'	3045	25°31.5'	3129	47°53.5'	2803	76°20.9'	2822
9	108°17.5'	3167	23°56.5'	3040	25°02.3'	3145	47°22.0'	2807	76°52.2'	2826
10	108°46.5'	3172	24°26.3'	3035	24°33.2'	3163	46°50.6'	2811	77°23.5'	2830
11	109°15.4'	3176	24°56.1'	3031	24°04.3'	3180	46°19.2'	2815	77°54.8'	2834
12	109°44.2'	3180	25°26.0'	3028	23°35.4'	3199	45°47.8'	2820	78°26.1'	2838
13	110°13.1'	3184	25°55.9'	3025	23°06.7'	3219	45°16.5'	2824	78°57.3'	2842
14	110°41.9'	3189	26°25.8'	3022	22°38.1'	3240	44°45.1'	2828	79°28.5'	2846
15	111°10.7'	3193	26°55.7'	3020	22°09.7'	3262	44°13.9'	2831	79°59.6'	2850
16	111°39.5'	3197	27°25.6'	3017	21°41.3'	3285	43°42.6'	2835	80°30.7'	2854
17	112°08.2'	3201	27°55.6'	3016	21°13.2'	3309	43°11.4'	2839	81°01.8'	2857
18	112°36.9'	3205	28°25.6'	3014	20°45.2'	3335	42°40.2'	2843	81°32.9'	2861
19	113°05.6'	3209	28°55.5'	3013	20°17.3'	3363	42°09.0'	2847	82°04.0'	2865
20	113°34.3'	3213	29°25.5'	3012	19°49.7'	3392	41°37.8'	2851	82°35.0'	2868
21	114°02.9'	3217	29°55.5'	3011	19°22.2'	3423	41°06.7'	2854	83°06.0'	2872
22	114°31.5'	3221	30°25.5'	3010	18°54.9'	3457	40°35.6'	2858	83°37.0'	2876
23	115°00.1'	3225	30°55.5'	3010	18°27.9'	3493	40°04.5'	2862	84°07.9'	2879

Sun Jul 22, 2018 UTC

UTC	+Sun		+Jupiter		-Saturn		+Spica		-Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	115°28.6'	3228	11°53.1'	3179	39°33.5'	2865	31°25.5'	3009	18°01.0'	3532
1	115°57.2'	3232	12°22.0'	3160	39°02.5'	2869	31°55.5'	3009	17°34.4'	3573
2	116°25.7'	3236	12°50.9'	3143	38°31.5'	2873	32°25.5'	3009	17°08.0'	3618
3	116°54.2'	3240	13°20.0'	3129	38°00.5'	2876	32°55.5'	3009	16°42.0'	3667
4	117°22.6'	3243	13°49.2'	3117	37°29.6'	2880	33°25.5'	3009	16°16.2'	3720
5	117°51.0'	3247	14°18.5'	3106	36°58.7'	2883	33°55.5'	3010	15°50.7'	3777
6	118°19.5'	3250	14°47.9'	3096	36°27.8'	2887	34°25.5'	3010	15°25.6'	3840
7	118°47.8'	3254	15°17.3'	3088	35°56.9'	2890	34°55.5'	3011	15°00.8'	3908
8	119°16.2'	3257	15°46.7'	3081	35°26.1'	2893	35°25.5'	3011	14°36.4'	3984
9	119°44.6'	3261	16°16.3'	3074	34°55.2'	2897	35°55.5'	3012	14°12.4'	4066
10	120°12.9'	3264	16°45.8'	3069	34°24.5'	2900	36°25.5'	3013	13°48.9'	4158
11	120°41.2'	3268	17°15.4'	3064	33°53.7'	2904	36°55.5'	3013	13°25.8'	4259
12	121°09.4'	3271	17°45.0'	3060	33°22.9'	2907	37°25.5'	3014	13°03.3'	4371
13	121°37.7'	3274	18°14.7'	3056	32°52.2'	2910	37°55.5'	3015	12°41.4'	4496
14	122°05.9'	3277	18°44.4'	3053	32°21.5'	2913	38°25.4'	3016	12°20.1'	4636
15	122°34.1'	3281	19°14.1'	3051	31°50.8'	2917	38°55.4'	3017	11°59.5'	4793
16	123°02.3'	3284	19°43.8'	3048	31°20.2'	2920	39°25.3'	3018	11°39.6'	4969
17	123°30.5'	3287	20°13.5'	3046	30°49.5'	2923	39°55.3'	3019	–	–
18	123°58.6'	3290	20°43.3'	3045	30°18.9'	2926	40°25.2'	3020	–	–
19	124°26.8'	3293	21°13.1'	3044	29°48.4'	2929	40°55.2'	3021	–	–
20	124°54.9'	3296	21°42.8'	3042	29°17.8'	2932	41°25.1'	3023	–	–
21	125°23.0'	3299	22°12.6'	3042	28°47.2'	2936	41°55.0'	3024	–	–
22	125°51.0'	3302	22°42.4'	3041	28°16.7'	2939	42°24.9'	3025	–	–
23	126°19.1'	3305	23°12.2'	3040	27°46.2'	2942	42°54.8'	3026	–	–

Mon Jul 23, 2018 UTC

UTC	-Saturn		+Jupiter		+Spica		-Mars		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	27°15.7'	2945	23°42.0'	3040	43°24.7'	3027	59°09.1'	2901	96°54.0'	2956
1	26°45.3'	2948	24°11.8'	3040	43°54.6'	3029	58°38.4'	2904	97°24.4'	2959
2	26°14.9'	2951	24°41.6'	3040	44°24.4'	3030	58°07.6'	2907	97°54.8'	2961
3	25°44.4'	2954	25°11.4'	3040	44°54.3'	3031	57°36.9'	2910	98°25.1'	2964
4	25°14.1'	2957	25°41.2'	3040	45°24.2'	3033	57°06.2'	2913	98°55.4'	2966
5	24°43.7'	2960	26°10.9'	3041	45°54.0'	3034	56°35.5'	2915	99°25.7'	2969
6	24°13.3'	2963	26°40.7'	3041	46°23.9'	3035	56°04.9'	2918	99°56.0'	2971
7	23°43.0'	2966	27°10.5'	3041	46°53.7'	3036	55°34.2'	2921	100°26.3'	2973
8	23°12.7'	2969	27°40.3'	3042	47°23.5'	3038	55°03.6'	2924	100°56.6'	2976
9	22°42.4'	2972	28°10.1'	3043	47°53.3'	3039	54°33.0'	2927	101°26.8'	2978
10	22°12.1'	2975	28°39.9'	3043	48°23.1'	3040	54°02.4'	2929	101°57.0'	2980
11	21°41.9'	2978	29°09.6'	3044	48°52.9'	3042	53°31.8'	2932	102°27.2'	2983
12	21°11.7'	2982	29°39.4'	3045	49°22.7'	3043	53°01.3'	2935	102°57.4'	2985
13	20°41.5'	2985	30°09.2'	3046	49°52.5'	3044	52°30.8'	2938	103°27.6'	2987
14	20°11.3'	2988	30°38.9'	3046	50°22.2'	3046	52°00.3'	2941	103°57.8'	2989
15	19°41.2'	2991	31°08.7'	3047	50°52.0'	3047	51°29.8'	2943	104°27.9'	2991
16	19°11.0'	2995	31°38.4'	3048	51°21.7'	3048	50°59.3'	2946	104°58.0'	2993
17	18°40.9'	2998	32°08.2'	3049	51°51.5'	3049	50°28.9'	2949	105°28.2'	2996
18	18°10.8'	3002	32°37.9'	3050	52°21.2'	3051	49°58.4'	2951	105°58.3'	2998
19	17°40.8'	3005	33°07.6'	3051	52°50.9'	3052	49°28.0'	2954	106°28.3'	3000
20	17°10.7'	3009	33°37.3'	3052	53°20.6'	3053	48°57.6'	2957	106°58.4'	3002
21	16°40.7'	3013	34°07.1'	3053	53°50.3'	3055	48°27.3'	2959	107°28.5'	3003
22	16°10.7'	3017	34°36.8'	3054	54°20.0'	3056	47°56.9'	2962	107°58.5'	3005
23	15°40.8'	3021	35°06.5'	3055	54°49.7'	3057	47°26.6'	2965	108°28.6'	3007

Tue Jul 24, 2018 UTC

UTC	−Saturn		+Jupiter		−Mars		+Spica		−Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	15°10.9′	3025	35°36.2′	3056	46°56.3′	2967	55°19.4′	3058	77°28.9′	3252
1	14°41.0′	3030	36°05.8′	3057	46°26.0′	2970	55°49.1′	3059	77°00.5′	3254
2	14°11.1′	3035	36°35.5′	3058	45°55.7′	2973	56°18.7′	3061	76°32.1′	3257
3	13°41.3′	3040	37°05.2′	3059	45°25.4′	2976	56°48.4′	3062	76°03.8′	3260
4	13°11.5′	3045	37°34.9′	3060	44°55.2′	2978	57°18.0′	3063	75°35.5′	3263
5	12°41.7′	3051	38°04.5′	3061	44°25.0′	2981	57°47.7′	3064	75°07.2′	3266
6	12°12.0′	3058	38°34.2′	3062	43°54.8′	2984	58°17.3′	3065	74°38.9′	3269
7	11°42.3′	3065	39°03.8′	3063	43°24.6′	2986	58°46.9′	3066	74°10.6′	3271
8	11°12.7′	3073	39°33.4′	3064	42°54.4′	2989	59°16.6′	3067	73°42.4′	3274
9	10°43.1′	3081	40°03.1′	3065	42°24.3′	2992	59°46.2′	3068	73°14.1′	3277
10	10°13.6′	3091	40°32.7′	3066	41°54.1′	2995	60°15.8′	3069	72°45.9′	3280
11	9°44.2′	3102	41°02.3′	3067	41°24.0′	2997	60°45.4′	3071	72°17.7′	3283
12	9°14.8′	3115	41°31.9′	3068	40°53.9′	3000	61°14.9′	3072	71°49.5′	3286
13	8°45.5′	3130	42°01.5′	3069	40°23.9′	3003	61°44.5′	3073	71°21.4′	3289
14	8°16.3′	3147	42°31.1′	3070	39°53.8′	3006	62°14.1′	3074	70°53.2′	3292
15	7°47.2′	3168	43°00.7′	3071	39°23.8′	3009	62°43.7′	3075	70°25.1′	3295
16	7°18.3′	3192	43°30.3′	3072	38°53.8′	3012	63°13.2′	3076	69°57.0′	3298
17	6°49.5′	3222	43°59.8′	3073	38°23.8′	3015	63°42.8′	3076	69°29.0′	3301
18	6°21.0′	3259	44°29.4′	3074	37°53.8′	3018	64°12.3′	3077	69°00.9′	3304
19	5°52.6′	3306	44°59.0′	3075	37°23.9′	3021	64°41.9′	3078	68°32.9′	3307
20	5°24.6′	3366	45°28.5′	3076	36°53.9′	3024	65°11.4′	3079	68°04.8′	3310
21	4°57.0′	3446	45°58.1′	3077	36°24.0′	3027	65°40.9′	3080	67°36.8′	3313
22	4°29.8′	3555	46°27.6′	3078	35°54.2′	3030	66°10.4′	3081	67°08.9′	3317
23	–	–	46°57.2′	3078	35°24.3′	3034	66°40.0′	3082	66°40.9′	3320

Wed Jul 25, 2018 UTC

UTC	−Mars		+Antares		+Jupiter		+Spica		−Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	34°54.5′	3037	22°22.7′	3430	47°26.7′	3079	67°09.5′	3083	66°13.0′	3323
1	34°24.6′	3041	22°49.9′	3416	47°56.2′	3080	67°39.0′	3083	65°45.1′	3326
2	33°54.8′	3044	23°17.2′	3402	48°25.8′	3081	68°08.5′	3084	65°17.2′	3330
3	33°25.1′	3048	23°44.6′	3389	48°55.3′	3082	68°38.0′	3085	64°49.3′	3333
4	32°55.3′	3051	24°12.1′	3377	49°24.8′	3082	69°07.5′	3086	64°21.4′	3337
5	32°25.6′	3055	24°39.7′	3366	49°54.3′	3083	69°36.9′	3087	63°53.6′	3340
6	31°55.9′	3059	25°07.3′	3355	50°23.8′	3084	70°06.4′	3087	63°25.8′	3344
7	31°26.3′	3063	25°35.1′	3345	50°53.3′	3085	70°35.9′	3088	62°58.0′	3347
8	30°56.6′	3068	26°02.8′	3336	51°22.8′	3085	71°05.4′	3089	62°30.3′	3351
9	30°27.0′	3072	26°30.7′	3327	51°52.3′	3086	71°34.8′	3089	62°02.5′	3354
10	29°57.4′	3076	26°58.5′	3319	52°21.7′	3087	72°04.3′	3090	61°34.8′	3358
11	29°27.9′	3081	27°26.5′	3311	52°51.2′	3087	72°33.7′	3091	61°07.1′	3362
12	28°58.4′	3086	27°54.5′	3303	53°20.7′	3088	73°03.2′	3091	60°39.5′	3366
13	28°28.9′	3091	28°22.5′	3296	53°50.2′	3089	73°32.6′	3092	60°11.8′	3370
14	27°59.5′	3096	28°50.6′	3290	54°19.6′	3089	74°02.1′	3092	59°44.2′	3374
15	27°30.0′	3102	29°18.7′	3283	54°49.1′	3090	74°31.5′	3093	59°16.6′	3378
16	27°00.7′	3107	29°46.9′	3277	55°18.5′	3090	75°00.9′	3094	58°49.0′	3382
17	26°31.3′	3113	30°15.1′	3271	55°48.0′	3091	75°30.4′	3094	58°21.5′	3386
18	26°02.0′	3120	30°43.4′	3266	56°17.4′	3091	75°59.8′	3095	57°54.0′	3390
19	25°32.8′	3126	31°11.7′	3261	56°46.9′	3092	76°29.2′	3095	57°26.5′	3395
20	25°03.6′	3133	31°40.0′	3256	57°16.3′	3092	76°58.6′	3096	56°59.0′	3399
21	24°34.4′	3140	32°08.3′	3251	57°45.8′	3093	77°28.1′	3096	56°31.6′	3403
22	24°05.3′	3148	32°36.7′	3247	58°15.2′	3093	77°57.5′	3096	56°04.2′	3408
23	23°36.2′	3156	33°05.1′	3242	58°44.6′	3094	78°26.9′	3097	55°36.8′	3413

Thu Jul 26, 2018 UTC

UTC	+Saturn		-Mars		+Antares		+Jupiter		-Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	9°07.8'	3142	23°07.2'	3165	33°33.6'	3238	59°14.1'	3094	55°09.5'	3418
1	9°36.9'	3132	22°38.3'	3174	34°02.0'	3234	59°43.5'	3095	54°42.2'	3422
2	10°06.1'	3124	22°09.4'	3184	34°30.5'	3230	60°12.9'	3095	54°14.9'	3427
3	10°35.3'	3117	21°40.6'	3194	34°59.1'	3227	60°42.3'	3095	53°47.6'	3433
4	11°04.6'	3111	21°11.8'	3205	35°27.6'	3223	61°11.7'	3096	53°20.4'	3438
5	11°33.9'	3106	20°43.1'	3217	35°56.2'	3220	61°41.2'	3096	52°53.2'	3443
6	12°03.2'	3102	20°14.5'	3230	36°24.7'	3217	62°10.6'	3096	52°26.1'	3449
7	12°32.6'	3098	19°46.0'	3244	36°53.4'	3214	62°40.0'	3097	51°58.9'	3454
8	13°02.0'	3094	19°17.6'	3258	37°22.0'	3211	63°09.4'	3097	51°31.9'	3460
9	13°31.5'	3091	18°49.2'	3274	37°50.6'	3208	63°38.8'	3097	51°04.8'	3466
10	14°00.9'	3088	18°21.0'	3291	38°19.3'	3205	64°08.2'	3097	50°37.8'	3472
11	14°30.4'	3085	17°52.9'	3309	38°48.0'	3202	64°37.6'	3098	50°10.8'	3478
12	14°59.9'	3083	17°24.9'	3329	39°16.7'	3200	65°07.0'	3098	49°43.9'	3484
13	15°29.4'	3081	16°57.0'	3351	39°45.4'	3197	65°36.4'	3098	49°17.0'	3491
14	15°58.9'	3079	16°29.3'	3375	40°14.1'	3195	66°05.8'	3098	48°50.1'	3498
15	16°28.4'	3078	16°01.7'	3401	40°42.9'	3193	66°35.2'	3098	48°23.3'	3504
16	16°57.9'	3076	15°34.2'	3429	41°11.7'	3190	67°04.6'	3098	47°56.5'	3511
17	17°27.5'	3074	15°07.0'	3460	41°40.4'	3188	67°34.0'	3099	47°29.8'	3519
18	17°57.0'	3073	14°40.0'	3495	42°09.2'	3186	68°03.4'	3099	47°03.1'	3526
19	18°26.6'	3072	14°13.1'	3533	42°38.0'	3184	68°32.8'	3099	46°36.5'	3534
20	18°56.2'	3071	13°46.5'	3575	43°06.9'	3182	69°02.2'	3099	46°09.9'	3542
21	19°25.8'	3070	13°20.2'	3622	43°35.7'	3180	69°31.6'	3099	45°43.3'	3550
22	19°55.4'	3069	12°54.1'	3674	44°04.6'	3178	70°01.0'	3099	45°16.9'	3558
23	20°25.0'	3068	12°28.4'	3733	44°33.4'	3176	70°30.4'	3099	44°50.4'	3567

Fri Jul 27, 2018 UTC

UTC	+Saturn		+Antares		-Mars		+Jupiter		-Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	20°54.6'	3067	45°02.3'	3174	12°03.0'	3799	70°59.8'	3099	44°24.0'	3576
1	21°24.2'	3066	45°31.2'	3172	11°38.0'	3874	71°29.2'	3099	43°57.7'	3585
2	21°53.8'	3065	46°00.1'	3171	11°13.4'	3958	71°58.6'	3099	43°31.4'	3594
3	22°23.4'	3064	46°29.0'	3169	10°49.3'	4055	72°28.0'	3099	43°05.2'	3604
4	22°53.1'	3064	46°57.9'	3167	10°25.7'	4165	72°57.4'	3099	42°39.0'	3614
5	23°22.7'	3063	47°26.9'	3166	10°02.7'	4292	73°26.8'	3099	42°12.9'	3625
6	23°52.3'	3062	47°55.8'	3164	9°40.3'	4438	73°56.2'	3098	41°46.9'	3636
7	24°22.0'	3062	48°24.8'	3163	-	-	74°25.6'	3098	41°20.9'	3647
8	24°51.6'	3061	48°53.7'	3161	-	-	74°55.0'	3098	40°55.0'	3658
9	25°21.3'	3060	49°22.7'	3159	-	-	75°24.4'	3098	40°29.1'	3670
10	25°50.9'	3060	49°51.7'	3158	-	-	75°53.8'	3098	40°03.4'	3683
11	26°20.6'	3059	50°20.7'	3157	-	-	76°23.2'	3098	39°37.7'	3695
12	26°50.3'	3058	50°49.7'	3155	-	-	76°52.6'	3097	39°12.0'	3709
13	27°19.9'	3058	51°18.7'	3154	-	-	77°22.0'	3097	38°46.5'	3722
14	27°49.6'	3057	51°47.7'	3152	-	-	77°51.4'	3097	38°21.0'	3737
15	28°19.3'	3056	52°16.8'	3151	-	-	78°20.8'	3097	37°55.7'	3751
16	28°49.0'	3056	52°45.8'	3149	-	-	78°50.2'	3096	37°30.4'	3767
17	29°18.7'	3055	53°14.9'	3148	-	-	79°19.6'	3096	37°05.2'	3783
18	29°48.3'	3055	53°43.9'	3147	-	-	79°49.0'	3096	36°40.0'	3799
19	30°18.0'	3054	54°13.0'	3145	-	-	80°18.4'	3095	36°15.0'	3817
20	30°47.7'	3053	54°42.1'	3144	-	-	80°47.8'	3095	35°50.1'	3834
21	31°17.4'	3053	55°11.2'	3143	-	-	81°17.3'	3095	35°25.3'	3853
22	31°47.2'	3052	55°40.3'	3141	-	-	81°46.7'	3094	35°00.6'	3872
23	32°16.9'	3051	56°09.4'	3140	-	-	82°16.1'	3094	34°36.0'	3893

Sat Jul 28, 2018 UTC

UTC	+Saturn		+Antares		+Jupiter		-Formalhaut		+Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	32°46.6'	3051	56°38.5'	3139	82°45.5'	3094	34°11.5'	3914	102°26.5'	3099
1	33°16.3'	3050	57°07.6'	3137	83°15.0'	3093	33°47.1'	3936	102°55.9'	3099
2	33°46.0'	3049	57°36.8'	3136	83°44.4'	3093	33°22.9'	3958	103°25.3'	3098
3	34°15.8'	3049	58°05.9'	3135	84°13.8'	3092	32°58.8'	3982	103°54.7'	3098
4	34°45.5'	3048	58°35.1'	3134	84°43.3'	3092	32°34.8'	4007	104°24.1'	3098
5	35°15.2'	3047	59°04.2'	3132	85°12.7'	3091	32°10.9'	4033	104°53.5'	3097
6	35°45.0'	3047	59°33.4'	3131	85°42.2'	3091	31°47.2'	4060	105°22.9'	3097
7	36°14.7'	3046	60°02.6'	3130	86°11.6'	3090	31°23.7'	4089	105°52.3'	3097
8	36°44.5'	3045	60°31.8'	3129	86°41.1'	3090	31°00.3'	4118	106°21.7'	3096
9	37°14.3'	3044	61°00.9'	3127	87°10.5'	3089	30°37.0'	4150	106°51.2'	3096
10	37°44.0'	3044	61°30.1'	3126	87°40.0'	3089	30°14.0'	4182	107°20.6'	3095
11	38°13.8'	3043	61°59.4'	3125	88°09.5'	3088	29°51.1'	4216	107°50.0'	3095
12	38°43.6'	3042	62°28.6'	3123	88°38.9'	3087	29°28.3'	4252	108°19.4'	3095
13	39°13.3'	3041	62°57.8'	3122	89°08.4'	3087	29°05.8'	4290	108°48.8'	3094
14	39°43.1'	3040	63°27.0'	3121	89°37.9'	3086	28°43.4'	4329	109°18.3'	3094
15	40°12.9'	3040	63°56.3'	3120	90°07.4'	3085	28°21.3'	4370	109°47.7'	3093
16	40°42.7'	3039	64°25.5'	3118	90°36.8'	3085	27°59.4'	4414	110°17.1'	3093
17	41°12.5'	3038	64°54.8'	3117	91°06.3'	3084	27°37.7'	4460	110°46.6'	3092
18	41°42.3'	3037	65°24.1'	3116	91°35.8'	3083	27°16.2'	4508	111°16.0'	3092
19	42°12.2'	3036	65°53.4'	3115	92°05.3'	3083	26°54.9'	4558	111°45.4'	3091
20	42°42.0'	3035	66°22.6'	3113	92°34.8'	3082	26°33.9'	4612	112°14.9'	3091
21	43°11.8'	3034	66°51.9'	3112	93°04.3'	3081	26°13.2'	4668	112°44.3'	3090
22	43°41.6'	3034	67°21.2'	3111	93°33.9'	3080	25°52.7'	4727	113°13.8'	3090
23	44°11.5'	3033	67°50.6'	3109	94°03.4'	3079	25°32.5'	4790	113°43.2'	3089

Sun Jul 29, 2018 UTC

UTC	+Mars		+Saturn		+Antares		+Jupiter		-Aldebaran	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	15°37.6'	3378	44°41.3'	3032	68°19.9'	3108	94°32.9'	3079	111°26.5'	3048
1	16°05.2'	3351	45°11.2'	3031	68°49.2'	3107	95°02.4'	3078	110°56.8'	3047
2	16°32.9'	3327	45°41.0'	3030	69°18.6'	3105	95°32.0'	3077	110°27.0'	3046
3	17°00.8'	3305	46°10.9'	3029	69°47.9'	3104	96°01.5'	3076	109°57.3'	3045
4	17°28.8'	3284	46°40.8'	3028	70°17.3'	3103	96°31.1'	3075	109°27.5'	3044
5	17°57.0'	3266	47°10.7'	3027	70°46.6'	3101	97°00.6'	3074	108°57.7'	3043
6	18°25.3'	3248	47°40.5'	3026	71°16.0'	3100	97°30.2'	3073	108°28.0'	3042
7	18°53.7'	3232	48°10.4'	3024	71°45.4'	3099	97°59.8'	3072	107°58.2'	3041
8	19°22.2'	3216	48°40.3'	3023	72°14.8'	3097	98°29.3'	3071	107°28.4'	3040
9	19°50.8'	3202	49°10.2'	3022	72°44.2'	3096	98°58.9'	3070	106°58.6'	3039
10	20°19.5'	3189	49°40.2'	3021	73°13.6'	3095	99°28.5'	3069	106°28.8'	3038
11	20°48.3'	3177	50°10.1'	3020	73°43.0'	3093	99°58.1'	3068	105°59.0'	3037
12	21°17.2'	3165	50°40.0'	3019	74°12.5'	3092	100°27.7'	3067	105°29.2'	3035
13	21°46.1'	3154	51°10.0'	3018	74°41.9'	3090	100°57.3'	3066	104°59.3'	3034
14	22°15.2'	3144	51°39.9'	3016	75°11.4'	3089	101°26.9'	3065	104°29.5'	3033
15	22°44.2'	3134	52°09.9'	3015	75°40.8'	3088	101°56.5'	3064	103°59.7'	3032
16	23°13.4'	3125	52°39.8'	3014	76°10.3'	3086	102°26.2'	3063	103°29.8'	3031
17	23°42.6'	3116	53°09.8'	3013	76°39.8'	3085	102°55.8'	3062	102°60.0'	3029
18	24°11.9'	3108	53°39.8'	3012	77°09.3'	3083	103°25.5'	3061	102°30.1'	3028
19	24°41.2'	3100	54°09.8'	3010	77°38.8'	3082	103°55.1'	3059	102°00.2'	3027
20	25°10.6'	3092	54°39.8'	3009	78°08.3'	3080	104°24.8'	3058	101°30.3'	3026
21	25°40.1'	3085	55°09.8'	3008	78°37.8'	3079	104°54.4'	3057	101°00.4'	3024
22	26°09.6'	3078	55°39.8'	3006	79°07.3'	3077	105°24.1'	3056	100°30.5'	3023
23	26°39.1'	3071	56°09.8'	3005	79°36.9'	3076	105°53.8'	3055	100°00.6'	3022

Mon Jul 30, 2018 UTC

UTC	+Mars		+Saturn		+Antares		-Aldebaran		+Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	27°08.7'	3065	56°39.9'	3003	80°06.4'	3074	99°30.7'	3020	106°23.5'	3053
1	27°38.3'	3059	57°09.9'	3002	80°36.0'	3073	99°00.8'	3019	106°53.2'	3052
2	28°08.0'	3053	57°40.0'	3001	81°05.6'	3071	98°30.8'	3017	107°22.9'	3051
3	28°37.7'	3048	58°10.1'	2999	81°35.1'	3069	98°00.9'	3016	107°52.6'	3049
4	29°07.4'	3042	58°40.1'	2998	82°04.7'	3068	97°30.9'	3015	108°22.4'	3048
5	29°37.2'	3037	59°10.2'	2996	82°34.3'	3066	97°00.9'	3013	108°52.1'	3047
6	30°07.0'	3032	59°40.3'	2995	83°04.0'	3065	96°31.0'	3012	109°21.9'	3045
7	30°36.9'	3027	60°10.4'	2993	83°33.6'	3063	96°01.0'	3010	109°51.6'	3044
8	31°06.7'	3022	60°40.5'	2992	84°03.2'	3061	95°31.0'	3008	110°21.4'	3042
9	31°36.7'	3017	61°10.7'	2990	84°32.9'	3060	95°00.9'	3007	110°51.2'	3041
10	32°06.6'	3013	61°40.8'	2988	85°02.5'	3058	94°30.9'	3005	111°21.0'	3040
11	32°36.6'	3009	62°11.0'	2987	85°32.2'	3056	94°00.9'	3004	111°50.8'	3038
12	33°06.6'	3004	62°41.1'	2985	86°01.9'	3055	93°30.8'	3002	112°20.6'	3037
13	33°36.6'	3000	63°11.3'	2983	86°31.6'	3053	93°00.8'	3000	112°50.4'	3035
14	34°06.7'	2996	63°41.5'	2982	87°01.3'	3051	92°30.7'	2999	113°20.2'	3033
15	34°36.8'	2992	64°11.7'	2980	87°31.0'	3049	92°00.6'	2997	113°50.1'	3032
16	35°06.9'	2988	64°41.9'	2978	88°00.7'	3048	91°30.5'	2995	114°19.9'	3030
17	35°37.1'	2984	65°12.1'	2976	88°30.5'	3046	91°00.4'	2993	114°49.8'	3029
18	36°07.3'	2980	65°42.4'	2975	89°00.2'	3044	90°30.3'	2992	115°19.6'	3027
19	36°37.5'	2976	66°12.6'	2973	89°30.0'	3042	90°00.2'	2990	115°49.5'	3025
20	37°07.7'	2973	66°42.9'	2971	89°59.8'	3040	89°30.1'	2988	116°19.4'	3024
21	37°38.0'	2969	67°13.1'	2969	90°29.6'	3039	88°59.9'	2986	116°49.3'	3022
22	38°08.3'	2966	67°43.4'	2967	90°59.4'	3037	88°29.7'	2984	117°19.3'	3020
23	38°38.6'	2962	68°13.7'	2965	91°29.2'	3035	87°59.6'	2982	117°49.2'	3019

Tue Jul 31, 2018 UTC

UTC	+Mars		+Saturn		-Aldebaran		+Antares		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	39°08.9'	2959	68°44.0'	2963	87°29.4'	2980	91°59.0'	3033	105°08.7'	3097
1	39°39.3'	2955	69°14.4'	2961	86°59.2'	2978	92°28.9'	3031	104°39.3'	3094
2	40°09.7'	2952	69°44.7'	2960	86°28.9'	2976	92°58.7'	3029	104°09.9'	3092
3	40°40.1'	2948	70°15.0'	2958	85°58.7'	2974	93°28.6'	3027	103°40.4'	3089
4	41°10.5'	2945	70°45.4'	2955	85°28.4'	2972	93°58.5'	3025	103°11.0'	3087
5	41°41.0'	2942	71°15.8'	2953	84°58.2'	2970	94°28.4'	3023	102°41.5'	3084
6	42°11.4'	2938	71°46.2'	2951	84°27.9'	2968	94°58.3'	3021	102°12.0'	3082
7	42°41.9'	2935	72°16.6'	2949	83°57.6'	2966	95°28.2'	3019	101°42.5'	3079
8	43°12.5'	2932	72°47.0'	2947	83°27.3'	2964	95°58.2'	3017	101°13.0'	3077
9	43°43.0'	2928	73°17.5'	2945	82°57.0'	2962	96°28.1'	3015	100°43.4'	3074
10	44°13.6'	2925	73°47.9'	2943	82°26.7'	2960	96°58.1'	3013	100°13.8'	3072
11	44°44.2'	2922	74°18.4'	2941	81°56.3'	2957	97°28.1'	3011	99°44.3'	3069
12	45°14.8'	2919	74°48.9'	2938	81°25.9'	2955	97°58.1'	3009	99°14.7'	3067
13	45°45.4'	2916	75°19.4'	2936	80°55.5'	2953	98°28.1'	3006	98°45.1'	3064
14	46°16.1'	2912	75°49.9'	2934	80°25.1'	2951	98°58.1'	3004	98°15.4'	3061
15	46°46.8'	2909	76°20.4'	2931	79°54.7'	2948	99°28.1'	3002	97°45.8'	3059
16	47°17.5'	2906	76°51.0'	2929	79°24.3'	2946	99°58.2'	3000	97°16.1'	3056
17	47°48.2'	2903	77°21.5'	2927	78°53.9'	2943	100°28.3'	2998	96°46.4'	3054
18	48°19.0'	2900	77°52.1'	2924	78°23.4'	2941	100°58.4'	2996	96°16.7'	3051
19	48°49.7'	2897	78°22.7'	2922	77°52.9'	2939	101°28.5'	2993	95°47.0'	3048
20	49°20.5'	2893	78°53.3'	2919	77°22.4'	2936	101°58.6'	2991	95°17.3'	3046
21	49°51.3'	2890	79°24.0'	2917	76°51.9'	2934	102°28.7'	2989	94°47.5'	3043
22	50°22.2'	2887	79°54.6'	2914	76°21.4'	2931	102°58.9'	2986	94°17.7'	3040
23	50°53.0'	2884	80°25.3'	2912	75°50.8'	2929	103°29.0'	2984	93°47.9'	3038