

Mon Apr 1, 2019 UTC

UTC	−Sun		+Saturn		−Venus		+Jupiter		+Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	48°18.3′	3489	32°60.0′	3096	13°35.7′	3628	58°35.0′	3093	72°33.5′	3126
1	47°51.4′	3489	33°29.4′	3095	13°09.7′	3633	59°04.4′	3092	73°02.7′	3125
2	47°24.5′	3489	33°58.8′	3095	12°43.7′	3639	59°33.9′	3092	73°32.0′	3124
3	46°57.7′	3489	34°28.2′	3094	12°17.8′	3645	60°03.3′	3091	74°01.2′	3124
4	46°30.8′	3489	34°57.6′	3094	11°51.8′	3652	60°32.8′	3091	74°30.4′	3123
5	46°03.9′	3488	35°27.1′	3093	11°26.0′	3660	61°02.2′	3090	74°59.6′	3122
6	45°37.0′	3488	35°56.5′	3092	11°00.1′	3669	61°31.7′	3089	75°28.9′	3121
7	45°10.2′	3488	36°25.9′	3092	10°34.4′	3679	62°01.1′	3089	75°58.1′	3120
8	44°43.3′	3488	36°55.4′	3091	10°08.6′	3691	62°30.6′	3088	76°27.4′	3120
9	44°16.4′	3488	37°24.8′	3090	9°43.0′	3704	63°00.1′	3087	76°56.6′	3119
10	43°49.5′	3487	37°54.3′	3090	9°17.4′	3719	63°29.5′	3086	77°25.9′	3118
11	43°22.7′	3487	38°23.7′	3089	8°51.9′	3737	63°59.0′	3085	77°55.1′	3117
12	42°55.8′	3487	38°53.2′	3088	8°26.6′	3758	64°28.5′	3084	78°24.4′	3116
13	42°28.9′	3486	39°22.7′	3087	8°01.3′	3783	64°58.0′	3083	78°53.7′	3115
14	42°02.0′	3486	39°52.1′	3086	7°36.2′	3812	65°27.5′	3083	79°23.0′	3114
15	41°35.1′	3486	40°21.6′	3085	7°11.2′	3847	65°57.0′	3082	79°52.3′	3113
16	41°08.2′	3485	40°51.1′	3084	6°46.5′	3889	66°26.5′	3080	80°21.6′	3112
17	40°41.3′	3485	41°20.6′	3083	6°22.0′	3941	66°56.0′	3079	80°50.9′	3110
18	40°14.5′	3485	41°50.1′	3082	5°57.8′	4005	67°25.5′	3078	81°20.2′	3109
19	39°47.6′	3484	42°19.6′	3081	5°33.9′	4086	67°55.1′	3077	81°49.5′	3108
20	39°20.7′	3484	42°49.1′	3080	5°10.5′	4188	68°24.6′	3076	82°18.9′	3107
21	38°53.8′	3483	43°18.7′	3079	4°47.6′	4322	68°54.2′	3075	82°48.2′	3106
22	38°26.8′	3483	43°48.2′	3077	–	–	69°23.7′	3074	83°17.6′	3104
23	37°59.9′	3482	44°17.7′	3076	–	–	69°53.3′	3072	83°46.9′	3103

Tue Apr 2, 2019 UTC

UTC	+Saturn		+Jupiter		+Antares		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	44°47.3′	3075	70°22.9′	3071	84°16.3′	3102	45°05.0′	4534
1	45°16.8′	3074	70°52.5′	3070	84°45.7′	3100	45°26.1′	4507
2	45°46.4′	3072	71°22.0′	3068	85°15.0′	3099	45°47.3′	4482
3	46°16.0′	3071	71°51.6′	3067	85°44.4′	3098	46°08.7′	4456
4	46°45.6′	3070	72°21.3′	3066	86°13.8′	3096	46°30.2′	4432
5	47°15.1′	3068	72°50.9′	3064	86°43.2′	3095	46°51.9′	4408
6	47°44.7′	3067	73°20.5′	3063	87°12.7′	3094	47°13.6′	4385
7	48°14.4′	3065	73°50.2′	3061	87°42.1′	3092	47°35.5′	4362
8	48°44.0′	3064	74°19.8′	3060	88°11.5′	3091	47°57.4′	4340
9	49°13.6′	3062	74°49.5′	3058	88°41.0′	3089	48°19.5′	4319
10	49°43.3′	3061	75°19.1′	3057	89°10.4′	3088	48°41.7′	4298
11	50°12.9′	3059	75°48.8′	3055	89°39.9′	3086	49°04.0′	4277
12	50°42.6′	3058	76°18.5′	3053	90°09.4′	3084	49°26.4′	4258
13	51°12.2′	3056	76°48.2′	3052	90°38.9′	3083	49°48.9′	4238
14	51°41.9′	3054	77°17.9′	3050	91°08.4′	3081	50°11.5′	4219
15	52°11.6′	3053	77°47.7′	3048	91°37.9′	3080	50°34.3′	4201
16	52°41.3′	3051	78°17.4′	3047	92°07.4′	3078	50°57.1′	4183
17	53°11.1′	3049	78°47.1′	3045	92°37.0′	3076	51°20.0′	4165
18	53°40.8′	3048	79°16.9′	3043	93°06.5′	3075	51°43.0′	4148
19	54°10.5′	3046	79°46.7′	3041	93°36.1′	3073	52°06.1′	4131
20	54°40.3′	3044	80°16.5′	3039	94°05.6′	3071	52°29.2′	4114
21	55°10.1′	3042	80°46.3′	3038	94°35.2′	3069	52°52.5′	4098
22	55°39.8′	3040	81°16.1′	3036	95°04.8′	3068	53°15.8′	4083
23	56°09.6′	3039	81°45.9′	3034	95°34.4′	3066	53°39.3′	4067

Wed Apr 3, 2019 UTC

UTC	+Venus		+Saturn		+Jupiter		+Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	8°22.0'	3684	56°39.4'	3037	82°15.7'	3032	96°04.1'	3064
1	8°47.7'	3663	57°09.2'	3035	82°45.6'	3030	96°33.7'	3062
2	9°13.6'	3644	57°39.1'	3033	83°15.5'	3028	97°03.3'	3060
3	9°39.5'	3627	58°08.9'	3031	83°45.3'	3026	97°33.0'	3059
4	10°05.5'	3612	58°38.8'	3029	84°15.2'	3024	98°02.7'	3057
5	10°31.6'	3599	59°08.7'	3027	84°45.1'	3022	98°32.3'	3055
6	10°57.8'	3587	59°38.5'	3025	85°15.1'	3020	99°02.0'	3053
7	11°24.1'	3576	60°08.4'	3023	85°45.0'	3018	99°31.7'	3051
8	11°50.4'	3566	60°38.4'	3021	86°14.9'	3016	100°01.5'	3049
9	12°16.8'	3557	61°08.3'	3019	86°44.9'	3014	100°31.2'	3047
10	12°43.3'	3548	61°38.2'	3017	87°14.9'	3012	101°00.9'	3045
11	13°09.8'	3540	62°08.2'	3014	87°44.9'	3009	101°30.7'	3043
12	13°36.3'	3533	62°38.2'	3012	88°14.9'	3007	102°00.5'	3042
13	14°02.9'	3526	63°08.1'	3010	88°44.9'	3005	102°30.2'	3040
14	14°29.6'	3519	63°38.1'	3008	89°14.9'	3003	103°00.0'	3038
15	14°56.3'	3513	64°08.2'	3006	89°45.0'	3001	103°29.9'	3036
16	15°23.0'	3507	64°38.2'	3004	90°15.0'	2998	103°59.7'	3034
17	15°49.7'	3501	65°08.2'	3001	90°45.1'	2996	104°29.5'	3032
18	16°16.5'	3496	65°38.3'	2999	91°15.2'	2994	104°59.4'	3030
19	16°43.4'	3490	66°08.4'	2997	91°45.3'	2992	105°29.2'	3028
20	17°10.2'	3485	66°38.5'	2995	92°15.5'	2989	105°59.1'	3026
21	17°37.1'	3481	67°08.6'	2992	92°45.6'	2987	106°29.0'	3024
22	18°04.0'	3476	67°38.7'	2990	93°15.8'	2985	106°58.9'	3022
23	18°31.0'	3471	68°08.8'	2988	93°46.0'	2982	107°28.8'	3019

Thu Apr 4, 2019 UTC

UTC	+Venus		+Saturn		+Jupiter		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	18°58.0'	3467	68°39.0'	2985	94°16.1'	2980	28°54.3'	4064
1	19°25.0'	3463	69°09.2'	2983	94°46.4'	2978	29°17.9'	4027
2	19°52.0'	3458	69°39.4'	2981	95°16.6'	2975	29°41.6'	3992
3	20°19.1'	3454	70°09.6'	2978	95°46.8'	2973	30°05.5'	3959
4	20°46.2'	3450	70°39.8'	2976	96°17.1'	2970	30°29.6'	3927
5	21°13.3'	3446	71°10.0'	2973	96°47.4'	2968	30°53.9'	3896
6	21°40.4'	3442	71°40.3'	2971	97°17.7'	2966	31°18.4'	3867
7	22°07.6'	3438	72°10.5'	2969	97°48.0'	2963	31°43.0'	3838
8	22°34.7'	3435	72°40.8'	2966	98°18.3'	2961	32°07.8'	3811
9	23°02.0'	3431	73°11.1'	2964	98°48.6'	2958	32°32.8'	3785
10	23°29.2'	3427	73°41.5'	2961	99°19.0'	2956	32°57.9'	3760
11	23°56.4'	3424	74°11.8'	2959	99°49.4'	2953	33°23.1'	3736
12	24°23.7'	3420	74°42.2'	2956	100°19.8'	2951	33°48.5'	3712
13	24°51.0'	3416	75°12.5'	2954	100°50.2'	2948	34°14.0'	3690
14	25°18.3'	3413	75°42.9'	2951	101°20.6'	2946	34°39.7'	3668
15	25°45.7'	3409	76°13.3'	2949	101°51.1'	2943	35°05.4'	3648
16	26°13.0'	3406	76°43.8'	2946	102°21.5'	2941	35°31.3'	3627
17	26°40.4'	3402	77°14.2'	2944	102°52.0'	2938	35°57.4'	3608
18	27°07.8'	3399	77°44.7'	2941	103°22.5'	2936	36°23.5'	3589
19	27°35.3'	3396	78°15.2'	2939	103°53.0'	2933	36°49.8'	3571
20	28°02.7'	3392	78°45.7'	2936	104°23.6'	2930	37°16.1'	3553
21	28°30.2'	3389	79°16.2'	2933	104°54.1'	2928	37°42.6'	3536
22	28°57.7'	3385	79°46.7'	2931	105°24.7'	2925	38°09.2'	3520
23	29°25.2'	3382	80°17.3'	2928	105°55.3'	2923	38°35.9'	3504

Sun Apr 7, 2019 UTC

UTC	–Aldebaran		–Mars		–Betelgeuse		–Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	34°10.2'	2790	29°16.2'	3075	53°24.6'	2988	78°26.8'	2811
1	33°38.6'	2788	28°46.7'	3074	52°54.4'	2989	77°55.3'	2808
2	33°07.1'	2785	28°17.1'	3073	52°24.3'	2989	77°23.9'	2806
3	32°35.5'	2783	27°47.5'	3072	51°54.1'	2989	76°52.5'	2803
4	32°03.9'	2780	27°18.0'	3071	51°24.0'	2990	76°21.0'	2800
5	31°32.2'	2778	26°48.4'	3070	50°53.8'	2990	75°49.5'	2798
6	31°00.6'	2775	26°18.8'	3070	50°23.7'	2991	75°18.0'	2795
7	30°28.9'	2773	25°49.2'	3070	49°53.5'	2991	74°46.5'	2792
8	29°57.2'	2770	25°19.6'	3070	49°23.4'	2992	74°14.9'	2790
9	29°25.5'	2768	24°50.0'	3070	48°53.3'	2993	73°43.4'	2787
10	28°53.8'	2765	24°20.4'	3070	48°23.2'	2994	73°11.8'	2784
11	28°22.0'	2763	23°50.8'	3070	47°53.1'	2996	72°40.2'	2782
12	27°50.3'	2761	23°21.3'	3071	47°23.0'	2997	72°08.6'	2779
13	27°18.5'	2758	22°51.7'	3072	46°52.9'	2999	71°36.9'	2776
14	26°46.7'	2756	22°22.1'	3073	46°22.8'	3000	71°05.3'	2774
15	26°14.9'	2754	21°52.5'	3075	45°52.7'	3002	70°33.6'	2771
16	25°43.1'	2751	21°23.0'	3076	45°22.7'	3004	70°01.9'	2768
17	25°11.2'	2749	20°53.4'	3079	44°52.6'	3007	69°30.2'	2766
18	24°39.4'	2747	20°23.9'	3081	44°22.6'	3009	68°58.4'	2763
19	24°07.5'	2745	19°54.4'	3084	43°52.6'	3012	68°26.7'	2760
20	23°35.6'	2743	19°24.9'	3088	43°22.6'	3014	67°54.9'	2758
21	23°03.7'	2741	18°55.4'	3092	42°52.6'	3017	67°23.1'	2755
22	22°31.8'	2739	18°26.0'	3096	42°22.7'	3021	66°51.3'	2753
23	21°59.8'	2737	17°56.5'	3101	41°52.7'	3024	66°19.4'	2750

Mon Apr 8, 2019 UTC

UTC	–Aldebaran		–Mars		–Betelgeuse		–Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	21°27.9'	2735	17°27.2'	3107	41°22.8'	3028	65°47.6'	2747
1	20°55.9'	2733	16°57.8'	3114	40°53.0'	3032	65°15.7'	2745
2	20°24.0'	2732	16°28.5'	3122	40°23.1'	3036	64°43.8'	2742
3	19°52.0'	2730	15°59.3'	3131	39°53.3'	3041	64°11.9'	2740
4	19°20.0'	2729	15°30.1'	3141	39°23.5'	3046	63°40.0'	2737
5	18°48.0'	2727	15°01.0'	3152	38°53.8'	3051	63°08.0'	2735
6	18°15.9'	2726	14°32.0'	3165	38°24.0'	3057	62°36.1'	2732
7	17°43.9'	2725	14°03.0'	3180	37°54.4'	3063	62°04.1'	2729
8	17°11.9'	2724	13°34.2'	3197	37°24.7'	3069	61°32.1'	2727
9	16°39.8'	2723	13°05.4'	3216	36°55.1'	3076	61°00.1'	2724
10	16°07.8'	2723	12°36.8'	3238	36°25.6'	3083	60°28.0'	2722
11	15°35.7'	2723	12°08.3'	3263	35°56.1'	3091	59°56.0'	2719
12	15°03.7'	2723	11°40.0'	3292	35°26.6'	3099	59°23.9'	2717
13	14°31.6'	2723	11°11.9'	3325	34°57.2'	3107	58°51.8'	2714
14	13°59.6'	2724	10°44.0'	3364	34°27.9'	3116	58°19.7'	2712
15	13°27.5'	2726	10°16.4'	3409	33°58.6'	3126	57°47.5'	2710
16	12°55.5'	2727	9°49.0'	3463	33°29.4'	3137	57°15.4'	2707
17	12°23.5'	2730	9°22.0'	3525	33°00.3'	3148	56°43.2'	2705
18	11°51.5'	2733	8°55.3'	3599	32°31.2'	3159	56°11.0'	2702
19	11°19.5'	2738	8°29.1'	3688	32°02.2'	3172	55°38.8'	2700
20	10°47.6'	2743	8°03.5'	3794	31°33.3'	3185	55°06.6'	2697
21	10°15.6'	2750	7°38.4'	3924	31°04.5'	3199	54°34.4'	2695
22	9°43.8'	2758	–	–	30°35.8'	3214	54°02.1'	2693
23	9°12.0'	2769	–	–	30°07.1'	3230	53°29.8'	2690

Tue Apr 9, 2019 UTC

UTC	+Sun		-Aldebaran		-Pollux		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	42°46.6'	3020	8°40.3'	2782	52°57.5'	2688	29°38.6'	3247
1	43°16.6'	3016	8°08.7'	2799	52°25.2'	2686	29°10.2'	3265
2	43°46.5'	3012	7°37.2'	2821	51°52.9'	2683	28°41.9'	3284
3	44°16.5'	3008	7°05.8'	2848	51°20.6'	2681	28°13.7'	3305
4	44°46.5'	3005	6°34.7'	2884	50°48.2'	2679	27°45.7'	3326
5	45°16.6'	3001	6°03.8'	2931	50°15.8'	2677	27°17.8'	3350
6	45°46.6'	2997	5°33.3'	2994	49°43.4'	2675	26°50.1'	3375
7	46°16.7'	2993	5°03.1'	3080	49°11.0'	2672	26°22.5'	3401
8	46°46.8'	2989	-	-	48°38.6'	2670	25°55.1'	3430
9	47°17.0'	2986	-	-	48°06.1'	2668	25°27.8'	3460
10	47°47.2'	2982	-	-	47°33.7'	2666	25°00.8'	3493
11	48°17.3'	2978	-	-	47°01.2'	2664	24°33.9'	3528
12	48°47.6'	2975	-	-	46°28.7'	2662	24°07.3'	3565
13	49°17.8'	2971	-	-	45°56.2'	2660	23°40.9'	3605
14	49°48.1'	2967	-	-	45°23.7'	2658	23°14.7'	3648
15	50°18.4'	2963	-	-	44°51.1'	2656	22°48.8'	3695
16	50°48.7'	2960	-	-	44°18.6'	2654	22°23.2'	3745
17	51°19.1'	2956	-	-	43°46.0'	2652	21°57.9'	3798
18	51°49.4'	2952	-	-	43°13.5'	2650	21°32.8'	3856
19	52°19.8'	2949	-	-	42°40.9'	2649	21°08.2'	3919
20	52°50.3'	2945	-	-	42°08.3'	2647	20°43.8'	3987
21	53°20.7'	2941	-	-	41°35.6'	2645	20°19.9'	4060
22	53°51.2'	2938	-	-	41°03.0'	2644	19°56.3'	4140
23	54°21.7'	2934	-	-	40°30.4'	2642	19°33.2'	4226

Wed Apr 10, 2019 UTC

UTC	+Sun		+Aldebaran		-Pollux		+Mars		-Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	54°52.2'	2930	5°11.1'	2919	39°57.7'	2641	9°09.4'	3390	42°42.7'	2983
1	55°22.8'	2927	5°41.7'	2854	39°25.1'	2639	9°36.9'	3325	42°12.5'	2989
2	55°53.4'	2923	6°12.8'	2805	38°52.4'	2638	10°04.8'	3269	41°42.4'	2995
3	56°24.0'	2920	6°44.3'	2765	38°19.7'	2637	10°33.1'	3220	41°12.3'	3001
4	56°54.6'	2916	7°16.0'	2733	37°47.0'	2635	11°01.7'	3177	40°42.2'	3008
5	57°25.3'	2912	7°48.0'	2707	37°14.3'	2634	11°30.5'	3139	40°12.2'	3016
6	57°56.0'	2909	8°20.2'	2685	36°41.6'	2633	11°59.7'	3106	39°42.2'	3024
7	58°26.7'	2905	8°52.5'	2666	36°08.9'	2632	12°29.0'	3076	39°12.3'	3032
8	58°57.4'	2901	9°25.0'	2650	35°36.1'	2632	12°58.6'	3049	38°42.5'	3041
9	59°28.2'	2898	9°57.6'	2636	35°03.4'	2631	13°28.3'	3025	38°12.7'	3050
10	59°59.0'	2894	10°30.3'	2624	34°30.7'	2630	13°58.2'	3002	37°42.9'	3060
11	60°29.8'	2891	11°03.1'	2612	33°57.9'	2630	14°28.3'	2982	37°13.3'	3070
12	61°00.6'	2887	11°35.9'	2602	33°25.2'	2629	14°58.4'	2964	36°43.7'	3081
13	61°31.5'	2883	12°08.9'	2593	32°52.4'	2629	15°28.8'	2947	36°14.2'	3093
14	62°02.4'	2880	12°41.9'	2585	32°19.7'	2629	15°59.2'	2931	35°44.7'	3105
15	62°33.3'	2876	13°15.0'	2577	31°46.9'	2629	16°29.8'	2917	35°15.4'	3118
16	63°04.2'	2873	13°48.1'	2570	31°14.2'	2630	17°00.4'	2903	34°46.1'	3132
17	63°35.2'	2869	14°21.3'	2563	30°41.4'	2630	17°31.2'	2890	34°17.0'	3147
18	64°06.2'	2865	14°54.6'	2557	30°08.7'	2631	18°02.0'	2878	33°47.9'	3162
19	64°37.2'	2862	15°27.9'	2551	29°35.9'	2632	18°32.9'	2867	33°18.9'	3179
20	65°08.2'	2858	16°01.3'	2545	29°03.2'	2633	19°03.9'	2856	32°50.1'	3196
21	65°39.3'	2854	16°34.7'	2539	28°30.5'	2634	19°35.0'	2846	32°21.3'	3215
22	66°10.4'	2851	17°08.1'	2534	27°57.8'	2636	20°06.2'	2837	31°52.7'	3235
23	66°41.5'	2847	17°41.6'	2529	27°25.1'	2638	20°37.4'	2828	31°24.2'	3256

Thu Apr 11, 2019 UTC

UTC	+Sun		+Aldebaran		-Pollux		+Mars		-Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	67°12.7'	2844	18°15.1'	2524	26°52.4'	2640	21°08.7'	2819	62°06.9'	2501
1	67°43.9'	2840	18°48.6'	2519	26°19.7'	2643	21°40.0'	2811	61°33.1'	2498
2	68°15.1'	2836	19°22.2'	2514	25°47.0'	2646	22°11.5'	2803	60°59.4'	2495
3	68°46.3'	2833	19°55.9'	2510	25°14.4'	2649	22°42.9'	2795	60°25.6'	2491
4	69°17.5'	2829	20°29.5'	2505	24°41.8'	2653	23°14.4'	2788	59°51.8'	2488
5	69°48.8'	2826	21°03.2'	2501	24°09.2'	2658	23°46.0'	2781	59°18.0'	2485
6	70°20.1'	2822	21°37.0'	2496	23°36.7'	2663	24°17.7'	2774	58°44.1'	2482
7	70°51.4'	2818	22°10.7'	2492	23°04.2'	2668	24°49.3'	2767	58°10.2'	2479
8	71°22.8'	2815	22°44.5'	2488	22°31.8'	2675	25°21.1'	2761	57°36.3'	2476
9	71°54.2'	2811	23°18.4'	2484	21°59.3'	2682	25°52.8'	2754	57°02.4'	2472
10	72°25.6'	2807	23°52.2'	2480	21°27.0'	2690	26°24.7'	2748	56°28.4'	2469
11	72°57.0'	2804	24°26.1'	2476	20°54.7'	2698	26°56.5'	2742	55°54.5'	2466
12	73°28.5'	2800	25°00.1'	2472	20°22.4'	2708	27°28.4'	2736	55°20.4'	2463
13	73°60.0'	2797	25°34.0'	2468	19°50.3'	2719	28°00.4'	2731	54°46.4'	2460
14	74°31.5'	2793	26°08.0'	2464	19°18.2'	2732	28°32.4'	2725	54°12.4'	2457
15	75°03.0'	2789	26°42.0'	2460	18°46.2'	2745	29°04.4'	2719	53°38.3'	2454
16	75°34.6'	2786	27°16.1'	2457	18°14.3'	2761	29°36.5'	2714	53°04.2'	2450
17	76°06.2'	2782	27°50.2'	2453	17°42.6'	2778	30°08.6'	2709	52°30.1'	2447
18	76°37.8'	2778	28°24.3'	2449	17°10.9'	2797	30°40.8'	2704	51°55.9'	2444
19	77°09.5'	2775	28°58.4'	2445	16°39.4'	2819	31°13.0'	2699	51°21.7'	2441
20	77°41.1'	2771	29°32.6'	2442	16°08.0'	2843	31°45.2'	2694	50°47.5'	2438
21	78°12.8'	2768	30°06.8'	2438	15°36.9'	2870	32°17.5'	2689	50°13.3'	2435
22	78°44.5'	2764	30°41.0'	2434	15°05.9'	2901	32°49.8'	2684	49°39.0'	2431
23	79°16.3'	2760	31°15.2'	2431	14°35.1'	2936	33°22.1'	2679	49°04.8'	2428

Fri Apr 12, 2019 UTC

UTC	+Sun		+Aldebaran		-Regulus		+Mars		-Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	79°48.1'	2757	31°49.5'	2427	48°30.5'	2425	33°54.5'	2674	14°04.6'	2976
1	80°19.9'	2753	32°23.8'	2423	47°56.1'	2422	34°26.9'	2669	13°34.4'	3021
2	80°51.7'	2750	32°58.2'	2420	47°21.8'	2419	34°59.4'	2665	13°04.4'	3072
3	81°23.6'	2746	33°32.6'	2416	46°47.4'	2416	35°31.8'	2660	12°34.9'	3132
4	81°55.4'	2742	34°07.0'	2413	46°13.0'	2413	36°04.4'	2656	12°05.7'	3200
5	82°27.3'	2739	34°41.4'	2409	45°38.6'	2409	36°36.9'	2651	11°37.0'	3279
6	82°59.3'	2735	35°15.8'	2406	45°04.1'	2406	37°09.5'	2647	11°08.8'	3371
7	83°31.2'	2732	35°50.3'	2402	44°29.6'	2403	37°42.1'	2642	10°41.1'	3478
8	84°03.2'	2728	36°24.8'	2399	43°55.1'	2400	38°14.8'	2638	10°14.2'	3604
9	84°35.2'	2724	36°59.4'	2395	43°20.6'	2397	38°47.5'	2634	–	–
10	85°07.3'	2721	37°33.9'	2392	42°46.1'	2394	39°20.2'	2629	–	–
11	85°39.4'	2717	38°08.5'	2388	42°11.5'	2391	39°52.9'	2625	–	–
12	86°11.5'	2714	38°43.1'	2385	41°36.9'	2388	40°25.7'	2621	–	–
13	86°43.6'	2710	39°17.8'	2381	41°02.3'	2385	40°58.5'	2617	–	–
14	87°15.7'	2707	39°52.5'	2378	40°27.6'	2382	41°31.4'	2613	–	–
15	87°47.9'	2703	40°27.2'	2374	39°53.0'	2379	42°04.2'	2609	–	–
16	88°20.1'	2700	41°01.9'	2371	39°18.3'	2376	42°37.2'	2604	–	–
17	88°52.3'	2696	41°36.7'	2367	38°43.5'	2373	43°10.1'	2600	–	–
18	89°24.6'	2692	42°11.5'	2364	38°08.8'	2370	43°43.1'	2596	–	–
19	89°56.8'	2689	42°46.3'	2361	37°34.0'	2367	44°16.1'	2592	–	–
20	90°29.1'	2685	43°21.1'	2357	36°59.3'	2364	44°49.1'	2588	–	–
21	91°01.5'	2682	43°56.0'	2354	36°24.4'	2361	45°22.2'	2584	–	–
22	91°33.8'	2678	44°30.9'	2350	35°49.6'	2358	45°55.2'	2580	–	–
23	92°06.2'	2675	45°05.8'	2347	35°14.7'	2356	46°28.4'	2577	–	–

Sat Apr 13, 2019 UTC

UTC	+Sun		-Regulus		+Aldebaran		+Mars		+Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	92°38.6'	2672	34°39.9'	2353	45°40.7'	2344	47°01.5'	2573	30°45.5'	2879
1	93°11.1'	2668	34°05.0'	2350	46°15.7'	2340	47°34.7'	2569	31°16.4'	2858
2	93°43.5'	2665	33°30.0'	2347	46°50.7'	2337	48°07.9'	2565	31°47.5'	2838
3	94°16.0'	2661	32°55.1'	2344	47°25.7'	2334	48°41.1'	2561	32°18.7'	2819
4	94°48.5'	2658	32°20.1'	2342	48°00.8'	2330	49°14.4'	2557	32°50.0'	2800
5	95°21.1'	2654	31°45.1'	2339	48°35.9'	2327	49°47.7'	2554	33°21.5'	2782
6	95°53.6'	2651	31°10.1'	2337	49°11.0'	2324	50°21.0'	2550	33°53.1'	2765
7	96°26.2'	2648	30°35.1'	2334	49°46.1'	2321	50°54.4'	2546	34°24.9'	2749
8	96°58.8'	2644	30°00.0'	2331	50°21.3'	2317	51°27.8'	2542	34°56.7'	2733
9	97°31.5'	2641	29°24.9'	2329	50°56.5'	2314	52°01.2'	2539	35°28.7'	2718
10	98°04.1'	2637	28°49.8'	2327	51°31.7'	2311	52°34.6'	2535	36°00.8'	2704
11	98°36.8'	2634	28°14.7'	2324	52°06.9'	2308	53°08.1'	2532	36°33.0'	2690
12	99°09.5'	2631	27°39.6'	2322	52°42.2'	2305	53°41.6'	2528	37°05.3'	2676
13	99°42.3'	2627	27°04.4'	2320	53°17.5'	2301	54°15.1'	2524	37°37.7'	2663
14	100°15.0'	2624	26°29.3'	2318	53°52.8'	2298	54°48.7'	2521	38°10.2'	2651
15	100°47.8'	2621	25°54.1'	2316	54°28.2'	2295	55°22.3'	2517	38°42.8'	2638
16	101°20.6'	2618	25°18.9'	2314	55°03.5'	2292	55°55.9'	2514	39°15.5'	2627
17	101°53.5'	2614	24°43.7'	2312	55°38.9'	2289	56°29.5'	2510	39°48.2'	2615
18	102°26.3'	2611	24°08.4'	2310	56°14.4'	2286	57°03.2'	2507	40°21.1'	2604
19	102°59.2'	2608	23°33.2'	2308	56°49.8'	2283	57°36.8'	2503	40°54.0'	2594
20	103°32.1'	2605	22°57.9'	2307	57°25.3'	2280	58°10.6'	2500	41°27.0'	2583
21	104°05.1'	2602	22°22.6'	2305	58°00.8'	2276	58°44.3'	2497	42°00.1'	2573
22	104°38.0'	2599	21°47.3'	2304	58°36.3'	2273	59°18.1'	2493	42°33.3'	2564
23	105°11.0'	2595	21°12.0'	2303	59°11.8'	2270	59°51.9'	2490	43°06.6'	2554

Sun Apr 14, 2019 UTC

UTC	+Sun		-Regulus		+Pollux		+Aldebaran		+Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	105°44.0'	2592	20°36.7'	2302	16°47.8'	2617	59°47.4'	2267	43°39.9'	2545
1	106°17.0'	2589	20°01.4'	2301	17°20.7'	2592	60°23.0'	2264	44°13.3'	2536
2	106°50.1'	2586	19°26.1'	2301	17°53.7'	2568	60°58.6'	2262	44°46.7'	2528
3	107°23.2'	2583	18°50.8'	2301	18°26.9'	2546	61°34.3'	2259	45°20.3'	2519
4	107°56.3'	2580	18°15.5'	2301	19°00.3'	2526	62°10.0'	2256	45°53.9'	2511
5	108°29.4'	2577	17°40.1'	2301	19°33.9'	2508	62°45.6'	2253	46°27.5'	2503
6	109°02.5'	2574	17°04.8'	2302	20°07.5'	2491	63°21.4'	2250	47°01.2'	2496
7	109°35.7'	2572	16°29.5'	2303	20°41.4'	2475	63°57.1'	2247	47°35.0'	2488
8	110°08.9'	2569	15°54.2'	2305	21°15.3'	2460	64°32.9'	2244	48°08.8'	2481
9	110°42.1'	2566	15°18.9'	2308	21°49.3'	2446	65°08.7'	2241	48°42.7'	2474
10	111°15.3'	2563	14°43.6'	2311	22°23.5'	2433	65°44.5'	2239	49°16.7'	2467
11	111°48.6'	2560	14°08.4'	2314	22°57.8'	2421	66°20.3'	2236	49°50.7'	2460
12	112°21.9'	2557	13°33.2'	2319	23°32.1'	2409	66°56.2'	2233	50°24.7'	2453
13	112°55.2'	2555	12°58.0'	2325	24°06.6'	2398	67°32.0'	2230	50°58.8'	2447
14	113°28.5'	2552	12°22.9'	2332	24°41.1'	2388	68°07.9'	2228	51°33.0'	2441
15	114°01.8'	2549	11°47.8'	2341	25°15.7'	2378	68°43.9'	2225	52°07.2'	2435
16	114°35.2'	2547	11°12.8'	2351	25°50.4'	2369	69°19.8'	2223	52°41.4'	2429
17	115°08.6'	2544	10°37.9'	2364	26°25.2'	2360	69°55.8'	2220	53°15.7'	2423
18	115°42.0'	2542	10°03.1'	2380	27°00.1'	2352	70°31.8'	2217	53°50.1'	2417
19	116°15.4'	2539	9°28.4'	2400	27°35.0'	2344	71°07.8'	2215	54°24.5'	2412
20	116°48.8'	2537	8°53.9'	2425	28°09.9'	2337	71°43.8'	2212	54°58.9'	2406
21	117°22.3'	2534	8°19.6'	2456	28°45.0'	2329	72°19.8'	2210	55°33.4'	2401
22	117°55.8'	2532	7°45.5'	2495	29°20.1'	2322	72°55.9'	2207	56°07.9'	2396
23	118°29.2'	2530	7°11.7'	2545	29°55.2'	2316	73°32.0'	2205	56°42.5'	2391

Mon Apr 15, 2019 UTC

UTC	+Sun		-Regulus		+Pollux		-Spica		+Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	119°02.8'	2527	6°38.3'	2611	30°30.4'	2309	60°26.9'	2244	57°17.1'	2386
1	119°36.3'	2525	6°05.4'	2699	31°05.7'	2303	59°51.1'	2242	57°51.7'	2381
2	120°09.8'	2523	–	–	31°41.0'	2297	59°15.3'	2240	58°26.4'	2377
3	120°43.4'	2521	–	–	32°16.3'	2292	58°39.5'	2239	59°01.1'	2372
4	121°17.0'	2518	–	–	32°51.7'	2286	58°03.7'	2237	59°35.8'	2368
5	121°50.6'	2516	–	–	33°27.2'	2281	57°27.8'	2236	60°10.6'	2363
6	122°24.2'	2514	–	–	34°02.6'	2276	56°52.0'	2234	60°45.4'	2359
7	122°57.8'	2512	–	–	34°38.2'	2271	56°16.1'	2233	61°20.3'	2355
8	123°31.5'	2510	–	–	35°13.7'	2267	55°40.2'	2231	61°55.2'	2351
9	124°05.1'	2509	–	–	35°49.3'	2262	55°04.3'	2230	62°30.1'	2347
10	124°38.8'	2507	–	–	36°25.0'	2258	54°28.4'	2229	63°05.0'	2343
11	125°12.5'	2505	–	–	37°00.7'	2254	53°52.5'	2228	63°40.0'	2340
12	125°46.2'	2503	–	–	37°36.4'	2250	53°16.6'	2226	64°15.0'	2336
13	126°19.9'	2502	–	–	38°12.1'	2246	52°40.7'	2225	64°50.1'	2333
14	126°53.6'	2500	–	–	38°47.9'	2242	52°04.7'	2224	65°25.1'	2329
15	127°27.4'	2498	–	–	39°23.7'	2238	51°28.8'	2223	66°00.2'	2326
16	128°01.1'	2497	–	–	39°59.5'	2235	50°52.8'	2223	66°35.4'	2323
17	128°34.9'	2495	–	–	40°35.4'	2231	50°16.8'	2222	67°10.5'	2320
18	129°08.7'	2494	–	–	41°11.3'	2228	49°40.9'	2221	67°45.7'	2317
19	129°42.5'	2493	6°00.8'	2584	41°47.2'	2225	49°04.9'	2221	68°20.9'	2314
20	130°16.2'	2491	6°33.9'	2511	42°23.1'	2222	48°28.9'	2220	68°56.1'	2311
21	130°50.1'	2490	7°07.5'	2455	42°59.1'	2219	47°52.9'	2220	69°31.3'	2308
22	131°23.9'	2489	7°41.6'	2410	43°35.1'	2216	47°16.9'	2220	70°06.6'	2306
23	131°57.7'	2488	8°16.1'	2374	44°11.1'	2213	46°40.9'	2219	70°41.9'	2303

Tue Apr 16, 2019 UTC

UTC	+Regulus		+Pollux		-Spica		+Procyon		+Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	8°50.8'	2345	44°47.2'	2211	46°05.0'	2219	46°13.7'	2507	71°17.2'	2300
1	9°25.8'	2320	45°23.2'	2208	45°29.0'	2219	46°47.4'	2499	71°52.5'	2298
2	10°01.0'	2300	45°59.3'	2206	44°53.0'	2219	47°21.1'	2491	72°27.9'	2296
3	10°36.3'	2283	46°35.4'	2203	44°17.0'	2220	47°54.9'	2483	73°03.2'	2294
4	11°11.8'	2268	47°11.6'	2201	43°41.0'	2220	48°28.8'	2476	73°38.6'	2291
5	11°47.3'	2255	47°47.7'	2199	43°05.0'	2220	49°02.7'	2468	74°14.0'	2289
6	12°23.0'	2244	48°23.9'	2197	42°29.0'	2221	49°36.7'	2462	74°49.4'	2288
7	12°58.8'	2235	49°00.0'	2195	41°53.0'	2222	50°10.7'	2455	75°24.9'	2286
8	13°34.7'	2226	49°36.2'	2193	41°17.1'	2222	50°44.8'	2449	76°00.3'	2284
9	14°10.6'	2218	50°12.5'	2191	40°41.1'	2223	51°19.0'	2442	76°35.8'	2282
10	14°46.6'	2212	50°48.7'	2189	40°05.1'	2224	51°53.2'	2437	77°11.2'	2281
11	15°22.7'	2206	51°24.9'	2188	39°29.2'	2226	52°27.4'	2431	77°46.7'	2279
12	15°58.8'	2200	52°01.2'	2186	38°53.2'	2227	53°01.7'	2425	78°22.2'	2278
13	16°34.9'	2195	52°37.5'	2184	38°17.3'	2229	53°36.0'	2420	78°57.7'	2276
14	17°11.1'	2191	53°13.7'	2183	37°41.4'	2230	54°10.4'	2415	79°33.3'	2275
15	17°47.4'	2187	53°50.0'	2182	37°05.5'	2232	54°44.8'	2410	80°08.8'	2274
16	18°23.6'	2183	54°26.3'	2180	36°29.6'	2234	55°19.2'	2406	80°44.3'	2273
17	18°59.9'	2180	55°02.7'	2179	35°53.7'	2237	55°53.7'	2401	81°19.9'	2272
18	19°36.2'	2177	55°39.0'	2178	35°17.9'	2239	56°28.2'	2397	81°55.5'	2271
19	20°12.6'	2174	56°15.3'	2177	34°42.1'	2242	57°02.8'	2393	82°31.0'	2270
20	20°49.0'	2172	56°51.7'	2176	34°06.3'	2245	57°37.4'	2389	83°06.6'	2269
21	21°25.3'	2170	57°28.0'	2175	33°30.5'	2248	58°12.0'	2386	83°42.2'	2269
22	22°01.8'	2168	58°04.4'	2174	32°54.7'	2252	58°46.6'	2382	84°17.8'	2268
23	22°38.2'	2166	58°40.8'	2174	32°19.0'	2255	59°21.3'	2379	84°53.3'	2268

Wed Apr 17, 2019 UTC

UTC	+Regulus		-Spica		+Pollux		+Procyon		-Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	23°14.6'	2164	31°43.3'	2259	59°17.1'	2173	59°56.0'	2376	77°26.4'	2179
1	23°51.1'	2163	31°07.6'	2264	59°53.5'	2172	60°30.7'	2373	76°50.1'	2179
2	24°27.5'	2161	30°32.0'	2268	60°29.9'	2172	61°05.4'	2370	76°13.8'	2179
3	25°04.0'	2160	29°56.4'	2274	61°06.3'	2171	61°40.2'	2367	75°37.4'	2179
4	25°40.5'	2159	29°20.9'	2279	61°42.7'	2171	62°15.0'	2365	75°01.1'	2179
5	26°17.0'	2158	28°45.4'	2285	62°19.1'	2171	62°49.8'	2362	74°24.8'	2180
6	26°53.5'	2157	28°09.9'	2291	62°55.5'	2170	63°24.6'	2360	73°48.5'	2180
7	27°30.0'	2157	27°34.5'	2298	63°31.9'	2170	63°59.5'	2358	73°12.2'	2181
8	28°06.5'	2156	26°59.2'	2305	64°08.3'	2170	64°34.3'	2356	72°35.8'	2181
9	28°43.1'	2156	26°23.9'	2313	64°44.7'	2170	65°09.2'	2354	71°59.5'	2182
10	29°19.6'	2155	25°48.6'	2321	65°21.1'	2170	65°44.1'	2353	71°23.2'	2183
11	29°56.1'	2155	25°13.5'	2330	65°57.5'	2170	66°19.0'	2351	70°46.9'	2184
12	30°32.6'	2155	24°38.4'	2340	66°33.9'	2171	66°53.9'	2350	70°10.6'	2184
13	31°09.2'	2155	24°03.4'	2350	67°10.3'	2171	67°28.8'	2348	69°34.4'	2185
14	31°45.7'	2155	23°28.5'	2362	67°46.7'	2171	68°03.8'	2347	68°58.1'	2186
15	32°22.2'	2155	22°53.6'	2374	68°23.1'	2172	68°38.7'	2346	68°21.8'	2187
16	32°58.7'	2155	22°18.9'	2387	68°59.5'	2172	69°13.7'	2345	67°45.6'	2189
17	33°35.3'	2156	21°44.3'	2401	69°35.8'	2173	69°48.7'	2345	67°09.3'	2190
18	34°11.8'	2156	21°09.8'	2417	70°12.2'	2173	70°23.6'	2344	66°33.1'	2191
19	34°48.3'	2157	20°35.4'	2434	70°48.6'	2174	70°58.6'	2343	65°56.8'	2193
20	35°24.8'	2157	20°01.1'	2453	71°25.0'	2175	71°33.6'	2343	65°20.6'	2194
21	36°01.3'	2158	19°27.0'	2473	72°01.3'	2176	72°08.6'	2343	64°44.4'	2196
22	36°37.8'	2159	18°53.0'	2495	72°37.7'	2177	72°43.6'	2343	64°08.2'	2197
23	37°14.3'	2160	18°19.3'	2520	73°14.0'	2178	73°18.5'	2342	63°32.1'	2199

Thu Apr 18, 2019 UTC

UTC	+Regulus		-Spica		-Antares		-Jupiter		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	37°50.8'	2161	17°45.7'	2546	62°55.9'	2201	76°31.4'	2144	73°50.4'	2179
1	38°27.3'	2162	17°12.3'	2576	62°19.8'	2203	75°54.8'	2145	74°26.7'	2180
2	39°03.8'	2163	16°39.1'	2609	61°43.6'	2205	75°18.1'	2146	75°03.0'	2181
3	39°40.3'	2164	16°06.2'	2645	61°07.5'	2207	74°41.5'	2148	75°39.4'	2182
4	40°16.7'	2165	15°33.6'	2686	60°31.4'	2209	74°04.9'	2149	76°15.7'	2184
5	40°53.2'	2166	15°01.3'	2732	59°55.3'	2211	73°28.4'	2151	76°51.9'	2185
6	41°29.6'	2168	14°29.3'	2783	59°19.3'	2214	72°51.8'	2152	77°28.2'	2186
7	42°06.0'	2169	13°57.7'	2841	58°43.2'	2216	72°15.2'	2154	78°04.5'	2188
8	42°42.4'	2171	13°26.5'	2906	58°07.2'	2218	71°38.7'	2156	78°40.7'	2190
9	43°18.8'	2172	12°55.8'	2980	57°31.2'	2221	71°02.2'	2157	79°17.0'	2191
10	43°55.2'	2174	12°25.6'	3065	56°55.2'	2224	70°25.7'	2159	79°53.2'	2193
11	44°31.6'	2176	11°55.9'	3163	56°19.3'	2226	69°49.2'	2161	80°29.4'	2195
12	45°07.9'	2177	11°27.0'	3276	55°43.3'	2229	69°12.7'	2163	81°05.6'	2197
13	45°44.3'	2179	-	-	55°07.4'	2232	68°36.2'	2165	81°41.8'	2199
14	46°20.6'	2181	-	-	54°31.5'	2235	67°59.8'	2167	82°18.0'	2201
15	46°56.9'	2183	-	-	53°55.7'	2238	67°23.4'	2169	82°54.1'	2203
16	47°33.2'	2185	-	-	53°19.8'	2242	66°47.0'	2172	83°30.2'	2205
17	48°09.5'	2187	-	-	52°44.0'	2245	66°10.6'	2174	84°06.3'	2207
18	48°45.8'	2190	-	-	52°08.3'	2248	65°34.2'	2176	84°42.4'	2210
19	49°22.0'	2192	-	-	51°32.5'	2252	64°57.8'	2179	85°18.5'	2212
20	49°58.2'	2194	-	-	50°56.8'	2256	64°21.5'	2181	85°54.6'	2214
21	50°34.4'	2197	-	-	50°21.1'	2259	63°45.2'	2184	86°30.6'	2217
22	51°10.6'	2199	-	-	49°45.4'	2263	63°08.9'	2186	87°06.6'	2219
23	51°46.8'	2202	-	-	49°09.8'	2267	62°32.6'	2189	87°42.6'	2222

Fri Apr 19, 2019 UTC

UTC	+Regulus		-Antares		-Jupiter		-Saturn		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	52°22.9'	2204	48°34.2'	2271	61°56.4'	2191	88°01.9'	2202	88°18.6'	2225
1	52°59.0'	2207	47°58.6'	2275	61°20.2'	2194	87°25.8'	2205	88°54.5'	2227
2	53°35.1'	2210	47°23.1'	2280	60°44.0'	2197	86°49.7'	2208	89°30.5'	2230
3	54°11.2'	2212	46°47.6'	2284	60°07.8'	2200	86°13.6'	2211	90°06.4'	2233
4	54°47.2'	2215	46°12.1'	2289	59°31.6'	2203	85°37.5'	2214	90°42.2'	2236
5	55°23.3'	2218	45°36.7'	2293	58°55.5'	2206	85°01.5'	2217	91°18.1'	2239
6	55°59.3'	2221	45°01.3'	2298	58°19.4'	2209	84°25.5'	2220	91°53.9'	2242
7	56°35.3'	2224	44°26.0'	2303	57°43.3'	2212	83°49.5'	2223	92°29.7'	2245
8	57°11.2'	2227	43°50.7'	2308	57°07.3'	2215	83°13.5'	2226	93°05.5'	2248
9	57°47.1'	2230	43°15.4'	2313	56°31.2'	2218	82°37.6'	2229	93°41.3'	2252
10	58°23.0'	2233	42°40.2'	2319	55°55.2'	2221	82°01.7'	2232	94°17.0'	2255
11	58°58.9'	2237	42°05.0'	2324	55°19.2'	2225	81°25.8'	2236	94°52.7'	2258
12	59°34.8'	2240	41°29.9'	2330	54°43.3'	2228	80°49.9'	2239	95°28.4'	2262
13	60°10.6'	2243	40°54.8'	2335	54°07.4'	2232	80°14.1'	2242	96°04.0'	2265
14	60°46.4'	2247	40°19.7'	2341	53°31.5'	2235	79°38.3'	2246	96°39.6'	2269
15	61°22.1'	2250	39°44.7'	2347	52°55.6'	2239	79°02.5'	2249	97°15.2'	2272
16	61°57.9'	2254	39°09.8'	2354	52°19.8'	2242	78°26.8'	2253	97°50.8'	2276
17	62°33.6'	2257	38°34.9'	2360	51°44.0'	2246	77°51.1'	2257	98°26.3'	2280
18	63°09.3'	2261	38°00.1'	2367	51°08.2'	2250	77°15.4'	2260	99°01.8'	2284
19	63°44.9'	2265	37°25.3'	2373	50°32.5'	2253	76°39.7'	2264	99°37.2'	2287
20	64°20.5'	2268	36°50.5'	2380	49°56.8'	2257	76°04.1'	2268	100°12.7'	2291
21	64°56.1'	2272	36°15.8'	2388	49°21.1'	2261	75°28.5'	2272	100°48.1'	2295
22	65°31.7'	2276	35°41.2'	2395	48°45.4'	2265	74°52.9'	2275	101°23.4'	2299
23	66°07.2'	2280	35°06.6'	2403	48°09.8'	2269	74°17.4'	2279	101°58.8'	2303

Sat Apr 20, 2019 UTC

UTC	-Antares		-Jupiter		+Spica		+Regulus		-Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	34°32.1'	2411	47°34.2'	2273	14°23.6'	2864	66°42.7'	2284	73°41.9'	2283
1	33°57.7'	2419	46°58.7'	2277	14°54.6'	2824	67°18.2'	2288	73°06.5'	2287
2	33°23.3'	2427	46°23.2'	2281	15°25.9'	2789	67°53.6'	2292	72°31.0'	2291
3	32°49.0'	2436	45°47.7'	2285	15°57.5'	2758	68°29.0'	2296	71°55.6'	2296
4	32°14.8'	2445	45°12.2'	2289	16°29.3'	2731	69°04.4'	2300	71°20.3'	2300
5	31°40.6'	2454	44°36.8'	2294	17°01.3'	2707	69°39.7'	2304	70°44.9'	2304
6	31°06.5'	2464	44°01.4'	2298	17°33.5'	2685	70°15.0'	2309	70°09.6'	2308
7	30°32.5'	2474	43°26.1'	2302	18°05.8'	2666	70°50.2'	2313	69°34.4'	2313
8	29°58.5'	2484	42°50.8'	2307	18°38.3'	2649	71°25.5'	2317	68°59.1'	2317
9	29°24.7'	2495	42°15.5'	2311	19°10.9'	2635	72°00.7'	2321	68°23.9'	2321
10	28°50.9'	2506	41°40.2'	2316	19°43.6'	2621	72°35.8'	2326	67°48.8'	2326
11	28°17.2'	2518	41°05.0'	2320	20°16.4'	2610	73°10.9'	2330	67°13.7'	2330
12	27°43.6'	2530	40°29.9'	2325	20°49.3'	2599	73°46.0'	2335	66°38.6'	2335
13	27°10.1'	2542	39°54.7'	2329	21°22.3'	2590	74°21.1'	2339	66°03.5'	2339
14	26°36.7'	2556	39°19.6'	2334	21°55.3'	2582	74°56.1'	2344	65°28.5'	2344
15	26°03.3'	2569	38°44.6'	2339	22°28.4'	2575	75°31.1'	2349	64°53.5'	2348
16	25°30.1'	2584	38°09.6'	2343	23°01.6'	2569	76°06.0'	2353	64°18.6'	2353
17	24°57.0'	2599	37°34.6'	2348	23°34.8'	2564	76°40.9'	2358	63°43.7'	2358
18	24°24.1'	2615	36°59.6'	2353	24°08.1'	2559	77°15.8'	2363	63°08.8'	2362
19	23°51.2'	2632	36°24.7'	2358	24°41.3'	2555	77°50.6'	2367	62°34.0'	2367
20	23°18.5'	2650	35°49.9'	2363	25°14.7'	2552	78°25.4'	2372	61°59.2'	2372
21	22°45.9'	2669	35°15.1'	2368	25°48.0'	2549	79°00.1'	2377	61°24.5'	2377
22	22°13.4'	2688	34°40.3'	2373	26°21.4'	2547	79°34.8'	2382	60°49.7'	2382
23	21°41.1'	2710	34°05.5'	2378	26°54.7'	2545	80°09.5'	2387	60°15.1'	2387

Sun Apr 21, 2019 UTC

UTC	−Jupiter		+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	33°30.8′	2383	27°28.1′	2544	21°09.0′	2732	59°40.4′	2391	80°44.1′	2392
1	32°56.2′	2388	28°01.5′	2543	20°37.0′	2756	59°05.8′	2396	81°18.7′	2397
2	32°21.5′	2393	28°34.9′	2543	20°05.2′	2782	58°31.3′	2401	81°53.3′	2402
3	31°46.9′	2398	29°08.4′	2542	19°33.6′	2809	57°56.8′	2406	82°27.8′	2407
4	31°12.4′	2403	29°41.8′	2543	19°02.1′	2839	57°22.3′	2411	83°02.3′	2412
5	30°37.9′	2409	30°15.2′	2543	18°30.9′	2870	56°47.9′	2417	83°36.7′	2417
6	30°03.4′	2414	30°48.6′	2544	17°59.9′	2905	56°13.5′	2422	84°11.1′	2422
7	29°29.0′	2419	31°22.0′	2545	17°29.2′	2942	55°39.1′	2427	84°45.5′	2427
8	28°54.7′	2425	31°55.4′	2546	16°58.7′	2982	55°04.8′	2432	85°19.8′	2432
9	28°20.3′	2430	32°28.8′	2548	16°28.5′	3026	54°30.5′	2437	85°54.0′	2437
10	27°46.0′	2436	33°02.1′	2550	15°58.6′	3074	53°56.3′	2442	86°28.3′	2443
11	27°11.8′	2441	33°35.5′	2552	15°29.1′	3127	53°22.1′	2448	87°02.5′	2448
12	26°37.6′	2447	34°08.8′	2554	14°59.9′	3185	52°48.0′	2453	87°36.6′	2453
13	26°03.4′	2452	34°42.2′	2556	14°31.0′	3249	52°13.8′	2458	88°10.7′	2458
14	25°29.3′	2458	35°15.5′	2558	14°02.7′	3321	51°39.8′	2463	88°44.8′	2464
15	24°55.3′	2464	35°48.7′	2561	13°34.7′	3400	51°05.7′	2469	89°18.8′	2469
16	24°21.2′	2469	36°22.0′	2564	13°07.3′	3489	50°31.8′	2474	89°52.8′	2474
17	23°47.2′	2475	36°55.3′	2567	12°40.4′	3589	49°57.8′	2479	90°26.7′	2480
18	23°13.3′	2481	37°28.5′	2570	12°14.2′	3702	49°23.9′	2485	91°00.6′	2485
19	22°39.4′	2487	38°01.7′	2573	11°48.6′	3830	48°50.1′	2490	91°34.5′	2490
20	22°05.6′	2493	38°34.9′	2576	–	–	48°16.2′	2495	92°08.3′	2496
21	21°31.8′	2499	39°08.0′	2580	–	–	47°42.5′	2501	92°42.1′	2501
22	20°58.0′	2505	39°41.2′	2583	–	–	47°08.7′	2506	93°15.8′	2507
23	20°24.3′	2511	40°14.3′	2587	–	–	46°35.0′	2512	93°49.5′	2512

Mon Apr 22, 2019 UTC

UTC	−Jupiter		−Saturn		+Spica		+Regulus		−Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	19°50.7′	2517	46°01.4′	2517	40°47.3′	2590	94°23.1′	2517	90°56.6′	2722
1	19°17.1′	2524	45°27.8′	2522	41°20.4′	2594	94°56.7′	2523	90°24.6′	2728
2	18°43.5′	2530	44°54.2′	2528	41°53.4′	2598	95°30.3′	2528	89°52.5′	2733
3	18°10.0′	2536	44°20.7′	2533	42°26.4′	2602	96°03.8′	2534	89°20.6′	2739
4	17°36.5′	2543	43°47.2′	2539	42°59.3′	2606	96°37.3′	2539	88°48.6′	2744
5	17°03.1′	2550	43°13.8′	2544	43°32.3′	2610	97°10.7′	2545	88°16.7′	2750
6	16°29.8′	2557	42°40.4′	2550	44°05.2′	2614	97°44.1′	2550	87°44.9′	2755
7	15°56.5′	2564	42°07.0′	2555	44°38.0′	2618	98°17.5′	2556	87°13.1′	2761
8	15°23.2′	2571	41°33.7′	2561	45°10.9′	2622	98°50.8′	2562	86°41.3′	2767
9	14°50.0′	2578	41°00.4′	2566	45°43.7′	2627	99°24.1′	2567	86°09.6′	2773
10	14°16.9′	2586	40°27.2′	2572	46°16.4′	2631	99°57.3′	2573	85°37.9′	2778
11	13°43.8′	2594	39°54.0′	2577	46°49.2′	2636	100°30.5′	2578	85°06.2′	2784
12	13°10.8′	2602	39°20.9′	2583	47°21.9′	2640	101°03.6′	2584	84°34.6′	2790
13	12°37.8′	2611	38°47.8′	2588	47°54.5′	2644	101°36.7′	2589	84°03.1′	2796
14	12°05.0′	2620	38°14.7′	2594	48°27.2′	2649	102°09.8′	2595	83°31.5′	2802
15	11°32.1′	2630	37°41.7′	2599	48°59.8′	2653	102°42.8′	2600	83°00.1′	2808
16	10°59.4′	2640	37°08.7′	2605	49°32.4′	2658	103°15.7′	2606	82°28.6′	2814
17	10°26.7′	2651	36°35.8′	2610	50°04.9′	2663	103°48.7′	2611	81°57.3′	2820
18	9°54.1′	2663	36°02.9′	2616	50°37.4′	2667	104°21.6′	2617	81°25.9′	2826
19	9°21.6′	2677	35°30.0′	2621	51°09.9′	2672	104°54.4′	2623	80°54.6′	2833
20	8°49.2′	2692	34°57.2′	2627	51°42.3′	2677	105°27.2′	2628	80°23.4′	2839
21	8°17.0′	2709	34°24.4′	2632	52°14.7′	2681	105°60.0′	2634	79°52.2′	2845
22	7°44.8′	2728	33°51.7′	2638	52°47.0′	2686	106°32.7′	2639	79°21.0′	2851
23	7°12.8′	2751	33°19.0′	2643	53°19.4′	2691	107°05.4′	2645	78°49.9′	2857

Tue Apr 23, 2019 UTC

UTC	−Jupiter		−Saturn		+Spica		−Formalhaut		+Arcturus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	6°40.9'	2778	32°46.4'	2649	53°51.7'	2696	78°18.8'	2864	57°27.0'	3308
1	6°09.3'	2812	32°13.8'	2654	54°23.9'	2701	77°47.8'	2870	57°55.0'	3306
2	5°37.9'	2854	31°41.2'	2660	54°56.1'	2705	77°16.8'	2877	58°23.0'	3304
3	5°06.8'	2910	31°08.7'	2665	55°28.3'	2710	76°45.8'	2883	58°51.1'	3302
4	4°36.1'	2985	30°36.2'	2671	56°00.5'	2715	76°15.0'	2889	59°19.1'	3300
5	4°05.9'	3091	30°03.8'	2676	56°32.6'	2720	75°44.1'	2896	59°47.2'	3299
6	–	–	29°31.4'	2682	57°04.6'	2725	75°13.3'	2902	60°15.3'	3297
7	–	–	28°59.0'	2687	57°36.7'	2730	74°42.6'	2909	60°43.3'	3296
8	–	–	28°26.7'	2692	58°08.7'	2734	74°11.8'	2916	61°11.4'	3295
9	–	–	27°54.4'	2698	58°40.7'	2739	73°41.2'	2922	61°39.5'	3294
10	–	–	27°22.2'	2703	59°12.6'	2744	73°10.6'	2929	62°07.6'	3294
11	–	–	26°50.0'	2708	59°44.5'	2749	72°40.0'	2936	62°35.7'	3293
12	–	–	26°17.8'	2714	60°16.3'	2754	72°09.5'	2942	63°03.8'	3293
13	–	–	25°45.7'	2719	60°48.2'	2759	71°39.0'	2949	63°32.0'	3293
14	–	–	25°13.6'	2724	61°20.0'	2764	71°08.6'	2956	64°00.1'	3293
15	–	–	24°41.6'	2730	61°51.7'	2768	70°38.2'	2963	64°28.2'	3293
16	–	–	24°09.6'	2735	62°23.4'	2773	70°07.9'	2969	64°56.3'	3293
17	–	–	23°37.6'	2740	62°55.1'	2778	69°37.6'	2976	65°24.4'	3294
18	–	–	23°05.7'	2745	63°26.8'	2783	69°07.4'	2983	65°52.5'	3294
19	4°06.4'	3063	22°33.8'	2751	63°58.4'	2788	68°37.2'	2990	66°20.6'	3295
20	4°36.0'	3000	22°02.0'	2756	64°29.9'	2793	68°07.0'	2997	66°48.7'	3296
21	5°06.1'	2956	21°30.2'	2761	65°01.5'	2797	67°36.9'	3004	67°16.8'	3297
22	5°36.5'	2924	20°58.4'	2766	65°33.0'	2802	67°06.9'	3011	67°44.9'	3298
23	6°07.1'	2901	20°26.7'	2771	66°04.5'	2807	66°36.9'	3018	68°12.9'	3299

Wed Apr 24, 2019 UTC

UTC	+Jupiter		−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	6°37.8'	2884	19°55.0'	2776	21°30.8'	3089	66°35.9'	2812	66°07.0'	3025
1	7°08.7'	2872	19°23.3'	2781	22°00.3'	3080	67°07.3'	2816	65°37.1'	3033
2	7°39.7'	2863	18°51.7'	2786	22°29.8'	3072	67°38.7'	2821	65°07.2'	3040
3	8°10.7'	2856	18°20.1'	2791	22°59.4'	3065	68°10.0'	2826	64°37.4'	3047
4	8°41.8'	2852	17°48.5'	2796	23°29.0'	3058	68°41.3'	2831	64°07.7'	3054
5	9°12.9'	2849	17°17.0'	2801	23°58.7'	3052	69°12.6'	2835	63°38.0'	3062
6	9°44.1'	2847	16°45.5'	2806	24°28.4'	3047	69°43.8'	2840	63°08.3'	3069
7	10°15.2'	2846	16°14.1'	2811	24°58.1'	3043	70°15.0'	2844	62°38.7'	3076
8	10°46.4'	2846	15°42.7'	2816	25°27.9'	3039	70°46.2'	2849	62°09.2'	3084
9	11°17.5'	2846	15°11.3'	2821	25°57.7'	3035	71°17.3'	2854	61°39.7'	3091
10	11°48.7'	2847	14°40.0'	2826	26°27.6'	3032	71°48.4'	2858	61°10.2'	3099
11	12°19.8'	2849	14°08.7'	2831	26°57.4'	3029	72°19.5'	2863	60°40.8'	3106
12	12°51.0'	2851	13°37.4'	2836	27°27.3'	3027	72°50.5'	2867	60°11.5'	3114
13	13°22.1'	2853	13°06.2'	2840	27°57.2'	3025	73°21.5'	2872	59°42.2'	3122
14	13°53.2'	2855	12°35.0'	2845	28°27.1'	3024	73°52.5'	2876	59°13.0'	3130
15	14°24.3'	2858	12°03.8'	2850	28°57.0'	3022	74°23.5'	2881	58°43.8'	3137
16	14°55.4'	2860	11°32.7'	2855	29°26.9'	3021	74°54.4'	2885	58°14.6'	3145
17	15°26.4'	2863	11°01.6'	2859	29°56.8'	3021	75°25.2'	2889	57°45.6'	3153
18	15°57.5'	2866	10°30.5'	2864	30°26.7'	3020	75°56.1'	2894	57°16.5'	3161
19	16°28.5'	2869	9°59.5'	2869	30°56.7'	3020	76°26.9'	2898	56°47.6'	3169
20	16°59.5'	2872	9°28.5'	2874	31°26.6'	3020	76°57.7'	2902	56°18.6'	3177
21	17°30.4'	2875	8°57.6'	2879	31°56.5'	3020	77°28.4'	2907	55°49.8'	3186
22	18°01.4'	2879	8°26.6'	2883	32°26.5'	3020	77°59.2'	2911	55°21.0'	3194
23	18°32.3'	2882	7°55.8'	2888	32°56.4'	3020	78°29.9'	2915	54°52.2'	3202

Thu Apr 25, 2019 UTC

UTC	−Sun		−Saturn		+Jupiter		+Antares		−Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	111°25.4'	3261	7°24.9'	2893	19°03.2'	2885	33°26.3'	3021	54°23.5'	3211
1	110°57.1'	3266	6°54.1'	2899	19°34.1'	2889	33°56.3'	3021	53°54.9'	3219
2	110°28.8'	3270	6°23.3'	2904	20°04.9'	2892	34°26.2'	3022	53°26.3'	3228
3	110°00.5'	3275	5°52.6'	2910	20°35.8'	2896	34°56.1'	3023	52°57.7'	3237
4	109°32.3'	3279	5°21.9'	2916	21°06.6'	2899	35°26.0'	3024	52°29.3'	3245
5	109°04.1'	3283	4°51.2'	2923	21°37.3'	2902	35°55.9'	3025	52°00.8'	3254
6	108°35.9'	3287	4°20.6'	2930	22°08.1'	2906	36°25.8'	3026	51°32.5'	3263
7	108°07.8'	3292	3°50.0'	2940	22°38.8'	2909	36°55.7'	3028	51°04.2'	3273
8	107°39.7'	3296	3°19.5'	2953	23°09.5'	2913	37°25.6'	3029	50°35.9'	3282
9	107°11.6'	3300	2°49.1'	2971	23°40.2'	2916	37°55.5'	3030	50°07.7'	3291
10	106°43.5'	3304	2°18.9'	3001	24°10.9'	2920	38°25.3'	3032	49°39.6'	3301
11	106°15.5'	3308	1°48.8'	3062	24°41.5'	2923	38°55.2'	3033	49°11.6'	3310
12	105°47.5'	3312	–	–	25°12.1'	2926	39°25.0'	3035	48°43.6'	3320
13	105°19.5'	3316	–	–	25°42.7'	2930	39°54.8'	3036	48°15.6'	3330
14	104°51.5'	3320	–	–	26°13.3'	2933	40°24.7'	3038	47°47.8'	3340
15	104°23.6'	3324	–	–	26°43.8'	2936	40°54.5'	3040	47°20.0'	3350
16	103°55.7'	3328	–	–	27°14.3'	2939	41°24.3'	3041	46°52.2'	3361
17	103°27.8'	3332	–	–	27°44.8'	2943	41°54.1'	3043	46°24.5'	3371
18	102°59.9'	3335	1°49.1'	3030	28°15.3'	2946	42°23.8'	3045	45°56.9'	3382
19	102°32.1'	3339	2°19.0'	3007	28°45.7'	2949	42°53.6'	3047	45°29.4'	3393
20	102°04.3'	3343	2°49.0'	2996	29°16.2'	2952	43°23.3'	3048	45°01.9'	3404
21	101°36.5'	3346	3°19.1'	2991	29°46.6'	2955	43°53.1'	3050	44°34.5'	3416
22	101°08.7'	3350	3°49.2'	2989	30°16.9'	2958	44°22.8'	3052	44°07.2'	3427
23	100°41.0'	3353	4°19.4'	2988	30°47.3'	2961	44°52.5'	3054	43°39.9'	3439

Fri Apr 26, 2019 UTC

UTC	−Sun		+Saturn		+Jupiter		+Antares		−Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	100°13.3'	3357	4°49.5'	2989	31°17.6'	2964	45°22.2'	3056	43°12.8'	3451
1	99°45.6'	3360	5°19.7'	2990	31°48.0'	2967	45°51.9'	3057	42°45.7'	3463
2	99°17.9'	3363	5°49.8'	2991	32°18.3'	2970	46°21.6'	3059	42°18.6'	3476
3	98°50.2'	3367	6°20.0'	2993	32°48.5'	2973	46°51.2'	3061	41°51.7'	3489
4	98°22.6'	3370	6°50.1'	2995	33°18.8'	2976	47°20.9'	3063	41°24.8'	3502
5	97°55.0'	3373	7°20.2'	2997	33°49.0'	2979	47°50.5'	3065	40°58.0'	3516
6	97°27.4'	3376	7°50.3'	3000	34°19.3'	2981	48°20.2'	3066	40°31.3'	3529
7	96°59.8'	3379	8°20.4'	3002	34°49.5'	2984	48°49.8'	3068	40°04.7'	3544
8	96°32.3'	3382	8°50.4'	3004	35°19.6'	2987	49°19.4'	3070	39°38.2'	3558
9	96°04.7'	3385	9°20.5'	3007	35°49.8'	2989	49°49.0'	3072	39°11.7'	3573
10	95°37.2'	3388	9°50.5'	3009	36°20.0'	2992	50°18.6'	3073	38°45.4'	3588
11	95°09.7'	3391	10°20.5'	3012	36°50.1'	2994	50°48.1'	3075	38°19.1'	3604
12	94°42.2'	3394	10°50.5'	3014	37°20.2'	2997	51°17.7'	3077	37°52.9'	3620
13	94°14.8'	3397	11°20.5'	3016	37°50.3'	2999	51°47.2'	3078	37°26.9'	3637
14	93°47.3'	3399	11°50.4'	3019	38°20.4'	3001	52°16.8'	3080	37°00.9'	3654
15	93°19.9'	3402	12°20.4'	3021	38°50.4'	3004	52°46.3'	3082	36°35.0'	3672
16	92°52.5'	3405	12°50.3'	3023	39°20.5'	3006	53°15.8'	3083	36°09.3'	3690
17	92°25.1'	3407	13°20.2'	3025	39°50.5'	3008	53°45.3'	3085	35°43.6'	3709
18	91°57.7'	3410	13°50.1'	3027	40°20.5'	3010	54°14.8'	3086	35°18.1'	3729
19	91°30.3'	3412	14°20.0'	3030	40°50.5'	3013	54°44.3'	3088	34°52.7'	3749
20	91°03.0'	3414	14°49.8'	3032	41°20.5'	3015	55°13.7'	3089	34°27.4'	3770
21	90°35.6'	3417	15°19.7'	3034	41°50.5'	3017	55°43.2'	3091	34°02.2'	3791
22	90°08.3'	3419	15°49.5'	3036	42°20.4'	3019	56°12.6'	3092	33°37.1'	3814
23	89°41.0'	3421	16°19.4'	3038	42°50.4'	3020	56°42.1'	3093	33°12.2'	3837

Sat Apr 27, 2019 UTC

UTC	−Sun		+Saturn		+Jupiter		+Antares		−Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	89°13.7'	3423	16°49.2'	3040	43°20.3'	3022	57°11.5'	3095	32°47.4'	3861
1	88°46.4'	3425	17°19.0'	3041	43°50.2'	3024	57°40.9'	3096	32°22.7'	3886
2	88°19.2'	3428	17°48.7'	3043	44°20.1'	3026	58°10.4'	3097	31°58.2'	3912
3	87°51.9'	3429	18°18.5'	3045	44°50.0'	3028	58°39.8'	3099	31°33.8'	3939
4	87°24.7'	3431	18°48.3'	3047	45°19.9'	3029	59°09.2'	3100	31°09.6'	3967
5	86°57.5'	3433	19°18.0'	3048	45°49.8'	3031	59°38.5'	3101	30°45.5'	3996
6	86°30.2'	3435	19°47.8'	3050	46°19.6'	3033	60°07.9'	3102	30°21.6'	4026
7	86°03.0'	3437	20°17.5'	3052	46°49.5'	3034	60°37.3'	3103	29°57.9'	4058
8	85°35.8'	3439	20°47.2'	3053	47°19.3'	3036	61°06.7'	3104	29°34.3'	4091
9	85°08.7'	3440	21°16.9'	3055	47°49.1'	3037	61°36.0'	3105	29°10.9'	4125
10	84°41.5'	3442	21°46.6'	3056	48°19.0'	3038	62°05.4'	3106	28°47.7'	4162
11	84°14.3'	3443	22°16.3'	3057	48°48.8'	3040	62°34.7'	3107	28°24.7'	4199
12	83°47.2'	3445	22°46.0'	3059	49°18.6'	3041	63°04.1'	3108	28°01.9'	4239
13	83°20.0'	3446	23°15.6'	3060	49°48.3'	3042	63°33.4'	3109	27°39.2'	4280
14	82°52.9'	3448	23°45.3'	3061	50°18.1'	3043	64°02.7'	3110	27°16.9'	4324
15	82°25.8'	3449	24°15.0'	3062	50°47.9'	3044	64°32.0'	3110	26°54.7'	4369
16	81°58.7'	3450	24°44.6'	3063	51°17.7'	3045	65°01.4'	3111	26°32.7'	4417
17	81°31.5'	3451	25°14.2'	3064	51°47.4'	3046	65°30.7'	3112	26°11.0'	4468
18	81°04.4'	3453	25°43.9'	3065	52°17.2'	3047	65°60.0'	3113	25°49.6'	4520
19	80°37.3'	3454	26°13.5'	3066	52°46.9'	3048	66°29.3'	3113	25°28.4'	4576
20	80°10.3'	3455	26°43.1'	3067	53°16.7'	3049	66°58.6'	3114	25°07.5'	4635
21	79°43.2'	3456	27°12.7'	3068	53°46.4'	3050	67°27.9'	3114	24°46.9'	4697
22	79°16.1'	3457	27°42.3'	3069	54°16.1'	3051	67°57.2'	3115	24°26.5'	4762
23	78°49.0'	3457	28°11.9'	3070	54°45.8'	3051	68°26.4'	3115	24°06.5'	4831

Sun Apr 28, 2019 UTC

UTC	−Sun		+Saturn		+Jupiter		+Antares		−Venus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	78°22.0'	3458	28°41.5'	3070	55°15.6'	3052	68°55.7'	3116	49°46.2'	3551
1	77°54.9'	3459	29°11.1'	3071	55°45.3'	3052	69°25.0'	3116	49°19.7'	3552
2	77°27.8'	3460	29°40.7'	3071	56°15.0'	3053	69°54.3'	3116	48°53.3'	3553
3	77°00.8'	3460	30°10.3'	3072	56°44.7'	3053	70°23.6'	3117	48°26.8'	3554
4	76°33.7'	3461	30°39.8'	3072	57°14.4'	3054	70°52.8'	3117	48°00.3'	3555
5	76°06.7'	3461	31°09.4'	3073	57°44.1'	3054	71°22.1'	3117	47°33.8'	3555
6	75°39.7'	3462	31°39.0'	3073	58°13.8'	3055	71°51.4'	3117	47°07.4'	3556
7	75°12.6'	3462	32°08.6'	3073	58°43.5'	3055	72°20.7'	3117	46°40.9'	3556
8	74°45.6'	3463	32°38.1'	3074	59°13.2'	3055	72°49.9'	3117	46°14.5'	3557
9	74°18.6'	3463	33°07.7'	3074	59°42.9'	3055	73°19.2'	3117	45°48.0'	3558
10	73°51.5'	3463	33°37.2'	3074	60°12.6'	3055	73°48.5'	3117	45°21.6'	3558
11	73°24.5'	3463	34°06.8'	3074	60°42.3'	3055	74°17.7'	3117	44°55.1'	3558
12	72°57.5'	3464	34°36.4'	3074	61°12.0'	3055	74°47.0'	3117	44°28.7'	3559
13	72°30.4'	3464	35°05.9'	3074	61°41.6'	3055	75°16.3'	3117	44°02.2'	3559
14	72°03.4'	3464	35°35.5'	3074	62°11.3'	3055	75°45.6'	3117	43°35.8'	3559
15	71°36.4'	3464	36°05.1'	3074	62°41.0'	3055	76°14.8'	3116	43°09.4'	3559
16	71°09.4'	3464	36°34.6'	3074	63°10.7'	3055	76°44.1'	3116	42°42.9'	3560
17	70°42.3'	3463	37°04.2'	3074	63°40.4'	3055	77°13.4'	3116	42°16.5'	3560
18	70°15.3'	3463	37°33.7'	3073	64°10.1'	3054	77°42.7'	3115	41°50.1'	3560
19	69°48.3'	3463	38°03.3'	3073	64°39.8'	3054	78°11.9'	3115	41°23.6'	3560
20	69°21.2'	3463	38°32.9'	3073	65°09.5'	3054	78°41.2'	3114	40°57.2'	3560
21	68°54.2'	3462	39°02.5'	3072	65°39.2'	3053	79°10.5'	3114	40°30.7'	3559
22	68°27.2'	3462	39°32.0'	3072	66°08.9'	3053	79°39.8'	3113	40°04.3'	3559
23	68°00.1'	3462	40°01.6'	3071	66°38.6'	3052	80°09.1'	3113	39°37.9'	3559

Mon Apr 29, 2019 UTC

UTC	−Sun		+Saturn		+Jupiter		−Venus		+Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	67°33.1′	3461	40°31.2′	3071	67°08.3′	3052	39°11.4′	3559	80°38.4′	3112
1	67°06.1′	3461	41°00.8′	3070	67°38.0′	3051	38°45.0′	3559	81°07.7′	3111
2	66°39.0′	3460	41°30.4′	3070	68°07.8′	3050	38°18.6′	3558	81°37.0′	3111
3	66°12.0′	3459	41°60.0′	3069	68°37.5′	3050	37°52.1′	3558	82°06.3′	3110
4	65°44.9′	3459	42°29.6′	3068	69°07.2′	3049	37°25.7′	3558	82°35.7′	3109
5	65°17.9′	3458	42°59.2′	3067	69°36.9′	3048	36°59.2′	3557	83°05.0′	3108
6	64°50.8′	3457	43°28.8′	3066	70°06.7′	3047	36°32.8′	3557	83°34.3′	3107
7	64°23.7′	3456	43°58.4′	3066	70°36.4′	3046	36°06.3′	3556	84°03.7′	3106
8	63°56.7′	3455	44°28.0′	3065	71°06.2′	3045	35°39.9′	3556	84°33.0′	3105
9	63°29.6′	3455	44°57.6′	3064	71°35.9′	3044	35°13.4′	3555	85°02.4′	3104
10	63°02.5′	3454	45°27.3′	3063	72°05.7′	3043	34°46.9′	3555	85°31.7′	3103
11	62°35.4′	3453	45°56.9′	3062	72°35.5′	3042	34°20.5′	3554	86°01.1′	3102
12	62°08.3′	3452	46°26.5′	3060	73°05.3′	3041	33°54.0′	3553	86°30.5′	3101
13	61°41.2′	3450	46°56.2′	3059	73°35.1′	3040	33°27.5′	3553	86°59.8′	3100
14	61°14.1′	3449	47°25.9′	3058	74°04.8′	3039	33°01.0′	3552	87°29.2′	3099
15	60°47.0′	3448	47°55.5′	3057	74°34.7′	3037	32°34.6′	3551	87°58.6′	3097
16	60°19.9′	3447	48°25.2′	3055	75°04.5′	3036	32°08.1′	3550	88°28.0′	3096
17	59°52.7′	3446	48°54.9′	3054	75°34.3′	3035	31°41.6′	3550	88°57.4′	3095
18	59°25.6′	3444	49°24.6′	3053	76°04.1′	3033	31°15.1′	3549	89°26.9′	3093
19	58°58.4′	3443	49°54.3′	3051	76°34.0′	3032	30°48.6′	3548	89°56.3′	3092
20	58°31.3′	3441	50°24.0′	3050	77°03.8′	3030	30°22.1′	3547	90°25.7′	3090
21	58°04.1′	3440	50°53.8′	3048	77°33.7′	3029	29°55.6′	3546	90°55.2′	3089
22	57°37.0′	3438	51°23.5′	3047	78°03.6′	3027	29°29.0′	3545	91°24.6′	3087
23	57°09.8′	3437	51°53.3′	3045	78°33.4′	3025	29°02.5′	3544	91°54.1′	3086

Tue Apr 30, 2019 UTC

UTC	−Sun		+Saturn		−Venus		+Jupiter		+Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	56°42.6′	3435	52°23.0′	3043	28°36.0′	3544	79°03.3′	3024	92°23.6′	3084
1	56°15.4′	3434	52°52.8′	3042	28°09.5′	3543	79°33.2′	3022	92°53.1′	3083
2	55°48.2′	3432	53°22.6′	3040	27°42.9′	3542	80°03.2′	3020	93°22.6′	3081
3	55°20.9′	3430	53°52.4′	3038	27°16.4′	3541	80°33.1′	3019	93°52.1′	3079
4	54°53.7′	3429	54°22.2′	3036	26°49.8′	3540	81°03.0′	3017	94°21.6′	3077
5	54°26.5′	3427	54°52.0′	3035	26°23.3′	3539	81°33.0′	3015	94°51.2′	3076
6	53°59.2′	3425	55°21.8′	3033	25°56.7′	3538	82°03.0′	3013	95°20.7′	3074
7	53°31.9′	3423	55°51.7′	3031	25°30.1′	3538	82°32.9′	3011	95°50.3′	3072
8	53°04.7′	3421	56°21.5′	3029	25°03.6′	3537	83°02.9′	3009	96°19.9′	3070
9	52°37.4′	3419	56°51.4′	3027	24°37.0′	3536	83°32.9′	3007	96°49.5′	3068
10	52°10.1′	3417	57°21.3′	3025	24°10.4′	3535	84°03.0′	3005	97°19.1′	3066
11	51°42.7′	3415	57°51.2′	3023	23°43.8′	3535	84°33.0′	3003	97°48.7′	3064
12	51°15.4′	3413	58°21.1′	3020	23°17.3′	3534	85°03.1′	3001	98°18.3′	3062
13	50°48.1′	3411	58°51.0′	3018	22°50.7′	3534	85°33.1′	2998	98°48.0′	3060
14	50°20.7′	3409	59°21.0′	3016	22°24.1′	3533	86°03.2′	2996	99°17.6′	3058
15	49°53.4′	3407	59°50.9′	3014	21°57.5′	3533	86°33.3′	2994	99°47.3′	3056
16	49°26.0′	3405	60°20.9′	3012	21°30.9′	3533	87°03.4′	2992	100°17.0′	3054
17	48°58.6′	3403	60°50.9′	3009	21°04.3′	3532	87°33.5′	2989	100°46.7′	3052
18	48°31.2′	3401	61°20.9′	3007	20°37.7′	3532	88°03.7′	2987	101°16.4′	3050
19	48°03.8′	3398	61°50.9′	3004	20°11.1′	3532	88°33.9′	2985	101°46.1′	3047
20	47°36.3′	3396	62°21.0′	3002	19°44.5′	3533	89°04.0′	2982	102°15.9′	3045
21	47°08.9′	3394	62°51.0′	3000	19°17.9′	3533	89°34.2′	2980	102°45.6′	3043
22	46°41.4′	3392	63°21.1′	2997	18°51.3′	3534	90°04.4′	2977	103°15.4′	3041
23	46°13.9′	3389	63°51.2′	2995	18°24.7′	3534	90°34.7′	2975	103°45.2′	3038