

Wed May 1, 2019 UTC

UTC	-Sun		-Venus		+Saturn		+Jupiter		+Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	45°46.4'	3387	17°58.1'	3535	64°21.3'	2992	91°04.9'	2972	104°15.0'	3036
1	45°18.9'	3385	17°31.5'	3537	64°51.4'	2989	91°35.2'	2970	104°44.8'	3034
2	44°51.4'	3382	17°04.9'	3538	65°21.6'	2987	92°05.5'	2967	105°14.7'	3031
3	44°23.9'	3380	16°38.4'	3540	65°51.7'	2984	92°35.8'	2964	105°44.5'	3029
4	43°56.3'	3377	16°11.8'	3543	66°21.9'	2982	93°06.1'	2962	106°14.4'	3026
5	43°28.8'	3375	15°45.3'	3546	66°52.1'	2979	93°36.4'	2959	106°44.3'	3024
6	43°01.2'	3373	15°18.7'	3549	67°22.3'	2976	94°06.8'	2956	107°14.2'	3021
7	42°33.6'	3370	14°52.2'	3553	67°52.6'	2973	94°37.2'	2953	107°44.1'	3019
8	42°06.0'	3368	14°25.8'	3557	68°22.8'	2971	95°07.5'	2951	108°14.0'	3016
9	41°38.3'	3365	13°59.3'	3562	68°53.1'	2968	95°38.0'	2948	108°44.0'	3014
10	41°10.7'	3363	13°32.9'	3569	69°23.4'	2965	96°08.4'	2945	109°14.0'	3011
11	40°43.0'	3360	13°06.5'	3576	69°53.7'	2962	96°38.9'	2942	109°44.0'	3009
12	40°15.3'	3358	12°40.2'	3584	70°24.1'	2959	97°09.3'	2939	110°14.0'	3006
13	39°47.6'	3355	12°13.9'	3593	70°54.4'	2956	97°39.8'	2936	110°44.0'	3004
14	39°19.9'	3353	11°47.7'	3604	71°24.8'	2953	98°10.3'	2933	111°14.1'	3001
15	38°52.2'	3350	11°21.5'	3617	71°55.2'	2950	98°40.9'	2930	111°44.1'	2998
16	38°24.5'	3348	10°55.4'	3631	72°25.6'	2947	99°11.4'	2927	112°14.2'	2996
17	37°56.7'	3345	10°29.4'	3648	72°56.0'	2944	99°42.0'	2924	112°44.3'	2993
18	37°28.9'	3343	10°03.5'	3668	73°26.5'	2941	100°12.6'	2921	113°14.4'	2990
19	37°01.1'	3340	9°37.7'	3692	73°57.0'	2938	100°43.2'	2918	113°44.6'	2988
20	36°33.3'	3338	9°12.1'	3719	74°27.5'	2935	101°13.9'	2915	114°14.7'	2985
21	36°05.5'	3335	8°46.6'	3751	74°58.0'	2932	101°44.5'	2912	114°44.9'	2982
22	35°37.7'	3333	8°21.3'	3790	75°28.6'	2929	102°15.2'	2909	115°15.1'	2980
23	35°09.8'	3330	7°56.2'	3836	75°59.1'	2925	102°45.9'	2906	115°45.3'	2977

Thu May 2, 2019 UTC

UTC	-Venus		+Saturn		+Formalhaut		+Jupiter		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	7°31.4'	3891	76°29.7'	2922	35°42.7'	3594	103°16.7'	2902	70°54.8'	3644
1	7°06.9'	3958	77°00.3'	2919	36°08.9'	3575	103°47.4'	2899	71°20.7'	3637
2	6°42.8'	4041	77°31.0'	2916	36°35.3'	3556	104°18.2'	2896	71°46.7'	3630
3	6°19.1'	4143	78°01.6'	2913	37°01.8'	3537	104°49.0'	2893	72°12.7'	3622
4	5°56.0'	4270	78°32.3'	2909	37°28.3'	3520	105°19.8'	2889	72°38.8'	3615
5	-	-	79°03.0'	2906	37°55.0'	3503	105°50.7'	2886	73°04.9'	3608
6	-	-	79°33.8'	2903	38°21.8'	3486	106°21.5'	2883	73°31.0'	3601
7	-	-	80°04.5'	2899	38°48.7'	3470	106°52.4'	2880	73°57.2'	3594
8	-	-	80°35.3'	2896	39°15.7'	3454	107°23.4'	2876	74°23.4'	3587
9	-	-	81°06.1'	2893	39°42.8'	3439	107°54.3'	2873	74°49.7'	3581
10	-	-	81°36.9'	2889	40°09.9'	3424	108°25.3'	2869	75°16.0'	3574
11	-	-	82°07.8'	2886	40°37.2'	3409	108°56.2'	2866	75°42.3'	3568
12	-	-	82°38.6'	2882	41°04.6'	3395	109°27.3'	2863	76°08.7'	3561
13	-	-	83°09.5'	2879	41°32.0'	3382	109°58.3'	2859	76°35.1'	3555
14	-	-	83°40.5'	2876	41°59.6'	3368	110°29.4'	2856	77°01.6'	3549
15	-	-	84°11.4'	2872	42°27.2'	3355	111°00.4'	2852	77°28.1'	3543
16	-	-	84°42.4'	2869	42°54.9'	3342	111°31.6'	2849	77°54.7'	3537
17	-	-	85°13.4'	2865	43°22.7'	3330	112°02.7'	2845	78°21.2'	3531
18	-	-	85°44.4'	2862	43°50.6'	3318	112°33.9'	2842	78°47.8'	3525
19	-	-	86°15.4'	2858	44°18.5'	3306	113°05.0'	2838	79°14.5'	3519
20	-	-	86°46.5'	2855	44°46.5'	3294	113°36.3'	2835	79°41.2'	3514
21	-	-	87°17.6'	2851	45°14.6'	3283	114°07.5'	2831	80°07.9'	3508
22	-	-	87°48.7'	2847	45°42.8'	3272	114°38.8'	2828	80°34.6'	3503
23	-	-	88°19.9'	2844	46°11.1'	3261	115°10.0'	2824	81°01.4'	3497

Fri May 3, 2019 UTC

UTC	+Formalhaut		+Saturn		+Jupiter		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	46°39.4'	3250	88°51.0'	2840	115°41.3'	2821	81°28.2'	3492
1	47°07.8'	3240	89°22.2'	2837	116°12.7'	2817	81°55.1'	3487
2	47°36.2'	3230	89°53.5'	2833	116°44.1'	2814	82°22.0'	3482
3	48°04.7'	3220	90°24.7'	2830	117°15.4'	2810	82°48.9'	3477
4	48°33.3'	3210	90°56.0'	2826	117°46.9'	2807	83°15.8'	3472
5	49°02.0'	3200	91°27.3'	2822	118°18.3'	2803	83°42.8'	3467
6	49°30.7'	3191	91°58.6'	2819	118°49.8'	2799	84°09.8'	3462
7	49°59.5'	3182	92°30.0'	2815	119°21.3'	2796	84°36.9'	3457
8	50°28.3'	3173	93°01.3'	2812	119°52.8'	2792	85°03.9'	3453
9	50°57.2'	3164	93°32.7'	2808	120°24.3'	2789	85°31.0'	3448
10	51°26.2'	3155	94°04.2'	2804	120°55.9'	2785	85°58.1'	3444
11	51°55.2'	3146	94°35.6'	2801	121°27.5'	2781	86°25.3'	3440
12	52°24.3'	3138	95°07.1'	2797	121°59.1'	2778	86°52.5'	3435
13	52°53.4'	3129	95°38.6'	2793	122°30.8'	2774	87°19.7'	3431
14	53°22.6'	3121	96°10.2'	2790	123°02.4'	2770	87°46.9'	3427
15	53°51.8'	3113	96°41.7'	2786	123°34.1'	2767	88°14.1'	3423
16	54°21.1'	3105	97°13.3'	2782	124°05.9'	2763	88°41.4'	3419
17	54°50.5'	3098	97°44.9'	2779	124°37.6'	2760	89°08.7'	3416
18	55°19.9'	3090	98°16.6'	2775	125°09.4'	2756	89°36.1'	3412
19	55°49.3'	3082	98°48.2'	2771	125°41.2'	2752	90°03.4'	3408
20	56°18.8'	3075	99°19.9'	2768	126°13.1'	2749	90°30.8'	3405
21	56°48.4'	3068	99°51.7'	2764	126°44.9'	2745	90°58.2'	3401
22	57°18.0'	3060	100°23.4'	2760	127°16.8'	2741	91°25.6'	3398
23	57°47.7'	3053	100°55.2'	2757	127°48.7'	2738	91°53.0'	3395

Sat May 4, 2019 UTC

UTC	+Venus		+Formalhaut		+Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	16°07.1'	3287	58°17.4'	3046	101°27.0'	2753
1	16°35.2'	3278	58°47.1'	3039	101°58.8'	2749
2	17°03.4'	3269	59°16.9'	3032	102°30.7'	2746
3	17°31.7'	3260	59°46.8'	3026	103°02.6'	2742
4	18°00.0'	3252	60°16.7'	3019	103°34.5'	2738
5	18°28.4'	3244	60°46.6'	3013	104°06.4'	2735
6	18°56.8'	3237	61°16.6'	3006	104°38.4'	2731
7	19°25.3'	3230	61°46.6'	3000	105°10.4'	2727
8	19°53.8'	3223	62°16.7'	2993	105°42.4'	2724
9	20°22.4'	3216	62°46.8'	2987	106°14.4'	2720
10	20°51.0'	3209	63°17.0'	2981	106°46.5'	2717
11	21°19.7'	3203	63°47.2'	2975	107°18.6'	2713
12	21°48.4'	3196	64°17.4'	2969	107°50.7'	2709
13	22°17.1'	3190	64°47.7'	2963	108°22.9'	2706
14	22°45.9'	3184	65°18.0'	2957	108°55.1'	2702
15	23°14.7'	3178	65°48.4'	2952	109°27.3'	2698
16	23°43.6'	3173	66°18.8'	2946	109°59.5'	2695
17	24°12.5'	3167	66°49.3'	2941	110°31.8'	2691
18	24°41.4'	3162	67°19.7'	2935	111°04.1'	2688
19	25°10.4'	3156	67°50.3'	2930	111°36.4'	2684
20	25°39.4'	3151	68°20.8'	2924	112°08.7'	2681
21	26°08.4'	3146	68°51.4'	2919	112°41.1'	2677
22	26°37.5'	3140	69°22.1'	2914	113°13.5'	2673
23	27°06.6'	3135	69°52.7'	2908	113°45.9'	2670

Mon May 6, 2019 UTC

UTC	–Aldebaran		–Mars		–Pollux		–Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	12°07.5'	2668	25°56.5'	2843	56°25.1'	2627	32°47.6'	3094
1	11°35.1'	2673	25°25.3'	2842	55°52.3'	2624	32°18.1'	3106
2	11°02.6'	2679	24°54.1'	2840	55°19.5'	2621	31°48.8'	3120
3	10°30.3'	2686	24°22.9'	2838	54°46.7'	2619	31°19.5'	3134
4	9°57.9'	2695	23°51.7'	2836	54°13.9'	2616	30°50.4'	3149
5	9°25.7'	2707	23°20.5'	2835	53°41.0'	2613	30°21.3'	3165
6	8°53.5'	2722	22°49.2'	2834	53°08.1'	2611	29°52.4'	3182
7	8°21.4'	2740	22°18.0'	2833	52°35.3'	2608	29°23.5'	3201
8	7°49.5'	2764	21°46.7'	2832	52°02.3'	2606	28°54.8'	3221
9	7°17.8'	2793	21°15.5'	2831	51°29.4'	2604	28°26.3'	3242
10	6°46.2'	2832	20°44.2'	2830	50°56.5'	2601	27°57.8'	3264
11	6°15.0'	2882	20°12.9'	2830	50°23.5'	2599	27°29.5'	3288
12	5°44.1'	2949	19°41.7'	2830	49°50.5'	2597	27°01.4'	3314
13	5°13.6'	3041	19°10.4'	2830	49°17.5'	2594	26°33.4'	3341
14	–	–	18°39.1'	2831	48°44.5'	2592	26°05.6'	3370
15	–	–	18°07.8'	2832	48°11.5'	2590	25°38.0'	3402
16	–	–	17°36.6'	2833	47°38.4'	2588	25°10.6'	3435
17	–	–	17°05.3'	2835	47°05.4'	2586	24°43.4'	3471
18	–	–	16°34.1'	2837	46°32.3'	2584	24°16.4'	3510
19	–	–	16°02.9'	2840	45°59.2'	2582	23°49.6'	3552
20	–	–	15°31.7'	2843	45°26.1'	2580	23°23.2'	3597
21	–	–	15°00.5'	2847	44°53.0'	2578	22°57.0'	3645
22	–	–	14°29.4'	2852	44°19.8'	2576	22°31.0'	3697
23	–	–	13°58.2'	2858	43°46.7'	2575	22°05.4'	3753

Tue May 7, 2019 UTC

UTC	–Mars		–Pollux		–Procyon		–Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	13°27.2'	2866	43°13.5'	2573	45°49.7'	2892	78°49.8'	2521
1	12°56.2'	2874	42°40.3'	2572	45°18.8'	2896	78°16.2'	2519
2	12°25.2'	2884	42°07.1'	2570	44°48.0'	2901	77°42.6'	2516
3	11°54.3'	2896	41°33.9'	2569	44°17.3'	2906	77°09.0'	2513
4	11°23.5'	2910	41°00.7'	2567	43°46.5'	2912	76°35.3'	2510
5	10°52.8'	2927	40°27.5'	2566	43°15.9'	2918	76°01.7'	2508
6	10°22.2'	2946	39°54.3'	2565	42°45.2'	2924	75°28.0'	2505
7	9°51.8'	2970	39°21.0'	2564	42°14.6'	2931	74°54.3'	2502
8	9°21.5'	2998	38°47.8'	2563	41°44.1'	2938	74°20.6'	2500
9	8°51.4'	3033	38°14.5'	2562	41°13.5'	2945	73°46.8'	2497
10	8°21.6'	3075	37°41.3'	2561	40°43.1'	2953	73°13.1'	2495
11	7°52.0'	3126	37°08.0'	2560	40°12.7'	2961	72°39.3'	2492
12	7°22.8'	3190	36°34.7'	2560	39°42.4'	2970	72°05.5'	2489
13	6°54.0'	3270	36°01.4'	2559	39°12.1'	2980	71°31.7'	2487
14	6°25.8'	3373	35°28.1'	2559	38°41.9'	2990	70°57.8'	2484
15	–	–	34°54.9'	2558	38°11.7'	3000	70°24.0'	2482
16	–	–	34°21.6'	2558	37°41.6'	3011	69°50.1'	2479
17	–	–	33°48.3'	2558	37°11.7'	3023	69°16.2'	2477
18	–	–	33°15.0'	2559	36°41.7'	3035	68°42.3'	2475
19	–	–	32°41.7'	2559	36°11.9'	3048	68°08.3'	2472
20	–	–	32°08.4'	2559	35°42.2'	3062	67°34.4'	2470
21	–	–	31°35.1'	2560	35°12.5'	3077	67°00.4'	2467
22	–	–	31°01.9'	2561	34°43.0'	3093	66°26.4'	2465
23	–	–	30°28.6'	2562	34°13.6'	3109	65°52.4'	2463

Wed May 8, 2019 UTC

UTC	+Aldebaran		-Pollux		-Regulus		-Procyon		-Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	15°07.2'	2501	29°55.3'	2563	65°18.3'	2460	33°44.2'	3126	119°09.3'	2498
1	15°40.9'	2496	29°22.1'	2565	64°44.3'	2458	33°15.0'	3145	118°35.5'	2495
2	16°14.7'	2490	28°48.8'	2567	64°10.2'	2456	32°45.9'	3164	118°01.8'	2492
3	16°48.5'	2485	28°15.6'	2569	63°36.1'	2453	32°17.0'	3185	117°28.0'	2489
4	17°22.3'	2481	27°42.4'	2571	63°02.0'	2451	31°48.2'	3207	116°54.1'	2487
5	17°56.2'	2476	27°09.2'	2574	62°27.9'	2449	31°19.5'	3230	116°20.3'	2484
6	18°30.1'	2472	26°36.0'	2577	61°53.8'	2447	30°51.0'	3255	115°46.4'	2481
7	19°04.1'	2468	26°02.9'	2580	61°19.6'	2445	30°22.6'	3281	115°12.5'	2479
8	19°38.1'	2464	25°29.8'	2584	60°45.5'	2442	29°54.4'	3308	114°38.6'	2476
9	20°12.1'	2460	24°56.7'	2589	60°11.3'	2440	29°26.4'	3338	114°04.7'	2473
10	20°46.2'	2457	24°23.6'	2593	59°37.1'	2438	28°58.6'	3369	113°30.8'	2471
11	21°20.2'	2453	23°50.6'	2599	59°02.8'	2436	28°31.0'	3402	112°56.8'	2468
12	21°54.3'	2450	23°17.6'	2604	58°28.6'	2434	28°03.6'	3438	112°22.8'	2466
13	22°28.5'	2447	22°44.7'	2611	57°54.3'	2432	27°36.4'	3475	111°48.8'	2463
14	23°02.6'	2443	22°11.8'	2618	57°20.1'	2430	27°09.4'	3515	111°14.8'	2461
15	23°36.8'	2440	21°38.9'	2626	56°45.8'	2428	26°42.7'	3558	110°40.7'	2458
16	24°11.0'	2437	21°06.2'	2635	56°11.5'	2426	26°16.3'	3603	110°06.7'	2456
17	24°45.3'	2434	20°33.5'	2645	55°37.1'	2424	25°50.1'	3652	109°32.6'	2454
18	25°19.5'	2432	20°00.8'	2656	55°02.8'	2422	25°24.2'	3704	108°58.5'	2451
19	25°53.8'	2429	19°28.3'	2668	54°28.5'	2420	24°58.6'	3760	108°24.4'	2449
20	26°28.1'	2426	18°55.8'	2681	53°54.1'	2418	24°33.4'	3819	107°50.2'	2447
21	27°02.4'	2423	18°23.4'	2696	53°19.7'	2416	24°08.5'	3883	107°16.1'	2445
22	27°36.7'	2421	17°51.2'	2712	52°45.3'	2414	23°43.9'	3951	106°41.9'	2442
23	28°11.1'	2418	17°19.1'	2731	52°10.9'	2412	23°19.8'	4024	106°07.7'	2440

Thu May 9, 2019 UTC

UTC	+Sun		+Aldebaran		+Mars		-Pollux		-Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	50°24.4'	2741	28°45.5'	2416	13°17.0'	2738	16°47.1'	2751	51°36.5'	2410
1	50°56.4'	2738	29°19.9'	2413	13°48.9'	2726	16°15.2'	2774	51°02.0'	2409
2	51°28.3'	2736	29°54.3'	2411	14°20.9'	2716	15°43.6'	2800	50°27.6'	2407
3	52°00.3'	2733	30°28.8'	2408	14°53.0'	2706	15°12.1'	2829	49°53.1'	2405
4	52°32.2'	2731	31°03.2'	2406	15°25.2'	2697	14°40.8'	2862	49°18.6'	2403
5	53°04.2'	2729	31°37.7'	2404	15°57.5'	2689	14°09.7'	2899	48°44.1'	2402
6	53°36.2'	2726	32°12.2'	2401	16°29.8'	2681	13°39.0'	2941	48°09.6'	2400
7	54°08.3'	2724	32°46.7'	2399	17°02.1'	2674	13°08.5'	2989	47°35.1'	2398
8	54°40.3'	2722	33°21.2'	2397	17°34.5'	2668	12°38.3'	3043	47°00.5'	2396
9	55°12.4'	2719	33°55.8'	2395	18°07.0'	2662	12°08.6'	3106	46°26.0'	2395
10	55°44.4'	2717	34°30.4'	2393	18°39.5'	2656	11°39.2'	3179	45°51.4'	2393
11	56°16.5'	2715	35°04.9'	2391	19°12.1'	2650	11°10.4'	3264	45°16.8'	2392
12	56°48.6'	2713	35°39.5'	2388	19°44.7'	2645	10°42.1'	3362	44°42.2'	2390
13	57°20.8'	2710	36°14.2'	2386	20°17.3'	2640	10°14.4'	3478	44°07.6'	2388
14	57°52.9'	2708	36°48.8'	2384	20°50.0'	2636	–	–	43°33.0'	2387
15	58°25.1'	2706	37°23.4'	2382	21°22.7'	2631	–	–	42°58.4'	2385
16	58°57.3'	2704	37°58.1'	2380	21°55.4'	2627	–	–	42°23.7'	2384
17	59°29.4'	2702	38°32.8'	2378	22°28.2'	2623	–	–	41°49.1'	2382
18	60°01.7'	2700	39°07.5'	2376	23°01.0'	2619	–	–	41°14.4'	2381
19	60°33.9'	2698	39°42.2'	2375	23°33.8'	2615	–	–	40°39.7'	2379
20	61°06.1'	2696	40°16.9'	2373	24°06.6'	2612	–	–	40°05.0'	2378
21	61°38.4'	2694	40°51.7'	2371	24°39.5'	2608	–	–	39°30.3'	2377
22	62°10.6'	2692	41°26.4'	2369	25°12.4'	2605	–	–	38°55.6'	2375
23	62°42.9'	2690	42°01.2'	2367	25°45.4'	2602	–	–	38°20.9'	2374

Fri May 10, 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	63°15.2'	2688	37°46.2'	2373	42°36.0'	2365	26°18.3'	2599	28°11.3'	3028
1	63°47.5'	2686	37°11.4'	2372	43°10.8'	2364	26°51.3'	2596	28°41.2'	3002
2	64°19.9'	2684	36°36.7'	2370	43°45.6'	2362	27°24.3'	2593	29°11.3'	2977
3	64°52.2'	2682	36°01.9'	2369	44°20.5'	2360	27°57.4'	2590	29°41.5'	2954
4	65°24.6'	2680	35°27.1'	2368	44°55.3'	2358	28°30.4'	2587	30°11.9'	2931
5	65°56.9'	2678	34°52.3'	2367	45°30.2'	2357	29°03.5'	2584	30°42.4'	2910
6	66°29.3'	2676	34°17.6'	2366	46°05.0'	2355	29°36.6'	2582	31°13.1'	2890
7	67°01.7'	2675	33°42.8'	2365	46°39.9'	2353	30°09.7'	2579	31°44.0'	2871
8	67°34.1'	2673	33°08.0'	2364	47°14.8'	2351	30°42.8'	2577	32°15.0'	2853
9	68°06.6'	2671	32°33.1'	2363	47°49.7'	2350	31°16.0'	2574	32°46.1'	2835
10	68°39.0'	2669	31°58.3'	2362	48°24.7'	2348	31°49.1'	2572	33°17.3'	2819
11	69°11.4'	2667	31°23.5'	2361	48°59.6'	2347	32°22.3'	2570	33°48.7'	2803
12	69°43.9'	2666	30°48.7'	2360	49°34.6'	2345	32°55.5'	2567	34°20.1'	2788
13	70°16.4'	2664	30°13.8'	2360	50°09.5'	2343	33°28.7'	2565	34°51.7'	2773
14	70°48.9'	2662	29°39.0'	2359	50°44.5'	2342	34°02.0'	2563	35°23.4'	2760
15	71°21.4'	2660	29°04.1'	2358	51°19.5'	2340	34°35.2'	2561	35°55.2'	2746
16	71°53.9'	2659	28°29.2'	2358	51°54.5'	2339	35°08.5'	2559	36°27.0'	2734
17	72°26.4'	2657	27°54.4'	2357	52°29.5'	2337	35°41.8'	2557	36°59.0'	2722
18	72°59.0'	2655	27°19.5'	2357	53°04.5'	2336	36°15.1'	2555	37°31.1'	2710
19	73°31.5'	2654	26°44.6'	2357	53°39.6'	2334	36°48.4'	2553	38°03.2'	2699
20	74°04.1'	2652	26°09.8'	2356	54°14.6'	2333	37°21.7'	2551	38°35.5'	2688
21	74°36.7'	2651	25°34.9'	2356	54°49.7'	2331	37°55.1'	2549	39°07.8'	2678
22	75°09.3'	2649	25°00.0'	2356	55°24.8'	2330	38°28.5'	2547	39°40.2'	2668
23	75°41.9'	2647	24°25.1'	2356	55°59.9'	2328	39°01.8'	2545	40°12.6'	2658

Sat May 11, 2019 UTC

UTC	+Sun		-Regulus		+Pollux		+Aldebaran		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	76°14.5'	2646	23°50.3'	2356	13°46.7'	2818	56°35.0'	2327	39°35.2'	2543
1	76°47.1'	2644	23°15.4'	2357	14°18.1'	2779	57°10.1'	2326	40°08.6'	2541
2	77°19.7'	2643	22°40.5'	2357	14°49.7'	2743	57°45.2'	2324	40°42.1'	2539
3	77°52.4'	2641	22°05.7'	2358	15°21.6'	2711	58°20.3'	2323	41°15.5'	2538
4	78°25.0'	2640	21°30.8'	2359	15°53.8'	2683	58°55.5'	2321	41°48.9'	2536
5	78°57.7'	2638	20°55.9'	2360	16°26.1'	2657	59°30.7'	2320	42°22.4'	2534
6	79°30.4'	2637	20°21.1'	2361	16°58.7'	2634	60°05.8'	2319	42°55.9'	2533
7	80°03.1'	2636	19°46.3'	2362	17°31.4'	2612	60°41.0'	2317	43°29.4'	2531
8	80°35.8'	2634	19°11.4'	2364	18°04.3'	2593	61°16.2'	2316	44°02.9'	2529
9	81°08.5'	2633	18°36.6'	2366	18°37.3'	2575	61°51.4'	2315	44°36.4'	2528
10	81°41.2'	2631	18°01.8'	2369	19°10.5'	2558	62°26.6'	2314	45°09.9'	2526
11	82°14.0'	2630	17°27.0'	2371	19°43.8'	2543	63°01.8'	2312	45°43.4'	2525
12	82°46.7'	2629	16°52.3'	2375	20°17.2'	2529	63°37.0'	2311	46°17.0'	2523
13	83°19.5'	2627	16°17.6'	2378	20°50.7'	2517	64°12.3'	2310	46°50.6'	2522
14	83°52.2'	2626	15°42.9'	2383	21°24.3'	2505	64°47.5'	2309	47°24.1'	2520
15	84°25.0'	2625	15°08.2'	2388	21°58.0'	2494	65°22.8'	2307	47°57.7'	2519
16	84°57.8'	2623	14°33.6'	2393	22°31.8'	2483	65°58.1'	2306	48°31.3'	2517
17	85°30.6'	2622	13°59.0'	2400	23°05.7'	2474	66°33.4'	2305	49°04.9'	2516
18	86°03.4'	2621	13°24.5'	2408	23°39.6'	2464	67°08.6'	2304	49°38.5'	2514
19	86°36.2'	2619	12°50.0'	2417	24°13.6'	2456	67°43.9'	2303	50°12.2'	2513
20	87°09.0'	2618	12°15.6'	2427	24°47.7'	2448	68°19.3'	2301	50°45.8'	2512
21	87°41.9'	2617	11°41.3'	2440	25°21.8'	2441	68°54.6'	2300	51°19.5'	2510
22	88°14.7'	2616	11°07.1'	2455	25°56.1'	2434	69°29.9'	2299	51°53.1'	2509
23	88°47.6'	2615	10°33.0'	2472	26°30.3'	2427	70°05.2'	2298	52°26.8'	2508

Sun May 12, 2019 UTC

UTC	+Sun		-Regulus		+Pollux		-Spica		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	89°20.4'	2613	9°59.0'	2493	27°04.6'	2421	63°55.2'	2336	53°00.5'	2506
1	89°53.3'	2612	9°25.2'	2519	27°39.0'	2415	63°20.1'	2335	53°34.2'	2505
2	90°26.2'	2611	8°51.6'	2550	28°13.4'	2409	62°45.1'	2334	54°07.9'	2504
3	90°59.1'	2610	8°18.3'	2588	28°47.9'	2404	62°10.0'	2334	54°41.6'	2503
4	91°32.0'	2609	7°45.2'	2636	29°22.4'	2399	61°35.0'	2333	55°15.3'	2502
5	92°04.9'	2608	7°12.5'	2696	29°56.9'	2394	60°59.9'	2333	55°49.0'	2500
6	92°37.8'	2607	6°40.3'	2774	30°31.5'	2389	60°24.9'	2332	56°22.8'	2499
7	93°10.7'	2606	6°08.6'	2877	31°06.1'	2385	59°49.8'	2332	56°56.5'	2498
8	93°43.6'	2605	–	–	31°40.7'	2381	59°14.7'	2332	57°30.3'	2497
9	94°16.6'	2604	–	–	32°15.4'	2377	58°39.7'	2331	58°04.0'	2496
10	94°49.5'	2603	–	–	32°50.1'	2373	58°04.6'	2331	58°37.8'	2495
11	95°22.5'	2602	–	–	33°24.9'	2369	57°29.5'	2331	59°11.6'	2494
12	95°55.4'	2601	–	–	33°59.6'	2366	56°54.4'	2331	59°45.4'	2493
13	96°28.4'	2600	–	–	34°34.4'	2362	56°19.3'	2330	60°19.2'	2492
14	97°01.4'	2599	–	–	35°09.3'	2359	55°44.2'	2330	60°53.0'	2491
15	97°34.3'	2598	–	–	35°44.1'	2356	55°09.2'	2330	61°26.8'	2490
16	98°07.3'	2597	–	–	36°19.0'	2353	54°34.1'	2330	62°00.6'	2489
17	98°40.3'	2596	–	–	36°53.9'	2350	53°59.0'	2330	62°34.4'	2488
18	99°13.3'	2596	–	–	37°28.8'	2348	53°23.9'	2330	63°08.3'	2487
19	99°46.3'	2595	–	–	38°03.8'	2345	52°48.8'	2330	63°42.1'	2486
20	100°19.3'	2594	–	–	38°38.7'	2342	52°13.7'	2330	64°16.0'	2485
21	100°52.4'	2593	–	–	39°13.7'	2340	51°38.6'	2330	64°49.8'	2484
22	101°25.4'	2592	–	–	39°48.7'	2338	51°03.6'	2331	65°23.7'	2483
23	101°58.4'	2592	–	–	40°23.7'	2335	50°28.5'	2331	65°57.5'	2482

Mon May 13, 2019 UTC

UTC	+Sun		+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	102°31.5'	2591	40°58.8'	2333	49°53.4'	2331	42°49.0'	2687	67°39.0'	2430
1	103°04.5'	2590	41°33.9'	2331	49°18.3'	2332	43°21.4'	2678	68°13.3'	2428
2	103°37.5'	2590	42°08.9'	2329	48°43.2'	2332	43°53.7'	2668	68°47.6'	2426
3	104°10.6'	2589	42°44.0'	2327	48°08.2'	2332	44°26.2'	2660	69°22.0'	2424
4	104°43.7'	2588	43°19.1'	2325	47°33.1'	2333	44°58.7'	2651	69°56.3'	2423
5	105°16.7'	2588	43°54.3'	2324	46°58.0'	2334	45°31.3'	2643	70°30.6'	2421
6	105°49.8'	2587	44°29.4'	2322	46°23.0'	2334	46°04.0'	2635	71°05.0'	2419
7	106°22.9'	2587	45°04.5'	2320	45°47.9'	2335	46°36.7'	2627	71°39.4'	2418
8	106°55.9'	2586	45°39.7'	2319	45°12.9'	2336	47°09.4'	2620	72°13.7'	2416
9	107°29.0'	2586	46°14.9'	2317	44°37.8'	2337	47°42.3'	2613	72°48.1'	2415
10	108°02.1'	2585	46°50.1'	2316	44°02.8'	2338	48°15.1'	2606	73°22.6'	2413
11	108°35.2'	2585	47°25.3'	2314	43°27.8'	2339	48°48.1'	2599	73°57.0'	2412
12	109°08.3'	2584	48°00.5'	2313	42°52.8'	2340	49°21.0'	2593	74°31.4'	2411
13	109°41.4'	2584	48°35.7'	2312	42°17.8'	2342	49°54.1'	2587	75°05.8'	2410
14	110°14.5'	2583	49°11.0'	2310	41°42.8'	2343	50°27.1'	2581	75°40.3'	2408
15	110°47.6'	2583	49°46.2'	2309	41°07.8'	2344	51°00.3'	2575	76°14.8'	2407
16	111°20.7'	2583	50°21.5'	2308	40°32.8'	2346	51°33.4'	2570	76°49.2'	2406
17	111°53.8'	2582	50°56.7'	2307	39°57.9'	2348	52°06.6'	2565	77°23.7'	2405
18	112°26.9'	2582	51°32.0'	2306	39°22.9'	2349	52°39.9'	2560	77°58.2'	2404
19	112°60.0'	2582	52°07.3'	2305	38°48.0'	2351	53°13.1'	2555	78°32.7'	2403
20	113°33.1'	2582	52°42.6'	2304	38°13.1'	2354	53°46.5'	2550	79°07.2'	2403
21	114°06.2'	2581	53°17.9'	2303	37°38.2'	2356	54°19.8'	2546	79°41.7'	2402
22	114°39.3'	2581	53°53.2'	2302	37°03.3'	2358	54°53.2'	2541	80°16.2'	2401
23	115°12.4'	2581	54°28.5'	2302	36°28.4'	2361	55°26.6'	2537	80°50.7'	2400

Tue May 14, 2019 UTC

UTC	+Sun		+Regulus		-Spica		+Pollux		+Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	115°45.5'	2581	19°04.2'	2312	35°53.6'	2363	55°03.8'	2301	56°00.1'	2533
1	116°18.7'	2581	19°39.5'	2309	35°18.8'	2366	55°39.1'	2300	56°33.6'	2529
2	116°51.8'	2581	20°14.7'	2306	34°44.0'	2369	56°14.5'	2299	57°07.1'	2526
3	117°24.9'	2581	20°50.0'	2304	34°09.2'	2372	56°49.8'	2299	57°40.6'	2522
4	117°58.0'	2581	21°25.3'	2301	33°34.5'	2376	57°25.1'	2298	58°14.2'	2519
5	118°31.1'	2581	22°00.6'	2299	32°59.7'	2379	58°00.5'	2298	58°47.8'	2515
6	119°04.2'	2581	22°36.0'	2298	32°25.0'	2383	58°35.8'	2297	59°21.4'	2512
7	119°37.4'	2581	23°11.3'	2296	31°50.4'	2387	59°11.2'	2297	59°55.1'	2509
8	120°10.5'	2581	23°46.7'	2294	31°15.8'	2392	59°46.5'	2296	60°28.7'	2506
9	120°43.6'	2582	24°22.0'	2293	30°41.2'	2396	60°21.9'	2296	61°02.4'	2504
10	121°16.7'	2582	24°57.4'	2292	30°06.6'	2401	60°57.3'	2296	61°36.1'	2501
11	121°49.8'	2582	25°32.8'	2290	29°32.1'	2407	61°32.6'	2295	62°09.9'	2498
12	122°22.9'	2582	26°08.2'	2289	28°57.6'	2412	62°08.0'	2295	62°43.6'	2496
13	122°56.0'	2583	26°43.7'	2288	28°23.2'	2418	62°43.4'	2295	63°17.4'	2494
14	123°29.1'	2583	27°19.1'	2287	27°48.8'	2425	63°18.7'	2295	63°51.2'	2492
15	124°02.2'	2583	27°54.5'	2287	27°14.5'	2432	63°54.1'	2295	64°25.0'	2490
16	124°35.3'	2584	28°30.0'	2286	26°40.2'	2439	64°29.5'	2295	64°58.8'	2488
17	125°08.4'	2584	29°05.4'	2285	26°06.0'	2447	65°04.9'	2294	65°32.6'	2486
18	125°41.5'	2585	29°40.9'	2285	25°31.8'	2456	65°40.2'	2294	66°06.5'	2484
19	126°14.6'	2585	30°16.3'	2285	24°57.8'	2465	66°15.6'	2295	66°40.3'	2482
20	126°47.7'	2586	30°51.8'	2284	24°23.7'	2474	66°51.0'	2295	67°14.2'	2481
21	127°20.8'	2587	31°27.2'	2284	23°49.8'	2485	67°26.4'	2295	67°48.1'	2479
22	127°53.8'	2587	32°02.7'	2284	23°15.9'	2496	68°01.7'	2295	68°22.0'	2478
23	128°26.9'	2588	32°38.2'	2283	22°42.2'	2508	68°37.1'	2295	68°55.9'	2477

Wed May 15, 2019 UTC

UTC	+Regulus		-Spica		-Antares		+Pollux		-Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	33°13.6'	2283	22°08.5'	2522	67°33.1'	2313	69°12.5'	2295	79°30.6'	2238
1	33°49.1'	2283	21°34.9'	2536	66°57.9'	2314	69°47.8'	2296	78°54.8'	2239
2	34°24.6'	2283	21°01.5'	2551	66°22.6'	2315	70°23.2'	2296	78°19.0'	2239
3	35°00.0'	2283	20°28.1'	2568	65°47.4'	2316	70°58.6'	2296	77°43.1'	2240
4	35°35.5'	2284	19°54.9'	2586	65°12.2'	2317	71°33.9'	2297	77°07.3'	2240
5	36°10.9'	2284	19°21.8'	2606	64°37.0'	2318	72°09.3'	2297	76°31.5'	2241
6	36°46.4'	2284	18°48.9'	2628	64°01.8'	2319	72°44.6'	2298	75°55.7'	2241
7	37°21.9'	2284	18°16.1'	2652	63°26.7'	2320	73°20.0'	2298	75°19.9'	2242
8	37°57.3'	2285	17°43.6'	2679	62°51.5'	2321	73°55.3'	2299	74°44.1'	2243
9	38°32.8'	2285	17°11.2'	2708	62°16.3'	2323	74°30.7'	2299	74°08.3'	2244
10	39°08.2'	2285	16°39.0'	2740	61°41.2'	2324	75°06.0'	2300	73°32.5'	2244
11	39°43.7'	2286	16°07.1'	2775	61°06.1'	2326	75°41.4'	2301	72°56.7'	2245
12	40°19.1'	2287	15°35.4'	2815	60°30.9'	2327	76°16.7'	2301	72°20.9'	2246
13	40°54.6'	2287	15°04.0'	2859	59°55.8'	2329	76°52.0'	2302	71°45.1'	2247
14	41°30.0'	2288	14°33.0'	2909	59°20.7'	2330	77°27.3'	2303	71°09.4'	2248
15	42°05.4'	2288	14°02.3'	2965	58°45.6'	2332	78°02.6'	2304	70°33.6'	2249
16	42°40.9'	2289	13°32.0'	3028	58°10.6'	2334	78°37.9'	2305	69°57.8'	2250
17	43°16.3'	2290	13°02.1'	3099	57°35.5'	2335	79°13.2'	2305	69°22.1'	2251
18	43°51.7'	2291	12°32.7'	3181	57°00.5'	2337	79°48.5'	2306	68°46.4'	2252
19	44°27.1'	2292	12°03.8'	3274	56°25.4'	2339	80°23.8'	2307	68°10.6'	2253
20	45°02.5'	2293	11°35.6'	3381	55°50.4'	2341	80°59.0'	2308	67°34.9'	2254
21	45°37.9'	2294	11°08.1'	3506	55°15.4'	2343	81°34.3'	2310	66°59.2'	2255
22	46°13.3'	2295	-	-	54°40.4'	2345	82°09.6'	2311	66°23.5'	2256
23	46°48.6'	2296	-	-	54°05.5'	2347	82°44.8'	2312	65°47.8'	2258

Thu May 16, 2019 UTC

UTC	+Regulus		-Antares		-Jupiter		+Pollux		-Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	47°24.0'	2297	53°30.5'	2350	65°12.2'	2259	83°20.0'	2313	92°55.6'	2279
1	47°59.4'	2298	52°55.6'	2352	64°36.5'	2260	83°55.3'	2314	92°20.1'	2280
2	48°34.7'	2299	52°20.7'	2354	64°00.8'	2262	84°30.5'	2316	91°44.6'	2282
3	49°10.1'	2300	51°45.8'	2357	63°25.2'	2263	85°05.7'	2317	91°09.2'	2283
4	49°45.4'	2302	51°10.9'	2359	62°49.6'	2264	85°40.9'	2318	90°33.7'	2285
5	50°20.7'	2303	50°36.1'	2362	62°13.9'	2266	86°16.1'	2320	89°58.2'	2286
6	50°56.0'	2304	50°01.2'	2364	61°38.3'	2267	86°51.2'	2321	89°22.8'	2287
7	51°31.3'	2306	49°26.4'	2367	61°02.7'	2269	87°26.4'	2323	88°47.4'	2289
8	52°06.6'	2307	48°51.6'	2370	60°27.1'	2270	88°01.5'	2324	88°11.9'	2291
9	52°41.9'	2308	48°16.9'	2373	59°51.6'	2272	88°36.7'	2326	87°36.5'	2292
10	53°17.1'	2310	47°42.1'	2376	59°16.0'	2274	89°11.8'	2328	87°01.1'	2294
11	53°52.4'	2312	47°07.4'	2379	58°40.5'	2275	89°46.9'	2329	86°25.8'	2295
12	54°27.6'	2313	46°32.7'	2382	58°04.9'	2277	90°22.0'	2331	85°50.4'	2297
13	55°02.8'	2315	45°58.1'	2386	57°29.4'	2279	90°57.1'	2333	85°15.0'	2299
14	55°38.0'	2317	45°23.4'	2389	56°53.9'	2281	91°32.1'	2335	84°39.7'	2301
15	56°13.2'	2318	44°48.8'	2393	56°18.4'	2282	92°07.2'	2336	84°04.4'	2302
16	56°48.4'	2320	44°14.2'	2396	55°43.0'	2284	92°42.2'	2338	83°29.1'	2304
17	57°23.6'	2322	43°39.7'	2400	55°07.5'	2286	93°17.2'	2340	82°53.8'	2306
18	57°58.7'	2324	43°05.1'	2404	54°32.1'	2288	93°52.2'	2342	82°18.5'	2308
19	58°33.9'	2326	42°30.6'	2408	53°56.6'	2290	94°27.2'	2344	81°43.2'	2310
20	59°09.0'	2328	41°56.2'	2412	53°21.2'	2292	95°02.2'	2346	81°08.0'	2312
21	59°44.1'	2330	41°21.7'	2416	52°45.8'	2294	95°37.2'	2348	80°32.7'	2314
22	60°19.2'	2332	40°47.3'	2420	52°10.4'	2296	96°12.1'	2351	79°57.5'	2316
23	60°54.3'	2334	40°13.0'	2425	51°35.1'	2299	96°47.0'	2353	79°22.3'	2318

Fri May 17, 2019 UTC

UTC	-Antares		-Jupiter		+Regulus		-Saturn		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	39°38.6'	2429	50°59.7'	2301	61°29.3'	2336	78°47.1'	2321	97°21.9'	2355
1	39°04.3'	2434	50°24.4'	2303	62°04.4'	2338	78°12.0'	2323	97°56.8'	2357
2	38°30.1'	2439	49°49.1'	2305	62°39.4'	2340	77°36.8'	2325	98°31.7'	2360
3	37°55.9'	2444	49°13.8'	2308	63°14.4'	2342	77°01.7'	2327	99°06.5'	2362
4	37°21.7'	2450	48°38.6'	2310	63°49.4'	2345	76°26.6'	2330	99°41.3'	2364
5	36°47.6'	2455	48°03.3'	2312	64°24.4'	2347	75°51.5'	2332	100°16.2'	2367
6	36°13.5'	2461	47°28.1'	2315	64°59.3'	2349	75°16.4'	2334	100°50.9'	2369
7	35°39.4'	2466	46°52.9'	2317	65°34.3'	2352	74°41.4'	2337	101°25.7'	2372
8	35°05.4'	2472	46°17.7'	2320	66°09.2'	2354	74°06.3'	2339	102°00.5'	2375
9	34°31.5'	2479	45°42.5'	2322	66°44.1'	2356	73°31.3'	2342	102°35.2'	2377
10	33°57.6'	2485	45°07.3'	2325	67°18.9'	2359	72°56.3'	2344	103°09.9'	2380
11	33°23.7'	2492	44°32.2'	2327	67°53.8'	2361	72°21.4'	2347	103°44.6'	2383
12	32°49.9'	2499	43°57.1'	2330	68°28.6'	2364	71°46.4'	2349	104°19.3'	2385
13	32°16.2'	2506	43°22.0'	2333	69°03.4'	2367	71°11.5'	2352	104°53.9'	2388
14	31°42.5'	2514	42°47.0'	2336	69°38.2'	2369	70°36.6'	2355	105°28.5'	2391
15	31°08.8'	2522	42°11.9'	2338	70°13.0'	2372	70°01.7'	2357	106°03.1'	2394
16	30°35.3'	2530	41°36.9'	2341	70°47.8'	2375	69°26.8'	2360	106°37.7'	2397
17	30°01.7'	2538	41°01.9'	2344	71°22.5'	2378	68°52.0'	2363	107°12.2'	2400
18	29°28.3'	2547	40°26.9'	2347	71°57.2'	2380	68°17.2'	2366	107°46.8'	2403
19	28°54.9'	2557	39°52.0'	2350	72°31.9'	2383	67°42.4'	2369	108°21.3'	2406
20	28°21.6'	2566	39°17.0'	2353	73°06.5'	2386	67°07.6'	2372	108°55.8'	2409
21	27°48.4'	2577	38°42.1'	2356	73°41.2'	2389	66°32.8'	2374	109°30.2'	2412
22	27°15.2'	2587	38°07.3'	2359	74°15.8'	2392	65°58.1'	2377	110°04.6'	2415
23	26°42.2'	2598	37°32.4'	2362	74°50.4'	2395	65°23.4'	2380	110°39.0'	2419

Sat May 18, 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	36°57.6′	2365	22°22.4′	2631	26°09.2′	2610	64°48.7′	2383	75°24.9′	2398
1	36°22.8′	2368	22°55.1′	2623	25°36.3′	2623	64°14.0′	2387	75°59.5′	2401
2	35°48.0′	2372	23°27.9′	2616	25°03.5′	2636	63°39.4′	2390	76°34.0′	2404
3	35°13.2′	2375	24°00.8′	2609	24°30.8′	2650	63°04.8′	2393	77°08.5′	2407
4	34°38.5′	2378	24°33.7′	2604	23°58.2′	2664	62°30.2′	2396	77°43.0′	2411
5	34°03.8′	2382	25°06.6′	2598	23°25.7′	2680	61°55.7′	2399	78°17.4′	2414
6	33°29.2′	2385	25°39.6′	2594	22°53.3′	2696	61°21.1′	2402	78°51.8′	2417
7	32°54.5′	2389	26°12.6′	2590	22°21.1′	2714	60°46.6′	2406	79°26.2′	2420
8	32°19.9′	2392	26°45.7′	2586	21°49.0′	2733	60°12.1′	2409	80°00.6′	2424
9	31°45.3′	2396	27°18.7′	2583	21°17.0′	2753	59°37.7′	2412	80°34.9′	2427
10	31°10.7′	2399	27°51.8′	2581	20°45.2′	2774	59°03.3′	2416	81°09.2′	2430
11	30°36.2′	2403	28°25.0′	2579	20°13.5′	2797	58°28.9′	2419	81°43.5′	2434
12	30°01.7′	2406	28°58.1′	2577	19°42.0′	2821	57°54.5′	2423	82°17.8′	2437
13	29°27.2′	2410	29°31.2′	2575	19°10.6′	2848	57°20.1′	2426	82°52.0′	2441
14	28°52.8′	2414	30°04.4′	2574	18°39.5′	2876	56°45.8′	2430	83°26.2′	2444
15	28°18.4′	2418	30°37.6′	2573	18°08.5′	2907	56°11.5′	2433	84°00.4′	2448
16	27°44.0′	2422	31°10.8′	2572	17°37.8′	2941	55°37.3′	2437	84°34.5′	2451
17	27°09.6′	2425	31°43.9′	2572	17°07.3′	2978	55°03.0′	2440	85°08.7′	2455
18	26°35.3′	2429	32°17.1′	2572	16°37.1′	3018	54°28.8′	2444	85°42.8′	2459
19	26°01.0′	2433	32°50.3′	2572	16°07.2′	3062	53°54.6′	2448	86°16.8′	2462
20	25°26.7′	2438	33°23.5′	2572	15°37.5′	3110	53°20.5′	2451	86°50.9′	2466
21	24°52.5′	2442	33°56.7′	2573	15°08.2′	3163	52°46.4′	2455	87°24.9′	2470
22	24°18.3′	2446	34°29.9′	2574	14°39.2′	3222	52°12.3′	2459	87°58.8′	2473
23	23°44.1′	2450	35°03.0′	2574	14°10.7′	3288	51°38.2′	2462	88°32.8′	2477

Sun May 19, 2019 UTC

UTC	−Jupiter		+Spica		−Saturn		−Antares		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	23°10.0′	2454	35°36.2′	2575	51°04.2′	2466	13°42.5′	3361	89°06.7′	2481
1	22°35.9′	2459	36°09.4′	2577	50°30.2′	2470	13°14.9′	3443	89°40.6′	2485
2	22°01.9′	2463	36°42.5′	2578	49°56.2′	2474	12°47.7′	3535	90°14.4′	2489
3	21°27.8′	2468	37°15.6′	2579	49°22.3′	2478	12°21.1′	3639	90°48.3′	2493
4	20°53.8′	2472	37°48.8′	2581	48°48.3′	2482	11°55.2′	3757	91°22.1′	2497
5	20°19.9′	2477	38°21.9′	2583	48°14.5′	2486	11°29.9′	3892	91°55.8′	2501
6	19°46.0′	2482	38°55.0′	2585	47°40.6′	2490	–	–	92°29.6′	2504
7	19°12.1′	2487	39°28.1′	2587	47°06.8′	2494	–	–	93°03.3′	2508
8	18°38.2′	2492	40°01.2′	2589	46°33.0′	2498	–	–	93°37.0′	2513
9	18°04.4′	2497	40°34.2′	2591	45°59.2′	2502	–	–	94°10.6′	2517
10	17°30.7′	2502	41°07.3′	2593	45°25.5′	2506	–	–	94°44.2′	2521
11	16°57.0′	2508	41°40.3′	2596	44°51.8′	2510	–	–	95°17.8′	2525
12	16°23.3′	2513	42°13.3′	2598	44°18.1′	2514	–	–	95°51.3′	2529
13	15°49.6′	2519	42°46.3′	2601	43°44.5′	2518	–	–	96°24.9′	2533
14	15°16.1′	2525	43°19.2′	2603	43°10.9′	2522	–	–	96°58.3′	2537
15	14°42.5′	2532	43°52.2′	2606	42°37.3′	2526	–	–	97°31.8′	2541
16	14°09.0′	2538	44°25.1′	2609	42°03.8′	2530	–	–	98°05.2′	2546
17	13°35.6′	2545	44°58.0′	2612	41°30.3′	2534	–	–	98°38.6′	2550
18	13°02.2′	2552	45°30.9′	2615	40°56.8′	2539	–	–	99°12.0′	2554
19	12°28.8′	2560	46°03.8′	2618	40°23.4′	2543	–	–	99°45.3′	2558
20	11°55.6′	2568	46°36.6′	2621	39°50.0′	2547	–	–	100°18.6′	2563
21	11°22.3′	2577	47°09.4′	2624	39°16.6′	2551	–	–	100°51.8′	2567
22	10°49.2′	2587	47°42.2′	2627	38°43.2′	2556	–	–	101°25.1′	2571
23	10°16.1′	2598	48°15.0′	2630	38°09.9′	2560	–	–	101°58.2′	2576

Mon May 20, 2019 UTC

UTC	−Jupiter		−Saturn		+Spica		−Formalhaut		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	9°43.1′	2609	37°36.7′	2564	48°47.7′	2634	83°08.9′	2782	102°31.4′	2580
1	9°10.2′	2623	37°03.4′	2569	49°20.4′	2637	82°37.3′	2787	103°04.5′	2584
2	8°37.4′	2638	36°30.2′	2573	49°53.1′	2641	82°05.7′	2792	103°37.6′	2589
3	8°04.7′	2655	35°57.0′	2577	50°25.8′	2644	81°34.2′	2797	104°10.7′	2593
4	7°32.2′	2676	35°23.9′	2582	50°58.4′	2648	81°02.6′	2802	104°43.7′	2598
5	6°59.8′	2700	34°50.8′	2586	51°31.0′	2651	80°31.2′	2807	105°16.7′	2602
6	6°27.6′	2731	34°17.7′	2591	52°03.6′	2655	79°59.7′	2812	105°49.6′	2606
7	5°55.6′	2769	33°44.6′	2595	52°36.2′	2658	79°28.3′	2817	106°22.6′	2611
8	5°23.9′	2819	33°11.6′	2599	53°08.7′	2662	78°57.0′	2822	106°55.5′	2615
9	4°52.5′	2886	32°38.7′	2604	53°41.2′	2666	78°25.6′	2827	107°28.3′	2620
10	4°21.6′	2979	32°05.7′	2608	54°13.7′	2670	77°54.3′	2833	108°01.1′	2624
11	–	–	31°32.8′	2613	54°46.1′	2673	77°23.1′	2838	108°33.9′	2629
12	–	–	30°59.9′	2617	55°18.6′	2677	76°51.9′	2844	109°06.7′	2633
13	–	–	30°27.1′	2622	55°51.0′	2681	76°20.7′	2849	109°39.4′	2638
14	–	–	29°54.3′	2626	56°23.3′	2685	75°49.6′	2854	110°12.1′	2642
15	–	–	29°21.5′	2631	56°55.7′	2689	75°18.5′	2860	110°44.7′	2647
16	–	–	28°48.8′	2635	57°28.0′	2693	74°47.4′	2866	111°17.4′	2652
17	–	–	28°16.1′	2640	58°00.2′	2697	74°16.4′	2871	111°49.9′	2656
18	–	–	27°43.4′	2644	58°32.5′	2701	73°45.4′	2877	112°22.5′	2661
19	–	–	27°10.7′	2649	59°04.7′	2705	73°14.5′	2883	112°55.0′	2665
20	–	–	26°38.1′	2653	59°36.9′	2709	72°43.6′	2889	113°27.5′	2670
21	–	–	26°05.6′	2658	60°09.1′	2713	72°12.7′	2895	113°59.9′	2674
22	–	–	25°33.0′	2662	60°41.2′	2717	71°41.9′	2901	114°32.3′	2679
23	–	–	25°00.5′	2667	61°13.3′	2721	71°11.2′	2907	115°04.7′	2684

Tue May 21, 2019 UTC

UTC	−Saturn		+Jupiter		+Antares		+Spica		−Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	24°28.1′	2671	4°00.6′	3011	17°01.1′	3184	61°45.3′	2725	70°40.4′	2913
1	23°55.6′	2676	4°30.6′	2937	17°29.9′	3159	62°17.4′	2729	70°09.8′	2919
2	23°23.2′	2680	5°01.1′	2885	17°58.9′	3137	62°49.4′	2733	69°39.1′	2925
3	22°50.8′	2685	5°32.0′	2849	18°28.0′	3117	63°21.4′	2737	69°08.5′	2931
4	22°18.5′	2689	6°03.1′	2822	18°57.3′	3099	63°53.3′	2741	68°38.0′	2937
5	21°46.2′	2694	6°34.5′	2802	19°26.7′	3083	64°25.2′	2746	68°07.5′	2944
6	21°13.9′	2699	7°05.9′	2788	19°56.2′	3069	64°57.1′	2750	67°37.0′	2950
7	20°41.7′	2703	7°37.5′	2777	20°25.8′	3055	65°29.0′	2754	67°06.6′	2956
8	20°09.5′	2708	8°09.2′	2769	20°55.5′	3044	66°00.8′	2758	66°36.2′	2963
9	19°37.3′	2712	8°40.9′	2763	21°25.2′	3033	66°32.6′	2762	66°05.9′	2969
10	19°05.2′	2717	9°12.7′	2759	21°55.1′	3023	67°04.4′	2766	65°35.6′	2976
11	18°33.1′	2721	9°44.4′	2756	22°25.0′	3015	67°36.1′	2771	65°05.3′	2983
12	18°01.1′	2726	10°16.2′	2755	22°55.0′	3007	68°07.8′	2775	64°35.1′	2989
13	17°29.0′	2731	10°48.1′	2754	23°25.0′	3000	68°39.5′	2779	64°05.0′	2996
14	16°57.0′	2735	11°19.9′	2754	23°55.0′	2994	69°11.1′	2783	63°34.9′	3003
15	16°25.1′	2740	11°51.7′	2754	24°25.2′	2988	69°42.7′	2787	63°04.9′	3010
16	15°53.1′	2744	12°23.5′	2755	24°55.3′	2984	70°14.3′	2792	62°34.9′	3017
17	15°21.2′	2749	12°55.4′	2756	25°25.5′	2979	70°45.8′	2796	62°04.9′	3024
18	14°49.4′	2753	13°27.2′	2758	25°55.7′	2975	71°17.4′	2800	61°35.0′	3031
19	14°17.6′	2758	13°58.9′	2760	26°26.0′	2972	71°48.8′	2804	61°05.1′	3038
20	13°45.8′	2763	14°30.7′	2762	26°56.2′	2969	72°20.3′	2809	60°35.3′	3045
21	13°14.0′	2767	15°02.5′	2765	27°26.5′	2967	72°51.7′	2813	60°05.6′	3053
22	12°42.3′	2772	15°34.2′	2767	27°56.8′	2965	73°23.1′	2817	59°35.9′	3060
23	12°10.6′	2777	16°06.0′	2770	28°27.1′	2963	73°54.5′	2821	59°06.2′	3068

Wed May 22, 2019 UTC

UTC	−Saturn		+Jupiter		+Antares		+Spica		−Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	11°38.9'	2781	16°37.7'	2773	28°57.4'	2961	74°25.8'	2825	58°36.6'	3075
1	11°07.3'	2786	17°09.3'	2776	29°27.8'	2960	74°57.1'	2829	58°07.0'	3083
2	10°35.7'	2791	17°41.0'	2779	29°58.1'	2959	75°28.4'	2834	57°37.5'	3091
3	10°04.2'	2796	18°12.7'	2782	30°28.5'	2959	75°59.7'	2838	57°08.1'	3098
4	9°32.6'	2801	18°44.3'	2786	30°58.9'	2958	76°30.9'	2842	56°38.7'	3106
5	9°01.2'	2806	19°15.9'	2789	31°29.2'	2958	77°02.1'	2846	56°09.3'	3114
6	8°29.7'	2811	19°47.4'	2792	31°59.6'	2958	77°33.2'	2850	55°40.1'	3122
7	7°58.3'	2817	20°19.0'	2796	32°29.9'	2958	78°04.3'	2854	55°10.8'	3130
8	7°26.9'	2822	20°50.5'	2799	33°00.3'	2959	78°35.4'	2858	54°41.6'	3139
9	6°55.6'	2828	21°22.0'	2803	33°30.7'	2959	79°06.5'	2863	54°12.5'	3147
10	6°24.3'	2835	21°53.5'	2806	34°01.0'	2960	79°37.5'	2867	53°43.4'	3156
11	5°53.1'	2842	22°24.9'	2810	34°31.4'	2961	80°08.5'	2871	53°14.4'	3164
12	5°21.9'	2850	22°56.3'	2813	35°01.7'	2962	80°39.5'	2875	52°45.5'	3173
13	4°50.8'	2860	23°27.7'	2817	35°32.0'	2963	81°10.5'	2879	52°16.6'	3182
14	4°19.7'	2872	23°59.1'	2821	36°02.4'	2964	81°41.4'	2883	51°47.7'	3191
15	3°48.8'	2887	24°30.4'	2824	36°32.7'	2965	82°12.3'	2887	51°19.0'	3200
16	3°17.9'	2909	25°01.7'	2828	37°03.0'	2967	82°43.2'	2891	50°50.2'	3209
17	2°47.2'	2942	25°33.0'	2831	37°33.3'	2968	83°14.0'	2895	50°21.6'	3218
18	2°16.7'	3002	26°04.3'	2835	38°03.6'	2970	83°44.8'	2899	49°53.0'	3228
19	–	–	26°35.5'	2839	38°33.9'	2971	84°15.6'	2903	49°24.4'	3238
20	–	–	27°06.7'	2842	39°04.2'	2973	84°46.3'	2907	48°56.0'	3247
21	–	–	27°37.9'	2846	39°34.4'	2975	85°17.1'	2911	48°27.6'	3257
22	–	–	28°09.1'	2849	40°04.7'	2977	85°47.8'	2914	47°59.2'	3267
23	–	–	28°40.2'	2853	40°34.9'	2979	86°18.4'	2918	47°30.9'	3278

Thu May 23, 2019 UTC

UTC	+Jupiter		+Antares		−Formalhaut		+Spica		+Arcturus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	29°11.3'	2856	41°05.1'	2981	47°02.7'	3288	86°49.1'	2922	87°02.7'	3338
1	29°42.4'	2860	41°35.3'	2983	46°34.6'	3299	87°19.7'	2926	87°30.6'	3341
2	30°13.4'	2864	42°05.5'	2985	46°06.5'	3310	87°50.3'	2930	87°58.4'	3345
3	30°44.5'	2867	42°35.7'	2987	45°38.5'	3321	88°20.8'	2933	88°26.1'	3348
4	31°15.5'	2871	43°05.8'	2989	45°10.6'	3332	88°51.4'	2937	88°53.9'	3352
5	31°46.5'	2874	43°36.0'	2991	44°42.7'	3344	89°21.9'	2941	89°21.6'	3355
6	32°17.4'	2877	44°06.1'	2993	44°15.0'	3356	89°52.4'	2945	89°49.3'	3359
7	32°48.3'	2881	44°36.3'	2995	43°47.3'	3368	90°22.8'	2948	90°17.0'	3363
8	33°19.2'	2884	45°06.4'	2997	43°19.6'	3380	90°53.3'	2952	90°44.7'	3366
9	33°50.1'	2888	45°36.4'	3000	42°52.1'	3392	91°23.7'	2955	91°12.3'	3370
10	34°21.0'	2891	46°06.5'	3002	42°24.6'	3405	91°54.0'	2959	91°39.9'	3374
11	34°51.8'	2894	46°36.6'	3004	41°57.2'	3418	92°24.4'	2963	92°07.5'	3378
12	35°22.6'	2898	47°06.6'	3006	41°29.9'	3432	92°54.7'	2966	92°35.1'	3382
13	35°53.4'	2901	47°36.7'	3009	41°02.7'	3446	93°25.0'	2970	93°02.6'	3385
14	36°24.2'	2904	48°06.7'	3011	40°35.5'	3460	93°55.3'	2973	93°30.1'	3389
15	36°54.9'	2907	48°36.7'	3013	40°08.5'	3474	94°25.6'	2976	93°57.6'	3393
16	37°25.7'	2910	49°06.6'	3015	39°41.5'	3489	94°55.8'	2980	94°25.1'	3397
17	37°56.4'	2914	49°36.6'	3018	39°14.6'	3504	95°26.0'	2983	94°52.6'	3401
18	38°27.0'	2917	50°06.6'	3020	38°47.9'	3520	95°56.2'	2987	95°20.0'	3405
19	38°57.7'	2920	50°36.5'	3022	38°21.2'	3536	96°26.4'	2990	95°47.4'	3409
20	39°28.3'	2923	51°06.4'	3024	37°54.6'	3552	96°56.5'	2993	96°14.7'	3413
21	39°58.9'	2926	51°36.3'	3027	37°28.1'	3570	97°26.6'	2996	96°42.1'	3417
22	40°29.5'	2929	52°06.2'	3029	37°01.8'	3587	97°56.7'	3000	97°09.4'	3422
23	41°00.1'	2932	52°36.1'	3031	36°35.5'	3605	98°26.8'	3003	97°36.7'	3426

Fri May 24, 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	119°26.5′	3343	13°09.5′	2961	41°30.6′	2935	53°05.9′	3033	36°09.3′	3624
1	118°58.7′	3346	13°39.8′	2964	42°01.2′	2937	53°35.8′	3035	35°43.3′	3643
2	118°30.9′	3349	14°10.2′	2966	42°31.7′	2940	54°05.6′	3038	35°17.3′	3663
3	118°03.1′	3352	14°40.5′	2969	43°02.2′	2943	54°35.4′	3040	34°51.5′	3683
4	117°35.4′	3355	15°10.8′	2972	43°32.6′	2946	55°05.2′	3042	34°25.8′	3705
5	117°07.7′	3358	15°41.0′	2974	44°03.1′	2949	55°35.0′	3044	34°00.3′	3727
6	116°40.0′	3361	16°11.3′	2977	44°33.5′	2951	56°04.8′	3046	33°34.8′	3749
7	116°12.3′	3364	16°41.5′	2979	45°03.9′	2954	56°34.5′	3048	33°09.5′	3773
8	115°44.7′	3366	17°11.7′	2982	45°34.3′	2956	57°04.3′	3050	32°44.4′	3797
9	115°17.0′	3369	17°41.9′	2985	46°04.7′	2959	57°34.0′	3052	32°19.3′	3823
10	114°49.4′	3372	18°12.1′	2987	46°35.0′	2962	58°03.7′	3054	31°54.5′	3849
11	114°21.8′	3375	18°42.3′	2990	47°05.4′	2964	58°33.4′	3056	31°29.7′	3876
12	113°54.2′	3377	19°12.4′	2992	47°35.7′	2966	59°03.1′	3058	31°05.1′	3905
13	113°26.7′	3380	19°42.5′	2994	48°06.0′	2969	59°32.7′	3060	30°40.7′	3934
14	112°59.1′	3382	20°12.6′	2997	48°36.3′	2971	60°02.4′	3062	30°16.5′	3965
15	112°31.6′	3385	20°42.7′	2999	49°06.6′	2973	60°32.0′	3064	29°52.4′	3997
16	112°04.0′	3387	21°12.8′	3001	49°36.8′	2976	61°01.7′	3066	29°28.5′	4031
17	111°36.5′	3390	21°42.9′	3003	50°07.1′	2978	61°31.3′	3068	29°04.8′	4066
18	111°09.0′	3392	22°12.9′	3006	50°37.3′	2980	62°00.9′	3069	28°41.3′	4102
19	110°41.6′	3394	22°43.0′	3008	51°07.5′	2982	62°30.5′	3071	28°17.9′	4141
20	110°14.1′	3397	23°13.0′	3010	51°37.7′	2984	63°00.1′	3073	27°54.8′	4181
21	109°46.7′	3399	23°43.0′	3012	52°07.9′	2986	63°29.6′	3075	27°31.9′	4223
22	109°19.2′	3401	24°13.0′	3014	52°38.0′	2988	63°59.2′	3076	27°09.2′	4266
23	108°51.8′	3403	24°42.9′	3016	53°08.2′	2990	64°28.8′	3078	26°46.7′	4313

Sat May 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	108°24.4′	3405	25°12.9′	3018	53°38.3′	2992	64°58.3′	3079	26°24.5′	4361
1	107°57.0′	3407	25°42.9′	3020	54°08.4′	2994	65°27.8′	3081	26°02.5′	4412
2	107°29.6′	3409	26°12.8′	3021	54°38.6′	2996	65°57.3′	3082	25°40.8′	4465
3	107°02.3′	3411	26°42.7′	3023	55°08.7′	2998	66°26.8′	3084	25°19.3′	4522
4	106°34.9′	3413	27°12.6′	3025	55°38.7′	2999	66°56.3′	3085	24°58.1′	4581
5	106°07.6′	3415	27°42.5′	3027	56°08.8′	3001	67°25.8′	3087	24°37.2′	4643
6	105°40.2′	3416	28°12.4′	3028	56°38.9′	3003	67°55.3′	3088	24°16.7′	4709
7	105°12.9′	3418	28°42.3′	3030	57°08.9′	3004	68°24.8′	3089	23°56.4′	4779
8	104°45.6′	3420	29°12.2′	3031	57°39.0′	3006	68°54.2′	3091	23°36.4′	4853
9	104°18.3′	3421	29°42.0′	3033	58°09.0′	3007	69°23.7′	3092	23°16.8′	4931
10	103°51.0′	3423	30°11.9′	3034	58°39.0′	3008	69°53.1′	3093	22°57.5′	5014
11	103°23.7′	3424	30°41.7′	3036	59°09.0′	3010	70°22.5′	3094	22°38.6′	5101
12	102°56.5′	3426	31°11.5′	3037	59°39.0′	3011	70°52.0′	3095	22°20.0′	5194
13	102°29.2′	3427	31°41.3′	3038	60°09.0′	3012	71°21.4′	3096	22°01.9′	5293
14	102°01.9′	3428	32°11.1′	3039	60°39.0′	3014	71°50.8′	3097	21°44.2′	5399
15	101°34.7′	3430	32°40.9′	3041	61°09.0′	3015	72°20.2′	3098	21°26.9′	5511
16	101°07.4′	3431	33°10.7′	3042	61°39.0′	3016	72°49.6′	3099	21°10.0′	5631
17	100°40.2′	3432	33°40.5′	3043	62°08.9′	3017	73°19.0′	3100	20°53.6′	5759
18	100°13.0′	3433	34°10.3′	3044	62°38.9′	3018	73°48.4′	3101	20°37.7′	5896
19	99°45.8′	3434	34°40.1′	3045	63°08.8′	3019	74°17.8′	3102	20°22.2′	6042
20	99°18.6′	3435	35°09.8′	3046	63°38.8′	3020	74°47.1′	3103	20°07.3′	6200
21	98°51.4′	3436	35°39.6′	3047	64°08.7′	3021	75°16.5′	3103	19°52.9′	6369
22	98°24.2′	3437	36°09.3′	3047	64°38.6′	3021	75°45.9′	3104	19°39.0′	6551
23	97°57.0′	3438	36°39.1′	3048	65°08.6′	3022	76°15.2′	3105	19°25.8′	6748

Sun May 26, 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	97°29.8′	3439	37°08.8′	3049	65°38.5′	3023	76°44.6′	3105	75°50.5′	3541
1	97°02.6′	3439	37°38.6′	3049	66°08.4′	3024	77°13.9′	3106	75°23.9′	3542
2	96°35.4′	3440	38°08.3′	3050	66°38.3′	3024	77°43.3′	3106	74°57.4′	3543
3	96°08.2′	3440	38°38.0′	3051	67°08.2′	3025	78°12.6′	3107	74°30.8′	3543
4	95°41.1′	3441	39°07.7′	3051	67°38.1′	3025	78°42.0′	3107	74°04.3′	3544
5	95°13.9′	3441	39°37.5′	3052	68°08.0′	3026	79°11.3′	3107	73°37.8′	3544
6	94°46.7′	3442	40°07.2′	3052	68°37.9′	3026	79°40.6′	3108	73°11.2′	3545
7	94°19.6′	3442	40°36.9′	3052	69°07.8′	3026	80°10.0′	3108	72°44.7′	3545
8	93°52.4′	3443	41°06.6′	3053	69°37.7′	3027	80°39.3′	3108	72°18.2′	3546
9	93°25.3′	3443	41°36.3′	3053	70°07.6′	3027	81°08.7′	3108	71°51.7′	3546
10	92°58.1′	3443	42°06.0′	3053	70°37.5′	3027	81°38.0′	3108	71°25.1′	3546
11	92°31.0′	3443	42°35.7′	3053	71°07.3′	3027	82°07.3′	3108	70°58.6′	3547
12	92°03.8′	3443	43°05.4′	3053	71°37.2′	3027	82°36.6′	3108	70°32.1′	3547
13	91°36.6′	3443	43°35.1′	3053	72°07.1′	3027	83°06.0′	3108	70°05.6′	3547
14	91°09.5′	3443	44°04.8′	3053	72°37.0′	3027	83°35.3′	3108	69°39.1′	3547
15	90°42.3′	3443	44°34.5′	3053	73°06.9′	3027	84°04.6′	3108	69°12.6′	3547
16	90°15.2′	3443	45°04.2′	3053	73°36.8′	3027	84°34.0′	3108	68°46.0′	3547
17	89°48.0′	3443	45°34.0′	3053	74°06.6′	3027	85°03.3′	3108	68°19.5′	3547
18	89°20.9′	3442	46°03.7′	3052	74°36.5′	3026	85°32.6′	3107	67°53.0′	3546
19	88°53.7′	3442	46°33.4′	3052	75°06.4′	3026	86°02.0′	3107	67°26.5′	3546
20	88°26.6′	3442	47°03.1′	3052	75°36.3′	3026	86°31.3′	3107	66°60.0′	3546
21	87°59.4′	3441	47°32.8′	3051	76°06.2′	3025	87°00.7′	3106	66°33.5′	3545
22	87°32.2′	3441	48°02.5′	3051	76°36.1′	3025	87°30.0′	3106	66°06.9′	3545
23	87°05.1′	3440	48°32.2′	3050	77°06.0′	3024	87°59.3′	3105	65°40.4′	3544

Mon May 27, 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	86°37.9′	3440	49°02.0′	3050	77°35.9′	3024	88°28.7′	3105	65°13.9′	3544
1	86°10.7′	3439	49°31.7′	3049	78°05.8′	3023	88°58.1′	3104	64°47.4′	3543
2	85°43.5′	3438	50°01.4′	3049	78°35.7′	3023	89°27.4′	3103	64°20.8′	3543
3	85°16.3′	3437	50°31.2′	3048	79°05.6′	3022	89°56.8′	3103	63°54.3′	3542
4	84°49.1′	3436	51°00.9′	3047	79°35.6′	3021	90°26.1′	3102	63°27.7′	3541
5	84°21.9′	3436	51°30.6′	3046	80°05.5′	3020	90°55.5′	3101	63°01.2′	3540
6	83°54.7′	3435	52°00.4′	3045	80°35.4′	3019	91°24.9′	3100	62°34.6′	3539
7	83°27.5′	3434	52°30.2′	3044	81°05.3′	3018	91°54.3′	3099	62°08.1′	3538
8	83°00.3′	3432	52°59.9′	3043	81°35.3′	3017	92°23.7′	3098	61°41.5′	3537
9	82°33.1′	3431	53°29.7′	3042	82°05.2′	3016	92°53.1′	3097	61°14.9′	3536
10	82°05.9′	3430	53°59.5′	3041	82°35.2′	3015	93°22.5′	3096	60°48.4′	3535
11	81°38.6′	3429	54°29.3′	3040	83°05.2′	3014	93°51.9′	3095	60°21.8′	3534
12	81°11.4′	3428	54°59.1′	3039	83°35.1′	3013	94°21.3′	3094	59°55.2′	3533
13	80°44.1′	3426	55°28.9′	3038	84°05.1′	3012	94°50.7′	3093	59°28.6′	3531
14	80°16.9′	3425	55°58.7′	3036	84°35.1′	3010	95°20.2′	3092	59°02.0′	3530
15	79°49.6′	3423	56°28.5′	3035	85°05.1′	3009	95°49.6′	3090	58°35.3′	3528
16	79°22.3′	3422	56°58.3′	3033	85°35.1′	3008	96°19.1′	3089	58°08.7′	3527
17	78°55.1′	3420	57°28.2′	3032	86°05.1′	3006	96°48.5′	3088	57°42.1′	3525
18	78°27.8′	3419	57°58.0′	3030	86°35.2′	3005	97°18.0′	3086	57°15.4′	3524
19	78°00.4′	3417	58°27.9′	3029	87°05.2′	3003	97°47.5′	3085	56°48.8′	3522
20	77°33.1′	3415	58°57.8′	3027	87°35.3′	3001	98°17.0′	3083	56°22.1′	3521
21	77°05.8′	3413	59°27.6′	3026	88°05.3′	3000	98°46.5′	3082	55°55.5′	3519
22	76°38.5′	3411	59°57.5′	3024	88°35.4′	2998	99°16.0′	3080	55°28.8′	3517
23	76°11.1′	3410	60°27.4′	3022	89°05.5′	2996	99°45.5′	3079	55°02.1′	3515

Tue May 28, 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	75°43.7′	3408	60°57.4′	3020	54°35.4′	3513	89°35.6′	2995	100°15.0′	3077
1	75°16.4′	3406	61°27.3′	3018	54°08.6′	3511	90°05.7′	2993	100°44.6′	3075
2	74°49.0′	3404	61°57.2′	3016	53°41.9′	3509	90°35.8′	2991	101°14.1′	3073
3	74°21.6′	3401	62°27.2′	3014	53°15.2′	3507	91°05.9′	2989	101°43.7′	3072
4	73°54.2′	3399	62°57.2′	3012	52°48.4′	3505	91°36.1′	2987	102°13.3′	3070
5	73°26.7′	3397	63°27.1′	3010	52°21.6′	3503	92°06.2′	2985	102°42.9′	3068
6	72°59.3′	3395	63°57.1′	3008	51°54.9′	3501	92°36.4′	2983	103°12.5′	3066
7	72°31.8′	3392	64°27.2′	3006	51°28.1′	3498	93°06.6′	2981	103°42.1′	3064
8	72°04.3′	3390	64°57.2′	3004	51°01.2′	3496	93°36.8′	2978	104°11.7′	3062
9	71°36.9′	3388	65°27.2′	3002	50°34.4′	3494	94°07.0′	2976	104°41.4′	3060
10	71°09.4′	3385	65°57.3′	2999	50°07.6′	3491	94°37.3′	2974	105°11.0′	3058
11	70°41.8′	3383	66°27.4′	2997	49°40.7′	3489	95°07.5′	2971	105°40.7′	3056
12	70°14.3′	3380	66°57.5′	2995	49°13.9′	3486	95°37.8′	2969	106°10.4′	3053
13	69°46.7′	3377	67°27.6′	2992	48°47.0′	3484	96°08.1′	2967	106°40.1′	3051
14	69°19.2′	3375	67°57.7′	2990	48°20.1′	3481	96°38.4′	2964	107°09.8′	3049
15	68°51.6′	3372	68°27.8′	2987	47°53.2′	3478	97°08.7′	2962	107°39.5′	3047
16	68°24.0′	3369	68°58.0′	2984	47°26.2′	3476	97°39.1′	2959	108°09.3′	3044
17	67°56.4′	3366	69°28.2′	2982	46°59.3′	3473	98°09.4′	2956	108°39.0′	3042
18	67°28.7′	3363	69°58.4′	2979	46°32.3′	3470	98°39.8′	2954	109°08.8′	3040
19	67°01.1′	3360	70°28.6′	2976	46°05.3′	3467	99°10.2′	2951	109°38.6′	3037
20	66°33.4′	3358	70°58.8′	2974	45°38.3′	3464	99°40.6′	2948	110°08.4′	3035
21	66°05.7′	3355	71°29.1′	2971	45°11.3′	3462	100°11.0′	2946	110°38.3′	3032
22	65°38.0′	3351	71°59.4′	2968	44°44.3′	3459	100°41.5′	2943	111°08.1′	3030
23	65°10.3′	3348	72°29.7′	2965	44°17.2′	3456	101°11.9′	2940	111°38.0′	3027

Wed May 29, 2019 UTC

UTC	−Sun		+Saturn		−Venus		+Formalhaut		+Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	64°42.5′	3345	72°60.0′	2962	43°50.1′	3453	32°07.7′	3791	101°42.4′	2937
1	64°14.7′	3342	73°30.3′	2959	43°23.0′	3449	32°32.7′	3766	102°12.9′	2934
2	63°46.9′	3339	74°00.7′	2956	42°55.9′	3446	32°57.9′	3742	102°43.5′	2931
3	63°19.1′	3335	74°31.0′	2953	42°28.8′	3443	33°23.3′	3718	103°14.0′	2928
4	62°51.3′	3332	75°01.4′	2950	42°01.6′	3440	33°48.8′	3696	103°44.6′	2925
5	62°23.4′	3329	75°31.9′	2947	41°34.4′	3437	34°14.4′	3674	104°15.2′	2922
6	61°55.5′	3325	76°02.3′	2944	41°07.2′	3433	34°40.1′	3652	104°45.8′	2919
7	61°27.6′	3322	76°32.8′	2940	40°40.0′	3430	35°06.0′	3632	105°16.5′	2915
8	60°59.7′	3318	77°03.2′	2937	40°12.8′	3427	35°32.0′	3612	105°47.1′	2912
9	60°31.8′	3315	77°33.8′	2934	39°45.5′	3423	35°58.1′	3593	106°17.8′	2909
10	60°03.8′	3311	78°04.3′	2930	39°18.3′	3420	36°24.4′	3574	106°48.5′	2906
11	59°35.8′	3308	78°34.8′	2927	38°51.0′	3417	36°50.7′	3556	107°19.2′	2902
12	59°07.8′	3304	79°05.4′	2924	38°23.6′	3413	37°17.2′	3538	107°50.0′	2899
13	58°39.8′	3300	79°36.0′	2920	37°56.3′	3410	37°43.7′	3521	108°20.8′	2895
14	58°11.7′	3297	80°06.7′	2917	37°28.9′	3406	38°10.4′	3505	108°51.6′	2892
15	57°43.6′	3293	80°37.3′	2913	37°01.6′	3403	38°37.2′	3489	109°22.4′	2889
16	57°15.5′	3289	81°08.0′	2910	36°34.1′	3399	39°04.1′	3473	109°53.3′	2885
17	56°47.4′	3285	81°38.7′	2906	36°06.7′	3395	39°31.0′	3457	110°24.1′	2881
18	56°19.2′	3281	82°09.4′	2902	35°39.3′	3392	39°58.1′	3443	110°55.0′	2878
19	55°51.0′	3277	82°40.2′	2899	35°11.8′	3388	40°25.3′	3428	111°26.0′	2874
20	55°22.8′	3274	83°11.0′	2895	34°44.3′	3384	40°52.5′	3414	111°56.9′	2871
21	54°54.6′	3270	83°41.8′	2891	34°16.8′	3381	41°19.8′	3400	112°27.9′	2867
22	54°26.3′	3266	84°12.6′	2887	33°49.2′	3377	41°47.3′	3386	112°58.9′	2863
23	53°58.0′	3262	84°43.5′	2884	33°21.6′	3373	42°14.8′	3373	113°29.9′	2859

Thu May 30, 2019 UTC

UTC	-Sun		-Venus		+Formalhaut		+Saturn		+Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	53°29.7'	3258	32°54.0'	3370	42°42.4'	3360	85°14.4'	2880	114°01.0'	2856
1	53°01.4'	3253	32°26.4'	3366	43°10.1'	3347	85°45.3'	2876	114°32.1'	2852
2	52°33.0'	3249	31°58.8'	3362	43°37.8'	3335	86°16.2'	2872	115°03.2'	2848
3	52°04.6'	3245	31°31.1'	3358	44°05.7'	3323	86°47.2'	2868	115°34.4'	2844
4	51°36.2'	3241	31°03.4'	3355	44°33.6'	3311	87°18.2'	2864	116°05.5'	2840
5	51°07.7'	3237	30°35.7'	3351	45°01.6'	3299	87°49.2'	2860	116°36.7'	2836
6	50°39.3'	3233	30°08.0'	3347	45°29.6'	3288	88°20.3'	2856	117°07.9'	2832
7	50°10.8'	3228	29°40.2'	3343	45°57.8'	3276	88°51.3'	2852	117°39.2'	2828
8	49°42.2'	3224	29°12.4'	3340	46°26.0'	3265	89°22.5'	2848	118°10.5'	2824
9	49°13.7'	3220	28°44.6'	3336	46°54.3'	3255	89°53.6'	2844	118°41.8'	2820
10	48°45.1'	3215	28°16.8'	3332	47°22.6'	3244	90°24.8'	2840	119°13.1'	2816
11	48°16.5'	3211	27°48.9'	3329	47°51.1'	3233	90°56.0'	2836	119°44.5'	2812
12	47°47.8'	3207	27°21.1'	3325	48°19.6'	3223	91°27.2'	2831	120°15.9'	2808
13	47°19.2'	3202	26°53.2'	3321	48°48.1'	3213	91°58.5'	2827	120°47.3'	2804
14	46°50.5'	3198	26°25.2'	3318	49°16.8'	3203	92°29.8'	2823	121°18.8'	2800
15	46°21.7'	3193	25°57.3'	3314	49°45.5'	3193	93°01.1'	2819	121°50.3'	2795
16	45°53.0'	3189	25°29.3'	3310	50°14.2'	3184	93°32.4'	2815	122°21.8'	2791
17	45°24.2'	3184	25°01.3'	3307	50°43.1'	3174	94°03.8'	2810	122°53.4'	2787
18	44°55.3'	3180	24°33.3'	3303	51°11.9'	3165	94°35.2'	2806	123°25.0'	2783
19	44°26.5'	3175	24°05.2'	3300	51°40.9'	3155	95°06.7'	2802	123°56.6'	2779
20	43°57.6'	3171	23°37.2'	3297	52°09.9'	3146	95°38.2'	2797	124°28.2'	2774
21	43°28.7'	3166	23°09.1'	3293	52°39.0'	3137	96°09.7'	2793	124°59.9'	2770
22	42°59.8'	3162	22°41.0'	3290	53°08.1'	3128	96°41.2'	2788	125°31.6'	2766
23	42°30.8'	3157	22°12.9'	3287	53°37.3'	3120	97°12.8'	2784	126°03.3'	2761

Fri May 31, 2019 UTC

UTC	-Sun		-Venus		+Formalhaut		+Saturn		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	42°01.8'	3153	21°44.7'	3284	54°06.6'	3111	97°44.4'	2780	88°33.2'	3438
1	41°32.8'	3148	21°16.5'	3281	54°35.9'	3102	98°16.0'	2775	89°00.4'	3434
2	41°03.7'	3144	20°48.4'	3279	55°05.3'	3094	98°47.7'	2771	89°27.6'	3429
3	40°34.6'	3139	20°20.2'	3276	55°34.7'	3086	99°19.4'	2766	89°54.9'	3425
4	40°05.5'	3134	19°51.9'	3274	56°04.2'	3077	99°51.1'	2762	90°22.2'	3420
5	39°36.3'	3130	19°23.7'	3271	56°33.7'	3069	100°22.9'	2757	90°49.4'	3416
6	39°07.1'	3125	18°55.5'	3269	57°03.3'	3061	100°54.7'	2753	91°16.8'	3412
7	38°37.9'	3121	18°27.2'	3267	57°33.0'	3053	101°26.5'	2748	91°44.1'	3407
8	38°08.7'	3116	17°58.9'	3266	58°02.7'	3045	101°58.4'	2744	92°11.5'	3403
9	37°39.4'	3112	17°30.6'	3265	58°32.4'	3037	102°30.3'	2739	92°38.9'	3399
10	37°10.1'	3107	17°02.3'	3264	59°02.2'	3030	103°02.2'	2734	93°06.3'	3395
11	36°40.8'	3102	16°34.0'	3263	59°32.1'	3022	103°34.2'	2730	93°33.8'	3392
12	36°11.4'	3098	16°05.7'	3263	60°02.0'	3015	104°06.2'	2725	94°01.3'	3388
13	35°42.0'	3093	15°37.4'	3263	60°32.0'	3007	104°38.2'	2721	94°28.8'	3384
14	35°12.5'	3089	15°09.1'	3264	61°02.0'	3000	105°10.3'	2716	94°56.3'	3381
15	34°43.1'	3084	14°40.8'	3265	61°32.1'	2992	105°42.4'	2711	95°23.8'	3377
16	34°13.6'	3080	14°12.5'	3267	62°02.2'	2985	106°14.5'	2707	95°51.4'	3374
17	33°44.1'	3075	13°44.2'	3270	62°32.4'	2978	106°46.7'	2702	96°19.0'	3371
18	33°14.5'	3070	13°16.0'	3273	63°02.6'	2971	107°18.9'	2698	96°46.6'	3367
19	32°44.9'	3066	12°47.8'	3278	63°32.9'	2964	107°51.2'	2693	97°14.3'	3364
20	32°15.3'	3062	12°19.5'	3284	64°03.2'	2957	108°23.4'	2688	97°41.9'	3361
21	31°45.7'	3057	11°51.4'	3291	64°33.6'	2950	108°55.7'	2684	98°09.6'	3359
22	31°16.0'	3053	11°23.3'	3300	65°04.0'	2943	109°28.1'	2679	98°37.3'	3356
23	30°46.3'	3048	10°55.2'	3311	65°34.5'	2936	110°00.5'	2674	99°05.0'	3353