

Sat Apr 1, 2017 UTC

UTC	+Sun		-Aldebaran		+Mars		-Pollux		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	53°11.6'	2485	5°32.2'	2180	19°33.0'	2555	50°18.3'	2284	26°23.5'	2658
1	53°45.5'	2488	4°55.9'	2185	20°06.3'	2548	49°42.9'	2288	25°51.0'	2682
2	54°19.3'	2490	4°19.6'	2191	20°39.7'	2542	49°07.4'	2292	25°18.6'	2707
3	54°53.1'	2492	3°43.3'	2199	21°13.1'	2537	48°32.0'	2297	24°46.4'	2734
4	55°26.9'	2494	3°07.2'	2211	21°46.6'	2532	47°56.7'	2301	24°14.5'	2763
5	56°00.7'	2497	2°31.1'	2233	22°20.0'	2528	47°21.4'	2306	23°42.7'	2794
6	56°34.5'	2499	1°55.2'	2283	22°53.6'	2525	46°46.1'	2311	23°11.2'	2828
7	57°08.2'	2501	-	-	23°27.1'	2521	46°10.8'	2316	22°39.9'	2864
8	57°42.0'	2504	-	-	24°00.7'	2519	45°35.6'	2321	22°08.9'	2902
9	58°15.7'	2506	-	-	24°34.3'	2516	45°00.5'	2326	21°38.1'	2944
10	58°49.4'	2509	-	-	25°07.9'	2515	44°25.3'	2331	21°07.6'	2989
11	59°23.0'	2511	-	-	25°41.5'	2513	43°50.3'	2337	20°37.5'	3037
12	59°56.7'	2514	1°45.9'	2259	26°15.2'	2512	43°15.2'	2342	20°07.7'	3090
13	60°30.3'	2516	2°21.6'	2237	26°48.8'	2511	42°40.3'	2348	19°38.2'	3147
14	61°03.9'	2519	2°57.4'	2227	27°22.5'	2510	42°05.3'	2354	19°09.2'	3209
15	61°37.5'	2522	3°33.4'	2223	27°56.1'	2509	41°30.4'	2360	18°40.5'	3277
16	62°11.1'	2525	4°09.3'	2221	28°29.8'	2509	40°55.6'	2367	18°12.3'	3351
17	62°44.6'	2527	4°45.3'	2221	29°03.5'	2509	40°20.8'	2373	17°44.5'	3432
18	63°18.2'	2530	5°21.3'	2222	29°37.2'	2509	39°46.0'	2380	17°17.3'	3521
19	63°51.7'	2533	5°57.2'	2223	30°10.8'	2509	39°11.4'	2387	16°50.6'	3619
20	64°25.2'	2536	6°33.2'	2225	30°44.5'	2510	38°36.7'	2395	16°24.6'	3727
21	64°58.6'	2539	7°09.2'	2227	31°18.2'	2511	38°02.2'	2402	15°59.1'	3846
22	65°32.1'	2542	7°45.1'	2229	31°51.8'	2511	37°27.7'	2410	15°34.4'	3979
23	66°05.5'	2545	8°21.0'	2231	32°25.5'	2512	36°53.2'	2418	-	-

Sun Apr 2, 2017 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	66°38.9'	2548	8°56.9'	2234	36°18.8'	2426	32°59.1'	2513	37°58.2'	2541
1	67°12.2'	2551	9°32.8'	2236	35°44.5'	2435	33°32.7'	2514	37°24.7'	2553
2	67°45.6'	2554	10°08.6'	2239	35°10.3'	2444	34°06.4'	2516	36°51.4'	2565
3	68°18.9'	2557	10°44.5'	2241	34°36.1'	2453	34°40.0'	2517	36°18.2'	2577
4	68°52.2'	2560	11°20.3'	2244	34°02.0'	2463	35°13.6'	2519	35°45.0'	2590
5	69°25.5'	2563	11°56.0'	2247	33°27.9'	2473	35°47.2'	2520	35°12.0'	2603
6	69°58.8'	2566	12°31.8'	2250	32°54.0'	2483	36°20.8'	2522	34°39.0'	2617
7	70°32.0'	2569	13°07.6'	2253	32°20.1'	2494	36°54.4'	2524	34°06.2'	2632
8	71°05.2'	2573	13°43.3'	2256	31°46.3'	2505	37°27.9'	2526	33°33.5'	2647
9	71°38.4'	2576	14°19.0'	2259	31°12.6'	2517	38°01.4'	2528	33°00.8'	2663
10	72°11.5'	2579	14°54.6'	2262	30°39.0'	2529	38°35.0'	2530	32°28.3'	2679
11	72°44.7'	2582	15°30.3'	2264	30°05.5'	2542	39°08.5'	2532	31°56.0'	2697
12	73°17.8'	2586	16°05.9'	2268	29°32.1'	2556	39°42.0'	2534	31°23.7'	2715
13	73°50.8'	2589	16°41.5'	2271	28°58.8'	2570	40°15.5'	2536	30°51.6'	2734
14	74°23.9'	2592	17°17.1'	2274	28°25.6'	2585	40°48.9'	2538	30°19.6'	2753
15	74°56.9'	2596	17°52.6'	2277	27°52.5'	2600	41°22.4'	2541	29°47.8'	2774
16	75°29.9'	2599	18°28.1'	2280	27°19.5'	2617	41°55.8'	2543	29°16.1'	2796
17	76°02.9'	2603	19°03.6'	2283	26°46.7'	2634	42°29.2'	2546	28°44.6'	2819
18	76°35.9'	2606	19°39.1'	2286	26°13.9'	2652	43°02.6'	2548	28°13.3'	2844
19	77°08.8'	2609	20°14.5'	2289	25°41.4'	2671	43°36.0'	2551	27°42.1'	2869
20	77°41.7'	2613	20°50.0'	2292	25°08.9'	2692	44°09.3'	2553	27°11.1'	2896
21	78°14.6'	2616	21°25.4'	2296	24°36.6'	2713	44°42.6'	2556	26°40.3'	2925
22	78°47.4'	2620	22°00.7'	2299	24°04.5'	2736	45°15.9'	2559	26°09.7'	2955
23	79°20.2'	2623	22°36.1'	2302	23°32.6'	2761	45°49.2'	2561	25°39.3'	2987

Mon Apr 3, 2017 UTC

UTC	+Sun		+Aldebaran		-Regulus		-Pollux		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	79°53.0'	2627	23°11.4'	2305	56°56.9'	2305	23°00.8'	2787	46°22.5'	2564
1	80°25.8'	2630	23°46.7'	2309	56°21.6'	2309	22°29.2'	2815	46°55.7'	2567
2	80°58.6'	2634	24°21.9'	2312	55°46.3'	2312	21°57.8'	2844	47°29.0'	2570
3	81°31.3'	2637	24°57.1'	2315	55°11.1'	2315	21°26.7'	2876	48°02.2'	2573
4	82°04.0'	2641	25°32.4'	2318	54°35.9'	2319	20°55.7'	2911	48°35.3'	2576
5	82°36.6'	2644	26°07.5'	2322	54°00.7'	2322	20°25.0'	2948	49°08.5'	2579
6	83°09.3'	2648	26°42.7'	2325	53°25.6'	2325	19°54.6'	2987	49°41.6'	2582
7	83°41.9'	2652	27°17.8'	2328	52°50.5'	2329	19°24.4'	3031	50°14.8'	2585
8	84°14.4'	2655	27°52.9'	2332	52°15.4'	2332	18°54.6'	3077	50°47.8'	2588
9	84°47.0'	2659	28°28.0'	2335	51°40.3'	2335	18°25.0'	3128	51°20.9'	2591
10	85°19.5'	2662	29°03.0'	2338	51°05.2'	2339	17°55.8'	3183	51°54.0'	2594
11	85°52.0'	2666	29°38.1'	2342	50°30.2'	2342	17°27.0'	3244	52°27.0'	2597
12	86°24.5'	2670	30°13.0'	2345	49°55.2'	2345	16°58.6'	3310	52°60.0'	2600
13	86°57.0'	2673	30°48.0'	2349	49°20.3'	2349	16°30.6'	3382	53°32.9'	2603
14	87°29.4'	2677	31°23.0'	2352	48°45.3'	2352	16°03.0'	3462	54°05.9'	2606
15	88°01.8'	2681	31°57.9'	2355	48°10.4'	2356	15°36.0'	3550	54°38.8'	2609
16	88°34.1'	2684	32°32.7'	2359	47°35.5'	2359	15°09.5'	3648	55°11.7'	2613
17	89°06.5'	2688	33°07.6'	2362	47°00.7'	2362	14°43.6'	3756	55°44.6'	2616
18	89°38.8'	2692	33°42.4'	2365	46°25.9'	2366	14°18.3'	3877	56°17.4'	2619
19	90°11.1'	2695	34°17.2'	2369	45°51.1'	2369	13°53.8'	4013	56°50.3'	2622
20	90°43.3'	2699	34°52.0'	2372	45°16.3'	2373	–	–	57°23.1'	2626
21	91°15.6'	2703	35°26.8'	2376	44°41.5'	2376	–	–	57°55.9'	2629
22	91°47.8'	2706	36°01.5'	2379	44°06.8'	2379	–	–	58°28.6'	2632
23	92°19.9'	2710	36°36.2'	2382	43°32.1'	2383	–	–	59°01.3'	2635

Tue Apr 4, 2017 UTC

UTC	+Sun		+Aldebaran		-Regulus		+Betelgeuse		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	92°52.1'	2714	37°10.8'	2386	42°57.5'	2386	21°48.8'	3087	59°34.0'	2639
1	93°24.2'	2718	37°45.5'	2389	42°22.8'	2390	22°18.3'	3057	60°06.7'	2642
2	93°56.3'	2721	38°20.1'	2393	41°48.2'	2393	22°47.9'	3029	60°39.4'	2645
3	94°28.4'	2725	38°54.7'	2396	41°13.7'	2397	23°17.8'	3003	61°12.0'	2649
4	95°00.4'	2729	39°29.2'	2399	40°39.1'	2400	23°47.9'	2979	61°44.6'	2652
5	95°32.4'	2732	40°03.8'	2403	40°04.6'	2403	24°18.1'	2958	62°17.2'	2656
6	96°04.4'	2736	40°38.3'	2406	39°30.1'	2407	24°48.4'	2937	62°49.7'	2659
7	96°36.3'	2740	41°12.7'	2410	38°55.6'	2410	25°18.9'	2919	63°22.3'	2662
8	97°08.3'	2743	41°47.2'	2413	38°21.2'	2414	25°49.6'	2901	63°54.8'	2666
9	97°40.2'	2747	42°21.6'	2417	37°46.7'	2417	26°20.3'	2885	64°27.2'	2669
10	98°12.0'	2751	42°56.0'	2420	37°12.3'	2421	26°51.2'	2871	64°59.7'	2672
11	98°43.9'	2755	43°30.4'	2423	36°38.0'	2424	27°22.2'	2857	65°32.1'	2676
12	99°15.7'	2758	44°04.7'	2427	36°03.7'	2427	27°53.3'	2844	66°04.5'	2679
13	99°47.5'	2762	44°39.0'	2430	35°29.3'	2431	28°24.4'	2832	66°36.9'	2683
14	100°19.3'	2766	45°13.3'	2434	34°55.1'	2434	28°55.7'	2822	67°09.3'	2686
15	100°51.0'	2769	45°47.6'	2437	34°20.8'	2438	29°27.0'	2811	67°41.6'	2689
16	101°22.7'	2773	46°21.8'	2440	33°46.6'	2441	29°58.4'	2802	68°13.9'	2693
17	101°54.4'	2777	46°56.0'	2444	33°12.4'	2445	30°29.9'	2794	68°46.2'	2696
18	102°26.1'	2781	47°30.2'	2447	32°38.2'	2448	31°01.4'	2786	69°18.4'	2700
19	102°57.7'	2784	48°04.4'	2450	32°04.1'	2451	31°33.0'	2778	69°50.6'	2703
20	103°29.3'	2788	48°38.5'	2454	31°29.9'	2455	32°04.7'	2771	70°22.8'	2707
21	104°00.9'	2792	49°12.6'	2457	30°55.8'	2458	32°36.4'	2765	70°55.0'	2710
22	104°32.4'	2795	49°46.7'	2461	30°21.8'	2462	33°08.1'	2759	71°27.2'	2713
23	105°03.9'	2799	50°20.7'	2464	29°47.7'	2465	33°39.9'	2754	71°59.3'	2717

Wed Apr 5, 2017 UTC

UTC	+Sun		-Regulus		+Aldebaran		+Betelgeuse		-Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	105°35.4'	2803	29°13.7'	2469	50°54.7'	2467	34°11.7'	2749	77°42.9'	2430
1	106°06.9'	2806	28°39.7'	2472	51°28.7'	2471	34°43.6'	2744	77°08.6'	2433
2	106°38.3'	2810	28°05.8'	2475	52°02.7'	2474	35°15.5'	2740	76°34.3'	2436
3	107°09.8'	2814	27°31.9'	2479	52°36.6'	2477	35°47.4'	2736	76°00.1'	2440
4	107°41.1'	2817	26°57.9'	2482	53°10.6'	2481	36°19.4'	2733	75°25.9'	2443
5	108°12.5'	2821	26°24.1'	2486	53°44.5'	2484	36°51.4'	2729	74°51.7'	2446
6	108°43.8'	2825	25°50.2'	2489	54°18.3'	2487	37°23.4'	2726	74°17.5'	2450
7	109°15.2'	2828	25°16.4'	2492	54°52.2'	2491	37°55.4'	2724	73°43.4'	2453
8	109°46.4'	2832	24°42.6'	2496	55°26.0'	2494	38°27.4'	2721	73°09.3'	2456
9	110°17.7'	2836	24°08.8'	2499	55°59.8'	2497	38°59.5'	2719	72°35.2'	2460
10	110°48.9'	2839	23°35.1'	2503	56°33.5'	2501	39°31.6'	2717	72°01.1'	2463
11	111°20.1'	2843	23°01.3'	2506	57°07.3'	2504	40°03.7'	2716	71°27.1'	2466
12	111°51.3'	2847	22°27.6'	2509	57°41.0'	2507	40°35.8'	2714	70°53.1'	2469
13	112°22.5'	2850	21°54.0'	2513	58°14.7'	2510	41°07.9'	2713	70°19.1'	2473
14	112°53.6'	2854	21°20.3'	2516	58°48.3'	2514	41°40.0'	2712	69°45.2'	2476
15	113°24.7'	2858	20°46.7'	2520	59°21.9'	2517	42°12.2'	2711	69°11.2'	2479
16	113°55.8'	2861	20°13.1'	2523	59°55.6'	2520	42°44.3'	2710	68°37.3'	2482
17	114°26.8'	2865	19°39.6'	2526	60°29.1'	2524	43°16.4'	2709	68°03.5'	2486
18	114°57.8'	2868	19°06.0'	2530	61°02.7'	2527	43°48.6'	2709	67°29.6'	2489
19	115°28.8'	2872	18°32.5'	2533	61°36.2'	2530	44°20.8'	2709	66°55.8'	2492
20	115°59.8'	2876	17°59.0'	2537	62°09.7'	2533	44°52.9'	2708	66°22.0'	2495
21	116°30.7'	2879	17°25.6'	2540	62°43.2'	2536	45°25.1'	2708	65°48.2'	2499
22	117°01.7'	2883	16°52.2'	2544	63°16.7'	2540	45°57.2'	2708	65°14.5'	2502
23	117°32.5'	2886	16°18.7'	2547	63°50.1'	2543	46°29.4'	2708	64°40.7'	2505

Thu Apr 6, 2017 UTC

UTC	+Sun		-Regulus		+Pollux		+Betelgeuse		-Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	118°03.4'	2890	15°45.4'	2551	22°32.6'	3026	47°01.6'	2709	64°07.0'	2508
1	118°34.3'	2894	15°12.0'	2554	23°02.5'	3008	47°33.7'	2709	63°33.4'	2511
2	119°05.1'	2897	14°38.7'	2558	23°32.5'	2991	48°05.9'	2709	62°59.7'	2515
3	119°35.9'	2901	14°05.4'	2561	24°02.7'	2975	48°38.0'	2710	62°26.1'	2518
4	120°06.6'	2904	13°32.1'	2565	24°32.9'	2961	49°10.2'	2711	61°52.5'	2521
5	120°37.4'	2908	12°58.9'	2569	25°03.2'	2948	49°42.3'	2711	61°18.9'	2524
6	121°08.1'	2912	12°25.7'	2572	25°33.7'	2936	50°14.4'	2712	60°45.3'	2527
7	121°38.8'	2915	11°52.5'	2576	26°04.2'	2925	50°46.6'	2713	60°11.8'	2531
8	122°09.4'	2919	11°19.3'	2580	26°34.8'	2914	51°18.7'	2714	59°38.3'	2534
9	122°40.1'	2922	10°46.2'	2584	27°05.5'	2905	51°50.8'	2715	59°04.8'	2537
10	123°10.7'	2926	10°13.1'	2589	27°36.2'	2896	52°22.9'	2716	58°31.4'	2540
11	123°41.3'	2929	9°40.1'	2593	28°07.0'	2888	52°55.0'	2717	57°57.9'	2543
12	124°11.8'	2933	9°07.0'	2598	28°37.9'	2880	53°27.1'	2718	57°24.5'	2546
13	124°42.4'	2937	8°34.1'	2603	29°08.8'	2873	53°59.2'	2720	56°51.2'	2550
14	125°12.9'	2940	8°01.1'	2608	29°39.7'	2867	54°31.3'	2721	56°17.8'	2553
15	125°43.4'	2944	7°28.2'	2614	30°10.8'	2861	55°03.4'	2722	55°44.5'	2556
16	126°13.9'	2947	6°55.3'	2621	30°41.8'	2855	55°35.4'	2724	55°11.2'	2559
17	126°44.3'	2951	6°22.5'	2628	31°12.9'	2850	56°07.5'	2725	54°37.9'	2562
18	127°14.7'	2954	5°49.8'	2637	31°44.0'	2846	56°39.5'	2727	54°04.6'	2565
19	127°45.1'	2958	5°17.1'	2648	32°15.2'	2842	57°11.5'	2728	53°31.4'	2568
20	128°15.5'	2961	4°44.5'	2662	32°46.4'	2838	57°43.5'	2730	52°58.2'	2571
21	128°45.8'	2965	4°12.0'	2682	33°17.6'	2834	58°15.5'	2732	52°25.0'	2574
22	129°16.1'	2968	3°39.6'	2709	33°48.8'	2831	58°47.5'	2733	51°51.8'	2578
23	129°46.4'	2972	3°07.4'	2752	34°20.1'	2828	59°19.5'	2735	51°18.7'	2581

Fri Apr 7, 2017 UTC

UTC	−Regulus		−Jupiter		+Pollux		−Spica		+Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	2°35.6′	2827	50°45.5′	2584	34°51.4′	2825	56°26.7′	2657	34°51.3′	2976
1	−	−	50°12.4′	2587	35°22.7′	2823	55°54.2′	2660	35°21.6′	2970
2	−	−	49°39.4′	2590	35°54.0′	2821	55°21.7′	2664	35°51.8′	2964
3	−	−	49°06.3′	2593	36°25.3′	2819	54°49.2′	2667	36°22.2′	2958
4	−	−	48°33.3′	2596	36°56.7′	2817	54°16.7′	2671	36°52.5′	2953
5	−	−	48°00.3′	2599	37°28.1′	2816	53°44.3′	2674	37°22.9′	2948
6	−	−	47°27.3′	2602	37°59.4′	2814	53°11.9′	2678	37°53.4′	2943
7	−	−	46°54.4′	2605	38°30.8′	2813	52°39.5′	2681	38°23.8′	2939
8	−	−	46°21.4′	2608	39°02.2′	2812	52°07.1′	2685	38°54.3′	2935
9	2°30.5′	2791	45°48.5′	2611	39°33.6′	2811	51°34.8′	2689	39°24.8′	2932
10	3°02.1′	2751	45°15.6′	2614	40°05.0′	2811	51°02.5′	2692	39°55.4′	2928
11	3°33.9′	2728	44°42.8′	2617	40°36.4′	2810	50°30.2′	2696	40°26.0′	2925
12	4°05.9′	2713	44°09.9′	2621	41°07.8′	2810	49°58.0′	2699	40°56.6′	2922
13	4°38.1′	2705	43°37.1′	2624	41°39.2′	2810	49°25.7′	2703	41°27.2′	2920
14	5°10.3′	2699	43°04.3′	2627	42°10.7′	2810	48°53.5′	2707	41°57.8′	2917
15	5°42.5′	2696	42°31.5′	2630	42°42.1′	2809	48°21.4′	2710	42°28.4′	2915
16	6°14.7′	2694	41°58.8′	2633	43°13.5′	2810	47°49.2′	2714	42°59.1′	2913
17	6°47.0′	2693	41°26.1′	2636	43°44.9′	2810	47°17.1′	2718	43°29.8′	2911
18	7°19.3′	2693	40°53.4′	2639	44°16.3′	2810	46°45.0′	2722	44°00.5′	2909
19	7°51.5′	2694	40°20.7′	2642	44°47.8′	2810	46°12.9′	2725	44°31.2′	2908
20	8°23.8′	2695	39°48.0′	2645	45°19.2′	2811	45°40.9′	2729	45°01.9′	2907
21	8°56.1′	2696	39°15.4′	2648	45°50.6′	2811	45°08.9′	2733	45°32.6′	2905
22	9°28.3′	2698	38°42.8′	2651	46°22.0′	2812	44°36.9′	2737	46°03.4′	2904
23	10°00.6′	2699	38°10.2′	2654	46°53.4′	2813	44°05.0′	2741	46°34.1′	2903

Sat Apr 8, 2017 UTC

UTC	+Regulus		−Jupiter		−Spica		+Pollux		+Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	10°32.8′	2701	37°37.6′	2657	43°33.1′	2745	47°24.8′	2814	47°04.9′	2903
1	11°05.0′	2703	37°05.1′	2660	43°01.2′	2749	47°56.2′	2814	47°35.6′	2902
2	11°37.2′	2706	36°32.6′	2663	42°29.3′	2753	48°27.6′	2815	48°06.4′	2901
3	12°09.4′	2708	36°00.1′	2666	41°57.5′	2757	48°58.9′	2816	48°37.1′	2901
4	12°41.5′	2710	35°27.6′	2669	41°25.7′	2761	49°30.3′	2817	49°07.9′	2901
5	13°13.7′	2713	34°55.2′	2673	40°53.9′	2765	50°01.7′	2818	49°38.7′	2900
6	13°45.8′	2715	34°22.7′	2676	40°22.1′	2769	50°33.0′	2820	50°09.4′	2900
7	14°17.9′	2718	33°50.3′	2679	39°50.4′	2773	51°04.4′	2821	50°40.2′	2900
8	14°50.0′	2720	33°17.9′	2682	39°18.7′	2777	51°35.7′	2822	51°11.0′	2900
9	15°22.1′	2723	32°45.6′	2685	38°47.1′	2782	52°07.0′	2823	51°41.7′	2900
10	15°54.1′	2725	32°13.3′	2688	38°15.5′	2786	52°38.4′	2825	52°12.5′	2901
11	16°26.2′	2728	31°40.9′	2691	37°43.9′	2791	53°09.7′	2826	52°43.3′	2901
12	16°58.2′	2730	31°08.7′	2694	37°12.3′	2795	53°41.0′	2828	53°14.0′	2901
13	17°30.2′	2733	30°36.4′	2697	36°40.8′	2800	54°12.3′	2829	53°44.8′	2902
14	18°02.2′	2736	30°04.1′	2701	36°09.3′	2804	54°43.5′	2831	54°15.6′	2902
15	18°34.1′	2738	29°31.9′	2704	35°37.9′	2809	55°14.8′	2832	54°46.3′	2903
16	19°06.1′	2741	28°59.7′	2707	35°06.4′	2814	55°46.1′	2834	55°17.1′	2904
17	19°38.0′	2744	28°27.6′	2710	34°35.0′	2819	56°17.3′	2835	55°47.8′	2905
18	20°09.9′	2746	27°55.4′	2713	34°03.7′	2824	56°48.5′	2837	56°18.5′	2905
19	20°41.8′	2749	27°23.3′	2717	33°32.4′	2829	57°19.8′	2839	56°49.3′	2906
20	21°13.6′	2752	26°51.2′	2720	33°01.1′	2834	57°51.0′	2840	57°20.0′	2907
21	21°45.5′	2754	26°19.1′	2723	32°29.8′	2839	58°22.2′	2842	57°50.7′	2908
22	22°17.3′	2757	25°47.1′	2727	31°58.6′	2845	58°53.3′	2844	58°21.4′	2909
23	22°49.1′	2760	25°15.1′	2730	31°27.5′	2850	59°24.5′	2846	58°52.1′	2910

Sun Apr 9, 2017 UTC

UTC	−Jupiter		+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	24°43.1′	2734	23°20.9′	2763	30°56.3′	2856	59°55.7′	2848	59°22.8′	2911
1	24°11.1′	2737	23°52.6′	2765	30°25.3′	2862	60°26.8′	2850	59°53.5′	2913
2	23°39.1′	2741	24°24.4′	2768	29°54.2′	2868	60°57.9′	2851	60°24.2′	2914
3	23°07.2′	2744	24°56.1′	2771	29°23.2′	2874	61°29.1′	2853	60°54.9′	2915
4	22°35.3′	2748	25°27.8′	2773	28°52.3′	2880	62°00.2′	2855	61°25.6′	2916
5	22°03.4′	2751	25°59.5′	2776	28°21.3′	2887	62°31.3′	2857	61°56.2′	2918
6	21°31.6′	2755	26°31.1′	2779	27°50.5′	2893	63°02.3′	2859	62°26.9′	2919
7	20°59.8′	2759	27°02.8′	2781	27°19.7′	2900	63°33.4′	2861	62°57.5′	2921
8	20°28.0′	2763	27°34.4′	2784	26°48.9′	2908	64°04.4′	2863	63°28.1′	2922
9	19°56.2′	2767	28°06.0′	2787	26°18.2′	2915	64°35.5′	2865	63°58.7′	2924
10	19°24.5′	2771	28°37.6′	2790	25°47.5′	2923	65°06.5′	2867	64°29.3′	2925
11	18°52.8′	2775	29°09.2′	2792	25°16.9′	2931	65°37.5′	2870	64°59.9′	2927
12	18°21.1′	2779	29°40.7′	2795	24°46.3′	2939	66°08.5′	2872	65°30.5′	2929
13	17°49.5′	2784	30°12.2′	2798	24°15.9′	2948	66°39.5′	2874	66°01.1′	2930
14	17°17.9′	2788	30°43.7′	2800	23°45.4′	2957	67°10.4′	2876	66°31.6′	2932
15	16°46.3′	2793	31°15.2′	2803	23°15.1′	2967	67°41.4′	2878	67°02.2′	2934
16	16°14.8′	2798	31°46.7′	2806	22°44.8′	2977	68°12.3′	2880	67°32.7′	2935
17	15°43.3′	2803	32°18.1′	2808	22°14.5′	2988	68°43.2′	2882	68°03.2′	2937
18	15°11.8′	2809	32°49.6′	2811	21°44.4′	2999	69°14.1′	2885	68°33.8′	2939
19	14°40.4′	2815	33°21.0′	2814	21°14.3′	3011	69°45.0′	2887	69°04.3′	2941
20	14°09.0′	2821	33°52.4′	2817	20°44.3′	3023	70°15.8′	2889	69°34.7′	2943
21	13°37.7′	2828	34°23.7′	2819	20°14.4′	3036	70°46.7′	2891	70°05.2′	2944
22	13°06.4′	2835	34°55.1′	2822	19°44.6′	3050	71°17.5′	2894	70°35.7′	2946
23	12°35.1′	2842	35°26.4′	2825	19°14.8′	3065	71°48.3′	2896	71°06.1′	2948

Mon Apr 10, 2017 UTC

UTC	−Jupiter		+Regulus		−Spica		−Antares		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	12°04.0′	2851	35°57.7′	2827	18°45.2′	3081	64°24.2′	2903	72°19.1′	2898
1	11°32.8′	2860	36°29.0′	2830	18°15.7′	3098	63°53.5′	2907	72°49.9′	2900
2	11°01.8′	2870	37°00.3′	2833	17°46.3′	3117	63°22.8′	2910	73°20.7′	2903
3	10°30.8′	2881	37°31.5′	2835	17°17.0′	3137	62°52.1′	2913	73°51.5′	2905
4	9°59.9′	2894	38°02.8′	2838	16°47.9′	3158	62°21.4′	2917	74°22.2′	2907
5	9°29.1′	2908	38°34.0′	2841	16°18.9′	3181	61°50.7′	2920	74°52.9′	2910
6	8°58.4′	2924	39°05.2′	2843	15°50.0′	3207	61°20.1′	2924	75°23.6′	2912
7	8°27.8′	2944	39°36.4′	2846	15°21.4′	3234	60°49.5′	2927	75°54.3′	2914
8	7°57.3′	2966	40°07.5′	2849	14°52.9′	3264	60°18.9′	2931	76°25.0′	2917
9	7°27.0′	2993	40°38.6′	2851	14°24.6′	3297	59°48.4′	2934	76°55.6′	2919
10	6°56.9′	3026	41°09.8′	2854	13°56.5′	3334	59°17.8′	2938	77°26.3′	2921
11	6°27.0′	3067	41°40.9′	2856	13°28.7′	3374	58°47.3′	2941	77°56.9′	2924
12	5°57.4′	3119	42°12.0′	2859	13°01.1′	3419	58°16.8′	2945	78°27.5′	2926
13	5°28.1′	3186	42°43.0′	2862	12°33.8′	3469	57°46.4′	2948	78°58.1′	2928
14	4°59.3′	3275	43°14.1′	2864	12°06.8′	3526	57°16.0′	2952	79°28.6′	2931
15	4°31.1′	3396	43°45.1′	2867	11°40.1′	3589	56°45.6′	2956	79°59.2′	2933
16	–	–	44°16.1′	2870	11°13.9′	3661	56°15.2′	2959	80°29.7′	2936
17	–	–	44°47.1′	2872	10°48.0′	3742	55°44.8′	2963	81°00.3′	2938
18	–	–	45°18.1′	2875	10°22.7′	3835	55°14.5′	2967	81°30.8′	2940
19	–	–	45°49.0′	2877	9°57.9′	3943	54°44.2′	2971	82°01.2′	2943
20	–	–	46°19.9′	2880	9°33.7′	4067	54°13.9′	2975	82°31.7′	2945
21	–	–	46°50.9′	2882	9°10.2′	4212	53°43.7′	2978	83°02.2′	2948
22	–	–	47°21.7′	2885	–	–	53°13.5′	2982	83°32.6′	2950
23	–	–	47°52.6′	2888	–	–	52°43.3′	2986	84°03.0′	2953

Tue Apr 11, 2017 UTC

UTC	+Regulus		-Antares		-Saturn		+Pollux		+Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	48°23.5'	2890	52°13.1'	2990	69°20.3'	2895	84°33.4'	2955	83°42.5'	3003
1	48°54.3'	2893	51°43.0'	2994	68°49.5'	2898	85°03.8'	2958	84°12.5'	3005
2	49°25.2'	2895	51°12.8'	2998	68°18.7'	2900	85°34.2'	2960	84°42.6'	3007
3	49°56.0'	2898	50°42.8'	3002	67°47.9'	2903	86°04.5'	2962	85°12.6'	3010
4	50°26.7'	2900	50°12.7'	3006	67°17.2'	2905	86°34.9'	2965	85°42.6'	3012
5	50°57.5'	2903	49°42.7'	3010	66°46.4'	2908	87°05.2'	2967	86°12.6'	3015
6	51°28.3'	2905	49°12.7'	3015	66°15.7'	2910	87°35.5'	2970	86°42.6'	3017
7	51°59.0'	2908	48°42.7'	3019	65°45.0'	2913	88°05.7'	2972	87°12.5'	3020
8	52°29.7'	2910	48°12.8'	3023	65°14.3'	2916	88°36.0'	2975	87°42.4'	3022
9	53°00.4'	2913	47°42.8'	3027	64°43.7'	2918	89°06.3'	2977	88°12.4'	3024
10	53°31.1'	2915	47°13.0'	3032	64°13.0'	2921	89°36.5'	2980	88°42.3'	3027
11	54°01.8'	2918	46°43.1'	3036	63°42.4'	2923	90°06.7'	2982	89°12.2'	3029
12	54°32.4'	2920	46°13.3'	3041	63°11.8'	2926	90°36.9'	2985	89°42.0'	3032
13	55°03.0'	2923	45°43.5'	3045	62°41.2'	2928	91°07.1'	2987	90°11.9'	3034
14	55°33.6'	2925	45°13.7'	3050	62°10.6'	2931	91°37.2'	2990	90°41.7'	3037
15	56°04.2'	2928	44°44.0'	3055	61°40.1'	2933	92°07.4'	2992	91°11.5'	3039
16	56°34.8'	2930	44°14.3'	3060	61°09.5'	2936	92°37.5'	2995	91°41.3'	3042
17	57°05.4'	2932	43°44.7'	3064	60°39.0'	2938	93°07.6'	2997	92°11.1'	3044
18	57°35.9'	2935	43°15.0'	3069	60°08.5'	2941	93°37.7'	3000	92°40.9'	3047
19	58°06.4'	2937	42°45.4'	3074	59°38.0'	2943	94°07.8'	3002	93°10.6'	3049
20	58°36.9'	2940	42°15.9'	3079	59°07.6'	2946	94°37.8'	3005	93°40.4'	3052
21	59°07.4'	2942	41°46.4'	3085	58°37.1'	2948	95°07.9'	3007	94°10.1'	3054
22	59°37.9'	2944	41°16.9'	3090	58°06.7'	2950	95°37.9'	3009	94°39.8'	3057
23	60°08.4'	2947	40°47.4'	3095	57°36.3'	2953	96°07.9'	3012	95°09.4'	3060

Wed Apr 12, 2017 UTC

UTC	+Jupiter		-Antares		-Saturn		+Regulus		+Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	13°12.7'	2956	40°18.0'	3101	57°05.9'	2955	60°38.8'	2949	9°10.7'	4135
1	13°43.1'	2955	39°48.6'	3106	56°35.5'	2958	61°09.2'	2951	9°33.8'	4017
2	14°13.4'	2954	39°19.3'	3112	56°05.1'	2960	61°39.7'	2954	9°57.6'	3917
3	14°43.8'	2953	38°50.0'	3118	55°34.8'	2963	62°10.0'	2956	10°22.0'	3830
4	15°14.2'	2953	38°20.7'	3124	55°04.4'	2965	62°40.4'	2958	10°46.8'	3754
5	15°44.6'	2952	37°51.5'	3130	54°34.1'	2967	63°10.8'	2961	11°12.1'	3688
6	16°15.0'	2952	37°22.3'	3136	54°03.8'	2970	63°41.1'	2963	11°37.8'	3630
7	16°45.4'	2953	36°53.1'	3142	53°33.5'	2972	64°11.5'	2965	12°03.8'	3579
8	17°15.8'	2953	36°24.0'	3149	53°03.3'	2975	64°41.8'	2967	12°30.1'	3535
9	17°46.2'	2954	35°55.0'	3156	52°33.0'	2977	65°12.1'	2970	12°56.7'	3495
10	18°16.6'	2954	35°26.0'	3163	52°02.8'	2979	65°42.3'	2972	13°23.5'	3460
11	18°47.0'	2955	34°57.0'	3170	51°32.6'	2982	66°12.6'	2974	13°50.6'	3428
12	19°17.4'	2956	34°28.1'	3177	51°02.4'	2984	66°42.9'	2976	14°17.8'	3400
13	19°47.8'	2957	33°59.2'	3184	50°32.2'	2986	67°13.1'	2978	14°45.2'	3375
14	20°18.2'	2958	33°30.4'	3192	50°02.0'	2989	67°43.3'	2981	15°12.8'	3352
15	20°48.5'	2959	33°01.6'	3200	49°31.9'	2991	68°13.5'	2983	15°40.6'	3332
16	21°18.9'	2960	32°32.9'	3208	49°01.8'	2993	68°43.7'	2985	16°08.4'	3313
17	21°49.2'	2961	32°04.2'	3217	48°31.6'	2995	69°13.9'	2987	16°36.4'	3297
18	22°19.6'	2962	31°35.6'	3225	48°01.5'	2998	69°44.1'	2989	17°04.5'	3281
19	22°49.9'	2964	31°07.1'	3234	47°31.4'	3000	70°14.2'	2991	17°32.7'	3268
20	23°20.2'	2965	30°38.6'	3244	47°01.4'	3002	70°44.3'	2993	18°00.9'	3255
21	23°50.5'	2966	30°10.2'	3253	46°31.3'	3004	71°14.5'	2995	18°29.3'	3244
22	24°20.9'	2968	29°41.8'	3264	46°01.3'	3007	71°44.6'	2997	18°57.7'	3234
23	24°51.1'	2969	29°13.5'	3274	45°31.3'	3009	72°14.6'	2999	19°26.2'	3224

Thu Apr 13, 2017 UTC

UTC	+Jupiter		+Spica		-Saturn		-Antares		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	25°21.4'	2971	19°54.8'	3216	45°01.2'	3011	28°45.3'	3285	72°44.7'	3001
1	25°51.7'	2972	20°23.4'	3208	44°31.2'	3013	28°17.1'	3296	73°14.8'	3003
2	26°22.0'	2973	20°52.1'	3201	44°01.3'	3015	27°49.0'	3308	73°44.8'	3005
3	26°52.2'	2975	21°20.8'	3194	43°31.3'	3018	27°21.0'	3320	74°14.9'	3007
4	27°22.5'	2976	21°49.5'	3188	43°01.4'	3020	26°53.1'	3333	74°44.9'	3009
5	27°52.7'	2978	22°18.3'	3182	42°31.4'	3022	26°25.2'	3347	75°14.9'	3011
6	28°22.9'	2979	22°47.2'	3177	42°01.5'	3024	25°57.4'	3361	75°44.9'	3013
7	28°53.2'	2981	23°16.0'	3173	41°31.6'	3026	25°29.8'	3376	76°14.9'	3015
8	29°23.4'	2982	23°44.9'	3168	41°01.7'	3028	25°02.2'	3391	76°44.8'	3017
9	29°53.6'	2984	24°13.9'	3164	40°31.8'	3031	24°34.7'	3408	77°14.8'	3018
10	30°23.7'	2985	24°42.8'	3161	40°02.0'	3033	24°07.3'	3425	77°44.7'	3020
11	30°53.9'	2987	25°11.8'	3157	39°32.1'	3035	23°40.1'	3443	78°14.7'	3022
12	31°24.1'	2988	25°40.8'	3154	39°02.3'	3037	23°12.9'	3462	78°44.6'	3024
13	31°54.2'	2989	26°09.8'	3152	38°32.5'	3039	22°45.9'	3483	79°14.5'	3026
14	32°24.4'	2991	26°38.9'	3149	38°02.7'	3041	22°19.0'	3504	79°44.4'	3027
15	32°54.5'	2992	27°07.9'	3147	37°32.9'	3043	21°52.2'	3527	80°14.3'	3029
16	33°24.6'	2994	27°37.0'	3144	37°03.1'	3045	21°25.6'	3551	80°44.1'	3031
17	33°54.8'	2995	28°06.1'	3142	36°33.4'	3047	20°59.1'	3577	81°14.0'	3032
18	34°24.9'	2996	28°35.2'	3141	36°03.6'	3049	20°32.8'	3605	81°43.9'	3034
19	34°55.0'	2998	29°04.3'	3139	35°33.9'	3051	20°06.6'	3634	82°13.7'	3035
20	35°25.0'	2999	29°33.4'	3137	35°04.2'	3054	19°40.6'	3666	82°43.5'	3037
21	35°55.1'	3000	30°02.5'	3136	34°34.5'	3056	19°14.8'	3699	83°13.3'	3039
22	36°25.2'	3002	30°31.7'	3135	34°04.8'	3058	18°49.2'	3735	83°43.1'	3040
23	36°55.2'	3003	31°00.8'	3133	33°35.1'	3060	18°23.8'	3774	84°12.9'	3042

Fri Apr 14, 2017 UTC

UTC	-Saturn		+Jupiter		+Spica		-Antares		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	33°05.4'	3062	37°25.3'	3004	31°30.0'	3132	17°58.7'	3816	84°42.7'	3043
1	32°35.8'	3064	37°55.3'	3006	31°59.2'	3131	17°33.7'	3861	85°12.5'	3044
2	32°06.2'	3066	38°25.4'	3007	32°28.4'	3130	17°09.1'	3910	85°42.3'	3046
3	31°36.5'	3068	38°55.4'	3008	32°57.5'	3130	16°44.7'	3963	86°12.0'	3047
4	31°06.9'	3070	39°25.4'	3009	33°26.7'	3129	16°20.6'	4020	86°41.8'	3049
5	30°37.3'	3072	39°55.4'	3011	33°55.9'	3128	15°56.8'	4083	87°11.5'	3050
6	30°07.8'	3074	40°25.4'	3012	34°25.1'	3127	15°33.4'	4151	87°41.2'	3051
7	29°38.2'	3076	40°55.4'	3013	34°54.3'	3127	15°10.3'	4226	88°10.9'	3053
8	29°08.7'	3078	41°25.4'	3014	35°23.5'	3126	14°47.6'	4307	88°40.7'	3054
9	28°39.1'	3081	41°55.4'	3015	35°52.7'	3126	14°25.4'	4397	89°10.4'	3055
10	28°09.6'	3083	42°25.3'	3016	36°21.9'	3125	14°03.6'	4496	89°40.1'	3056
11	27°40.1'	3085	42°55.3'	3017	36°51.2'	3125	13°42.3'	4605	90°09.7'	3057
12	27°10.6'	3087	43°25.2'	3018	37°20.4'	3125	13°21.5'	4725	90°39.4'	3058
13	26°41.1'	3089	43°55.2'	3019	37°49.6'	3124	13°01.3'	4859	91°09.1'	3060
14	26°11.7'	3092	44°25.1'	3020	38°18.8'	3124	12°41.7'	5008	91°38.7'	3061
15	25°42.2'	3094	44°55.1'	3021	38°48.0'	3124	12°22.7'	5174	92°08.4'	3062
16	25°12.8'	3096	45°25.0'	3022	39°17.3'	3123	12°04.5'	5361	92°38.0'	3063
17	24°43.4'	3099	45°54.9'	3023	39°46.5'	3123	-	-	93°07.7'	3064
18	24°14.0'	3101	46°24.8'	3024	40°15.7'	3123	-	-	93°37.3'	3065
19	23°44.6'	3104	46°54.7'	3025	40°45.0'	3123	-	-	94°06.9'	3066
20	23°15.3'	3107	47°24.6'	3025	41°14.2'	3122	-	-	94°36.6'	3066
21	22°45.9'	3109	47°54.5'	3026	41°43.4'	3122	-	-	95°06.2'	3067
22	22°16.6'	3112	48°24.4'	3027	42°12.7'	3122	-	-	95°35.8'	3068
23	21°47.3'	3115	48°54.3'	3028	42°41.9'	3122	-	-	96°05.4'	3069

## Sat Apr 15, 2017 UTC

UTC	−Saturn		+Jupiter		+Spica		+Regulus		−Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	21°18.0′	3118	49°24.2′	3028	43°11.1′	3121	96°35.0′	3070	57°27.6′	3798
1	20°48.7′	3121	49°54.1′	3029	43°40.4′	3121	97°04.6′	3070	57°02.6′	3807
2	20°19.5′	3125	50°23.9′	3029	44°09.6′	3121	97°34.2′	3071	56°37.6′	3816
3	19°50.3′	3128	50°53.8′	3030	44°38.9′	3121	98°03.8′	3072	56°12.7′	3825
4	19°21.1′	3132	51°23.7′	3031	45°08.1′	3121	98°33.3′	3072	55°47.8′	3835
5	18°51.9′	3136	51°53.5′	3031	45°37.4′	3120	99°02.9′	3073	55°23.0′	3844
6	18°22.8′	3140	52°23.4′	3032	46°06.6′	3120	99°32.5′	3073	54°58.3′	3854
7	17°53.6′	3144	52°53.2′	3032	46°35.9′	3120	100°02.1′	3074	54°33.6′	3865
8	17°24.5′	3149	53°23.1′	3032	47°05.1′	3120	100°31.6′	3074	54°08.9′	3875
9	16°55.5′	3154	53°52.9′	3033	47°34.4′	3119	101°01.2′	3075	53°44.3′	3886
10	16°26.5′	3159	54°22.8′	3033	48°03.6′	3119	101°30.7′	3075	53°19.8′	3897
11	15°57.5′	3165	54°52.6′	3033	48°32.9′	3119	102°00.3′	3075	52°55.4′	3908
12	15°28.5′	3172	55°22.5′	3034	49°02.2′	3118	102°29.8′	3076	52°31.0′	3919
13	14°59.6′	3179	55°52.3′	3034	49°31.4′	3118	102°59.4′	3076	52°06.6′	3931
14	14°30.8′	3187	56°22.1′	3034	50°00.7′	3118	103°29.0′	3076	51°42.4′	3943
15	14°02.0′	3195	56°52.0′	3034	50°29.9′	3117	103°58.5′	3076	51°18.2′	3955
16	13°33.2′	3204	57°21.8′	3034	50°59.2′	3117	104°28.0′	3077	50°54.0′	3968
17	13°04.5′	3215	57°51.6′	3034	51°28.5′	3116	104°57.6′	3077	50°30.0′	3981
18	12°35.9′	3226	58°21.5′	3034	51°57.8′	3116	105°27.1′	3077	50°06.0′	3994
19	12°07.4′	3239	58°51.3′	3034	52°27.0′	3115	105°56.7′	3077	49°42.0′	4008
20	11°38.9′	3254	59°21.1′	3034	52°56.3′	3115	106°26.2′	3077	49°18.2′	4022
21	11°10.5′	3270	59°51.0′	3034	53°25.6′	3114	106°55.8′	3077	48°54.4′	4036
22	10°42.3′	3289	60°20.8′	3034	53°54.9′	3114	107°25.3′	3077	48°30.7′	4051
23	10°14.1′	3311	60°50.6′	3034	54°24.2′	3113	107°54.9′	3077	48°07.1′	4066

## Sun Apr 16, 2017 UTC

UTC	−Saturn		+Spica		+Jupiter		−Formalhaut		−Venus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	9°46.2′	3336	54°53.5′	3113	61°20.5′	3034	78°21.0′	3384	97°54.3′	3121
1	9°18.3′	3366	55°22.8′	3112	61°50.3′	3034	77°53.5′	3385	97°25.0′	3121
2	8°50.7′	3400	55°52.1′	3111	62°20.2′	3033	77°26.0′	3386	96°55.8′	3121
3	8°23.3′	3441	56°21.4′	3111	62°50.0′	3033	76°58.5′	3387	96°26.5′	3121
4	7°56.1′	3489	56°50.7′	3110	63°19.8′	3033	76°30.9′	3387	95°57.3′	3121
5	7°29.2′	3548	57°20.0′	3109	63°49.7′	3032	76°03.4′	3388	95°28.0′	3121
6	7°02.7′	3619	57°49.4′	3108	64°19.5′	3032	75°35.9′	3389	94°58.8′	3121
7	6°36.6′	3707	58°18.7′	3108	64°49.4′	3031	75°08.5′	3390	94°29.5′	3121
8	6°11.1′	3818	58°48.0′	3107	65°19.2′	3031	74°41.0′	3391	94°00.3′	3121
9	5°46.2′	3958	59°17.4′	3106	65°49.1′	3030	74°13.5′	3392	93°31.1′	3121
10	–	–	59°46.7′	3105	66°19.0′	3030	73°46.0′	3393	93°01.8′	3121
11	–	–	60°16.1′	3104	66°48.8′	3029	73°18.5′	3394	92°32.6′	3120
12	–	–	60°45.4′	3103	67°18.7′	3028	72°51.1′	3395	92°03.3′	3120
13	–	–	61°14.8′	3102	67°48.6′	3028	72°23.6′	3396	91°34.1′	3120
14	–	–	61°44.2′	3101	68°18.5′	3027	71°56.2′	3397	91°04.8′	3120
15	–	–	62°13.6′	3100	68°48.3′	3026	71°28.7′	3398	90°35.6′	3119
16	–	–	62°42.9′	3099	69°18.2′	3025	71°01.3′	3400	90°06.3′	3119
17	–	–	63°12.3′	3097	69°48.1′	3024	70°33.9′	3401	89°37.0′	3118
18	–	–	63°41.7′	3096	70°18.0′	3023	70°06.5′	3402	89°07.8′	3118
19	–	–	64°11.2′	3095	70°47.9′	3022	69°39.0′	3403	88°38.5′	3117
20	–	–	64°40.6′	3094	71°17.9′	3021	69°11.6′	3404	88°09.2′	3117
21	–	–	65°10.0′	3092	71°47.8′	3020	68°44.2′	3405	87°40.0′	3116
22	–	–	65°39.4′	3091	72°17.7′	3019	68°16.8′	3406	87°10.7′	3115
23	–	–	66°08.9′	3090	72°47.7′	3018	67°49.5′	3408	86°41.4′	3115



Mon Apr 17, 2017 UTC

UTC	−Sun		+Antares		+Spica		+Jupiter		−Venus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	116°37.6′	3447	22°20.5′	3515	66°38.4′	3088	73°17.6′	3017	86°12.1′	3114
1	116°10.4′	3445	22°47.2′	3496	67°07.8′	3087	73°47.6′	3015	85°42.8′	3113
2	115°43.3′	3444	23°14.1′	3477	67°37.3′	3085	74°17.5′	3014	85°13.5′	3112
3	115°16.2′	3442	23°41.0′	3459	68°06.8′	3083	74°47.5′	3013	84°44.2′	3111
4	114°49.0′	3441	24°08.1′	3443	68°36.3′	3082	75°17.5′	3011	84°14.9′	3110
5	114°21.8′	3439	24°35.2′	3427	69°05.8′	3080	75°47.5′	3010	83°45.6′	3109
6	113°54.6′	3437	25°02.5′	3412	69°35.3′	3078	76°17.5′	3008	83°16.3′	3108
7	113°27.5′	3435	25°29.8′	3397	70°04.8′	3077	76°47.5′	3007	82°46.9′	3107
8	113°00.2′	3434	25°57.3′	3383	70°34.4′	3075	77°17.5′	3005	82°17.6′	3106
9	112°33.0′	3432	26°24.8′	3370	71°03.9′	3073	77°47.6′	3003	81°48.3′	3105
10	112°05.8′	3430	26°52.4′	3358	71°33.5′	3071	78°17.6′	3002	81°18.9′	3104
11	111°38.6′	3428	27°20.1′	3345	72°03.1′	3069	78°47.7′	3000	80°49.5′	3102
12	111°11.3′	3426	27°47.9′	3334	72°32.7′	3067	79°17.7′	2998	80°20.2′	3101
13	110°44.1′	3424	28°15.7′	3323	73°02.3′	3065	79°47.8′	2996	79°50.8′	3100
14	110°16.8′	3421	28°43.7′	3312	73°31.9′	3063	80°17.9′	2994	79°21.4′	3098
15	109°49.5′	3419	29°11.6′	3301	74°01.6′	3061	80°48.0′	2992	78°52.0′	3097
16	109°22.2′	3417	29°39.7′	3291	74°31.2′	3059	81°18.2′	2990	78°22.6′	3095
17	108°54.9′	3415	30°07.8′	3282	75°00.9′	3057	81°48.3′	2988	77°53.2′	3094
18	108°27.5′	3412	30°36.0′	3272	75°30.6′	3055	82°18.4′	2986	77°23.7′	3092
19	108°00.2′	3410	31°04.2′	3263	76°00.2′	3052	82°48.6′	2984	76°54.3′	3090
20	107°32.8′	3408	31°32.5′	3254	76°30.0′	3050	83°18.8′	2982	76°24.8′	3089
21	107°05.5′	3405	32°00.9′	3246	76°59.7′	3048	83°49.0′	2980	75°55.4′	3087
22	106°38.1′	3402	32°29.3′	3237	77°29.4′	3045	84°19.2′	2978	75°25.9′	3085
23	106°10.6′	3400	32°57.8′	3229	77°59.2′	3043	84°49.4′	2975	74°56.4′	3083

Tue Apr 18, 2017 UTC

UTC	−Sun		+Saturn		+Antares		−Venus		+Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	105°43.2′	3397	14°54.4′	3111	33°26.3′	3221	74°26.9′	3082	78°29.0′	3040
1	105°15.8′	3395	15°23.7′	3102	33°54.9′	3214	73°57.4′	3080	78°58.8′	3038
2	104°48.3′	3392	15°53.1′	3094	34°23.5′	3206	73°27.9′	3078	79°28.6′	3035
3	104°20.8′	3389	16°22.5′	3086	34°52.2′	3199	72°58.4′	3076	79°58.4′	3033
4	103°53.3′	3386	16°52.0′	3078	35°20.9′	3191	72°28.8′	3074	80°28.2′	3030
5	103°25.8′	3383	17°21.5′	3071	35°49.7′	3184	71°59.2′	3071	80°58.1′	3027
6	102°58.3′	3380	17°51.1′	3065	36°18.5′	3177	71°29.7′	3069	81°28.0′	3024
7	102°30.7′	3377	18°20.8′	3058	36°47.4′	3170	71°00.1′	3067	81°57.9′	3022
8	102°03.2′	3374	18°50.4′	3052	37°16.3′	3164	70°30.4′	3065	82°27.8′	3019
9	101°35.6′	3371	19°20.1′	3046	37°45.3′	3157	70°00.8′	3063	82°57.8′	3016
10	101°08.0′	3368	19°49.9′	3040	38°14.3′	3150	69°31.2′	3060	83°27.7′	3013
11	100°40.3′	3364	20°19.7′	3034	38°43.3′	3144	69°01.5′	3058	83°57.7′	3010
12	100°12.7′	3361	20°49.5′	3029	39°12.4′	3138	68°31.8′	3055	84°27.7′	3007
13	99°45.0′	3358	21°19.4′	3023	39°41.5′	3131	68°02.2′	3053	84°57.7′	3004
14	99°17.3′	3354	21°49.3′	3018	40°10.7′	3125	67°32.5′	3050	85°27.8′	3001
15	98°49.6′	3351	22°19.3′	3013	40°39.9′	3119	67°02.7′	3048	85°57.8′	2997
16	98°21.9′	3348	22°49.3′	3007	41°09.2′	3113	66°33.0′	3045	86°27.9′	2994
17	97°54.1′	3344	23°19.3′	3002	41°38.5′	3107	66°03.2′	3042	86°58.0′	2991
18	97°26.3′	3340	23°49.3′	2997	42°07.8′	3101	65°33.4′	3040	87°28.2′	2988
19	96°58.5′	3337	24°19.4′	2992	42°37.2′	3095	65°03.6′	3037	87°58.3′	2984
20	96°30.7′	3333	24°49.5′	2987	43°06.6′	3089	64°33.8′	3034	88°28.5′	2981
21	96°02.9′	3329	25°19.7′	2982	43°36.1′	3083	64°04.0′	3031	88°58.7′	2977
22	95°35.0′	3325	25°49.9′	2978	44°05.6′	3077	63°34.1′	3028	89°29.0′	2974
23	95°07.1′	3322	26°20.1′	2973	44°35.1′	3071	63°04.3′	3025	89°59.2′	2970

Wed Apr 19, 2017 UTC

UTC	−Sun		+Saturn		+Antares		−Venus		−Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	94°39.2'	3318	26°50.4'	2968	45°04.7'	3065	62°34.4'	3022	45°44.2'	3561
1	94°11.2'	3314	27°20.7'	2963	45°34.4'	3060	62°04.5'	3019	45°17.8'	3569
2	93°43.2'	3310	27°51.0'	2958	46°04.0'	3054	61°34.5'	3016	44°51.4'	3576
3	93°15.2'	3306	28°21.4'	2954	46°33.7'	3048	61°04.6'	3013	44°25.0'	3584
4	92°47.2'	3302	28°51.8'	2949	47°03.5'	3042	60°34.6'	3010	43°58.8'	3593
5	92°19.2'	3297	29°22.2'	2944	47°33.2'	3037	60°04.6'	3007	43°32.5'	3602
6	91°51.1'	3293	29°52.6'	2939	48°03.1'	3031	59°34.6'	3004	43°06.3'	3611
7	91°23.0'	3289	30°23.1'	2935	48°32.9'	3025	59°04.5'	3000	42°40.2'	3620
8	90°54.8'	3285	30°53.7'	2930	49°02.8'	3020	58°34.4'	2997	42°14.1'	3631
9	90°26.7'	3280	31°24.2'	2925	49°32.7'	3014	58°04.3'	2994	41°48.1'	3641
10	89°58.5'	3276	31°54.8'	2920	50°02.7'	3008	57°34.2'	2990	41°22.2'	3652
11	89°30.2'	3271	32°25.5'	2915	50°32.7'	3003	57°04.1'	2987	40°56.3'	3664
12	89°02.0'	3267	32°56.1'	2911	51°02.8'	2997	56°33.9'	2983	40°30.5'	3676
13	88°33.7'	3262	33°26.8'	2906	51°32.9'	2991	56°03.7'	2980	40°04.8'	3689
14	88°05.4'	3258	33°57.5'	2901	52°03.0'	2986	55°33.5'	2976	39°39.1'	3702
15	87°37.1'	3253	34°28.3'	2896	52°33.2'	2980	55°03.3'	2973	39°13.5'	3716
16	87°08.7'	3248	34°59.1'	2891	53°03.4'	2974	54°33.0'	2969	38°48.0'	3730
17	86°40.3'	3244	35°29.9'	2886	53°33.6'	2969	54°02.7'	2965	38°22.6'	3746
18	86°11.9'	3239	36°00.8'	2881	54°03.9'	2963	53°32.4'	2962	37°57.3'	3762
19	85°43.4'	3234	36°31.7'	2876	54°34.2'	2957	53°02.1'	2958	37°32.0'	3779
20	85°14.9'	3229	37°02.7'	2871	55°04.6'	2952	52°31.7'	2954	37°06.9'	3797
21	84°46.4'	3224	37°33.6'	2866	55°35.0'	2946	52°01.3'	2950	36°41.9'	3815
22	84°17.8'	3219	38°04.6'	2861	56°05.5'	2940	51°30.9'	2946	36°17.0'	3835
23	83°49.2'	3214	38°35.7'	2856	56°36.0'	2935	51°00.5'	2943	35°52.1'	3855

Thu Apr 20, 2017 UTC

UTC	−Sun		+Saturn		−Venus		+Antares		−Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	83°20.6'	3209	39°06.8'	2851	50°30.0'	2939	57°06.5'	2929	35°27.4'	3877
1	82°52.0'	3204	39°37.9'	2846	49°59.5'	2935	57°37.0'	2923	35°02.9'	3899
2	82°23.3'	3199	40°09.1'	2841	49°29.0'	2931	58°07.7'	2918	34°38.4'	3923
3	81°54.6'	3194	40°40.2'	2836	48°58.4'	2927	58°38.3'	2912	34°14.1'	3948
4	81°25.8'	3189	41°11.5'	2830	48°27.8'	2923	59°09.0'	2906	33°49.9'	3975
5	80°57.0'	3183	41°42.7'	2825	47°57.2'	2919	59°39.7'	2900	33°25.9'	4003
6	80°28.2'	3178	42°14.1'	2820	47°26.6'	2915	60°10.5'	2894	33°02.0'	4032
7	79°59.3'	3173	42°45.4'	2815	46°55.9'	2911	60°41.3'	2889	32°38.3'	4063
8	79°30.4'	3167	43°16.8'	2809	46°25.2'	2906	61°12.2'	2883	32°14.8'	4095
9	79°01.5'	3162	43°48.2'	2804	45°54.5'	2902	61°43.0'	2877	31°51.4'	4129
10	78°32.5'	3157	44°19.7'	2799	45°23.8'	2898	62°14.0'	2871	31°28.2'	4165
11	78°03.5'	3151	44°51.2'	2793	44°53.0'	2894	62°45.0'	2865	31°05.2'	4204
12	77°34.5'	3146	45°22.7'	2788	44°22.2'	2890	63°16.0'	2859	30°42.4'	4244
13	77°05.4'	3140	45°54.3'	2782	43°51.3'	2886	63°47.0'	2853	30°19.9'	4286
14	76°36.3'	3134	46°25.9'	2777	43°20.4'	2881	64°18.1'	2848	29°57.5'	4331
15	76°07.1'	3129	46°57.5'	2771	42°49.5'	2877	64°49.3'	2842	29°35.4'	4378
16	75°37.9'	3123	47°29.2'	2766	42°18.6'	2873	65°20.5'	2836	29°13.5'	4429
17	75°08.7'	3117	48°01.0'	2760	41°47.6'	2869	65°51.7'	2830	28°51.8'	4482
18	74°39.4'	3112	48°32.8'	2755	41°16.6'	2864	66°23.0'	2824	28°30.5'	4538
19	74°10.1'	3106	49°04.6'	2749	40°45.6'	2860	66°54.3'	2818	28°09.4'	4597
20	73°40.8'	3100	49°36.4'	2743	40°14.6'	2856	67°25.7'	2812	27°48.5'	4660
21	73°11.4'	3094	50°08.3'	2738	39°43.5'	2852	67°57.1'	2806	27°28.0'	4727
22	72°41.9'	3088	50°40.3'	2732	39°12.3'	2847	68°28.5'	2800	27°07.8'	4798
23	72°12.5'	3082	51°12.3'	2726	38°41.2'	2843	68°60.0'	2794	26°47.9'	4874

Fri Apr 21, 2017 UTC

UTC	-Sun		-Venus		+Saturn		+Antares		+Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	71°43.0'	3076	38°10.0'	2839	51°44.3'	2721	69°31.5'	2788	115°18.1'	2748
1	71°13.4'	3070	37°38.8'	2834	52°16.4'	2715	70°03.1'	2782	115°50.0'	2743
2	70°43.8'	3065	37°07.6'	2830	52°48.5'	2709	70°34.7'	2775	116°21.9'	2737
3	70°14.2'	3059	36°36.3'	2826	53°20.6'	2703	71°06.4'	2769	116°53.8'	2732
4	69°44.5'	3052	36°05.0'	2822	53°52.8'	2697	71°38.1'	2763	117°25.8'	2727
5	69°14.8'	3046	35°33.7'	2818	54°25.1'	2692	72°09.9'	2757	117°57.8'	2721
6	68°45.1'	3040	35°02.3'	2814	54°57.3'	2686	72°41.7'	2751	118°29.9'	2716
7	68°15.3'	3034	34°30.9'	2809	55°29.7'	2680	73°13.5'	2745	119°02.0'	2710
8	67°45.4'	3028	33°59.5'	2805	56°02.0'	2674	73°45.4'	2739	119°34.2'	2705
9	67°15.6'	3022	33°28.1'	2801	56°34.5'	2668	74°17.3'	2732	120°06.3'	2699
10	66°45.7'	3016	32°56.6'	2797	57°06.9'	2662	74°49.3'	2726	120°38.6'	2694
11	66°15.7'	3010	32°25.1'	2794	57°39.4'	2656	75°21.4'	2720	121°10.8'	2689
12	65°45.7'	3003	31°53.5'	2790	58°12.0'	2650	75°53.4'	2714	121°43.1'	2683
13	65°15.6'	2997	31°22.0'	2786	58°44.6'	2644	76°25.5'	2708	122°15.5'	2678
14	64°45.5'	2991	30°50.4'	2782	59°17.2'	2638	76°57.7'	2702	122°47.9'	2672
15	64°15.4'	2985	30°18.8'	2779	59°49.9'	2632	77°29.9'	2695	123°20.3'	2667
16	63°45.2'	2978	29°47.1'	2775	60°22.6'	2626	78°02.2'	2689	123°52.8'	2661
17	63°15.0'	2972	29°15.4'	2772	60°55.4'	2620	78°34.5'	2683	124°25.3'	2656
18	62°44.7'	2966	28°43.8'	2768	61°28.2'	2614	79°06.8'	2677	124°57.8'	2650
19	62°14.4'	2959	28°12.0'	2765	62°01.1'	2607	79°39.2'	2670	125°30.4'	2644
20	61°44.1'	2953	27°40.3'	2762	62°34.0'	2601	80°11.7'	2664	126°03.1'	2639
21	61°13.7'	2947	27°08.5'	2759	63°07.0'	2595	80°44.2'	2658	126°35.8'	2633
22	60°43.2'	2940	26°36.7'	2756	63°40.0'	2589	81°16.7'	2652	127°08.5'	2628
23	60°12.7'	2934	26°04.9'	2754	64°13.0'	2583	81°49.3'	2645	127°41.2'	2622

Sat Apr 22, 2017 UTC

UTC	-Sun		-Venus		+Saturn		+Antares		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	59°42.2'	2927	25°33.1'	2751	64°46.2'	2577	82°21.9'	2639	41°14.0'	3919
1	59°11.6'	2921	25°01.3'	2749	65°19.3'	2570	82°54.6'	2633	41°38.3'	3883
2	58°41.0'	2915	24°29.4'	2747	65°52.5'	2564	83°27.3'	2627	42°02.8'	3849
3	58°10.3'	2908	23°57.5'	2746	66°25.7'	2558	84°00.1'	2620	42°27.6'	3816
4	57°39.6'	2902	23°25.6'	2744	66°59.0'	2552	84°32.9'	2614	42°52.5'	3783
5	57°08.9'	2896	22°53.8'	2743	67°32.4'	2546	85°05.8'	2608	43°17.6'	3752
6	56°38.1'	2889	22°21.8'	2742	68°05.8'	2539	85°38.7'	2602	43°42.9'	3721
7	56°07.2'	2883	21°49.9'	2742	68°39.2'	2533	86°11.6'	2595	44°08.4'	3691
8	55°36.3'	2876	21°18.0'	2742	69°12.7'	2527	86°44.6'	2589	44°34.0'	3662
9	55°05.4'	2870	20°46.1'	2743	69°46.2'	2521	87°17.7'	2583	44°59.8'	3634
10	54°34.4'	2864	20°14.2'	2744	70°19.8'	2514	87°50.8'	2577	45°25.8'	3606
11	54°03.4'	2857	19°42.3'	2746	70°53.4'	2508	88°24.0'	2570	45°52.0'	3579
12	53°32.3'	2851	19°10.4'	2748	71°27.1'	2502	88°57.2'	2564	46°18.3'	3553
13	53°01.2'	2844	18°38.6'	2751	72°00.8'	2496	89°30.4'	2558	46°44.8'	3527
14	52°30.0'	2838	18°06.7'	2755	72°34.6'	2489	90°03.7'	2552	47°11.4'	3502
15	51°58.8'	2832	17°34.9'	2761	73°08.4'	2483	90°37.0'	2546	47°38.2'	3478
16	51°27.5'	2825	17°03.1'	2767	73°42.3'	2477	91°10.4'	2539	48°05.1'	3454
17	50°56.2'	2819	16°31.4'	2774	74°16.2'	2471	91°43.9'	2533	48°32.2'	3431
18	50°24.9'	2813	15°59.7'	2783	74°50.2'	2464	92°17.3'	2527	48°59.5'	3408
19	49°53.5'	2806	15°28.1'	2793	75°24.2'	2458	92°50.9'	2521	49°26.8'	3386
20	49°22.0'	2800	14°56.6'	2806	75°58.3'	2452	93°24.5'	2515	49°54.3'	3365
21	48°50.6'	2794	14°25.1'	2820	76°32.4'	2446	93°58.1'	2509	50°22.0'	3344
22	48°19.0'	2788	13°53.8'	2837	77°06.6'	2440	94°31.7'	2503	50°49.8'	3323
23	47°47.4'	2782	13°22.6'	2857	77°40.8'	2433	95°05.5'	2497	51°17.7'	3303

Sun Apr 23, 2017 UTC

UTC	-Sun		-Venus		+Saturn		+Antares		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	47°15.8'	2775	12°51.5'	2881	78°15.0'	2427	95°39.2'	2491	51°45.7'	3283
1	46°44.2'	2769	12°20.6'	2908	78°49.3'	2421	96°13.0'	2485	52°13.9'	3264
2	46°12.4'	2763	11°49.9'	2941	79°23.7'	2415	96°46.9'	2479	52°42.2'	3245
3	45°40.7'	2757	11°19.4'	2979	79°58.1'	2409	97°20.8'	2473	53°10.6'	3226
4	45°08.9'	2751	10°49.2'	3025	80°32.6'	2403	97°54.8'	2467	53°39.2'	3208
5	44°37.0'	2745	10°19.3'	3079	81°07.1'	2396	98°28.8'	2461	54°07.8'	3191
6	44°05.2'	2739	9°49.7'	3144	81°41.6'	2390	99°02.8'	2455	54°36.6'	3173
7	43°33.2'	2733	9°20.7'	3223	82°16.2'	2384	99°36.9'	2449	55°05.5'	3156
8	43°01.2'	2727	8°52.1'	3317	82°50.9'	2378	100°11.0'	2443	55°34.5'	3140
9	42°29.2'	2721	8°24.1'	3433	83°25.6'	2372	100°45.2'	2437	56°03.6'	3123
10	41°57.2'	2716	-	-	84°00.3'	2366	101°19.5'	2432	56°32.9'	3107
11	41°25.0'	2710	-	-	84°35.1'	2360	101°53.7'	2426	57°02.2'	3092
12	40°52.9'	2704	-	-	85°10.0'	2354	102°28.1'	2420	57°31.7'	3076
13	40°20.7'	2698	-	-	85°44.9'	2348	103°02.4'	2415	58°01.2'	3061
14	39°48.5'	2693	-	-	86°19.8'	2342	103°36.8'	2409	58°30.9'	3046
15	39°16.2'	2687	-	-	86°54.8'	2336	104°11.3'	2403	59°00.6'	3032
16	38°43.9'	2682	-	-	87°29.8'	2330	104°45.8'	2398	59°30.5'	3018
17	38°11.5'	2676	-	-	88°04.9'	2324	105°20.3'	2392	60°00.4'	3004
18	37°39.1'	2671	-	-	88°40.0'	2319	105°54.9'	2387	60°30.4'	2990
19	37°06.7'	2666	-	-	89°15.2'	2313	106°29.5'	2382	61°00.6'	2977
20	36°34.2'	2661	-	-	89°50.4'	2307	107°04.2'	2376	61°30.8'	2964
21	36°01.7'	2656	-	-	90°25.7'	2301	107°38.9'	2371	62°01.1'	2951
22	35°29.1'	2650	-	-	91°01.0'	2296	108°13.7'	2366	62°31.5'	2938
23	34°56.6'	2646	-	-	91°36.4'	2290	108°48.5'	2360	63°02.1'	2926

Mon Apr 24, 2017 UTC

UTC	+Saturn		+Altair		+Antares		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	92°11.8'	2284	63°32.6'	2914	109°23.3'	2355	31°10.0'	3647
1	92°47.3'	2279	64°03.3'	2902	109°58.2'	2350	31°35.9'	3596
2	93°22.8'	2273	64°34.1'	2890	110°33.1'	2345	32°02.1'	3547
3	93°58.3'	2268	65°04.9'	2879	111°08.1'	2340	32°28.6'	3500
4	94°33.9'	2262	65°35.8'	2868	111°43.1'	2335	32°55.4'	3456
5	95°09.6'	2257	66°06.8'	2857	112°18.2'	2330	33°22.5'	3413
6	95°45.3'	2251	66°37.9'	2846	112°53.2'	2326	33°49.9'	3372
7	96°21.0'	2246	67°09.1'	2835	113°28.4'	2321	34°17.5'	3332
8	96°56.8'	2240	67°40.3'	2825	114°03.5'	2316	34°45.3'	3294
9	97°32.6'	2235	68°11.6'	2815	114°38.7'	2312	35°13.4'	3258
10	98°08.4'	2230	68°43.0'	2805	115°14.0'	2307	35°41.8'	3223
11	98°44.4'	2225	69°14.4'	2795	115°49.2'	2303	36°10.3'	3190
12	99°20.3'	2219	69°46.0'	2786	116°24.6'	2298	36°39.1'	3158
13	99°56.3'	2214	70°17.6'	2776	116°59.9'	2294	37°08.1'	3127
14	100°32.3'	2209	70°49.2'	2767	117°35.3'	2290	37°37.3'	3097
15	101°08.4'	2204	71°20.9'	2758	118°10.7'	2285	38°06.7'	3069
16	101°44.5'	2199	71°52.7'	2750	118°46.1'	2281	38°36.3'	3041
17	102°20.7'	2194	72°24.6'	2741	119°21.6'	2277	39°06.1'	3015
18	102°56.9'	2189	72°56.5'	2733	119°57.1'	2273	39°36.1'	2989
19	103°33.1'	2185	73°28.5'	2724	120°32.7'	2270	40°06.2'	2964
20	104°09.4'	2180	74°00.5'	2716	121°08.3'	2266	40°36.5'	2940
21	104°45.7'	2175	74°32.6'	2709	121°43.9'	2262	41°07.0'	2917
22	105°22.1'	2171	75°04.8'	2701	122°19.5'	2259	41°37.7'	2895
23	105°58.5'	2166	75°37.0'	2693	122°55.2'	2255	42°08.5'	2874

Tue Apr 25, 2017 UTC

UTC	+Venus		+Formalhaut		+Saturn		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	16°29.1'	2466	42°39.4'	2853	106°34.9'	2161	76°09.3'	2686
1	17°03.1'	2449	43°10.5'	2833	107°11.4'	2157	76°41.6'	2679
2	17°37.3'	2433	43°41.8'	2814	107°47.9'	2152	77°14.0'	2672
3	18°11.5'	2418	44°13.2'	2795	108°24.5'	2148	77°46.4'	2665
4	18°45.9'	2405	44°44.7'	2777	109°01.1'	2144	78°18.9'	2659
5	19°20.4'	2392	45°16.4'	2759	109°37.7'	2140	78°51.4'	2652
6	19°55.0'	2380	45°48.2'	2742	110°14.3'	2135	79°24.0'	2646
7	20°29.7'	2369	46°20.1'	2726	110°51.0'	2131	79°56.6'	2640
8	21°04.5'	2358	46°52.1'	2710	111°27.8'	2127	80°29.3'	2634
9	21°39.3'	2348	47°24.2'	2694	112°04.5'	2123	81°02.0'	2628
10	22°14.3'	2338	47°56.5'	2679	112°41.3'	2119	81°34.8'	2623
11	22°49.3'	2329	48°28.9'	2665	113°18.2'	2115	82°07.6'	2617
12	23°24.4'	2321	49°01.4'	2651	113°55.0'	2112	82°40.4'	2612
13	23°59.5'	2313	49°34.0'	2637	114°31.9'	2108	83°13.3'	2607
14	24°34.8'	2305	50°06.6'	2624	115°08.8'	2104	83°46.2'	2602
15	25°10.1'	2298	50°39.4'	2611	115°45.8'	2101	84°19.2'	2598
16	25°45.4'	2291	51°12.3'	2599	116°22.8'	2097	84°52.1'	2593
17	26°20.8'	2284	51°45.3'	2587	116°59.8'	2094	85°25.2'	2589
18	26°56.3'	2278	52°18.4'	2575	117°36.9'	2090	85°58.2'	2585
19	27°31.8'	2271	52°51.5'	2564	118°13.9'	2087	86°31.3'	2581
20	28°07.3'	2266	53°24.8'	2553	118°51.0'	2084	87°04.4'	2577
21	28°43.0'	2260	53°58.1'	2543	119°28.2'	2081	87°37.6'	2573
22	29°18.6'	2255	54°31.5'	2532	120°05.3'	2078	88°10.8'	2570
23	29°54.3'	2249	55°05.0'	2523	120°42.5'	2075	88°44.0'	2566

Fri Apr 28, 2017 UTC

UTC	-Aldebaran		-Betelgeuse		-Pollux		-Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	11°01.5'	2024	31°26.6'	2372	55°38.4'	2113	56°59.2'	2185
1	10°23.9'	2025	30°51.9'	2386	55°01.5'	2115	56°22.9'	2188
2	9°46.2'	2027	30°17.2'	2401	54°24.6'	2118	55°46.6'	2192
3	9°08.6'	2029	29°42.7'	2417	53°47.8'	2120	55°10.4'	2195
4	8°31.0'	2031	29°08.3'	2434	53°10.9'	2123	54°34.2'	2199
5	7°53.4'	2033	28°34.1'	2452	52°34.1'	2126	53°58.1'	2203
6	7°15.8'	2036	27°60.0'	2472	51°57.4'	2129	53°21.9'	2207
7	6°38.3'	2040	27°26.0'	2492	51°20.6'	2132	52°45.8'	2212
8	6°00.8'	2044	26°52.2'	2514	50°43.9'	2135	52°09.8'	2216
9	5°23.3'	2050	26°18.6'	2538	50°07.2'	2139	51°33.8'	2221
10	4°45.9'	2057	25°45.1'	2563	49°30.5'	2142	50°57.8'	2226
11	4°08.5'	2068	25°11.9'	2590	48°53.9'	2146	50°21.8'	2231
12	3°31.2'	2085	24°38.8'	2619	48°17.3'	2150	49°46.0'	2237
13	2°54.1'	2115	24°06.0'	2650	47°40.7'	2154	49°10.1'	2242
14	2°17.2'	2176	23°33.4'	2684	47°04.2'	2158	48°34.3'	2248
15	–	–	23°01.1'	2720	46°27.7'	2162	47°58.5'	2254
16	–	–	22°29.0'	2759	45°51.2'	2167	47°22.8'	2260
17	–	–	21°57.2'	2801	45°14.8'	2172	46°47.2'	2267
18	–	–	21°25.7'	2847	44°38.4'	2177	46°11.6'	2274
19	–	–	20°54.6'	2896	44°02.0'	2182	45°36.0'	2281
20	–	–	20°23.8'	2950	43°25.7'	2187	45°00.6'	2288
21	2°11.5'	2138	19°53.3'	3008	42°49.4'	2193	44°25.1'	2296
22	2°48.2'	2109	19°23.3'	3072	42°13.2'	2198	43°49.8'	2304
23	3°25.1'	2095	18°53.8'	3142	41°37.1'	2204	43°14.5'	2312

## Sat Apr 29, 2017 UTC

UTC	+Aldebaran		-Pollux		-Procyon		-Regulus		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	4°02.1'	2087	41°01.0'	2211	42°39.2'	2321	76°07.6'	2060	10°24.9'	2994
1	4°39.2'	2083	40°24.9'	2217	42°04.1'	2330	75°30.3'	2063	10°55.0'	2922
2	5°16.4'	2082	39°48.9'	2224	41°29.0'	2339	74°52.9'	2065	11°25.6'	2861
3	5°53.5'	2081	39°12.9'	2231	40°54.0'	2349	74°15.7'	2068	11°56.7'	2809
4	6°30.7'	2082	38°37.0'	2238	40°19.0'	2359	73°38.4'	2071	12°28.1'	2764
5	7°07.8'	2083	38°01.2'	2245	39°44.2'	2369	73°01.1'	2073	12°59.9'	2725
6	7°45.0'	2084	37°25.4'	2253	39°09.4'	2380	72°23.9'	2076	13°31.9'	2691
7	8°22.1'	2086	36°49.7'	2261	38°34.7'	2391	71°46.7'	2079	14°04.2'	2662
8	8°59.2'	2088	36°14.0'	2270	38°00.1'	2403	71°09.5'	2082	14°36.7'	2637
9	9°36.3'	2090	35°38.5'	2278	37°25.6'	2415	70°32.4'	2085	15°09.4'	2614
10	10°13.4'	2093	35°03.0'	2288	36°51.2'	2428	69°55.3'	2088	15°42.3'	2595
11	10°50.5'	2095	34°27.5'	2297	36°16.9'	2442	69°18.2'	2092	16°15.3'	2578
12	11°27.5'	2098	33°52.2'	2307	35°42.7'	2455	68°41.1'	2095	16°48.4'	2563
13	12°04.5'	2101	33°16.9'	2317	35°08.6'	2470	68°04.1'	2098	17°21.7'	2549
14	12°41.5'	2104	32°41.7'	2328	34°34.7'	2485	67°27.1'	2101	17°55.0'	2538
15	13°18.4'	2107	32°06.6'	2339	34°00.8'	2501	66°50.1'	2105	18°28.5'	2528
16	13°55.4'	2110	31°31.6'	2351	33°27.1'	2517	66°13.1'	2108	19°02.0'	2519
17	14°32.3'	2114	30°56.7'	2364	32°53.5'	2535	65°36.2'	2112	19°35.6'	2511
18	15°09.2'	2117	30°21.9'	2377	32°20.0'	2553	64°59.3'	2115	20°09.2'	2505
19	15°46.0'	2121	29°47.1'	2390	31°46.7'	2572	64°22.4'	2119	20°42.9'	2499
20	16°22.8'	2124	29°12.5'	2404	31°13.5'	2592	63°45.6'	2122	21°16.7'	2494
21	16°59.6'	2128	28°38.1'	2419	30°40.4'	2613	63°08.8'	2126	21°50.5'	2490
22	17°36.4'	2131	28°03.7'	2435	30°07.6'	2635	62°32.0'	2130	22°24.3'	2486
23	18°13.1'	2135	27°29.4'	2452	29°34.9'	2658	61°55.3'	2133	22°58.2'	2483

## Sun Apr 30, 2017 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	49°12.1'	2460	18°49.8'	2139	23°32.0'	2481	26°55.3'	2469	61°18.5'	2137
1	49°46.2'	2464	19°26.5'	2142	24°05.9'	2479	26°21.3'	2488	60°41.9'	2141
2	50°20.2'	2468	20°03.1'	2146	24°39.8'	2477	25°47.5'	2507	60°05.2'	2145
3	50°54.2'	2472	20°39.7'	2150	25°13.7'	2476	25°13.8'	2528	59°28.6'	2149
4	51°28.2'	2476	21°16.3'	2154	25°47.7'	2476	24°40.3'	2550	58°52.0'	2153
5	52°02.1'	2480	21°52.8'	2158	26°21.6'	2475	24°06.9'	2573	58°15.5'	2157
6	52°36.0'	2484	22°29.4'	2162	26°55.5'	2475	23°33.7'	2598	57°39.0'	2161
7	53°09.9'	2488	23°05.8'	2166	27°29.5'	2476	23°00.8'	2625	57°02.5'	2165
8	53°43.7'	2492	23°42.3'	2170	28°03.4'	2476	22°28.0'	2653	56°26.0'	2169
9	54°17.5'	2496	24°18.7'	2174	28°37.3'	2477	21°55.4'	2683	55°49.6'	2174
10	54°51.3'	2500	24°55.0'	2178	29°11.2'	2478	21°23.1'	2716	55°13.3'	2178
11	55°25.0'	2505	25°31.4'	2183	29°45.2'	2480	20°51.0'	2751	54°36.9'	2182
12	55°58.7'	2509	26°07.7'	2187	30°19.1'	2481	20°19.1'	2789	54°00.6'	2186
13	56°32.4'	2513	26°43.9'	2191	30°52.9'	2483	19°47.5'	2829	53°24.4'	2191
14	57°06.0'	2518	27°20.2'	2195	31°26.8'	2485	19°16.3'	2874	52°48.1'	2195
15	57°39.6'	2522	27°56.4'	2200	32°00.7'	2487	18°45.3'	2922	52°11.9'	2199
16	58°13.2'	2527	28°32.5'	2204	32°34.5'	2489	18°14.7'	2974	51°35.8'	2204
17	58°46.7'	2531	29°08.6'	2209	33°08.3'	2492	17°44.4'	3031	50°59.6'	2208
18	59°20.2'	2536	29°44.7'	2213	33°42.1'	2494	17°14.6'	3093	50°23.6'	2213
19	59°53.7'	2540	30°20.8'	2218	34°15.9'	2497	16°45.1'	3162	49°47.5'	2217
20	60°27.1'	2545	30°56.8'	2222	34°49.7'	2500	16°16.2'	3237	49°11.5'	2222
21	61°00.5'	2550	31°32.7'	2227	35°23.4'	2503	15°47.7'	3321	48°35.5'	2226
22	61°33.9'	2555	32°08.7'	2231	35°57.1'	2506	15°19.8'	3413	47°59.6'	2231
23	62°07.2'	2559	32°44.6'	2236	36°30.8'	2509	14°52.4'	3516	47°23.7'	2236