

Sun Jan 1, 2017 UTC

UTC	–Venus		–Mars		–Aldebaran	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	16°00.9'	3163	27°49.4'	3014	118°14.5'	2750
1	15°31.9'	3162	27°19.4'	3011	117°42.7'	2747
2	15°03.0'	3161	26°49.4'	3008	117°10.8'	2745
3	14°34.0'	3160	26°19.4'	3005	116°38.9'	2742
4	14°05.0'	3160	25°49.4'	3002	116°07.0'	2739
5	13°36.0'	3160	25°19.3'	2999	115°35.1'	2736
6	13°07.0'	3160	24°49.2'	2996	115°03.1'	2733
7	12°38.0'	3160	24°19.1'	2993	114°31.1'	2731
8	12°09.1'	3161	23°49.0'	2990	113°59.1'	2728
9	11°40.1'	3163	23°18.9'	2987	113°27.1'	2725
10	11°11.1'	3165	22°48.7'	2984	112°55.1'	2722
11	10°42.2'	3167	22°18.5'	2981	112°23.0'	2719
12	10°13.2'	3171	21°48.3'	2978	111°50.9'	2716
13	9°44.3'	3176	21°18.1'	2975	111°18.8'	2714
14	9°15.4'	3182	20°47.9'	2972	110°46.7'	2711
15	8°46.6'	3190	20°17.6'	2969	110°14.6'	2708
16	8°17.8'	3200	19°47.3'	2966	109°42.4'	2705
17	7°49.1'	3212	19°17.0'	2963	109°10.2'	2702
18	7°20.5'	3228	18°46.7'	2960	108°38.0'	2699
19	6°51.9'	3248	18°16.3'	2957	108°05.8'	2696
20	6°23.5'	3274	17°46.0'	2954	107°33.5'	2693
21	5°55.3'	3308	17°15.6'	2951	107°01.3'	2691
22	5°27.3'	3353	16°45.2'	2948	106°29.0'	2688
23	4°59.6'	3413	16°14.7'	2945	105°56.7'	2685

Mon Jan 2, 2017 UTC

UTC	+Sun		–Mars		–Venus		–Aldebaran		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	42°52.2'	3064	15°44.3'	2942	4°32.2'	3496	105°24.3'	2682	35°40.7'	4561
1	43°21.8'	3060	15°13.8'	2939	4°05.4'	3614	104°52.0'	2679	36°01.7'	4508
2	43°51.5'	3056	14°43.3'	2935	–	–	104°19.6'	2676	36°22.9'	4458
3	44°21.2'	3053	14°12.8'	2932	–	–	103°47.2'	2673	36°44.4'	4409
4	44°50.9'	3049	13°42.2'	2929	–	–	103°14.8'	2670	37°06.1'	4362
5	45°20.6'	3045	13°11.7'	2926	–	–	102°42.3'	2667	37°28.1'	4317
6	45°50.4'	3042	12°41.1'	2923	–	–	102°09.9'	2664	37°50.3'	4273
7	46°20.2'	3038	12°10.5'	2920	–	–	101°37.4'	2661	38°12.8'	4231
8	46°50.0'	3034	11°39.8'	2917	–	–	101°04.9'	2658	38°35.4'	4191
9	47°19.8'	3031	11°09.2'	2914	–	–	100°32.3'	2655	38°58.3'	4152
10	47°49.7'	3027	10°38.5'	2911	–	–	99°59.8'	2652	39°21.3'	4114
11	48°19.6'	3024	10°07.8'	2908	–	–	99°27.2'	2649	39°44.6'	4077
12	48°49.5'	3020	9°37.1'	2905	–	–	98°54.6'	2646	40°08.1'	4042
13	49°19.4'	3016	9°06.4'	2902	–	–	98°22.0'	2643	40°31.7'	4007
14	49°49.4'	3013	8°35.6'	2898	–	–	97°49.3'	2640	40°55.6'	3974
15	50°19.3'	3009	8°04.8'	2895	–	–	97°16.6'	2637	41°19.6'	3942
16	50°49.3'	3005	7°34.0'	2893	4°14.1'	3410	96°44.0'	2634	41°43.8'	3911
17	51°19.4'	3002	7°03.2'	2890	4°41.5'	3328	96°11.2'	2631	42°08.2'	3881
18	51°49.4'	2998	6°32.3'	2887	5°09.4'	3267	95°38.5'	2628	42°32.7'	3852
19	52°19.5'	2995	6°01.5'	2884	5°37.7'	3219	95°05.7'	2625	42°57.4'	3824
20	52°49.6'	2991	5°30.6'	2882	6°06.3'	3181	94°33.0'	2622	43°22.3'	3796
21	53°19.8'	2987	4°59.7'	2879	6°35.1'	3151	94°00.1'	2619	43°47.4'	3770
22	53°49.9'	2984	4°28.8'	2877	7°04.1'	3125	93°27.3'	2615	44°12.5'	3744
23	54°20.1'	2980	3°57.8'	2876	7°33.4'	3104	92°54.5'	2612	44°37.9'	3719

Tue Jan 3, 2017 UTC

UTC	+Sun		-Mars		+Venus		-Aldebaran		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	54°50.3'	2977	3°26.9'	2876	8°02.7'	3086	92°21.6'	2609	110°24.7'	2707
1	55°20.5'	2973	2°55.9'	2877	8°32.2'	3070	91°48.7'	2606	109°52.5'	2703
2	55°50.8'	2969	2°25.0'	2883	9°01.8'	3056	91°15.7'	2603	109°20.3'	2699
3	56°21.1'	2966	1°54.1'	2899	9°31.5'	3044	90°42.8'	2600	108°48.1'	2695
4	56°51.4'	2962	1°23.3'	2949	10°01.2'	3033	90°09.8'	2597	108°15.9'	2691
5	57°21.7'	2958	-	-	10°31.1'	3023	89°36.8'	2593	107°43.6'	2688
6	57°52.1'	2955	-	-	11°01.0'	3013	89°03.8'	2590	107°11.3'	2684
7	58°22.5'	2951	-	-	11°31.0'	3005	88°30.8'	2587	106°38.9'	2680
8	58°52.9'	2947	-	-	12°01.0'	2997	87°57.7'	2584	106°06.6'	2676
9	59°23.3'	2944	1°15.0'	2888	12°31.1'	2990	87°24.6'	2581	105°34.2'	2673
10	59°53.8'	2940	1°45.9'	2860	13°01.3'	2983	86°51.5'	2577	105°01.7'	2669
11	60°24.3'	2936	2°16.9'	2845	13°31.5'	2976	86°18.3'	2574	104°29.3'	2665
12	60°54.8'	2933	2°48.1'	2836	14°01.7'	2969	85°45.2'	2571	103°56.8'	2662
13	61°25.3'	2929	3°19.3'	2829	14°32.0'	2963	85°12.0'	2568	103°24.3'	2658
14	61°55.9'	2925	3°50.6'	2823	15°02.3'	2958	84°38.7'	2564	102°51.8'	2654
15	62°26.5'	2922	4°21.9'	2819	15°32.7'	2952	84°05.5'	2561	102°19.2'	2651
16	62°57.1'	2918	4°53.3'	2814	16°03.1'	2946	83°32.2'	2558	101°46.6'	2647
17	63°27.8'	2914	5°24.7'	2810	16°33.5'	2941	82°58.9'	2555	101°14.0'	2643
18	63°58.4'	2910	5°56.1'	2806	17°04.0'	2936	82°25.6'	2551	100°41.3'	2640
19	64°29.1'	2907	6°27.5'	2802	17°34.5'	2931	81°52.3'	2548	100°08.7'	2636
20	64°59.9'	2903	6°59.0'	2798	18°05.1'	2926	81°18.9'	2545	99°36.0'	2632
21	65°30.6'	2899	7°30.5'	2794	18°35.7'	2921	80°45.5'	2541	99°03.2'	2629
22	66°01.4'	2895	8°02.0'	2790	19°06.3'	2916	80°12.1'	2538	98°30.5'	2625
23	66°32.2'	2892	8°33.6'	2786	19°36.9'	2911	79°38.6'	2535	97°57.7'	2622

Wed Jan 4, 2017 UTC

UTC	+Sun		+Mars		+Venus		-Aldebaran		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	67°03.0'	2888	9°05.2'	2783	20°07.6'	2907	79°05.2'	2531	97°24.9'	2618
1	67°33.9'	2884	9°36.8'	2779	20°38.4'	2902	78°31.7'	2528	96°52.1'	2615
2	68°04.8'	2880	10°08.4'	2775	21°09.1'	2898	77°58.1'	2524	96°19.2'	2611
3	68°35.7'	2877	10°40.1'	2772	21°39.9'	2893	77°24.6'	2521	95°46.3'	2607
4	69°06.6'	2873	11°11.8'	2768	22°10.7'	2889	76°51.0'	2518	95°13.4'	2604
5	69°37.6'	2869	11°43.5'	2764	22°41.6'	2884	76°17.4'	2514	94°40.5'	2600
6	70°08.6'	2865	12°15.3'	2760	23°12.5'	2880	75°43.8'	2511	94°07.5'	2597
7	70°39.6'	2861	12°47.1'	2757	23°43.4'	2875	75°10.1'	2507	93°34.5'	2593
8	71°10.6'	2858	13°18.9'	2753	24°14.3'	2871	74°36.4'	2504	93°01.5'	2590
9	71°41.7'	2854	13°50.7'	2749	24°45.3'	2867	74°02.7'	2501	92°28.4'	2586
10	72°12.8'	2850	14°22.5'	2746	25°16.3'	2862	73°29.0'	2497	91°55.3'	2583
11	72°44.0'	2846	14°54.4'	2742	25°47.4'	2858	72°55.2'	2494	91°22.2'	2579
12	73°15.1'	2842	15°26.3'	2738	26°18.4'	2854	72°21.4'	2490	90°49.1'	2576
13	73°46.3'	2838	15°58.3'	2735	26°49.5'	2850	71°47.6'	2487	90°15.9'	2572
14	74°17.5'	2835	16°30.2'	2731	27°20.7'	2845	71°13.8'	2483	89°42.8'	2569
15	74°48.7'	2831	17°02.2'	2727	27°51.8'	2841	70°39.9'	2480	89°09.5'	2565
16	75°20.0'	2827	17°34.3'	2723	28°23.0'	2837	70°06.0'	2476	88°36.3'	2562
17	75°51.3'	2823	18°06.3'	2720	28°54.2'	2833	69°32.1'	2473	88°03.0'	2558
18	76°22.6'	2819	18°38.4'	2716	29°25.5'	2828	68°58.1'	2469	87°29.8'	2555
19	76°54.0'	2815	19°10.5'	2712	29°56.8'	2824	68°24.1'	2466	86°56.4'	2552
20	77°25.4'	2811	19°42.6'	2709	30°28.1'	2820	67°50.1'	2462	86°23.1'	2548
21	77°56.8'	2807	20°14.8'	2705	30°59.4'	2816	67°16.1'	2459	85°49.7'	2545
22	78°28.2'	2804	20°47.0'	2701	31°30.8'	2812	66°42.0'	2455	85°16.3'	2541
23	78°59.7'	2800	21°19.2'	2697	32°02.2'	2808	66°07.9'	2452	84°42.9'	2538

Thu Jan 5, 2017 UTC

UTC	+Sun		+Mars		+Venus		-Aldebaran		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	79°31.1'	2796	21°51.4'	2693	32°33.6'	2803	65°33.8'	2448	84°09.5'	2535
1	80°02.7'	2792	22°23.7'	2690	33°05.1'	2799	64°59.7'	2445	83°36.0'	2531
2	80°34.2'	2788	22°56.0'	2686	33°36.6'	2795	64°25.5'	2441	83°02.5'	2528
3	81°05.8'	2784	23°28.3'	2682	34°08.1'	2791	63°51.3'	2437	82°29.0'	2525
4	81°37.4'	2780	24°00.7'	2678	34°39.7'	2787	63°17.1'	2434	81°55.4'	2521
5	82°09.0'	2776	24°33.1'	2675	35°11.3'	2783	62°42.8'	2430	81°21.8'	2518
6	82°40.7'	2772	25°05.5'	2671	35°42.9'	2779	62°08.5'	2427	80°48.2'	2515
7	83°12.4'	2768	25°37.9'	2667	36°14.5'	2775	61°34.2'	2423	80°14.6'	2511
8	83°44.1'	2765	26°10.4'	2663	36°46.2'	2770	60°59.9'	2420	79°41.0'	2508
9	84°15.8'	2761	26°42.9'	2659	37°17.9'	2766	60°25.5'	2416	79°07.3'	2505
10	84°47.6'	2757	27°15.4'	2656	37°49.6'	2762	59°51.1'	2412	78°33.6'	2502
11	85°19.4'	2753	27°47.9'	2652	38°21.4'	2758	59°16.7'	2409	77°59.9'	2498
12	85°51.3'	2749	28°20.5'	2648	38°53.2'	2754	58°42.2'	2405	77°26.1'	2495
13	86°23.1'	2745	28°53.1'	2644	39°25.0'	2750	58°07.7'	2402	76°52.3'	2492
14	86°55.0'	2741	29°25.8'	2640	39°56.9'	2746	57°33.2'	2398	76°18.5'	2489
15	87°26.9'	2737	29°58.4'	2637	40°28.7'	2742	56°58.7'	2394	75°44.7'	2486
16	87°58.9'	2733	30°31.1'	2633	41°00.7'	2738	56°24.1'	2391	75°10.8'	2483
17	88°30.8'	2729	31°03.9'	2629	41°32.6'	2733	55°49.5'	2387	74°37.0'	2480
18	89°02.9'	2725	31°36.6'	2625	42°04.6'	2729	55°14.9'	2384	74°03.1'	2476
19	89°34.9'	2721	32°09.4'	2621	42°36.6'	2725	54°40.2'	2380	73°29.1'	2473
20	90°07.0'	2717	32°42.2'	2617	43°08.6'	2721	54°05.5'	2376	72°55.2'	2470
21	90°39.0'	2714	33°15.1'	2614	43°40.7'	2717	53°30.8'	2373	72°21.2'	2467
22	91°11.2'	2710	33°47.9'	2610	44°12.8'	2713	52°56.1'	2369	71°47.2'	2464
23	91°43.3'	2706	34°20.8'	2606	44°44.9'	2709	52°21.3'	2366	71°13.2'	2462

Fri Jan 6, 2017 UTC

UTC	+Sun		-Aldebaran		+Mars		+Venus		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	92°15.5'	2702	51°46.5'	2362	34°53.7'	2602	45°17.1'	2705	70°39.2'	2459
1	92°47.7'	2698	51°11.7'	2358	35°26.7'	2598	45°49.2'	2701	70°05.1'	2456
2	93°19.9'	2694	50°36.8'	2355	35°59.7'	2595	46°21.5'	2697	69°31.0'	2453
3	93°52.2'	2690	50°01.9'	2351	36°32.7'	2591	46°53.7'	2693	68°56.9'	2450
4	94°24.5'	2686	49°27.0'	2348	37°05.7'	2587	47°26.0'	2689	68°22.8'	2447
5	94°56.8'	2682	48°52.1'	2344	37°38.8'	2583	47°58.3'	2685	67°48.6'	2445
6	95°29.2'	2679	48°17.1'	2341	38°11.9'	2580	48°30.6'	2681	67°14.5'	2442
7	96°01.6'	2675	47°42.1'	2337	38°45.0'	2576	49°03.0'	2677	66°40.3'	2439
8	96°34.0'	2671	47°07.1'	2333	39°18.2'	2572	49°35.4'	2673	66°06.0'	2437
9	97°06.4'	2667	46°32.0'	2330	39°51.4'	2568	50°07.8'	2669	65°31.8'	2434
10	97°38.9'	2663	45°56.9'	2326	40°24.6'	2564	50°40.3'	2665	64°57.6'	2431
11	98°11.4'	2659	45°21.8'	2323	40°57.8'	2561	51°12.7'	2661	64°23.3'	2429
12	98°43.9'	2656	44°46.7'	2319	41°31.1'	2557	51°45.3'	2657	63°49.0'	2426
13	99°16.4'	2652	44°11.5'	2316	42°04.4'	2553	52°17.8'	2653	63°14.7'	2424
14	99°49.0'	2648	43°36.3'	2312	42°37.7'	2550	52°50.4'	2649	62°40.3'	2422
15	100°21.6'	2644	43°01.1'	2309	43°11.1'	2546	53°23.0'	2645	62°06.0'	2419
16	100°54.3'	2640	42°25.8'	2305	43°44.5'	2542	53°55.6'	2641	61°31.6'	2417
17	101°26.9'	2637	41°50.5'	2302	44°17.9'	2538	54°28.3'	2637	60°57.2'	2415
18	101°59.6'	2633	41°15.2'	2298	44°51.3'	2535	55°01.0'	2633	60°22.8'	2413
19	102°32.4'	2629	40°39.9'	2295	45°24.8'	2531	55°33.7'	2629	59°48.4'	2411
20	103°05.1'	2626	40°04.5'	2291	45°58.3'	2528	56°06.4'	2626	59°13.9'	2409
21	103°37.9'	2622	39°29.1'	2288	46°31.8'	2524	56°39.2'	2622	58°39.5'	2407
22	104°10.7'	2618	38°53.7'	2285	47°05.4'	2520	57°12.0'	2618	58°05.0'	2405
23	104°43.5'	2615	38°18.2'	2281	47°39.0'	2517	57°44.9'	2614	57°30.5'	2403

Sat Jan 7, 2017 UTC

UTC	+Sun		-Aldebaran		-Betelgeuse		+Mars		+Venus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	105°16.4'	2611	37°42.7'	2278	56°56.0'	2401	48°12.6'	2513	58°17.7'	2610
1	105°49.3'	2607	37°07.2'	2274	56°21.5'	2400	48°46.2'	2509	58°50.6'	2607
2	106°22.2'	2604	36°31.7'	2271	55°47.0'	2398	49°19.9'	2506	59°23.5'	2603
3	106°55.1'	2600	35°56.1'	2268	55°12.4'	2397	49°53.6'	2502	59°56.5'	2599
4	107°28.1'	2597	35°20.5'	2264	54°37.9'	2395	50°27.3'	2499	60°29.5'	2595
5	108°01.1'	2593	34°44.9'	2261	54°03.3'	2394	51°01.1'	2495	61°02.5'	2592
6	108°34.1'	2590	34°09.2'	2258	53°28.7'	2393	51°34.8'	2492	61°35.5'	2588
7	109°07.2'	2586	33°33.6'	2255	52°54.2'	2391	52°08.6'	2488	62°08.6'	2584
8	109°40.3'	2583	32°57.9'	2251	52°19.6'	2390	52°42.5'	2485	62°41.7'	2581
9	110°13.4'	2579	32°22.1'	2248	51°45.0'	2390	53°16.3'	2482	63°14.8'	2577
10	110°46.5'	2576	31°46.4'	2245	51°10.3'	2389	53°50.2'	2478	63°47.9'	2573
11	111°19.7'	2572	31°10.6'	2242	50°35.7'	2388	54°24.1'	2475	64°21.1'	2570
12	111°52.9'	2569	30°34.8'	2239	50°01.1'	2387	54°58.1'	2471	64°54.3'	2566
13	112°26.1'	2566	29°58.9'	2235	49°26.5'	2387	55°32.0'	2468	65°27.5'	2563
14	112°59.3'	2562	29°23.1'	2232	48°51.9'	2387	56°06.0'	2465	66°00.8'	2559
15	113°32.6'	2559	28°47.2'	2229	48°17.2'	2386	56°40.0'	2462	66°34.1'	2556
16	114°05.8'	2556	28°11.3'	2226	47°42.6'	2386	57°14.1'	2458	67°07.4'	2553
17	114°39.1'	2553	27°35.3'	2223	47°07.9'	2386	57°48.1'	2455	67°40.7'	2549
18	115°12.5'	2549	26°59.4'	2220	46°33.3'	2387	58°22.2'	2452	68°14.1'	2546
19	115°45.8'	2546	26°23.4'	2217	45°58.7'	2387	58°56.3'	2449	68°47.5'	2542
20	116°19.2'	2543	25°47.4'	2214	45°24.1'	2388	59°30.5'	2446	69°20.9'	2539
21	116°52.6'	2540	25°11.4'	2211	44°49.4'	2389	60°04.6'	2442	69°54.3'	2536
22	117°26.1'	2537	24°35.3'	2208	44°14.8'	2389	60°38.8'	2439	70°27.8'	2533
23	117°59.5'	2534	23°59.2'	2205	43°40.2'	2391	61°13.0'	2436	71°01.3'	2529

Sun Jan 8, 2017 UTC

UTC	+Sun		-Aldebaran		-Betelgeuse		-Pollux		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	118°33.0'	2531	23°23.1'	2203	43°05.6'	2392	67°46.3'	2281	61°47.3'	2433
1	119°06.5'	2528	22°47.0'	2200	42°31.0'	2394	67°10.8'	2279	62°21.5'	2430
2	119°40.0'	2525	22°10.8'	2197	41°56.4'	2395	66°35.3'	2277	62°55.8'	2427
3	120°13.6'	2522	21°34.6'	2194	41°21.9'	2397	65°59.8'	2275	63°30.1'	2424
4	120°47.1'	2519	20°58.4'	2192	40°47.3'	2400	65°24.2'	2273	64°04.5'	2422
5	121°20.7'	2517	20°22.2'	2189	40°12.8'	2402	64°48.7'	2271	64°38.8'	2419
6	121°54.3'	2514	19°46.0'	2186	39°38.3'	2405	64°13.1'	2269	65°13.2'	2416
7	122°28.0'	2511	19°09.7'	2184	39°03.8'	2408	63°37.5'	2267	65°47.6'	2413
8	123°01.6'	2508	18°33.4'	2181	38°29.3'	2412	63°01.9'	2266	66°22.0'	2410
9	123°35.3'	2506	17°57.1'	2179	37°54.9'	2416	62°26.3'	2264	66°56.5'	2408
10	124°09.0'	2503	17°20.8'	2176	37°20.5'	2420	61°50.7'	2262	67°30.9'	2405
11	124°42.7'	2501	16°44.4'	2174	36°46.1'	2424	61°15.1'	2261	68°05.4'	2402
12	125°16.5'	2498	16°08.0'	2171	36°11.8'	2429	60°39.4'	2259	68°39.9'	2400
13	125°50.2'	2496	15°31.6'	2169	35°37.5'	2435	60°03.7'	2258	69°14.5'	2397
14	126°24.0'	2493	14°55.2'	2167	35°03.3'	2441	59°28.1'	2257	69°49.0'	2395
15	126°57.8'	2491	14°18.8'	2165	34°29.1'	2447	58°52.4'	2256	70°23.6'	2392
16	127°31.6'	2489	13°42.4'	2163	33°54.9'	2454	58°16.7'	2255	70°58.2'	2390
17	128°05.4'	2487	13°05.9'	2160	33°20.8'	2461	57°41.0'	2254	71°32.8'	2388
18	128°39.3'	2484	12°29.4'	2158	32°46.8'	2469	57°05.3'	2253	72°07.4'	2385
19	129°13.1'	2482	11°52.9'	2156	32°12.8'	2478	56°29.6'	2252	72°42.0'	2383
20	129°47.0'	2480	11°16.4'	2155	31°38.9'	2487	55°53.8'	2251	73°16.7'	2381
21	130°20.9'	2478	10°39.9'	2153	31°05.0'	2497	55°18.1'	2251	73°51.4'	2379
22	130°54.8'	2476	10°03.3'	2151	30°31.3'	2508	54°42.4'	2250	74°26.1'	2376
23	131°28.7'	2474	9°26.7'	2149	29°57.6'	2519	54°06.6'	2250	75°00.8'	2374

Mon Jan 9, 2017 UTC

UTC	−Aldebaran		−Betelgeuse		−Pollux		−Procyon		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	8°50.2'	2148	29°24.0'	2532	53°30.9'	2250	54°51.4'	2311	75°35.5'	2372
1	8°13.6'	2147	28°50.5'	2545	52°55.2'	2249	54°16.1'	2312	76°10.3'	2370
2	7°37.0'	2146	28°17.1'	2560	52°19.4'	2249	53°40.9'	2313	76°45.0'	2368
3	7°00.4'	2145	27°43.8'	2575	51°43.7'	2249	53°05.7'	2314	77°19.8'	2366
4	6°23.8'	2144	27°10.7'	2592	51°07.9'	2249	52°30.4'	2315	77°54.6'	2365
5	5°47.1'	2144	26°37.6'	2610	50°32.2'	2250	51°55.2'	2316	78°29.4'	2363
6	5°10.5'	2145	26°04.7'	2630	49°56.4'	2250	51°20.0'	2317	79°04.2'	2361
7	4°33.9'	2147	25°32.0'	2651	49°20.7'	2251	50°44.8'	2319	79°39.1'	2359
8	3°57.3'	2151	24°59.4'	2674	48°45.0'	2251	50°09.7'	2321	80°13.9'	2358
9	3°20.7'	2159	24°27.0'	2699	48°09.2'	2252	49°34.5'	2323	80°48.8'	2356
10	2°44.2'	2175	23°54.8'	2725	47°33.5'	2253	48°59.4'	2325	81°23.7'	2355
11	2°07.9'	2212	23°22.7'	2755	46°57.8'	2254	48°24.2'	2328	81°58.6'	2353
12	–	–	22°50.9'	2786	46°22.1'	2256	47°49.1'	2330	82°33.5'	2352
13	–	–	22°19.3'	2820	45°46.4'	2257	47°14.0'	2333	83°08.4'	2351
14	–	–	21°48.0'	2858	45°10.7'	2259	46°39.0'	2336	83°43.3'	2349
15	–	–	21°16.9'	2898	44°35.1'	2261	46°03.9'	2339	84°18.2'	2348
16	–	–	20°46.1'	2943	43°59.4'	2263	45°28.9'	2343	84°53.2'	2347
17	1°37.1'	2196	20°15.6'	2991	43°23.8'	2265	44°53.9'	2347	85°28.1'	2346
18	2°13.2'	2162	19°45.5'	3044	42°48.2'	2267	44°19.0'	2351	86°03.1'	2345
19	2°49.7'	2145	19°15.7'	3102	42°12.6'	2270	43°44.1'	2355	86°38.0'	2344
20	3°26.3'	2136	18°46.4'	3166	41°37.0'	2273	43°09.2'	2360	87°13.0'	2343
21	4°03.0'	2130	18°17.4'	3237	41°01.4'	2276	42°34.3'	2365	87°48.0'	2342
22	4°39.8'	2126	17°49.0'	3314	40°25.9'	2279	41°59.5'	2370	88°23.0'	2341
23	5°16.5'	2123	17°21.0'	3400	39°50.4'	2283	41°24.8'	2376	88°58.0'	2340

Tue Jan 10, 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	5°53.3'	2120	39°14.9'	2286	40°50.0'	2382	74°14.8'	2114	89°33.0'	2340
1	6°30.2'	2119	38°39.5'	2291	40°15.4'	2388	73°38.0'	2113	90°08.0'	2339
2	7°07.0'	2117	38°04.1'	2295	39°40.7'	2395	73°01.1'	2113	90°43.0'	2338
3	7°43.8'	2116	37°28.7'	2300	39°06.2'	2402	72°24.2'	2112	91°18.0'	2338
4	8°20.7'	2115	36°53.4'	2305	38°31.7'	2409	71°47.3'	2112	91°53.1'	2338
5	8°57.6'	2114	36°18.1'	2310	37°57.2'	2417	71°10.4'	2111	92°28.1'	2337
6	9°34.5'	2113	35°42.8'	2316	37°22.8'	2426	70°33.5'	2111	93°03.1'	2337
7	10°11.3'	2113	35°07.6'	2322	36°48.5'	2435	69°56.6'	2111	93°38.2'	2337
8	10°48.2'	2112	34°32.5'	2329	36°14.2'	2444	69°19.7'	2111	94°13.2'	2336
9	11°25.1'	2112	33°57.4'	2335	35°40.1'	2454	68°42.8'	2111	94°48.2'	2336
10	12°02.0'	2112	33°22.3'	2343	35°06.0'	2465	68°05.9'	2111	95°23.3'	2336
11	12°38.9'	2112	32°47.4'	2351	34°31.9'	2476	67°29.0'	2111	95°58.3'	2336
12	13°15.8'	2112	32°12.4'	2359	33°58.0'	2488	66°52.1'	2111	96°33.3'	2336
13	13°52.7'	2112	31°37.6'	2368	33°24.2'	2501	66°15.2'	2111	97°08.4'	2337
14	14°29.6'	2112	31°02.8'	2378	32°50.5'	2514	65°38.3'	2111	97°43.4'	2337
15	15°06.5'	2112	30°28.1'	2388	32°16.8'	2529	65°01.4'	2111	98°18.4'	2337
16	15°43.4'	2112	29°53.5'	2399	31°43.3'	2544	64°24.5'	2112	98°53.5'	2337
17	16°20.3'	2113	29°18.9'	2411	31°09.9'	2560	63°47.6'	2112	99°28.5'	2338
18	16°57.2'	2113	28°44.5'	2423	30°36.6'	2577	63°10.7'	2113	100°03.5'	2338
19	17°34.0'	2114	28°10.2'	2436	30°03.5'	2595	62°33.8'	2113	100°38.5'	2339
20	18°10.9'	2114	27°35.9'	2450	29°30.5'	2614	61°56.9'	2114	101°13.5'	2340
21	18°47.8'	2115	27°01.8'	2466	28°57.6'	2635	61°20.0'	2115	101°48.6'	2340
22	19°24.7'	2115	26°27.8'	2482	28°24.9'	2657	60°43.2'	2115	102°23.6'	2341
23	20°01.5'	2116	25°53.9'	2499	27°52.3'	2680	60°06.3'	2116	102°58.6'	2342

Wed Jan 11, 2017 UTC

UTC	+Aldebaran		-Pollux		-Regulus		-Procyon		-Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	20°38.4'	2117	25°20.2'	2518	59°29.4'	2117	27°20.0'	2705	111°22.5'	2145
1	21°15.2'	2118	24°46.5'	2538	58°52.6'	2118	26°47.8'	2732	110°45.9'	2145
2	21°52.1'	2119	24°13.1'	2559	58°15.8'	2119	26°15.8'	2760	110°09.3'	2146
3	22°28.9'	2120	23°39.8'	2583	57°38.9'	2120	25°44.0'	2790	109°32.7'	2147
4	23°05.7'	2121	23°06.7'	2608	57°02.1'	2121	25°12.5'	2823	108°56.1'	2148
5	23°42.6'	2122	22°33.8'	2635	56°25.3'	2122	24°41.1'	2858	108°19.5'	2150
6	24°19.4'	2123	22°01.1'	2664	55°48.5'	2124	24°10.1'	2895	107°43.0'	2151
7	24°56.2'	2125	21°28.6'	2696	55°11.7'	2125	23°39.3'	2936	107°06.4'	2152
8	25°33.0'	2126	20°56.3'	2730	54°34.9'	2126	23°08.7'	2979	106°29.8'	2153
9	26°09.7'	2128	20°24.3'	2767	53°58.1'	2128	22°38.5'	3026	105°53.3'	2155
10	26°46.5'	2129	19°52.6'	2808	53°21.4'	2130	22°08.6'	3076	105°16.8'	2156
11	27°23.2'	2131	19°21.2'	2852	52°44.6'	2131	21°39.1'	3131	104°40.2'	2158
12	27°60.0'	2132	18°50.1'	2901	52°07.9'	2133	21°09.9'	3190	104°03.7'	2160
13	28°36.7'	2134	18°19.3'	2954	51°31.2'	2135	20°41.1'	3254	103°27.2'	2161
14	29°13.4'	2136	17°48.9'	3013	50°54.5'	2136	20°12.8'	3323	102°50.8'	2163
15	29°50.1'	2138	17°18.9'	3077	50°17.8'	2138	19°44.8'	3399	102°14.3'	2165
16	30°26.8'	2140	16°49.4'	3148	49°41.1'	2140	19°17.4'	3481	101°37.9'	2167
17	31°03.4'	2142	16°20.3'	3227	49°04.5'	2142	18°50.5'	3571	101°01.4'	2169
18	31°40.1'	2144	15°51.8'	3315	48°27.8'	2144	18°24.1'	3670	100°25.0'	2171
19	32°16.7'	2146	15°23.8'	3413	47°51.2'	2146	17°58.3'	3778	99°48.6'	2173
20	32°53.3'	2148	14°56.5'	3522	47°14.6'	2149	17°33.2'	3897	99°12.2'	2175
21	33°29.9'	2150	14°29.8'	3644	46°38.0'	2151	17°08.8'	4028	98°35.9'	2177
22	34°06.4'	2153	-	-	46°01.5'	2153	16°45.0'	4173	97°59.5'	2180
23	34°43.0'	2155	-	-	45°24.9'	2156	-	-	97°23.2'	2182

Thu Jan 12, 2017 UTC

UTC	+Aldebaran		-Regulus		+Betelgeuse		-Jupiter		-Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	35°19.5'	2158	44°48.4'	2158	20°13.6'	2983	96°46.9'	2184	98°28.2'	2182
1	35°56.0'	2160	44°11.9'	2161	20°43.8'	2940	96°10.6'	2187	97°51.9'	2184
2	36°32.5'	2163	43°35.4'	2163	21°14.2'	2901	95°34.4'	2189	97°15.6'	2187
3	37°09.0'	2165	42°58.9'	2166	21°45.0'	2866	94°58.1'	2192	96°39.4'	2189
4	37°45.4'	2168	42°22.5'	2169	22°16.0'	2833	94°21.9'	2195	96°03.1'	2192
5	38°21.9'	2171	41°46.1'	2172	22°47.3'	2803	93°45.7'	2198	95°26.9'	2195
6	38°58.3'	2174	41°09.7'	2175	23°18.7'	2775	93°09.5'	2200	94°50.7'	2197
7	39°34.6'	2177	40°33.3'	2177	23°50.4'	2750	92°33.4'	2203	94°14.5'	2200
8	40°11.0'	2179	39°57.0'	2180	24°22.3'	2726	91°57.2'	2206	93°38.4'	2203
9	40°47.3'	2183	39°20.7'	2183	24°54.3'	2705	91°21.1'	2209	93°02.2'	2206
10	41°23.6'	2186	38°44.4'	2187	25°26.5'	2685	90°45.1'	2212	92°26.1'	2209
11	41°59.9'	2189	38°08.1'	2190	25°58.8'	2667	90°09.0'	2215	91°50.1'	2213
12	42°36.1'	2192	37°31.9'	2193	26°31.3'	2651	89°33.0'	2219	91°14.0'	2216
13	43°12.3'	2195	36°55.7'	2196	27°03.9'	2635	88°57.0'	2222	90°38.0'	2219
14	43°48.5'	2199	36°19.5'	2200	27°36.6'	2621	88°21.0'	2225	90°02.0'	2222
15	44°24.7'	2202	35°43.3'	2203	28°09.4'	2608	87°45.1'	2229	89°26.0'	2226
16	45°00.8'	2205	35°07.2'	2207	28°42.3'	2596	87°09.2'	2232	88°50.1'	2229
17	45°36.9'	2209	34°31.1'	2210	29°15.3'	2586	86°33.3'	2236	88°14.2'	2233
18	46°13.0'	2212	33°55.0'	2214	29°48.4'	2576	85°57.4'	2239	87°38.3'	2236
19	46°49.1'	2216	33°19.0'	2217	30°21.5'	2566	85°21.6'	2243	87°02.4'	2240
20	47°25.1'	2220	32°43.0'	2221	30°54.8'	2558	84°45.8'	2246	86°26.6'	2244
21	48°01.1'	2224	32°07.0'	2225	31°28.1'	2550	84°10.0'	2250	85°50.8'	2247
22	48°37.0'	2227	31°31.1'	2229	32°01.4'	2543	83°34.3'	2254	85°15.1'	2251
23	49°13.0'	2231	30°55.1'	2233	32°34.8'	2537	82°58.6'	2258	84°39.3'	2255

Fri Jan 13, 2017 UTC

UTC	−Regulus		+Aldebaran		+Betelgeuse		−Jupiter		−Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	30°19.3′	2237	49°48.9′	2235	33°08.3′	2531	82°22.9′	2262	84°03.6′	2259
1	29°43.4′	2241	50°24.7′	2239	33°41.8′	2526	81°47.2′	2266	83°28.0′	2263
2	29°07.6′	2245	51°00.6′	2243	34°15.3′	2521	81°11.6′	2270	82°52.4′	2267
3	28°31.8′	2249	51°36.4′	2247	34°48.9′	2517	80°36.1′	2274	82°16.8′	2271
4	27°56.1′	2253	52°12.1′	2251	35°22.5′	2513	80°00.5′	2278	81°41.2′	2276
5	27°20.4′	2257	52°47.8′	2255	35°56.1′	2510	79°25.0′	2282	81°05.7′	2280
6	26°44.7′	2262	53°23.5′	2260	36°29.8′	2507	78°49.5′	2286	80°30.2′	2284
7	26°09.0′	2266	53°59.2′	2264	37°03.5′	2505	78°14.1′	2290	79°54.7′	2289
8	25°33.4′	2270	54°34.8′	2268	37°37.2′	2503	77°38.7′	2295	79°19.3′	2293
9	24°57.9′	2275	55°10.4′	2272	38°10.9′	2501	77°03.3′	2299	78°43.9′	2297
10	24°22.3′	2279	55°46.0′	2277	38°44.6′	2500	76°28.0′	2304	78°08.5′	2302
11	23°46.8′	2284	56°21.5′	2281	39°18.4′	2498	75°52.7′	2308	77°33.2′	2306
12	23°11.4′	2289	56°57.0′	2286	39°52.1′	2498	75°17.4′	2313	76°57.9′	2311
13	22°35.9′	2293	57°32.4′	2290	40°25.9′	2497	74°42.2′	2317	76°22.7′	2316
14	22°00.5′	2298	58°07.8′	2295	40°59.6′	2497	74°07.0′	2322	75°47.5′	2321
15	21°25.2′	2303	58°43.2′	2300	41°33.4′	2497	73°31.8′	2326	75°12.3′	2325
16	20°49.9′	2308	59°18.5′	2304	42°07.2′	2497	72°56.7′	2331	74°37.2′	2330
17	20°14.6′	2313	59°53.8′	2309	42°40.9′	2498	72°21.6′	2336	74°02.1′	2335
18	19°39.4′	2318	60°29.1′	2314	43°14.7′	2498	71°46.6′	2341	73°27.1′	2340
19	19°04.2′	2323	61°04.3′	2319	43°48.4′	2499	71°11.6′	2345	72°52.1′	2345
20	18°29.1′	2328	61°39.5′	2323	44°22.2′	2500	70°36.6′	2350	72°17.1′	2350
21	17°54.0′	2333	62°14.6′	2328	44°55.9′	2502	70°01.7′	2355	71°42.2′	2355
22	17°18.9′	2338	62°49.7′	2333	45°29.7′	2503	69°26.8′	2360	71°07.3′	2360
23	16°43.9′	2344	63°24.8′	2338	46°03.4′	2505	68°52.0′	2365	70°32.5′	2365

Sat Jan 14, 2017 UTC

UTC	−Regulus		+Betelgeuse		+Pollux		+Aldebaran		−Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	16°08.9′	2349	46°37.1′	2506	22°14.5′	2846	63°59.8′	2343	68°17.2′	2370
1	15°34.0′	2354	47°10.8′	2508	22°45.7′	2827	64°34.8′	2348	67°42.4′	2375
2	14°59.1′	2360	47°44.4′	2511	23°17.0′	2810	65°09.7′	2353	67°07.7′	2380
3	14°24.2′	2366	48°18.1′	2513	23°48.4′	2795	65°44.6′	2358	66°33.0′	2385
4	13°49.4′	2371	48°51.7′	2515	24°19.9′	2781	66°19.5′	2364	65°58.3′	2391
5	13°14.7′	2377	49°25.4′	2518	24°51.6′	2768	66°54.3′	2369	65°23.7′	2396
6	12°40.0′	2383	49°59.0′	2520	25°23.3′	2756	67°29.1′	2374	64°49.2′	2401
7	12°05.3′	2389	50°32.6′	2523	25°55.1′	2746	68°03.8′	2379	64°14.7′	2406
8	11°30.7′	2396	51°06.1′	2526	26°27.0′	2737	68°38.5′	2384	63°40.2′	2412
9	10°56.1′	2402	51°39.6′	2529	26°58.9′	2728	69°13.2′	2390	63°05.8′	2417
10	10°21.6′	2409	52°13.2′	2532	27°30.9′	2721	69°47.8′	2395	62°31.4′	2422
11	9°47.2′	2416	52°46.7′	2536	28°03.0′	2714	70°22.3′	2400	61°57.0′	2428
12	9°12.8′	2424	53°20.1′	2539	28°35.1′	2708	70°56.9′	2406	61°22.7′	2433
13	8°38.4′	2432	53°53.6′	2542	29°07.3′	2703	71°31.3′	2411	60°48.5′	2439
14	8°04.2′	2440	54°27.0′	2546	29°39.5′	2698	72°05.8′	2417	60°14.2′	2444
15	7°29.9′	2449	55°00.4′	2550	30°11.7′	2694	72°40.2′	2422	59°40.1′	2450
16	6°55.8′	2460	55°33.7′	2553	30°44.0′	2691	73°14.5′	2428	59°05.9′	2455
17	6°21.8′	2472	56°07.0′	2557	31°16.3′	2688	73°48.8′	2433	58°31.8′	2461
18	5°47.8′	2486	56°40.3′	2561	31°48.6′	2685	74°23.1′	2439	57°57.8′	2466
19	5°13.9′	2503	57°13.6′	2565	32°20.9′	2683	74°57.3′	2444	57°23.8′	2472
20	4°40.2′	2524	57°46.8′	2569	32°53.3′	2681	75°31.5′	2450	56°49.8′	2478
21	4°06.7′	2554	58°20.1′	2573	33°25.6′	2680	76°05.6′	2455	56°15.9′	2483
22	3°33.3′	2597	58°53.2′	2577	33°58.0′	2679	76°39.7′	2461	55°42.0′	2489
23	3°00.3′	2666	59°26.4′	2582	34°30.4′	2679	77°13.8′	2466	55°08.2′	2495

Sun Jan 15, 2017 UTC

UTC	+Pollux		-Jupiter		-Spica		+Procyon		+Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	35°02.8'	2678	54°34.4'	2500	56°15.5'	2507	34°57.9'	2819	59°59.5'	2586
1	35°35.1'	2678	54°00.7'	2506	55°41.8'	2513	35°29.2'	2815	60°32.6'	2590
2	36°07.5'	2679	53°27.0'	2512	55°08.2'	2520	36°00.6'	2812	61°05.6'	2595
3	36°39.9'	2679	52°53.4'	2518	54°34.6'	2526	36°32.0'	2809	61°38.6'	2599
4	37°12.3'	2680	52°19.8'	2523	54°01.0'	2532	37°03.4'	2806	62°11.6'	2604
5	37°44.6'	2681	51°46.2'	2529	53°27.5'	2538	37°34.9'	2804	62°44.5'	2608
6	38°17.0'	2683	51°12.7'	2535	52°54.1'	2544	38°06.3'	2802	63°17.4'	2613
7	38°49.4'	2684	50°39.2'	2541	52°20.7'	2551	38°37.8'	2801	63°50.3'	2618
8	39°21.7'	2686	50°05.8'	2547	51°47.4'	2557	39°09.3'	2800	64°23.2'	2623
9	39°54.0'	2688	49°32.4'	2553	51°14.1'	2563	39°40.8'	2799	64°56.0'	2627
10	40°26.3'	2690	48°59.1'	2558	50°40.8'	2570	40°12.3'	2798	65°28.7'	2632
11	40°58.6'	2692	48°25.8'	2564	50°07.6'	2576	40°43.8'	2798	66°01.5'	2637
12	41°30.9'	2694	47°52.5'	2570	49°34.4'	2583	41°15.3'	2798	66°34.1'	2642
13	42°03.2'	2697	47°19.3'	2576	49°01.3'	2589	41°46.8'	2798	67°06.8'	2647
14	42°35.4'	2699	46°46.2'	2582	48°28.3'	2596	42°18.3'	2799	67°39.4'	2652
15	43°07.7'	2702	46°13.1'	2588	47°55.3'	2602	42°49.8'	2799	68°12.0'	2657
16	43°39.9'	2705	45°40.0'	2594	47°22.3'	2609	43°21.3'	2800	68°44.5'	2662
17	44°12.1'	2708	45°07.0'	2600	46°49.4'	2615	43°52.7'	2801	69°17.1'	2667
18	44°44.2'	2711	44°34.0'	2606	46°16.6'	2622	44°24.2'	2802	69°49.5'	2672
19	45°16.4'	2714	44°01.1'	2612	45°43.8'	2629	44°55.7'	2804	70°22.0'	2677
20	45°48.5'	2718	43°28.2'	2618	45°11.0'	2635	45°27.2'	2805	70°54.3'	2682
21	46°20.6'	2721	42°55.4'	2624	44°38.3'	2642	45°58.6'	2807	71°26.7'	2687
22	46°52.6'	2724	42°22.6'	2629	44°05.7'	2649	46°30.0'	2809	71°59.0'	2692
23	47°24.7'	2728	41°49.8'	2635	43°33.0'	2656	47°01.5'	2811	72°31.3'	2698

Mon Jan 16, 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	11°04.8'	2621	41°17.1'	2641	43°00.5'	2663	47°56.7'	2732	47°32.9'	2813
1	11°37.6'	2626	40°44.5'	2647	42°28.0'	2669	48°28.7'	2735	48°04.3'	2815
2	12°10.3'	2631	40°11.8'	2653	41°55.5'	2676	49°00.6'	2739	48°35.7'	2818
3	12°43.1'	2636	39°39.3'	2659	41°23.1'	2683	49°32.6'	2743	49°07.0'	2820
4	13°15.8'	2641	39°06.7'	2665	40°50.8'	2690	50°04.5'	2747	49°38.4'	2823
5	13°48.5'	2646	38°34.3'	2671	40°18.5'	2697	50°36.4'	2751	50°09.7'	2826
6	14°21.1'	2651	38°01.8'	2677	39°46.3'	2704	51°08.2'	2755	50°41.0'	2828
7	14°53.7'	2656	37°29.4'	2683	39°14.1'	2711	51°40.0'	2759	51°12.3'	2831
8	15°26.2'	2661	36°57.1'	2689	38°41.9'	2719	52°11.8'	2763	51°43.5'	2834
9	15°58.7'	2667	36°24.8'	2695	38°09.9'	2726	52°43.6'	2767	52°14.8'	2837
10	16°31.2'	2672	35°52.5'	2701	37°37.8'	2733	53°15.3'	2771	52°46.0'	2840
11	17°03.6'	2677	35°20.3'	2707	37°05.8'	2740	53°47.0'	2775	53°17.2'	2844
12	17°36.0'	2683	34°48.1'	2713	36°33.9'	2748	54°18.7'	2780	53°48.4'	2847
13	18°08.4'	2688	34°16.0'	2719	36°02.1'	2755	54°50.3'	2784	54°19.5'	2850
14	18°40.7'	2693	33°43.9'	2725	35°30.2'	2763	55°21.9'	2788	54°50.6'	2854
15	19°13.0'	2699	33°11.9'	2731	34°58.5'	2770	55°53.5'	2793	55°21.7'	2857
16	19°45.2'	2704	32°39.9'	2737	34°26.8'	2778	56°25.0'	2797	55°52.8'	2861
17	20°17.4'	2710	32°08.0'	2743	33°55.1'	2786	56°56.5'	2801	56°23.9'	2864
18	20°49.5'	2715	31°36.1'	2749	33°23.5'	2794	57°28.0'	2806	56°54.9'	2868
19	21°21.6'	2720	31°04.2'	2755	32°52.0'	2802	57°59.5'	2810	57°25.9'	2871
20	21°53.7'	2726	30°32.4'	2761	32°20.5'	2810	58°30.9'	2815	57°56.9'	2875
21	22°25.7'	2731	30°00.6'	2767	31°49.1'	2818	59°02.3'	2819	58°27.8'	2879
22	22°57.7'	2736	29°28.9'	2773	31°17.7'	2826	59°33.6'	2824	58°58.7'	2883
23	23°29.7'	2742	28°57.2'	2779	30°46.4'	2834	60°04.9'	2828	59°29.6'	2886

Tue Jan 17, 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	24°01.6'	2747	28°25.5'	2785	30°15.2'	2843	60°36.2'	2832	60°00.5'	2890
1	24°33.5'	2752	27°54.0'	2791	29°44.0'	2851	61°07.5'	2837	60°31.3'	2894
2	25°05.3'	2757	27°22.4'	2797	29°12.9'	2860	61°38.7'	2841	61°02.1'	2898
3	25°37.1'	2763	26°50.9'	2803	28°41.9'	2869	62°09.9'	2846	61°32.9'	2902
4	26°08.9'	2768	26°19.4'	2809	28°10.9'	2878	62°41.0'	2850	62°03.7'	2906
5	26°40.6'	2773	25°48.0'	2815	27°39.9'	2888	63°12.2'	2855	62°34.4'	2910
6	27°12.3'	2778	25°16.6'	2822	27°09.1'	2897	63°43.2'	2859	63°05.1'	2914
7	27°43.9'	2783	24°45.3'	2828	26°38.3'	2907	64°14.3'	2864	63°35.8'	2918
8	28°15.5'	2788	24°14.0'	2834	26°07.6'	2917	64°45.3'	2868	64°06.5'	2921
9	28°47.1'	2793	23°42.8'	2840	25°36.9'	2927	65°16.3'	2873	64°37.1'	2925
10	29°18.7'	2798	23°11.6'	2846	25°06.3'	2937	65°47.3'	2877	65°07.7'	2929
11	29°50.2'	2804	22°40.4'	2853	24°35.8'	2948	66°18.2'	2882	65°38.2'	2933
12	30°21.6'	2809	22°09.3'	2859	24°05.4'	2960	66°49.1'	2886	66°08.8'	2937
13	30°53.0'	2813	21°38.2'	2866	23°35.0'	2971	67°20.0'	2890	66°39.3'	2941
14	31°24.4'	2818	21°07.2'	2872	23°04.8'	2983	67°50.8'	2895	67°09.8'	2945
15	31°55.8'	2823	20°36.3'	2879	22°34.6'	2995	68°21.7'	2899	67°40.2'	2949
16	32°27.1'	2828	20°05.3'	2886	22°04.5'	3008	68°52.4'	2904	68°10.6'	2953
17	32°58.4'	2833	19°34.5'	2892	21°34.5'	3022	69°23.2'	2908	68°41.0'	2957
18	33°29.6'	2838	19°03.6'	2899	21°04.5'	3036	69°53.9'	2912	69°11.4'	2961
19	34°00.9'	2843	18°32.9'	2907	20°34.7'	3051	70°24.6'	2917	69°41.7'	2965
20	34°32.0'	2847	18°02.1'	2914	20°05.0'	3066	70°55.2'	2921	70°12.0'	2969
21	35°03.2'	2852	17°31.5'	2921	19°35.4'	3082	71°25.9'	2925	70°42.3'	2973
22	35°34.3'	2857	17°00.8'	2929	19°05.9'	3099	71°56.5'	2930	71°12.6'	2977
23	36°05.4'	2861	16°30.3'	2937	18°36.5'	3117	72°27.0'	2934	71°42.8'	2981

Wed Jan 18, 2017 UTC

UTC	-Sun		-Jupiter		+Regulus		-Spica		-Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	111°25.7'	3244	15°59.8'	2945	36°36.4'	2866	18°07.2'	3137	63°45.1'	2944
1	110°57.2'	3249	15°29.3'	2954	37°07.4'	2871	17°38.1'	3157	63°14.6'	2949
2	110°28.8'	3253	14°58.9'	2963	37°38.4'	2875	17°09.1'	3179	62°44.2'	2954
3	110°00.5'	3258	14°28.6'	2972	38°09.4'	2880	16°40.2'	3203	62°13.8'	2960
4	109°32.1'	3263	13°58.3'	2982	38°40.3'	2884	16°11.5'	3228	61°43.5'	2965
5	109°03.8'	3268	13°28.1'	2992	39°11.2'	2888	15°43.0'	3255	61°13.2'	2970
6	108°35.6'	3272	12°58.0'	3004	39°42.0'	2893	15°14.6'	3284	60°42.9'	2975
7	108°07.3'	3277	12°28.0'	3016	40°12.9'	2897	14°46.4'	3316	60°12.6'	2981
8	107°39.1'	3282	11°58.0'	3029	40°43.6'	2901	14°18.5'	3351	59°42.4'	2986
9	107°10.9'	3286	11°28.1'	3043	41°14.4'	2906	13°50.8'	3390	59°12.3'	2991
10	106°42.8'	3291	10°58.3'	3058	41°45.1'	2910	13°23.3'	3432	58°42.1'	2996
11	106°14.7'	3295	10°28.7'	3075	42°15.8'	2914	12°56.0'	3478	58°12.0'	3001
12	105°46.6'	3300	9°59.1'	3094	42°46.5'	2918	12°29.1'	3530	57°42.0'	3006
13	105°18.5'	3304	9°29.7'	3116	43°17.2'	2922	12°02.5'	3588	57°11.9'	3012
14	104°50.5'	3308	9°00.4'	3141	43°47.8'	2926	11°36.2'	3653	56°42.0'	3017
15	104°22.4'	3313	8°31.3'	3169	44°18.4'	2930	11°10.3'	3725	56°12.0'	3022
16	103°54.5'	3317	8°02.4'	3202	44°48.9'	2934	10°44.9'	3808	55°42.1'	3027
17	103°26.5'	3321	7°33.7'	3242	45°19.5'	2938	10°19.9'	3902	55°12.2'	3032
18	102°58.6'	3325	7°05.2'	3289	45°50.0'	2942	9°55.5'	4010	54°42.3'	3037
19	102°30.7'	3329	6°37.1'	3347	46°20.4'	2945	9°31.7'	4135	54°12.5'	3042
20	102°02.8'	3333	6°09.3'	3418	46°50.9'	2949	9°08.5'	4279	53°42.7'	3047
21	101°35.0'	3337	5°42.0'	3509	47°21.3'	2953	-	-	53°13.0'	3052
22	101°07.1'	3341	5°15.3'	3627	47°51.7'	2956	-	-	52°43.3'	3057
23	100°39.3'	3345	-	-	48°22.1'	2960	-	-	52°13.6'	3062

Thu Jan 19, 2017 UTC

UTC	−Sun		+Regulus		−Antares		−Saturn		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	100°11.6′	3349	48°52.4′	2964	51°44.0′	3067	64°25.6′	3011	85°02.0′	3030
1	99°43.8′	3353	49°22.8′	2967	51°14.3′	3072	63°55.6′	3014	85°31.8′	3034
2	99°16.1′	3357	49°53.1′	2971	50°44.8′	3077	63°25.7′	3018	86°01.7′	3037
3	98°48.4′	3360	50°23.3′	2974	50°15.2′	3082	62°55.7′	3021	86°31.5′	3041
4	98°20.7′	3364	50°53.6′	2977	49°45.7′	3087	62°25.8′	3025	87°01.3′	3044
5	97°53.1′	3367	51°23.8′	2981	49°16.2′	3092	61°55.9′	3028	87°31.0′	3047
6	97°25.4′	3371	51°54.0′	2984	48°46.8′	3097	61°26.0′	3032	88°00.8′	3050
7	96°57.8′	3374	52°24.2′	2987	48°17.4′	3102	60°56.2′	3035	88°30.5′	3053
8	96°30.2′	3378	52°54.4′	2990	47°48.0′	3107	60°26.3′	3038	89°00.2′	3057
9	96°02.7′	3381	53°24.5′	2993	47°18.7′	3112	59°56.5′	3042	89°29.9′	3060
10	95°35.1′	3385	53°54.6′	2996	46°49.4′	3117	59°26.7′	3045	89°59.6′	3063
11	95°07.6′	3388	54°24.7′	2999	46°20.1′	3122	58°57.0′	3048	90°29.2′	3066
12	94°40.1′	3391	54°54.8′	3002	45°50.9′	3127	58°27.2′	3051	90°58.8′	3069
13	94°12.6′	3394	55°24.9′	3005	45°21.7′	3132	57°57.5′	3054	91°28.4′	3072
14	93°45.2′	3397	55°54.9′	3008	44°52.5′	3137	57°27.8′	3057	91°58.0′	3075
15	93°17.7′	3400	56°24.9′	3011	44°23.4′	3142	56°58.1′	3060	92°27.6′	3077
16	92°50.3′	3403	56°54.9′	3013	43°54.3′	3148	56°28.5′	3063	92°57.1′	3080
17	92°22.9′	3406	57°24.9′	3016	43°25.2′	3153	55°58.8′	3066	93°26.6′	3083
18	91°55.5′	3409	57°54.8′	3019	42°56.2′	3158	55°29.2′	3068	93°56.1′	3086
19	91°28.1′	3412	58°24.8′	3021	42°27.2′	3163	54°59.6′	3071	94°25.6′	3088
20	91°00.8′	3414	58°54.7′	3024	41°58.2′	3169	54°30.0′	3074	94°55.1′	3091
21	90°33.4′	3417	59°24.6′	3026	41°29.3′	3174	54°00.5′	3077	95°24.5′	3093
22	90°06.1′	3420	59°54.5′	3029	41°00.4′	3179	53°30.9′	3079	95°53.9′	3096
23	89°38.8′	3422	60°24.4′	3031	40°31.5′	3185	53°01.4′	3082	96°23.4′	3099

Fri Jan 20, 2017 UTC

UTC	−Sun		+Jupiter		−Antares		−Saturn		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	89°11.5′	3425	8°46.3′	3237	40°02.7′	3190	52°31.9′	3084	60°54.2′	3033
1	88°44.3′	3427	9°14.7′	3220	39°33.9′	3196	52°02.4′	3087	61°24.1′	3036
2	88°17.0′	3429	9°43.3′	3206	39°05.2′	3202	51°32.9′	3089	61°53.9′	3038
3	87°49.8′	3432	10°12.0′	3195	38°36.5′	3207	51°03.4′	3091	62°23.7′	3040
4	87°22.5′	3434	10°40.7′	3185	38°07.8′	3213	50°34.0′	3094	62°53.5′	3042
5	86°55.3′	3436	11°09.6′	3177	37°39.2′	3219	50°04.6′	3096	63°23.3′	3044
6	86°28.1′	3438	11°38.4′	3169	37°10.6′	3225	49°35.2′	3098	63°53.1′	3046
7	86°00.9′	3440	12°07.4′	3163	36°42.0′	3231	49°05.8′	3100	64°22.8′	3048
8	85°33.8′	3443	12°36.3′	3158	36°13.5′	3238	48°36.4′	3102	64°52.6′	3050
9	85°06.6′	3444	13°05.3′	3153	35°45.0′	3244	48°07.0′	3104	65°22.3′	3052
10	84°39.5′	3446	13°34.3′	3149	35°16.6′	3250	47°37.6′	3106	65°52.0′	3053
11	84°12.3′	3448	14°03.4′	3146	34°48.2′	3257	47°08.3′	3108	66°21.7′	3055
12	83°45.2′	3450	14°32.5′	3143	34°19.9′	3264	46°39.0′	3110	66°51.4′	3057
13	83°18.1′	3452	15°01.6′	3140	33°51.6′	3271	46°09.6′	3112	67°21.1′	3058
14	82°51.0′	3453	15°30.7′	3138	33°23.3′	3278	45°40.3′	3114	67°50.7′	3060
15	82°23.9′	3455	15°59.8′	3136	32°55.1′	3286	45°11.1′	3116	68°20.4′	3061
16	81°56.8′	3457	16°29.0′	3134	32°27.0′	3293	44°41.8′	3118	68°50.1′	3063
17	81°29.8′	3458	16°58.1′	3133	31°58.9′	3301	44°12.5′	3119	69°19.7′	3064
18	81°02.7′	3459	17°27.3′	3131	31°30.8′	3309	43°43.2′	3121	69°49.3′	3065
19	80°35.7′	3461	17°56.5′	3130	31°02.8′	3318	43°14.0′	3122	70°18.9′	3067
20	80°08.6′	3462	18°25.6′	3129	30°34.9′	3326	42°44.8′	3124	70°48.6′	3068
21	79°41.6′	3463	18°54.8′	3128	30°07.0′	3335	42°15.5′	3126	71°18.2′	3069
22	79°14.5′	3465	19°24.0′	3127	29°39.1′	3344	41°46.3′	3127	71°47.8′	3070
23	78°47.5′	3466	19°53.2′	3126	29°11.3′	3354	41°17.1′	3128	72°17.3′	3071

Sat Jan 21, 2017 UTC

UTC	−Sun		+Jupiter		+Spica		−Saturn		−Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	78°20.5′	3467	20°22.5′	3126	19°58.1′	3284	40°47.9′	3130	28°43.6′	3364
1	77°53.5′	3468	20°51.7′	3125	20°26.3′	3275	40°18.7′	3131	28°16.0′	3375
2	77°26.5′	3469	21°20.9′	3124	20°54.5′	3267	39°49.6′	3132	27°48.4′	3385
3	76°59.5′	3470	21°50.1′	3124	21°22.8′	3260	39°20.4′	3134	27°20.9′	3397
4	76°32.5′	3471	22°19.3′	3123	21°51.1′	3253	38°51.2′	3135	26°53.4′	3409
5	76°05.5′	3471	22°48.6′	3123	22°19.5′	3246	38°22.1′	3136	26°26.0′	3421
6	75°38.6′	3472	23°17.8′	3122	22°47.9′	3240	37°52.9′	3137	25°58.8′	3434
7	75°11.6′	3473	23°47.0′	3122	23°16.4′	3234	37°23.8′	3138	25°31.5′	3448
8	74°44.6′	3473	24°16.3′	3121	23°44.9′	3229	36°54.7′	3140	25°04.4′	3462
9	74°17.7′	3474	24°45.5′	3121	24°13.4′	3224	36°25.6′	3141	24°37.4′	3478
10	73°50.7′	3474	25°14.8′	3120	24°41.9′	3219	35°56.4′	3142	24°10.5′	3494
11	73°23.7′	3475	25°44.0′	3120	25°10.5′	3214	35°27.3′	3143	23°43.6′	3511
12	72°56.8′	3475	26°13.3′	3120	25°39.2′	3210	34°58.2′	3144	23°16.9′	3529
13	72°29.8′	3475	26°42.5′	3119	26°07.8′	3206	34°29.1′	3145	22°50.3′	3548
14	72°02.9′	3476	27°11.8′	3119	26°36.5′	3202	34°00.1′	3146	22°23.7′	3568
15	71°35.9′	3476	27°41.0′	3118	27°05.2′	3198	33°31.0′	3146	21°57.4′	3589
16	71°09.0′	3476	28°10.3′	3117	27°33.9′	3194	33°01.9′	3147	21°31.1′	3612
17	70°42.0′	3476	28°39.6′	3117	28°02.7′	3191	32°32.8′	3148	21°05.0′	3637
18	70°15.1′	3476	29°08.8′	3116	28°31.5′	3187	32°03.8′	3149	20°39.0′	3663
19	69°48.1′	3476	29°38.1′	3116	29°00.3′	3184	31°34.7′	3150	20°13.2′	3690
20	69°21.2′	3476	30°07.4′	3115	29°29.1′	3181	31°05.7′	3151	19°47.5′	3720
21	68°54.2′	3476	30°36.7′	3114	29°57.9′	3178	30°36.6′	3152	19°22.1′	3752
22	68°27.3′	3476	31°06.0′	3114	30°26.8′	3175	30°07.6′	3152	18°56.8′	3787
23	68°00.3′	3476	31°35.3′	3113	30°55.7′	3172	29°38.5′	3153	18°31.7′	3824

Sun Jan 22, 2017 UTC

UTC	−Sun		−Saturn		+Jupiter		+Spica		−Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	67°33.4′	3475	29°09.5′	3154	32°04.6′	3112	31°24.6′	3169	18°06.8′	3864
1	67°06.4′	3475	28°40.5′	3155	32°33.9′	3112	31°53.5′	3166	17°42.2′	3907
2	66°39.5′	3474	28°11.5′	3156	33°03.2′	3111	32°22.5′	3163	17°17.8′	3954
3	66°12.5′	3474	27°42.5′	3156	33°32.5′	3110	32°51.4′	3161	16°53.6′	4005
4	65°45.5′	3474	27°13.5′	3157	34°01.8′	3109	33°20.4′	3158	16°29.8′	4060
5	65°18.6′	3473	26°44.5′	3158	34°31.1′	3108	33°49.4′	3156	16°06.2′	4120
6	64°51.6′	3472	26°15.5′	3159	35°00.5′	3107	34°18.4′	3153	15°43.0′	4186
7	64°24.6′	3472	25°46.5′	3160	35°29.8′	3106	34°47.4′	3151	15°20.1′	4258
8	63°57.7′	3471	25°17.5′	3161	35°59.1′	3105	35°16.5′	3148	14°57.6′	4337
9	63°30.7′	3470	24°48.5′	3162	36°28.5′	3104	35°45.6′	3146	14°35.5′	4424
10	63°03.7′	3469	24°19.5′	3163	36°57.9′	3103	36°14.6′	3143	14°13.8′	4520
11	62°36.7′	3468	23°50.6′	3165	37°27.2′	3102	36°43.7′	3141	13°52.6′	4625
12	62°09.7′	3468	23°21.6′	3166	37°56.6′	3101	37°12.8′	3139	13°31.9′	4742
13	61°42.7′	3467	22°52.7′	3167	38°26.0′	3100	37°42.0′	3136	13°11.8′	4872
14	61°15.7′	3465	22°23.8′	3169	38°55.4′	3098	38°11.1′	3134	12°52.3′	5016
15	60°48.7′	3464	21°54.8′	3170	39°24.8′	3097	38°40.3′	3132	12°33.4′	5178
16	60°21.7′	3463	21°25.9′	3172	39°54.2′	3096	39°09.4′	3129	12°15.1′	5358
17	59°54.6′	3462	20°57.0′	3174	40°23.6′	3094	39°38.6′	3127	11°57.7′	5561
18	59°27.6′	3461	20°28.1′	3176	40°53.0′	3093	40°07.8′	3124	–	–
19	59°00.5′	3460	19°59.2′	3179	41°22.5′	3091	40°37.1′	3122	–	–
20	58°33.5′	3458	19°30.4′	3181	41°51.9′	3090	41°06.3′	3120	–	–
21	58°06.4′	3457	19°01.5′	3184	42°21.4′	3088	41°35.6′	3117	–	–
22	57°39.4′	3455	18°32.7′	3187	42°50.8′	3087	42°04.8′	3115	–	–
23	57°12.3′	3454	18°03.9′	3190	43°20.3′	3085	42°34.1′	3113	–	–

Mon Jan 23, 2017 UTC

UTC	-Sun		-Saturn		+Jupiter		+Spica		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	56°45.2'	3452	17°35.1'	3194	43°49.8'	3084	43°03.4'	3110	96°25.5'	3059
1	56°18.1'	3451	17°06.4'	3198	44°19.3'	3082	43°32.7'	3108	96°55.2'	3057
2	55°51.0'	3449	16°37.6'	3203	44°48.8'	3080	44°02.1'	3106	97°24.9'	3056
3	55°23.9'	3448	16°08.9'	3208	45°18.3'	3079	44°31.4'	3103	97°54.6'	3054
4	54°56.8'	3446	15°40.3'	3214	45°47.8'	3077	45°00.8'	3101	98°24.3'	3053
5	54°29.6'	3444	15°11.7'	3220	46°17.4'	3075	45°30.2'	3098	98°54.0'	3051
6	54°02.5'	3442	14°43.1'	3228	46°46.9'	3073	45°59.6'	3096	99°23.7'	3049
7	53°35.3'	3441	14°14.5'	3236	47°16.5'	3071	46°29.0'	3093	99°53.4'	3048
8	53°08.1'	3439	13°46.1'	3245	47°46.1'	3069	46°58.4'	3091	100°23.2'	3046
9	52°41.0'	3437	13°17.6'	3255	48°15.7'	3067	47°27.8'	3088	100°52.9'	3044
10	52°13.8'	3435	12°49.3'	3267	48°45.3'	3065	47°57.3'	3086	101°22.7'	3042
11	51°46.6'	3433	12°21.0'	3281	49°14.9'	3063	48°26.8'	3083	101°52.5'	3040
12	51°19.3'	3431	11°52.8'	3296	49°44.5'	3061	48°56.3'	3081	102°22.3'	3039
13	50°52.1'	3429	11°24.7'	3314	50°14.2'	3059	49°25.8'	3078	102°52.1'	3037
14	50°24.9'	3427	10°56.8'	3335	50°43.9'	3057	49°55.4'	3076	103°21.9'	3035
15	49°57.6'	3425	10°28.9'	3358	51°13.5'	3055	50°24.9'	3073	103°51.7'	3033
16	49°30.3'	3422	10°01.2'	3386	51°43.2'	3053	50°54.5'	3070	104°21.6'	3031
17	49°03.1'	3420	9°33.7'	3418	52°12.9'	3050	51°24.1'	3068	104°51.4'	3028
18	48°35.8'	3418	9°06.4'	3456	52°42.7'	3048	51°53.7'	3065	105°21.3'	3026
19	48°08.4'	3416	8°39.3'	3501	53°12.4'	3046	52°23.3'	3062	105°51.2'	3024
20	47°41.1'	3413	8°12.5'	3556	53°42.2'	3044	52°52.9'	3060	106°21.1'	3022
21	47°13.8'	3411	7°46.1'	3621	54°11.9'	3041	53°22.6'	3057	106°51.0'	3020
22	46°46.4'	3408	7°20.0'	3700	54°41.7'	3039	53°52.3'	3054	107°20.9'	3017
23	46°19.0'	3406	6°54.4'	3797	55°11.5'	3036	54°22.0'	3051	107°50.9'	3015

Tue Jan 24, 2017 UTC

UTC	-Sun		+Jupiter		+Spica		-Saturn		+Arcturus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	45°51.7'	3403	55°41.3'	3034	54°51.7'	3049	6°29.4'	3918	56°48.8'	3743
1	45°24.3'	3401	56°11.2'	3031	55°21.4'	3046	-	-	57°14.1'	3733
2	44°56.8'	3398	56°41.0'	3029	55°51.2'	3043	-	-	57°39.5'	3722
3	44°29.4'	3396	57°10.9'	3026	56°21.0'	3040	-	-	58°05.0'	3712
4	44°01.9'	3393	57°40.8'	3024	56°50.8'	3037	-	-	58°30.5'	3702
5	43°34.5'	3391	58°10.7'	3021	57°20.6'	3034	-	-	58°56.1'	3692
6	43°07.0'	3388	58°40.6'	3018	57°50.4'	3031	-	-	59°21.7'	3682
7	42°39.5'	3385	59°10.6'	3016	58°20.3'	3029	-	-	59°47.4'	3673
8	42°12.0'	3383	59°40.5'	3013	58°50.1'	3026	-	-	60°13.2'	3663
9	41°44.4'	3380	60°10.5'	3010	59°20.0'	3023	-	-	60°39.0'	3654
10	41°16.9'	3377	60°40.5'	3007	59°49.9'	3020	-	-	61°04.9'	3645
11	40°49.3'	3374	61°10.5'	3005	60°19.9'	3017	-	-	61°30.8'	3636
12	40°21.7'	3371	61°40.6'	3002	60°49.8'	3014	-	-	61°56.8'	3627
13	39°54.1'	3369	62°10.6'	2999	61°19.8'	3011	-	-	62°22.8'	3619
14	39°26.5'	3366	62°40.7'	2996	61°49.8'	3008	-	-	62°48.9'	3610
15	38°58.9'	3363	63°10.8'	2993	62°19.8'	3004	-	-	63°15.0'	3602
16	38°31.2'	3360	63°40.9'	2990	62°49.9'	3001	-	-	63°41.2'	3593
17	38°03.5'	3357	64°11.1'	2987	63°19.9'	2998	-	-	64°07.4'	3585
18	37°35.8'	3354	64°41.2'	2984	63°50.0'	2995	-	-	64°33.7'	3577
19	37°08.1'	3351	65°11.4'	2981	64°20.1'	2992	-	-	65°00.0'	3569
20	36°40.4'	3348	65°41.6'	2978	64°50.2'	2989	-	-	65°26.4'	3561
21	36°12.6'	3345	66°11.8'	2975	65°20.4'	2986	-	-	65°52.8'	3554
22	35°44.8'	3342	66°42.1'	2972	65°50.6'	2982	6°38.0'	3697	66°19.3'	3546
23	35°17.0'	3339	67°12.3'	2969	66°20.8'	2979	7°03.6'	3600	66°45.8'	3538

Wed Jan 25, 2017 UTC

UTC	+Saturn		+Antares		+Spica		+Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	7°29.8'	3520	22°35.8'	3406	66°51.0'	2976	67°42.6'	2966
1	7°56.5'	3453	23°03.2'	3384	67°21.2'	2973	68°12.9'	2963
2	8°23.6'	3397	23°30.7'	3364	67°51.5'	2969	68°43.3'	2960
3	8°51.0'	3349	23°58.3'	3344	68°21.8'	2966	69°13.6'	2957
4	9°18.8'	3307	24°26.1'	3325	68°52.1'	2963	69°44.0'	2953
5	9°46.8'	3271	24°54.0'	3308	69°22.4'	2960	70°14.4'	2950
6	10°15.0'	3240	25°22.0'	3291	69°52.7'	2956	70°44.8'	2947
7	10°43.5'	3212	25°50.2'	3274	70°23.1'	2953	71°15.2'	2944
8	11°12.1'	3187	26°18.4'	3259	70°53.5'	2950	71°45.7'	2941
9	11°40.9'	3165	26°46.7'	3244	71°23.9'	2946	72°16.2'	2937
10	12°09.9'	3145	27°15.2'	3230	71°54.4'	2943	72°46.7'	2934
11	12°39.0'	3127	27°43.7'	3216	72°24.9'	2940	73°17.2'	2931
12	13°08.2'	3111	28°12.3'	3203	72°55.3'	2936	73°47.8'	2927
13	13°37.5'	3096	28°41.0'	3190	73°25.9'	2933	74°18.4'	2924
14	14°06.9'	3082	29°09.8'	3178	73°56.4'	2929	74°49.0'	2921
15	14°36.4'	3069	29°38.6'	3166	74°27.0'	2926	75°19.6'	2917
16	15°06.0'	3057	30°07.6'	3155	74°57.6'	2922	75°50.2'	2914
17	15°35.7'	3046	30°36.6'	3144	75°28.2'	2919	76°20.9'	2910
18	16°05.4'	3036	31°05.7'	3133	75°58.8'	2916	76°51.6'	2907
19	16°35.3'	3026	31°34.8'	3123	76°29.5'	2912	77°22.3'	2904
20	17°05.1'	3016	32°04.1'	3113	77°00.2'	2909	77°53.1'	2900
21	17°35.1'	3008	32°33.4'	3103	77°30.9'	2905	78°23.9'	2897
22	18°05.1'	2999	33°02.7'	3093	78°01.6'	2902	78°54.6'	2893
23	18°35.2'	2991	33°32.2'	3084	78°32.4'	2898	79°25.5'	2890

Thu Jan 26, 2017 UTC

UTC	+Saturn		+Antares		+Spica		+Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	19°05.3'	2983	34°01.7'	3075	79°03.1'	2895	79°56.3'	2886
1	19°35.5'	2976	34°31.2'	3067	79°34.0'	2891	80°27.2'	2883
2	20°05.8'	2969	35°00.8'	3058	80°04.8'	2888	80°58.1'	2879
3	20°36.0'	2962	35°30.5'	3050	80°35.7'	2884	81°29.0'	2876
4	21°06.4'	2956	36°00.2'	3042	81°06.5'	2881	81°59.9'	2872
5	21°36.8'	2949	36°30.0'	3034	81°37.4'	2877	82°30.9'	2869
6	22°07.2'	2943	36°59.9'	3026	82°08.4'	2874	83°01.9'	2865
7	22°37.7'	2937	37°29.8'	3018	82°39.3'	2870	83°32.9'	2862
8	23°08.2'	2931	37°59.7'	3011	83°10.3'	2867	84°04.0'	2858
9	23°38.7'	2925	38°29.7'	3004	83°41.3'	2863	84°35.0'	2855
10	24°09.3'	2920	38°59.7'	2996	84°12.4'	2860	85°06.1'	2851
11	24°39.9'	2914	39°29.8'	2989	84°43.4'	2856	85°37.2'	2848
12	25°10.6'	2909	39°60.0'	2982	85°14.5'	2852	86°08.4'	2844
13	25°41.3'	2903	40°30.2'	2976	85°45.6'	2849	86°39.6'	2840
14	26°12.1'	2898	41°00.4'	2969	86°16.8'	2845	87°10.8'	2837
15	26°42.9'	2893	41°30.7'	2963	86°47.9'	2842	87°42.0'	2833
16	27°13.7'	2888	42°01.0'	2956	87°19.1'	2838	88°13.2'	2830
17	27°44.5'	2883	42°31.4'	2950	87°50.3'	2835	88°44.5'	2826
18	28°15.4'	2878	43°01.8'	2944	88°21.6'	2831	89°15.8'	2823
19	28°46.3'	2874	43°32.3'	2937	88°52.8'	2828	89°47.1'	2819
20	29°17.3'	2869	44°02.8'	2931	89°24.1'	2824	90°18.5'	2815
21	29°48.3'	2864	44°33.4'	2925	89°55.4'	2821	90°49.8'	2812
22	30°19.3'	2859	45°03.9'	2920	90°26.8'	2817	91°21.3'	2808
23	30°50.4'	2855	45°34.6'	2914	90°58.1'	2814	91°52.7'	2805

Fri Jan 27, 2017 UTC

UTC	+Saturn		+Antares		+Spica		+Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	31°21.5'	2850	46°05.3'	2908	91°29.5'	2810	92°24.1'	2801
1	31°52.6'	2846	46°36.0'	2902	92°00.9'	2807	92°55.6'	2797
2	32°23.8'	2841	47°06.7'	2897	92°32.4'	2803	93°27.1'	2794
3	32°55.0'	2837	47°37.5'	2891	93°03.8'	2800	93°58.7'	2790
4	33°26.2'	2833	48°08.4'	2886	93°35.3'	2796	94°30.2'	2787
5	33°57.4'	2828	48°39.2'	2881	94°06.8'	2793	95°01.8'	2783
6	34°28.7'	2824	49°10.1'	2875	94°38.4'	2789	95°33.4'	2780
7	35°00.0'	2820	49°41.1'	2870	95°10.0'	2786	96°05.0'	2776
8	35°31.4'	2816	50°12.1'	2865	95°41.5'	2782	96°36.7'	2772
9	36°02.7'	2811	50°43.1'	2860	96°13.2'	2779	97°08.4'	2769
10	36°34.1'	2807	51°14.1'	2855	96°44.8'	2775	97°40.1'	2765
11	37°05.6'	2803	51°45.2'	2850	97°16.5'	2772	98°11.9'	2762
12	37°37.0'	2799	52°16.4'	2845	97°48.2'	2768	98°43.6'	2758
13	38°08.5'	2795	52°47.5'	2840	98°19.9'	2765	99°15.4'	2755
14	38°40.1'	2791	53°18.7'	2835	98°51.6'	2761	99°47.2'	2751
15	39°11.6'	2787	53°50.0'	2830	99°23.4'	2758	100°19.1'	2748
16	39°43.2'	2783	54°21.2'	2825	99°55.2'	2755	100°50.9'	2744
17	40°14.8'	2779	54°52.5'	2821	100°27.0'	2751	101°22.8'	2741
18	40°46.5'	2775	55°23.9'	2816	100°58.9'	2748	101°54.8'	2737
19	41°18.1'	2771	55°55.3'	2811	101°30.7'	2745	102°26.7'	2734
20	41°49.8'	2767	56°26.7'	2807	102°02.6'	2741	102°58.7'	2730
21	42°21.6'	2763	56°58.1'	2802	102°34.5'	2738	103°30.7'	2727
22	42°53.3'	2760	57°29.6'	2798	103°06.5'	2735	104°02.7'	2723
23	43°25.1'	2756	58°01.1'	2793	103°38.4'	2731	104°34.8'	2720

Sun Jan 29, 2017 UTC

UTC	-Venus		-Mars		-Aldebaran		-Rigel	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	34°09.1'	2944	39°27.1'	2884	108°54.1'	2623	112°35.8'	3176
1	33°38.6'	2942	38°56.3'	2880	108°21.3'	2620	112°06.9'	3169
2	33°08.1'	2939	38°25.3'	2877	107°48.5'	2616	111°38.0'	3162
3	32°37.6'	2937	37°54.4'	2874	107°15.6'	2613	111°09.0'	3155
4	32°07.1'	2934	37°23.5'	2871	106°42.8'	2610	110°40.0'	3148
5	31°36.6'	2932	36°52.5'	2868	106°09.9'	2607	110°10.9'	3141
6	31°06.1'	2930	36°21.5'	2865	105°37.0'	2604	109°41.8'	3134
7	30°35.5'	2927	35°50.5'	2862	105°04.0'	2601	109°12.7'	3127
8	30°04.9'	2925	35°19.4'	2859	104°31.0'	2598	108°43.5'	3121
9	29°34.3'	2923	34°48.4'	2856	103°58.1'	2595	108°14.2'	3115
10	29°03.7'	2921	34°17.3'	2853	103°25.0'	2592	107°44.9'	3108
11	28°33.1'	2919	33°46.2'	2850	102°52.0'	2589	107°15.6'	3102
12	28°02.5'	2917	33°15.0'	2848	102°19.0'	2586	106°46.2'	3096
13	27°31.8'	2916	32°43.9'	2845	101°45.9'	2583	106°16.8'	3090
14	27°01.1'	2914	32°12.7'	2842	101°12.8'	2580	105°47.4'	3085
15	26°30.5'	2913	31°41.5'	2839	100°39.7'	2577	105°17.9'	3079
16	25°59.8'	2911	31°10.3'	2836	100°06.5'	2574	104°48.4'	3074
17	25°29.1'	2910	30°39.1'	2834	99°33.3'	2571	104°18.8'	3068
18	24°58.4'	2909	30°07.9'	2831	99°00.1'	2568	103°49.2'	3063
19	24°27.7'	2908	29°36.6'	2829	98°26.9'	2566	103°19.5'	3058
20	23°57.0'	2907	29°05.3'	2826	97°53.7'	2563	102°49.9'	3053
21	23°26.3'	2907	28°34.0'	2823	97°20.4'	2560	102°20.2'	3048
22	22°55.5'	2907	28°02.7'	2821	96°47.2'	2557	101°50.4'	3043
23	22°24.8'	2907	27°31.4'	2819	96°13.9'	2554	101°20.7'	3038

Mon Jan 30, 2017 UTC

UTC	-Mars		-Venus		-Aldebaran		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	27°00.0'	2816	21°54.1'	2907	95°40.5'	2552	113°37.9'	2652
1	26°28.6'	2814	21°23.4'	2907	95°07.2'	2549	113°05.4'	2649
2	25°57.2'	2812	20°52.6'	2908	94°33.8'	2546	112°32.8'	2645
3	25°25.8'	2809	20°21.9'	2909	94°00.5'	2543	112°00.1'	2642
4	24°54.4'	2807	19°51.2'	2910	93°27.0'	2541	111°27.5'	2638
5	24°23.0'	2805	19°20.5'	2912	92°53.6'	2538	110°54.8'	2635
6	23°51.5'	2803	18°49.8'	2914	92°20.2'	2535	110°22.1'	2631
7	23°20.1'	2801	18°19.2'	2917	91°46.7'	2532	109°49.4'	2628
8	22°48.6'	2799	17°48.5'	2920	91°13.2'	2530	109°16.6'	2625
9	22°17.1'	2797	17°17.9'	2924	90°39.7'	2527	108°43.8'	2622
10	21°45.6'	2796	16°47.3'	2928	90°06.2'	2525	108°11.0'	2618
11	21°14.1'	2794	16°16.7'	2933	89°32.6'	2522	107°38.2'	2615
12	20°42.5'	2793	15°46.2'	2939	88°59.1'	2519	107°05.3'	2612
13	20°11.0'	2791	15°15.7'	2946	88°25.5'	2517	106°32.4'	2609
14	19°39.4'	2790	14°45.2'	2955	87°51.9'	2514	105°59.5'	2606
15	19°07.9'	2789	14°14.8'	2964	87°18.2'	2512	105°26.6'	2603
16	18°36.3'	2788	13°44.5'	2975	86°44.6'	2509	104°53.6'	2600
17	18°04.7'	2787	13°14.3'	2988	86°10.9'	2507	104°20.7'	2597
18	17°33.2'	2787	12°44.1'	3002	85°37.2'	2504	103°47.7'	2594
19	17°01.6'	2787	12°14.0'	3019	85°03.5'	2502	103°14.7'	2591
20	16°30.0'	2786	11°44.1'	3039	84°29.8'	2499	102°41.6'	2588
21	15°58.4'	2787	11°14.3'	3062	83°56.0'	2497	102°08.5'	2585
22	15°26.8'	2787	10°44.7'	3089	83°22.3'	2494	101°35.5'	2582
23	14°55.2'	2788	10°15.2'	3121	82°48.5'	2492	101°02.4'	2580

Tue Jan 31, 2017 UTC

UTC	-Mars		-Venus		-Aldebaran		-Betelgeuse		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	14°23.7'	2789	9°45.9'	3158	82°14.7'	2489	100°29.2'	2577	23°52.0'	5730
1	13°52.1'	2791	9°17.0'	3203	81°40.9'	2487	99°56.1'	2574	24°08.0'	5576
2	13°20.5'	2793	8°48.3'	3257	81°07.0'	2485	99°22.9'	2572	24°24.6'	5432
3	12°49.0'	2796	8°19.9'	3322	80°33.2'	2482	98°49.7'	2569	24°41.8'	5297
4	12°17.5'	2800	7°52.0'	3401	79°59.3'	2480	98°16.5'	2566	24°59.5'	5170
5	11°46.0'	2805	7°24.6'	3498	79°25.4'	2478	97°43.3'	2564	25°17.8'	5051
6	11°14.6'	2811	6°57.7'	3619	78°51.5'	2475	97°10.0'	2561	25°36.5'	4940
7	10°43.1'	2818	-	-	78°17.5'	2473	96°36.8'	2559	25°55.8'	4834
8	10°11.8'	2826	-	-	77°43.6'	2471	96°03.5'	2556	26°15.5'	4735
9	9°40.5'	2837	-	-	77°09.6'	2468	95°30.2'	2554	26°35.6'	4641
10	9°09.3'	2850	-	-	76°35.6'	2466	94°56.8'	2551	26°56.3'	4553
11	8°38.1'	2866	-	-	76°01.6'	2464	94°23.5'	2549	27°17.3'	4469
12	8°07.1'	2885	-	-	75°27.6'	2462	93°50.1'	2547	27°38.7'	4390
13	7°36.2'	2910	-	-	74°53.6'	2459	93°16.8'	2544	28°00.6'	4315
14	7°05.5'	2942	-	-	74°19.5'	2457	92°43.4'	2542	28°22.8'	4244
15	6°35.1'	2982	-	-	73°45.4'	2455	92°09.9'	2540	28°45.4'	4177
16	6°04.9'	3035	-	-	73°11.3'	2453	91°36.5'	2538	29°08.3'	4113
17	5°35.0'	3105	-	-	72°37.2'	2451	91°03.1'	2535	29°31.6'	4052
18	5°05.7'	3199	-	-	72°03.1'	2449	90°29.6'	2533	29°55.2'	3995
19	-	-	-	-	71°29.0'	2446	89°56.1'	2531	30°19.1'	3940
20	-	-	-	-	70°54.8'	2444	89°22.6'	2529	30°43.3'	3888
21	-	-	-	-	70°20.6'	2442	88°49.1'	2527	31°07.8'	3838
22	-	-	-	-	69°46.4'	2440	88°15.6'	2525	31°32.6'	3791
23	-	-	-	-	69°12.2'	2438	87°42.0'	2523	31°57.7'	3745