

Sun Oct 1, 2017 UTC

UTC	+Saturn		+Antares		-Formalhaut		+Jupiter		+Arcturus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	47°35.8'	2908	60°04.2'	2954	32°35.7'	4024	101°51.4'	2957	102°32.2'	3371
1	48°06.5'	2904	60°34.6'	2949	32°11.9'	4053	102°21.8'	2953	102°59.8'	3369
2	48°37.3'	2899	61°05.1'	2944	31°48.3'	4085	102°52.2'	2949	103°27.4'	3367
3	49°08.1'	2895	61°35.5'	2938	31°24.9'	4117	103°22.6'	2944	103°55.1'	3365
4	49°38.9'	2890	62°06.0'	2933	31°01.7'	4152	103°53.1'	2940	104°22.7'	3363
5	50°09.7'	2885	62°36.6'	2928	30°38.6'	4188	104°23.6'	2936	104°50.4'	3361
6	50°40.6'	2881	63°07.1'	2923	30°15.7'	4227	104°54.1'	2931	105°18.1'	3359
7	51°11.5'	2876	63°37.7'	2918	29°53.1'	4268	105°24.7'	2927	105°45.7'	3357
8	51°42.5'	2872	64°08.4'	2913	29°30.6'	4310	105°55.2'	2922	106°13.4'	3355
9	52°13.4'	2867	64°39.1'	2908	29°08.4'	4356	106°25.9'	2918	106°41.2'	3354
10	52°44.4'	2862	65°09.8'	2903	28°46.3'	4403	106°56.5'	2913	107°08.9'	3352
11	53°15.5'	2857	65°40.5'	2898	28°24.6'	4454	107°27.2'	2909	107°36.6'	3351
12	53°46.5'	2853	66°11.3'	2892	28°03.1'	4508	107°57.9'	2904	108°04.3'	3349
13	54°17.7'	2848	66°42.2'	2887	27°41.8'	4564	108°28.6'	2899	108°32.1'	3348
14	54°48.8'	2843	67°13.0'	2882	27°20.8'	4624	108°59.4'	2895	108°59.8'	3347
15	55°20.0'	2838	67°43.9'	2877	27°00.2'	4688	109°30.2'	2890	109°27.6'	3345
16	55°51.2'	2834	68°14.8'	2872	26°39.8'	4756	110°01.1'	2886	109°55.4'	3344
17	56°22.4'	2829	68°45.8'	2867	26°19.7'	4827	110°31.9'	2881	110°23.2'	3343
18	56°53.7'	2824	69°16.8'	2861	25°59.9'	4903	111°02.8'	2876	110°50.9'	3343
19	57°25.0'	2819	69°47.9'	2856	25°40.5'	4984	111°33.8'	2871	111°18.7'	3342
20	57°56.4'	2814	70°19.0'	2851	25°21.5'	5070	112°04.8'	2867	111°46.5'	3341
21	58°27.8'	2809	70°50.1'	2846	25°02.8'	5162	112°35.8'	2862	112°14.3'	3341
22	58°59.2'	2804	71°21.2'	2840	24°44.6'	5260	113°06.8'	2857	112°42.1'	3340
23	59°30.6'	2799	71°52.4'	2835	24°26.7'	5364	113°37.9'	2852	113°09.9'	3340

Mon Oct 2, 2017 UTC

UTC	+Saturn		+Antares		-Aldebaran		+Jupiter		-Rigel	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	60°02.1'	2794	72°23.7'	2830	107°37.9'	2764	114°09.0'	2847	111°03.2'	3320
1	60°33.7'	2789	72°54.9'	2825	107°06.1'	2759	114°40.2'	2843	110°35.3'	3311
2	61°05.2'	2784	73°26.3'	2820	106°34.3'	2754	115°11.3'	2838	110°07.3'	3303
3	61°36.8'	2779	73°57.6'	2814	106°02.5'	2750	115°42.6'	2833	109°39.2'	3294
4	62°08.5'	2774	74°29.0'	2809	105°30.7'	2745	116°13.8'	2828	109°11.1'	3286
5	62°40.1'	2769	75°00.4'	2804	104°58.8'	2740	116°45.1'	2823	108°43.0'	3277
6	63°11.9'	2764	75°31.9'	2799	104°26.8'	2735	117°16.4'	2818	108°14.8'	3269
7	63°43.6'	2759	76°03.4'	2793	103°54.9'	2730	117°47.8'	2813	107°46.5'	3261
8	64°15.4'	2754	76°34.9'	2788	103°22.9'	2725	118°19.2'	2808	107°18.2'	3253
9	64°47.2'	2749	77°06.5'	2783	102°50.8'	2720	118°50.6'	2803	106°49.8'	3245
10	65°19.1'	2744	77°38.1'	2777	102°18.8'	2715	119°22.1'	2798	106°21.4'	3237
11	65°51.0'	2739	78°09.8'	2772	101°46.7'	2710	119°53.6'	2793	105°52.9'	3230
12	66°22.9'	2734	78°41.4'	2767	101°14.5'	2705	120°25.1'	2788	105°24.4'	3222
13	66°54.9'	2729	79°13.2'	2762	100°42.3'	2700	120°56.7'	2784	104°55.8'	3214
14	67°26.9'	2724	79°44.9'	2756	100°10.1'	2695	121°28.3'	2779	104°27.2'	3207
15	67°58.9'	2719	80°16.7'	2751	99°37.8'	2690	121°59.9'	2774	103°58.5'	3199
16	68°31.0'	2713	80°48.6'	2746	99°05.5'	2685	122°31.6'	2769	103°29.8'	3192
17	69°03.1'	2708	81°20.5'	2741	98°33.2'	2680	123°03.3'	2764	103°01.0'	3185
18	69°35.3'	2703	81°52.4'	2736	98°00.8'	2675	123°35.1'	2759	102°32.2'	3178
19	70°07.5'	2698	82°24.3'	2730	97°28.4'	2670	124°06.9'	2754	102°03.4'	3171
20	70°39.7'	2693	82°56.3'	2725	96°56.0'	2664	124°38.7'	2749	101°34.4'	3164
21	71°12.0'	2688	83°28.4'	2720	96°23.5'	2659	125°10.5'	2744	101°05.5'	3157
22	71°44.3'	2683	84°00.5'	2715	95°51.0'	2654	125°42.4'	2739	100°36.5'	3150
23	72°16.7'	2678	84°32.6'	2709	95°18.4'	2649	126°14.4'	2734	100°07.4'	3143

Tue Oct 3, 2017 UTC

UTC	+Saturn		+Antares		-Aldebaran		-Betelgeuse		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	72°49.1'	2672	85°04.7'	2704	94°45.8'	2644	112°33.1'	2753	43°50.7'	3887
1	73°21.5'	2667	85°36.9'	2699	94°13.2'	2639	112°01.3'	2747	44°15.2'	3857
2	73°54.0'	2662	86°09.1'	2694	93°40.5'	2634	111°29.4'	2741	44°39.9'	3829
3	74°26.5'	2657	86°41.4'	2689	93°07.8'	2629	110°57.5'	2735	45°04.8'	3801
4	74°59.0'	2652	87°13.7'	2684	92°35.0'	2624	110°25.5'	2730	45°29.8'	3774
5	75°31.6'	2647	87°46.1'	2679	92°02.2'	2619	109°53.5'	2724	45°54.9'	3747
6	76°04.2'	2642	88°18.4'	2673	91°29.4'	2614	109°21.5'	2718	46°20.3'	3722
7	76°36.9'	2636	88°50.9'	2668	90°56.5'	2609	108°49.4'	2712	46°45.7'	3697
8	77°09.6'	2631	89°23.3'	2663	90°23.6'	2604	108°17.3'	2707	47°11.3'	3672
9	77°42.3'	2626	89°55.8'	2658	89°50.7'	2598	107°45.1'	2701	47°37.1'	3649
10	78°15.1'	2621	90°28.3'	2653	89°17.7'	2593	107°12.9'	2695	48°03.0'	3625
11	78°47.9'	2616	91°00.9'	2648	88°44.7'	2588	106°40.6'	2690	48°29.0'	3603
12	79°20.7'	2611	91°33.5'	2643	88°11.6'	2583	106°08.3'	2684	48°55.2'	3581
13	79°53.6'	2606	92°06.2'	2638	87°38.5'	2578	105°36.0'	2678	49°21.5'	3559
14	80°26.5'	2601	92°38.9'	2633	87°05.4'	2573	105°03.6'	2673	49°47.9'	3538
15	80°59.5'	2596	93°11.6'	2628	86°32.2'	2568	104°31.2'	2667	50°14.5'	3518
16	81°32.5'	2591	93°44.3'	2623	85°59.0'	2563	103°58.7'	2662	50°41.2'	3498
17	82°05.6'	2586	94°17.1'	2618	85°25.7'	2558	103°26.2'	2656	51°08.0'	3478
18	82°38.6'	2581	94°50.0'	2613	84°52.4'	2553	102°53.7'	2651	51°35.0'	3459
19	83°11.8'	2576	95°22.8'	2608	84°19.1'	2548	102°21.1'	2646	52°02.0'	3440
20	83°44.9'	2571	95°55.8'	2604	83°45.7'	2543	101°48.4'	2640	52°29.2'	3422
21	84°18.1'	2566	96°28.7'	2599	83°12.3'	2538	101°15.8'	2635	52°56.5'	3404
22	84°51.3'	2561	97°01.7'	2594	82°38.9'	2533	100°43.1'	2630	53°23.9'	3387
23	85°24.6'	2556	97°34.7'	2589	82°05.4'	2528	100°10.3'	2624	53°51.4'	3370

Wed Oct 4, 2017 UTC

UTC	-Aldebaran		+Saturn		+Antares		-Betelgeuse		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	81°31.9'	2524	85°57.9'	2551	98°07.8'	2584	99°37.5'	2619	54°19.0'	3353
1	80°58.3'	2519	86°31.3'	2546	98°40.8'	2580	99°04.7'	2614	54°46.7'	3337
2	80°24.7'	2514	87°04.7'	2541	99°14.0'	2575	98°31.8'	2609	55°14.5'	3321
3	79°51.1'	2509	87°38.1'	2536	99°47.1'	2570	97°58.9'	2604	55°42.5'	3305
4	79°17.4'	2504	88°11.5'	2531	100°20.3'	2566	97°26.0'	2599	56°10.5'	3290
5	78°43.7'	2499	88°45.0'	2527	100°53.6'	2561	96°53.0'	2594	56°38.6'	3275
6	78°10.0'	2495	89°18.6'	2522	101°26.8'	2557	96°20.0'	2589	57°06.8'	3261
7	77°36.2'	2490	89°52.1'	2517	102°00.1'	2552	95°46.9'	2584	57°35.2'	3246
8	77°02.4'	2485	90°25.7'	2512	102°33.5'	2548	95°13.8'	2579	58°03.6'	3232
9	76°28.5'	2480	90°59.4'	2508	103°06.8'	2543	94°40.7'	2574	58°32.1'	3219
10	75°54.6'	2476	91°33.1'	2503	103°40.3'	2539	94°07.5'	2569	59°00.7'	3205
11	75°20.7'	2471	92°06.8'	2498	104°13.7'	2534	93°34.3'	2564	59°29.4'	3192
12	74°46.7'	2466	92°40.5'	2493	104°47.2'	2530	93°01.1'	2560	59°58.1'	3179
13	74°12.7'	2462	93°14.3'	2489	105°20.7'	2526	92°27.8'	2555	60°27.0'	3167
14	73°38.7'	2457	93°48.2'	2484	105°54.2'	2522	91°54.5'	2550	60°55.9'	3154
15	73°04.6'	2452	94°22.0'	2480	106°27.8'	2517	91°21.1'	2546	61°25.0'	3142
16	72°30.5'	2448	94°55.9'	2475	107°01.4'	2513	90°47.7'	2541	61°54.1'	3130
17	71°56.3'	2443	95°29.9'	2471	107°35.0'	2509	90°14.3'	2537	62°23.2'	3119
18	71°22.1'	2439	96°03.8'	2466	108°08.7'	2505	89°40.9'	2532	62°52.5'	3107
19	70°47.9'	2434	96°37.8'	2462	108°42.4'	2501	89°07.4'	2528	63°21.8'	3096
20	70°13.7'	2430	97°11.9'	2457	109°16.1'	2497	88°33.8'	2523	63°51.2'	3085
21	69°39.4'	2425	97°45.9'	2453	109°49.9'	2493	88°00.3'	2519	64°20.7'	3075
22	69°05.1'	2421	98°20.1'	2448	110°23.7'	2489	87°26.7'	2515	64°50.3'	3064
23	68°30.7'	2417	98°54.2'	2444	110°57.5'	2485	86°53.1'	2510	65°19.9'	3054

Thu Oct 5, 2017 UTC

UTC	−Aldebaran		−Betelgeuse		+Saturn		+Formalhaut		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	67°56.3′	2412	86°19.4′	2506	99°28.4′	2440	32°26.6′	3540	65°49.6′	3044
1	67°21.9′	2408	85°45.7′	2502	100°02.6′	2436	32°53.2′	3501	66°19.4′	3034
2	66°47.4′	2404	85°12.0′	2498	100°36.8′	2431	33°20.0′	3464	66°49.2′	3025
3	66°12.9′	2400	84°38.2′	2494	101°11.1′	2427	33°47.0′	3428	67°19.1′	3015
4	65°38.4′	2396	84°04.4′	2490	101°45.4′	2423	34°14.3′	3393	67°49.1′	3006
5	65°03.8′	2391	83°30.6′	2486	102°19.8′	2419	34°41.7′	3360	68°19.1′	2997
6	64°29.2′	2387	82°56.8′	2482	102°54.1′	2415	35°09.4′	3329	68°49.2′	2988
7	63°54.6′	2383	82°22.9′	2478	103°28.6′	2411	35°37.3′	3298	69°19.4′	2980
8	63°20.0′	2379	81°49.0′	2475	104°03.0′	2407	36°05.4′	3269	69°49.6′	2971
9	62°45.3′	2375	81°15.0′	2471	104°37.5′	2403	36°33.6′	3241	70°19.9′	2963
10	62°10.5′	2371	80°41.1′	2467	105°12.0′	2399	37°02.1′	3214	70°50.2′	2955
11	61°35.8′	2367	80°07.1′	2464	105°46.5′	2395	37°30.7′	3188	71°20.6′	2947
12	61°01.0′	2363	79°33.0′	2460	106°21.1′	2391	37°59.5′	3163	71°51.0′	2939
13	60°26.2′	2360	78°59.0′	2457	106°55.7′	2387	38°28.5′	3139	72°21.5′	2932
14	59°51.3′	2356	78°24.9′	2453	107°30.3′	2384	38°57.6′	3115	72°52.1′	2924
15	59°16.4′	2352	77°50.8′	2450	108°05.0′	2380	39°26.9′	3093	73°22.7′	2917
16	58°41.5′	2348	77°16.7′	2447	108°39.6′	2376	39°56.3′	3071	73°53.3′	2910
17	58°06.6′	2345	76°42.5′	2443	109°14.4′	2373	40°25.9′	3050	74°24.0′	2903
18	57°31.6′	2341	76°08.3′	2440	109°49.1′	2369	40°55.6′	3030	74°54.8′	2896
19	56°56.6′	2337	75°34.1′	2437	110°23.9′	2365	41°25.5′	3011	75°25.6′	2890
20	56°21.6′	2334	74°59.9′	2434	110°58.7′	2362	41°55.5′	2992	75°56.4′	2884
21	55°46.5′	2330	74°25.6′	2431	111°33.5′	2358	42°25.6′	2974	76°27.3′	2877
22	55°11.4′	2327	73°51.4′	2428	112°08.4′	2355	42°55.9′	2956	76°58.2′	2871
23	54°36.3′	2323	73°17.1′	2426	112°43.3′	2352	43°26.2′	2939	77°29.2′	2865

Fri Oct 6, 2017 UTC

UTC	−Aldebaran		−Betelgeuse		+Formalhaut		−Pollux		−Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	54°01.2′	2320	72°42.7′	2423	43°56.7′	2923	98°02.0′	2377	98°38.1′	2447
1	53°26.0′	2317	72°08.4′	2420	44°27.3′	2907	97°27.3′	2373	98°03.9′	2443
2	52°50.8′	2313	71°34.0′	2418	44°58.0′	2892	96°52.5′	2370	97°29.7′	2439
3	52°15.6′	2310	70°59.6′	2415	45°28.9′	2877	96°17.8′	2366	96°55.5′	2436
4	51°40.4′	2307	70°25.2′	2413	45°59.8′	2863	95°43.0′	2363	96°21.3′	2432
5	51°05.1′	2304	69°50.8′	2410	46°30.9′	2849	95°08.1′	2360	95°47.0′	2429
6	50°29.8′	2300	69°16.4′	2408	47°02.0′	2835	94°33.3′	2357	95°12.7′	2425
7	49°54.4′	2297	68°41.9′	2406	47°33.2′	2822	93°58.4′	2353	94°38.4′	2422
8	49°19.1′	2294	68°07.4′	2404	48°04.6′	2809	93°23.5′	2350	94°04.0′	2419
9	48°43.7′	2291	67°32.9′	2402	48°36.0′	2797	92°48.6′	2347	93°29.7′	2416
10	48°08.3′	2288	66°58.4′	2400	49°07.5′	2785	92°13.7′	2344	92°55.3′	2413
11	47°32.9′	2286	66°23.9′	2398	49°39.1′	2774	91°38.7′	2341	92°20.8′	2410
12	46°57.4′	2283	65°49.3′	2396	50°10.8′	2762	91°03.7′	2338	91°46.4′	2407
13	46°22.0′	2280	65°14.8′	2394	50°42.5′	2751	90°28.7′	2336	91°11.9′	2404
14	45°46.5′	2277	64°40.2′	2393	51°14.4′	2741	89°53.6′	2333	90°37.4′	2401
15	45°11.0′	2275	64°05.6′	2391	51°46.3′	2731	89°18.6′	2330	90°02.9′	2398
16	44°35.4′	2272	63°31.0′	2390	52°18.3′	2721	88°43.5′	2328	89°28.4′	2396
17	43°59.9′	2269	62°56.4′	2389	52°50.4′	2711	88°08.4′	2325	88°53.8′	2393
18	43°24.3′	2267	62°21.8′	2387	53°22.5′	2702	87°33.2′	2323	88°19.2′	2391
19	42°48.7′	2264	61°47.2′	2386	53°54.7′	2693	86°58.1′	2320	87°44.6′	2388
20	42°13.1′	2262	61°12.5′	2385	54°27.0′	2684	86°22.9′	2318	87°10.0′	2386
21	41°37.4′	2259	60°37.9′	2384	54°59.3′	2675	85°47.7′	2315	86°35.4′	2384
22	41°01.8′	2257	60°03.2′	2383	55°31.7′	2667	85°12.5′	2313	86°00.7′	2382
23	40°26.1′	2255	59°28.6′	2383	56°04.2′	2659	84°37.3′	2311	85°26.0′	2380

Sat Oct 7, 2017 UTC

UTC	−Aldebaran		−Betelgeuse		+Formalhaut		−Pollux		−Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	39°50.4'	2253	58°53.9'	2382	56°36.7'	2651	84°02.1'	2309	84°51.4'	2378
1	39°14.7'	2250	58°19.3'	2381	57°09.3'	2644	83°26.8'	2307	84°16.7'	2376
2	38°38.9'	2248	57°44.6'	2381	57°41.9'	2636	82°51.5'	2305	83°41.9'	2374
3	38°03.2'	2246	57°09.9'	2381	58°14.6'	2629	82°16.2'	2303	83°07.2'	2372
4	37°27.4'	2244	56°35.2'	2381	58°47.4'	2622	81°40.9'	2301	82°32.4'	2370
5	36°51.6'	2242	56°00.5'	2381	59°20.2'	2616	81°05.6'	2299	81°57.7'	2369
6	36°15.8'	2240	55°25.9'	2381	59°53.0'	2609	80°30.3'	2297	81°22.9'	2367
7	35°40.0'	2238	54°51.2'	2381	60°26.0'	2603	79°54.9'	2296	80°48.1'	2366
8	35°04.2'	2237	54°16.5'	2381	60°58.9'	2597	79°19.5'	2294	80°13.3'	2364
9	34°28.3'	2235	53°41.8'	2382	61°31.9'	2591	78°44.2'	2292	79°38.5'	2363
10	33°52.4'	2233	53°07.2'	2382	62°04.9'	2585	78°08.8'	2291	79°03.7'	2362
11	33°16.6'	2231	52°32.5'	2383	62°38.0'	2580	77°33.4'	2289	78°28.9'	2361
12	32°40.7'	2230	51°57.8'	2384	63°11.1'	2574	76°57.9'	2288	77°54.0'	2360
13	32°04.8'	2228	51°23.2'	2385	63°44.3'	2569	76°22.5'	2287	77°19.2'	2359
14	31°28.8'	2227	50°48.5'	2386	64°17.5'	2564	75°47.1'	2285	76°44.3'	2358
15	30°52.9'	2225	50°13.9'	2387	64°50.8'	2559	75°11.6'	2284	76°09.5'	2357
16	30°17.0'	2224	49°39.3'	2389	65°24.0'	2555	74°36.2'	2283	75°34.6'	2356
17	29°41.0'	2222	49°04.6'	2390	65°57.4'	2550	74°00.7'	2282	74°59.7'	2356
18	29°05.0'	2221	48°30.0'	2392	66°30.7'	2546	73°25.2'	2281	74°24.8'	2355
19	28°29.1'	2220	47°55.4'	2394	67°04.1'	2542	72°49.7'	2280	73°49.9'	2355
20	27°53.1'	2219	47°20.9'	2396	67°37.5'	2538	72°14.3'	2279	73°15.1'	2354
21	27°17.1'	2217	46°46.3'	2399	68°11.0'	2534	71°38.8'	2279	72°40.2'	2354
22	26°41.1'	2216	46°11.8'	2401	68°44.4'	2530	71°03.3'	2278	72°05.3'	2354
23	26°05.0'	2215	45°37.3'	2404	69°18.0'	2527	70°27.7'	2277	71°30.4'	2354

Sun Oct 8, 2017 UTC

UTC	−Aldebaran		−Betelgeuse		−Pollux		−Procyon		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	25°29.0'	2214	45°02.8'	2407	69°52.2'	2277	70°55.5'	2354	69°51.5'	2523
1	24°53.0'	2213	44°28.3'	2410	69°16.7'	2276	70°20.6'	2354	70°25.0'	2520
2	24°16.9'	2212	43°53.9'	2414	68°41.2'	2276	69°45.7'	2354	70°58.6'	2517
3	23°40.9'	2212	43°19.4'	2417	68°05.7'	2275	69°10.8'	2354	71°32.2'	2513
4	23°04.8'	2211	42°45.1'	2421	67°30.1'	2275	68°35.9'	2354	72°05.9'	2511
5	22°28.8'	2210	42°10.7'	2426	66°54.6'	2275	68°01.0'	2355	72°39.5'	2508
6	21°52.7'	2209	41°36.4'	2430	66°19.1'	2275	67°26.1'	2355	73°13.2'	2505
7	21°16.6'	2209	41°02.1'	2435	65°43.5'	2275	66°51.2'	2356	73°46.9'	2503
8	20°40.5'	2208	40°27.8'	2440	65°08.0'	2275	66°16.4'	2357	74°20.6'	2500
9	20°04.5'	2208	39°53.6'	2445	64°32.4'	2275	65°41.5'	2358	74°54.4'	2498
10	19°28.4'	2207	39°19.5'	2451	63°56.9'	2275	65°06.6'	2359	75°28.1'	2496
11	18°52.3'	2207	38°45.3'	2457	63°21.4'	2275	64°31.8'	2360	76°01.9'	2494
12	18°16.2'	2207	38°11.2'	2463	62°45.8'	2275	63°56.9'	2361	76°35.7'	2492
13	17°40.1'	2206	37°37.2'	2470	62°10.3'	2276	63°22.1'	2362	77°09.5'	2490
14	17°04.0'	2206	37°03.2'	2477	61°34.8'	2276	62°47.2'	2363	77°43.3'	2488
15	16°27.9'	2206	36°29.3'	2485	60°59.3'	2277	62°12.4'	2365	78°17.2'	2487
16	15°51.8'	2206	35°55.5'	2493	60°23.7'	2277	61°37.6'	2366	78°51.0'	2485
17	15°15.7'	2206	35°21.7'	2501	59°48.2'	2278	61°02.8'	2368	79°24.9'	2484
18	14°39.6'	2206	34°47.9'	2510	59°12.7'	2279	60°28.0'	2370	79°58.7'	2483
19	14°03.5'	2206	34°14.3'	2520	58°37.2'	2280	59°53.3'	2372	80°32.6'	2481
20	13°27.4'	2207	33°40.7'	2530	58°01.7'	2281	59°18.5'	2374	81°06.5'	2480
21	12°51.3'	2207	33°07.2'	2540	57°26.2'	2281	58°43.8'	2376	81°40.4'	2479
22	12°15.2'	2207	32°33.7'	2552	56°50.7'	2283	58°09.1'	2378	82°14.3'	2479
23	11°39.1'	2208	32°00.4'	2564	56°15.3'	2284	57°34.4'	2381	82°48.2'	2478

Mon Oct 9, 2017 UTC

UTC	−Aldebaran		−Betelgeuse		−Pollux		−Procyon		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	11°03.0′	2209	31°27.2′	2577	55°39.8′	2285	56°59.7′	2383	83°22.1′	2477
1	10°26.9′	2210	30°54.0′	2590	55°04.4′	2286	56°25.0′	2386	83°56.0′	2477
2	9°50.8′	2211	30°21.0′	2604	54°28.9′	2288	55°50.4′	2389	84°29.9′	2476
3	9°14.8′	2212	29°48.0′	2620	53°53.5′	2289	55°15.8′	2392	85°03.9′	2476
4	8°38.7′	2214	29°15.2′	2636	53°18.1′	2291	54°41.2′	2395	85°37.8′	2476
5	8°02.7′	2216	28°42.5′	2653	52°42.7′	2293	54°06.6′	2398	86°11.7′	2476
6	7°26.7′	2219	28°09.9′	2672	52°07.3′	2294	53°32.1′	2401	86°45.6′	2476
7	6°50.7′	2222	27°37.5′	2691	51°31.9′	2296	52°57.6′	2405	87°19.6′	2476
8	6°14.7′	2226	27°05.2′	2712	50°56.5′	2298	52°23.1′	2409	87°53.5′	2476
9	5°38.8′	2232	26°33.1′	2734	50°21.2′	2300	51°48.6′	2412	88°27.4′	2476
10	5°02.9′	2240	26°01.1′	2758	49°45.9′	2302	51°14.2′	2416	89°01.4′	2477
11	4°27.0′	2251	25°29.3′	2784	49°10.5′	2305	50°39.8′	2421	89°35.3′	2477
12	3°51.3′	2268	24°57.7′	2811	48°35.3′	2307	50°05.4′	2425	90°09.2′	2478
13	3°15.7′	2296	24°26.3′	2840	47°60.0′	2310	49°31.1′	2430	90°43.1′	2478
14	2°40.4′	2349	23°55.1′	2872	47°24.7′	2312	48°56.8′	2434	91°17.0′	2479
15	–	–	23°24.1′	2906	46°49.5′	2315	48°22.5′	2439	91°50.9′	2480
16	–	–	22°53.4′	2942	46°14.3′	2318	47°48.3′	2444	92°24.8′	2481
17	–	–	22°22.9′	2982	45°39.1′	2321	47°14.2′	2450	92°58.7′	2482
18	–	–	21°52.7′	3024	45°03.9′	2324	46°40.0′	2455	93°32.6′	2483
19	–	–	21°22.8′	3070	44°28.8′	2327	46°05.9′	2461	94°06.5′	2484
20	–	–	20°53.2′	3120	43°53.7′	2331	45°31.9′	2467	94°40.3′	2486
21	–	–	20°24.0′	3174	43°18.6′	2334	44°57.9′	2474	95°14.2′	2487
22	2°16.9′	2334	19°55.1′	3232	42°43.6′	2338	44°23.9′	2480	95°48.0′	2488
23	2°52.0′	2294	19°26.6′	3296	42°08.5′	2342	43°50.1′	2487	96°21.9′	2490

Tue Oct 10, 2017 UTC

UTC	+Aldebaran		−Pollux		−Procyon		−Regulus		−Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	3°27.4′	2271	41°33.5′	2346	43°16.2′	2494	76°43.2′	2216	18°58.5′	3366
1	4°02.9′	2258	40°58.6′	2350	42°42.4′	2502	76°07.2′	2217	18°30.9′	3443
2	4°38.6′	2250	40°23.7′	2354	42°08.7′	2509	75°31.2′	2218	18°03.7′	3526
3	5°14.3′	2244	39°48.8′	2359	41°35.0′	2517	74°55.2′	2219	17°37.1′	3618
4	5°50.1′	2241	39°13.9′	2364	41°01.4′	2526	74°19.2′	2220	17°11.0′	3719
5	6°25.9′	2238	38°39.1′	2369	40°27.9′	2535	73°43.2′	2221	16°45.5′	3831
6	7°01.8′	2237	38°04.3′	2374	39°54.4′	2544	73°07.2′	2222	16°20.7′	3954
7	7°37.6′	2236	37°29.6′	2379	39°21.0′	2553	72°31.2′	2224	15°56.5′	4091
8	8°13.5′	2235	36°54.9′	2385	38°47.7′	2563	71°55.3′	2225	–	–
9	8°49.3′	2235	36°20.3′	2391	38°14.4′	2574	71°19.3′	2226	–	–
10	9°25.2′	2236	35°45.7′	2397	37°41.2′	2584	70°43.4′	2227	–	–
11	10°01.1′	2236	35°11.1′	2403	37°08.2′	2596	70°07.5′	2229	–	–
12	10°36.9′	2237	34°36.6′	2410	36°35.2′	2608	69°31.5′	2230	–	–
13	11°12.8′	2237	34°02.2′	2417	36°02.2′	2620	68°55.6′	2231	–	–
14	11°48.6′	2238	33°27.8′	2424	35°29.4′	2633	68°19.8′	2233	–	–
15	12°24.5′	2239	32°53.4′	2432	34°56.7′	2647	67°43.9′	2234	–	–
16	13°00.3′	2240	32°19.2′	2440	34°24.1′	2661	67°08.0′	2236	–	–
17	13°36.1′	2241	31°45.0′	2449	33°51.6′	2676	66°32.1′	2237	–	–
18	14°11.9′	2242	31°10.8′	2458	33°19.2′	2691	65°56.3′	2239	–	–
19	14°47.7′	2244	30°36.7′	2467	32°46.9′	2708	65°20.5′	2240	–	–
20	15°23.5′	2245	30°02.7′	2477	32°14.7′	2725	64°44.6′	2242	–	–
21	15°59.3′	2246	29°28.8′	2487	31°42.7′	2743	64°08.8′	2243	–	–
22	16°35.1′	2248	28°55.0′	2498	31°10.8′	2763	63°33.0′	2245	–	–
23	17°10.8′	2249	28°21.2′	2510	30°39.0′	2783	62°57.3′	2247	–	–

Wed Oct 11, 2017 UTC

UTC	−Sun		+Aldebaran		−Pollux		−Regulus		−Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	109°58.8′	2573	17°46.6′	2251	27°47.6′	2522	62°21.5′	2248	30°07.4′	2804
1	109°25.6′	2574	18°22.3′	2252	27°14.0′	2535	61°45.7′	2250	29°35.9′	2827
2	108°52.4′	2576	18°58.0′	2254	26°40.5′	2549	61°10.0′	2252	29°04.6′	2850
3	108°19.3′	2578	19°33.7′	2255	26°07.2′	2564	60°34.3′	2253	28°33.5′	2875
4	107°46.1′	2580	20°09.4′	2257	25°33.9′	2579	59°58.6′	2255	28°02.6′	2902
5	107°13.0′	2582	20°45.1′	2259	25°00.8′	2596	59°22.9′	2257	27°31.8′	2930
6	106°39.9′	2583	21°20.8′	2260	24°27.8′	2613	58°47.2′	2259	27°01.3′	2960
7	106°06.8′	2585	21°56.4′	2262	23°54.9′	2632	58°11.5′	2261	26°30.9′	2992
8	105°33.7′	2587	22°32.1′	2264	23°22.2′	2652	57°35.9′	2262	26°00.8′	3025
9	105°00.6′	2589	23°07.7′	2266	22°49.6′	2674	57°00.2′	2264	25°30.9′	3061
10	104°27.6′	2591	23°43.3′	2267	22°17.2′	2697	56°24.6′	2266	25°01.2′	3100
11	103°54.5′	2593	24°18.9′	2269	21°44.9′	2722	55°49.0′	2268	24°31.8′	3140
12	103°21.5′	2595	24°54.5′	2271	21°12.9′	2748	55°13.4′	2270	24°02.7′	3184
13	102°48.5′	2597	25°30.0′	2273	20°41.0′	2777	54°37.8′	2272	23°33.9′	3231
14	102°15.5′	2599	26°05.6′	2275	20°09.4′	2809	54°02.3′	2274	23°05.4′	3281
15	101°42.5′	2601	26°41.1′	2277	19°37.9′	2843	53°26.7′	2276	22°37.2′	3335
16	101°09.6′	2603	27°16.7′	2279	19°06.7′	2879	52°51.2′	2278	22°09.4′	3392
17	100°36.6′	2606	27°52.2′	2281	18°35.8′	2920	52°15.7′	2280	21°41.9′	3454
18	100°03.7′	2608	28°27.7′	2282	18°05.2′	2964	51°40.2′	2282	21°14.8′	3521
19	99°30.8′	2610	29°03.1′	2284	17°34.9′	3012	51°04.7′	2284	20°48.1′	3594
20	98°57.9′	2612	29°38.6′	2286	17°04.9′	3065	50°29.2′	2286	20°21.9′	3672
21	98°25.0′	2614	30°14.0′	2288	16°35.3′	3123	49°53.8′	2288	19°56.1′	3756
22	97°52.1′	2616	30°49.4′	2290	16°06.0′	3187	49°18.4′	2290	19°30.9′	3848
23	97°19.3′	2619	31°24.9′	2292	15°37.2′	3258	48°42.9′	2292	19°06.1′	3948

Thu Oct 12, 2017 UTC

UTC	−Sun		+Aldebaran		−Regulus		−Mars		−Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	96°46.4′	2621	32°00.2′	2295	48°07.5′	2294	71°13.9′	2493	15°08.9′	3338
1	96°13.6′	2623	32°35.6′	2297	47°32.2′	2296	70°40.1′	2495	14°41.1′	3426
2	95°40.8′	2625	33°11.0′	2299	46°56.8′	2298	70°06.3′	2498	14°13.8′	3525
3	95°08.1′	2628	33°46.3′	2301	46°21.4′	2300	69°32.5′	2500	13°47.1′	3636
4	94°35.3′	2630	34°21.6′	2303	45°46.1′	2302	68°58.8′	2502	13°21.2′	3761
5	94°02.5′	2632	34°57.0′	2305	45°10.8′	2304	68°25.1′	2504	–	–
6	93°29.8′	2635	35°32.2′	2307	44°35.5′	2306	67°51.4′	2507	–	–
7	92°57.1′	2637	36°07.5′	2309	44°00.2′	2309	67°17.7′	2509	–	–
8	92°24.4′	2639	36°42.8′	2311	43°25.0′	2311	66°44.0′	2511	–	–
9	91°51.7′	2642	37°18.0′	2314	42°49.7′	2313	66°10.4′	2514	–	–
10	91°19.1′	2644	37°53.2′	2316	42°14.5′	2315	65°36.7′	2516	–	–
11	90°46.4′	2646	38°28.4′	2318	41°39.3′	2317	65°03.1′	2518	–	–
12	90°13.8′	2649	39°03.6′	2320	41°04.1′	2320	64°29.5′	2521	–	–
13	89°41.2′	2651	39°38.8′	2322	40°28.9′	2322	63°55.9′	2523	–	–
14	89°08.6′	2654	40°13.9′	2325	39°53.8′	2324	63°22.4′	2525	–	–
15	88°36.1′	2656	40°49.1′	2327	39°18.6′	2326	62°48.8′	2528	–	–
16	88°03.5′	2659	41°24.2′	2329	38°43.5′	2329	62°15.3′	2530	–	–
17	87°31.0′	2661	41°59.3′	2331	38°08.4′	2331	61°41.8′	2532	–	–
18	86°58.5′	2664	42°34.4′	2333	37°33.4′	2333	61°08.3′	2535	–	–
19	86°26.0′	2666	43°09.4′	2336	36°58.3′	2335	60°34.8′	2537	–	–
20	85°53.5′	2669	43°44.5′	2338	36°23.2′	2338	60°01.4′	2540	–	–
21	85°21.0′	2671	44°19.5′	2340	35°48.2′	2340	59°27.9′	2542	–	–
22	84°48.6′	2674	44°54.5′	2343	35°13.2′	2342	58°54.5′	2545	–	–
23	84°16.2′	2676	45°29.5′	2345	34°38.2′	2345	58°21.1′	2547	–	–

Fri Oct 13, 2017 UTC

UTC	-Sun		-Regulus		+Aldebaran		+Betelgeuse		-Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	83°43.8'	2679	34°03.3'	2347	46°04.4'	2347	30°01.5'	2743	57°47.8'	2549
1	83°11.4'	2681	33°28.3'	2349	46°39.4'	2349	30°33.4'	2732	57°14.4'	2552
2	82°39.1'	2684	32°53.4'	2351	47°14.3'	2352	31°05.4'	2722	56°41.1'	2554
3	82°06.7'	2686	32°18.5'	2354	47°49.2'	2354	31°37.5'	2712	56°07.7'	2557
4	81°34.4'	2689	31°43.6'	2356	48°24.1'	2356	32°09.6'	2703	55°34.4'	2559
5	81°02.1'	2692	31°08.7'	2358	48°59.0'	2359	32°41.8'	2695	55°01.2'	2562
6	80°29.8'	2694	30°33.8'	2361	49°33.9'	2361	33°14.1'	2687	54°27.9'	2564
7	79°57.5'	2697	29°59.0'	2363	50°08.7'	2363	33°46.4'	2679	53°54.6'	2567
8	79°25.3'	2699	29°24.2'	2366	50°43.5'	2366	34°18.8'	2672	53°21.4'	2569
9	78°53.1'	2702	28°49.4'	2368	51°18.3'	2368	34°51.2'	2666	52°48.2'	2572
10	78°20.9'	2705	28°14.6'	2370	51°53.1'	2371	35°23.7'	2660	52°15.0'	2574
11	77°48.7'	2707	27°39.8'	2373	52°27.8'	2373	35°56.2'	2654	51°41.9'	2577
12	77°16.5'	2710	27°05.1'	2375	53°02.6'	2375	36°28.7'	2649	51°08.7'	2579
13	76°44.3'	2713	26°30.3'	2377	53°37.3'	2378	37°01.4'	2644	50°35.6'	2582
14	76°12.2'	2715	25°55.6'	2380	54°12.0'	2380	37°34.0'	2640	50°02.5'	2585
15	75°40.1'	2718	25°20.9'	2382	54°46.7'	2382	38°06.7'	2636	49°29.4'	2587
16	75°08.0'	2721	24°46.3'	2385	55°21.4'	2385	38°39.4'	2632	48°56.3'	2590
17	74°36.0'	2723	24°11.6'	2387	55°56.0'	2387	39°12.1'	2628	48°23.3'	2592
18	74°03.9'	2726	23°37.0'	2389	56°30.6'	2390	39°44.9'	2625	47°50.2'	2595
19	73°31.9'	2729	23°02.4'	2392	57°05.3'	2392	40°17.6'	2621	47°17.2'	2597
20	72°59.9'	2731	22°27.8'	2394	57°39.8'	2394	40°50.5'	2619	46°44.2'	2600
21	72°27.9'	2734	21°53.2'	2397	58°14.4'	2397	41°23.3'	2616	46°11.3'	2603
22	71°55.9'	2737	21°18.7'	2399	58°49.0'	2399	41°56.1'	2614	45°38.3'	2605
23	71°24.0'	2740	20°44.1'	2402	59°23.5'	2402	42°29.0'	2611	45°05.4'	2608

Sat Oct 14, 2017 UTC

UTC	-Sun		-Regulus		+Betelgeuse		+Aldebaran		-Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	70°52.0'	2742	20°09.6'	2404	43°01.9'	2609	59°58.0'	2404	44°32.5'	2610
1	70°20.1'	2745	19°35.1'	2406	43°34.8'	2607	60°32.5'	2407	43°59.6'	2613
2	69°48.2'	2748	19°00.7'	2409	44°07.7'	2606	61°07.0'	2409	43°26.7'	2616
3	69°16.4'	2751	18°26.2'	2411	44°40.6'	2604	61°41.4'	2411	42°53.8'	2618
4	68°44.5'	2753	17°51.8'	2414	45°13.6'	2603	62°15.9'	2414	42°21.0'	2621
5	68°12.7'	2756	17°17.3'	2416	45°46.5'	2602	62°50.3'	2416	41°48.2'	2624
6	67°40.9'	2759	16°43.0'	2419	46°19.5'	2601	63°24.7'	2419	41°15.4'	2626
7	67°09.1'	2762	16°08.6'	2421	46°52.5'	2600	63°59.1'	2421	40°42.6'	2629
8	66°37.3'	2765	15°34.2'	2424	47°25.4'	2599	64°33.4'	2424	40°09.9'	2632
9	66°05.6'	2767	14°59.9'	2426	47°58.4'	2598	65°07.8'	2426	39°37.1'	2634
10	65°33.8'	2770	14°25.6'	2429	48°31.4'	2598	65°42.1'	2429	39°04.4'	2637
11	65°02.1'	2773	13°51.3'	2431	49°04.4'	2597	66°16.4'	2431	38°31.7'	2640
12	64°30.4'	2776	13°17.0'	2434	49°37.4'	2597	66°50.7'	2433	37°59.1'	2643
13	63°58.8'	2779	12°42.7'	2436	50°10.4'	2597	67°24.9'	2436	37°26.4'	2645
14	63°27.1'	2782	12°08.5'	2439	50°43.4'	2597	67°59.2'	2438	36°53.8'	2648
15	62°55.5'	2784	11°34.3'	2441	51°16.4'	2597	68°33.4'	2441	36°21.2'	2651
16	62°23.9'	2787	11°00.1'	2444	51°49.4'	2597	69°07.6'	2443	35°48.6'	2654
17	61°52.3'	2790	10°25.9'	2446	52°22.4'	2597	69°41.8'	2446	35°16.0'	2656
18	61°20.8'	2793	9°51.7'	2449	52°55.4'	2597	70°15.9'	2448	34°43.5'	2659
19	60°49.2'	2796	9°17.6'	2452	53°28.4'	2597	70°50.1'	2451	34°10.9'	2662
20	60°17.7'	2799	8°43.5'	2454	54°01.4'	2598	71°24.2'	2453	33°38.4'	2665
21	59°46.2'	2802	8°09.4'	2457	54°34.3'	2598	71°58.3'	2456	33°05.9'	2667
22	59°14.7'	2805	7°35.3'	2460	55°07.3'	2599	72°32.4'	2458	32°33.5'	2670
23	58°43.3'	2808	7°01.2'	2463	55°40.3'	2600	73°06.5'	2461	32°01.0'	2673

Sun Oct 15, 2017 UTC

UTC	-Sun		-Regulus		+Pollux		-Mars		+Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	58°11.9'	2811	6°27.2'	2465	30°48.7'	2679	31°28.6'	2676	56°13.3'	2600
1	57°40.4'	2814	5°53.2'	2468	31°21.0'	2675	30°56.2'	2679	56°46.3'	2601
2	57°09.1'	2817	5°19.2'	2472	31°53.5'	2671	30°23.8'	2682	57°19.2'	2602
3	56°37.7'	2820	4°45.2'	2475	32°25.9'	2667	29°51.5'	2685	57°52.2'	2603
4	56°06.3'	2823	4°11.3'	2479	32°58.4'	2664	29°19.1'	2688	58°25.1'	2604
5	55°35.0'	2826	3°37.4'	2484	33°30.8'	2661	28°46.8'	2691	58°58.1'	2605
6	55°03.7'	2829	3°03.5'	2490	34°03.4'	2658	28°14.5'	2694	59°31.0'	2606
7	54°32.4'	2832	2°29.7'	2499	34°35.9'	2656	27°42.3'	2696	60°03.9'	2607
8	54°01.2'	2835	1°56.0'	2516	35°08.4'	2653	27°10.0'	2699	60°36.9'	2608
9	53°29.9'	2838	1°22.3'	2563	35°41.0'	2651	26°37.8'	2703	61°09.8'	2609
10	52°58.7'	2841	-	-	36°13.6'	2649	26°05.6'	2706	61°42.7'	2610
11	52°27.5'	2844	-	-	36°46.2'	2648	25°33.4'	2709	62°15.6'	2612
12	51°56.4'	2847	-	-	37°18.8'	2646	25°01.3'	2712	62°48.5'	2613
13	51°25.2'	2850	-	-	37°51.4'	2645	24°29.1'	2715	63°21.3'	2615
14	50°54.1'	2853	1°28.4'	2527	38°24.1'	2644	23°57.0'	2718	63°54.2'	2616
15	50°23.0'	2856	2°01.9'	2518	38°56.7'	2643	23°24.9'	2721	64°27.0'	2617
16	49°51.9'	2860	2°35.5'	2514	39°29.4'	2642	22°52.9'	2725	64°59.9'	2619
17	49°20.8'	2863	3°09.1'	2514	40°02.0'	2642	22°20.8'	2728	65°32.7'	2621
18	48°49.8'	2866	3°42.8'	2515	40°34.7'	2641	21°48.8'	2731	66°05.5'	2622
19	48°18.8'	2869	4°16.4'	2516	41°07.3'	2641	21°16.8'	2735	66°38.3'	2624
20	47°47.8'	2872	4°50.0'	2518	41°40.0'	2641	20°44.8'	2738	67°11.1'	2626
21	47°16.8'	2876	5°23.6'	2520	42°12.7'	2641	20°12.9'	2742	67°43.9'	2627
22	46°45.9'	2879	5°57.2'	2522	42°45.3'	2641	19°41.0'	2745	68°16.7'	2629
23	46°15.0'	2882	6°30.8'	2524	43°18.0'	2641	19°09.1'	2749	68°49.4'	2631

Mon Oct 16, 2017 UTC

UTC	-Sun		+Regulus		-Mars		+Pollux		-Venus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	45°44.1'	2886	7°04.3'	2526	18°37.3'	2753	43°50.7'	2641	24°51.2'	2959
1	45°13.2'	2889	7°37.8'	2529	18°05.4'	2757	44°23.3'	2641	24°20.8'	2962
2	44°42.3'	2892	8°11.4'	2531	17°33.6'	2761	44°56.0'	2642	23°50.5'	2966
3	44°11.5'	2896	8°44.9'	2534	17°01.8'	2765	45°28.6'	2642	23°20.1'	2969
4	43°40.7'	2899	9°18.3'	2536	16°30.1'	2769	46°01.3'	2643	22°49.9'	2973
5	43°09.9'	2903	9°51.8'	2539	15°58.4'	2774	46°33.9'	2644	22°19.6'	2976
6	42°39.2'	2906	10°25.2'	2542	15°26.7'	2778	47°06.6'	2644	21°49.4'	2980
7	42°08.5'	2910	10°58.7'	2544	14°55.1'	2783	47°39.2'	2645	21°19.2'	2984
8	41°37.8'	2913	11°32.1'	2547	14°23.4'	2788	48°11.8'	2646	20°49.0'	2988
9	41°07.1'	2917	12°05.4'	2549	13°51.9'	2793	48°44.5'	2647	20°18.8'	2992
10	40°36.4'	2920	12°38.8'	2552	13°20.3'	2799	49°17.1'	2648	19°48.7'	2995
11	40°05.8'	2924	13°12.1'	2555	12°48.8'	2805	49°49.7'	2649	19°18.6'	3000
12	39°35.2'	2928	13°45.5'	2557	12°17.4'	2811	50°22.3'	2650	18°48.5'	3004
13	39°04.6'	2931	14°18.7'	2560	11°46.0'	2818	50°54.9'	2652	18°18.5'	3008
14	38°34.1'	2935	14°52.0'	2563	11°14.6'	2826	51°27.5'	2653	17°48.4'	3012
15	38°03.5'	2939	15°25.3'	2565	10°43.3'	2834	52°00.0'	2654	17°18.5'	3017
16	37°33.0'	2943	15°58.5'	2568	10°12.1'	2843	52°32.6'	2656	16°48.5'	3021
17	37°02.6'	2947	16°31.7'	2571	9°40.9'	2853	53°05.2'	2657	16°18.6'	3026
18	36°32.1'	2951	17°04.9'	2573	9°09.8'	2865	53°37.7'	2659	15°48.7'	3031
19	36°01.7'	2955	17°38.1'	2576	8°38.8'	2878	54°10.2'	2660	15°18.8'	3036
20	35°31.3'	2959	18°11.3'	2579	8°07.8'	2893	54°42.8'	2662	14°49.0'	3042
21	35°01.0'	2963	18°44.4'	2582	7°37.0'	2911	55°15.3'	2663	14°19.2'	3047
22	34°30.6'	2967	19°17.5'	2584	7°06.3'	2933	55°47.8'	2665	13°49.5'	3053
23	34°00.3'	2971	19°50.6'	2587	6°35.8'	2959	56°20.2'	2667	13°19.8'	3060

Tue Oct 17, 2017 UTC

UTC	+Regulus		-Mars		-Venus		+Pollux		+Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	20°23.7'	2590	6°05.4'	2992	12°50.1'	3066	56°52.7'	2669	56°45.3'	2770
1	20°56.7'	2593	5°35.3'	3035	12°20.5'	3073	57°25.2'	2670	57°17.0'	2771
2	21°29.7'	2596	5°05.5'	3090	11°50.9'	3081	57°57.6'	2672	57°48.7'	2772
3	22°02.7'	2598	4°36.0'	3165	11°21.4'	3089	58°30.0'	2674	58°20.4'	2772
4	22°35.7'	2601	4°07.1'	3271	10°52.0'	3098	59°02.4'	2676	58°52.1'	2773
5	23°08.7'	2604	-	-	10°22.6'	3108	59°34.8'	2678	59°23.8'	2774
6	23°41.6'	2607	-	-	9°53.2'	3119	60°07.2'	2680	59°55.4'	2775
7	24°14.6'	2610	-	-	9°24.0'	3132	60°39.6'	2682	60°27.1'	2776
8	24°47.5'	2612	-	-	8°54.8'	3146	61°12.0'	2684	60°58.8'	2777
9	25°20.3'	2615	-	-	8°25.7'	3162	61°44.3'	2686	61°30.4'	2778
10	25°53.2'	2618	-	-	7°56.8'	3180	62°16.6'	2688	62°02.1'	2779
11	26°26.0'	2621	-	-	7°27.9'	3202	62°48.9'	2691	62°33.7'	2781
12	26°58.8'	2624	-	-	6°59.2'	3228	63°21.2'	2693	63°05.3'	2782
13	27°31.6'	2627	-	-	6°30.7'	3260	63°53.5'	2695	63°37.0'	2783
14	28°04.4'	2629	-	-	6°02.3'	3299	64°25.8'	2697	64°08.6'	2785
15	28°37.2'	2632	-	-	5°34.3'	3348	64°58.0'	2699	64°40.2'	2786
16	29°09.9'	2635	-	-	5°06.5'	3412	65°30.2'	2702	65°11.7'	2788
17	29°42.6'	2638	-	-	4°39.2'	3496	66°02.4'	2704	65°43.3'	2789
18	30°15.3'	2641	3°55.0'	3250	4°12.3'	3612	66°34.6'	2706	66°14.9'	2791
19	30°47.9'	2644	4°23.4'	3170	-	-	67°06.8'	2709	66°46.4'	2793
20	31°20.6'	2647	4°52.3'	3113	-	-	67°39.0'	2711	67°18.0'	2795
21	31°53.2'	2650	5°21.6'	3072	-	-	68°11.1'	2714	67°49.5'	2796
22	32°25.8'	2653	5°51.2'	3042	-	-	68°43.2'	2716	68°21.0'	2798
23	32°58.4'	2656	6°21.0'	3019	-	-	69°15.3'	2719	68°52.5'	2800

Wed Oct 18, 2017 UTC

UTC	+Mars		+Regulus		+Pollux		+Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	6°50.9'	3001	33°30.9'	2659	69°47.4'	2721	69°24.0'	2802
1	7°21.0'	2988	34°03.5'	2662	70°19.5'	2724	69°55.5'	2804
2	7°51.1'	2977	34°36.0'	2665	70°51.5'	2726	70°26.9'	2806
3	8°21.3'	2969	35°08.4'	2667	71°23.5'	2729	70°58.4'	2808
4	8°51.6'	2963	35°40.9'	2670	71°55.6'	2731	71°29.8'	2810
5	9°22.0'	2958	36°13.4'	2673	72°27.5'	2734	72°01.2'	2812
6	9°52.3'	2955	36°45.8'	2676	72°59.5'	2737	72°32.6'	2815
7	10°22.7'	2952	37°18.2'	2679	73°31.5'	2739	73°04.0'	2817
8	10°53.1'	2950	37°50.5'	2682	74°03.4'	2742	73°35.4'	2819
9	11°23.5'	2949	38°22.9'	2685	74°35.3'	2745	74°06.7'	2821
10	11°53.9'	2949	38°55.2'	2688	75°07.2'	2747	74°38.1'	2824
11	12°24.4'	2948	39°27.5'	2691	75°39.1'	2750	75°09.4'	2826
12	12°54.8'	2949	39°59.8'	2694	76°10.9'	2753	75°40.7'	2828
13	13°25.2'	2949	40°32.1'	2697	76°42.8'	2755	76°12.0'	2831
14	13°55.7'	2950	41°04.3'	2701	77°14.6'	2758	76°43.2'	2833
15	14°26.1'	2951	41°36.5'	2704	77°46.4'	2761	77°14.5'	2836
16	14°56.5'	2952	42°08.7'	2707	78°18.1'	2764	77°45.7'	2838
17	15°26.9'	2954	42°40.9'	2710	78°49.9'	2767	78°16.9'	2841
18	15°57.3'	2956	43°13.1'	2713	79°21.6'	2770	78°48.1'	2843
19	16°27.7'	2957	43°45.2'	2716	79°53.3'	2772	79°19.3'	2846
20	16°58.0'	2959	44°17.3'	2719	80°25.0'	2775	79°50.4'	2849
21	17°28.4'	2961	44°49.4'	2722	80°56.7'	2778	80°21.6'	2851
22	17°58.7'	2964	45°21.4'	2725	81°28.3'	2781	80°52.7'	2854
23	18°29.0'	2966	45°53.5'	2728	81°60.0'	2784	81°23.8'	2857

Thu Oct 19, 2017 UTC

UTC	+Mars		+Venus		+Regulus		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	18°59.4'	2968	11°00.3'	3236	46°25.5'	2731	82°31.6'	2787
1	19°29.7'	2971	11°28.8'	3234	46°57.5'	2734	83°03.2'	2790
2	19°59.9'	2973	11°57.3'	3233	47°29.4'	2737	83°34.7'	2793
3	20°30.2'	2976	12°25.8'	3233	48°01.4'	2741	84°06.3'	2796
4	21°00.4'	2978	12°54.3'	3233	48°33.3'	2744	84°37.8'	2799
5	21°30.6'	2981	13°22.8'	3234	49°05.2'	2747	85°09.3'	2802
6	22°00.9'	2984	13°51.3'	3234	49°37.1'	2750	85°40.7'	2805
7	22°31.0'	2986	14°19.8'	3235	50°08.9'	2753	86°12.2'	2808
8	23°01.2'	2989	14°48.3'	3236	50°40.8'	2756	86°43.6'	2811
9	23°31.4'	2992	15°16.8'	3238	51°12.6'	2759	87°15.0'	2814
10	24°01.5'	2995	15°45.2'	3240	51°44.4'	2762	87°46.4'	2817
11	24°31.6'	2998	16°13.7'	3241	52°16.1'	2765	88°17.8'	2820
12	25°01.7'	3000	16°42.1'	3243	52°47.9'	2769	88°49.1'	2823
13	25°31.7'	3003	17°10.6'	3245	53°19.6'	2772	89°20.4'	2827
14	26°01.8'	3006	17°39.0'	3248	53°51.3'	2775	89°51.7'	2830
15	26°31.8'	3009	18°07.4'	3250	54°23.0'	2778	90°23.0'	2833
16	27°01.8'	3012	18°35.8'	3252	54°54.6'	2781	90°54.3'	2836
17	27°31.8'	3015	19°04.2'	3255	55°26.2'	2784	91°25.5'	2839
18	28°01.8'	3018	19°32.5'	3257	55°57.8'	2787	91°56.7'	2842
19	28°31.7'	3021	20°00.9'	3260	56°29.4'	2791	92°27.9'	2846
20	29°01.6'	3025	20°29.2'	3262	57°01.0'	2794	92°59.0'	2849
21	29°31.5'	3028	20°57.5'	3265	57°32.5'	2797	93°30.2'	2852
22	30°01.4'	3031	21°25.8'	3268	58°04.0'	2800	94°01.3'	2855
23	30°31.3'	3034	21°54.0'	3271	58°35.5'	2803	94°32.4'	2858

Sat Oct 21, 2017 UTC

UTC	-Saturn		-Antares		-Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	42°07.6'	2926	29°53.9'	3129	79°12.3'	3424
1	41°37.0'	2929	29°24.7'	3140	78°45.1'	3429
2	41°06.5'	2933	28°55.6'	3152	78°17.8'	3434
3	40°35.9'	2936	28°26.6'	3164	77°50.6'	3439
4	40°05.4'	2940	27°57.6'	3176	77°23.4'	3444
5	39°34.9'	2943	27°28.7'	3189	76°56.3'	3450
6	39°04.5'	2946	26°59.9'	3202	76°29.2'	3455
7	38°34.0'	2950	26°31.2'	3217	76°02.1'	3460
8	38°03.6'	2953	26°02.6'	3231	75°35.0'	3466
9	37°33.2'	2957	25°34.1'	3247	75°08.0'	3472
10	37°02.8'	2960	25°05.7'	3263	74°41.0'	3478
11	36°32.5'	2964	24°37.4'	3280	74°14.1'	3483
12	36°02.1'	2967	24°09.2'	3297	73°47.2'	3489
13	35°31.8'	2970	23°41.1'	3316	73°20.3'	3495
14	35°01.6'	2974	23°13.2'	3336	72°53.5'	3501
15	34°31.3'	2977	22°45.3'	3357	72°26.7'	3508
16	34°01.1'	2981	22°17.6'	3379	71°59.9'	3514
17	33°30.9'	2984	21°50.1'	3402	71°33.2'	3520
18	33°00.7'	2988	21°22.7'	3427	71°06.6'	3527
19	32°30.6'	2992	20°55.4'	3453	70°39.9'	3533
20	32°00.4'	2995	20°28.3'	3481	70°13.3'	3540
21	31°30.3'	2999	20°01.4'	3511	69°46.8'	3547
22	31°00.2'	3002	19°34.7'	3542	69°20.3'	3554
23	30°30.2'	3006	19°08.1'	3577	68°53.8'	3561

Sun Oct 22, 2017 UTC

UTC	–Saturn		–Antares		–Altair		–Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	30°00.2'	3010	18°41.8'	3613	68°27.4'	3568	101°16.9'	3231
1	29°30.1'	3013	18°15.7'	3652	68°01.0'	3575	100°48.4'	3233
2	29°00.2'	3017	17°49.8'	3695	67°34.6'	3582	100°19.9'	3235
3	28°30.2'	3021	17°24.2'	3741	67°08.3'	3590	99°51.4'	3237
4	28°00.3'	3024	16°58.8'	3790	66°42.1'	3597	99°22.9'	3239
5	27°30.4'	3028	16°33.7'	3844	66°15.9'	3605	98°54.5'	3241
6	27°00.5'	3032	16°09.0'	3902	65°49.7'	3613	98°26.0'	3242
7	26°30.7'	3036	15°44.5'	3965	65°23.6'	3621	97°57.6'	3244
8	26°00.8'	3040	15°20.5'	4034	64°57.5'	3629	97°29.2'	3246
9	25°31.0'	3044	14°56.8'	4110	64°31.5'	3637	97°00.8'	3248
10	25°01.3'	3048	14°33.5'	4193	64°05.5'	3645	96°32.4'	3250
11	24°31.5'	3052	14°10.6'	4285	63°39.6'	3654	96°04.0'	3252
12	24°01.8'	3056	13°48.3'	4385	63°13.8'	3662	95°35.6'	3254
13	23°32.1'	3061	13°26.4'	4497	62°47.9'	3671	95°07.2'	3256
14	23°02.5'	3065	13°05.1'	4621	62°22.2'	3680	94°38.9'	3258
15	22°32.8'	3069	12°44.4'	4758	61°56.5'	3689	94°10.5'	3261
16	22°03.2'	3074	12°24.3'	4912	61°30.8'	3698	93°42.2'	3263
17	21°33.7'	3079	12°05.0'	5084	61°05.2'	3707	93°13.9'	3265
18	21°04.2'	3084	–	–	60°39.6'	3717	92°45.6'	3267
19	20°34.7'	3089	–	–	60°14.1'	3726	92°17.4'	3269
20	20°05.2'	3094	–	–	59°48.7'	3736	91°49.1'	3271
21	19°35.8'	3099	–	–	59°23.3'	3746	91°20.8'	3273
22	19°06.4'	3105	–	–	58°58.0'	3756	90°52.6'	3276
23	18°37.0'	3111	–	–	58°32.7'	3767	90°24.4'	3278

Mon Oct 23, 2017 UTC

UTC	–Saturn		–Altair		–Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	18°07.7'	3117	58°07.5'	3777	89°56.2'	3280
1	17°38.4'	3123	57°42.4'	3788	89°28.0'	3282
2	17°09.2'	3130	57°17.3'	3799	88°59.8'	3284
3	16°40.0'	3137	56°52.3'	3810	88°31.6'	3287
4	16°10.9'	3145	56°27.3'	3822	88°03.5'	3289
5	15°41.8'	3153	56°02.4'	3833	87°35.3'	3291
6	15°12.8'	3161	55°37.6'	3845	87°07.2'	3293
7	14°43.8'	3171	55°12.9'	3857	86°39.1'	3296
8	14°14.9'	3181	54°48.2'	3870	86°11.0'	3298
9	13°46.0'	3192	54°23.6'	3882	85°42.9'	3300
10	13°17.3'	3203	53°59.0'	3895	85°14.9'	3303
11	12°48.6'	3216	53°34.6'	3908	84°46.8'	3305
12	12°19.9'	3231	53°10.2'	3922	84°18.8'	3307
13	11°51.4'	3247	52°45.8'	3935	83°50.8'	3310
14	11°23.0'	3264	52°21.6'	3949	83°22.8'	3312
15	10°54.7'	3284	51°57.4'	3964	82°54.8'	3314
16	10°26.6'	3307	51°33.3'	3978	82°26.8'	3317
17	9°58.5'	3333	51°09.3'	3993	81°58.9'	3319
18	9°30.7'	3362	50°45.4'	4009	81°30.9'	3321
19	9°03.0'	3396	50°21.6'	4024	81°03.0'	3324
20	8°35.6'	3436	49°57.8'	4040	80°35.1'	3326
21	8°08.4'	3483	49°34.2'	4057	80°07.2'	3328
22	7°41.5'	3539	49°10.6'	4074	79°39.3'	3331
23	7°14.9'	3607	48°47.1'	4091	79°11.4'	3333

Tue Oct 24, 2017 UTC

UTC	+Sun		-Saturn		-Formalhaut		-Altair		+Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	47°26.0'	3463	6°48.8'	3689	78°43.6'	3336	48°23.7'	4109	12°07.2'	4957
1	47°53.0'	3464	6°23.1'	3791	78°15.8'	3338	48°00.4'	4127	12°26.4'	4811
2	48°20.0'	3465	5°58.0'	3918	77°47.9'	3340	47°37.2'	4145	12°46.2'	4681
3	48°47.1'	3466	–	–	77°20.1'	3343	47°14.1'	4164	13°06.6'	4564
4	49°14.1'	3468	–	–	76°52.3'	3345	46°51.1'	4184	13°27.6'	4458
5	49°41.1'	3469	–	–	76°24.6'	3348	46°28.2'	4204	13°49.1'	4364
6	50°08.1'	3470	–	–	75°56.8'	3350	46°05.4'	4225	14°11.1'	4278
7	50°35.0'	3471	–	–	75°29.1'	3353	45°42.7'	4246	14°33.5'	4200
8	51°02.0'	3472	–	–	75°01.3'	3355	45°20.2'	4268	14°56.3'	4129
9	51°29.0'	3473	–	–	74°33.6'	3357	44°57.7'	4290	15°19.5'	4065
10	51°56.0'	3473	–	–	74°05.9'	3360	44°35.4'	4313	15°43.0'	4006
11	52°22.9'	3474	–	–	73°38.3'	3362	44°13.1'	4336	16°06.9'	3953
12	52°49.9'	3475	–	–	73°10.6'	3365	43°51.0'	4361	16°31.0'	3903
13	53°16.9'	3476	–	–	72°42.9'	3367	43°29.1'	4386	16°55.4'	3858
14	53°43.8'	3477	–	–	72°15.3'	3370	43°07.2'	4411	17°20.1'	3817
15	54°10.8'	3477	–	–	71°47.7'	3372	42°45.5'	4438	17°45.0'	3778
16	54°37.7'	3478	–	–	71°20.1'	3375	42°23.9'	4465	18°10.2'	3743
17	55°04.6'	3479	–	–	70°52.5'	3378	42°02.4'	4493	18°35.5'	3710
18	55°31.6'	3479	–	–	70°25.0'	3380	41°41.1'	4522	19°01.0'	3680
19	55°58.5'	3480	–	–	69°57.4'	3383	41°19.9'	4552	19°26.7'	3652
20	56°25.4'	3480	–	–	69°29.9'	3385	40°58.9'	4583	19°52.6'	3626
21	56°52.3'	3481	–	–	69°02.3'	3388	40°38.0'	4615	20°18.7'	3601
22	57°19.3'	3481	5°46.5'	3868	68°34.8'	3391	40°17.3'	4647	20°44.9'	3578
23	57°46.2'	3482	6°11.1'	3757	68°07.4'	3393	39°56.7'	4681	21°11.2'	3557

Wed Oct 25, 2017 UTC

UTC	+Sun		+Saturn		+Antares		-Formalhaut		-Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	58°13.1'	3482	6°36.3'	3669	21°37.6'	3537	67°39.9'	3396	39°36.3'	4716
1	58°40.0'	3482	7°02.1'	3597	22°04.2'	3518	67°12.4'	3399	39°16.0'	4752
2	59°06.9'	3482	7°28.3'	3538	22°30.9'	3501	66°45.0'	3401	38°55.9'	4790
3	59°33.8'	3483	7°54.9'	3489	22°57.7'	3484	66°17.6'	3404	38°36.0'	4828
4	60°00.7'	3483	8°21.8'	3448	23°24.6'	3469	65°50.2'	3407	38°16.3'	4868
5	60°27.6'	3483	8°48.9'	3413	23°51.6'	3454	65°22.8'	3410	37°56.7'	4909
6	60°54.5'	3483	9°16.2'	3383	24°18.7'	3441	64°55.5'	3413	37°37.3'	4952
7	61°21.5'	3483	9°43.8'	3357	24°45.8'	3427	64°28.1'	3415	37°18.1'	4996
8	61°48.4'	3483	10°11.5'	3335	25°13.1'	3415	64°00.8'	3418	36°59.2'	5042
9	62°15.3'	3483	10°39.3'	3316	25°40.4'	3403	63°33.5'	3421	36°40.4'	5090
10	62°42.2'	3483	11°07.3'	3299	26°07.8'	3392	63°06.2'	3424	36°21.8'	5139
11	63°09.1'	3483	11°35.3'	3284	26°35.3'	3382	62°38.9'	3427	36°03.4'	5190
12	63°36.0'	3482	12°03.5'	3271	27°02.8'	3372	62°11.7'	3430	35°45.2'	5243
13	64°02.9'	3482	12°31.8'	3259	27°30.4'	3362	61°44.4'	3433	35°27.3'	5298
14	64°29.8'	3482	13°00.1'	3248	27°58.1'	3353	61°17.2'	3437	35°09.6'	5355
15	64°56.7'	3481	13°28.5'	3239	28°25.8'	3344	60°50.0'	3440	34°52.1'	5414
16	65°23.6'	3481	13°57.0'	3230	28°53.6'	3336	60°22.8'	3443	34°34.9'	5476
17	65°50.6'	3480	14°25.5'	3222	29°21.4'	3327	59°55.7'	3446	34°17.9'	5540
18	66°17.5'	3480	14°54.0'	3215	29°49.3'	3320	59°28.5'	3450	34°01.1'	5607
19	66°44.4'	3479	15°22.7'	3208	30°17.3'	3312	59°01.4'	3453	33°44.6'	5676
20	67°11.3'	3479	15°51.3'	3202	30°45.3'	3305	58°34.3'	3456	33°28.4'	5749
21	67°38.3'	3478	16°20.0'	3196	31°13.3'	3298	58°07.3'	3460	33°12.4'	5824
22	68°05.2'	3477	16°48.8'	3191	31°41.4'	3291	57°40.2'	3464	32°56.7'	5903
23	68°32.1'	3476	17°17.6'	3186	32°09.5'	3285	57°13.2'	3467	32°41.3'	5985

Thu Oct 26, 2017 UTC

UTC	+Sun		+Saturn		+Antares		-Formalhaut		-Achernar	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	68°59.1'	3476	17°46.4'	3181	32°37.6'	3279	56°46.2'	3471	79°52.5'	5889
1	69°26.0'	3475	18°15.2'	3176	33°05.8'	3273	56°19.2'	3475	79°37.1'	5898
2	69°53.0'	3474	18°44.1'	3172	33°34.1'	3267	55°52.2'	3479	79°21.6'	5907
3	70°20.0'	3473	19°13.0'	3168	34°02.4'	3261	55°25.3'	3483	79°06.2'	5916
4	70°46.9'	3472	19°41.9'	3164	34°30.7'	3256	54°58.4'	3487	78°50.9'	5925
5	71°13.9'	3471	20°10.9'	3161	34°59.0'	3250	54°31.5'	3491	78°35.5'	5935
6	71°40.9'	3469	20°39.9'	3157	35°27.4'	3245	54°04.7'	3495	78°20.2'	5945
7	72°07.9'	3468	21°08.9'	3154	35°55.8'	3240	53°37.8'	3499	78°05.0'	5955
8	72°34.9'	3467	21°37.9'	3150	36°24.3'	3235	53°11.0'	3504	77°49.7'	5965
9	73°01.9'	3466	22°06.9'	3147	36°52.8'	3230	52°44.3'	3509	77°34.6'	5976
10	73°28.9'	3464	22°36.0'	3144	37°21.3'	3225	52°17.5'	3513	77°19.4'	5987
11	73°55.9'	3463	23°05.1'	3141	37°49.9'	3220	51°50.8'	3518	77°04.3'	5998
12	74°23.0'	3461	23°34.2'	3138	38°18.5'	3215	51°24.1'	3523	76°49.2'	6010
13	74°50.0'	3460	24°03.3'	3135	38°47.1'	3211	50°57.4'	3528	76°34.2'	6021
14	75°17.0'	3458	24°32.5'	3132	39°15.7'	3206	50°30.8'	3534	76°19.2'	6033
15	75°44.1'	3457	25°01.7'	3129	39°44.4'	3202	50°04.2'	3539	76°04.2'	6046
16	76°11.2'	3455	25°30.9'	3126	40°13.1'	3197	49°37.7'	3545	75°49.3'	6058
17	76°38.3'	3453	26°00.1'	3123	40°41.8'	3193	49°11.1'	3550	75°34.4'	6071
18	77°05.3'	3451	26°29.3'	3120	41°10.6'	3188	48°44.6'	3556	75°19.6'	6084
19	77°32.5'	3449	26°58.6'	3117	41°39.4'	3184	48°18.2'	3562	75°04.8'	6098
20	77°59.6'	3447	27°27.8'	3115	42°08.2'	3180	47°51.8'	3569	74°50.1'	6111
21	78°26.7'	3445	27°57.1'	3112	42°37.1'	3176	47°25.4'	3575	74°35.4'	6125
22	78°53.8'	3443	28°26.4'	3109	43°06.0'	3171	46°59.0'	3582	74°20.8'	6140
23	79°21.0'	3441	28°55.7'	3106	43°34.9'	3167	46°32.7'	3589	74°06.2'	6155

Fri Oct 27, 2017 UTC

UTC	+Sun		+Saturn		+Antares		-Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	79°48.2'	3439	29°25.1'	3103	44°03.8'	3163	46°06.5'	3596
1	80°15.3'	3437	29°54.5'	3100	44°32.8'	3159	45°40.3'	3604
2	80°42.5'	3435	30°23.8'	3098	45°01.7'	3155	45°14.1'	3611
3	81°09.7'	3432	30°53.2'	3095	45°30.8'	3151	44°48.0'	3619
4	81°37.0'	3430	31°22.7'	3092	45°59.8'	3147	44°21.9'	3628
5	82°04.2'	3427	31°52.1'	3089	46°28.9'	3143	43°55.9'	3636
6	82°31.4'	3425	32°21.6'	3086	46°58.0'	3139	43°29.9'	3645
7	82°58.7'	3422	32°51.1'	3083	47°27.1'	3135	43°04.0'	3654
8	83°26.0'	3420	33°20.6'	3080	47°56.3'	3130	42°38.1'	3664
9	83°53.3'	3417	33°50.1'	3077	48°25.4'	3126	42°12.3'	3674
10	84°20.6'	3414	34°19.6'	3074	48°54.7'	3122	41°46.6'	3684
11	84°48.0'	3412	34°49.2'	3071	49°23.9'	3118	41°20.9'	3695
12	85°15.3'	3409	35°18.8'	3068	49°53.1'	3114	40°55.2'	3706
13	85°42.7'	3406	35°48.4'	3065	50°22.4'	3110	40°29.7'	3718
14	86°10.1'	3403	36°18.0'	3061	50°51.8'	3106	40°04.2'	3730
15	86°37.5'	3400	36°47.7'	3058	51°21.1'	3102	39°38.8'	3743
16	87°04.9'	3397	37°17.3'	3055	51°50.5'	3098	39°13.4'	3756
17	87°32.3'	3394	37°47.0'	3052	52°19.9'	3094	38°48.2'	3770
18	87°59.8'	3391	38°16.7'	3048	52°49.3'	3090	38°23.0'	3784
19	88°27.3'	3387	38°46.5'	3045	53°18.8'	3085	37°57.9'	3799
20	88°54.8'	3384	39°16.2'	3042	53°48.2'	3081	37°32.9'	3815
21	89°22.3'	3381	39°46.0'	3038	54°17.8'	3077	37°08.0'	3831
22	89°49.9'	3378	40°15.8'	3035	54°47.3'	3073	36°43.1'	3848
23	90°17.4'	3374	40°45.7'	3031	55°16.9'	3069	36°18.4'	3866

Sat Oct 28, 2017 UTC

UTC	+Sun		+Saturn		+Antares		-Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	90°45.0'	3371	41°15.5'	3028	55°46.5'	3064	35°53.8'	3885
1	91°12.6'	3367	41°45.4'	3024	56°16.1'	3060	35°29.2'	3904
2	91°40.3'	3363	42°15.3'	3020	56°45.8'	3056	35°04.8'	3925
3	92°07.9'	3360	42°45.2'	3017	57°15.4'	3052	34°40.5'	3946
4	92°35.6'	3356	43°15.2'	3013	57°45.2'	3047	34°16.3'	3969
5	93°03.3'	3352	43°45.2'	3009	58°14.9'	3043	33°52.3'	3992
6	93°31.0'	3349	44°15.2'	3005	58°44.7'	3039	33°28.3'	4017
7	93°58.8'	3345	44°45.2'	3002	59°14.5'	3034	33°04.5'	4043
8	94°26.6'	3341	45°15.3'	2998	59°44.3'	3030	32°40.9'	4070
9	94°54.4'	3337	45°45.4'	2994	60°14.2'	3025	32°17.4'	4098
10	95°22.2'	3333	46°15.5'	2990	60°44.1'	3021	31°54.0'	4128
11	95°50.0'	3329	46°45.6'	2986	61°14.0'	3016	31°30.8'	4159
12	96°17.9'	3325	47°15.8'	2982	61°44.0'	3012	31°07.8'	4193
13	96°45.8'	3321	47°46.0'	2978	62°14.0'	3007	30°45.0'	4227
14	97°13.8'	3316	48°16.2'	2974	62°44.0'	3003	30°22.3'	4264
15	97°41.7'	3312	48°46.5'	2969	63°14.0'	2998	29°59.8'	4302
16	98°09.7'	3308	49°16.8'	2965	63°44.1'	2993	29°37.5'	4343
17	98°37.7'	3303	49°47.1'	2961	64°14.2'	2989	29°15.5'	4386
18	99°05.8'	3299	50°17.4'	2957	64°44.4'	2984	28°53.6'	4431
19	99°33.8'	3295	50°47.8'	2952	65°14.6'	2979	28°32.0'	4479
20	100°01.9'	3290	51°18.2'	2948	65°44.8'	2974	28°10.6'	4529
21	100°30.1'	3286	51°48.6'	2944	66°15.0'	2970	27°49.4'	4582
22	100°58.2'	3281	52°19.1'	2939	66°45.3'	2965	27°28.5'	4638
23	101°26.4'	3276	52°49.6'	2935	67°15.6'	2960	27°07.9'	4698

Sun Oct 29, 2017 UTC

UTC	+Sun		+Saturn		+Antares		-Aldebaran		-Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	101°54.6'	3272	53°20.1'	2930	67°46.0'	2955	112°17.7'	2888	26°47.6'	4761
1	102°22.9'	3267	53°50.7'	2926	68°16.4'	2950	111°46.9'	2883	26°27.5'	4828
2	102°51.1'	3262	54°21.3'	2921	68°46.8'	2945	111°16.0'	2879	26°07.8'	4898
3	103°19.4'	3257	54°51.9'	2916	69°17.2'	2940	110°45.1'	2874	25°48.4'	4973
4	103°47.8'	3252	55°22.5'	2912	69°47.7'	2935	110°14.1'	2870	25°29.3'	5053
5	104°16.2'	3248	55°53.2'	2907	70°18.3'	2930	109°43.1'	2865	25°10.5'	5138
6	104°44.6'	3243	56°23.9'	2902	70°48.8'	2925	109°12.1'	2861	24°52.2'	5228
7	105°13.0'	3238	56°54.7'	2897	71°19.4'	2920	108°41.0'	2856	24°34.1'	5324
8	105°41.5'	3233	57°25.5'	2892	71°50.0'	2915	108°10.0'	2851	24°16.5'	5426
9	106°10.0'	3228	57°56.3'	2888	72°20.7'	2910	107°38.8'	2846	23°59.3'	5535
10	106°38.5'	3222	58°27.2'	2883	72°51.4'	2905	107°07.7'	2842	23°42.6'	5652
11	107°07.1'	3217	58°58.1'	2878	73°22.1'	2900	106°36.5'	2837	23°26.2'	5777
12	107°35.7'	3212	59°29.0'	2873	73°52.9'	2894	106°05.3'	2832	23°10.4'	5910
13	108°04.3'	3207	59°60.0'	2868	74°23.7'	2889	105°34.0'	2827	22°55.0'	6053
14	108°33.0'	3202	60°31.0'	2863	74°54.6'	2884	105°02.7'	2822	22°40.1'	6207
15	109°01.7'	3196	61°02.0'	2858	75°25.4'	2879	104°31.4'	2817	22°25.7'	6372
16	109°30.4'	3191	61°33.1'	2852	75°56.4'	2873	104°00.0'	2812	22°11.9'	6550
17	109°59.2'	3186	62°04.2'	2847	76°27.3'	2868	103°28.6'	2807	21°58.6'	6742
18	110°28.0'	3180	62°35.3'	2842	76°58.3'	2863	102°57.2'	2802	21°45.9'	6950
19	110°56.9'	3175	63°06.5'	2837	77°29.4'	2857	102°25.7'	2797	21°33.8'	7176
20	111°25.8'	3169	63°37.7'	2832	78°00.4'	2852	101°54.2'	2792	21°22.3'	7422
21	111°54.7'	3164	64°09.0'	2826	78°31.6'	2847	101°22.7'	2786	21°11.4'	7691
22	112°23.6'	3158	64°40.3'	2821	79°02.7'	2841	100°51.1'	2781	21°01.2'	7986
23	112°52.6'	3153	65°11.6'	2816	79°33.9'	2836	100°19.4'	2776	20°51.7'	8311

Mon Oct 30, 2017 UTC

UTC	+Sun		+Saturn		+Antares		-Aldebaran		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	113°21.7'	3147	65°43.0'	2810	80°05.1'	2830	99°47.8'	2771	117°24.8'	2893
1	113°50.7'	3142	66°14.4'	2805	80°36.4'	2825	99°16.1'	2765	116°53.9'	2886
2	114°19.8'	3136	66°45.9'	2799	81°07.7'	2819	98°44.3'	2760	116°23.1'	2880
3	114°49.0'	3130	67°17.4'	2794	81°39.1'	2814	98°12.6'	2755	115°52.2'	2873
4	115°18.2'	3125	67°48.9'	2788	82°10.5'	2808	97°40.7'	2749	115°21.2'	2867
5	115°47.4'	3119	68°20.5'	2783	82°41.9'	2802	97°08.9'	2744	114°50.2'	2860
6	116°16.7'	3113	68°52.1'	2777	83°13.4'	2797	96°37.0'	2738	114°19.1'	2854
7	116°46.0'	3107	69°23.8'	2772	83°44.9'	2791	96°05.0'	2733	113°48.0'	2847
8	117°15.3'	3102	69°55.4'	2766	84°16.4'	2786	95°33.1'	2727	113°16.9'	2841
9	117°44.7'	3096	70°27.2'	2760	84°48.0'	2780	95°01.0'	2722	112°45.7'	2835
10	118°14.1'	3090	70°59.0'	2755	85°19.6'	2774	94°29.0'	2716	112°14.5'	2828
11	118°43.5'	3084	71°30.8'	2749	85°51.3'	2768	93°56.9'	2711	111°43.2'	2822
12	119°13.0'	3078	72°02.6'	2743	86°23.0'	2763	93°24.7'	2705	111°11.8'	2815
13	119°42.6'	3072	72°34.5'	2738	86°54.8'	2757	92°52.5'	2699	110°40.5'	2809
14	120°12.1'	3066	73°06.5'	2732	87°26.6'	2751	92°20.3'	2694	110°09.0'	2802
15	120°41.8'	3060	73°38.5'	2726	87°58.4'	2746	91°48.1'	2688	109°37.6'	2796
16	121°11.4'	3054	74°10.5'	2720	88°30.3'	2740	91°15.7'	2682	109°06.0'	2790
17	121°41.1'	3048	74°42.6'	2715	89°02.3'	2734	90°43.4'	2676	108°34.5'	2783
18	122°10.8'	3042	75°14.7'	2709	89°34.2'	2728	90°11.0'	2671	108°02.9'	2777
19	122°40.6'	3036	75°46.8'	2703	90°06.2'	2723	89°38.5'	2665	107°31.2'	2770
20	123°10.4'	3030	76°19.0'	2697	90°38.3'	2717	89°06.1'	2659	106°59.5'	2764
21	123°40.3'	3024	76°51.3'	2691	91°10.4'	2711	88°33.5'	2653	106°27.8'	2758
22	124°10.2'	3018	77°23.6'	2685	91°42.5'	2705	88°01.0'	2647	105°56.0'	2751
23	124°40.2'	3012	77°55.9'	2679	92°14.7'	2699	87°28.4'	2642	105°24.1'	2745

Tue Oct 31, 2017 UTC

UTC	+Saturn		-Aldebaran		+Antares		-Betelgeuse		+Altair	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	78°28.3'	2673	86°55.7'	2636	92°46.9'	2694	104°52.2'	2738	50°01.6'	3611
1	79°00.7'	2667	86°23.0'	2630	93°19.2'	2688	104°20.3'	2732	50°27.7'	3590
2	79°33.2'	2662	85°50.2'	2624	93°51.5'	2682	103°48.3'	2726	50°54.0'	3569
3	80°05.7'	2656	85°17.5'	2618	94°23.9'	2676	103°16.3'	2719	51°20.4'	3549
4	80°38.2'	2650	84°44.6'	2612	94°56.3'	2670	102°44.2'	2713	51°46.9'	3529
5	81°10.8'	2644	84°11.7'	2606	95°28.7'	2664	102°12.1'	2707	52°13.5'	3510
6	81°43.5'	2638	83°38.8'	2600	96°01.2'	2659	101°39.9'	2700	52°40.2'	3490
7	82°16.2'	2632	83°05.8'	2594	96°33.7'	2653	101°07.7'	2694	53°07.1'	3472
8	82°48.9'	2626	82°32.8'	2588	97°06.3'	2647	100°35.4'	2688	53°34.1'	3453
9	83°21.7'	2620	81°59.8'	2582	97°38.9'	2641	100°03.1'	2681	54°01.1'	3435
10	83°54.5'	2614	81°26.7'	2576	98°11.6'	2635	99°30.7'	2675	54°28.3'	3418
11	84°27.4'	2608	80°53.5'	2570	98°44.3'	2630	98°58.3'	2669	54°55.7'	3400
12	85°00.3'	2602	80°20.3'	2565	99°17.1'	2624	98°25.9'	2663	55°23.1'	3383
13	85°33.2'	2596	79°47.1'	2559	99°49.8'	2618	97°53.4'	2656	55°50.6'	3367
14	86°06.2'	2590	79°13.8'	2553	100°22.7'	2612	97°20.8'	2650	56°18.3'	3350
15	86°39.3'	2583	78°40.4'	2547	100°55.6'	2606	96°48.2'	2644	56°46.0'	3334
16	87°12.4'	2577	78°07.1'	2541	101°28.5'	2601	96°15.6'	2638	57°13.8'	3318
17	87°45.5'	2571	77°33.6'	2535	102°01.5'	2595	95°42.9'	2632	57°41.8'	3303
18	88°18.7'	2565	77°00.2'	2529	102°34.5'	2589	95°10.2'	2625	58°09.8'	3287
19	88°52.0'	2559	76°26.6'	2523	103°07.5'	2583	94°37.4'	2619	58°38.0'	3272
20	89°25.2'	2553	75°53.1'	2517	103°40.6'	2578	94°04.6'	2613	59°06.2'	3258
21	89°58.6'	2547	75°19.5'	2511	104°13.8'	2572	93°31.7'	2607	59°34.6'	3243
22	90°31.9'	2541	74°45.8'	2505	104°47.0'	2566	92°58.8'	2601	60°03.0'	3229
23	91°05.4'	2535	74°12.1'	2499	105°20.2'	2561	92°25.8'	2595	60°31.5'	3215