

Tue Jan 1, 2019 UTC

UTC	-Sun		-Jupiter		-Venus		+Spica		-Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	58°01.6'	3036	29°41.4'	2777	11°12.8'	3049	19°35.8'	3009	29°15.2'	2887
1	57°31.8'	3040	29°09.7'	2781	10°43.1'	3055	20°05.8'	2996	28°44.3'	2897
2	57°02.0'	3043	28°38.1'	2785	10°13.4'	3062	20°35.9'	2984	28°13.5'	2908
3	56°32.3'	3047	28°06.5'	2790	9°43.7'	3069	21°06.0'	2974	27°42.8'	2920
4	56°02.5'	3051	27°35.0'	2794	9°14.2'	3077	21°36.3'	2964	27°12.2'	2932
5	55°32.8'	3054	27°03.4'	2799	8°44.6'	3086	22°06.6'	2955	26°41.6'	2944
6	55°03.1'	3058	26°31.9'	2803	8°15.1'	3096	22°37.0'	2947	26°11.2'	2957
7	54°33.4'	3062	26°00.5'	2808	7°45.7'	3106	23°07.4'	2939	25°40.8'	2971
8	54°03.8'	3065	25°29.0'	2812	7°16.4'	3119	23°37.9'	2933	25°10.5'	2985
9	53°34.1'	3069	24°57.6'	2817	6°47.1'	3133	24°08.5'	2927	24°40.4'	3000
10	53°04.5'	3072	24°26.3'	2822	6°17.9'	3150	24°39.1'	2921	24°10.3'	3015
11	52°35.0'	3076	23°54.9'	2827	5°48.9'	3170	25°09.7'	2917	23°40.3'	3032
12	52°05.4'	3079	23°23.6'	2832	5°20.0'	3196	25°40.3'	2912	23°10.5'	3049
13	51°35.9'	3083	22°52.4'	2837	4°51.2'	3229	26°11.0'	2908	22°40.7'	3067
14	51°06.4'	3086	22°21.2'	2842	4°22.7'	3273	26°41.7'	2905	22°11.1'	3086
15	50°36.9'	3090	21°50.0'	2847	3°54.5'	3335	27°12.5'	2901	21°41.6'	3107
16	50°07.4'	3093	21°18.8'	2853	3°26.6'	3424	27°43.2'	2898	21°12.3'	3129
17	49°38.0'	3096	20°47.7'	2858	-	-	28°14.0'	2896	20°43.1'	3152
18	49°08.6'	3100	20°16.6'	2864	-	-	28°44.8'	2894	20°14.1'	3177
19	48°39.2'	3103	19°45.6'	2870	-	-	29°15.6'	2892	19°45.2'	3203
20	48°09.8'	3106	19°14.6'	2876	-	-	29°46.5'	2890	19°16.5'	3231
21	47°40.5'	3110	18°43.7'	2882	-	-	30°17.3'	2888	18°48.0'	3262
22	47°11.2'	3113	18°12.8'	2889	-	-	30°48.2'	2887	18°19.7'	3294
23	46°41.9'	3116	17°41.9'	2896	-	-	31°19.0'	2886	17°51.6'	3330

Wed Jan 2, 2019 UTC

UTC	-Sun		-Jupiter		+Spica		-Antares		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	46°12.6'	3120	17°11.1'	2903	31°49.9'	2885	17°23.7'	3368	85°07.9'	2760
1	45°43.4'	3123	16°40.4'	2911	32°20.8'	2885	16°56.1'	3409	85°39.7'	2763
2	45°14.1'	3126	16°09.7'	2919	32°51.7'	2884	16°28.7'	3454	86°11.4'	2766
3	44°44.9'	3129	15°39.1'	2928	33°22.5'	2884	16°01.6'	3503	86°43.2'	2769
4	44°15.7'	3133	15°08.5'	2937	33°53.4'	2883	15°34.8'	3557	87°14.9'	2772
5	43°46.6'	3136	14°38.0'	2947	34°24.3'	2883	15°08.4'	3616	87°46.6'	2775
6	43°17.4'	3139	14°07.5'	2958	34°55.2'	2883	14°42.3'	3681	88°18.2'	2778
7	42°48.3'	3142	13°37.2'	2969	35°26.1'	2883	14°16.6'	3752	88°49.9'	2781
8	42°19.2'	3145	13°06.9'	2982	35°57.0'	2884	13°51.3'	3831	89°21.5'	2784
9	41°50.1'	3149	12°36.7'	2996	36°27.9'	2884	13°26.5'	3919	89°53.1'	2787
10	41°21.0'	3152	12°06.6'	3011	36°58.8'	2884	13°02.1'	4017	90°24.7'	2790
11	40°52.0'	3155	11°36.6'	3028	37°29.7'	2885	12°38.3'	4127	90°56.2'	2792
12	40°23.0'	3158	11°06.7'	3047	38°00.5'	2885	12°15.1'	4250	91°27.8'	2795
13	39°54.0'	3161	10°37.0'	3068	38°31.4'	2886	11°52.6'	4389	91°59.3'	2798
14	39°25.0'	3164	10°07.4'	3092	39°02.3'	2887	11°30.7'	4545	92°30.8'	2801
15	38°56.1'	3167	9°37.9'	3120	39°33.1'	2888	-	-	93°02.3'	2804
16	38°27.1'	3170	9°08.7'	3152	40°04.0'	2888	-	-	93°33.8'	2806
17	37°58.2'	3173	8°39.6'	3190	40°34.9'	2889	-	-	94°05.2'	2809
18	37°29.3'	3176	8°10.9'	3234	41°05.7'	2890	-	-	94°36.6'	2812
19	37°00.4'	3179	7°42.4'	3288	41°36.5'	2891	-	-	95°08.0'	2815
20	36°31.6'	3182	7°14.2'	3352	42°07.4'	2893	-	-	95°39.4'	2817
21	36°02.7'	3185	6°46.5'	3431	42°38.2'	2894	-	-	96°10.8'	2820
22	35°33.9'	3188	6°19.3'	3529	43°09.0'	2895	-	-	96°42.1'	2823
23	35°05.1'	3191	5°52.6'	3654	43°39.8'	2896	-	-	97°13.4'	2825

Thu Jan 3, 2019 UTC

UTC	+Venus		+Spica		+Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	12°24.2'	3204	44°10.6'	2897	97°44.7'	2828
1	12°52.9'	3206	44°41.4'	2899	98°16.0'	2831
2	13°21.6'	3207	45°12.2'	2900	98°47.3'	2833
3	13°50.2'	3209	45°43.0'	2901	99°18.5'	2836
4	14°18.9'	3211	46°13.7'	2903	99°49.8'	2839
5	14°47.5'	3213	46°44.5'	2904	100°21.0'	2841
6	15°16.2'	3215	47°15.2'	2906	100°52.2'	2844
7	15°44.8'	3217	47°46.0'	2907	101°23.3'	2846
8	16°13.4'	3219	48°16.7'	2909	101°54.5'	2849
9	16°42.0'	3221	48°47.4'	2910	102°25.6'	2851
10	17°10.6'	3224	49°18.1'	2912	102°56.7'	2854
11	17°39.1'	3226	49°48.8'	2913	103°27.8'	2857
12	18°07.7'	3228	50°19.5'	2915	103°58.9'	2859
13	18°36.2'	3230	50°50.1'	2916	104°30.0'	2862
14	19°04.7'	3233	51°20.8'	2918	105°01.0'	2864
15	19°33.2'	3235	51°51.4'	2920	105°32.1'	2867
16	20°01.7'	3238	52°22.1'	2921	106°03.1'	2869
17	20°30.2'	3240	52°52.7'	2923	106°34.1'	2871
18	20°58.6'	3242	53°23.3'	2925	107°05.0'	2874
19	21°27.1'	3245	53°53.9'	2926	107°36.0'	2876
20	21°55.5'	3247	54°24.5'	2928	108°06.9'	2879
21	22°23.9'	3250	54°55.0'	2930	108°37.9'	2881
22	22°52.3'	3252	55°25.6'	2932	109°08.8'	2884
23	23°20.7'	3255	55°56.1'	2933	109°39.7'	2886

Fri Jan 4, 2019 UTC

UTC	+Jupiter		+Venus		+Spica		+Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	8°19.0'	3259	23°49.0'	3257	56°26.7'	2935	12°52.1'	4060
1	8°47.3'	3229	24°17.4'	3259	56°57.2'	2937	13°15.6'	3975
2	9°15.9'	3204	24°45.7'	3262	57°27.7'	2939	13°39.7'	3899
3	9°44.5'	3183	25°14.0'	3264	57°58.2'	2940	14°04.1'	3831
4	10°13.4'	3165	25°42.3'	3267	58°28.7'	2942	14°29.0'	3770
5	10°42.3'	3149	26°10.6'	3269	58°59.2'	2944	14°54.1'	3715
6	11°11.4'	3136	26°38.9'	3272	59°29.6'	2946	15°19.6'	3665
7	11°40.5'	3125	27°07.1'	3274	60°00.1'	2948	15°45.5'	3620
8	12°09.7'	3115	27°35.3'	3277	60°30.5'	2949	16°11.5'	3579
9	12°39.0'	3107	28°03.6'	3279	61°00.9'	2951	16°37.8'	3542
10	13°08.4'	3100	28°31.8'	3281	61°31.4'	2953	17°04.4'	3508
11	13°37.8'	3094	28°59.9'	3284	62°01.8'	2955	17°31.1'	3477
12	14°07.2'	3089	29°28.1'	3286	62°32.1'	2957	17°58.1'	3449
13	14°36.6'	3084	29°56.3'	3289	63°02.5'	2958	18°25.2'	3423
14	15°06.1'	3080	30°24.4'	3291	63°32.9'	2960	18°52.5'	3399
15	15°35.7'	3077	30°52.5'	3294	64°03.2'	2962	19°19.9'	3377
16	16°05.2'	3074	31°20.6'	3296	64°33.6'	2964	19°47.5'	3357
17	16°34.8'	3072	31°48.7'	3298	65°03.9'	2966	20°15.2'	3339
18	17°04.3'	3070	32°16.8'	3301	65°34.2'	2967	20°43.0'	3322
19	17°33.9'	3068	32°44.9'	3303	66°04.5'	2969	21°10.9'	3306
20	18°03.5'	3067	33°12.9'	3305	66°34.8'	2971	21°39.0'	3292
21	18°33.1'	3066	33°40.9'	3308	67°05.0'	2973	22°07.1'	3278
22	19°02.8'	3065	34°08.9'	3310	67°35.3'	2975	22°35.3'	3266
23	19°32.4'	3064	34°36.9'	3312	68°05.6'	2977	23°03.6'	3254

Sat Jan 5, 2019 UTC

UTC	+Jupiter		+Antares		+Venus		+Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	20°02.0'	3064	23°31.9'	3244	35°04.9'	3315	68°35.8'	2978
1	20°31.6'	3064	24°00.4'	3234	35°32.9'	3317	69°06.0'	2980
2	21°01.3'	3064	24°28.9'	3225	36°00.8'	3319	69°36.2'	2982
3	21°30.9'	3064	24°57.4'	3216	36°28.8'	3322	70°06.4'	2984
4	22°00.5'	3064	25°26.0'	3208	36°56.7'	3324	70°36.6'	2986
5	22°30.2'	3064	25°54.7'	3201	37°24.6'	3326	71°06.8'	2987
6	22°59.8'	3064	26°23.4'	3194	37°52.5'	3329	71°36.9'	2989
7	23°29.4'	3065	26°52.2'	3188	38°20.4'	3331	72°07.1'	2991
8	23°59.1'	3065	27°21.0'	3182	38°48.3'	3333	72°37.2'	2993
9	24°28.7'	3066	27°49.8'	3176	39°16.1'	3335	73°07.3'	2995
10	24°58.3'	3067	28°18.7'	3171	39°43.9'	3338	73°37.4'	2997
11	25°27.9'	3067	28°47.6'	3166	40°11.8'	3340	74°07.5'	2998
12	25°57.5'	3068	29°16.5'	3162	40°39.6'	3342	74°37.6'	3000
13	26°27.1'	3069	29°45.5'	3158	41°07.4'	3344	75°07.7'	3002
14	26°56.7'	3070	30°14.5'	3154	41°35.1'	3347	75°37.7'	3004
15	27°26.3'	3071	30°43.5'	3150	42°02.9'	3349	76°07.8'	3006
16	27°55.9'	3072	31°12.6'	3147	42°30.7'	3351	76°37.8'	3007
17	28°25.5'	3073	31°41.6'	3144	42°58.4'	3353	77°07.8'	3009
18	28°55.0'	3074	32°10.7'	3141	43°26.1'	3355	77°37.8'	3011
19	29°24.6'	3075	32°39.8'	3139	43°53.8'	3357	78°07.8'	3013
20	29°54.2'	3077	33°09.0'	3136	44°21.5'	3360	78°37.8'	3014
21	30°23.7'	3078	33°38.1'	3134	44°49.2'	3362	79°07.8'	3016
22	30°53.2'	3079	34°07.3'	3132	45°16.9'	3364	79°37.8'	3018
23	31°22.8'	3080	34°36.4'	3130	45°44.5'	3366	80°07.7'	3020

Mon Jan 7, 2019 UTC

UTC	-Formalhaut	
	Lunar Dist.	P.L.
0	42°15.1'	3537
1	41°48.5'	3549
2	41°22.0'	3561
3	40°55.6'	3573
4	40°29.2'	3586
5	40°03.0'	3599
6	39°36.8'	3612
7	39°10.7'	3626
8	38°44.6'	3641
9	38°18.7'	3655
10	37°52.8'	3671
11	37°27.0'	3687
12	37°01.4'	3703
13	36°35.8'	3720
14	36°10.3'	3737
15	35°44.9'	3756
16	35°19.7'	3774
17	34°54.5'	3794
18	34°29.5'	3814
19	34°04.5'	3835
20	33°39.7'	3857
21	33°15.0'	3880
22	32°50.5'	3904
23	32°26.1'	3929

Tue Jan 8, 2019 UTC

UTC	–Mars	
	Lunar Dist.	P.L.
0	56°08.5′	3335
1	55°40.6′	3336
2	55°12.8′	3337
3	54°45.0′	3339
4	54°17.1′	3340
5	53°49.3′	3342
6	53°21.5′	3343
7	52°53.7′	3344
8	52°26.0′	3346
9	51°58.2′	3347
10	51°30.4′	3348
11	51°02.7′	3349
12	50°34.9′	3351
13	50°07.2′	3352
14	49°39.5′	3353
15	49°11.7′	3354
16	48°44.0′	3356
17	48°16.3′	3357
18	47°48.6′	3358
19	47°20.9′	3359
20	46°53.2′	3360
21	46°25.6′	3361
22	45°57.9′	3362
23	45°30.2′	3364

Wed Jan 9, 2019 UTC

UTC	–Mars		–Aldebaran		–Formalhaut		–Rigel	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	45°02.6′	3365	109°25.1′	3078	23°17.4′	5119	111°29.4′	3696
1	44°34.9′	3366	108°55.6′	3079	22°59.0′	5208	111°03.8′	3692
2	44°07.3′	3367	108°26.1′	3079	22°40.9′	5302	110°38.1′	3689
3	43°39.6′	3368	107°56.5′	3080	22°23.2′	5401	110°12.4′	3685
4	43°12.0′	3369	107°27.0′	3080	22°05.9′	5507	109°46.8′	3682
5	42°44.4′	3370	106°57.5′	3080	21°49.0′	5620	109°21.1′	3679
6	42°16.8′	3371	106°28.0′	3081	21°32.5′	5741	108°55.3′	3675
7	41°49.2′	3372	105°58.5′	3081	21°16.5′	5869	108°29.6′	3672
8	41°21.6′	3373	105°28.9′	3081	21°01.0′	6007	108°03.8′	3669
9	40°54.0′	3374	104°59.4′	3081	20°46.0′	6154	107°38.1′	3666
10	40°26.4′	3375	104°29.9′	3082	20°31.4′	6312	107°12.3′	3663
11	39°58.8′	3376	104°00.4′	3082	20°17.4′	6482	106°46.5′	3660
12	39°31.2′	3377	103°30.9′	3082	20°03.9′	6664	106°20.6′	3658
13	39°03.7′	3378	103°01.4′	3082	19°51.0′	6861	105°54.8′	3655
14	38°36.1′	3379	102°31.9′	3082	19°38.6′	7074	105°28.9′	3652
15	38°08.5′	3380	102°02.4′	3082	19°26.8′	7305	105°03.0′	3650
16	37°41.0′	3381	101°32.9′	3082	19°15.7′	7556	104°37.1′	3647
17	37°13.4′	3382	101°03.4′	3082	19°05.1′	7831	104°11.2′	3645
18	36°45.9′	3383	100°33.8′	3082	18°55.3′	8132	103°45.3′	3642
19	36°18.4′	3384	100°04.3′	3082	18°46.0′	8463	103°19.4′	3640
20	35°50.8′	3385	99°34.8′	3082	18°37.5′	8831	102°53.4′	3638
21	35°23.3′	3386	99°05.3′	3082	18°29.6′	9242	102°27.5′	3635
22	34°55.8′	3387	98°35.8′	3082	18°22.5′	9705	102°01.5′	3633
23	34°28.3′	3388	98°06.3′	3081	18°16.1′	10233	101°35.5′	3631

Thu Jan 10, 2019 UTC

UTC	+Sun		-Mars		-Aldebaran		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	42°45.3'	3471	34°00.8'	3389	97°36.8'	3081	114°49.2'	3228
1	43°12.3'	3470	33°33.3'	3390	97°07.3'	3081	114°20.7'	3226
2	43°39.3'	3470	33°05.8'	3391	96°37.8'	3080	113°52.1'	3225
3	44°06.3'	3470	32°38.3'	3392	96°08.2'	3080	113°23.6'	3223
4	44°33.3'	3469	32°10.8'	3393	95°38.7'	3080	112°55.0'	3222
5	45°00.3'	3469	31°43.4'	3394	95°09.2'	3079	112°26.4'	3220
6	45°27.3'	3468	31°15.9'	3395	94°39.7'	3079	111°57.8'	3219
7	45°54.3'	3467	30°48.4'	3396	94°10.1'	3078	111°29.3'	3217
8	46°21.3'	3467	30°21.0'	3398	93°40.6'	3078	111°00.6'	3216
9	46°48.3'	3466	29°53.5'	3399	93°11.1'	3077	110°32.0'	3214
10	47°15.3'	3465	29°26.1'	3400	92°41.5'	3076	110°03.4'	3213
11	47°42.3'	3465	28°58.7'	3402	92°12.0'	3076	109°34.8'	3211
12	48°09.3'	3464	28°31.3'	3403	91°42.4'	3075	109°06.1'	3210
13	48°36.3'	3463	28°03.9'	3405	91°12.9'	3074	108°37.5'	3208
14	49°03.4'	3462	27°36.5'	3406	90°43.3'	3074	108°08.8'	3207
15	49°30.4'	3461	27°09.1'	3408	90°13.7'	3073	107°40.1'	3205
16	49°57.4'	3460	26°41.7'	3410	89°44.2'	3072	107°11.5'	3204
17	50°24.5'	3459	26°14.3'	3411	89°14.6'	3071	106°42.8'	3202
18	50°51.5'	3458	25°47.0'	3413	88°45.0'	3070	106°14.1'	3200
19	51°18.6'	3457	25°19.7'	3416	88°15.4'	3069	105°45.4'	3199
20	51°45.7'	3456	24°52.3'	3418	87°45.8'	3068	105°16.6'	3197
21	52°12.7'	3455	24°25.0'	3420	87°16.2'	3067	104°47.9'	3196
22	52°39.8'	3454	23°57.7'	3423	86°46.6'	3066	104°19.1'	3194
23	53°06.9'	3452	23°30.4'	3425	86°17.0'	3065	103°50.4'	3192

Fri Jan 11, 2019 UTC

UTC	+Sun		-Mars		-Aldebaran		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	53°34.0'	3451	23°03.2'	3428	85°47.3'	3064	103°21.6'	3190
1	54°01.1'	3450	22°35.9'	3432	85°17.7'	3062	102°52.8'	3189
2	54°28.2'	3448	22°08.7'	3435	84°48.1'	3061	102°24.0'	3187
3	54°55.3'	3447	21°41.5'	3439	84°18.4'	3060	101°55.2'	3185
4	55°22.5'	3445	21°14.3'	3443	83°48.8'	3058	101°26.4'	3183
5	55°49.6'	3444	20°47.1'	3447	83°19.1'	3057	100°57.6'	3182
6	56°16.8'	3442	20°20.0'	3451	82°49.4'	3055	100°28.8'	3180
7	56°43.9'	3441	19°52.9'	3456	82°19.7'	3054	99°59.9'	3178
8	57°11.1'	3439	19°25.8'	3462	81°50.0'	3052	99°31.0'	3176
9	57°38.3'	3437	18°58.8'	3468	81°20.3'	3051	99°02.2'	3174
10	58°05.5'	3435	18°31.8'	3474	80°50.6'	3049	98°33.3'	3172
11	58°32.7'	3433	18°04.8'	3481	80°20.9'	3048	98°04.4'	3170
12	58°59.9'	3432	17°37.9'	3489	79°51.1'	3046	97°35.4'	3168
13	59°27.1'	3430	17°11.1'	3498	79°21.4'	3044	97°06.5'	3166
14	59°54.4'	3428	16°44.2'	3507	78°51.6'	3042	96°37.6'	3164
15	60°21.6'	3426	16°17.5'	3517	78°21.8'	3041	96°08.6'	3162
16	60°48.9'	3424	15°50.8'	3529	77°52.0'	3039	95°39.6'	3160
17	61°16.1'	3421	15°24.2'	3541	77°22.2'	3037	95°10.7'	3158
18	61°43.4'	3419	14°57.6'	3555	76°52.4'	3035	94°41.7'	3155
19	62°10.7'	3417	14°31.2'	3570	76°22.6'	3033	94°12.6'	3153
20	62°38.1'	3415	14°04.8'	3588	75°52.7'	3031	93°43.6'	3151
21	63°05.4'	3412	13°38.5'	3607	75°22.9'	3028	93°14.6'	3149
22	63°32.7'	3410	13°12.4'	3628	74°53.0'	3026	92°45.5'	3147
23	64°00.1'	3408	12°46.3'	3652	74°23.1'	3024	92°16.4'	3144

Sat Jan 12, 2019 UTC

UTC	+Sun		-Mars		-Aldebaran		-Betelgeuse		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	64°27.5'	3405	12°20.5'	3679	73°53.2'	3022	91°47.4'	3142	26°49.8'	4343
1	64°54.9'	3402	11°54.8'	3710	73°23.3'	3020	91°18.3'	3140	27°11.9'	4296
2	65°22.3'	3400	11°29.2'	3744	72°53.3'	3017	90°49.1'	3137	27°34.2'	4251
3	65°49.7'	3397	11°03.9'	3784	72°23.4'	3015	90°20.0'	3135	27°56.7'	4208
4	66°17.2'	3395	10°38.8'	3829	71°53.4'	3012	89°50.8'	3132	28°19.5'	4167
5	66°44.6'	3392	10°13.9'	3880	71°23.4'	3010	89°21.7'	3130	28°42.5'	4128
6	67°12.1'	3389	9°49.4'	3940	70°53.4'	3007	88°52.5'	3127	29°05.7'	4091
7	67°39.6'	3386	9°25.2'	4009	70°23.4'	3005	88°23.3'	3125	29°29.0'	4055
8	68°07.1'	3383	9°01.3'	4089	69°53.4'	3002	87°54.1'	3122	29°52.6'	4020
9	68°34.6'	3380	8°37.9'	4183	69°23.3'	2999	87°24.8'	3120	30°16.4'	3987
10	69°02.2'	3377	8°15.0'	4294	68°53.2'	2997	86°55.6'	3117	30°40.4'	3955
11	69°29.7'	3374	7°52.7'	4426	68°23.1'	2994	86°26.3'	3114	31°04.5'	3925
12	69°57.3'	3371	7°31.0'	4583	67°53.0'	2991	85°57.0'	3112	31°28.8'	3895
13	70°24.9'	3368	–	–	67°22.9'	2988	85°27.7'	3109	31°53.3'	3867
14	70°52.6'	3365	–	–	66°52.7'	2985	84°58.4'	3106	32°17.9'	3840
15	71°20.2'	3362	–	–	66°22.6'	2982	84°29.0'	3103	32°42.7'	3814
16	71°47.9'	3358	–	–	65°52.4'	2979	83°59.7'	3101	33°07.6'	3788
17	72°15.6'	3355	–	–	65°22.2'	2976	83°30.3'	3098	33°32.7'	3764
18	72°43.3'	3351	–	–	64°51.9'	2973	83°00.9'	3095	33°57.9'	3740
19	73°11.0'	3348	–	–	64°21.7'	2970	82°31.5'	3092	34°23.3'	3718
20	73°38.8'	3344	–	–	63°51.4'	2967	82°02.0'	3089	34°48.8'	3696
21	74°06.6'	3341	–	–	63°21.1'	2964	81°32.6'	3086	35°14.4'	3674
22	74°34.4'	3337	–	–	62°50.8'	2960	81°03.1'	3083	35°40.1'	3653
23	75°02.2'	3334	–	–	62°20.4'	2957	80°33.6'	3080	36°06.0'	3633

Sun Jan 13, 2019 UTC

UTC	+Sun		-Aldebaran		+Formalhaut		-Betelgeuse		-Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	75°30.0'	3330	61°50.0'	2954	36°32.0'	3614	80°04.1'	3077	105°59.1'	2986
1	75°57.9'	3326	61°19.7'	2950	36°58.1'	3595	79°34.5'	3074	105°28.9'	2983
2	76°25.8'	3322	60°49.2'	2947	37°24.3'	3577	79°05.0'	3071	104°58.7'	2979
3	76°53.7'	3318	60°18.8'	2943	37°50.7'	3559	78°35.4'	3068	104°28.5'	2975
4	77°21.7'	3314	59°48.3'	2940	38°17.1'	3541	78°05.8'	3065	103°58.3'	2971
5	77°49.6'	3310	59°17.8'	2936	38°43.6'	3524	77°36.1'	3062	103°28.0'	2968
6	78°17.6'	3306	58°47.3'	2932	39°10.3'	3508	77°06.5'	3059	102°57.7'	2964
7	78°45.7'	3302	58°16.8'	2929	39°37.0'	3492	76°36.8'	3055	102°27.4'	2960
8	79°13.7'	3298	57°46.2'	2925	40°03.9'	3476	76°07.1'	3052	101°57.0'	2956
9	79°41.8'	3294	57°15.6'	2921	40°30.8'	3461	75°37.4'	3049	101°26.6'	2952
10	80°09.9'	3290	56°45.0'	2917	40°57.9'	3446	75°07.7'	3046	100°56.2'	2948
11	80°38.0'	3285	56°14.3'	2913	41°25.0'	3431	74°37.9'	3042	100°25.8'	2944
12	81°06.2'	3281	55°43.7'	2909	41°52.3'	3417	74°08.2'	3039	99°55.3'	2940
13	81°34.4'	3277	55°12.9'	2905	42°19.6'	3403	73°38.4'	3036	99°24.8'	2936
14	82°02.6'	3272	54°42.2'	2901	42°47.0'	3389	73°08.5'	3032	98°54.3'	2932
15	82°30.8'	3268	54°11.4'	2897	43°14.5'	3376	72°38.7'	3029	98°23.8'	2927
16	82°59.1'	3263	53°40.7'	2893	43°42.0'	3363	72°08.8'	3026	97°53.2'	2923
17	83°27.4'	3259	53°09.8'	2889	44°09.7'	3350	71°38.9'	3022	97°22.6'	2919
18	83°55.7'	3254	52°39.0'	2885	44°37.5'	3337	71°09.0'	3019	96°52.0'	2915
19	84°24.1'	3249	52°08.1'	2880	45°05.3'	3325	70°39.1'	3015	96°21.3'	2910
20	84°52.5'	3245	51°37.2'	2876	45°33.2'	3313	70°09.1'	3012	95°50.6'	2906
21	85°20.9'	3240	51°06.2'	2872	46°01.2'	3301	69°39.1'	3008	95°19.9'	2901
22	85°49.4'	3235	50°35.3'	2867	46°29.2'	3289	69°09.1'	3005	94°49.1'	2897
23	86°17.9'	3230	50°04.3'	2863	46°57.4'	3277	68°39.1'	3001	94°18.3'	2892

Mon Jan 14, 2019 UTC

UTC	+Sun		-Aldebaran		+Mars		+Formalhaut		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	86°46.4'	3225	49°33.2'	2858	12°41.0'	3454	47°25.6'	3266	68°09.0'	2998
1	87°14.9'	3220	49°02.2'	2854	13°08.1'	3424	47°53.8'	3255	67°38.9'	2994
2	87°43.5'	3215	48°31.1'	2849	13°35.4'	3397	48°22.2'	3244	67°08.8'	2991
3	88°12.1'	3210	47°59.9'	2845	14°02.8'	3372	48°50.6'	3233	66°38.7'	2987
4	88°40.8'	3205	47°28.8'	2840	14°30.4'	3348	49°19.1'	3222	66°08.5'	2984
5	89°09.5'	3200	46°57.6'	2835	14°58.2'	3327	49°47.7'	3211	65°38.3'	2980
6	89°38.2'	3194	46°26.3'	2831	15°26.1'	3306	50°16.4'	3201	65°08.1'	2977
7	90°06.9'	3189	45°55.1'	2826	15°54.1'	3287	50°45.1'	3190	64°37.9'	2973
8	90°35.7'	3184	45°23.8'	2821	16°22.2'	3269	51°13.8'	3180	64°07.6'	2970
9	91°04.6'	3178	44°52.4'	2816	16°50.5'	3253	51°42.7'	3170	63°37.3'	2966
10	91°33.4'	3173	44°21.1'	2811	17°18.9'	3237	52°11.6'	3160	63°07.0'	2963
11	92°02.3'	3168	43°49.6'	2806	17°47.3'	3221	52°40.6'	3150	62°36.7'	2959
12	92°31.2'	3162	43°18.2'	2801	18°15.9'	3207	53°09.6'	3140	62°06.3'	2956
13	93°00.2'	3157	42°46.7'	2796	18°44.6'	3193	53°38.8'	3131	61°36.0'	2952
14	93°29.2'	3151	42°15.2'	2791	19°13.3'	3180	54°07.9'	3121	61°05.6'	2949
15	93°58.3'	3145	41°43.7'	2786	19°42.2'	3167	54°37.2'	3112	60°35.1'	2945
16	94°27.3'	3140	41°12.1'	2781	20°11.1'	3155	55°06.5'	3102	60°04.7'	2942
17	94°56.5'	3134	40°40.4'	2776	20°40.1'	3143	55°35.9'	3093	59°34.2'	2938
18	95°25.6'	3128	40°08.8'	2771	21°09.2'	3132	56°05.3'	3084	59°03.7'	2935
19	95°54.8'	3123	39°37.1'	2765	21°38.4'	3121	56°34.8'	3075	58°33.2'	2931
20	96°24.1'	3117	39°05.3'	2760	22°07.7'	3110	57°04.4'	3065	58°02.6'	2928
21	96°53.3'	3111	38°33.6'	2755	22°37.0'	3100	57°34.0'	3056	57°32.0'	2925
22	97°22.6'	3105	38°01.7'	2750	23°06.4'	3090	58°03.7'	3047	57°01.4'	2921
23	97°52.0'	3099	37°29.9'	2744	23°35.8'	3080	58°33.4'	3039	56°30.8'	2918

Tue Jan 15, 2019 UTC

UTC	+Sun		-Aldebaran		+Mars		-Betelgeuse		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	98°21.4'	3093	36°58.0'	2739	24°05.3'	3070	56°00.2'	2915	59°03.2'	3030
1	98°50.8'	3087	36°26.1'	2733	24°34.9'	3060	55°29.5'	2912	59°33.1'	3021
2	99°20.3'	3081	35°54.1'	2728	25°04.6'	3051	54°58.8'	2908	60°03.0'	3012
3	99°49.8'	3075	35°22.1'	2722	25°34.3'	3042	54°28.1'	2905	60°33.0'	3004
4	100°19.4'	3069	34°50.0'	2717	26°04.1'	3033	53°57.4'	2902	61°03.0'	2995
5	100°49.0'	3062	34°17.9'	2711	26°33.9'	3024	53°26.6'	2899	61°33.1'	2987
6	101°18.6'	3056	33°45.8'	2706	27°03.8'	3015	52°55.8'	2896	62°03.3'	2978
7	101°48.3'	3050	33°13.6'	2700	27°33.8'	3006	52°25.0'	2893	62°33.5'	2970
8	102°18.0'	3044	32°41.4'	2695	28°03.8'	2998	51°54.2'	2890	63°03.8'	2961
9	102°47.8'	3037	32°09.1'	2689	28°33.9'	2989	51°23.4'	2888	63°34.1'	2953
10	103°17.6'	3031	31°36.8'	2683	29°04.1'	2981	50°52.5'	2885	64°04.5'	2945
11	103°47.5'	3025	31°04.5'	2678	29°34.3'	2972	50°21.6'	2882	64°35.0'	2936
12	104°17.4'	3018	30°32.1'	2672	30°04.6'	2964	49°50.8'	2880	65°05.5'	2928
13	104°47.3'	3012	29°59.6'	2666	30°34.9'	2956	49°19.8'	2878	65°36.1'	2920
14	105°17.3'	3006	29°27.2'	2661	31°05.2'	2948	48°48.9'	2875	66°06.7'	2912
15	105°47.3'	2999	28°54.7'	2655	31°35.7'	2940	48°18.0'	2873	66°37.4'	2904
16	106°17.4'	2993	28°22.1'	2649	32°06.2'	2932	47°47.0'	2871	67°08.2'	2896
17	106°47.5'	2986	27°49.5'	2643	32°36.7'	2924	47°16.0'	2869	67°39.0'	2888
18	107°17.7'	2979	27°16.9'	2638	33°07.3'	2916	46°45.0'	2867	68°09.8'	2880
19	107°47.9'	2973	26°44.2'	2632	33°38.0'	2908	46°14.0'	2865	68°40.7'	2872
20	108°18.2'	2966	26°11.4'	2626	34°08.7'	2900	45°43.0'	2864	69°11.7'	2864
21	108°48.5'	2960	25°38.7'	2620	34°39.5'	2892	45°12.0'	2863	69°42.7'	2856
22	109°18.8'	2953	25°05.8'	2615	35°10.3'	2885	44°40.9'	2861	70°13.8'	2848
23	109°49.2'	2946	24°33.0'	2609	35°41.2'	2877	44°09.9'	2860	70°45.0'	2840

Wed Jan 16, 2019 UTC

UTC	+Sun		-Aldebaran		+Mars		-Betelgeuse		-Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	110°19.7'	2940	24°00.1'	2603	36°12.1'	2869	43°38.8'	2859	68°24.3'	2630
1	110°50.2'	2933	23°27.1'	2597	36°43.1'	2862	43°07.8'	2859	67°51.5'	2624
2	111°20.7'	2926	22°54.1'	2592	37°14.1'	2854	42°36.7'	2858	67°18.7'	2618
3	111°51.3'	2919	22°21.1'	2586	37°45.2'	2846	42°05.6'	2858	66°45.9'	2612
4	112°21.9'	2912	21°48.0'	2580	38°16.4'	2839	41°34.6'	2858	66°13.0'	2606
5	112°52.6'	2906	21°14.9'	2575	38°47.6'	2831	41°03.5'	2858	65°40.1'	2600
6	113°23.3'	2899	20°41.7'	2569	39°18.9'	2824	40°32.4'	2859	65°07.1'	2594
7	113°54.1'	2892	20°08.5'	2564	39°50.2'	2816	40°01.4'	2860	64°34.1'	2589
8	114°25.0'	2885	19°35.3'	2558	40°21.6'	2809	39°30.3'	2861	64°01.0'	2583
9	114°55.8'	2878	19°02.0'	2553	40°53.0'	2801	38°59.3'	2862	63°27.9'	2577
10	115°26.8'	2871	18°28.7'	2547	41°24.5'	2794	38°28.2'	2864	62°54.8'	2571
11	115°57.7'	2865	17°55.3'	2542	41°56.0'	2786	37°57.2'	2866	62°21.6'	2565
12	116°28.8'	2858	17°21.9'	2537	42°27.6'	2779	37°26.2'	2868	61°48.4'	2559
13	116°59.8'	2851	16°48.4'	2532	42°59.2'	2771	36°55.2'	2871	61°15.1'	2553
14	117°31.0'	2844	16°14.9'	2527	43°30.9'	2764	36°24.2'	2875	60°41.7'	2547
15	118°02.1'	2837	15°41.4'	2522	44°02.7'	2757	35°53.2'	2878	60°08.4'	2541
16	118°33.3'	2830	15°07.8'	2517	44°34.5'	2749	35°22.3'	2883	59°34.9'	2535
17	119°04.6'	2823	14°34.2'	2513	45°06.3'	2742	34°51.4'	2887	59°01.5'	2529
18	119°35.9'	2816	14°00.6'	2509	45°38.3'	2734	34°20.6'	2893	58°28.0'	2523
19	120°07.3'	2809	13°26.9'	2505	46°10.2'	2727	33°49.7'	2899	57°54.4'	2517
20	120°38.7'	2802	12°53.2'	2502	46°42.3'	2720	33°19.0'	2905	57°20.8'	2512
21	121°10.2'	2795	12°19.5'	2499	47°14.3'	2713	32°48.2'	2913	56°47.1'	2506
22	121°41.7'	2788	11°45.7'	2496	47°46.5'	2705	32°17.5'	2921	56°13.4'	2500
23	122°13.3'	2781	11°11.9'	2494	48°18.6'	2698	31°46.9'	2930	55°39.7'	2494

Thu Jan 17, 2019 UTC

UTC	-Aldebaran		-Pollux		+Mars		-Betelgeuse		-Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	10°38.1'	2493	55°05.9'	2488	48°50.9'	2691	31°16.4'	2939	56°43.6'	2688
1	10°04.4'	2493	54°32.1'	2483	49°23.2'	2684	30°45.9'	2950	56°11.3'	2685
2	9°30.6'	2494	53°58.2'	2477	49°55.5'	2676	30°15.4'	2961	55°38.9'	2682
3	8°56.8'	2497	53°24.3'	2471	50°27.9'	2669	29°45.1'	2974	55°06.6'	2679
4	8°23.0'	2501	52°50.3'	2466	51°00.4'	2662	29°14.8'	2988	54°34.2'	2676
5	7°49.3'	2508	52°16.3'	2460	51°32.9'	2655	28°44.7'	3003	54°01.8'	2674
6	7°15.6'	2519	51°42.3'	2454	52°05.4'	2648	28°14.6'	3019	53°29.4'	2671
7	6°42.0'	2535	51°08.2'	2449	52°38.0'	2641	27°44.7'	3037	52°56.9'	2669
8	6°08.5'	2557	50°34.0'	2443	53°10.7'	2634	27°14.9'	3056	52°24.5'	2667
9	5°35.2'	2589	49°59.8'	2438	53°43.4'	2626	26°45.2'	3077	51°52.0'	2665
10	5°02.2'	2637	49°25.6'	2432	54°16.2'	2619	26°15.7'	3100	51°19.5'	2663
11	4°29.5'	2707	48°51.3'	2427	54°49.0'	2612	25°46.3'	3125	50°47.0'	2661
12	-	-	48°17.0'	2422	55°21.9'	2605	25°17.0'	3151	50°14.5'	2660
13	-	-	47°42.7'	2417	55°54.8'	2598	24°48.0'	3181	49°42.0'	2659
14	-	-	47°08.3'	2411	56°27.8'	2591	24°19.2'	3212	49°09.5'	2658
15	-	-	46°33.8'	2406	57°00.8'	2585	23°50.5'	3247	48°36.9'	2657
16	-	-	45°59.4'	2401	57°33.9'	2578	23°22.1'	3285	48°04.4'	2657
17	-	-	45°24.8'	2396	58°07.1'	2571	22°54.0'	3326	47°31.8'	2656
18	-	-	44°50.3'	2391	58°40.3'	2564	22°26.1'	3370	46°59.3'	2656
19	-	-	44°15.7'	2386	59°13.5'	2557	21°58.4'	3419	46°26.7'	2657
20	-	-	43°41.1'	2382	59°46.8'	2550	21°31.1'	3472	45°54.2'	2657
21	-	-	43°06.4'	2377	60°20.2'	2544	21°04.2'	3530	45°21.7'	2658
22	-	-	42°31.7'	2372	60°53.6'	2537	20°37.5'	3593	44°49.1'	2659
23	-	-	41°56.9'	2368	61°27.0'	2530	20°11.3'	3663	44°16.6'	2661

Fri Jan 18, 2019 UTC

UTC	−Pollux		−Procyon		−Regulus		+Mars		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	41°22.1′	2363	43°44.1′	2663	76°47.9′	2293	62°00.5′	2524	97°15.8′	2507
1	40°47.3′	2359	43°11.6′	2665	76°12.5′	2286	62°34.1′	2517	97°49.5′	2501
2	40°12.5′	2355	42°39.1′	2667	75°37.1′	2280	63°07.7′	2510	98°23.3′	2496
3	39°37.6′	2351	42°06.6′	2670	75°01.6′	2274	63°41.4′	2504	98°57.0′	2491
4	39°02.7′	2347	41°34.2′	2674	74°26.1′	2268	64°15.1′	2497	99°30.8′	2485
5	38°27.7′	2343	41°01.8′	2678	73°50.5′	2262	64°48.8′	2491	100°04.7′	2480
6	37°52.7′	2340	40°29.4′	2682	73°14.8′	2257	65°22.6′	2485	100°38.6′	2475
7	37°17.7′	2336	39°57.0′	2687	72°39.1′	2251	65°56.5′	2478	101°12.5′	2470
8	36°42.7′	2333	39°24.7′	2693	72°03.4′	2245	66°30.4′	2472	101°46.5′	2465
9	36°07.6′	2330	38°52.4′	2699	71°27.6′	2239	67°04.4′	2466	102°20.5′	2461
10	35°32.5′	2327	38°20.2′	2705	70°51.8′	2233	67°38.4′	2459	102°54.6′	2456
11	34°57.4′	2324	37°48.0′	2712	70°15.9′	2227	68°12.4′	2453	103°28.6′	2451
12	34°22.3′	2321	37°15.9′	2720	69°40.0′	2222	68°46.5′	2447	104°02.8′	2447
13	33°47.1′	2319	36°43.8′	2729	69°04.0′	2216	69°20.7′	2441	104°36.9′	2442
14	33°12.0′	2317	36°11.8′	2739	68°28.0′	2210	69°54.9′	2435	105°11.1′	2438
15	32°36.8′	2315	35°39.9′	2749	67°51.9′	2205	70°29.1′	2429	105°45.3′	2434
16	32°01.6′	2313	35°08.0′	2760	67°15.8′	2199	71°03.4′	2423	106°19.6′	2430
17	31°26.3′	2312	34°36.2′	2772	66°39.7′	2194	71°37.8′	2417	106°53.9′	2425
18	30°51.1′	2311	34°04.5′	2785	66°03.5′	2188	72°12.2′	2411	107°28.2′	2422
19	30°15.8′	2310	33°32.9′	2799	65°27.2′	2183	72°46.6′	2405	108°02.6′	2418
20	29°40.6′	2310	33°01.5′	2814	64°50.9′	2178	73°21.1′	2400	108°37.0′	2414
21	29°05.3′	2310	32°30.1′	2831	64°14.6′	2172	73°55.6′	2394	109°11.4′	2411
22	28°30.1′	2310	31°58.8′	2849	63°38.2′	2167	74°30.2′	2388	109°45.8′	2407
23	27°54.8′	2311	31°27.7′	2868	63°01.8′	2162	75°04.8′	2383	110°20.3′	2404

Sat Jan 19, 2019 UTC

UTC	+Aldebaran		−Pollux		−Regulus		−Procyon		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	17°51.8′	2169	27°19.6′	2312	62°25.3′	2157	30°56.7′	2888	75°39.5′	2377
1	18°28.2′	2163	26°44.4′	2314	61°48.8′	2152	30°25.8′	2910	76°14.2′	2372
2	19°04.6′	2157	26°09.2′	2316	61°12.2′	2147	29°55.1′	2934	76°49.0′	2366
3	19°41.1′	2151	25°34.0′	2319	60°35.6′	2142	29°24.6′	2960	77°23.7′	2361
4	20°17.7′	2145	24°58.8′	2323	59°59.0′	2137	28°54.2′	2988	77°58.6′	2356
5	20°54.3′	2140	24°23.6′	2327	59°22.3′	2132	28°24.1′	3018	78°33.5′	2351
6	21°31.0′	2134	23°48.5′	2332	58°45.6′	2127	27°54.1′	3050	79°08.4′	2345
7	22°07.7′	2129	23°13.4′	2338	58°08.8′	2123	27°24.4′	3084	79°43.3′	2340
8	22°44.4′	2123	22°38.4′	2345	57°32.0′	2118	26°54.9′	3122	80°18.4′	2335
9	23°21.2′	2118	22°03.5′	2353	56°55.2′	2113	26°25.7′	3162	80°53.4′	2330
10	23°58.1′	2113	21°28.6′	2362	56°18.3′	2109	25°56.7′	3206	81°28.5′	2326
11	24°35.0′	2108	20°53.7′	2373	55°41.4′	2104	25°28.0′	3253	82°03.6′	2321
12	25°11.9′	2103	20°19.0′	2385	55°04.4′	2100	24°59.6′	3303	82°38.8′	2316
13	25°48.9′	2098	19°44.3′	2398	54°27.4′	2096	24°31.6′	3358	83°14.0′	2311
14	26°25.9′	2094	19°09.8′	2414	53°50.4′	2091	24°03.9′	3418	83°49.2′	2307
15	27°02.9′	2089	18°35.4′	2431	53°13.3′	2087	23°36.6′	3482	84°24.5′	2302
16	27°40.0′	2084	18°01.1′	2451	52°36.2′	2083	23°09.7′	3552	84°59.8′	2298
17	28°17.1′	2080	17°27.0′	2474	51°59.1′	2079	22°43.2′	3628	85°35.1′	2293
18	28°54.3′	2075	16°53.0′	2499	51°21.9′	2075	22°17.2′	3710	86°10.5′	2289
19	29°31.5′	2071	16°19.3′	2529	50°44.7′	2071	21°51.6′	3800	86°45.9′	2285
20	30°08.8′	2067	15°45.8′	2562	50°07.4′	2067	21°26.6′	3897	87°21.4′	2281
21	30°46.0′	2063	15°12.5′	2600	49°30.2′	2063	21°02.2′	4004	87°56.9′	2277
22	31°23.4′	2059	14°39.5′	2643	48°52.8′	2060	20°38.3′	4120	88°32.4′	2273
23	32°00.7′	2055	14°06.9′	2693	48°15.5′	2056	20°15.1′	4247	89°08.0′	2269

Sun Jan 20, 2019 UTC

UTC	+Aldebaran		-Regulus		-Pollux		-Spica		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	32°38.1'	2051	47°38.1'	2053	13°34.6'	2751	101°33.3'	2083	89°43.5'	2265
1	33°15.5'	2047	47°00.7'	2049	13°02.8'	2817	100°56.2'	2079	90°19.2'	2261
2	33°52.9'	2044	46°23.3'	2046	12°31.4'	2894	100°19.0'	2075	90°54.8'	2258
3	34°30.4'	2040	45°45.8'	2043	12°00.6'	2984	99°41.8'	2072	91°30.5'	2254
4	35°07.9'	2037	45°08.4'	2039	11°30.4'	3089	99°04.5'	2068	92°06.2'	2251
5	35°45.5'	2033	44°30.8'	2036	–	–	98°27.3'	2065	92°41.9'	2247
6	36°23.0'	2030	43°53.3'	2033	–	–	97°50.0'	2062	93°17.7'	2244
7	37°00.6'	2026	43°15.7'	2030	–	–	97°12.7'	2058	93°53.5'	2241
8	37°38.3'	2023	42°38.1'	2028	–	–	96°35.3'	2055	94°29.3'	2238
9	38°15.9'	2020	42°00.5'	2025	–	–	95°57.9'	2052	95°05.1'	2235
10	38°53.6'	2017	41°22.9'	2022	–	–	95°20.5'	2049	95°41.0'	2232
11	39°31.3'	2014	40°45.2'	2020	–	–	94°43.1'	2046	96°16.9'	2229
12	40°09.0'	2012	40°07.5'	2017	–	–	94°05.6'	2044	96°52.8'	2226
13	40°46.8'	2009	39°29.8'	2015	–	–	93°28.2'	2041	97°28.8'	2223
14	41°24.6'	2006	38°52.1'	2013	–	–	92°50.6'	2038	98°04.7'	2221
15	42°02.4'	2004	38°14.3'	2010	–	–	92°13.1'	2036	98°40.7'	2218
16	42°40.2'	2001	37°36.6'	2008	–	–	91°35.6'	2033	99°16.7'	2216
17	43°18.1'	1999	36°58.8'	2006	–	–	90°58.0'	2031	99°52.7'	2213
18	43°55.9'	1996	36°21.0'	2004	–	–	90°20.4'	2029	100°28.8'	2211
19	44°33.8'	1994	35°43.2'	2003	–	–	89°42.8'	2027	101°04.8'	2209
20	45°11.7'	1992	35°05.3'	2001	–	–	89°05.2'	2025	101°40.9'	2207
21	45°49.7'	1990	34°27.5'	1999	–	–	88°27.5'	2023	102°17.0'	2205
22	46°27.6'	1988	33°49.6'	1998	–	–	87°49.9'	2021	102°53.1'	2203
23	47°05.6'	1986	33°11.8'	1997	–	–	87°12.2'	2019	103°29.2'	2202

Mon Jan 21, 2019 UTC

UTC	-Regulus		+Aldebaran		+Betelgeuse		-Spica		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	32°33.9'	1995	47°43.5'	1985	32°24.6'	2431	86°34.5'	2018	104°05.4'	2200
1	31°56.0'	1994	48°21.5'	1983	32°58.9'	2414	85°56.8'	2016	104°41.5'	2198
2	31°18.1'	1993	48°59.5'	1981	33°33.3'	2398	85°19.1'	2015	105°17.7'	2197
3	30°40.1'	1992	49°37.6'	1980	34°07.8'	2383	84°41.4'	2013	105°53.9'	2196
4	30°02.2'	1992	50°15.6'	1978	34°42.5'	2369	84°03.6'	2012	106°30.1'	2194
5	29°24.3'	1991	50°53.6'	1977	35°17.2'	2356	83°25.9'	2011	107°06.3'	2193
6	28°46.4'	1991	51°31.7'	1976	35°52.1'	2343	82°48.1'	2010	107°42.5'	2192
7	28°08.4'	1990	52°09.8'	1975	36°27.1'	2331	82°10.3'	2009	108°18.7'	2191
8	27°30.5'	1990	52°47.8'	1974	37°02.2'	2320	81°32.6'	2008	108°54.9'	2190
9	26°52.5'	1990	53°25.9'	1973	37°37.4'	2309	80°54.8'	2007	109°31.2'	2189
10	26°14.6'	1990	54°04.0'	1972	38°12.6'	2299	80°17.0'	2006	110°07.4'	2189
11	25°36.6'	1991	54°42.1'	1971	38°47.9'	2289	79°39.2'	2006	110°43.7'	2188
12	24°58.7'	1991	55°20.2'	1971	39°23.4'	2280	79°01.4'	2005	111°19.9'	2188
13	24°20.8'	1992	55°58.3'	1970	39°58.9'	2271	78°23.6'	2005	111°56.2'	2187
14	23°42.8'	1992	56°36.5'	1970	40°34.4'	2263	77°45.7'	2005	112°32.4'	2187
15	23°04.9'	1993	57°14.6'	1969	41°10.1'	2255	77°07.9'	2005	113°08.7'	2187
16	22°27.0'	1995	57°52.7'	1969	41°45.8'	2248	76°30.1'	2005	113°44.9'	2187
17	21°49.1'	1996	58°30.8'	1969	42°21.5'	2241	75°52.3'	2005	114°21.2'	2187
18	21°11.2'	1998	59°09.0'	1969	42°57.3'	2234	75°14.5'	2005	114°57.5'	2187
19	20°33.3'	2000	59°47.1'	1969	43°33.2'	2228	74°36.7'	2005	115°33.7'	2187
20	19°55.5'	2002	60°25.2'	1969	44°09.1'	2222	73°58.8'	2005	116°10.0'	2188
21	19°17.6'	2004	61°03.4'	1969	44°45.1'	2217	73°21.0'	2006	116°46.2'	2188
22	18°39.8'	2007	61°41.5'	1969	45°21.1'	2212	72°43.2'	2006	117°22.5'	2189
23	18°02.0'	2010	62°19.6'	1969	45°57.2'	2207	72°05.4'	2007	117°58.7'	2190

Tue Jan 22, 2019 UTC

UTC	−Regulus		+Pollux		+Aldebaran		+Betelgeuse		−Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	17°24.2'	2014	19°52.8'	2254	62°57.8'	1970	46°33.2'	2202	71°27.6'	2008
1	16°46.5'	2018	20°28.5'	2238	63°35.9'	1970	47°09.4'	2198	70°49.8'	2009
2	16°08.8'	2023	21°04.3'	2223	64°14.0'	1971	47°45.6'	2194	70°12.0'	2010
3	15°31.1'	2028	21°40.3'	2210	64°52.1'	1972	48°21.8'	2191	69°34.3'	2011
4	14°53.5'	2034	22°16.3'	2198	65°30.2'	1972	48°58.0'	2187	68°56.5'	2012
5	14°16.0'	2040	22°52.5'	2188	66°08.3'	1973	49°34.2'	2184	68°18.8'	2013
6	13°38.4'	2048	23°28.8'	2178	66°46.4'	1974	50°10.5'	2181	67°41.0'	2014
7	13°01.0'	2056	24°05.1'	2169	67°24.5'	1975	50°46.8'	2178	67°03.3'	2016
8	12°23.6'	2066	24°41.5'	2161	68°02.6'	1976	51°23.2'	2176	66°25.6'	2017
9	11°46.4'	2078	25°18.0'	2154	68°40.6'	1978	51°59.5'	2174	65°47.9'	2019
10	11°09.2'	2092	25°54.5'	2147	69°18.7'	1979	52°35.9'	2172	65°10.2'	2021
11	10°32.1'	2107	26°31.1'	2141	69°56.7'	1980	53°12.3'	2170	64°32.5'	2023
12	9°55.2'	2126	27°07.8'	2136	70°34.8'	1982	53°48.7'	2168	63°54.8'	2025
13	9°18.4'	2149	27°44.5'	2131	71°12.8'	1983	54°25.1'	2167	63°17.2'	2027
14	8°41.8'	2177	28°21.2'	2126	71°50.8'	1985	55°01.6'	2166	62°39.6'	2029
15	8°05.5'	2211	28°58.0'	2123	72°28.8'	1987	55°38.0'	2165	62°01.9'	2031
16	7°29.4'	2255	29°34.8'	2119	73°06.7'	1989	56°14.4'	2164	61°24.4'	2034
17	6°53.7'	2311	30°11.6'	2116	73°44.7'	1990	56°50.9'	2163	60°46.8'	2036
18	6°18.5'	2384	30°48.5'	2114	74°22.6'	1992	57°27.4'	2163	60°09.3'	2039
19	5°43.8'	2483	31°25.3'	2111	75°00.6'	1995	58°03.8'	2163	59°31.7'	2041
20	–	–	32°02.2'	2109	75°38.5'	1997	58°40.3'	2163	58°54.2'	2044
21	–	–	32°39.2'	2108	76°16.3'	1999	59°16.8'	2163	58°16.8'	2047
22	–	–	33°16.1'	2106	76°54.2'	2001	59°53.2'	2163	57°39.3'	2050
23	–	–	33°53.0'	2105	77°32.1'	2004	60°29.7'	2163	57°01.9'	2053

Wed Jan 23, 2019 UTC

UTC	+Pollux		−Spica		+Betelgeuse		+Procyon		+Aldebaran	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	34°30.0'	2105	56°24.5'	2057	61°06.1'	2164	36°38.0'	2510	78°09.9'	2006
1	35°06.9'	2104	55°47.1'	2060	61°42.6'	2164	37°11.7'	2498	78°47.7'	2009
2	35°43.9'	2104	55°09.8'	2063	62°19.1'	2165	37°45.4'	2487	79°25.5'	2011
3	36°20.9'	2104	54°32.5'	2067	62°55.5'	2166	38°19.3'	2476	80°03.2'	2014
4	36°57.8'	2104	53°55.2'	2071	63°31.9'	2167	38°53.2'	2467	80°41.0'	2017
5	37°34.8'	2104	53°18.0'	2074	64°08.4'	2169	39°27.2'	2458	81°18.7'	2020
6	38°11.8'	2105	52°40.7'	2078	64°44.8'	2170	40°01.3'	2449	81°56.4'	2023
7	38°48.7'	2105	52°03.6'	2082	65°21.2'	2171	40°35.4'	2441	82°34.0'	2026
8	39°25.7'	2106	51°26.4'	2086	65°57.6'	2173	41°09.6'	2434	83°11.7'	2029
9	40°02.6'	2107	50°49.3'	2090	66°34.0'	2175	41°43.9'	2427	83°49.3'	2032
10	40°39.5'	2109	50°12.2'	2095	67°10.3'	2177	42°18.2'	2421	84°26.9'	2035
11	41°16.5'	2110	49°35.2'	2099	67°46.7'	2179	42°52.5'	2415	85°04.4'	2038
12	41°53.4'	2112	48°58.2'	2104	68°23.0'	2181	43°26.9'	2410	85°41.9'	2042
13	42°30.3'	2113	48°21.2'	2108	68°59.3'	2183	44°01.4'	2405	86°19.4'	2045
14	43°07.1'	2115	47°44.3'	2113	69°35.6'	2185	44°35.9'	2401	86°56.9'	2048
15	43°44.0'	2117	47°07.4'	2118	70°11.9'	2188	45°10.4'	2397	87°34.3'	2052
16	44°20.9'	2119	46°30.6'	2123	70°48.1'	2191	45°44.9'	2393	88°11.7'	2056
17	44°57.7'	2122	45°53.8'	2128	71°24.4'	2193	46°19.5'	2390	88°49.1'	2059
18	45°34.5'	2124	45°17.0'	2134	72°00.6'	2196	46°54.1'	2387	89°26.5'	2063
19	46°11.3'	2127	44°40.3'	2139	72°36.8'	2199	47°28.8'	2384	90°03.8'	2067
20	46°48.1'	2129	44°03.6'	2145	73°12.9'	2202	48°03.4'	2382	90°41.1'	2071
21	47°24.8'	2132	43°27.0'	2150	73°49.1'	2205	48°38.1'	2380	91°18.3'	2075
22	48°01.5'	2135	42°50.4'	2156	74°25.2'	2208	49°12.8'	2378	91°55.5'	2079
23	48°38.2'	2138	42°13.9'	2162	75°01.3'	2212	49°47.5'	2377	92°32.7'	2083

Thu Jan 24, 2019 UTC

UTC	+Regulus		-Spica		+Pollux		+Procyon		+Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	13°12.0'	2159	41°37.5'	2168	49°14.9'	2141	50°22.2'	2376	75°37.3'	2215
1	13°48.5'	2157	41°01.0'	2174	49°51.5'	2144	50°56.9'	2375	76°13.3'	2218
2	14°25.1'	2156	40°24.7'	2181	50°28.2'	2147	51°31.6'	2374	76°49.3'	2222
3	15°01.6'	2155	39°48.4'	2187	51°04.8'	2151	52°06.4'	2374	77°25.3'	2226
4	15°38.1'	2155	39°12.1'	2194	51°41.3'	2154	52°41.1'	2374	78°01.3'	2229
5	16°14.6'	2156	38°35.9'	2201	52°17.9'	2158	53°15.8'	2374	78°37.2'	2233
6	16°51.2'	2157	37°59.8'	2208	52°54.4'	2161	53°50.6'	2374	79°13.0'	2237
7	17°27.7'	2158	37°23.7'	2215	53°30.9'	2165	54°25.3'	2375	79°48.9'	2241
8	18°04.2'	2160	36°47.6'	2223	54°07.3'	2169	55°00.0'	2375	80°24.7'	2245
9	18°40.7'	2162	36°11.7'	2230	54°43.7'	2173	55°34.8'	2376	81°00.5'	2249
10	19°17.1'	2165	35°35.8'	2238	55°20.1'	2177	56°09.5'	2377	81°36.2'	2254
11	19°53.6'	2167	34°59.9'	2246	55°56.4'	2181	56°44.2'	2378	82°11.9'	2258
12	20°30.0'	2170	34°24.2'	2255	56°32.8'	2185	57°18.9'	2380	82°47.6'	2262
13	21°06.4'	2173	33°48.5'	2263	57°09.0'	2189	57°53.6'	2381	83°23.2'	2267
14	21°42.8'	2177	33°12.8'	2272	57°45.3'	2193	58°28.2'	2383	83°58.8'	2271
15	22°19.1'	2180	32°37.3'	2281	58°21.5'	2197	59°02.9'	2385	84°34.4'	2276
16	22°55.5'	2184	32°01.8'	2290	58°57.7'	2202	59°37.5'	2387	85°09.9'	2281
17	23°31.7'	2187	31°26.4'	2300	59°33.8'	2206	60°12.2'	2389	85°45.4'	2285
18	24°08.0'	2191	30°51.1'	2310	60°09.9'	2210	60°46.8'	2392	86°20.9'	2290
19	24°44.2'	2195	30°15.8'	2320	60°46.0'	2215	61°21.4'	2394	86°56.3'	2295
20	25°20.4'	2199	29°40.6'	2331	61°22.0'	2220	61°56.0'	2397	87°31.7'	2300
21	25°56.6'	2203	29°05.6'	2342	61°58.0'	2224	62°30.5'	2399	88°07.0'	2305
22	26°32.7'	2208	28°30.6'	2353	62°34.0'	2229	63°05.0'	2402	88°42.3'	2310
23	27°08.8'	2212	27°55.7'	2365	63°09.9'	2234	63°39.6'	2405	89°17.5'	2315

Fri Jan 25, 2019 UTC

UTC	+Regulus		-Spica		+Pollux		-Antares		+Procyon	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	27°44.9'	2217	27°20.9'	2377	63°45.7'	2238	72°57.6'	2250	64°14.0'	2408
1	28°20.9'	2221	26°46.1'	2390	64°21.6'	2243	72°21.8'	2256	64°48.5'	2411
2	28°56.8'	2226	26°11.5'	2404	64°57.4'	2248	71°46.2'	2262	65°22.9'	2415
3	29°32.8'	2230	25°37.0'	2418	65°33.1'	2253	71°10.5'	2267	65°57.3'	2418
4	30°08.7'	2235	25°02.7'	2432	66°08.8'	2258	70°34.9'	2273	66°31.7'	2421
5	30°44.5'	2240	24°28.4'	2448	66°44.5'	2263	69°59.4'	2279	67°06.1'	2425
6	31°20.4'	2245	23°54.2'	2464	67°20.2'	2268	69°23.9'	2284	67°40.4'	2429
7	31°56.1'	2250	23°20.2'	2481	67°55.7'	2273	68°48.4'	2290	68°14.7'	2432
8	32°31.9'	2255	22°46.3'	2499	68°31.3'	2278	68°13.0'	2296	68°49.0'	2436
9	33°07.6'	2260	22°12.6'	2517	69°06.8'	2283	67°37.6'	2302	69°23.2'	2440
10	33°43.2'	2265	21°39.0'	2538	69°42.3'	2289	67°02.3'	2308	69°57.4'	2444
11	34°18.9'	2270	21°05.5'	2559	70°17.7'	2294	66°27.0'	2314	70°31.6'	2448
12	34°54.4'	2275	20°32.2'	2581	70°53.1'	2299	65°51.8'	2320	71°05.8'	2453
13	35°30.0'	2280	19°59.1'	2606	71°28.4'	2304	65°16.7'	2326	71°39.9'	2457
14	36°05.5'	2286	19°26.2'	2632	72°03.7'	2310	64°41.5'	2332	72°13.9'	2461
15	36°40.9'	2291	18°53.5'	2659	72°39.0'	2315	64°06.5'	2339	72°48.0'	2465
16	37°16.3'	2296	18°20.9'	2689	73°14.2'	2320	63°31.5'	2345	73°22.0'	2470
17	37°51.7'	2302	17°48.6'	2722	73°49.3'	2326	62°56.5'	2351	73°56.0'	2474
18	38°27.0'	2307	17°16.6'	2757	74°24.4'	2331	62°21.6'	2357	74°29.9'	2479
19	39°02.3'	2312	16°44.8'	2795	74°59.5'	2337	61°46.7'	2364	75°03.8'	2484
20	39°37.5'	2318	16°13.2'	2837	75°34.6'	2342	61°11.9'	2370	75°37.7'	2488
21	40°12.7'	2323	15°42.0'	2883	76°09.5'	2348	60°37.1'	2376	76°11.5'	2493
22	40°47.8'	2329	15°11.1'	2933	76°44.5'	2353	60°02.4'	2383	76°45.3'	2498
23	41°22.9'	2334	14°40.6'	2989	77°19.4'	2359	59°27.7'	2389	77°19.1'	2503

Sat Jan 26, 2019 UTC

UTC	−Sun		+Regulus		−Antares		−Spica		−Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	113°45.2′	2656	41°58.0′	2340	58°53.1′	2396	14°10.4′	3051	64°53.1′	2394
1	113°12.6′	2663	42°33.0′	2345	58°18.6′	2402	13°40.7′	3120	64°18.5′	2399
2	112°40.1′	2669	43°08.0′	2351	57°44.1′	2409	13°11.5′	3197	63°44.0′	2405
3	112°07.7′	2675	43°42.9′	2356	57°09.6′	2415	12°42.7′	3284	63°09.5′	2411
4	111°35.3′	2681	44°17.8′	2362	56°35.2′	2422	12°14.6′	3383	62°35.0′	2417
5	111°02.9′	2687	44°52.6′	2367	56°00.8′	2429	11°47.0′	3495	62°00.6′	2423
6	110°30.6′	2693	45°27.4′	2373	55°26.5′	2435	11°20.2′	3623	61°26.3′	2429
7	109°58.3′	2700	46°02.1′	2379	54°52.3′	2442	–	–	60°52.0′	2435
8	109°26.1′	2706	46°36.8′	2384	54°18.1′	2449	–	–	60°17.7′	2440
9	108°53.9′	2712	47°11.5′	2390	53°44.0′	2456	–	–	59°43.5′	2446
10	108°21.8′	2718	47°46.1′	2395	53°09.9′	2463	–	–	59°09.4′	2452
11	107°49.7′	2724	48°20.6′	2401	52°35.8′	2469	–	–	58°35.3′	2458
12	107°17.6′	2731	48°55.2′	2407	52°01.9′	2476	–	–	58°01.2′	2464
13	106°45.6′	2737	49°29.6′	2412	51°27.9′	2483	–	–	57°27.2′	2470
14	106°13.7′	2743	50°04.1′	2418	50°54.1′	2490	–	–	56°53.2′	2476
15	105°41.8′	2749	50°38.4′	2423	50°20.3′	2497	–	–	56°19.3′	2482
16	105°09.9′	2755	51°12.8′	2429	49°46.5′	2505	–	–	55°45.4′	2488
17	104°38.1′	2762	51°47.1′	2435	49°12.8′	2512	–	–	55°11.5′	2493
18	104°06.4′	2768	52°21.3′	2440	48°39.1′	2519	–	–	54°37.8′	2499
19	103°34.6′	2774	52°55.5′	2446	48°05.6′	2526	–	–	54°04.0′	2505
20	103°03.0′	2780	53°29.7′	2452	47°32.0′	2533	–	–	53°30.3′	2511
21	102°31.3′	2786	54°03.8′	2457	46°58.5′	2541	–	–	52°56.7′	2517
22	101°59.7′	2793	54°37.9′	2463	46°25.1′	2548	–	–	52°23.0′	2523
23	101°28.2′	2799	55°11.9′	2468	45°51.7′	2556	–	–	51°49.5′	2529

Sun Jan 27, 2019 UTC

UTC	−Sun		−Antares		+Regulus		−Jupiter		−Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	100°56.7′	2805	45°18.4′	2563	55°45.9′	2474	51°16.0′	2535	78°39.8′	2504
1	100°25.2′	2811	44°45.2′	2571	56°19.9′	2480	50°42.5′	2540	78°06.1′	2510
2	99°53.8′	2817	44°12.0′	2578	56°53.8′	2485	50°09.1′	2546	77°32.4′	2516
3	99°22.5′	2823	43°38.8′	2586	57°27.6′	2491	49°35.7′	2552	76°58.8′	2522
4	98°51.1′	2829	43°05.8′	2594	58°01.4′	2496	49°02.3′	2558	76°25.2′	2527
5	98°19.9′	2835	42°32.7′	2602	58°35.2′	2502	48°29.0′	2564	75°51.7′	2533
6	97°48.6′	2841	41°59.8′	2610	59°08.9′	2507	47°55.8′	2569	75°18.2′	2539
7	97°17.4′	2847	41°26.9′	2618	59°42.6′	2513	47°22.6′	2575	74°44.8′	2544
8	96°46.3′	2853	40°54.1′	2626	60°16.2′	2518	46°49.4′	2581	74°11.4′	2550
9	96°15.2′	2859	40°21.3′	2634	60°49.8′	2524	46°16.3′	2587	73°38.0′	2555
10	95°44.1′	2865	39°48.6′	2642	61°23.4′	2529	45°43.2′	2593	73°04.7′	2561
11	95°13.1′	2871	39°15.9′	2651	61°56.9′	2535	45°10.2′	2598	72°31.4′	2567
12	94°42.1′	2877	38°43.3′	2659	62°30.4′	2540	44°37.2′	2604	71°58.2′	2572
13	94°11.2′	2883	38°10.8′	2668	63°03.8′	2546	44°04.3′	2610	71°25.0′	2578
14	93°40.3′	2889	37°38.3′	2676	63°37.2′	2551	43°31.4′	2616	70°51.9′	2583
15	93°09.5′	2895	37°05.9′	2685	64°10.5′	2557	42°58.5′	2621	70°18.8′	2589
16	92°38.7′	2901	36°33.6′	2694	64°43.8′	2562	42°25.7′	2627	69°45.7′	2594
17	92°07.9′	2907	36°01.3′	2703	65°17.1′	2567	41°53.0′	2633	69°12.7′	2600
18	91°37.2′	2913	35°29.1′	2712	65°50.3′	2573	41°20.2′	2638	68°39.7′	2605
19	91°06.5′	2919	34°57.0′	2722	66°23.5′	2578	40°47.5′	2644	68°06.8′	2610
20	90°35.9′	2924	34°24.9′	2731	66°56.6′	2583	40°14.9′	2650	67°33.9′	2616
21	90°05.3′	2930	33°53.0′	2741	67°29.7′	2589	39°42.3′	2655	67°01.0′	2621
22	89°34.7′	2936	33°21.0′	2751	68°02.8′	2594	39°09.8′	2661	66°28.2′	2626
23	89°04.2′	2942	32°49.2′	2761	68°35.8′	2599	38°37.2′	2667	65°55.5′	2632

Mon Jan 28, 2019 UTC

UTC	-Sun		-Jupiter		-Antares		+Spica		-Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	88°33.7'	2947	38°04.8'	2672	32°17.4'	2772	16°43.2'	3063	65°22.7'	2637
1	88°03.3'	2953	37°32.3'	2678	31°45.7'	2782	17°12.8'	3040	64°50.0'	2642
2	87°32.9'	2959	36°60.0'	2683	31°14.1'	2793	17°42.6'	3020	64°17.4'	2648
3	87°02.5'	2964	36°27.6'	2689	30°42.6'	2804	18°12.5'	3002	63°44.8'	2653
4	86°32.2'	2970	35°55.3'	2695	30°11.1'	2816	18°42.6'	2986	63°12.2'	2658
5	86°01.9'	2975	35°23.1'	2700	29°39.7'	2828	19°12.8'	2971	62°39.7'	2663
6	85°31.7'	2981	34°50.8'	2706	29°08.5'	2840	19°43.0'	2959	62°07.2'	2668
7	85°01.5'	2986	34°18.7'	2711	28°37.3'	2852	20°13.4'	2947	61°34.7'	2673
8	84°31.3'	2992	33°46.5'	2717	28°06.1'	2865	20°43.8'	2937	61°02.3'	2678
9	84°01.2'	2997	33°14.4'	2722	27°35.1'	2879	21°14.3'	2928	60°29.9'	2684
10	83°31.1'	3003	32°42.4'	2728	27°04.2'	2892	21°44.9'	2920	59°57.6'	2689
11	83°01.0'	3008	32°10.3'	2733	26°33.4'	2907	22°15.5'	2913	59°25.3'	2694
12	82°31.0'	3014	31°38.4'	2739	26°02.7'	2922	22°46.2'	2906	58°53.0'	2699
13	82°01.0'	3019	31°06.4'	2744	25°32.0'	2937	23°16.9'	2901	58°20.8'	2704
14	81°31.1'	3024	30°34.5'	2750	25°01.5'	2953	23°47.7'	2896	57°48.6'	2708
15	81°01.2'	3030	30°02.7'	2756	24°31.1'	2970	24°18.5'	2891	57°16.4'	2713
16	80°31.3'	3035	29°30.9'	2761	24°00.8'	2987	24°49.4'	2887	56°44.3'	2718
17	80°01.5'	3040	28°59.1'	2767	23°30.7'	3006	25°20.2'	2884	56°12.2'	2723
18	79°31.7'	3045	28°27.4'	2772	23°00.7'	3025	25°51.1'	2881	55°40.1'	2728
19	79°01.9'	3050	27°55.7'	2778	22°30.8'	3045	26°22.0'	2879	55°08.1'	2733
20	78°32.2'	3055	27°24.0'	2783	22°01.0'	3067	26°52.9'	2877	54°36.1'	2737
21	78°02.5'	3060	26°52.4'	2789	21°31.4'	3089	27°23.9'	2875	54°04.2'	2742
22	77°32.9'	3066	26°20.8'	2794	21°01.9'	3113	27°54.8'	2874	53°32.3'	2747
23	77°03.3'	3071	25°49.3'	2800	20°32.6'	3139	28°25.8'	2873	53°00.4'	2751

Tue Jan 29, 2019 UTC

UTC	-Sun		-Jupiter		+Spica		-Antares		-Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	76°33.7'	3076	25°17.8'	2806	28°56.7'	2872	20°03.5'	3165	52°28.6'	2756
1	76°04.1'	3080	24°46.4'	2811	29°27.7'	2872	19°34.6'	3194	51°56.7'	2761
2	75°34.6'	3085	24°15.0'	2817	29°58.7'	2872	19°05.8'	3225	51°25.0'	2765
3	75°05.1'	3090	23°43.6'	2823	30°29.6'	2872	18°37.2'	3258	50°53.2'	2770
4	74°35.7'	3095	23°12.3'	2829	31°00.6'	2872	18°08.9'	3293	50°21.5'	2774
5	74°06.2'	3100	22°41.0'	2835	31°31.6'	2872	17°40.8'	3331	49°49.8'	2779
6	73°36.9'	3105	22°09.8'	2841	32°02.6'	2873	17°12.9'	3372	49°18.2'	2783
7	73°07.5'	3109	21°38.6'	2847	32°33.5'	2873	16°45.3'	3416	48°46.6'	2787
8	72°38.2'	3114	21°07.4'	2853	33°04.5'	2874	16°18.0'	3464	48°15.0'	2792
9	72°08.9'	3119	20°36.3'	2859	33°35.4'	2875	15°51.0'	3517	47°43.5'	2796
10	71°39.6'	3123	20°05.3'	2866	34°06.4'	2876	15°24.3'	3574	47°11.9'	2800
11	71°10.4'	3128	19°34.2'	2872	34°37.3'	2877	14°57.9'	3637	46°40.5'	2805
12	70°41.2'	3133	19°03.3'	2879	35°08.3'	2879	14°32.0'	3706	46°09.0'	2809
13	70°12.0'	3137	18°32.4'	2886	35°39.2'	2880	14°06.4'	3782	45°37.6'	2813
14	69°42.9'	3142	18°01.5'	2893	36°10.1'	2882	13°41.3'	3866	45°06.2'	2817
15	69°13.8'	3146	17°30.7'	2900	36°41.0'	2883	13°16.7'	3959	44°34.8'	2821
16	68°44.7'	3151	16°59.9'	2907	37°11.9'	2885	12°52.5'	4063	44°03.5'	2825
17	68°15.7'	3155	16°29.2'	2915	37°42.8'	2887	12°29.0'	4179	43°32.2'	2829
18	67°46.7'	3159	15°58.5'	2923	38°13.6'	2888	12°06.1'	4310	43°00.9'	2833
19	67°17.7'	3164	15°27.9'	2932	38°44.5'	2890	11°43.8'	4457	42°29.7'	2837
20	66°48.7'	3168	14°57.3'	2941	39°15.3'	2892	-	-	41°58.4'	2841
21	66°19.8'	3172	14°26.9'	2950	39°46.2'	2894	-	-	41°27.2'	2845
22	65°50.9'	3176	13°56.4'	2961	40°17.0'	2896	-	-	40°56.1'	2849
23	65°22.0'	3181	13°26.1'	2971	40°47.8'	2898	-	-	40°25.0'	2853

Wed Jan 30, 2019 UTC

UTC	-Sun		-Jupiter		-Saturn		+Spica		-Venus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	64°53.1'	3185	12°55.8'	2983	39°53.8'	2857	41°18.6'	2900	19°27.1'	3227
1	64°24.3'	3189	12°25.6'	2996	39°22.8'	2861	41°49.3'	2902	18°58.6'	3231
2	63°55.5'	3193	11°55.5'	3009	38°51.7'	2864	42°20.1'	2904	18°30.0'	3235
3	63°26.8'	3197	11°25.5'	3025	38°20.7'	2868	42°50.8'	2906	18°01.6'	3239
4	62°58.0'	3201	10°55.6'	3041	37°49.7'	2872	43°21.6'	2909	17°33.1'	3243
5	62°29.3'	3205	10°25.9'	3060	37°18.7'	2876	43°52.3'	2911	17°04.7'	3247
6	62°00.6'	3209	9°56.2'	3081	36°47.8'	2879	44°23.0'	2913	16°36.3'	3251
7	61°32.0'	3213	9°26.7'	3105	36°16.9'	2883	44°53.6'	2915	16°07.9'	3255
8	61°03.3'	3217	8°57.3'	3133	35°46.0'	2886	45°24.3'	2917	15°39.5'	3259
9	60°34.7'	3220	8°28.2'	3165	35°15.1'	2890	45°55.0'	2920	15°11.2'	3263
10	60°06.2'	3224	7°59.2'	3203	34°44.3'	2893	46°25.6'	2922	14°42.9'	3267
11	59°37.6'	3228	7°30.5'	3248	34°13.4'	2897	46°56.2'	2924	14°14.6'	3270
12	59°09.1'	3232	7°02.1'	3303	33°42.6'	2900	47°26.8'	2927	13°46.3'	3274
13	58°40.5'	3235	6°34.1'	3370	33°11.9'	2904	47°57.4'	2929	13°18.1'	3278
14	58°12.1'	3239	6°06.4'	3454	32°41.1'	2907	48°28.0'	2931	12°49.9'	3282
15	57°43.6'	3243	5°39.4'	3561	32°10.4'	2910	48°58.5'	2933	12°21.7'	3285
16	57°15.2'	3246	-	-	31°39.7'	2914	49°29.1'	2936	11°53.6'	3289
17	56°46.7'	3250	-	-	31°09.0'	2917	49°59.6'	2938	11°25.4'	3293
18	56°18.4'	3253	-	-	30°38.4'	2920	50°30.1'	2940	10°57.3'	3296
19	55°50.0'	3257	-	-	30°07.7'	2923	51°00.6'	2943	10°29.2'	3300
20	55°21.6'	3260	-	-	29°37.1'	2926	51°31.0'	2945	10°01.2'	3303
21	54°53.3'	3263	-	-	29°06.6'	2930	52°01.5'	2947	9°33.1'	3307
22	54°25.0'	3267	-	-	28°36.0'	2933	52°31.9'	2949	9°05.1'	3310
23	53°56.7'	3270	-	-	28°05.5'	2936	53°02.4'	2952	8°37.1'	3313

Thu Jan 31, 2019 UTC

UTC	-Sun		-Saturn		-Venus		+Spica		+Arcturus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	53°28.5'	3273	27°34.9'	2939	8°09.1'	3317	53°32.8'	2954	56°48.0'	3559
1	53°00.2'	3277	27°04.4'	2942	7°41.2'	3320	54°03.2'	2956	57°14.4'	3554
2	52°32.0'	3280	26°34.0'	2945	7°13.2'	3323	54°33.5'	2958	57°40.9'	3550
3	52°03.8'	3283	26°03.5'	2948	6°45.3'	3327	55°03.9'	2961	58°07.4'	3546
4	51°35.7'	3286	25°33.1'	2951	6°17.4'	3330	55°34.2'	2963	58°33.9'	3542
5	51°07.5'	3289	25°02.7'	2954	5°49.5'	3333	56°04.6'	2965	59°00.5'	3538
6	50°39.4'	3292	24°32.3'	2956	5°21.7'	3336	56°34.9'	2967	59°27.0'	3534
7	50°11.3'	3296	24°01.9'	2959	4°53.9'	3340	57°05.2'	2969	59°53.6'	3530
8	49°43.2'	3299	23°31.5'	2962	4°26.1'	3343	57°35.5'	2971	60°20.2'	3527
9	49°15.1'	3302	23°01.2'	2965	3°58.3'	3346	58°05.7'	2974	60°46.9'	3524
10	48°47.0'	3305	22°30.9'	2968	3°30.5'	3350	58°36.0'	2976	61°13.5'	3520
11	48°19.0'	3307	22°00.6'	2970	3°02.7'	3353	59°06.2'	2978	61°40.2'	3517
12	47°51.0'	3310	21°30.3'	2973	2°35.0'	3357	59°36.5'	2980	62°06.9'	3514
13	47°23.0'	3313	21°00.0'	2976	2°07.3'	3362	60°06.7'	2982	62°33.6'	3512
14	46°55.0'	3316	20°29.8'	2978	1°39.7'	3368	60°36.9'	2984	63°00.3'	3509
15	46°27.1'	3319	19°59.6'	2981	1°12.0'	3382	61°07.0'	2986	63°27.1'	3506
16	45°59.1'	3322	19°29.4'	2984	44.5'	3449	61°37.2'	2988	63°53.8'	3504
17	45°31.2'	3324	18°59.2'	2986	-	-	62°07.4'	2990	64°20.6'	3502
18	45°03.3'	3327	18°29.0'	2989	-	-	62°37.5'	2992	64°47.4'	3500
19	44°35.4'	3330	17°58.9'	2991	39.1'	3398	63°07.6'	2994	65°14.2'	3497
20	44°07.5'	3332	17°28.8'	2994	1°06.5'	3386	63°37.7'	2996	65°41.0'	3495
21	43°39.7'	3335	16°58.6'	2997	1°34.0'	3384	64°07.8'	2998	66°07.9'	3494
22	43°11.8'	3338	16°28.6'	2999	2°01.6'	3385	64°37.9'	3000	66°34.7'	3492
23	42°44.0'	3340	15°58.5'	3002	2°29.1'	3386	65°08.0'	3002	67°01.5'	3490