

Wed Feb 1, 2017 UTC

UTC	Venus -4.4		Jupiter -2.0		Saturn +0.6		Mars +1.1	
	v = 0.7' d = 1.1'		v = 2.4' d = 0.0'		v = 2.2' d = 0.0'		v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	134°04.1'	N 0°46.0'	289°29.8'	S 7°40.2'	227°12.7'	S 22°02.4'	128°39.9'	N 0°46.5'
1	149°04.8'	N 0°47.2'	304°32.2'	S 7°40.2'	242°14.9'	S 22°02.5'	143°40.7'	N 0°47.3'
2	164°05.5'	N 0°48.3'	319°34.6'	S 7°40.2'	257°17.1'	S 22°02.5'	158°41.5'	N 0°48.0'
3	179°06.2'	N 0°49.5'	334°37.1'	S 7°40.2'	272°19.3'	S 22°02.5'	173°42.2'	N 0°48.8'
4	194°06.9'	N 0°50.6'	349°39.5'	S 7°40.2'	287°21.5'	S 22°02.5'	188°43.0'	N 0°49.6'
5	209°07.6'	N 0°51.8'	4°41.9'	S 7°40.2'	302°23.7'	S 22°02.5'	203°43.8'	N 0°50.4'
6	224°08.3'	N 0°52.9'	19°44.3'	S 7°40.2'	317°26.0'	S 22°02.5'	218°44.5'	N 0°51.1'
7	239°09.1'	N 0°54.0'	34°46.7'	S 7°40.2'	332°28.2'	S 22°02.5'	233°45.3'	N 0°51.9'
8	254°09.8'	N 0°55.2'	49°49.2'	S 7°40.2'	347°30.4'	S 22°02.5'	248°46.1'	N 0°52.7'
9	269°10.5'	N 0°56.3'	64°51.6'	S 7°40.2'	2°32.6'	S 22°02.5'	263°46.8'	N 0°53.5'
10	284°11.2'	N 0°57.5'	79°54.0'	S 7°40.2'	17°34.8'	S 22°02.5'	278°47.6'	N 0°54.2'
11	299°11.9'	N 0°58.6'	94°56.4'	S 7°40.2'	32°37.0'	S 22°02.5'	293°48.4'	N 0°55.0'
12	314°12.7'	N 0°59.8'	109°58.9'	S 7°40.2'	47°39.3'	S 22°02.5'	308°49.1'	N 0°55.8'
13	329°13.4'	N 1°00.9'	125°01.3'	S 7°40.2'	62°41.5'	S 22°02.6'	323°49.9'	N 0°56.6'
14	344°14.1'	N 1°02.0'	140°03.7'	S 7°40.2'	77°43.7'	S 22°02.6'	338°50.7'	N 0°57.3'
15	359°14.8'	N 1°03.2'	155°06.1'	S 7°40.2'	92°45.9'	S 22°02.6'	353°51.5'	N 0°58.1'
16	14°15.6'	N 1°04.3'	170°08.6'	S 7°40.2'	107°48.1'	S 22°02.6'	8°52.2'	N 0°58.9'
17	29°16.3'	N 1°05.5'	185°11.0'	S 7°40.2'	122°50.4'	S 22°02.6'	23°53.0'	N 0°59.7'
18	44°17.0'	N 1°06.6'	200°13.4'	S 7°40.2'	137°52.6'	S 22°02.6'	38°53.8'	N 1°00.4'
19	59°17.8'	N 1°07.7'	215°15.9'	S 7°40.2'	152°54.8'	S 22°02.6'	53°54.5'	N 1°01.2'
20	74°18.5'	N 1°08.9'	230°18.3'	S 7°40.2'	167°57.0'	S 22°02.6'	68°55.3'	N 1°02.0'
21	89°19.2'	N 1°10.0'	245°20.7'	S 7°40.2'	182°59.2'	S 22°02.6'	83°56.1'	N 1°02.8'
22	104°20.0'	N 1°11.2'	260°23.1'	S 7°40.3'	198°01.4'	S 22°02.6'	98°56.8'	N 1°03.5'
23	119°20.7'	N 1°12.3'	275°25.6'	S 7°40.3'	213°03.7'	S 22°02.6'	113°57.6'	N 1°04.3'

Thu Feb 2, 2017 UTC

UTC	Venus -4.4		Jupiter -2.0		Saturn +0.6		Mars +1.1	
	v = 0.8' d = 1.1'		v = 2.4' d = 0.0'		v = 2.2' d = 0.0'		v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	134°21.4'	N 1°13.4'	290°28.0'	S 7°40.3'	228°05.9'	S 22°02.6'	128°58.4'	N 1°05.1'
1	149°22.2'	N 1°14.6'	305°30.4'	S 7°40.3'	243°08.1'	S 22°02.6'	143°59.2'	N 1°05.9'
2	164°22.9'	N 1°15.7'	320°32.8'	S 7°40.3'	258°10.3'	S 22°02.7'	158°59.9'	N 1°06.6'
3	179°23.7'	N 1°16.8'	335°35.3'	S 7°40.3'	273°12.5'	S 22°02.7'	174°00.7'	N 1°07.4'
4	194°24.4'	N 1°18.0'	350°37.7'	S 7°40.3'	288°14.8'	S 22°02.7'	189°01.5'	N 1°08.2'
5	209°25.2'	N 1°19.1'	5°40.1'	S 7°40.3'	303°17.0'	S 22°02.7'	204°02.2'	N 1°09.0'
6	224°25.9'	N 1°20.2'	20°42.6'	S 7°40.3'	318°19.2'	S 22°02.7'	219°03.0'	N 1°09.7'
7	239°26.7'	N 1°21.4'	35°45.0'	S 7°40.3'	333°21.4'	S 22°02.7'	234°03.8'	N 1°10.5'
8	254°27.4'	N 1°22.5'	50°47.4'	S 7°40.3'	348°23.6'	S 22°02.7'	249°04.5'	N 1°11.3'
9	269°28.2'	N 1°23.6'	65°49.9'	S 7°40.3'	3°25.9'	S 22°02.7'	264°05.3'	N 1°12.1'
10	284°28.9'	N 1°24.8'	80°52.3'	S 7°40.3'	18°28.1'	S 22°02.7'	279°06.1'	N 1°12.8'
11	299°29.7'	N 1°25.9'	95°54.7'	S 7°40.3'	33°30.3'	S 22°02.7'	294°06.9'	N 1°13.6'
12	314°30.4'	N 1°27.0'	110°57.2'	S 7°40.3'	48°32.5'	S 22°02.7'	309°07.6'	N 1°14.4'
13	329°31.2'	N 1°28.2'	125°59.6'	S 7°40.3'	63°34.7'	S 22°02.7'	324°08.4'	N 1°15.1'
14	344°32.0'	N 1°29.3'	141°02.0'	S 7°40.3'	78°37.0'	S 22°02.7'	339°09.2'	N 1°15.9'
15	359°32.7'	N 1°30.4'	156°04.5'	S 7°40.3'	93°39.2'	S 22°02.8'	354°09.9'	N 1°16.7'
16	14°33.5'	N 1°31.6'	171°06.9'	S 7°40.3'	108°41.4'	S 22°02.8'	9°10.7'	N 1°17.5'
17	29°34.3'	N 1°32.7'	186°09.3'	S 7°40.3'	123°43.6'	S 22°02.8'	24°11.5'	N 1°18.2'
18	44°35.0'	N 1°33.8'	201°11.8'	S 7°40.3'	138°45.8'	S 22°02.8'	39°12.2'	N 1°19.0'
19	59°35.8'	N 1°35.0'	216°14.2'	S 7°40.3'	153°48.1'	S 22°02.8'	54°13.0'	N 1°19.8'
20	74°36.6'	N 1°36.1'	231°16.6'	S 7°40.3'	168°50.3'	S 22°02.8'	69°13.8'	N 1°20.6'
21	89°37.3'	N 1°37.2'	246°19.1'	S 7°40.3'	183°52.5'	S 22°02.8'	84°14.6'	N 1°21.3'
22	104°38.1'	N 1°38.4'	261°21.5'	S 7°40.3'	198°54.7'	S 22°02.8'	99°15.3'	N 1°22.1'
23	119°38.9'	N 1°39.5'	276°23.9'	S 7°40.3'	213°57.0'	S 22°02.8'	114°16.1'	N 1°22.9'

Fri Feb 3, 2017 UTC

UTC	Venus -4.4 v = 0.8' d = 1.1'		Jupiter -2.0 v = 2.4' d = 0.0'		Saturn +0.6 v = 2.2' d = 0.0'		Mars +1.1 v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	134°39.7'	N 1°40.6'	291°26.4'	S 7°40.3'	228°59.2'	S 22°02.8'	129°16.9'	N 1°23.6'
1	149°40.4'	N 1°41.7'	306°28.8'	S 7°40.3'	244°01.4'	S 22°02.8'	144°17.6'	N 1°24.4'
2	164°41.2'	N 1°42.9'	321°31.2'	S 7°40.3'	259°03.6'	S 22°02.8'	159°18.4'	N 1°25.2'
3	179°42.0'	N 1°44.0'	336°33.7'	S 7°40.3'	274°05.8'	S 22°02.8'	174°19.2'	N 1°26.0'
4	194°42.8'	N 1°45.1'	351°36.1'	S 7°40.3'	289°08.1'	S 22°02.9'	189°19.9'	N 1°26.7'
5	209°43.6'	N 1°46.2'	6°38.5'	S 7°40.3'	304°10.3'	S 22°02.9'	204°20.7'	N 1°27.5'
6	224°44.3'	N 1°47.4'	21°41.0'	S 7°40.3'	319°12.5'	S 22°02.9'	219°21.5'	N 1°28.3'
7	239°45.1'	N 1°48.5'	36°43.4'	S 7°40.3'	334°14.7'	S 22°02.9'	234°22.3'	N 1°29.1'
8	254°45.9'	N 1°49.6'	51°45.9'	S 7°40.3'	349°17.0'	S 22°02.9'	249°23.0'	N 1°29.8'
9	269°46.7'	N 1°50.7'	66°48.3'	S 7°40.3'	4°19.2'	S 22°02.9'	264°23.8'	N 1°30.6'
10	284°47.5'	N 1°51.9'	81°50.7'	S 7°40.3'	19°21.4'	S 22°02.9'	279°24.6'	N 1°31.4'
11	299°48.3'	N 1°53.0'	96°53.2'	S 7°40.3'	34°23.6'	S 22°02.9'	294°25.3'	N 1°32.1'
12	314°49.1'	N 1°54.1'	111°55.6'	S 7°40.3'	49°25.8'	S 22°02.9'	309°26.1'	N 1°32.9'
13	329°49.9'	N 1°55.2'	126°58.1'	S 7°40.3'	64°28.1'	S 22°02.9'	324°26.9'	N 1°33.7'
14	344°50.7'	N 1°56.4'	142°00.5'	S 7°40.3'	79°30.3'	S 22°02.9'	339°27.7'	N 1°34.5'
15	359°51.5'	N 1°57.5'	157°02.9'	S 7°40.3'	94°32.5'	S 22°02.9'	354°28.4'	N 1°35.2'
16	14°52.3'	N 1°58.6'	172°05.4'	S 7°40.3'	109°34.7'	S 22°02.9'	9°29.2'	N 1°36.0'
17	29°53.1'	N 1°59.7'	187°07.8'	S 7°40.3'	124°37.0'	S 22°02.9'	24°30.0'	N 1°36.8'
18	44°53.9'	N 2°00.8'	202°10.3'	S 7°40.3'	139°39.2'	S 22°03.0'	39°30.7'	N 1°37.6'
19	59°54.7'	N 2°02.0'	217°12.7'	S 7°40.3'	154°41.4'	S 22°03.0'	54°31.5'	N 1°38.3'
20	74°55.5'	N 2°03.1'	232°15.1'	S 7°40.3'	169°43.6'	S 22°03.0'	69°32.3'	N 1°39.1'
21	89°56.3'	N 2°04.2'	247°17.6'	S 7°40.3'	184°45.9'	S 22°03.0'	84°33.0'	N 1°39.9'
22	104°57.1'	N 2°05.3'	262°20.0'	S 7°40.3'	199°48.1'	S 22°03.0'	99°33.8'	N 1°40.6'
23	119°57.9'	N 2°06.4'	277°22.5'	S 7°40.3'	214°50.3'	S 22°03.0'	114°34.6'	N 1°41.4'

Sat Feb 4, 2017 UTC

UTC	Venus -4.4 v = 0.8' d = 1.1'		Jupiter -2.0 v = 2.4' d = 0.0'		Saturn +0.6 v = 2.2' d = 0.0'		Mars +1.1 v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	134°58.8'	N 2°07.6'	292°24.9'	S 7°40.3'	229°52.5'	S 22°03.0'	129°35.4'	N 1°42.2'
1	149°59.6'	N 2°08.7'	307°27.4'	S 7°40.2'	244°54.8'	S 22°03.0'	144°36.1'	N 1°43.0'
2	165°00.4'	N 2°09.8'	322°29.8'	S 7°40.2'	259°57.0'	S 22°03.0'	159°36.9'	N 1°43.7'
3	180°01.2'	N 2°10.9'	337°32.2'	S 7°40.2'	274°59.2'	S 22°03.0'	174°37.7'	N 1°44.5'
4	195°02.0'	N 2°12.0'	352°34.7'	S 7°40.2'	290°01.4'	S 22°03.0'	189°38.4'	N 1°45.3'
5	210°02.9'	N 2°13.1'	7°37.1'	S 7°40.2'	305°03.7'	S 22°03.0'	204°39.2'	N 1°46.0'
6	225°03.7'	N 2°14.3'	22°39.6'	S 7°40.2'	320°05.9'	S 22°03.0'	219°40.0'	N 1°46.8'
7	240°04.5'	N 2°15.4'	37°42.0'	S 7°40.2'	335°08.1'	S 22°03.0'	234°40.8'	N 1°47.6'
8	255°05.3'	N 2°16.5'	52°44.5'	S 7°40.2'	350°10.3'	S 22°03.1'	249°41.5'	N 1°48.4'
9	270°06.2'	N 2°17.6'	67°46.9'	S 7°40.2'	5°12.6'	S 22°03.1'	264°42.3'	N 1°49.1'
10	285°07.0'	N 2°18.7'	82°49.4'	S 7°40.2'	20°14.8'	S 22°03.1'	279°43.1'	N 1°49.9'
11	300°07.8'	N 2°19.8'	97°51.8'	S 7°40.2'	35°17.0'	S 22°03.1'	294°43.8'	N 1°50.7'
12	315°08.7'	N 2°20.9'	112°54.3'	S 7°40.2'	50°19.2'	S 22°03.1'	309°44.6'	N 1°51.4'
13	330°09.5'	N 2°22.1'	127°56.7'	S 7°40.2'	65°21.5'	S 22°03.1'	324°45.4'	N 1°52.2'
14	345°10.3'	N 2°23.2'	142°59.2'	S 7°40.2'	80°23.7'	S 22°03.1'	339°46.2'	N 1°53.0'
15	0°11.2'	N 2°24.3'	158°01.6'	S 7°40.2'	95°25.9'	S 22°03.1'	354°46.9'	N 1°53.7'
16	15°12.0'	N 2°25.4'	173°04.1'	S 7°40.2'	110°28.2'	S 22°03.1'	9°47.7'	N 1°54.5'
17	30°12.8'	N 2°26.5'	188°06.5'	S 7°40.2'	125°30.4'	S 22°03.1'	24°48.5'	N 1°55.3'
18	45°13.7'	N 2°27.6'	203°08.9'	S 7°40.2'	140°32.6'	S 22°03.1'	39°49.2'	N 1°56.1'
19	60°14.5'	N 2°28.7'	218°11.4'	S 7°40.2'	155°34.8'	S 22°03.1'	54°50.0'	N 1°56.8'
20	75°15.4'	N 2°29.8'	233°13.8'	S 7°40.2'	170°37.1'	S 22°03.1'	69°50.8'	N 1°57.6'
21	90°16.2'	N 2°30.9'	248°16.3'	S 7°40.2'	185°39.3'	S 22°03.1'	84°51.6'	N 1°58.4'
22	105°17.1'	N 2°32.0'	263°18.7'	S 7°40.2'	200°41.5'	S 22°03.2'	99°52.3'	N 1°59.1'
23	120°17.9'	N 2°33.2'	278°21.2'	S 7°40.2'	215°43.7'	S 22°03.2'	114°53.1'	N 1°59.9'

Sun Feb 5, 2017 UTC

UTC	Venus -4.4 v = 0.9' d = 1.1'		Jupiter -2.0 v = 2.5' d = 0.0'		Saturn +0.6 v = 2.2' d = 0.0'		Mars +1.2 v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	135°18.8'	N 2°34.3'	293°23.6'	S 7°40.1'	230°46.0'	S 22°03.2'	129°53.9'	N 2°00.7'
1	150°19.6'	N 2°35.4'	308°26.1'	S 7°40.1'	245°48.2'	S 22°03.2'	144°54.6'	N 2°01.4'
2	165°20.5'	N 2°36.5'	323°28.5'	S 7°40.1'	260°50.4'	S 22°03.2'	159°55.4'	N 2°02.2'
3	180°21.3'	N 2°37.6'	338°31.0'	S 7°40.1'	275°52.7'	S 22°03.2'	174°56.2'	N 2°03.0'
4	195°22.2'	N 2°38.7'	353°33.5'	S 7°40.1'	290°54.9'	S 22°03.2'	189°57.0'	N 2°03.8'
5	210°23.1'	N 2°39.8'	8°35.9'	S 7°40.1'	305°57.1'	S 22°03.2'	204°57.7'	N 2°04.5'
6	225°23.9'	N 2°40.9'	23°38.4'	S 7°40.1'	320°59.3'	S 22°03.2'	219°58.5'	N 2°05.3'
7	240°24.8'	N 2°42.0'	38°40.8'	S 7°40.1'	336°01.6'	S 22°03.2'	234°59.3'	N 2°06.1'
8	255°25.7'	N 2°43.1'	53°43.3'	S 7°40.1'	351°03.8'	S 22°03.2'	250°00.0'	N 2°06.8'
9	270°26.5'	N 2°44.2'	68°45.7'	S 7°40.1'	6°06.0'	S 22°03.2'	265°00.8'	N 2°07.6'
10	285°27.4'	N 2°45.3'	83°48.2'	S 7°40.1'	21°08.3'	S 22°03.2'	280°01.6'	N 2°08.4'
11	300°28.3'	N 2°46.4'	98°50.6'	S 7°40.1'	36°10.5'	S 22°03.2'	295°02.4'	N 2°09.1'
12	315°29.1'	N 2°47.5'	113°53.1'	S 7°40.1'	51°12.7'	S 22°03.2'	310°03.1'	N 2°09.9'
13	330°30.0'	N 2°48.6'	128°55.5'	S 7°40.1'	66°14.9'	S 22°03.3'	325°03.9'	N 2°10.7'
14	345°30.9'	N 2°49.7'	143°58.0'	S 7°40.1'	81°17.2'	S 22°03.3'	340°04.7'	N 2°11.5'
15	0°31.8'	N 2°50.8'	159°00.4'	S 7°40.0'	96°19.4'	S 22°03.3'	355°05.5'	N 2°12.2'
16	15°32.6'	N 2°51.9'	174°02.9'	S 7°40.0'	111°21.6'	S 22°03.3'	10°06.2'	N 2°13.0'
17	30°33.5'	N 2°53.0'	189°05.4'	S 7°40.0'	126°23.9'	S 22°03.3'	25°07.0'	N 2°13.8'
18	45°34.4'	N 2°54.1'	204°07.8'	S 7°40.0'	141°26.1'	S 22°03.3'	40°07.8'	N 2°14.5'
19	60°35.3'	N 2°55.2'	219°10.3'	S 7°40.0'	156°28.3'	S 22°03.3'	55°08.5'	N 2°15.3'
20	75°36.2'	N 2°56.3'	234°12.7'	S 7°40.0'	171°30.5'	S 22°03.3'	70°09.3'	N 2°16.1'
21	90°37.1'	N 2°57.4'	249°15.2'	S 7°40.0'	186°32.8'	S 22°03.3'	85°10.1'	N 2°16.8'
22	105°38.0'	N 2°58.5'	264°17.6'	S 7°40.0'	201°35.0'	S 22°03.3'	100°10.9'	N 2°17.6'
23	120°38.9'	N 2°59.6'	279°20.1'	S 7°40.0'	216°37.2'	S 22°03.3'	115°11.6'	N 2°18.4'

Mon Feb 6, 2017 UTC

UTC	Venus -4.4 v = 0.9' d = 1.1'		Jupiter -2.0 v = 2.5' d = 0.0'		Saturn +0.6 v = 2.2' d = 0.0'		Mars +1.2 v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	135°39.7'	N 3°00.7'	294°22.6'	S 7°40.0'	231°39.5'	S 22°03.3'	130°12.4'	N 2°19.1'
1	150°40.6'	N 3°01.8'	309°25.0'	S 7°40.0'	246°41.7'	S 22°03.3'	145°13.2'	N 2°19.9'
2	165°41.5'	N 3°02.9'	324°27.5'	S 7°40.0'	261°43.9'	S 22°03.3'	160°13.9'	N 2°20.7'
3	180°42.4'	N 3°04.0'	339°29.9'	S 7°39.9'	276°46.2'	S 22°03.3'	175°14.7'	N 2°21.4'
4	195°43.3'	N 3°05.1'	354°32.4'	S 7°39.9'	291°48.4'	S 22°03.4'	190°15.5'	N 2°22.2'
5	210°44.2'	N 3°06.2'	9°34.8'	S 7°39.9'	306°50.6'	S 22°03.4'	205°16.3'	N 2°23.0'
6	225°45.1'	N 3°07.3'	24°37.3'	S 7°39.9'	321°52.9'	S 22°03.4'	220°17.0'	N 2°23.7'
7	240°46.0'	N 3°08.4'	39°39.8'	S 7°39.9'	336°55.1'	S 22°03.4'	235°17.8'	N 2°24.5'
8	255°47.0'	N 3°09.4'	54°42.2'	S 7°39.9'	351°57.3'	S 22°03.4'	250°18.6'	N 2°25.3'
9	270°47.9'	N 3°10.5'	69°44.7'	S 7°39.9'	6°59.5'	S 22°03.4'	265°19.3'	N 2°26.1'
10	285°48.8'	N 3°11.6'	84°47.2'	S 7°39.9'	22°01.8'	S 22°03.4'	280°20.1'	N 2°26.8'
11	300°49.7'	N 3°12.7'	99°49.6'	S 7°39.9'	37°04.0'	S 22°03.4'	295°20.9'	N 2°27.6'
12	315°50.6'	N 3°13.8'	114°52.1'	S 7°39.9'	52°06.2'	S 22°03.4'	310°21.7'	N 2°28.4'
13	330°51.5'	N 3°14.9'	129°54.5'	S 7°39.8'	67°08.5'	S 22°03.4'	325°22.4'	N 2°29.1'
14	345°52.4'	N 3°16.0'	144°57.0'	S 7°39.8'	82°10.7'	S 22°03.4'	340°23.2'	N 2°29.9'
15	0°53.3'	N 3°17.1'	159°59.5'	S 7°39.8'	97°12.9'	S 22°03.4'	355°24.0'	N 2°30.7'
16	15°54.3'	N 3°18.2'	175°01.9'	S 7°39.8'	112°15.2'	S 22°03.4'	10°24.8'	N 2°31.4'
17	30°55.2'	N 3°19.2'	190°04.4'	S 7°39.8'	127°17.4'	S 22°03.4'	25°25.5'	N 2°32.2'
18	45°56.1'	N 3°20.3'	205°06.9'	S 7°39.8'	142°19.6'	S 22°03.4'	40°26.3'	N 2°33.0'
19	60°57.0'	N 3°21.4'	220°09.3'	S 7°39.8'	157°21.9'	S 22°03.4'	55°27.1'	N 2°33.7'
20	75°58.0'	N 3°22.5'	235°11.8'	S 7°39.8'	172°24.1'	S 22°03.5'	70°27.8'	N 2°34.5'
21	90°58.9'	N 3°23.6'	250°14.2'	S 7°39.8'	187°26.3'	S 22°03.5'	85°28.6'	N 2°35.3'
22	105°59.8'	N 3°24.7'	265°16.7'	S 7°39.7'	202°28.6'	S 22°03.5'	100°29.4'	N 2°36.0'
23	121°00.8'	N 3°25.8'	280°19.2'	S 7°39.7'	217°30.8'	S 22°03.5'	115°30.2'	N 2°36.8'

Tue Feb 7, 2017 UTC

UTC	Venus -4.4 v = 1.0' d = 1.1'		Jupiter -2.0 v = 2.5' d = 0.0'		Saturn +0.6 v = 2.2' d = 0.0'		Mars +1.2 v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	136°01.7'	N 3°26.8'	295°21.6'	S 7°39.7'	232°33.0'	S 22°03.5'	130°30.9'	N 2°37.6'
1	151°02.6'	N 3°27.9'	310°24.1'	S 7°39.7'	247°35.3'	S 22°03.5'	145°31.7'	N 2°38.3'
2	166°03.6'	N 3°29.0'	325°26.6'	S 7°39.7'	262°37.5'	S 22°03.5'	160°32.5'	N 2°39.1'
3	181°04.5'	N 3°30.1'	340°29.0'	S 7°39.7'	277°39.7'	S 22°03.5'	175°33.3'	N 2°39.9'
4	196°05.5'	N 3°31.2'	355°31.5'	S 7°39.7'	292°42.0'	S 22°03.5'	190°34.0'	N 2°40.6'
5	211°06.4'	N 3°32.2'	10°34.0'	S 7°39.7'	307°44.2'	S 22°03.5'	205°34.8'	N 2°41.4'
6	226°07.3'	N 3°33.3'	25°36.4'	S 7°39.7'	322°46.4'	S 22°03.5'	220°35.6'	N 2°42.2'
7	241°08.3'	N 3°34.4'	40°38.9'	S 7°39.6'	337°48.7'	S 22°03.5'	235°36.3'	N 2°42.9'
8	256°09.2'	N 3°35.5'	55°41.4'	S 7°39.6'	352°50.9'	S 22°03.5'	250°37.1'	N 2°43.7'
9	271°10.2'	N 3°36.6'	70°43.8'	S 7°39.6'	7°53.1'	S 22°03.5'	265°37.9'	N 2°44.5'
10	286°11.1'	N 3°37.6'	85°46.3'	S 7°39.6'	22°55.4'	S 22°03.5'	280°38.7'	N 2°45.2'
11	301°12.1'	N 3°38.7'	100°48.8'	S 7°39.6'	37°57.6'	S 22°03.5'	295°39.4'	N 2°46.0'
12	316°13.1'	N 3°39.8'	115°51.2'	S 7°39.6'	52°59.8'	S 22°03.6'	310°40.2'	N 2°46.8'
13	331°14.0'	N 3°40.9'	130°53.7'	S 7°39.6'	68°02.1'	S 22°03.6'	325°41.0'	N 2°47.5'
14	346°15.0'	N 3°41.9'	145°56.2'	S 7°39.5'	83°04.3'	S 22°03.6'	340°41.8'	N 2°48.3'
15	1°15.9'	N 3°43.0'	160°58.7'	S 7°39.5'	98°06.5'	S 22°03.6'	355°42.5'	N 2°49.1'
16	16°16.9'	N 3°44.1'	176°01.1'	S 7°39.5'	113°08.8'	S 22°03.6'	10°43.3'	N 2°49.8'
17	31°17.9'	N 3°45.2'	191°03.6'	S 7°39.5'	128°11.0'	S 22°03.6'	25°44.1'	N 2°50.6'
18	46°18.8'	N 3°46.2'	206°06.1'	S 7°39.5'	143°13.3'	S 22°03.6'	40°44.8'	N 2°51.3'
19	61°19.8'	N 3°47.3'	221°08.5'	S 7°39.5'	158°15.5'	S 22°03.6'	55°45.6'	N 2°52.1'
20	76°20.8'	N 3°48.4'	236°11.0'	S 7°39.5'	173°17.7'	S 22°03.6'	70°46.4'	N 2°52.9'
21	91°21.7'	N 3°49.5'	251°13.5'	S 7°39.5'	188°20.0'	S 22°03.6'	85°47.2'	N 2°53.6'
22	106°22.7'	N 3°50.5'	266°16.0'	S 7°39.4'	203°22.2'	S 22°03.6'	100°47.9'	N 2°54.4'
23	121°23.7'	N 3°51.6'	281°18.4'	S 7°39.4'	218°24.4'	S 22°03.6'	115°48.7'	N 2°55.2'

Wed Feb 8, 2017 UTC

UTC	Venus -4.4 v = 1.0' d = 1.1'		Jupiter -2.0 v = 2.5' d = 0.0'		Saturn +0.6 v = 2.2' d = 0.0'		Mars +1.2 v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	136°24.7'	N 3°52.7'	296°20.9'	S 7°39.4'	233°26.7'	S 22°03.6'	130°49.5'	N 2°55.9'
1	151°25.6'	N 3°53.7'	311°23.4'	S 7°39.4'	248°28.9'	S 22°03.6'	145°50.3'	N 2°56.7'
2	166°26.6'	N 3°54.8'	326°25.9'	S 7°39.4'	263°31.1'	S 22°03.6'	160°51.0'	N 2°57.5'
3	181°27.6'	N 3°55.9'	341°28.3'	S 7°39.4'	278°33.4'	S 22°03.6'	175°51.8'	N 2°58.2'
4	196°28.6'	N 3°56.9'	356°30.8'	S 7°39.3'	293°35.6'	S 22°03.7'	190°52.6'	N 2°59.0'
5	211°29.6'	N 3°58.0'	11°33.3'	S 7°39.3'	308°37.9'	S 22°03.7'	205°53.3'	N 2°59.8'
6	226°30.6'	N 3°59.1'	26°35.7'	S 7°39.3'	323°40.1'	S 22°03.7'	220°54.1'	N 3°00.5'
7	241°31.6'	N 4°00.1'	41°38.2'	S 7°39.3'	338°42.3'	S 22°03.7'	235°54.9'	N 3°01.3'
8	256°32.6'	N 4°01.2'	56°40.7'	S 7°39.3'	353°44.6'	S 22°03.7'	250°55.7'	N 3°02.1'
9	271°33.5'	N 4°02.3'	71°43.2'	S 7°39.3'	8°46.8'	S 22°03.7'	265°56.4'	N 3°02.8'
10	286°34.5'	N 4°03.3'	86°45.6'	S 7°39.3'	23°49.0'	S 22°03.7'	280°57.2'	N 3°03.6'
11	301°35.5'	N 4°04.4'	101°48.1'	S 7°39.2'	38°51.3'	S 22°03.7'	295°58.0'	N 3°04.3'
12	316°36.5'	N 4°05.5'	116°50.6'	S 7°39.2'	53°53.5'	S 22°03.7'	310°58.8'	N 3°05.1'
13	331°37.5'	N 4°06.5'	131°53.1'	S 7°39.2'	68°55.8'	S 22°03.7'	325°59.5'	N 3°05.9'
14	346°38.5'	N 4°07.6'	146°55.6'	S 7°39.2'	83°58.0'	S 22°03.7'	341°00.3'	N 3°06.6'
15	1°39.6'	N 4°08.7'	161°58.0'	S 7°39.2'	99°00.2'	S 22°03.7'	356°01.1'	N 3°07.4'
16	16°40.6'	N 4°09.7'	177°00.5'	S 7°39.2'	114°02.5'	S 22°03.7'	11°01.9'	N 3°08.2'
17	31°41.6'	N 4°10.8'	192°03.0'	S 7°39.1'	129°04.7'	S 22°03.7'	26°02.6'	N 3°08.9'
18	46°42.6'	N 4°11.8'	207°05.5'	S 7°39.1'	144°06.9'	S 22°03.7'	41°03.4'	N 3°09.7'
19	61°43.6'	N 4°12.9'	222°07.9'	S 7°39.1'	159°09.2'	S 22°03.7'	56°04.2'	N 3°10.5'
20	76°44.6'	N 4°14.0'	237°10.4'	S 7°39.1'	174°11.4'	S 22°03.7'	71°04.9'	N 3°11.2'
21	91°45.6'	N 4°15.0'	252°12.9'	S 7°39.1'	189°13.7'	S 22°03.8'	86°05.7'	N 3°12.0'
22	106°46.6'	N 4°16.1'	267°15.4'	S 7°39.1'	204°15.9'	S 22°03.8'	101°06.5'	N 3°12.7'
23	121°47.7'	N 4°17.1'	282°17.9'	S 7°39.0'	219°18.1'	S 22°03.8'	116°07.3'	N 3°13.5'

Thu Feb 9, 2017 UTC

UTC	Venus -4.4 v = 1.0' d = 1.0'		Jupiter -2.1 v = 2.5' d = 0.0'		Saturn +0.6 v = 2.2' d = 0.0'		Mars +1.2 v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	136°48.7'	N 4°18.2'	297°20.3'	S 7°39.0'	234°20.4'	S 22°03.8'	131°08.0'	N 3°14.3'
1	151°49.7'	N 4°19.2'	312°22.8'	S 7°39.0'	249°22.6'	S 22°03.8'	146°08.8'	N 3°15.0'
2	166°50.7'	N 4°20.3'	327°25.3'	S 7°39.0'	264°24.9'	S 22°03.8'	161°09.6'	N 3°15.8'
3	181°51.8'	N 4°21.3'	342°27.8'	S 7°39.0'	279°27.1'	S 22°03.8'	176°10.4'	N 3°16.6'
4	196°52.8'	N 4°22.4'	357°30.3'	S 7°39.0'	294°29.3'	S 22°03.8'	191°11.1'	N 3°17.3'
5	211°53.8'	N 4°23.4'	12°32.8'	S 7°38.9'	309°31.6'	S 22°03.8'	206°11.9'	N 3°18.1'
6	226°54.9'	N 4°24.5'	27°35.2'	S 7°38.9'	324°33.8'	S 22°03.8'	221°12.7'	N 3°18.8'
7	241°55.9'	N 4°25.6'	42°37.7'	S 7°38.9'	339°36.1'	S 22°03.8'	236°13.4'	N 3°19.6'
8	256°56.9'	N 4°26.6'	57°40.2'	S 7°38.9'	354°38.3'	S 22°03.8'	251°14.2'	N 3°20.4'
9	271°58.0'	N 4°27.7'	72°42.7'	S 7°38.9'	9°40.5'	S 22°03.8'	266°15.0'	N 3°21.1'
10	286°59.0'	N 4°28.7'	87°45.2'	S 7°38.8'	24°42.8'	S 22°03.8'	281°15.8'	N 3°21.9'
11	302°00.1'	N 4°29.8'	102°47.6'	S 7°38.8'	39°45.0'	S 22°03.8'	296°16.5'	N 3°22.7'
12	317°01.1'	N 4°30.8'	117°50.1'	S 7°38.8'	54°47.3'	S 22°03.8'	311°17.3'	N 3°23.4'
13	332°02.2'	N 4°31.8'	132°52.6'	S 7°38.8'	69°49.5'	S 22°03.8'	326°18.1'	N 3°24.2'
14	347°03.2'	N 4°32.9'	147°55.1'	S 7°38.8'	84°51.7'	S 22°03.8'	341°18.9'	N 3°24.9'
15	2°04.3'	N 4°33.9'	162°57.6'	S 7°38.8'	99°54.0'	S 22°03.9'	356°19.6'	N 3°25.7'
16	17°05.3'	N 4°35.0'	178°00.1'	S 7°38.7'	114°56.2'	S 22°03.9'	11°20.4'	N 3°26.5'
17	32°06.4'	N 4°36.0'	193°02.6'	S 7°38.7'	129°58.5'	S 22°03.9'	26°21.2'	N 3°27.2'
18	47°07.4'	N 4°37.1'	208°05.0'	S 7°38.7'	145°00.7'	S 22°03.9'	41°22.0'	N 3°28.0'
19	62°08.5'	N 4°38.1'	223°07.5'	S 7°38.7'	160°03.0'	S 22°03.9'	56°22.7'	N 3°28.8'
20	77°09.5'	N 4°39.2'	238°10.0'	S 7°38.7'	175°05.2'	S 22°03.9'	71°23.5'	N 3°29.5'
21	92°10.6'	N 4°40.2'	253°12.5'	S 7°38.6'	190°07.4'	S 22°03.9'	86°24.3'	N 3°30.3'
22	107°11.7'	N 4°41.2'	268°15.0'	S 7°38.6'	205°09.7'	S 22°03.9'	101°25.0'	N 3°31.0'
23	122°12.7'	N 4°42.3'	283°17.5'	S 7°38.6'	220°11.9'	S 22°03.9'	116°25.8'	N 3°31.8'

Fri Feb 10, 2017 UTC

UTC	Venus -4.4 v = 1.1' d = 1.0'		Jupiter -2.1 v = 2.5' d = 0.0'		Saturn +0.6 v = 2.2' d = 0.0'		Mars +1.2 v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	137°13.8'	N 4°43.3'	298°20.0'	S 7°38.6'	235°14.2'	S 22°03.9'	131°26.6'	N 3°32.6'
1	152°14.9'	N 4°44.4'	313°22.5'	S 7°38.6'	250°16.4'	S 22°03.9'	146°27.4'	N 3°33.3'
2	167°15.9'	N 4°45.4'	328°24.9'	S 7°38.5'	265°18.7'	S 22°03.9'	161°28.1'	N 3°34.1'
3	182°17.0'	N 4°46.4'	343°27.4'	S 7°38.5'	280°20.9'	S 22°03.9'	176°28.9'	N 3°34.8'
4	197°18.1'	N 4°47.5'	358°29.9'	S 7°38.5'	295°23.1'	S 22°03.9'	191°29.7'	N 3°35.6'
5	212°19.2'	N 4°48.5'	13°32.4'	S 7°38.5'	310°25.4'	S 22°03.9'	206°30.5'	N 3°36.4'
6	227°20.3'	N 4°49.6'	28°34.9'	S 7°38.4'	325°27.6'	S 22°03.9'	221°31.2'	N 3°37.1'
7	242°21.3'	N 4°50.6'	43°37.4'	S 7°38.4'	340°29.9'	S 22°03.9'	236°32.0'	N 3°37.9'
8	257°22.4'	N 4°51.6'	58°39.9'	S 7°38.4'	355°32.1'	S 22°03.9'	251°32.8'	N 3°38.6'
9	272°23.5'	N 4°52.7'	73°42.4'	S 7°38.4'	10°34.4'	S 22°04.0'	266°33.6'	N 3°39.4'
10	287°24.6'	N 4°53.7'	88°44.9'	S 7°38.4'	25°36.6'	S 22°04.0'	281°34.3'	N 3°40.2'
11	302°25.7'	N 4°54.7'	103°47.3'	S 7°38.3'	40°38.8'	S 22°04.0'	296°35.1'	N 3°40.9'
12	317°26.8'	N 4°55.8'	118°49.8'	S 7°38.3'	55°41.1'	S 22°04.0'	311°35.9'	N 3°41.7'
13	332°27.9'	N 4°56.8'	133°52.3'	S 7°38.3'	70°43.3'	S 22°04.0'	326°36.7'	N 3°42.4'
14	347°29.0'	N 4°57.8'	148°54.8'	S 7°38.3'	85°45.6'	S 22°04.0'	341°37.4'	N 3°43.2'
15	2°30.1'	N 4°58.9'	163°57.3'	S 7°38.3'	100°47.8'	S 22°04.0'	356°38.2'	N 3°44.0'
16	17°31.2'	N 4°59.9'	178°59.8'	S 7°38.2'	115°50.1'	S 22°04.0'	11°39.0'	N 3°44.7'
17	32°32.3'	N 5°00.9'	194°02.3'	S 7°38.2'	130°52.3'	S 22°04.0'	26°39.7'	N 3°45.5'
18	47°33.4'	N 5°01.9'	209°04.8'	S 7°38.2'	145°54.6'	S 22°04.0'	41°40.5'	N 3°46.2'
19	62°34.5'	N 5°03.0'	224°07.3'	S 7°38.2'	160°56.8'	S 22°04.0'	56°41.3'	N 3°47.0'
20	77°35.6'	N 5°04.0'	239°09.8'	S 7°38.1'	175°59.0'	S 22°04.0'	71°42.1'	N 3°47.8'
21	92°36.7'	N 5°05.0'	254°12.3'	S 7°38.1'	191°01.3'	S 22°04.0'	86°42.8'	N 3°48.5'
22	107°37.8'	N 5°06.1'	269°14.8'	S 7°38.1'	206°03.5'	S 22°04.0'	101°43.6'	N 3°49.3'
23	122°38.9'	N 5°07.1'	284°17.3'	S 7°38.1'	221°05.8'	S 22°04.0'	116°44.4'	N 3°50.0'

Sat Feb 11, 2017 UTC

UTC	Venus -4.4		Jupiter -2.1		Saturn +0.6		Mars +1.2	
	v = 1.1' d = 1.0'		v = 2.5' d = 0.0'		v = 2.2' d = 0.0'		v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	137°40.0'	N 5°08.1'	299°19.8'	S 7°38.1'	236°08.0'	S 22°04.0'	131°45.2'	N 3°50.8'
1	152°41.2'	N 5°09.1'	314°22.3'	S 7°38.0'	251°10.3'	S 22°04.0'	146°45.9'	N 3°51.6'
2	167°42.3'	N 5°10.2'	329°24.8'	S 7°38.0'	266°12.5'	S 22°04.0'	161°46.7'	N 3°52.3'
3	182°43.4'	N 5°11.2'	344°27.2'	S 7°38.0'	281°14.8'	S 22°04.0'	176°47.5'	N 3°53.1'
4	197°44.5'	N 5°12.2'	359°29.7'	S 7°38.0'	296°17.0'	S 22°04.1'	191°48.3'	N 3°53.8'
5	212°45.7'	N 5°13.2'	14°32.2'	S 7°37.9'	311°19.3'	S 22°04.1'	206°49.0'	N 3°54.6'
6	227°46.8'	N 5°14.2'	29°34.7'	S 7°37.9'	326°21.5'	S 22°04.1'	221°49.8'	N 3°55.3'
7	242°47.9'	N 5°15.3'	44°37.2'	S 7°37.9'	341°23.7'	S 22°04.1'	236°50.6'	N 3°56.1'
8	257°49.0'	N 5°16.3'	59°39.7'	S 7°37.9'	356°26.0'	S 22°04.1'	251°51.3'	N 3°56.9'
9	272°50.2'	N 5°17.3'	74°42.2'	S 7°37.8'	11°28.2'	S 22°04.1'	266°52.1'	N 3°57.6'
10	287°51.3'	N 5°18.3'	89°44.7'	S 7°37.8'	26°30.5'	S 22°04.1'	281°52.9'	N 3°58.4'
11	302°52.5'	N 5°19.3'	104°47.2'	S 7°37.8'	41°32.7'	S 22°04.1'	296°53.7'	N 3°59.1'
12	317°53.6'	N 5°20.3'	119°49.7'	S 7°37.8'	56°35.0'	S 22°04.1'	311°54.4'	N 3°59.9'
13	332°54.7'	N 5°21.4'	134°52.2'	S 7°37.7'	71°37.2'	S 22°04.1'	326°55.2'	N 4°00.6'
14	347°55.9'	N 5°22.4'	149°54.7'	S 7°37.7'	86°39.5'	S 22°04.1'	341°56.0'	N 4°01.4'
15	2°57.0'	N 5°23.4'	164°57.2'	S 7°37.7'	101°41.7'	S 22°04.1'	356°56.8'	N 4°02.2'
16	17°58.2'	N 5°24.4'	179°59.7'	S 7°37.7'	116°44.0'	S 22°04.1'	11°57.5'	N 4°02.9'
17	32°59.3'	N 5°25.4'	195°02.2'	S 7°37.6'	131°46.2'	S 22°04.1'	26°58.3'	N 4°03.7'
18	48°00.5'	N 5°26.4'	210°04.7'	S 7°37.6'	146°48.5'	S 22°04.1'	41°59.1'	N 4°04.4'
19	63°01.6'	N 5°27.4'	225°07.2'	S 7°37.6'	161°50.7'	S 22°04.1'	56°59.9'	N 4°05.2'
20	78°02.8'	N 5°28.5'	240°09.7'	S 7°37.6'	176°53.0'	S 22°04.1'	72°00.6'	N 4°05.9'
21	93°04.0'	N 5°29.5'	255°12.2'	S 7°37.5'	191°55.2'	S 22°04.1'	87°01.4'	N 4°06.7'
22	108°05.1'	N 5°30.5'	270°14.7'	S 7°37.5'	206°57.5'	S 22°04.1'	102°02.2'	N 4°07.5'
23	123°06.3'	N 5°31.5'	285°17.2'	S 7°37.5'	221°59.7'	S 22°04.1'	117°03.0'	N 4°08.2'

Sun Feb 12, 2017 UTC

UTC	Venus -4.4		Jupiter -2.1		Saturn +0.6		Mars +1.2	
	v = 1.2' d = 1.0'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	138°07.4'	N 5°32.5'	300°19.7'	S 7°37.5'	237°02.0'	S 22°04.2'	132°03.7'	N 4°09.0'
1	153°08.6'	N 5°33.5'	315°22.2'	S 7°37.4'	252°04.2'	S 22°04.2'	147°04.5'	N 4°09.7'
2	168°09.8'	N 5°34.5'	330°24.7'	S 7°37.4'	267°06.5'	S 22°04.2'	162°05.3'	N 4°10.5'
3	183°11.0'	N 5°35.5'	345°27.2'	S 7°37.4'	282°08.7'	S 22°04.2'	177°06.0'	N 4°11.2'
4	198°12.1'	N 5°36.5'	0°29.7'	S 7°37.4'	297°11.0'	S 22°04.2'	192°06.8'	N 4°12.0'
5	213°13.3'	N 5°37.5'	15°32.2'	S 7°37.3'	312°13.2'	S 22°04.2'	207°07.6'	N 4°12.8'
6	228°14.5'	N 5°38.5'	30°34.8'	S 7°37.3'	327°15.4'	S 22°04.2'	222°08.4'	N 4°13.5'
7	243°15.7'	N 5°39.5'	45°37.3'	S 7°37.3'	342°17.7'	S 22°04.2'	237°09.1'	N 4°14.3'
8	258°16.9'	N 5°40.5'	60°39.8'	S 7°37.2'	357°19.9'	S 22°04.2'	252°09.9'	N 4°15.0'
9	273°18.0'	N 5°41.5'	75°42.3'	S 7°37.2'	12°22.2'	S 22°04.2'	267°10.7'	N 4°15.8'
10	288°19.2'	N 5°42.5'	90°44.8'	S 7°37.2'	27°24.4'	S 22°04.2'	282°11.5'	N 4°16.5'
11	303°20.4'	N 5°43.5'	105°47.3'	S 7°37.2'	42°26.7'	S 22°04.2'	297°12.2'	N 4°17.3'
12	318°21.6'	N 5°44.5'	120°49.8'	S 7°37.1'	57°28.9'	S 22°04.2'	312°13.0'	N 4°18.0'
13	333°22.8'	N 5°45.5'	135°52.3'	S 7°37.1'	72°31.2'	S 22°04.2'	327°13.8'	N 4°18.8'
14	348°24.0'	N 5°46.5'	150°54.8'	S 7°37.1'	87°33.4'	S 22°04.2'	342°14.6'	N 4°19.6'
15	3°25.2'	N 5°47.5'	165°57.3'	S 7°37.1'	102°35.7'	S 22°04.2'	357°15.3'	N 4°20.3'
16	18°26.4'	N 5°48.5'	180°59.8'	S 7°37.0'	117°38.0'	S 22°04.2'	12°16.1'	N 4°21.1'
17	33°27.6'	N 5°49.5'	196°02.3'	S 7°37.0'	132°40.2'	S 22°04.2'	27°16.9'	N 4°21.8'
18	48°28.8'	N 5°50.5'	211°04.8'	S 7°37.0'	147°42.5'	S 22°04.2'	42°17.6'	N 4°22.6'
19	63°30.0'	N 5°51.5'	226°07.3'	S 7°36.9'	162°44.7'	S 22°04.2'	57°18.4'	N 4°23.3'
20	78°31.2'	N 5°52.5'	241°09.8'	S 7°36.9'	177°47.0'	S 22°04.3'	72°19.2'	N 4°24.1'
21	93°32.4'	N 5°53.5'	256°12.4'	S 7°36.9'	192°49.2'	S 22°04.3'	87°20.0'	N 4°24.8'
22	108°33.6'	N 5°54.5'	271°14.9'	S 7°36.9'	207°51.5'	S 22°04.3'	102°20.7'	N 4°25.6'
23	123°34.9'	N 5°55.5'	286°17.4'	S 7°36.8'	222°53.7'	S 22°04.3'	117°21.5'	N 4°26.3'

Mon Feb 13, 2017 UTC

UTC	Venus -4.4		Jupiter -2.1		Saturn +0.5		Mars +1.2	
	v = 1.2' d = 1.0'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	138°36.1'	N 5°56.4'	301°19.9'	S 7°36.8'	237°56.0'	S 22°04.3'	132°22.3'	N 4°27.1'
1	153°37.3'	N 5°57.4'	316°22.4'	S 7°36.8'	252°58.2'	S 22°04.3'	147°23.1'	N 4°27.9'
2	168°38.5'	N 5°58.4'	331°24.9'	S 7°36.7'	268°00.5'	S 22°04.3'	162°23.8'	N 4°28.6'
3	183°39.7'	N 5°59.4'	346°27.4'	S 7°36.7'	283°02.7'	S 22°04.3'	177°24.6'	N 4°29.4'
4	198°41.0'	N 6°00.4'	1°29.9'	S 7°36.7'	298°05.0'	S 22°04.3'	192°25.4'	N 4°30.1'
5	213°42.2'	N 6°01.4'	16°32.4'	S 7°36.7'	313°07.2'	S 22°04.3'	207°26.2'	N 4°30.9'
6	228°43.4'	N 6°02.4'	31°34.9'	S 7°36.6'	328°09.5'	S 22°04.3'	222°26.9'	N 4°31.6'
7	243°44.7'	N 6°03.3'	46°37.5'	S 7°36.6'	343°11.7'	S 22°04.3'	237°27.7'	N 4°32.4'
8	258°45.9'	N 6°04.3'	61°40.0'	S 7°36.6'	358°14.0'	S 22°04.3'	252°28.5'	N 4°33.1'
9	273°47.1'	N 6°05.3'	76°42.5'	S 7°36.5'	13°16.2'	S 22°04.3'	267°29.3'	N 4°33.9'
10	288°48.4'	N 6°06.3'	91°45.0'	S 7°36.5'	28°18.5'	S 22°04.3'	282°30.0'	N 4°34.6'
11	303°49.6'	N 6°07.3'	106°47.5'	S 7°36.5'	43°20.7'	S 22°04.3'	297°30.8'	N 4°35.4'
12	318°50.8'	N 6°08.3'	121°50.0'	S 7°36.4'	58°23.0'	S 22°04.3'	312°31.6'	N 4°36.1'
13	333°52.1'	N 6°09.2'	136°52.5'	S 7°36.4'	73°25.2'	S 22°04.3'	327°32.3'	N 4°36.9'
14	348°53.3'	N 6°10.2'	151°55.1'	S 7°36.4'	88°27.5'	S 22°04.3'	342°33.1'	N 4°37.6'
15	3°54.6'	N 6°11.2'	166°57.6'	S 7°36.4'	103°29.8'	S 22°04.3'	357°33.9'	N 4°38.4'
16	18°55.8'	N 6°12.2'	182°00.1'	S 7°36.3'	118°32.0'	S 22°04.3'	12°34.7'	N 4°39.2'
17	33°57.1'	N 6°13.1'	197°02.6'	S 7°36.3'	133°34.3'	S 22°04.3'	27°35.4'	N 4°39.9'
18	48°58.4'	N 6°14.1'	212°05.1'	S 7°36.3'	148°36.5'	S 22°04.4'	42°36.2'	N 4°40.7'
19	63°59.6'	N 6°15.1'	227°07.6'	S 7°36.2'	163°38.8'	S 22°04.4'	57°37.0'	N 4°41.4'
20	79°00.9'	N 6°16.1'	242°10.1'	S 7°36.2'	178°41.0'	S 22°04.4'	72°37.8'	N 4°42.2'
21	94°02.1'	N 6°17.0'	257°12.7'	S 7°36.2'	193°43.3'	S 22°04.4'	87°38.5'	N 4°42.9'
22	109°03.4'	N 6°18.0'	272°15.2'	S 7°36.1'	208°45.5'	S 22°04.4'	102°39.3'	N 4°43.7'
23	124°04.7'	N 6°19.0'	287°17.7'	S 7°36.1'	223°47.8'	S 22°04.4'	117°40.1'	N 4°44.4'

Tue Feb 14, 2017 UTC

UTC	Venus -4.4		Jupiter -2.1		Saturn +0.5		Mars +1.2	
	v = 1.3' d = 1.0'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.8' d = 0.8'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	139°05.9'	N 6°20.0'	302°20.2'	S 7°36.1'	238°50.0'	S 22°04.4'	132°40.9'	N 4°45.2'
1	154°07.2'	N 6°20.9'	317°22.7'	S 7°36.0'	253°52.3'	S 22°04.4'	147°41.6'	N 4°45.9'
2	169°08.5'	N 6°21.9'	332°25.2'	S 7°36.0'	268°54.6'	S 22°04.4'	162°42.4'	N 4°46.7'
3	184°09.8'	N 6°22.9'	347°27.8'	S 7°36.0'	283°56.8'	S 22°04.4'	177°43.2'	N 4°47.4'
4	199°11.0'	N 6°23.8'	2°30.3'	S 7°35.9'	298°59.1'	S 22°04.4'	192°43.9'	N 4°48.2'
5	214°12.3'	N 6°24.8'	17°32.8'	S 7°35.9'	314°01.3'	S 22°04.4'	207°44.7'	N 4°48.9'
6	229°13.6'	N 6°25.8'	32°35.3'	S 7°35.9'	329°03.6'	S 22°04.4'	222°45.5'	N 4°49.7'
7	244°14.9'	N 6°26.7'	47°37.8'	S 7°35.8'	344°05.8'	S 22°04.4'	237°46.3'	N 4°50.4'
8	259°16.2'	N 6°27.7'	62°40.4'	S 7°35.8'	359°08.1'	S 22°04.4'	252°47.0'	N 4°51.2'
9	274°17.5'	N 6°28.7'	77°42.9'	S 7°35.8'	14°10.3'	S 22°04.4'	267°47.8'	N 4°51.9'
10	289°18.8'	N 6°29.6'	92°45.4'	S 7°35.8'	29°12.6'	S 22°04.4'	282°48.6'	N 4°52.7'
11	304°20.1'	N 6°30.6'	107°47.9'	S 7°35.7'	44°14.9'	S 22°04.4'	297°49.4'	N 4°53.4'
12	319°21.4'	N 6°31.5'	122°50.4'	S 7°35.7'	59°17.1'	S 22°04.4'	312°50.1'	N 4°54.2'
13	334°22.7'	N 6°32.5'	137°53.0'	S 7°35.7'	74°19.4'	S 22°04.4'	327°50.9'	N 4°54.9'
14	349°24.0'	N 6°33.5'	152°55.5'	S 7°35.6'	89°21.6'	S 22°04.4'	342°51.7'	N 4°55.7'
15	4°25.3'	N 6°34.4'	167°58.0'	S 7°35.6'	104°23.9'	S 22°04.4'	357°52.5'	N 4°56.4'
16	19°26.6'	N 6°35.4'	183°00.5'	S 7°35.6'	119°26.1'	S 22°04.4'	12°53.2'	N 4°57.2'
17	34°27.9'	N 6°36.3'	198°03.0'	S 7°35.5'	134°28.4'	S 22°04.5'	27°54.0'	N 4°57.9'
18	49°29.2'	N 6°37.3'	213°05.6'	S 7°35.5'	149°30.7'	S 22°04.5'	42°54.8'	N 4°58.7'
19	64°30.5'	N 6°38.2'	228°08.1'	S 7°35.4'	164°32.9'	S 22°04.5'	57°55.5'	N 4°59.4'
20	79°31.8'	N 6°39.2'	243°10.6'	S 7°35.4'	179°35.2'	S 22°04.5'	72°56.3'	N 5°00.2'
21	94°33.1'	N 6°40.1'	258°13.1'	S 7°35.4'	194°37.4'	S 22°04.5'	87°57.1'	N 5°00.9'
22	109°34.5'	N 6°41.1'	273°15.7'	S 7°35.3'	209°39.7'	S 22°04.5'	102°57.9'	N 5°01.7'
23	124°35.8'	N 6°42.0'	288°18.2'	S 7°35.3'	224°42.0'	S 22°04.5'	117°58.6'	N 5°02.4'

Wed Feb 15, 2017 UTC

UTC	Venus -4.5 v = 1.4' d = 0.9'		Jupiter -2.1 v = 2.5' d = 0.0'		Saturn +0.5 v = 2.3' d = 0.0'		Mars +1.2 v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	139°37.1'	N 6°43.0'	303°20.7'	S 7°35.3'	239°44.2'	S 22°04.5'	132°59.4'	N 5°03.2'
1	154°38.4'	N 6°43.9'	318°23.2'	S 7°35.2'	254°46.5'	S 22°04.5'	148°00.2'	N 5°03.9'
2	169°39.8'	N 6°44.9'	333°25.8'	S 7°35.2'	269°48.7'	S 22°04.5'	163°01.0'	N 5°04.7'
3	184°41.1'	N 6°45.8'	348°28.3'	S 7°35.2'	284°51.0'	S 22°04.5'	178°01.7'	N 5°05.4'
4	199°42.4'	N 6°46.8'	3°30.8'	S 7°35.1'	299°53.2'	S 22°04.5'	193°02.5'	N 5°06.2'
5	214°43.8'	N 6°47.7'	18°33.3'	S 7°35.1'	314°55.5'	S 22°04.5'	208°03.3'	N 5°06.9'
6	229°45.1'	N 6°48.7'	33°35.9'	S 7°35.1'	329°57.8'	S 22°04.5'	223°04.0'	N 5°07.7'
7	244°46.5'	N 6°49.6'	48°38.4'	S 7°35.0'	345°00.0'	S 22°04.5'	238°04.8'	N 5°08.4'
8	259°47.8'	N 6°50.6'	63°40.9'	S 7°35.0'	0°02.3'	S 22°04.5'	253°05.6'	N 5°09.2'
9	274°49.1'	N 6°51.5'	78°43.4'	S 7°35.0'	15°04.5'	S 22°04.5'	268°06.4'	N 5°09.9'
10	289°50.5'	N 6°52.4'	93°46.0'	S 7°34.9'	30°06.8'	S 22°04.5'	283°07.1'	N 5°10.7'
11	304°51.8'	N 6°53.4'	108°48.5'	S 7°34.9'	45°09.1'	S 22°04.5'	298°07.9'	N 5°11.4'
12	319°53.2'	N 6°54.3'	123°51.0'	S 7°34.9'	60°11.3'	S 22°04.5'	313°08.7'	N 5°12.2'
13	334°54.6'	N 6°55.3'	138°53.6'	S 7°34.8'	75°13.6'	S 22°04.5'	328°09.5'	N 5°12.9'
14	349°55.9'	N 6°56.2'	153°56.1'	S 7°34.8'	90°15.8'	S 22°04.5'	343°10.2'	N 5°13.7'
15	4°57.3'	N 6°57.1'	168°58.6'	S 7°34.7'	105°18.1'	S 22°04.5'	358°11.0'	N 5°14.4'
16	19°58.6'	N 6°58.1'	184°01.1'	S 7°34.7'	120°20.4'	S 22°04.5'	13°11.8'	N 5°15.2'
17	35°00.0'	N 6°59.0'	199°03.7'	S 7°34.7'	135°22.6'	S 22°04.5'	28°12.6'	N 5°15.9'
18	50°01.4'	N 6°59.9'	214°06.2'	S 7°34.6'	150°24.9'	S 22°04.6'	43°13.3'	N 5°16.6'
19	65°02.7'	N 7°00.9'	229°08.7'	S 7°34.6'	165°27.1'	S 22°04.6'	58°14.1'	N 5°17.4'
20	80°04.1'	N 7°01.8'	244°11.3'	S 7°34.6'	180°29.4'	S 22°04.6'	73°14.9'	N 5°18.1'
21	95°05.5'	N 7°02.7'	259°13.8'	S 7°34.5'	195°31.7'	S 22°04.6'	88°15.6'	N 5°18.9'
22	110°06.9'	N 7°03.7'	274°16.3'	S 7°34.5'	210°33.9'	S 22°04.6'	103°16.4'	N 5°19.6'
23	125°08.2'	N 7°04.6'	289°18.9'	S 7°34.5'	225°36.2'	S 22°04.6'	118°17.2'	N 5°20.4'

Thu Feb 16, 2017 UTC

UTC	Venus -4.5 v = 1.4' d = 0.9'		Jupiter -2.1 v = 2.5' d = 0.0'		Saturn +0.5 v = 2.3' d = 0.0'		Mars +1.2 v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	140°09.6'	N 7°05.5'	304°21.4'	S 7°34.4'	240°38.4'	S 22°04.6'	133°18.0'	N 5°21.1'
1	155°11.0'	N 7°06.5'	319°23.9'	S 7°34.4'	255°40.7'	S 22°04.6'	148°18.7'	N 5°21.9'
2	170°12.4'	N 7°07.4'	334°26.5'	S 7°34.3'	270°43.0'	S 22°04.6'	163°19.5'	N 5°22.6'
3	185°13.8'	N 7°08.3'	349°29.0'	S 7°34.3'	285°45.2'	S 22°04.6'	178°20.3'	N 5°23.4'
4	200°15.2'	N 7°09.2'	4°31.5'	S 7°34.3'	300°47.5'	S 22°04.6'	193°21.1'	N 5°24.1'
5	215°16.6'	N 7°10.2'	19°34.1'	S 7°34.2'	315°49.8'	S 22°04.6'	208°21.8'	N 5°24.9'
6	230°18.0'	N 7°11.1'	34°36.6'	S 7°34.2'	330°52.0'	S 22°04.6'	223°22.6'	N 5°25.6'
7	245°19.4'	N 7°12.0'	49°39.1'	S 7°34.2'	345°54.3'	S 22°04.6'	238°23.4'	N 5°26.4'
8	260°20.8'	N 7°12.9'	64°41.7'	S 7°34.1'	0°56.5'	S 22°04.6'	253°24.1'	N 5°27.1'
9	275°22.2'	N 7°13.9'	79°44.2'	S 7°34.1'	15°58.8'	S 22°04.6'	268°24.9'	N 5°27.8'
10	290°23.6'	N 7°14.8'	94°46.7'	S 7°34.0'	31°01.1'	S 22°04.6'	283°25.7'	N 5°28.6'
11	305°25.0'	N 7°15.7'	109°49.3'	S 7°34.0'	46°03.3'	S 22°04.6'	298°26.5'	N 5°29.3'
12	320°26.4'	N 7°16.6'	124°51.8'	S 7°34.0'	61°05.6'	S 22°04.6'	313°27.2'	N 5°30.1'
13	335°27.8'	N 7°17.5'	139°54.3'	S 7°33.9'	76°07.9'	S 22°04.6'	328°28.0'	N 5°30.8'
14	350°29.2'	N 7°18.4'	154°56.9'	S 7°33.9'	91°10.1'	S 22°04.6'	343°28.8'	N 5°31.6'
15	5°30.7'	N 7°19.4'	169°59.4'	S 7°33.8'	106°12.4'	S 22°04.6'	358°29.5'	N 5°32.3'
16	20°32.1'	N 7°20.3'	185°01.9'	S 7°33.8'	121°14.7'	S 22°04.6'	13°30.3'	N 5°33.1'
17	35°33.5'	N 7°21.2'	200°04.5'	S 7°33.8'	136°16.9'	S 22°04.6'	28°31.1'	N 5°33.8'
18	50°34.9'	N 7°22.1'	215°07.0'	S 7°33.7'	151°19.2'	S 22°04.6'	43°31.9'	N 5°34.5'
19	65°36.4'	N 7°23.0'	230°09.6'	S 7°33.7'	166°21.4'	S 22°04.6'	58°32.6'	N 5°35.3'
20	80°37.8'	N 7°23.9'	245°12.1'	S 7°33.6'	181°23.7'	S 22°04.7'	73°33.4'	N 5°36.0'
21	95°39.2'	N 7°24.8'	260°14.6'	S 7°33.6'	196°26.0'	S 22°04.7'	88°34.2'	N 5°36.8'
22	110°40.7'	N 7°25.7'	275°17.2'	S 7°33.6'	211°28.2'	S 22°04.7'	103°35.0'	N 5°37.5'
23	125°42.1'	N 7°26.6'	290°19.7'	S 7°33.5'	226°30.5'	S 22°04.7'	118°35.7'	N 5°38.3'



Fri Feb 17, 2017 UTC

UTC	Venus -4.5		Jupiter -2.1		Saturn +0.5		Mars +1.2	
	v = 1.5' d = 0.9'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	140°43.5'	N 7°27.6'	305°22.3'	S 7°33.5'	241°32.8'	S 22°04.7'	133°36.5'	N 5°39.0'
1	155°45.0'	N 7°28.5'	320°24.8'	S 7°33.4'	256°35.0'	S 22°04.7'	148°37.3'	N 5°39.8'
2	170°46.4'	N 7°29.4'	335°27.3'	S 7°33.4'	271°37.3'	S 22°04.7'	163°38.0'	N 5°40.5'
3	185°47.9'	N 7°30.3'	350°29.9'	S 7°33.4'	286°39.6'	S 22°04.7'	178°38.8'	N 5°41.2'
4	200°49.3'	N 7°31.2'	5°32.4'	S 7°33.3'	301°41.8'	S 22°04.7'	193°39.6'	N 5°42.0'
5	215°50.8'	N 7°32.1'	20°35.0'	S 7°33.3'	316°44.1'	S 22°04.7'	208°40.4'	N 5°42.7'
6	230°52.2'	N 7°33.0'	35°37.5'	S 7°33.2'	331°46.4'	S 22°04.7'	223°41.1'	N 5°43.5'
7	245°53.7'	N 7°33.9'	50°40.0'	S 7°33.2'	346°48.6'	S 22°04.7'	238°41.9'	N 5°44.2'
8	260°55.2'	N 7°34.8'	65°42.6'	S 7°33.2'	1°50.9'	S 22°04.7'	253°42.7'	N 5°45.0'
9	275°56.6'	N 7°35.7'	80°45.1'	S 7°33.1'	16°53.2'	S 22°04.7'	268°43.5'	N 5°45.7'
10	290°58.1'	N 7°36.6'	95°47.7'	S 7°33.1'	31°55.4'	S 22°04.7'	283°44.2'	N 5°46.4'
11	305°59.6'	N 7°37.5'	110°50.2'	S 7°33.0'	46°57.7'	S 22°04.7'	298°45.0'	N 5°47.2'
12	321°01.0'	N 7°38.4'	125°52.7'	S 7°33.0'	61°60.0'	S 22°04.7'	313°45.8'	N 5°47.9'
13	336°02.5'	N 7°39.3'	140°55.3'	S 7°33.0'	77°02.2'	S 22°04.7'	328°46.5'	N 5°48.7'
14	351°04.0'	N 7°40.1'	155°57.8'	S 7°32.9'	92°04.5'	S 22°04.7'	343°47.3'	N 5°49.4'
15	6°05.5'	N 7°41.0'	171°00.4'	S 7°32.9'	107°06.8'	S 22°04.7'	358°48.1'	N 5°50.2'
16	21°06.9'	N 7°41.9'	186°02.9'	S 7°32.8'	122°09.0'	S 22°04.7'	13°48.9'	N 5°50.9'
17	36°08.4'	N 7°42.8'	201°05.5'	S 7°32.8'	137°11.3'	S 22°04.7'	28°49.6'	N 5°51.6'
18	51°09.9'	N 7°43.7'	216°08.0'	S 7°32.7'	152°13.6'	S 22°04.7'	43°50.4'	N 5°52.4'
19	66°11.4'	N 7°44.6'	231°10.6'	S 7°32.7'	167°15.8'	S 22°04.7'	58°51.2'	N 5°53.1'
20	81°12.9'	N 7°45.5'	246°13.1'	S 7°32.7'	182°18.1'	S 22°04.7'	73°51.9'	N 5°53.9'
21	96°14.4'	N 7°46.4'	261°15.6'	S 7°32.6'	197°20.4'	S 22°04.7'	88°52.7'	N 5°54.6'
22	111°15.9'	N 7°47.3'	276°18.2'	S 7°32.6'	212°22.6'	S 22°04.7'	103°53.5'	N 5°55.3'
23	126°17.4'	N 7°48.1'	291°20.7'	S 7°32.5'	227°24.9'	S 22°04.7'	118°54.3'	N 5°56.1'

Sat Feb 18, 2017 UTC

UTC	Venus -4.5		Jupiter -2.1		Saturn +0.5		Mars +1.2	
	v = 1.5' d = 0.9'		v = 2.6' d = 0.0'		v = 2.3' d = 0.0'		v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	141°18.9'	N 7°49.0'	306°23.3'	S 7°32.5'	242°27.2'	S 22°04.8'	133°55.0'	N 5°56.8'
1	156°20.4'	N 7°49.9'	321°25.8'	S 7°32.4'	257°29.4'	S 22°04.8'	148°55.8'	N 5°57.6'
2	171°21.9'	N 7°50.8'	336°28.4'	S 7°32.4'	272°31.7'	S 22°04.8'	163°56.6'	N 5°58.3'
3	186°23.4'	N 7°51.7'	351°30.9'	S 7°32.4'	287°34.0'	S 22°04.8'	178°57.3'	N 5°59.0'
4	201°24.9'	N 7°52.5'	6°33.5'	S 7°32.3'	302°36.2'	S 22°04.8'	193°58.1'	N 5°59.8'
5	216°26.4'	N 7°53.4'	21°36.0'	S 7°32.3'	317°38.5'	S 22°04.8'	208°58.9'	N 6°00.5'
6	231°27.9'	N 7°54.3'	36°38.6'	S 7°32.2'	332°40.8'	S 22°04.8'	223°59.7'	N 6°01.3'
7	246°29.5'	N 7°55.2'	51°41.1'	S 7°32.2'	347°43.1'	S 22°04.8'	239°00.4'	N 6°02.0'
8	261°31.0'	N 7°56.0'	66°43.7'	S 7°32.1'	2°45.3'	S 22°04.8'	254°01.2'	N 6°02.8'
9	276°32.5'	N 7°56.9'	81°46.2'	S 7°32.1'	17°47.6'	S 22°04.8'	269°02.0'	N 6°03.5'
10	291°34.0'	N 7°57.8'	96°48.8'	S 7°32.1'	32°49.9'	S 22°04.8'	284°02.7'	N 6°04.2'
11	306°35.6'	N 7°58.7'	111°51.3'	S 7°32.0'	47°52.1'	S 22°04.8'	299°03.5'	N 6°05.0'
12	321°37.1'	N 7°59.5'	126°53.9'	S 7°32.0'	62°54.4'	S 22°04.8'	314°04.3'	N 6°05.7'
13	336°38.6'	N 8°00.4'	141°56.4'	S 7°31.9'	77°56.7'	S 22°04.8'	329°05.1'	N 6°06.4'
14	351°40.2'	N 8°01.3'	156°59.0'	S 7°31.9'	92°58.9'	S 22°04.8'	344°05.8'	N 6°07.2'
15	6°41.7'	N 8°02.1'	172°01.5'	S 7°31.8'	108°01.2'	S 22°04.8'	359°06.6'	N 6°07.9'
16	21°43.3'	N 8°03.0'	187°04.1'	S 7°31.8'	123°03.5'	S 22°04.8'	14°07.4'	N 6°08.7'
17	36°44.8'	N 8°03.9'	202°06.6'	S 7°31.7'	138°05.8'	S 22°04.8'	29°08.1'	N 6°09.4'
18	51°46.4'	N 8°04.7'	217°09.2'	S 7°31.7'	153°08.0'	S 22°04.8'	44°08.9'	N 6°10.1'
19	66°47.9'	N 8°05.6'	232°11.7'	S 7°31.7'	168°10.3'	S 22°04.8'	59°09.7'	N 6°10.9'
20	81°49.5'	N 8°06.5'	247°14.3'	S 7°31.6'	183°12.6'	S 22°04.8'	74°10.5'	N 6°11.6'
21	96°51.0'	N 8°07.3'	262°16.8'	S 7°31.6'	198°14.8'	S 22°04.8'	89°11.2'	N 6°12.4'
22	111°52.6'	N 8°08.2'	277°19.4'	S 7°31.5'	213°17.1'	S 22°04.8'	104°12.0'	N 6°13.1'
23	126°54.2'	N 8°09.0'	292°21.9'	S 7°31.5'	228°19.4'	S 22°04.8'	119°12.8'	N 6°13.8'

Sun Feb 19, 2017 UTC

UTC	Venus -4.5 v = 1.6' d = 0.8'		Jupiter -2.1 v = 2.6' d = 0.0'		Saturn +0.5 v = 2.3' d = 0.0'		Mars +1.2 v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	141°55.7'	N 8°09.9'	307°24.5'	S 7°31.4'	243°21.7'	S 22°04.8'	134°13.5'	N 6°14.6'
1	156°57.3'	N 8°10.8'	322°27.0'	S 7°31.4'	258°23.9'	S 22°04.8'	149°14.3'	N 6°15.3'
2	171°58.9'	N 8°11.6'	337°29.6'	S 7°31.3'	273°26.2'	S 22°04.8'	164°15.1'	N 6°16.1'
3	187°00.4'	N 8°12.5'	352°32.2'	S 7°31.3'	288°28.5'	S 22°04.8'	179°15.9'	N 6°16.8'
4	202°02.0'	N 8°13.3'	7°34.7'	S 7°31.2'	303°30.7'	S 22°04.8'	194°16.6'	N 6°17.5'
5	217°03.6'	N 8°14.2'	22°37.3'	S 7°31.2'	318°33.0'	S 22°04.8'	209°17.4'	N 6°18.3'
6	232°05.2'	N 8°15.0'	37°39.8'	S 7°31.1'	333°35.3'	S 22°04.8'	224°18.2'	N 6°19.0'
7	247°06.8'	N 8°15.9'	52°42.4'	S 7°31.1'	348°37.6'	S 22°04.9'	239°18.9'	N 6°19.7'
8	262°08.3'	N 8°16.7'	67°44.9'	S 7°31.1'	3°39.8'	S 22°04.9'	254°19.7'	N 6°20.5'
9	277°09.9'	N 8°17.6'	82°47.5'	S 7°31.0'	18°42.1'	S 22°04.9'	269°20.5'	N 6°21.2'
10	292°11.5'	N 8°18.4'	97°50.0'	S 7°31.0'	33°44.4'	S 22°04.9'	284°21.3'	N 6°21.9'
11	307°13.1'	N 8°19.3'	112°52.6'	S 7°30.9'	48°46.7'	S 22°04.9'	299°22.0'	N 6°22.7'
12	322°14.7'	N 8°20.1'	127°55.2'	S 7°30.9'	63°48.9'	S 22°04.9'	314°22.8'	N 6°23.4'
13	337°16.3'	N 8°21.0'	142°57.7'	S 7°30.8'	78°51.2'	S 22°04.9'	329°23.6'	N 6°24.2'
14	352°17.9'	N 8°21.8'	158°00.3'	S 7°30.8'	93°53.5'	S 22°04.9'	344°24.3'	N 6°24.9'
15	7°19.5'	N 8°22.6'	173°02.8'	S 7°30.7'	108°55.8'	S 22°04.9'	359°25.1'	N 6°25.6'
16	22°21.1'	N 8°23.5'	188°05.4'	S 7°30.7'	123°58.0'	S 22°04.9'	14°25.9'	N 6°26.4'
17	37°22.7'	N 8°24.3'	203°07.9'	S 7°30.6'	139°00.3'	S 22°04.9'	29°26.7'	N 6°27.1'
18	52°24.4'	N 8°25.2'	218°10.5'	S 7°30.6'	154°02.6'	S 22°04.9'	44°27.4'	N 6°27.8'
19	67°26.0'	N 8°26.0'	233°13.1'	S 7°30.5'	169°04.9'	S 22°04.9'	59°28.2'	N 6°28.6'
20	82°27.6'	N 8°26.8'	248°15.6'	S 7°30.5'	184°07.1'	S 22°04.9'	74°29.0'	N 6°29.3'
21	97°29.2'	N 8°27.7'	263°18.2'	S 7°30.4'	199°09.4'	S 22°04.9'	89°29.7'	N 6°30.0'
22	112°30.8'	N 8°28.5'	278°20.7'	S 7°30.4'	214°11.7'	S 22°04.9'	104°30.5'	N 6°30.8'
23	127°32.5'	N 8°29.3'	293°23.3'	S 7°30.3'	229°14.0'	S 22°04.9'	119°31.3'	N 6°31.5'

Mon Feb 20, 2017 UTC

UTC	Venus -4.4 v = 1.7' d = 0.8'		Jupiter -2.1 v = 2.6' d = 0.0'		Saturn +0.5 v = 2.3' d = 0.0'		Mars +1.3 v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	142°34.1'	N 8°30.2'	308°25.9'	S 7°30.3'	244°16.2'	S 22°04.9'	134°32.0'	N 6°32.3'
1	157°35.7'	N 8°31.0'	323°28.4'	S 7°30.2'	259°18.5'	S 22°04.9'	149°32.8'	N 6°33.0'
2	172°37.4'	N 8°31.8'	338°31.0'	S 7°30.2'	274°20.8'	S 22°04.9'	164°33.6'	N 6°33.7'
3	187°39.0'	N 8°32.6'	353°33.6'	S 7°30.1'	289°23.1'	S 22°04.9'	179°34.4'	N 6°34.5'
4	202°40.7'	N 8°33.5'	8°36.1'	S 7°30.1'	304°25.3'	S 22°04.9'	194°35.1'	N 6°35.2'
5	217°42.3'	N 8°34.3'	23°38.7'	S 7°30.0'	319°27.6'	S 22°04.9'	209°35.9'	N 6°35.9'
6	232°44.0'	N 8°35.1'	38°41.2'	S 7°30.0'	334°29.9'	S 22°04.9'	224°36.7'	N 6°36.7'
7	247°45.6'	N 8°36.0'	53°43.8'	S 7°30.0'	349°32.2'	S 22°04.9'	239°37.4'	N 6°37.4'
8	262°47.3'	N 8°36.8'	68°46.4'	S 7°29.9'	4°34.4'	S 22°04.9'	254°38.2'	N 6°38.1'
9	277°48.9'	N 8°37.6'	83°48.9'	S 7°29.9'	19°36.7'	S 22°04.9'	269°39.0'	N 6°38.9'
10	292°50.6'	N 8°38.4'	98°51.5'	S 7°29.8'	34°39.0'	S 22°04.9'	284°39.8'	N 6°39.6'
11	307°52.2'	N 8°39.2'	113°54.1'	S 7°29.8'	49°41.3'	S 22°04.9'	299°40.5'	N 6°40.3'
12	322°53.9'	N 8°40.1'	128°56.6'	S 7°29.7'	64°43.5'	S 22°04.9'	314°41.3'	N 6°41.1'
13	337°55.6'	N 8°40.9'	143°59.2'	S 7°29.7'	79°45.8'	S 22°04.9'	329°42.1'	N 6°41.8'
14	352°57.2'	N 8°41.7'	159°01.8'	S 7°29.6'	94°48.1'	S 22°04.9'	344°42.8'	N 6°42.5'
15	7°58.9'	N 8°42.5'	174°04.3'	S 7°29.6'	109°50.4'	S 22°04.9'	359°43.6'	N 6°43.3'
16	23°00.6'	N 8°43.3'	189°06.9'	S 7°29.5'	124°52.7'	S 22°04.9'	14°44.4'	N 6°44.0'
17	38°02.3'	N 8°44.1'	204°09.4'	S 7°29.5'	139°54.9'	S 22°05.0'	29°45.1'	N 6°44.7'
18	53°03.9'	N 8°44.9'	219°12.0'	S 7°29.4'	154°57.2'	S 22°05.0'	44°45.9'	N 6°45.5'
19	68°05.6'	N 8°45.7'	234°14.6'	S 7°29.4'	169°59.5'	S 22°05.0'	59°46.7'	N 6°46.2'
20	83°07.3'	N 8°46.6'	249°17.1'	S 7°29.3'	185°01.8'	S 22°05.0'	74°47.5'	N 6°46.9'
21	98°09.0'	N 8°47.4'	264°19.7'	S 7°29.3'	200°04.0'	S 22°05.0'	89°48.2'	N 6°47.7'
22	113°10.7'	N 8°48.2'	279°22.3'	S 7°29.2'	215°06.3'	S 22°05.0'	104°49.0'	N 6°48.4'
23	128°12.4'	N 8°49.0'	294°24.9'	S 7°29.1'	230°08.6'	S 22°05.0'	119°49.8'	N 6°49.1'

Tue Feb 21, 2017 UTC

UTC	Venus -4.4		Jupiter -2.1		Saturn +0.5		Mars +1.3	
	v = 1.7' d = 0.8'		v = 2.6' d = 0.1'		v = 2.3' d = 0.0'		v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	143°14.1'	N 8°49.8'	309°27.4'	S 7°29.1'	245°10.9'	S 22°05.0'	134°50.5'	N 6°49.9'
1	158°15.8'	N 8°50.6'	324°30.0'	S 7°29.0'	260°13.2'	S 22°05.0'	149°51.3'	N 6°50.6'
2	173°17.5'	N 8°51.4'	339°32.6'	S 7°29.0'	275°15.4'	S 22°05.0'	164°52.1'	N 6°51.3'
3	188°19.2'	N 8°52.2'	354°35.1'	S 7°28.9'	290°17.7'	S 22°05.0'	179°52.8'	N 6°52.0'
4	203°20.9'	N 8°53.0'	9°37.7'	S 7°28.9'	305°20.0'	S 22°05.0'	194°53.6'	N 6°52.8'
5	218°22.6'	N 8°53.8'	24°40.3'	S 7°28.8'	320°22.3'	S 22°05.0'	209°54.4'	N 6°53.5'
6	233°24.3'	N 8°54.6'	39°42.8'	S 7°28.8'	335°24.6'	S 22°05.0'	224°55.1'	N 6°54.2'
7	248°26.1'	N 8°55.4'	54°45.4'	S 7°28.7'	350°26.8'	S 22°05.0'	239°55.9'	N 6°55.0'
8	263°27.8'	N 8°56.2'	69°48.0'	S 7°28.7'	5°29.1'	S 22°05.0'	254°56.7'	N 6°55.7'
9	278°29.5'	N 8°57.0'	84°50.5'	S 7°28.6'	20°31.4'	S 22°05.0'	269°57.5'	N 6°56.4'
10	293°31.2'	N 8°57.8'	99°53.1'	S 7°28.6'	35°33.7'	S 22°05.0'	284°58.2'	N 6°57.2'
11	308°33.0'	N 8°58.5'	114°55.7'	S 7°28.5'	50°36.0'	S 22°05.0'	299°59.0'	N 6°57.9'
12	323°34.7'	N 8°59.3'	129°58.3'	S 7°28.5'	65°38.2'	S 22°05.0'	314°59.8'	N 6°58.6'
13	338°36.4'	N 9°00.1'	145°00.8'	S 7°28.4'	80°40.5'	S 22°05.0'	330°00.5'	N 6°59.4'
14	353°38.2'	N 9°00.9'	160°03.4'	S 7°28.4'	95°42.8'	S 22°05.0'	345°01.3'	N 7°00.1'
15	8°39.9'	N 9°01.7'	175°06.0'	S 7°28.3'	110°45.1'	S 22°05.0'	0°02.1'	N 7°00.8'
16	23°41.7'	N 9°02.5'	190°08.5'	S 7°28.3'	125°47.4'	S 22°05.0'	15°02.8'	N 7°01.5'
17	38°43.4'	N 9°03.3'	205°11.1'	S 7°28.2'	140°49.6'	S 22°05.0'	30°03.6'	N 7°02.3'
18	53°45.2'	N 9°04.0'	220°13.7'	S 7°28.2'	155°51.9'	S 22°05.0'	45°04.4'	N 7°03.0'
19	68°46.9'	N 9°04.8'	235°16.3'	S 7°28.1'	170°54.2'	S 22°05.0'	60°05.2'	N 7°03.7'
20	83°48.7'	N 9°05.6'	250°18.8'	S 7°28.1'	185°56.5'	S 22°05.0'	75°05.9'	N 7°04.5'
21	98°50.4'	N 9°06.4'	265°21.4'	S 7°28.0'	200°58.8'	S 22°05.0'	90°06.7'	N 7°05.2'
22	113°52.2'	N 9°07.2'	280°24.0'	S 7°27.9'	216°01.1'	S 22°05.0'	105°07.5'	N 7°05.9'
23	128°54.0'	N 9°07.9'	295°26.6'	S 7°27.9'	231°03.3'	S 22°05.0'	120°08.2'	N 7°06.7'

Wed Feb 22, 2017 UTC

UTC	Venus -4.4		Jupiter -2.1		Saturn +0.5		Mars +1.3	
	v = 1.8' d = 0.8'		v = 2.6' d = 0.1'		v = 2.3' d = 0.0'		v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	143°55.7'	N 9°08.7'	310°29.1'	S 7°27.8'	246°05.6'	S 22°05.0'	135°09.0'	N 7°07.4'
1	158°57.5'	N 9°09.5'	325°31.7'	S 7°27.8'	261°07.9'	S 22°05.0'	150°09.8'	N 7°08.1'
2	173°59.3'	N 9°10.3'	340°34.3'	S 7°27.7'	276°10.2'	S 22°05.0'	165°10.5'	N 7°08.8'
3	189°01.0'	N 9°11.0'	355°36.9'	S 7°27.7'	291°12.5'	S 22°05.0'	180°11.3'	N 7°09.6'
4	204°02.8'	N 9°11.8'	10°39.4'	S 7°27.6'	306°14.7'	S 22°05.0'	195°12.1'	N 7°10.3'
5	219°04.6'	N 9°12.6'	25°42.0'	S 7°27.6'	321°17.0'	S 22°05.0'	210°12.8'	N 7°11.0'
6	234°06.4'	N 9°13.3'	40°44.6'	S 7°27.5'	336°19.3'	S 22°05.0'	225°13.6'	N 7°11.7'
7	249°08.2'	N 9°14.1'	55°47.2'	S 7°27.5'	351°21.6'	S 22°05.1'	240°14.4'	N 7°12.5'
8	264°10.0'	N 9°14.9'	70°49.8'	S 7°27.4'	6°23.9'	S 22°05.1'	255°15.1'	N 7°13.2'
9	279°11.8'	N 9°15.6'	85°52.3'	S 7°27.3'	21°26.2'	S 22°05.1'	270°15.9'	N 7°13.9'
10	294°13.6'	N 9°16.4'	100°54.9'	S 7°27.3'	36°28.4'	S 22°05.1'	285°16.7'	N 7°14.7'
11	309°15.4'	N 9°17.1'	115°57.5'	S 7°27.2'	51°30.7'	S 22°05.1'	300°17.5'	N 7°15.4'
12	324°17.2'	N 9°17.9'	131°00.1'	S 7°27.2'	66°33.0'	S 22°05.1'	315°18.2'	N 7°16.1'
13	339°19.0'	N 9°18.7'	146°02.6'	S 7°27.1'	81°35.3'	S 22°05.1'	330°19.0'	N 7°16.8'
14	354°20.8'	N 9°19.4'	161°05.2'	S 7°27.1'	96°37.6'	S 22°05.1'	345°19.8'	N 7°17.6'
15	9°22.6'	N 9°20.2'	176°07.8'	S 7°27.0'	111°39.9'	S 22°05.1'	0°20.5'	N 7°18.3'
16	24°24.4'	N 9°20.9'	191°10.4'	S 7°27.0'	126°42.2'	S 22°05.1'	15°21.3'	N 7°19.0'
17	39°26.2'	N 9°21.7'	206°13.0'	S 7°26.9'	141°44.4'	S 22°05.1'	30°22.1'	N 7°19.7'
18	54°28.1'	N 9°22.4'	221°15.5'	S 7°26.8'	156°46.7'	S 22°05.1'	45°22.8'	N 7°20.5'
19	69°29.9'	N 9°23.2'	236°18.1'	S 7°26.8'	171°49.0'	S 22°05.1'	60°23.6'	N 7°21.2'
20	84°31.7'	N 9°23.9'	251°20.7'	S 7°26.7'	186°51.3'	S 22°05.1'	75°24.4'	N 7°21.9'
21	99°33.6'	N 9°24.7'	266°23.3'	S 7°26.7'	201°53.6'	S 22°05.1'	90°25.1'	N 7°22.7'
22	114°35.4'	N 9°25.4'	281°25.9'	S 7°26.6'	216°55.9'	S 22°05.1'	105°25.9'	N 7°23.4'
23	129°37.2'	N 9°26.2'	296°28.5'	S 7°26.6'	231°58.2'	S 22°05.1'	120°26.7'	N 7°24.1'

Thu Feb 23, 2017 UTC

UTC	Venus -4.4		Jupiter -2.1		Saturn +0.5		Mars +1.3	
	v = 1.9' d = 0.7'		v = 2.6' d = 0.1'		v = 2.3' d = 0.0'		v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	144°39.1'	N 9°26.9'	311°31.0'	S 7°26.5'	247°00.4'	S 22°05.1'	135°27.4'	N 7°24.8'
1	159°40.9'	N 9°27.7'	326°33.6'	S 7°26.5'	262°02.7'	S 22°05.1'	150°28.2'	N 7°25.6'
2	174°42.8'	N 9°28.4'	341°36.2'	S 7°26.4'	277°05.0'	S 22°05.1'	165°29.0'	N 7°26.3'
3	189°44.6'	N 9°29.1'	356°38.8'	S 7°26.3'	292°07.3'	S 22°05.1'	180°29.7'	N 7°27.0'
4	204°46.5'	N 9°29.9'	11°41.4'	S 7°26.3'	307°09.6'	S 22°05.1'	195°30.5'	N 7°27.7'
5	219°48.3'	N 9°30.6'	26°44.0'	S 7°26.2'	322°11.9'	S 22°05.1'	210°31.3'	N 7°28.5'
6	234°50.2'	N 9°31.4'	41°46.5'	S 7°26.2'	337°14.2'	S 22°05.1'	225°32.0'	N 7°29.2'
7	249°52.0'	N 9°32.1'	56°49.1'	S 7°26.1'	352°16.4'	S 22°05.1'	240°32.8'	N 7°29.9'
8	264°53.9'	N 9°32.8'	71°51.7'	S 7°26.1'	7°18.7'	S 22°05.1'	255°33.6'	N 7°30.6'
9	279°55.8'	N 9°33.6'	86°54.3'	S 7°26.0'	22°21.0'	S 22°05.1'	270°34.4'	N 7°31.4'
10	294°57.6'	N 9°34.3'	101°56.9'	S 7°25.9'	37°23.3'	S 22°05.1'	285°35.1'	N 7°32.1'
11	309°59.5'	N 9°35.0'	116°59.5'	S 7°25.9'	52°25.6'	S 22°05.1'	300°35.9'	N 7°32.8'
12	325°01.4'	N 9°35.7'	132°02.0'	S 7°25.8'	67°27.9'	S 22°05.1'	315°36.7'	N 7°33.5'
13	340°03.3'	N 9°36.5'	147°04.6'	S 7°25.8'	82°30.2'	S 22°05.1'	330°37.4'	N 7°34.2'
14	355°05.2'	N 9°37.2'	162°07.2'	S 7°25.7'	97°32.5'	S 22°05.1'	345°38.2'	N 7°35.0'
15	10°07.1'	N 9°37.9'	177°09.8'	S 7°25.7'	112°34.7'	S 22°05.1'	0°39.0'	N 7°35.7'
16	25°08.9'	N 9°38.6'	192°12.4'	S 7°25.6'	127°37.0'	S 22°05.1'	15°39.7'	N 7°36.4'
17	40°10.8'	N 9°39.4'	207°15.0'	S 7°25.5'	142°39.3'	S 22°05.1'	30°40.5'	N 7°37.1'
18	55°12.7'	N 9°40.1'	222°17.6'	S 7°25.5'	157°41.6'	S 22°05.1'	45°41.3'	N 7°37.9'
19	70°14.6'	N 9°40.8'	237°20.2'	S 7°25.4'	172°43.9'	S 22°05.1'	60°42.0'	N 7°38.6'
20	85°16.5'	N 9°41.5'	252°22.7'	S 7°25.4'	187°46.2'	S 22°05.1'	75°42.8'	N 7°39.3'
21	100°18.4'	N 9°42.2'	267°25.3'	S 7°25.3'	202°48.5'	S 22°05.1'	90°43.6'	N 7°40.0'
22	115°20.3'	N 9°43.0'	282°27.9'	S 7°25.2'	217°50.8'	S 22°05.1'	105°44.3'	N 7°40.8'
23	130°22.3'	N 9°43.7'	297°30.5'	S 7°25.2'	232°53.1'	S 22°05.1'	120°45.1'	N 7°41.5'

Fri Feb 24, 2017 UTC

UTC	Venus -4.4		Jupiter -2.1		Saturn +0.5		Mars +1.3	
	v = 2.0' d = 0.7'		v = 2.6' d = 0.1'		v = 2.3' d = 0.0'		v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	145°24.2'	N 9°44.4'	312°33.1'	S 7°25.1'	247°55.4'	S 22°05.1'	135°45.9'	N 7°42.2'
1	160°26.1'	N 9°45.1'	327°35.7'	S 7°25.1'	262°57.6'	S 22°05.1'	150°46.6'	N 7°42.9'
2	175°28.0'	N 9°45.8'	342°38.3'	S 7°25.0'	277°59.9'	S 22°05.1'	165°47.4'	N 7°43.6'
3	190°29.9'	N 9°46.5'	357°40.9'	S 7°24.9'	293°02.2'	S 22°05.2'	180°48.2'	N 7°44.4'
4	205°31.9'	N 9°47.2'	12°43.5'	S 7°24.9'	308°04.5'	S 22°05.2'	195°48.9'	N 7°45.1'
5	220°33.8'	N 9°47.9'	27°46.0'	S 7°24.8'	323°06.8'	S 22°05.2'	210°49.7'	N 7°45.8'
6	235°35.7'	N 9°48.6'	42°48.6'	S 7°24.8'	338°09.1'	S 22°05.2'	225°50.5'	N 7°46.5'
7	250°37.7'	N 9°49.3'	57°51.2'	S 7°24.7'	353°11.4'	S 22°05.2'	240°51.2'	N 7°47.2'
8	265°39.6'	N 9°50.0'	72°53.8'	S 7°24.6'	8°13.7'	S 22°05.2'	255°52.0'	N 7°48.0'
9	280°41.6'	N 9°50.7'	87°56.4'	S 7°24.6'	23°16.0'	S 22°05.2'	270°52.8'	N 7°48.7'
10	295°43.5'	N 9°51.4'	102°59.0'	S 7°24.5'	38°18.3'	S 22°05.2'	285°53.5'	N 7°49.4'
11	310°45.5'	N 9°52.1'	118°01.6'	S 7°24.5'	53°20.5'	S 22°05.2'	300°54.3'	N 7°50.1'
12	325°47.4'	N 9°52.8'	133°04.2'	S 7°24.4'	68°22.8'	S 22°05.2'	315°55.1'	N 7°50.8'
13	340°49.4'	N 9°53.5'	148°06.8'	S 7°24.3'	83°25.1'	S 22°05.2'	330°55.8'	N 7°51.6'
14	355°51.3'	N 9°54.2'	163°09.4'	S 7°24.3'	98°27.4'	S 22°05.2'	345°56.6'	N 7°52.3'
15	10°53.3'	N 9°54.9'	178°12.0'	S 7°24.2'	113°29.7'	S 22°05.2'	0°57.4'	N 7°53.0'
16	25°55.3'	N 9°55.6'	193°14.6'	S 7°24.2'	128°32.0'	S 22°05.2'	15°58.1'	N 7°53.7'
17	40°57.2'	N 9°56.3'	208°17.2'	S 7°24.1'	143°34.3'	S 22°05.2'	30°58.9'	N 7°54.4'
18	55°59.2'	N 9°57.0'	223°19.8'	S 7°24.0'	158°36.6'	S 22°05.2'	45°59.7'	N 7°55.2'
19	71°01.2'	N 9°57.6'	238°22.3'	S 7°24.0'	173°38.9'	S 22°05.2'	61°00.4'	N 7°55.9'
20	86°03.2'	N 9°58.3'	253°24.9'	S 7°23.9'	188°41.2'	S 22°05.2'	76°01.2'	N 7°56.6'
21	101°05.1'	N 9°59.0'	268°27.5'	S 7°23.9'	203°43.5'	S 22°05.2'	91°02.0'	N 7°57.3'
22	116°07.1'	N 9°59.7'	283°30.1'	S 7°23.8'	218°45.8'	S 22°05.2'	106°02.7'	N 7°58.0'
23	131°09.1'	N 10°00.4'	298°32.7'	S 7°23.7'	233°48.1'	S 22°05.2'	121°03.5'	N 7°58.8'

Sat Feb 25, 2017 UTC

UTC	Venus -4.4		Jupiter -2.2		Saturn +0.5		Mars +1.3	
	v = 2.0' d = 0.7'		v = 2.6' d = 0.1'		v = 2.3' d = 0.0'		v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	146°11.1'	N 10°01.0'	313°35.3'	S 7°23.7'	248°50.4'	S 22°05.2'	136°04.3'	N 7°59.5'
1	161°13.1'	N 10°01.7'	328°37.9'	S 7°23.6'	263°52.6'	S 22°05.2'	151°05.0'	N 8°00.2'
2	176°15.1'	N 10°02.4'	343°40.5'	S 7°23.5'	278°54.9'	S 22°05.2'	166°05.8'	N 8°00.9'
3	191°17.1'	N 10°03.1'	358°43.1'	S 7°23.5'	293°57.2'	S 22°05.2'	181°06.6'	N 8°01.6'
4	206°19.1'	N 10°03.7'	13°45.7'	S 7°23.4'	308°59.5'	S 22°05.2'	196°07.3'	N 8°02.4'
5	221°21.1'	N 10°04.4'	28°48.3'	S 7°23.4'	324°01.8'	S 22°05.2'	211°08.1'	N 8°03.1'
6	236°23.1'	N 10°05.1'	43°50.9'	S 7°23.3'	339°04.1'	S 22°05.2'	226°08.9'	N 8°03.8'
7	251°25.1'	N 10°05.7'	58°53.5'	S 7°23.2'	354°06.4'	S 22°05.2'	241°09.6'	N 8°04.5'
8	266°27.2'	N 10°06.4'	73°56.1'	S 7°23.2'	9°08.7'	S 22°05.2'	256°10.4'	N 8°05.2'
9	281°29.2'	N 10°07.1'	88°58.7'	S 7°23.1'	24°11.0'	S 22°05.2'	271°11.2'	N 8°05.9'
10	296°31.2'	N 10°07.7'	104°01.3'	S 7°23.0'	39°13.3'	S 22°05.2'	286°11.9'	N 8°06.7'
11	311°33.2'	N 10°08.4'	119°03.9'	S 7°23.0'	54°15.6'	S 22°05.2'	301°12.7'	N 8°07.4'
12	326°35.3'	N 10°09.1'	134°06.5'	S 7°22.9'	69°17.9'	S 22°05.2'	316°13.5'	N 8°08.1'
13	341°37.3'	N 10°09.7'	149°09.1'	S 7°22.9'	84°20.2'	S 22°05.2'	331°14.2'	N 8°08.8'
14	356°39.3'	N 10°10.4'	164°11.7'	S 7°22.8'	99°22.5'	S 22°05.2'	346°15.0'	N 8°09.5'
15	11°41.4'	N 10°11.0'	179°14.3'	S 7°22.7'	114°24.8'	S 22°05.2'	1°15.7'	N 8°10.2'
16	26°43.4'	N 10°11.7'	194°16.9'	S 7°22.7'	129°27.1'	S 22°05.2'	16°16.5'	N 8°11.0'
17	41°45.5'	N 10°12.3'	209°19.5'	S 7°22.6'	144°29.4'	S 22°05.2'	31°17.3'	N 8°11.7'
18	56°47.5'	N 10°13.0'	224°22.1'	S 7°22.5'	159°31.7'	S 22°05.2'	46°18.0'	N 8°12.4'
19	71°49.6'	N 10°13.6'	239°24.7'	S 7°22.5'	174°34.0'	S 22°05.2'	61°18.8'	N 8°13.1'
20	86°51.6'	N 10°14.3'	254°27.3'	S 7°22.4'	189°36.3'	S 22°05.2'	76°19.6'	N 8°13.8'
21	101°53.7'	N 10°14.9'	269°29.9'	S 7°22.3'	204°38.5'	S 22°05.2'	91°20.3'	N 8°14.5'
22	116°55.8'	N 10°15.6'	284°32.5'	S 7°22.3'	219°40.8'	S 22°05.2'	106°21.1'	N 8°15.2'
23	131°57.8'	N 10°16.2'	299°35.1'	S 7°22.2'	234°43.1'	S 22°05.2'	121°21.9'	N 8°16.0'

Sun Feb 26, 2017 UTC

UTC	Venus -4.4		Jupiter -2.2		Saturn +0.5		Mars +1.3	
	v = 2.1' d = 0.6'		v = 2.6' d = 0.1'		v = 2.3' d = 0.0'		v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	146°59.9'	N 10°16.9'	314°37.7'	S 7°22.2'	249°45.4'	S 22°05.2'	136°22.6'	N 8°16.7'
1	162°02.0'	N 10°17.5'	329°40.3'	S 7°22.1'	264°47.7'	S 22°05.2'	151°23.4'	N 8°17.4'
2	177°04.1'	N 10°18.1'	344°42.9'	S 7°22.0'	279°50.0'	S 22°05.2'	166°24.2'	N 8°18.1'
3	192°06.1'	N 10°18.8'	359°45.5'	S 7°22.0'	294°52.3'	S 22°05.2'	181°24.9'	N 8°18.8'
4	207°08.2'	N 10°19.4'	14°48.1'	S 7°21.9'	309°54.6'	S 22°05.2'	196°25.7'	N 8°19.5'
5	222°10.3'	N 10°20.0'	29°50.7'	S 7°21.8'	324°56.9'	S 22°05.2'	211°26.5'	N 8°20.3'
6	237°12.4'	N 10°20.7'	44°53.3'	S 7°21.8'	339°59.2'	S 22°05.2'	226°27.2'	N 8°21.0'
7	252°14.5'	N 10°21.3'	59°55.9'	S 7°21.7'	355°01.5'	S 22°05.2'	241°28.0'	N 8°21.7'
8	267°16.6'	N 10°21.9'	74°58.6'	S 7°21.6'	10°03.8'	S 22°05.3'	256°28.8'	N 8°22.4'
9	282°18.7'	N 10°22.6'	90°01.2'	S 7°21.6'	25°06.1'	S 22°05.3'	271°29.5'	N 8°23.1'
10	297°20.8'	N 10°23.2'	105°03.8'	S 7°21.5'	40°08.4'	S 22°05.3'	286°30.3'	N 8°23.8'
11	312°22.9'	N 10°23.8'	120°06.4'	S 7°21.4'	55°10.7'	S 22°05.3'	301°31.0'	N 8°24.5'
12	327°25.0'	N 10°24.4'	135°09.0'	S 7°21.4'	70°13.0'	S 22°05.3'	316°31.8'	N 8°25.2'
13	342°27.1'	N 10°25.1'	150°11.6'	S 7°21.3'	85°15.3'	S 22°05.3'	331°32.6'	N 8°26.0'
14	357°29.3'	N 10°25.7'	165°14.2'	S 7°21.2'	100°17.6'	S 22°05.3'	346°33.3'	N 8°26.7'
15	12°31.4'	N 10°26.3'	180°16.8'	S 7°21.2'	115°19.9'	S 22°05.3'	1°34.1'	N 8°27.4'
16	27°33.5'	N 10°26.9'	195°19.4'	S 7°21.1'	130°22.2'	S 22°05.3'	16°34.9'	N 8°28.1'
17	42°35.6'	N 10°27.5'	210°22.0'	S 7°21.0'	145°24.5'	S 22°05.3'	31°35.6'	N 8°28.8'
18	57°37.8'	N 10°28.2'	225°24.6'	S 7°21.0'	160°26.8'	S 22°05.3'	46°36.4'	N 8°29.5'
19	72°39.9'	N 10°28.8'	240°27.2'	S 7°20.9'	175°29.1'	S 22°05.3'	61°37.2'	N 8°30.2'
20	87°42.0'	N 10°29.4'	255°29.8'	S 7°20.8'	190°31.4'	S 22°05.3'	76°37.9'	N 8°30.9'
21	102°44.2'	N 10°30.0'	270°32.4'	S 7°20.8'	205°33.7'	S 22°05.3'	91°38.7'	N 8°31.7'
22	117°46.3'	N 10°30.6'	285°35.1'	S 7°20.7'	220°36.0'	S 22°05.3'	106°39.5'	N 8°32.4'
23	132°48.5'	N 10°31.2'	300°37.7'	S 7°20.6'	235°38.3'	S 22°05.3'	121°40.2'	N 8°33.1'

Mon Feb 27, 2017 UTC

UTC	Venus -4.4		Jupiter -2.2		Saturn +0.5		Mars +1.3	
	v = 2.2' d = 0.6'		v = 2.6' d = 0.1'		v = 2.3' d = 0.0'		v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	147°50.6'	N 10°31.8'	315°40.3'	S 7°20.6'	250°40.6'	S 22°05.3'	136°41.0'	N 8°33.8'
1	162°52.8'	N 10°32.4'	330°42.9'	S 7°20.5'	265°42.9'	S 22°05.3'	151°41.7'	N 8°34.5'
2	177°54.9'	N 10°33.0'	345°45.5'	S 7°20.4'	280°45.2'	S 22°05.3'	166°42.5'	N 8°35.2'
3	192°57.1'	N 10°33.6'	0°48.1'	S 7°20.4'	295°47.5'	S 22°05.3'	181°43.3'	N 8°35.9'
4	207°59.3'	N 10°34.2'	15°50.7'	S 7°20.3'	310°49.8'	S 22°05.3'	196°44.0'	N 8°36.6'
5	223°01.4'	N 10°34.8'	30°53.3'	S 7°20.2'	325°52.1'	S 22°05.3'	211°44.8'	N 8°37.3'
6	238°03.6'	N 10°35.4'	45°55.9'	S 7°20.2'	340°54.4'	S 22°05.3'	226°45.6'	N 8°38.1'
7	253°05.8'	N 10°36.0'	60°58.6'	S 7°20.1'	355°56.7'	S 22°05.3'	241°46.3'	N 8°38.8'
8	268°08.0'	N 10°36.6'	76°01.2'	S 7°20.0'	10°59.0'	S 22°05.3'	256°47.1'	N 8°39.5'
9	283°10.2'	N 10°37.2'	91°03.8'	S 7°20.0'	26°01.3'	S 22°05.3'	271°47.9'	N 8°40.2'
10	298°12.3'	N 10°37.8'	106°06.4'	S 7°19.9'	41°03.6'	S 22°05.3'	286°48.6'	N 8°40.9'
11	313°14.5'	N 10°38.3'	121°09.0'	S 7°19.8'	56°05.9'	S 22°05.3'	301°49.4'	N 8°41.6'
12	328°16.7'	N 10°38.9'	136°11.6'	S 7°19.8'	71°08.2'	S 22°05.3'	316°50.1'	N 8°42.3'
13	343°18.9'	N 10°39.5'	151°14.2'	S 7°19.7'	86°10.5'	S 22°05.3'	331°50.9'	N 8°43.0'
14	358°21.1'	N 10°40.1'	166°16.8'	S 7°19.6'	101°12.9'	S 22°05.3'	346°51.7'	N 8°43.7'
15	13°23.3'	N 10°40.7'	181°19.5'	S 7°19.6'	116°15.2'	S 22°05.3'	1°52.4'	N 8°44.4'
16	28°25.5'	N 10°41.3'	196°22.1'	S 7°19.5'	131°17.5'	S 22°05.3'	16°53.2'	N 8°45.1'
17	43°27.8'	N 10°41.8'	211°24.7'	S 7°19.4'	146°19.8'	S 22°05.3'	31°54.0'	N 8°45.9'
18	58°30.0'	N 10°42.4'	226°27.3'	S 7°19.4'	161°22.1'	S 22°05.3'	46°54.7'	N 8°46.6'
19	73°32.2'	N 10°43.0'	241°29.9'	S 7°19.3'	176°24.4'	S 22°05.3'	61°55.5'	N 8°47.3'
20	88°34.4'	N 10°43.6'	256°32.5'	S 7°19.2'	191°26.7'	S 22°05.3'	76°56.3'	N 8°48.0'
21	103°36.6'	N 10°44.1'	271°35.1'	S 7°19.1'	206°29.0'	S 22°05.3'	91°57.0'	N 8°48.7'
22	118°38.9'	N 10°44.7'	286°37.8'	S 7°19.1'	221°31.3'	S 22°05.3'	106°57.8'	N 8°49.4'
23	133°41.1'	N 10°45.3'	301°40.4'	S 7°19.0'	236°33.6'	S 22°05.3'	121°58.5'	N 8°50.1'

Tue Feb 28, 2017 UTC

UTC	Venus -4.4		Jupiter -2.2		Saturn +0.5		Mars +1.3	
	v = 2.3' d = 0.5'		v = 2.6' d = 0.1'		v = 2.3' d = 0.0'		v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	148°43.3'	N 10°45.8'	316°43.0'	S 7°18.9'	251°35.9'	S 22°05.3'	136°59.3'	N 8°50.8'
1	163°45.6'	N 10°46.4'	331°45.6'	S 7°18.9'	266°38.2'	S 22°05.3'	152°00.1'	N 8°51.5'
2	178°47.8'	N 10°46.9'	346°48.2'	S 7°18.8'	281°40.5'	S 22°05.3'	167°00.8'	N 8°52.2'
3	193°50.1'	N 10°47.5'	1°50.8'	S 7°18.7'	296°42.8'	S 22°05.3'	182°01.6'	N 8°52.9'
4	208°52.3'	N 10°48.1'	16°53.5'	S 7°18.7'	311°45.1'	S 22°05.3'	197°02.4'	N 8°53.6'
5	223°54.6'	N 10°48.6'	31°56.1'	S 7°18.6'	326°47.4'	S 22°05.3'	212°03.1'	N 8°54.3'
6	238°56.8'	N 10°49.2'	46°58.7'	S 7°18.5'	341°49.7'	S 22°05.3'	227°03.9'	N 8°55.0'
7	253°59.1'	N 10°49.7'	62°01.3'	S 7°18.4'	356°52.0'	S 22°05.3'	242°04.6'	N 8°55.8'
8	269°01.4'	N 10°50.3'	77°03.9'	S 7°18.4'	11°54.3'	S 22°05.3'	257°05.4'	N 8°56.5'
9	284°03.6'	N 10°50.8'	92°06.6'	S 7°18.3'	26°56.6'	S 22°05.3'	272°06.2'	N 8°57.2'
10	299°05.9'	N 10°51.4'	107°09.2'	S 7°18.2'	41°59.0'	S 22°05.3'	287°06.9'	N 8°57.9'
11	314°08.2'	N 10°51.9'	122°11.8'	S 7°18.2'	57°01.3'	S 22°05.3'	302°07.7'	N 8°58.6'
12	329°10.5'	N 10°52.5'	137°14.4'	S 7°18.1'	72°03.6'	S 22°05.3'	317°08.5'	N 8°59.3'
13	344°12.7'	N 10°53.0'	152°17.0'	S 7°18.0'	87°05.9'	S 22°05.3'	332°09.2'	N 8°60.0'
14	359°15.0'	N 10°53.6'	167°19.7'	S 7°18.0'	102°08.2'	S 22°05.3'	347°10.0'	N 9°00.7'
15	14°17.3'	N 10°54.1'	182°22.3'	S 7°17.9'	117°10.5'	S 22°05.3'	2°10.7'	N 9°01.4'
16	29°19.6'	N 10°54.6'	197°24.9'	S 7°17.8'	132°12.8'	S 22°05.3'	17°11.5'	N 9°02.1'
17	44°21.9'	N 10°55.2'	212°27.5'	S 7°17.7'	147°15.1'	S 22°05.3'	32°12.3'	N 9°02.8'
18	59°24.2'	N 10°55.7'	227°30.1'	S 7°17.7'	162°17.4'	S 22°05.3'	47°13.0'	N 9°03.5'
19	74°26.5'	N 10°56.2'	242°32.8'	S 7°17.6'	177°19.7'	S 22°05.3'	62°13.8'	N 9°04.2'
20	89°28.8'	N 10°56.8'	257°35.4'	S 7°17.5'	192°22.0'	S 22°05.3'	77°14.5'	N 9°04.9'
21	104°31.1'	N 10°57.3'	272°38.0'	S 7°17.5'	207°24.3'	S 22°05.3'	92°15.3'	N 9°05.6'
22	119°33.4'	N 10°57.8'	287°40.6'	S 7°17.4'	222°26.6'	S 22°05.3'	107°16.1'	N 9°06.3'
23	134°35.8'	N 10°58.3'	302°43.2'	S 7°17.3'	237°28.9'	S 22°05.3'	122°16.8'	N 9°07.0'