

Thu Mar 1, 2018 UTC

UTC	Venus -3.8		Jupiter -2.0		Saturn +0.6		Mars +0.8	
	v = -0.4' d = 1.3'		v = 2.4' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	165°03.6'	S 4°13.1'	287°42.8'	S 17°24.3'	240°50.2'	S 22°21.5'	259°19.9'	S 22°47.7'
1	180°03.2'	S 4°11.8'	302°45.2'	S 17°24.3'	255°52.5'	S 22°21.5'	274°20.8'	S 22°47.8'
2	195°02.8'	S 4°10.6'	317°47.6'	S 17°24.3'	270°54.8'	S 22°21.5'	289°21.7'	S 22°48.0'
3	210°02.4'	S 4°09.3'	332°50.0'	S 17°24.3'	285°57.0'	S 22°21.5'	304°22.5'	S 22°48.1'
4	225°02.0'	S 4°08.0'	347°52.4'	S 17°24.3'	300°59.3'	S 22°21.5'	319°23.4'	S 22°48.3'
5	240°01.6'	S 4°06.8'	2°54.8'	S 17°24.3'	316°01.6'	S 22°21.5'	334°24.2'	S 22°48.4'
6	255°01.2'	S 4°05.5'	17°57.2'	S 17°24.3'	331°03.8'	S 22°21.5'	349°25.1'	S 22°48.6'
7	270°00.8'	S 4°04.2'	32°59.6'	S 17°24.3'	346°06.1'	S 22°21.4'	4°26.0'	S 22°48.7'
8	285°00.4'	S 4°03.0'	48°02.0'	S 17°24.4'	1°08.4'	S 22°21.4'	19°26.8'	S 22°48.9'
9	300°00.0'	S 4°01.7'	63°04.4'	S 17°24.4'	16°10.6'	S 22°21.4'	34°27.7'	S 22°49.0'
10	314°59.6'	S 4°00.4'	78°06.8'	S 17°24.4'	31°12.9'	S 22°21.4'	49°28.6'	S 22°49.2'
11	329°59.3'	S 3°59.2'	93°09.2'	S 17°24.4'	46°15.2'	S 22°21.4'	64°29.4'	S 22°49.3'
12	344°58.9'	S 3°57.9'	108°11.6'	S 17°24.4'	61°17.5'	S 22°21.4'	79°30.3'	S 22°49.5'
13	359°58.5'	S 3°56.6'	123°14.0'	S 17°24.4'	76°19.7'	S 22°21.4'	94°31.2'	S 22°49.6'
14	14°58.1'	S 3°55.4'	138°16.4'	S 17°24.4'	91°22.0'	S 22°21.4'	109°32.0'	S 22°49.7'
15	29°57.7'	S 3°54.1'	153°18.8'	S 17°24.4'	106°24.3'	S 22°21.4'	124°32.9'	S 22°49.9'
16	44°57.3'	S 3°52.8'	168°21.2'	S 17°24.4'	121°26.5'	S 22°21.4'	139°33.8'	S 22°50.0'
17	59°56.9'	S 3°51.5'	183°23.6'	S 17°24.4'	136°28.8'	S 22°21.3'	154°34.6'	S 22°50.2'
18	74°56.5'	S 3°50.3'	198°26.0'	S 17°24.4'	151°31.1'	S 22°21.3'	169°35.5'	S 22°50.3'
19	89°56.2'	S 3°49.0'	213°28.4'	S 17°24.5'	166°33.3'	S 22°21.3'	184°36.4'	S 22°50.5'
20	104°55.8'	S 3°47.7'	228°30.8'	S 17°24.5'	181°35.6'	S 22°21.3'	199°37.2'	S 22°50.6'
21	119°55.4'	S 3°46.5'	243°33.3'	S 17°24.5'	196°37.9'	S 22°21.3'	214°38.1'	S 22°50.7'
22	134°55.0'	S 3°45.2'	258°35.7'	S 17°24.5'	211°40.1'	S 22°21.3'	229°39.0'	S 22°50.9'
23	149°54.6'	S 3°43.9'	273°38.1'	S 17°24.5'	226°42.4'	S 22°21.3'	244°39.8'	S 22°51.0'

Fri Mar 2, 2018 UTC

UTC	Venus -3.8		Jupiter -2.0		Saturn +0.6		Mars +0.8	
	v = -0.4' d = 1.3'		v = 2.4' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	164°54.2'	S 3°42.7'	288°40.5'	S 17°24.5'	241°44.7'	S 22°21.3'	259°40.7'	S 22°51.2'
1	179°53.8'	S 3°41.4'	303°42.9'	S 17°24.5'	256°47.0'	S 22°21.3'	274°41.6'	S 22°51.3'
2	194°53.4'	S 3°40.1'	318°45.3'	S 17°24.5'	271°49.2'	S 22°21.2'	289°42.4'	S 22°51.5'
3	209°53.1'	S 3°38.9'	333°47.7'	S 17°24.5'	286°51.5'	S 22°21.2'	304°43.3'	S 22°51.6'
4	224°52.7'	S 3°37.6'	348°50.1'	S 17°24.5'	301°53.8'	S 22°21.2'	319°44.1'	S 22°51.7'
5	239°52.3'	S 3°36.3'	3°52.5'	S 17°24.5'	316°56.0'	S 22°21.2'	334°45.0'	S 22°51.9'
6	254°51.9'	S 3°35.0'	18°54.9'	S 17°24.5'	331°58.3'	S 22°21.2'	349°45.9'	S 22°52.0'
7	269°51.5'	S 3°33.8'	33°57.3'	S 17°24.5'	347°00.6'	S 22°21.2'	4°46.7'	S 22°52.2'
8	284°51.1'	S 3°32.5'	48°59.7'	S 17°24.6'	2°02.9'	S 22°21.2'	19°47.6'	S 22°52.3'
9	299°50.7'	S 3°31.2'	64°02.1'	S 17°24.6'	17°05.1'	S 22°21.2'	34°48.5'	S 22°52.4'
10	314°50.4'	S 3°30.0'	79°04.5'	S 17°24.6'	32°07.4'	S 22°21.2'	49°49.3'	S 22°52.6'
11	329°50.0'	S 3°28.7'	94°06.9'	S 17°24.6'	47°09.7'	S 22°21.2'	64°50.2'	S 22°52.7'
12	344°49.6'	S 3°27.4'	109°09.4'	S 17°24.6'	62°11.9'	S 22°21.1'	79°51.1'	S 22°52.9'
13	359°49.2'	S 3°26.1'	124°11.8'	S 17°24.6'	77°14.2'	S 22°21.1'	94°51.9'	S 22°53.0'
14	14°48.8'	S 3°24.9'	139°14.2'	S 17°24.6'	92°16.5'	S 22°21.1'	109°52.8'	S 22°53.1'
15	29°48.4'	S 3°23.6'	154°16.6'	S 17°24.6'	107°18.8'	S 22°21.1'	124°53.7'	S 22°53.3'
16	44°48.0'	S 3°22.3'	169°19.0'	S 17°24.6'	122°21.0'	S 22°21.1'	139°54.5'	S 22°53.4'
17	59°47.7'	S 3°21.1'	184°21.4'	S 17°24.6'	137°23.3'	S 22°21.1'	154°55.4'	S 22°53.5'
18	74°47.3'	S 3°19.8'	199°23.8'	S 17°24.6'	152°25.6'	S 22°21.1'	169°56.3'	S 22°53.7'
19	89°46.9'	S 3°18.5'	214°26.2'	S 17°24.6'	167°27.8'	S 22°21.1'	184°57.1'	S 22°53.8'
20	104°46.5'	S 3°17.2'	229°28.6'	S 17°24.6'	182°30.1'	S 22°21.1'	199°58.0'	S 22°54.0'
21	119°46.1'	S 3°16.0'	244°31.1'	S 17°24.6'	197°32.4'	S 22°21.1'	214°58.9'	S 22°54.1'
22	134°45.7'	S 3°14.7'	259°33.5'	S 17°24.6'	212°34.7'	S 22°21.0'	229°59.7'	S 22°54.2'
23	149°45.4'	S 3°13.4'	274°35.9'	S 17°24.6'	227°36.9'	S 22°21.0'	245°00.6'	S 22°54.4'

Sat Mar 3, 2018 UTC

UTC	Venus -3.8 v = -0.4' d = 1.3'		Jupiter -2.0 v = 2.4' d = 0.0'		Saturn +0.6 v = 2.3' d = 0.0'		Mars +0.8 v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	164°45.0'	S 3°12.2'	289°38.3'	S 17°24.7'	242°39.2'	S 22°21.0'	260°01.5'	S 22°54.5'
1	179°44.6'	S 3°10.9'	304°40.7'	S 17°24.7'	257°41.5'	S 22°21.0'	275°02.3'	S 22°54.6'
2	194°44.2'	S 3°09.6'	319°43.1'	S 17°24.7'	272°43.8'	S 22°21.0'	290°03.2'	S 22°54.8'
3	209°43.8'	S 3°08.3'	334°45.5'	S 17°24.7'	287°46.0'	S 22°21.0'	305°04.1'	S 22°54.9'
4	224°43.4'	S 3°07.1'	349°47.9'	S 17°24.7'	302°48.3'	S 22°21.0'	320°04.9'	S 22°55.0'
5	239°43.1'	S 3°05.8'	4°50.4'	S 17°24.7'	317°50.6'	S 22°21.0'	335°05.8'	S 22°55.2'
6	254°42.7'	S 3°04.5'	19°52.8'	S 17°24.7'	332°52.9'	S 22°21.0'	350°06.7'	S 22°55.3'
7	269°42.3'	S 3°03.2'	34°55.2'	S 17°24.7'	347°55.1'	S 22°21.0'	5°07.5'	S 22°55.4'
8	284°41.9'	S 3°02.0'	49°57.6'	S 17°24.7'	2°57.4'	S 22°20.9'	20°08.4'	S 22°55.6'
9	299°41.5'	S 3°00.7'	65°00.0'	S 17°24.7'	17°59.7'	S 22°20.9'	35°09.3'	S 22°55.7'
10	314°41.2'	S 2°59.4'	80°02.4'	S 17°24.7'	33°02.0'	S 22°20.9'	50°10.1'	S 22°55.8'
11	329°40.8'	S 2°58.1'	95°04.9'	S 17°24.7'	48°04.2'	S 22°20.9'	65°11.0'	S 22°56.0'
12	344°40.4'	S 2°56.9'	110°07.3'	S 17°24.7'	63°06.5'	S 22°20.9'	80°11.9'	S 22°56.1'
13	359°40.0'	S 2°55.6'	125°09.7'	S 17°24.7'	78°08.8'	S 22°20.9'	95°12.8'	S 22°56.2'
14	14°39.6'	S 2°54.3'	140°12.1'	S 17°24.7'	93°11.1'	S 22°20.9'	110°13.6'	S 22°56.4'
15	29°39.3'	S 2°53.0'	155°14.5'	S 17°24.7'	108°13.3'	S 22°20.9'	125°14.5'	S 22°56.5'
16	44°38.9'	S 2°51.8'	170°16.9'	S 17°24.7'	123°15.6'	S 22°20.9'	140°15.4'	S 22°56.6'
17	59°38.5'	S 2°50.5'	185°19.4'	S 17°24.7'	138°17.9'	S 22°20.9'	155°16.2'	S 22°56.8'
18	74°38.1'	S 2°49.2'	200°21.8'	S 17°24.7'	153°20.2'	S 22°20.8'	170°17.1'	S 22°56.9'
19	89°37.7'	S 2°47.9'	215°24.2'	S 17°24.8'	168°22.4'	S 22°20.8'	185°18.0'	S 22°57.0'
20	104°37.4'	S 2°46.7'	230°26.6'	S 17°24.8'	183°24.7'	S 22°20.8'	200°18.8'	S 22°57.2'
21	119°37.0'	S 2°45.4'	245°29.0'	S 17°24.8'	198°27.0'	S 22°20.8'	215°19.7'	S 22°57.3'
22	134°36.6'	S 2°44.1'	260°31.5'	S 17°24.8'	213°29.3'	S 22°20.8'	230°20.6'	S 22°57.4'
23	149°36.2'	S 2°42.8'	275°33.9'	S 17°24.8'	228°31.5'	S 22°20.8'	245°21.4'	S 22°57.6'

Sun Mar 4, 2018 UTC

UTC	Venus -3.8 v = -0.4' d = 1.3'		Jupiter -2.0 v = 2.4' d = 0.0'		Saturn +0.6 v = 2.3' d = 0.0'		Mars +0.8 v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	164°35.8'	S 2°41.5'	290°36.3'	S 17°24.8'	243°33.8'	S 22°20.8'	260°22.3'	S 22°57.7'
1	179°35.5'	S 2°40.3'	305°38.7'	S 17°24.8'	258°36.1'	S 22°20.8'	275°23.2'	S 22°57.8'
2	194°35.1'	S 2°39.0'	320°41.1'	S 17°24.8'	273°38.4'	S 22°20.8'	290°24.0'	S 22°57.9'
3	209°34.7'	S 2°37.7'	335°43.6'	S 17°24.8'	288°40.7'	S 22°20.8'	305°24.9'	S 22°58.1'
4	224°34.3'	S 2°36.4'	350°46.0'	S 17°24.8'	303°42.9'	S 22°20.7'	320°25.8'	S 22°58.2'
5	239°34.0'	S 2°35.2'	5°48.4'	S 17°24.8'	318°45.2'	S 22°20.7'	335°26.6'	S 22°58.3'
6	254°33.6'	S 2°33.9'	20°50.8'	S 17°24.8'	333°47.5'	S 22°20.7'	350°27.5'	S 22°58.5'
7	269°33.2'	S 2°32.6'	35°53.3'	S 17°24.8'	348°49.8'	S 22°20.7'	5°28.4'	S 22°58.6'
8	284°32.8'	S 2°31.3'	50°55.7'	S 17°24.8'	3°52.0'	S 22°20.7'	20°29.2'	S 22°58.7'
9	299°32.4'	S 2°30.0'	65°58.1'	S 17°24.8'	18°54.3'	S 22°20.7'	35°30.1'	S 22°58.8'
10	314°32.1'	S 2°28.8'	81°00.5'	S 17°24.8'	33°56.6'	S 22°20.7'	50°31.0'	S 22°59.0'
11	329°31.7'	S 2°27.5'	96°03.0'	S 17°24.8'	48°58.9'	S 22°20.7'	65°31.9'	S 22°59.1'
12	344°31.3'	S 2°26.2'	111°05.4'	S 17°24.8'	64°01.2'	S 22°20.7'	80°32.7'	S 22°59.2'
13	359°30.9'	S 2°24.9'	126°07.8'	S 17°24.8'	79°03.4'	S 22°20.7'	95°33.6'	S 22°59.3'
14	14°30.6'	S 2°23.7'	141°10.2'	S 17°24.8'	94°05.7'	S 22°20.6'	110°34.5'	S 22°59.5'
15	29°30.2'	S 2°22.4'	156°12.7'	S 17°24.8'	109°08.0'	S 22°20.6'	125°35.3'	S 22°59.6'
16	44°29.8'	S 2°21.1'	171°15.1'	S 17°24.8'	124°10.3'	S 22°20.6'	140°36.2'	S 22°59.7'
17	59°29.4'	S 2°19.8'	186°17.5'	S 17°24.8'	139°12.6'	S 22°20.6'	155°37.1'	S 22°59.9'
18	74°29.0'	S 2°18.5'	201°19.9'	S 17°24.8'	154°14.8'	S 22°20.6'	170°37.9'	S 22°60.0'
19	89°28.7'	S 2°17.3'	216°22.4'	S 17°24.8'	169°17.1'	S 22°20.6'	185°38.8'	S 23°00.1'
20	104°28.3'	S 2°16.0'	231°24.8'	S 17°24.8'	184°19.4'	S 22°20.6'	200°39.7'	S 23°00.2'
21	119°27.9'	S 2°14.7'	246°27.2'	S 17°24.8'	199°21.7'	S 22°20.6'	215°40.5'	S 23°00.4'
22	134°27.5'	S 2°13.4'	261°29.7'	S 17°24.8'	214°24.0'	S 22°20.6'	230°41.4'	S 23°00.5'
23	149°27.2'	S 2°12.1'	276°32.1'	S 17°24.8'	229°26.2'	S 22°20.6'	245°42.3'	S 23°00.6'

Mon Mar 5, 2018 UTC

UTC	Venus -3.8		Jupiter -2.0		Saturn +0.6		Mars +0.8	
	v = -0.4' d = 1.3'		v = 2.4' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	164°26.8'	S 2°10.9'	291°34.5'	S 17°24.8'	244°28.5'	S 22°20.5'	260°43.2'	S 23°00.7'
1	179°26.4'	S 2°09.6'	306°36.9'	S 17°24.8'	259°30.8'	S 22°20.5'	275°44.0'	S 23°00.8'
2	194°26.0'	S 2°08.3'	321°39.4'	S 17°24.8'	274°33.1'	S 22°20.5'	290°44.9'	S 23°01.0'
3	209°25.7'	S 2°07.0'	336°41.8'	S 17°24.8'	289°35.4'	S 22°20.5'	305°45.8'	S 23°01.1'
4	224°25.3'	S 2°05.7'	351°44.2'	S 17°24.8'	304°37.6'	S 22°20.5'	320°46.6'	S 23°01.2'
5	239°24.9'	S 2°04.5'	6°46.7'	S 17°24.8'	319°39.9'	S 22°20.5'	335°47.5'	S 23°01.3'
6	254°24.5'	S 2°03.2'	21°49.1'	S 17°24.9'	334°42.2'	S 22°20.5'	350°48.4'	S 23°01.5'
7	269°24.2'	S 2°01.9'	36°51.5'	S 17°24.9'	349°44.5'	S 22°20.5'	5°49.2'	S 23°01.6'
8	284°23.8'	S 2°00.6'	51°54.0'	S 17°24.9'	4°46.8'	S 22°20.5'	20°50.1'	S 23°01.7'
9	299°23.4'	S 1°59.3'	66°56.4'	S 17°24.9'	19°49.1'	S 22°20.5'	35°51.0'	S 23°01.8'
10	314°23.0'	S 1°58.1'	81°58.8'	S 17°24.9'	34°51.3'	S 22°20.4'	50°51.9'	S 23°02.0'
11	329°22.7'	S 1°56.8'	97°01.2'	S 17°24.9'	49°53.6'	S 22°20.4'	65°52.7'	S 23°02.1'
12	344°22.3'	S 1°55.5'	112°03.7'	S 17°24.9'	64°55.9'	S 22°20.4'	80°53.6'	S 23°02.2'
13	359°21.9'	S 1°54.2'	127°06.1'	S 17°24.9'	79°58.2'	S 22°20.4'	95°54.5'	S 23°02.3'
14	14°21.6'	S 1°52.9'	142°08.5'	S 17°24.9'	95°00.5'	S 22°20.4'	110°55.3'	S 23°02.4'
15	29°21.2'	S 1°51.7'	157°11.0'	S 17°24.9'	110°02.8'	S 22°20.4'	125°56.2'	S 23°02.6'
16	44°20.8'	S 1°50.4'	172°13.4'	S 17°24.9'	125°05.0'	S 22°20.4'	140°57.1'	S 23°02.7'
17	59°20.4'	S 1°49.1'	187°15.9'	S 17°24.9'	140°07.3'	S 22°20.4'	155°57.9'	S 23°02.8'
18	74°20.1'	S 1°47.8'	202°18.3'	S 17°24.9'	155°09.6'	S 22°20.4'	170°58.8'	S 23°02.9'
19	89°19.7'	S 1°46.5'	217°20.7'	S 17°24.9'	170°11.9'	S 22°20.4'	185°59.7'	S 23°03.0'
20	104°19.3'	S 1°45.2'	232°23.2'	S 17°24.9'	185°14.2'	S 22°20.3'	201°00.6'	S 23°03.2'
21	119°18.9'	S 1°44.0'	247°25.6'	S 17°24.9'	200°16.5'	S 22°20.3'	216°01.4'	S 23°03.3'
22	134°18.6'	S 1°42.7'	262°28.0'	S 17°24.9'	215°18.7'	S 22°20.3'	231°02.3'	S 23°03.4'
23	149°18.2'	S 1°41.4'	277°30.5'	S 17°24.9'	230°21.0'	S 22°20.3'	246°03.2'	S 23°03.5'

Tue Mar 6, 2018 UTC

UTC	Venus -3.8		Jupiter -2.0		Saturn +0.6		Mars +0.7	
	v = -0.4' d = 1.3'		v = 2.4' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	164°17.8'	S 1°40.1'	292°32.9'	S 17°24.9'	245°23.3'	S 22°20.3'	261°04.0'	S 23°03.6'
1	179°17.4'	S 1°38.8'	307°35.3'	S 17°24.9'	260°25.6'	S 22°20.3'	276°04.9'	S 23°03.7'
2	194°17.1'	S 1°37.6'	322°37.8'	S 17°24.9'	275°27.9'	S 22°20.3'	291°05.8'	S 23°03.9'
3	209°16.7'	S 1°36.3'	337°40.2'	S 17°24.9'	290°30.2'	S 22°20.3'	306°06.7'	S 23°04.0'
4	224°16.3'	S 1°35.0'	352°42.7'	S 17°24.9'	305°32.4'	S 22°20.3'	321°07.5'	S 23°04.1'
5	239°16.0'	S 1°33.7'	7°45.1'	S 17°24.9'	320°34.7'	S 22°20.3'	336°08.4'	S 23°04.2'
6	254°15.6'	S 1°32.4'	22°47.5'	S 17°24.9'	335°37.0'	S 22°20.2'	351°09.3'	S 23°04.3'
7	269°15.2'	S 1°31.1'	37°50.0'	S 17°24.9'	350°39.3'	S 22°20.2'	6°10.1'	S 23°04.4'
8	284°14.8'	S 1°29.9'	52°52.4'	S 17°24.9'	5°41.6'	S 22°20.2'	21°11.0'	S 23°04.6'
9	299°14.5'	S 1°28.6'	67°54.8'	S 17°24.9'	20°43.9'	S 22°20.2'	36°11.9'	S 23°04.7'
10	314°14.1'	S 1°27.3'	82°57.3'	S 17°24.9'	35°46.2'	S 22°20.2'	51°12.8'	S 23°04.8'
11	329°13.7'	S 1°26.0'	97°59.7'	S 17°24.9'	50°48.4'	S 22°20.2'	66°13.6'	S 23°04.9'
12	344°13.4'	S 1°24.7'	113°02.2'	S 17°24.9'	65°50.7'	S 22°20.2'	81°14.5'	S 23°05.0'
13	359°13.0'	S 1°23.4'	128°04.6'	S 17°24.9'	80°53.0'	S 22°20.2'	96°15.4'	S 23°05.1'
14	14°12.6'	S 1°22.2'	143°07.1'	S 17°24.9'	95°55.3'	S 22°20.2'	111°16.2'	S 23°05.3'
15	29°12.2'	S 1°20.9'	158°09.5'	S 17°24.9'	110°57.6'	S 22°20.2'	126°17.1'	S 23°05.4'
16	44°11.9'	S 1°19.6'	173°11.9'	S 17°24.9'	125°59.9'	S 22°20.2'	141°18.0'	S 23°05.5'
17	59°11.5'	S 1°18.3'	188°14.4'	S 17°24.9'	141°02.2'	S 22°20.1'	156°18.9'	S 23°05.6'
18	74°11.1'	S 1°17.0'	203°16.8'	S 17°24.9'	156°04.4'	S 22°20.1'	171°19.7'	S 23°05.7'
19	89°10.8'	S 1°15.7'	218°19.3'	S 17°24.9'	171°06.7'	S 22°20.1'	186°20.6'	S 23°05.8'
20	104°10.4'	S 1°14.5'	233°21.7'	S 17°24.8'	186°09.0'	S 22°20.1'	201°21.5'	S 23°05.9'
21	119°10.0'	S 1°13.2'	248°24.2'	S 17°24.8'	201°11.3'	S 22°20.1'	216°22.4'	S 23°06.0'
22	134°09.7'	S 1°11.9'	263°26.6'	S 17°24.8'	216°13.6'	S 22°20.1'	231°23.2'	S 23°06.2'
23	149°09.3'	S 1°10.6'	278°29.0'	S 17°24.8'	231°15.9'	S 22°20.1'	246°24.1'	S 23°06.3'

Wed Mar 7, 2018 UTC

UTC	Venus -3.8		Jupiter -2.1		Saturn +0.6		Mars +0.7	
	v = -0.4' d = 1.3'		v = 2.4' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	164°08.9'	S 1°09.3'	293°31.5'	S 17°24.8'	246°18.2'	S 22°20.1'	261°25.0'	S 23°06.4'
1	179°08.5'	S 1°08.0'	308°33.9'	S 17°24.8'	261°20.5'	S 22°20.1'	276°25.8'	S 23°06.5'
2	194°08.2'	S 1°06.7'	323°36.4'	S 17°24.8'	276°22.7'	S 22°20.1'	291°26.7'	S 23°06.6'
3	209°07.8'	S 1°05.5'	338°38.8'	S 17°24.8'	291°25.0'	S 22°20.0'	306°27.6'	S 23°06.7'
4	224°07.4'	S 1°04.2'	353°41.3'	S 17°24.8'	306°27.3'	S 22°20.0'	321°28.5'	S 23°06.8'
5	239°07.1'	S 1°02.9'	8°43.7'	S 17°24.8'	321°29.6'	S 22°20.0'	336°29.3'	S 23°06.9'
6	254°06.7'	S 1°01.6'	23°46.2'	S 17°24.8'	336°31.9'	S 22°20.0'	351°30.2'	S 23°07.1'
7	269°06.3'	S 1°00.3'	38°48.6'	S 17°24.8'	351°34.2'	S 22°20.0'	6°31.1'	S 23°07.2'
8	284°06.0'	S 0°59.0'	53°51.1'	S 17°24.8'	6°36.5'	S 22°20.0'	21°32.0'	S 23°07.3'
9	299°05.6'	S 0°57.8'	68°53.5'	S 17°24.8'	21°38.8'	S 22°20.0'	36°32.8'	S 23°07.4'
10	314°05.2'	S 0°56.5'	83°56.0'	S 17°24.8'	36°41.1'	S 22°20.0'	51°33.7'	S 23°07.5'
11	329°04.9'	S 0°55.2'	98°58.4'	S 17°24.8'	51°43.3'	S 22°20.0'	66°34.6'	S 23°07.6'
12	344°04.5'	S 0°53.9'	114°00.8'	S 17°24.8'	66°45.6'	S 22°20.0'	81°35.5'	S 23°07.7'
13	359°04.1'	S 0°52.6'	129°03.3'	S 17°24.8'	81°47.9'	S 22°19.9'	96°36.3'	S 23°07.8'
14	14°03.7'	S 0°51.3'	144°05.7'	S 17°24.8'	96°50.2'	S 22°19.9'	111°37.2'	S 23°07.9'
15	29°03.4'	S 0°50.0'	159°08.2'	S 17°24.8'	111°52.5'	S 22°19.9'	126°38.1'	S 23°08.0'
16	44°03.0'	S 0°48.8'	174°10.6'	S 17°24.8'	126°54.8'	S 22°19.9'	141°39.0'	S 23°08.1'
17	59°02.6'	S 0°47.5'	189°13.1'	S 17°24.8'	141°57.1'	S 22°19.9'	156°39.8'	S 23°08.3'
18	74°02.3'	S 0°46.2'	204°15.5'	S 17°24.8'	156°59.4'	S 22°19.9'	171°40.7'	S 23°08.4'
19	89°01.9'	S 0°44.9'	219°18.0'	S 17°24.8'	172°01.7'	S 22°19.9'	186°41.6'	S 23°08.5'
20	104°01.5'	S 0°43.6'	234°20.4'	S 17°24.8'	187°04.0'	S 22°19.9'	201°42.4'	S 23°08.6'
21	119°01.2'	S 0°42.3'	249°22.9'	S 17°24.8'	202°06.3'	S 22°19.9'	216°43.3'	S 23°08.7'
22	134°00.8'	S 0°41.0'	264°25.4'	S 17°24.8'	217°08.5'	S 22°19.9'	231°44.2'	S 23°08.8'
23	149°00.4'	S 0°39.8'	279°27.8'	S 17°24.8'	232°10.8'	S 22°19.8'	246°45.1'	S 23°08.9'

Thu Mar 8, 2018 UTC

UTC	Venus -3.8		Jupiter -2.1		Saturn +0.6		Mars +0.7	
	v = -0.4' d = 1.3'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	164°00.1'	S 0°38.5'	294°30.3'	S 17°24.8'	247°13.1'	S 22°19.8'	261°45.9'	S 23°09.0'
1	178°59.7'	S 0°37.2'	309°32.7'	S 17°24.8'	262°15.4'	S 22°19.8'	276°46.8'	S 23°09.1'
2	193°59.3'	S 0°35.9'	324°35.2'	S 17°24.8'	277°17.7'	S 22°19.8'	291°47.7'	S 23°09.2'
3	208°59.0'	S 0°34.6'	339°37.6'	S 17°24.8'	292°20.0'	S 22°19.8'	306°48.6'	S 23°09.3'
4	223°58.6'	S 0°33.3'	354°40.1'	S 17°24.8'	307°22.3'	S 22°19.8'	321°49.4'	S 23°09.4'
5	238°58.2'	S 0°32.0'	9°42.5'	S 17°24.8'	322°24.6'	S 22°19.8'	336°50.3'	S 23°09.5'
6	253°57.9'	S 0°30.8'	24°45.0'	S 17°24.7'	337°26.9'	S 22°19.8'	351°51.2'	S 23°09.6'
7	268°57.5'	S 0°29.5'	39°47.4'	S 17°24.7'	352°29.2'	S 22°19.8'	6°52.1'	S 23°09.7'
8	283°57.1'	S 0°28.2'	54°49.9'	S 17°24.7'	7°31.5'	S 22°19.8'	21°52.9'	S 23°09.8'
9	298°56.8'	S 0°26.9'	69°52.3'	S 17°24.7'	22°33.8'	S 22°19.8'	36°53.8'	S 23°09.9'
10	313°56.4'	S 0°25.6'	84°54.8'	S 17°24.7'	37°36.0'	S 22°19.7'	51°54.7'	S 23°10.0'
11	328°56.0'	S 0°24.3'	99°57.3'	S 17°24.7'	52°38.3'	S 22°19.7'	66°55.6'	S 23°10.2'
12	343°55.7'	S 0°23.0'	114°59.7'	S 17°24.7'	67°40.6'	S 22°19.7'	81°56.5'	S 23°10.3'
13	358°55.3'	S 0°21.8'	130°02.2'	S 17°24.7'	82°42.9'	S 22°19.7'	96°57.3'	S 23°10.4'
14	13°54.9'	S 0°20.5'	145°04.6'	S 17°24.7'	97°45.2'	S 22°19.7'	111°58.2'	S 23°10.5'
15	28°54.6'	S 0°19.2'	160°07.1'	S 17°24.7'	112°47.5'	S 22°19.7'	126°59.1'	S 23°10.6'
16	43°54.2'	S 0°17.9'	175°09.5'	S 17°24.7'	127°49.8'	S 22°19.7'	141°60.0'	S 23°10.7'
17	58°53.8'	S 0°16.6'	190°12.0'	S 17°24.7'	142°52.1'	S 22°19.7'	157°00.8'	S 23°10.8'
18	73°53.5'	S 0°15.3'	205°14.5'	S 17°24.7'	157°54.4'	S 22°19.7'	172°01.7'	S 23°10.9'
19	88°53.1'	S 0°14.0'	220°16.9'	S 17°24.7'	172°56.7'	S 22°19.7'	187°02.6'	S 23°11.0'
20	103°52.7'	S 0°12.8'	235°19.4'	S 17°24.7'	187°59.0'	S 22°19.6'	202°03.5'	S 23°11.1'
21	118°52.4'	S 0°11.5'	250°21.8'	S 17°24.7'	203°01.3'	S 22°19.6'	217°04.3'	S 23°11.2'
22	133°52.0'	S 0°10.2'	265°24.3'	S 17°24.7'	218°03.6'	S 22°19.6'	232°05.2'	S 23°11.3'
23	148°51.6'	S 0°08.9'	280°26.8'	S 17°24.7'	233°05.9'	S 22°19.6'	247°06.1'	S 23°11.4'

Fri Mar 9, 2018 UTC

UTC	Venus -3.8		Jupiter -2.1		Saturn +0.6		Mars +0.7	
	v = -0.4' d = 1.3'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	163°51.3'	S 0°07.6'	295°29.2'	S 17°24.7'	248°08.2'	S 22°19.6'	262°07.0'	S 23°11.5'
1	178°50.9'	S 0°06.3'	310°31.7'	S 17°24.7'	263°10.5'	S 22°19.6'	277°07.8'	S 23°11.6'
2	193°50.5'	S 0°05.0'	325°34.1'	S 17°24.6'	278°12.8'	S 22°19.6'	292°08.7'	S 23°11.7'
3	208°50.2'	S 0°03.7'	340°36.6'	S 17°24.6'	293°15.1'	S 22°19.6'	307°09.6'	S 23°11.8'
4	223°49.8'	S 0°02.5'	355°39.1'	S 17°24.6'	308°17.3'	S 22°19.6'	322°10.5'	S 23°11.9'
5	238°49.4'	S 0°01.2'	10°41.5'	S 17°24.6'	323°19.6'	S 22°19.6'	337°11.4'	S 23°12.0'
6	253°49.1'	N 0°00.1'	25°44.0'	S 17°24.6'	338°21.9'	S 22°19.5'	352°12.2'	S 23°12.1'
7	268°48.7'	N 0°01.4'	40°46.5'	S 17°24.6'	353°24.2'	S 22°19.5'	7°13.1'	S 23°12.2'
8	283°48.3'	N 0°02.7'	55°48.9'	S 17°24.6'	8°26.5'	S 22°19.5'	22°14.0'	S 23°12.3'
9	298°48.0'	N 0°04.0'	70°51.4'	S 17°24.6'	23°28.8'	S 22°19.5'	37°14.9'	S 23°12.4'
10	313°47.6'	N 0°05.3'	85°53.8'	S 17°24.6'	38°31.1'	S 22°19.5'	52°15.7'	S 23°12.5'
11	328°47.2'	N 0°06.5'	100°56.3'	S 17°24.6'	53°33.4'	S 22°19.5'	67°16.6'	S 23°12.6'
12	343°46.9'	N 0°07.8'	115°58.8'	S 17°24.6'	68°35.7'	S 22°19.5'	82°17.5'	S 23°12.7'
13	358°46.5'	N 0°09.1'	131°01.2'	S 17°24.6'	83°38.0'	S 22°19.5'	97°18.4'	S 23°12.8'
14	13°46.1'	N 0°10.4'	146°03.7'	S 17°24.6'	98°40.3'	S 22°19.5'	112°19.3'	S 23°12.9'
15	28°45.8'	N 0°11.7'	161°06.2'	S 17°24.6'	113°42.6'	S 22°19.5'	127°20.1'	S 23°13.0'
16	43°45.4'	N 0°13.0'	176°08.6'	S 17°24.6'	128°44.9'	S 22°19.5'	142°21.0'	S 23°13.0'
17	58°45.0'	N 0°14.3'	191°11.1'	S 17°24.6'	143°47.2'	S 22°19.4'	157°21.9'	S 23°13.1'
18	73°44.7'	N 0°15.6'	206°13.6'	S 17°24.5'	158°49.5'	S 22°19.4'	172°22.8'	S 23°13.2'
19	88°44.3'	N 0°16.8'	221°16.0'	S 17°24.5'	173°51.8'	S 22°19.4'	187°23.6'	S 23°13.3'
20	103°43.9'	N 0°18.1'	236°18.5'	S 17°24.5'	188°54.1'	S 22°19.4'	202°24.5'	S 23°13.4'
21	118°43.6'	N 0°19.4'	251°21.0'	S 17°24.5'	203°56.4'	S 22°19.4'	217°25.4'	S 23°13.5'
22	133°43.2'	N 0°20.7'	266°23.4'	S 17°24.5'	218°58.7'	S 22°19.4'	232°26.3'	S 23°13.6'
23	148°42.8'	N 0°22.0'	281°25.9'	S 17°24.5'	234°01.0'	S 22°19.4'	247°27.2'	S 23°13.7'

Sat Mar 10, 2018 UTC

UTC	Venus -3.8		Jupiter -2.1		Saturn +0.6		Mars +0.7	
	v = -0.4' d = 1.3'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	163°42.5'	N 0°23.3'	296°28.4'	S 17°24.5'	249°03.3'	S 22°19.4'	262°28.0'	S 23°13.8'
1	178°42.1'	N 0°24.6'	311°30.8'	S 17°24.5'	264°05.6'	S 22°19.4'	277°28.9'	S 23°13.9'
2	193°41.7'	N 0°25.9'	326°33.3'	S 17°24.5'	279°07.9'	S 22°19.4'	292°29.8'	S 23°14.0'
3	208°41.4'	N 0°27.1'	341°35.8'	S 17°24.5'	294°10.2'	S 22°19.4'	307°30.7'	S 23°14.1'
4	223°41.0'	N 0°28.4'	356°38.3'	S 17°24.5'	309°12.5'	S 22°19.3'	322°31.6'	S 23°14.2'
5	238°40.7'	N 0°29.7'	11°40.7'	S 17°24.5'	324°14.8'	S 22°19.3'	337°32.4'	S 23°14.3'
6	253°40.3'	N 0°31.0'	26°43.2'	S 17°24.5'	339°17.1'	S 22°19.3'	352°33.3'	S 23°14.4'
7	268°39.9'	N 0°32.3'	41°45.7'	S 17°24.4'	354°19.4'	S 22°19.3'	7°34.2'	S 23°14.5'
8	283°39.6'	N 0°33.6'	56°48.1'	S 17°24.4'	9°21.7'	S 22°19.3'	22°35.1'	S 23°14.6'
9	298°39.2'	N 0°34.9'	71°50.6'	S 17°24.4'	24°24.0'	S 22°19.3'	37°36.0'	S 23°14.7'
10	313°38.8'	N 0°36.1'	86°53.1'	S 17°24.4'	39°26.3'	S 22°19.3'	52°36.8'	S 23°14.7'
11	328°38.5'	N 0°37.4'	101°55.6'	S 17°24.4'	54°28.6'	S 22°19.3'	67°37.7'	S 23°14.8'
12	343°38.1'	N 0°38.7'	116°58.0'	S 17°24.4'	69°30.9'	S 22°19.3'	82°38.6'	S 23°14.9'
13	358°37.7'	N 0°40.0'	132°00.5'	S 17°24.4'	84°33.2'	S 22°19.3'	97°39.5'	S 23°15.0'
14	13°37.4'	N 0°41.3'	147°03.0'	S 17°24.4'	99°35.5'	S 22°19.2'	112°40.4'	S 23°15.1'
15	28°37.0'	N 0°42.6'	162°05.5'	S 17°24.4'	114°37.8'	S 22°19.2'	127°41.2'	S 23°15.2'
16	43°36.6'	N 0°43.9'	177°07.9'	S 17°24.4'	129°40.1'	S 22°19.2'	142°42.1'	S 23°15.3'
17	58°36.3'	N 0°45.2'	192°10.4'	S 17°24.4'	144°42.4'	S 22°19.2'	157°43.0'	S 23°15.4'
18	73°35.9'	N 0°46.4'	207°12.9'	S 17°24.3'	159°44.7'	S 22°19.2'	172°43.9'	S 23°15.5'
19	88°35.5'	N 0°47.7'	222°15.3'	S 17°24.3'	174°47.0'	S 22°19.2'	187°44.8'	S 23°15.6'
20	103°35.2'	N 0°49.0'	237°17.8'	S 17°24.3'	189°49.3'	S 22°19.2'	202°45.6'	S 23°15.7'
21	118°34.8'	N 0°50.3'	252°20.3'	S 17°24.3'	204°51.6'	S 22°19.2'	217°46.5'	S 23°15.7'
22	133°34.5'	N 0°51.6'	267°22.8'	S 17°24.3'	219°53.9'	S 22°19.2'	232°47.4'	S 23°15.8'
23	148°34.1'	N 0°52.9'	282°25.3'	S 17°24.3'	234°56.2'	S 22°19.2'	247°48.3'	S 23°15.9'

Sun Mar 11, 2018 UTC

UTC	Venus -3.8		Jupiter -2.1		Saturn +0.6		Mars +0.7	
	v = -0.4' d = 1.3'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	163°33.7'	N 0°54.2'	297°27.7'	S 17°24.3'	249°58.5'	S 22°19.2'	262°49.2'	S 23°16.0'
1	178°33.4'	N 0°55.5'	312°30.2'	S 17°24.3'	265°00.8'	S 22°19.1'	277°50.0'	S 23°16.1'
2	193°33.0'	N 0°56.7'	327°32.7'	S 17°24.3'	280°03.1'	S 22°19.1'	292°50.9'	S 23°16.2'
3	208°32.6'	N 0°58.0'	342°35.2'	S 17°24.3'	295°05.4'	S 22°19.1'	307°51.8'	S 23°16.3'
4	223°32.3'	N 0°59.3'	357°37.6'	S 17°24.3'	310°07.7'	S 22°19.1'	322°52.7'	S 23°16.4'
5	238°31.9'	N 1°00.6'	12°40.1'	S 17°24.2'	325°10.0'	S 22°19.1'	337°53.6'	S 23°16.5'
6	253°31.5'	N 1°01.9'	27°42.6'	S 17°24.2'	340°12.3'	S 22°19.1'	352°54.5'	S 23°16.5'
7	268°31.2'	N 1°03.2'	42°45.1'	S 17°24.2'	355°14.6'	S 22°19.1'	7°55.3'	S 23°16.6'
8	283°30.8'	N 1°04.5'	57°47.6'	S 17°24.2'	10°16.9'	S 22°19.1'	22°56.2'	S 23°16.7'
9	298°30.4'	N 1°05.7'	72°50.0'	S 17°24.2'	25°19.3'	S 22°19.1'	37°57.1'	S 23°16.8'
10	313°30.1'	N 1°07.0'	87°52.5'	S 17°24.2'	40°21.6'	S 22°19.1'	52°58.0'	S 23°16.9'
11	328°29.7'	N 1°08.3'	102°55.0'	S 17°24.2'	55°23.9'	S 22°19.1'	67°58.9'	S 23°17.0'
12	343°29.4'	N 1°09.6'	117°57.5'	S 17°24.2'	70°26.2'	S 22°19.0'	82°59.7'	S 23°17.1'
13	358°29.0'	N 1°10.9'	132°60.0'	S 17°24.2'	85°28.5'	S 22°19.0'	98°00.6'	S 23°17.1'
14	13°28.6'	N 1°12.2'	148°02.4'	S 17°24.2'	100°30.8'	S 22°19.0'	113°01.5'	S 23°17.2'
15	28°28.3'	N 1°13.5'	163°04.9'	S 17°24.1'	115°33.1'	S 22°19.0'	128°02.4'	S 23°17.3'
16	43°27.9'	N 1°14.8'	178°07.4'	S 17°24.1'	130°35.4'	S 22°19.0'	143°03.3'	S 23°17.4'
17	58°27.5'	N 1°16.0'	193°09.9'	S 17°24.1'	145°37.7'	S 22°19.0'	158°04.2'	S 23°17.5'
18	73°27.2'	N 1°17.3'	208°12.4'	S 17°24.1'	160°40.0'	S 22°19.0'	173°05.0'	S 23°17.6'
19	88°26.8'	N 1°18.6'	223°14.9'	S 17°24.1'	175°42.3'	S 22°19.0'	188°05.9'	S 23°17.7'
20	103°26.4'	N 1°19.9'	238°17.3'	S 17°24.1'	190°44.6'	S 22°19.0'	203°06.8'	S 23°17.7'
21	118°26.1'	N 1°21.2'	253°19.8'	S 17°24.1'	205°46.9'	S 22°19.0'	218°07.7'	S 23°17.8'
22	133°25.7'	N 1°22.5'	268°22.3'	S 17°24.1'	220°49.2'	S 22°18.9'	233°08.6'	S 23°17.9'
23	148°25.3'	N 1°23.8'	283°24.8'	S 17°24.1'	235°51.5'	S 22°18.9'	248°09.5'	S 23°18.0'

Mon Mar 12, 2018 UTC

UTC	Venus -3.8		Jupiter -2.1		Saturn +0.6		Mars +0.6	
	v = -0.4' d = 1.3'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	163°25.0'	N 1°25.0'	298°27.3'	S 17°24.0'	250°53.8'	S 22°18.9'	263°10.3'	S 23°18.1'
1	178°24.6'	N 1°26.3'	313°29.8'	S 17°24.0'	265°56.1'	S 22°18.9'	278°11.2'	S 23°18.2'
2	193°24.3'	N 1°27.6'	328°32.2'	S 17°24.0'	280°58.4'	S 22°18.9'	293°12.1'	S 23°18.2'
3	208°23.9'	N 1°28.9'	343°34.7'	S 17°24.0'	296°00.8'	S 22°18.9'	308°13.0'	S 23°18.3'
4	223°23.5'	N 1°30.2'	358°37.2'	S 17°24.0'	311°03.1'	S 22°18.9'	323°13.9'	S 23°18.4'
5	238°23.2'	N 1°31.5'	13°39.7'	S 17°24.0'	326°05.4'	S 22°18.9'	338°14.8'	S 23°18.5'
6	253°22.8'	N 1°32.8'	28°42.2'	S 17°24.0'	341°07.7'	S 22°18.9'	353°15.6'	S 23°18.6'
7	268°22.4'	N 1°34.1'	43°44.7'	S 17°24.0'	356°10.0'	S 22°18.9'	8°16.5'	S 23°18.6'
8	283°22.1'	N 1°35.3'	58°47.2'	S 17°23.9'	11°12.3'	S 22°18.9'	23°17.4'	S 23°18.7'
9	298°21.7'	N 1°36.6'	73°49.6'	S 17°23.9'	26°14.6'	S 22°18.8'	38°18.3'	S 23°18.8'
10	313°21.3'	N 1°37.9'	88°52.1'	S 17°23.9'	41°16.9'	S 22°18.8'	53°19.2'	S 23°18.9'
11	328°21.0'	N 1°39.2'	103°54.6'	S 17°23.9'	56°19.2'	S 22°18.8'	68°20.1'	S 23°19.0'
12	343°20.6'	N 1°40.5'	118°57.1'	S 17°23.9'	71°21.5'	S 22°18.8'	83°21.0'	S 23°19.0'
13	358°20.2'	N 1°41.8'	133°59.6'	S 17°23.9'	86°23.8'	S 22°18.8'	98°21.8'	S 23°19.1'
14	13°19.9'	N 1°43.1'	149°02.1'	S 17°23.9'	101°26.1'	S 22°18.8'	113°22.7'	S 23°19.2'
15	28°19.5'	N 1°44.3'	164°04.6'	S 17°23.9'	116°28.4'	S 22°18.8'	128°23.6'	S 23°19.3'
16	43°19.2'	N 1°45.6'	179°07.1'	S 17°23.8'	131°30.8'	S 22°18.8'	143°24.5'	S 23°19.4'
17	58°18.8'	N 1°46.9'	194°09.6'	S 17°23.8'	146°33.1'	S 22°18.8'	158°25.4'	S 23°19.4'
18	73°18.4'	N 1°48.2'	209°12.1'	S 17°23.8'	161°35.4'	S 22°18.8'	173°26.3'	S 23°19.5'
19	88°18.1'	N 1°49.5'	224°14.5'	S 17°23.8'	176°37.7'	S 22°18.8'	188°27.2'	S 23°19.6'
20	103°17.7'	N 1°50.8'	239°17.0'	S 17°23.8'	191°40.0'	S 22°18.7'	203°28.0'	S 23°19.7'
21	118°17.3'	N 1°52.1'	254°19.5'	S 17°23.8'	206°42.3'	S 22°18.7'	218°28.9'	S 23°19.8'
22	133°17.0'	N 1°53.3'	269°22.0'	S 17°23.8'	221°44.6'	S 22°18.7'	233°29.8'	S 23°19.8'
23	148°16.6'	N 1°54.6'	284°24.5'	S 17°23.8'	236°46.9'	S 22°18.7'	248°30.7'	S 23°19.9'

Tue Mar 13, 2018 UTC

UTC	Venus -3.8 v = -0.4' d = 1.3'		Jupiter -2.1 v = 2.5' d = 0.0'		Saturn +0.6 v = 2.3' d = 0.0'		Mars +0.6 v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	163°16.2'	N 1°55.9'	299°27.0'	S 17°23.7'	251°49.2'	S 22°18.7'	263°31.6'	S 23°20.0'
1	178°15.9'	N 1°57.2'	314°29.5'	S 17°23.7'	266°51.5'	S 22°18.7'	278°32.5'	S 23°20.1'
2	193°15.5'	N 1°58.5'	329°32.0'	S 17°23.7'	281°53.9'	S 22°18.7'	293°33.4'	S 23°20.1'
3	208°15.1'	N 1°59.8'	344°34.5'	S 17°23.7'	296°56.2'	S 22°18.7'	308°34.2'	S 23°20.2'
4	223°14.8'	N 2°01.0'	359°37.0'	S 17°23.7'	311°58.5'	S 22°18.7'	323°35.1'	S 23°20.3'
5	238°14.4'	N 2°02.3'	14°39.5'	S 17°23.7'	327°00.8'	S 22°18.7'	338°36.0'	S 23°20.4'
6	253°14.1'	N 2°03.6'	29°42.0'	S 17°23.7'	342°03.1'	S 22°18.7'	353°36.9'	S 23°20.5'
7	268°13.7'	N 2°04.9'	44°44.5'	S 17°23.6'	357°05.4'	S 22°18.6'	8°37.8'	S 23°20.5'
8	283°13.3'	N 2°06.2'	59°47.0'	S 17°23.6'	12°07.7'	S 22°18.6'	23°38.7'	S 23°20.6'
9	298°13.0'	N 2°07.5'	74°49.5'	S 17°23.6'	27°10.0'	S 22°18.6'	38°39.6'	S 23°20.7'
10	313°12.6'	N 2°08.8'	89°52.0'	S 17°23.6'	42°12.3'	S 22°18.6'	53°40.5'	S 23°20.8'
11	328°12.2'	N 2°10.0'	104°54.4'	S 17°23.6'	57°14.7'	S 22°18.6'	68°41.3'	S 23°20.8'
12	343°11.9'	N 2°11.3'	119°56.9'	S 17°23.6'	72°17.0'	S 22°18.6'	83°42.2'	S 23°20.9'
13	358°11.5'	N 2°12.6'	134°59.4'	S 17°23.6'	87°19.3'	S 22°18.6'	98°43.1'	S 23°21.0'
14	13°11.1'	N 2°13.9'	150°01.9'	S 17°23.5'	102°21.6'	S 22°18.6'	113°44.0'	S 23°21.1'
15	28°10.8'	N 2°15.2'	165°04.4'	S 17°23.5'	117°23.9'	S 22°18.6'	128°44.9'	S 23°21.1'
16	43°10.4'	N 2°16.5'	180°06.9'	S 17°23.5'	132°26.2'	S 22°18.6'	143°45.8'	S 23°21.2'
17	58°10.0'	N 2°17.7'	195°09.4'	S 17°23.5'	147°28.5'	S 22°18.6'	158°46.7'	S 23°21.3'
18	73°09.7'	N 2°19.0'	210°11.9'	S 17°23.5'	162°30.8'	S 22°18.6'	173°47.6'	S 23°21.3'
19	88°09.3'	N 2°20.3'	225°14.4'	S 17°23.5'	177°33.2'	S 22°18.5'	188°48.5'	S 23°21.4'
20	103°08.9'	N 2°21.6'	240°16.9'	S 17°23.5'	192°35.5'	S 22°18.5'	203°49.3'	S 23°21.5'
21	118°08.6'	N 2°22.9'	255°19.4'	S 17°23.4'	207°37.8'	S 22°18.5'	218°50.2'	S 23°21.6'
22	133°08.2'	N 2°24.2'	270°21.9'	S 17°23.4'	222°40.1'	S 22°18.5'	233°51.1'	S 23°21.6'
23	148°07.9'	N 2°25.5'	285°24.4'	S 17°23.4'	237°42.4'	S 22°18.5'	248°52.0'	S 23°21.7'

Wed Mar 14, 2018 UTC

UTC	Venus -3.8 v = -0.4' d = 1.3'		Jupiter -2.1 v = 2.5' d = 0.0'		Saturn +0.5 v = 2.3' d = 0.0'		Mars +0.6 v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	163°07.5'	N 2°26.7'	300°26.9'	S 17°23.4'	252°44.7'	S 22°18.5'	263°52.9'	S 23°21.8'
1	178°07.1'	N 2°28.0'	315°29.4'	S 17°23.4'	267°47.0'	S 22°18.5'	278°53.8'	S 23°21.9'
2	193°06.8'	N 2°29.3'	330°31.9'	S 17°23.4'	282°49.4'	S 22°18.5'	293°54.7'	S 23°21.9'
3	208°06.4'	N 2°30.6'	345°34.4'	S 17°23.4'	297°51.7'	S 22°18.5'	308°55.6'	S 23°22.0'
4	223°06.0'	N 2°31.9'	0°36.9'	S 17°23.3'	312°54.0'	S 22°18.5'	323°56.5'	S 23°22.1'
5	238°05.7'	N 2°33.2'	15°39.4'	S 17°23.3'	327°56.3'	S 22°18.5'	338°57.3'	S 23°22.1'
6	253°05.3'	N 2°34.4'	30°41.9'	S 17°23.3'	342°58.6'	S 22°18.4'	353°58.2'	S 23°22.2'
7	268°04.9'	N 2°35.7'	45°44.4'	S 17°23.3'	358°00.9'	S 22°18.4'	8°59.1'	S 23°22.3'
8	283°04.6'	N 2°37.0'	60°46.9'	S 17°23.3'	13°03.3'	S 22°18.4'	24°00.0'	S 23°22.3'
9	298°04.2'	N 2°38.3'	75°49.5'	S 17°23.3'	28°05.6'	S 22°18.4'	39°00.9'	S 23°22.4'
10	313°03.8'	N 2°39.6'	90°52.0'	S 17°23.2'	43°07.9'	S 22°18.4'	54°01.8'	S 23°22.5'
11	328°03.5'	N 2°40.8'	105°54.5'	S 17°23.2'	58°10.2'	S 22°18.4'	69°02.7'	S 23°22.6'
12	343°03.1'	N 2°42.1'	120°57.0'	S 17°23.2'	73°12.5'	S 22°18.4'	84°03.6'	S 23°22.6'
13	358°02.7'	N 2°43.4'	135°59.5'	S 17°23.2'	88°14.8'	S 22°18.4'	99°04.5'	S 23°22.7'
14	13°02.4'	N 2°44.7'	151°02.0'	S 17°23.2'	103°17.1'	S 22°18.4'	114°05.4'	S 23°22.8'
15	28°02.0'	N 2°46.0'	166°04.5'	S 17°23.2'	118°19.5'	S 22°18.4'	129°06.3'	S 23°22.8'
16	43°01.6'	N 2°47.3'	181°07.0'	S 17°23.1'	133°21.8'	S 22°18.4'	144°07.1'	S 23°22.9'
17	58°01.3'	N 2°48.5'	196°09.5'	S 17°23.1'	148°24.1'	S 22°18.3'	159°08.0'	S 23°23.0'
18	73°00.9'	N 2°49.8'	211°12.0'	S 17°23.1'	163°26.4'	S 22°18.3'	174°08.9'	S 23°23.0'
19	88°00.5'	N 2°51.1'	226°14.5'	S 17°23.1'	178°28.7'	S 22°18.3'	189°09.8'	S 23°23.1'
20	103°00.2'	N 2°52.4'	241°17.0'	S 17°23.1'	193°31.1'	S 22°18.3'	204°10.7'	S 23°23.2'
21	117°59.8'	N 2°53.7'	256°19.5'	S 17°23.1'	208°33.4'	S 22°18.3'	219°11.6'	S 23°23.2'
22	132°59.5'	N 2°55.0'	271°22.0'	S 17°23.0'	223°35.7'	S 22°18.3'	234°12.5'	S 23°23.3'
23	147°59.1'	N 2°56.2'	286°24.5'	S 17°23.0'	238°38.0'	S 22°18.3'	249°13.4'	S 23°23.4'

Thu Mar 15, 2018 UTC

UTC	Venus -3.8		Jupiter -2.1		Saturn +0.5		Mars +0.6	
	v = -0.4' d = 1.3'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	162°58.7'	N 2°57.5'	301°27.0'	S 17°23.0'	253°40.3'	S 22°18.3'	264°14.3'	S 23°23.4'
1	177°58.4'	N 2°58.8'	316°29.6'	S 17°23.0'	268°42.6'	S 22°18.3'	279°15.2'	S 23°23.5'
2	192°58.0'	N 3°00.1'	331°32.1'	S 17°23.0'	283°45.0'	S 22°18.3'	294°16.1'	S 23°23.6'
3	207°57.6'	N 3°01.4'	346°34.6'	S 17°23.0'	298°47.3'	S 22°18.3'	309°17.0'	S 23°23.6'
4	222°57.3'	N 3°02.6'	1°37.1'	S 17°22.9'	313°49.6'	S 22°18.3'	324°17.8'	S 23°23.7'
5	237°56.9'	N 3°03.9'	16°39.6'	S 17°22.9'	328°51.9'	S 22°18.2'	339°18.7'	S 23°23.8'
6	252°56.5'	N 3°05.2'	31°42.1'	S 17°22.9'	343°54.2'	S 22°18.2'	354°19.6'	S 23°23.8'
7	267°56.2'	N 3°06.5'	46°44.6'	S 17°22.9'	358°56.6'	S 22°18.2'	9°20.5'	S 23°23.9'
8	282°55.8'	N 3°07.8'	61°47.1'	S 17°22.9'	13°58.9'	S 22°18.2'	24°21.4'	S 23°24.0'
9	297°55.4'	N 3°09.0'	76°49.6'	S 17°22.8'	29°01.2'	S 22°18.2'	39°22.3'	S 23°24.0'
10	312°55.1'	N 3°10.3'	91°52.2'	S 17°22.8'	44°03.5'	S 22°18.2'	54°23.2'	S 23°24.1'
11	327°54.7'	N 3°11.6'	106°54.7'	S 17°22.8'	59°05.8'	S 22°18.2'	69°24.1'	S 23°24.1'
12	342°54.3'	N 3°12.9'	121°57.2'	S 17°22.8'	74°08.2'	S 22°18.2'	84°25.0'	S 23°24.2'
13	357°54.0'	N 3°14.2'	136°59.7'	S 17°22.8'	89°10.5'	S 22°18.2'	99°25.9'	S 23°24.3'
14	12°53.6'	N 3°15.4'	152°02.2'	S 17°22.8'	104°12.8'	S 22°18.2'	114°26.8'	S 23°24.3'
15	27°53.2'	N 3°16.7'	167°04.7'	S 17°22.7'	119°15.1'	S 22°18.2'	129°27.7'	S 23°24.4'
16	42°52.9'	N 3°18.0'	182°07.2'	S 17°22.7'	134°17.4'	S 22°18.1'	144°28.6'	S 23°24.5'
17	57°52.5'	N 3°19.3'	197°09.7'	S 17°22.7'	149°19.8'	S 22°18.1'	159°29.5'	S 23°24.5'
18	72°52.1'	N 3°20.6'	212°12.3'	S 17°22.7'	164°22.1'	S 22°18.1'	174°30.4'	S 23°24.6'
19	87°51.8'	N 3°21.8'	227°14.8'	S 17°22.7'	179°24.4'	S 22°18.1'	189°31.3'	S 23°24.6'
20	102°51.4'	N 3°23.1'	242°17.3'	S 17°22.6'	194°26.7'	S 22°18.1'	204°32.1'	S 23°24.7'
21	117°51.0'	N 3°24.4'	257°19.8'	S 17°22.6'	209°29.0'	S 22°18.1'	219°33.0'	S 23°24.8'
22	132°50.7'	N 3°25.7'	272°22.3'	S 17°22.6'	224°31.4'	S 22°18.1'	234°33.9'	S 23°24.8'
23	147°50.3'	N 3°27.0'	287°24.8'	S 17°22.6'	239°33.7'	S 22°18.1'	249°34.8'	S 23°24.9'

Fri Mar 16, 2018 UTC

UTC	Venus -3.8		Jupiter -2.1		Saturn +0.5		Mars +0.6	
	v = -0.4' d = 1.3'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	162°49.9'	N 3°28.2'	302°27.4'	S 17°22.6'	254°36.0'	S 22°18.1'	264°35.7'	S 23°24.9'
1	177°49.6'	N 3°29.5'	317°29.9'	S 17°22.6'	269°38.3'	S 22°18.1'	279°36.6'	S 23°25.0'
2	192°49.2'	N 3°30.8'	332°32.4'	S 17°22.5'	284°40.7'	S 22°18.1'	294°37.5'	S 23°25.1'
3	207°48.8'	N 3°32.1'	347°34.9'	S 17°22.5'	299°43.0'	S 22°18.1'	309°38.4'	S 23°25.1'
4	222°48.4'	N 3°33.4'	2°37.4'	S 17°22.5'	314°45.3'	S 22°18.0'	324°39.3'	S 23°25.2'
5	237°48.1'	N 3°34.6'	17°39.9'	S 17°22.5'	329°47.6'	S 22°18.0'	339°40.2'	S 23°25.2'
6	252°47.7'	N 3°35.9'	32°42.5'	S 17°22.5'	344°49.9'	S 22°18.0'	354°41.1'	S 23°25.3'
7	267°47.3'	N 3°37.2'	47°45.0'	S 17°22.4'	359°52.3'	S 22°18.0'	9°42.0'	S 23°25.4'
8	282°47.0'	N 3°38.5'	62°47.5'	S 17°22.4'	14°54.6'	S 22°18.0'	24°42.9'	S 23°25.4'
9	297°46.6'	N 3°39.7'	77°50.0'	S 17°22.4'	29°56.9'	S 22°18.0'	39°43.8'	S 23°25.5'
10	312°46.2'	N 3°41.0'	92°52.5'	S 17°22.4'	44°59.2'	S 22°18.0'	54°44.7'	S 23°25.5'
11	327°45.9'	N 3°42.3'	107°55.1'	S 17°22.4'	60°01.6'	S 22°18.0'	69°45.6'	S 23°25.6'
12	342°45.5'	N 3°43.6'	122°57.6'	S 17°22.3'	75°03.9'	S 22°18.0'	84°46.5'	S 23°25.7'
13	357°45.1'	N 3°44.9'	138°00.1'	S 17°22.3'	90°06.2'	S 22°18.0'	99°47.4'	S 23°25.7'
14	12°44.8'	N 3°46.1'	153°02.6'	S 17°22.3'	105°08.5'	S 22°18.0'	114°48.3'	S 23°25.8'
15	27°44.4'	N 3°47.4'	168°05.1'	S 17°22.3'	120°10.9'	S 22°17.9'	129°49.2'	S 23°25.8'
16	42°44.0'	N 3°48.7'	183°07.7'	S 17°22.3'	135°13.2'	S 22°17.9'	144°50.1'	S 23°25.9'
17	57°43.7'	N 3°50.0'	198°10.2'	S 17°22.2'	150°15.5'	S 22°17.9'	159°51.0'	S 23°25.9'
18	72°43.3'	N 3°51.2'	213°12.7'	S 17°22.2'	165°17.8'	S 22°17.9'	174°51.9'	S 23°26.0'
19	87°42.9'	N 3°52.5'	228°15.2'	S 17°22.2'	180°20.2'	S 22°17.9'	189°52.8'	S 23°26.1'
20	102°42.6'	N 3°53.8'	243°17.8'	S 17°22.2'	195°22.5'	S 22°17.9'	204°53.7'	S 23°26.1'
21	117°42.2'	N 3°55.1'	258°20.3'	S 17°22.2'	210°24.8'	S 22°17.9'	219°54.6'	S 23°26.2'
22	132°41.8'	N 3°56.3'	273°22.8'	S 17°22.1'	225°27.1'	S 22°17.9'	234°55.5'	S 23°26.2'
23	147°41.4'	N 3°57.6'	288°25.3'	S 17°22.1'	240°29.5'	S 22°17.9'	249°56.4'	S 23°26.3'

Sat Mar 17, 2018 UTC

UTC	Venus -3.8		Jupiter -2.1		Saturn +0.5		Mars +0.6	
	v = -0.4' d = 1.3'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	162°41.1'	N 3°58.9'	303°27.9'	S 17°22.1'	255°31.8'	S 22°17.9'	264°57.3'	S 23°26.3'
1	177°40.7'	N 4°00.2'	318°30.4'	S 17°22.1'	270°34.1'	S 22°17.9'	279°58.2'	S 23°26.4'
2	192°40.3'	N 4°01.4'	333°32.9'	S 17°22.0'	285°36.4'	S 22°17.9'	294°59.1'	S 23°26.4'
3	207°40.0'	N 4°02.7'	348°35.4'	S 17°22.0'	300°38.8'	S 22°17.8'	309°60.0'	S 23°26.5'
4	222°39.6'	N 4°04.0'	3°38.0'	S 17°22.0'	315°41.1'	S 22°17.8'	325°00.9'	S 23°26.6'
5	237°39.2'	N 4°05.3'	18°40.5'	S 17°22.0'	330°43.4'	S 22°17.8'	340°01.8'	S 23°26.6'
6	252°38.9'	N 4°06.5'	33°43.0'	S 17°22.0'	345°45.7'	S 22°17.8'	355°02.7'	S 23°26.7'
7	267°38.5'	N 4°07.8'	48°45.5'	S 17°21.9'	0°48.1'	S 22°17.8'	10°03.6'	S 23°26.7'
8	282°38.1'	N 4°09.1'	63°48.1'	S 17°21.9'	15°50.4'	S 22°17.8'	25°04.5'	S 23°26.8'
9	297°37.7'	N 4°10.4'	78°50.6'	S 17°21.9'	30°52.7'	S 22°17.8'	40°05.4'	S 23°26.8'
10	312°37.4'	N 4°11.6'	93°53.1'	S 17°21.9'	45°55.1'	S 22°17.8'	55°06.3'	S 23°26.9'
11	327°37.0'	N 4°12.9'	108°55.7'	S 17°21.9'	60°57.4'	S 22°17.8'	70°07.2'	S 23°26.9'
12	342°36.6'	N 4°14.2'	123°58.2'	S 17°21.8'	75°59.7'	S 22°17.8'	85°08.1'	S 23°27.0'
13	357°36.3'	N 4°15.5'	139°00.7'	S 17°21.8'	91°02.0'	S 22°17.8'	100°09.0'	S 23°27.0'
14	12°35.9'	N 4°16.7'	154°03.2'	S 17°21.8'	106°04.4'	S 22°17.8'	115°09.9'	S 23°27.1'
15	27°35.5'	N 4°18.0'	169°05.8'	S 17°21.8'	121°06.7'	S 22°17.7'	130°10.8'	S 23°27.1'
16	42°35.2'	N 4°19.3'	184°08.3'	S 17°21.7'	136°09.0'	S 22°17.7'	145°11.7'	S 23°27.2'
17	57°34.8'	N 4°20.6'	199°10.8'	S 17°21.7'	151°11.4'	S 22°17.7'	160°12.6'	S 23°27.2'
18	72°34.4'	N 4°21.8'	214°13.4'	S 17°21.7'	166°13.7'	S 22°17.7'	175°13.5'	S 23°27.3'
19	87°34.0'	N 4°23.1'	229°15.9'	S 17°21.7'	181°16.0'	S 22°17.7'	190°14.4'	S 23°27.3'
20	102°33.7'	N 4°24.4'	244°18.4'	S 17°21.7'	196°18.3'	S 22°17.7'	205°15.3'	S 23°27.4'
21	117°33.3'	N 4°25.6'	259°21.0'	S 17°21.6'	211°20.7'	S 22°17.7'	220°16.2'	S 23°27.4'
22	132°32.9'	N 4°26.9'	274°23.5'	S 17°21.6'	226°23.0'	S 22°17.7'	235°17.1'	S 23°27.5'
23	147°32.6'	N 4°28.2'	289°26.0'	S 17°21.6'	241°25.3'	S 22°17.7'	250°18.0'	S 23°27.5'

Sun Mar 18, 2018 UTC

UTC	Venus -3.8		Jupiter -2.1		Saturn +0.5		Mars +0.5	
	v = -0.4' d = 1.3'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	162°32.2'	N 4°29.5'	304°28.5'	S 17°21.6'	256°27.7'	S 22°17.7'	265°18.9'	S 23°27.6'
1	177°31.8'	N 4°30.7'	319°31.1'	S 17°21.5'	271°30.0'	S 22°17.7'	280°19.8'	S 23°27.6'
2	192°31.4'	N 4°32.0'	334°33.6'	S 17°21.5'	286°32.3'	S 22°17.7'	295°20.7'	S 23°27.7'
3	207°31.1'	N 4°33.3'	349°36.1'	S 17°21.5'	301°34.7'	S 22°17.6'	310°21.6'	S 23°27.7'
4	222°30.7'	N 4°34.6'	4°38.7'	S 17°21.5'	316°37.0'	S 22°17.6'	325°22.5'	S 23°27.8'
5	237°30.3'	N 4°35.8'	19°41.2'	S 17°21.4'	331°39.3'	S 22°17.6'	340°23.4'	S 23°27.8'
6	252°30.0'	N 4°37.1'	34°43.8'	S 17°21.4'	346°41.6'	S 22°17.6'	355°24.3'	S 23°27.9'
7	267°29.6'	N 4°38.4'	49°46.3'	S 17°21.4'	1°44.0'	S 22°17.6'	10°25.2'	S 23°27.9'
8	282°29.2'	N 4°39.6'	64°48.8'	S 17°21.4'	16°46.3'	S 22°17.6'	25°26.1'	S 23°28.0'
9	297°28.8'	N 4°40.9'	79°51.4'	S 17°21.4'	31°48.6'	S 22°17.6'	40°27.0'	S 23°28.0'
10	312°28.5'	N 4°42.2'	94°53.9'	S 17°21.3'	46°51.0'	S 22°17.6'	55°27.9'	S 23°28.1'
11	327°28.1'	N 4°43.4'	109°56.4'	S 17°21.3'	61°53.3'	S 22°17.6'	70°28.8'	S 23°28.1'
12	342°27.7'	N 4°44.7'	124°59.0'	S 17°21.3'	76°55.6'	S 22°17.6'	85°29.7'	S 23°28.2'
13	357°27.3'	N 4°46.0'	140°01.5'	S 17°21.3'	91°58.0'	S 22°17.6'	100°30.6'	S 23°28.2'
14	12°27.0'	N 4°47.3'	155°04.0'	S 17°21.2'	107°00.3'	S 22°17.6'	115°31.5'	S 23°28.3'
15	27°26.6'	N 4°48.5'	170°06.6'	S 17°21.2'	122°02.6'	S 22°17.5'	130°32.4'	S 23°28.3'
16	42°26.2'	N 4°49.8'	185°09.1'	S 17°21.2'	137°05.0'	S 22°17.5'	145°33.3'	S 23°28.3'
17	57°25.8'	N 4°51.1'	200°11.7'	S 17°21.2'	152°07.3'	S 22°17.5'	160°34.2'	S 23°28.4'
18	72°25.5'	N 4°52.3'	215°14.2'	S 17°21.1'	167°09.6'	S 22°17.5'	175°35.1'	S 23°28.4'
19	87°25.1'	N 4°53.6'	230°16.7'	S 17°21.1'	182°12.0'	S 22°17.5'	190°36.0'	S 23°28.5'
20	102°24.7'	N 4°54.9'	245°19.3'	S 17°21.1'	197°14.3'	S 22°17.5'	205°36.9'	S 23°28.5'
21	117°24.4'	N 4°56.1'	260°21.8'	S 17°21.1'	212°16.6'	S 22°17.5'	220°37.8'	S 23°28.6'
22	132°24.0'	N 4°57.4'	275°24.3'	S 17°21.0'	227°19.0'	S 22°17.5'	235°38.7'	S 23°28.6'
23	147°23.6'	N 4°58.7'	290°26.9'	S 17°21.0'	242°21.3'	S 22°17.5'	250°39.7'	S 23°28.7'

Mon Mar 19, 2018 UTC

UTC	Venus -3.8		Jupiter -2.1		Saturn +0.5		Mars +0.5	
	v = -0.4' d = 1.3'		v = 2.5' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	162°23.2'	N 4°59.9'	305°29.4'	S 17°21.0'	257°23.6'	S 22°17.5'	265°40.6'	S 23°28.7'
1	177°22.9'	N 5°01.2'	320°32.0'	S 17°21.0'	272°26.0'	S 22°17.5'	280°41.5'	S 23°28.8'
2	192°22.5'	N 5°02.5'	335°34.5'	S 17°20.9'	287°28.3'	S 22°17.5'	295°42.4'	S 23°28.8'
3	207°22.1'	N 5°03.7'	350°37.1'	S 17°20.9'	302°30.6'	S 22°17.5'	310°43.3'	S 23°28.8'
4	222°21.7'	N 5°05.0'	5°39.6'	S 17°20.9'	317°33.0'	S 22°17.4'	325°44.2'	S 23°28.9'
5	237°21.4'	N 5°06.3'	20°42.1'	S 17°20.9'	332°35.3'	S 22°17.4'	340°45.1'	S 23°28.9'
6	252°21.0'	N 5°07.5'	35°44.7'	S 17°20.8'	347°37.6'	S 22°17.4'	355°46.0'	S 23°29.0'
7	267°20.6'	N 5°08.8'	50°47.2'	S 17°20.8'	2°40.0'	S 22°17.4'	10°46.9'	S 23°29.0'
8	282°20.2'	N 5°10.1'	65°49.8'	S 17°20.8'	17°42.3'	S 22°17.4'	25°47.8'	S 23°29.1'
9	297°19.9'	N 5°11.3'	80°52.3'	S 17°20.8'	32°44.7'	S 22°17.4'	40°48.7'	S 23°29.1'
10	312°19.5'	N 5°12.6'	95°54.8'	S 17°20.7'	47°47.0'	S 22°17.4'	55°49.6'	S 23°29.1'
11	327°19.1'	N 5°13.9'	110°57.4'	S 17°20.7'	62°49.3'	S 22°17.4'	70°50.5'	S 23°29.2'
12	342°18.7'	N 5°15.1'	125°59.9'	S 17°20.7'	77°51.7'	S 22°17.4'	85°51.4'	S 23°29.2'
13	357°18.4'	N 5°16.4'	141°02.5'	S 17°20.7'	92°54.0'	S 22°17.4'	100°52.3'	S 23°29.3'
14	12°18.0'	N 5°17.7'	156°05.0'	S 17°20.6'	107°56.3'	S 22°17.4'	115°53.3'	S 23°29.3'
15	27°17.6'	N 5°18.9'	171°07.6'	S 17°20.6'	122°58.7'	S 22°17.4'	130°54.2'	S 23°29.3'
16	42°17.2'	N 5°20.2'	186°10.1'	S 17°20.6'	138°01.0'	S 22°17.3'	145°55.1'	S 23°29.4'
17	57°16.8'	N 5°21.5'	201°12.7'	S 17°20.6'	153°03.3'	S 22°17.3'	160°56.0'	S 23°29.4'
18	72°16.5'	N 5°22.7'	216°15.2'	S 17°20.5'	168°05.7'	S 22°17.3'	175°56.9'	S 23°29.5'
19	87°16.1'	N 5°24.0'	231°17.8'	S 17°20.5'	183°08.0'	S 22°17.3'	190°57.8'	S 23°29.5'
20	102°15.7'	N 5°25.3'	246°20.3'	S 17°20.5'	198°10.4'	S 22°17.3'	205°58.7'	S 23°29.5'
21	117°15.3'	N 5°26.5'	261°22.9'	S 17°20.5'	213°12.7'	S 22°17.3'	220°59.6'	S 23°29.6'
22	132°15.0'	N 5°27.8'	276°25.4'	S 17°20.4'	228°15.0'	S 22°17.3'	236°00.5'	S 23°29.6'
23	147°14.6'	N 5°29.1'	291°27.9'	S 17°20.4'	243°17.4'	S 22°17.3'	251°01.4'	S 23°29.7'

Tue Mar 20, 2018 UTC

UTC	Venus -3.8		Jupiter -2.1		Saturn +0.5		Mars +0.5	
	v = -0.4' d = 1.3'		v = 2.6' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	162°14.2'	N 5°30.3'	306°30.5'	S 17°20.4'	258°19.7'	S 22°17.3'	266°02.3'	S 23°29.7'
1	177°13.8'	N 5°31.6'	321°33.0'	S 17°20.3'	273°22.0'	S 22°17.3'	281°03.2'	S 23°29.7'
2	192°13.5'	N 5°32.8'	336°35.6'	S 17°20.3'	288°24.4'	S 22°17.3'	296°04.2'	S 23°29.8'
3	207°13.1'	N 5°34.1'	351°38.1'	S 17°20.3'	303°26.7'	S 22°17.3'	311°05.1'	S 23°29.8'
4	222°12.7'	N 5°35.4'	6°40.7'	S 17°20.3'	318°29.1'	S 22°17.3'	326°06.0'	S 23°29.9'
5	237°12.3'	N 5°36.6'	21°43.2'	S 17°20.2'	333°31.4'	S 22°17.2'	341°06.9'	S 23°29.9'
6	252°11.9'	N 5°37.9'	36°45.8'	S 17°20.2'	348°33.7'	S 22°17.2'	356°07.8'	S 23°29.9'
7	267°11.6'	N 5°39.1'	51°48.3'	S 17°20.2'	3°36.1'	S 22°17.2'	11°08.7'	S 23°30.0'
8	282°11.2'	N 5°40.4'	66°50.9'	S 17°20.2'	18°38.4'	S 22°17.2'	26°09.6'	S 23°30.0'
9	297°10.8'	N 5°41.7'	81°53.4'	S 17°20.1'	33°40.8'	S 22°17.2'	41°10.5'	S 23°30.0'
10	312°10.4'	N 5°42.9'	96°56.0'	S 17°20.1'	48°43.1'	S 22°17.2'	56°11.4'	S 23°30.1'
11	327°10.0'	N 5°44.2'	111°58.5'	S 17°20.1'	63°45.4'	S 22°17.2'	71°12.4'	S 23°30.1'
12	342°09.7'	N 5°45.5'	127°01.1'	S 17°20.0'	78°47.8'	S 22°17.2'	86°13.3'	S 23°30.1'
13	357°09.3'	N 5°46.7'	142°03.7'	S 17°20.0'	93°50.1'	S 22°17.2'	101°14.2'	S 23°30.2'
14	12°08.9'	N 5°48.0'	157°06.2'	S 17°20.0'	108°52.5'	S 22°17.2'	116°15.1'	S 23°30.2'
15	27°08.5'	N 5°49.2'	172°08.8'	S 17°20.0'	123°54.8'	S 22°17.2'	131°16.0'	S 23°30.3'
16	42°08.1'	N 5°50.5'	187°11.3'	S 17°19.9'	138°57.1'	S 22°17.2'	146°16.9'	S 23°30.3'
17	57°07.8'	N 5°51.8'	202°13.9'	S 17°19.9'	153°59.5'	S 22°17.1'	161°17.8'	S 23°30.3'
18	72°07.4'	N 5°53.0'	217°16.4'	S 17°19.9'	169°01.8'	S 22°17.1'	176°18.7'	S 23°30.4'
19	87°07.0'	N 5°54.3'	232°19.0'	S 17°19.9'	184°04.2'	S 22°17.1'	191°19.6'	S 23°30.4'
20	102°06.6'	N 5°55.5'	247°21.5'	S 17°19.8'	199°06.5'	S 22°17.1'	206°20.6'	S 23°30.4'
21	117°06.2'	N 5°56.8'	262°24.1'	S 17°19.8'	214°08.9'	S 22°17.1'	221°21.5'	S 23°30.5'
22	132°05.9'	N 5°58.0'	277°26.6'	S 17°19.8'	229°11.2'	S 22°17.1'	236°22.4'	S 23°30.5'
23	147°05.5'	N 5°59.3'	292°29.2'	S 17°19.7'	244°13.5'	S 22°17.1'	251°23.3'	S 23°30.5'

Wed Mar 21, 2018 UTC

UTC	Venus -3.8		Jupiter -2.2		Saturn +0.5		Mars +0.5	
	v = -0.4' d = 1.3'		v = 2.6' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	162°05.1'	N 6°00.6'	307°31.7'	S 17°19.7'	259°15.9'	S 22°17.1'	266°24.2'	S 23°30.6'
1	177°04.7'	N 6°01.8'	322°34.3'	S 17°19.7'	274°18.2'	S 22°17.1'	281°25.1'	S 23°30.6'
2	192°04.3'	N 6°03.1'	337°36.9'	S 17°19.7'	289°20.6'	S 22°17.1'	296°26.0'	S 23°30.6'
3	207°04.0'	N 6°04.3'	352°39.4'	S 17°19.6'	304°22.9'	S 22°17.1'	311°26.9'	S 23°30.7'
4	222°03.6'	N 6°05.6'	7°42.0'	S 17°19.6'	319°25.2'	S 22°17.1'	326°27.9'	S 23°30.7'
5	237°03.2'	N 6°06.9'	22°44.5'	S 17°19.6'	334°27.6'	S 22°17.1'	341°28.8'	S 23°30.7'
6	252°02.8'	N 6°08.1'	37°47.1'	S 17°19.5'	349°29.9'	S 22°17.0'	356°29.7'	S 23°30.8'
7	267°02.4'	N 6°09.4'	52°49.6'	S 17°19.5'	4°32.3'	S 22°17.0'	11°30.6'	S 23°30.8'
8	282°02.1'	N 6°10.6'	67°52.2'	S 17°19.5'	19°34.6'	S 22°17.0'	26°31.5'	S 23°30.8'
9	297°01.7'	N 6°11.9'	82°54.8'	S 17°19.5'	34°37.0'	S 22°17.0'	41°32.4'	S 23°30.9'
10	312°01.3'	N 6°13.1'	97°57.3'	S 17°19.4'	49°39.3'	S 22°17.0'	56°33.3'	S 23°30.9'
11	327°00.9'	N 6°14.4'	112°59.9'	S 17°19.4'	64°41.7'	S 22°17.0'	71°34.3'	S 23°30.9'
12	342°00.5'	N 6°15.6'	128°02.4'	S 17°19.4'	79°44.0'	S 22°17.0'	86°35.2'	S 23°30.9'
13	357°00.1'	N 6°16.9'	143°05.0'	S 17°19.3'	94°46.3'	S 22°17.0'	101°36.1'	S 23°31.0'
14	11°59.8'	N 6°18.2'	158°07.6'	S 17°19.3'	109°48.7'	S 22°17.0'	116°37.0'	S 23°31.0'
15	26°59.4'	N 6°19.4'	173°10.1'	S 17°19.3'	124°51.0'	S 22°17.0'	131°37.9'	S 23°31.0'
16	41°59.0'	N 6°20.7'	188°12.7'	S 17°19.2'	139°53.4'	S 22°17.0'	146°38.8'	S 23°31.1'
17	56°58.6'	N 6°21.9'	203°15.2'	S 17°19.2'	154°55.7'	S 22°17.0'	161°39.8'	S 23°31.1'
18	71°58.2'	N 6°23.2'	218°17.8'	S 17°19.2'	169°58.1'	S 22°17.0'	176°40.7'	S 23°31.1'
19	86°57.8'	N 6°24.4'	233°20.4'	S 17°19.2'	185°00.4'	S 22°16.9'	191°41.6'	S 23°31.2'
20	101°57.5'	N 6°25.7'	248°22.9'	S 17°19.1'	200°02.8'	S 22°16.9'	206°42.5'	S 23°31.2'
21	116°57.1'	N 6°26.9'	263°25.5'	S 17°19.1'	215°05.1'	S 22°16.9'	221°43.4'	S 23°31.2'
22	131°56.7'	N 6°28.2'	278°28.1'	S 17°19.1'	230°07.5'	S 22°16.9'	236°44.3'	S 23°31.2'
23	146°56.3'	N 6°29.4'	293°30.6'	S 17°19.0'	245°09.8'	S 22°16.9'	251°45.3'	S 23°31.3'

Thu Mar 22, 2018 UTC

UTC	Venus -3.8		Jupiter -2.2		Saturn +0.5		Mars +0.5	
	v = -0.4' d = 1.2'		v = 2.6' d = 0.0'		v = 2.3' d = 0.0'		v = 0.9' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	161°55.9'	N 6°30.7'	308°33.2'	S 17°19.0'	260°12.1'	S 22°16.9'	266°46.2'	S 23°31.3'
1	176°55.5'	N 6°31.9'	323°35.8'	S 17°19.0'	275°14.5'	S 22°16.9'	281°47.1'	S 23°31.3'
2	191°55.1'	N 6°33.2'	338°38.3'	S 17°18.9'	290°16.8'	S 22°16.9'	296°48.0'	S 23°31.4'
3	206°54.8'	N 6°34.4'	353°40.9'	S 17°18.9'	305°19.2'	S 22°16.9'	311°48.9'	S 23°31.4'
4	221°54.4'	N 6°35.7'	8°43.4'	S 17°18.9'	320°21.5'	S 22°16.9'	326°49.8'	S 23°31.4'
5	236°54.0'	N 6°36.9'	23°46.0'	S 17°18.9'	335°23.9'	S 22°16.9'	341°50.8'	S 23°31.4'
6	251°53.6'	N 6°38.2'	38°48.6'	S 17°18.8'	350°26.2'	S 22°16.9'	356°51.7'	S 23°31.5'
7	266°53.2'	N 6°39.4'	53°51.1'	S 17°18.8'	5°28.6'	S 22°16.9'	11°52.6'	S 23°31.5'
8	281°52.8'	N 6°40.7'	68°53.7'	S 17°18.8'	20°30.9'	S 22°16.9'	26°53.5'	S 23°31.5'
9	296°52.4'	N 6°41.9'	83°56.3'	S 17°18.7'	35°33.3'	S 22°16.8'	41°54.4'	S 23°31.5'
10	311°52.1'	N 6°43.2'	98°58.8'	S 17°18.7'	50°35.6'	S 22°16.8'	56°55.4'	S 23°31.6'
11	326°51.7'	N 6°44.4'	114°01.4'	S 17°18.7'	65°38.0'	S 22°16.8'	71°56.3'	S 23°31.6'
12	341°51.3'	N 6°45.7'	129°04.0'	S 17°18.6'	80°40.3'	S 22°16.8'	86°57.2'	S 23°31.6'
13	356°50.9'	N 6°46.9'	144°06.5'	S 17°18.6'	95°42.7'	S 22°16.8'	101°58.1'	S 23°31.6'
14	11°50.5'	N 6°48.2'	159°09.1'	S 17°18.6'	110°45.0'	S 22°16.8'	116°59.0'	S 23°31.7'
15	26°50.1'	N 6°49.4'	174°11.7'	S 17°18.5'	125°47.4'	S 22°16.8'	131°59.9'	S 23°31.7'
16	41°49.7'	N 6°50.7'	189°14.2'	S 17°18.5'	140°49.7'	S 22°16.8'	147°00.9'	S 23°31.7'
17	56°49.3'	N 6°51.9'	204°16.8'	S 17°18.5'	155°52.1'	S 22°16.8'	162°01.8'	S 23°31.7'
18	71°49.0'	N 6°53.2'	219°19.4'	S 17°18.4'	170°54.4'	S 22°16.8'	177°02.7'	S 23°31.8'
19	86°48.6'	N 6°54.4'	234°22.0'	S 17°18.4'	185°56.8'	S 22°16.8'	192°03.6'	S 23°31.8'
20	101°48.2'	N 6°55.7'	249°24.5'	S 17°18.4'	200°59.1'	S 22°16.8'	207°04.5'	S 23°31.8'
21	116°47.8'	N 6°56.9'	264°27.1'	S 17°18.3'	216°01.5'	S 22°16.8'	222°05.5'	S 23°31.8'
22	131°47.4'	N 6°58.2'	279°29.7'	S 17°18.3'	231°03.8'	S 22°16.7'	237°06.4'	S 23°31.9'
23	146°47.0'	N 6°59.4'	294°32.2'	S 17°18.3'	246°06.2'	S 22°16.7'	252°07.3'	S 23°31.9'

Fri Mar 23, 2018 UTC

UTC	Venus -3.8		Jupiter -2.2		Saturn +0.5		Mars +0.4	
	v = -0.4' d = 1.2'		v = 2.6' d = 0.0'		v = 2.4' d = 0.0'		v = 0.9' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	161°46.6'	N 7°00.7'	309°34.8'	S 17°18.3'	261°08.5'	S 22°16.7'	267°08.2'	S 23°31.9'
1	176°46.2'	N 7°01.9'	324°37.4'	S 17°18.2'	276°10.9'	S 22°16.7'	282°09.2'	S 23°31.9'
2	191°45.8'	N 7°03.1'	339°40.0'	S 17°18.2'	291°13.2'	S 22°16.7'	297°10.1'	S 23°32.0'
3	206°45.5'	N 7°04.4'	354°42.5'	S 17°18.2'	306°15.6'	S 22°16.7'	312°11.0'	S 23°32.0'
4	221°45.1'	N 7°05.6'	9°45.1'	S 17°18.1'	321°17.9'	S 22°16.7'	327°11.9'	S 23°32.0'
5	236°44.7'	N 7°06.9'	24°47.7'	S 17°18.1'	336°20.3'	S 22°16.7'	342°12.8'	S 23°32.0'
6	251°44.3'	N 7°08.1'	39°50.2'	S 17°18.1'	351°22.6'	S 22°16.7'	357°13.8'	S 23°32.0'
7	266°43.9'	N 7°09.4'	54°52.8'	S 17°18.0'	6°25.0'	S 22°16.7'	12°14.7'	S 23°32.1'
8	281°43.5'	N 7°10.6'	69°55.4'	S 17°18.0'	21°27.3'	S 22°16.7'	27°15.6'	S 23°32.1'
9	296°43.1'	N 7°11.9'	84°58.0'	S 17°18.0'	36°29.7'	S 22°16.7'	42°16.5'	S 23°32.1'
10	311°42.7'	N 7°13.1'	100°00.5'	S 17°17.9'	51°32.0'	S 22°16.7'	57°17.5'	S 23°32.1'
11	326°42.3'	N 7°14.3'	115°03.1'	S 17°17.9'	66°34.4'	S 22°16.7'	72°18.4'	S 23°32.2'
12	341°41.9'	N 7°15.6'	130°05.7'	S 17°17.9'	81°36.7'	S 22°16.6'	87°19.3'	S 23°32.2'
13	356°41.5'	N 7°16.8'	145°08.3'	S 17°17.8'	96°39.1'	S 22°16.6'	102°20.2'	S 23°32.2'
14	11°41.2'	N 7°18.1'	160°10.8'	S 17°17.8'	111°41.4'	S 22°16.6'	117°21.1'	S 23°32.2'
15	26°40.8'	N 7°19.3'	175°13.4'	S 17°17.8'	126°43.8'	S 22°16.6'	132°22.1'	S 23°32.2'
16	41°40.4'	N 7°20.6'	190°16.0'	S 17°17.7'	141°46.1'	S 22°16.6'	147°23.0'	S 23°32.3'
17	56°40.0'	N 7°21.8'	205°18.6'	S 17°17.7'	156°48.5'	S 22°16.6'	162°23.9'	S 23°32.3'
18	71°39.6'	N 7°23.0'	220°21.1'	S 17°17.7'	171°50.9'	S 22°16.6'	177°24.8'	S 23°32.3'
19	86°39.2'	N 7°24.3'	235°23.7'	S 17°17.6'	186°53.2'	S 22°16.6'	192°25.8'	S 23°32.3'
20	101°38.8'	N 7°25.5'	250°26.3'	S 17°17.6'	201°55.6'	S 22°16.6'	207°26.7'	S 23°32.3'
21	116°38.4'	N 7°26.8'	265°28.9'	S 17°17.6'	216°57.9'	S 22°16.6'	222°27.6'	S 23°32.3'
22	131°38.0'	N 7°28.0'	280°31.5'	S 17°17.5'	232°00.3'	S 22°16.6'	237°28.5'	S 23°32.4'
23	146°37.6'	N 7°29.2'	295°34.0'	S 17°17.5'	247°02.6'	S 22°16.6'	252°29.5'	S 23°32.4'

Sat Mar 24, 2018 UTC

UTC	Venus -3.8		Jupiter -2.2		Saturn +0.5		Mars +0.4	
	v = -0.4' d = 1.2'		v = 2.6' d = 0.0'		v = 2.4' d = 0.0'		v = 0.9' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	161°37.2'	N 7°30.5'	310°36.6'	S 17°17.5'	262°05.0'	S 22°16.6'	267°30.4'	S 23°32.4'
1	176°36.8'	N 7°31.7'	325°39.2'	S 17°17.4'	277°07.3'	S 22°16.6'	282°31.3'	S 23°32.4'
2	191°36.4'	N 7°33.0'	340°41.8'	S 17°17.4'	292°09.7'	S 22°16.5'	297°32.2'	S 23°32.4'
3	206°36.0'	N 7°34.2'	355°44.4'	S 17°17.4'	307°12.0'	S 22°16.5'	312°33.2'	S 23°32.5'
4	221°35.7'	N 7°35.4'	10°46.9'	S 17°17.3'	322°14.4'	S 22°16.5'	327°34.1'	S 23°32.5'
5	236°35.3'	N 7°36.7'	25°49.5'	S 17°17.3'	337°16.8'	S 22°16.5'	342°35.0'	S 23°32.5'
6	251°34.9'	N 7°37.9'	40°52.1'	S 17°17.3'	352°19.1'	S 22°16.5'	357°35.9'	S 23°32.5'
7	266°34.5'	N 7°39.1'	55°54.7'	S 17°17.2'	7°21.5'	S 22°16.5'	12°36.9'	S 23°32.5'
8	281°34.1'	N 7°40.4'	70°57.3'	S 17°17.2'	22°23.8'	S 22°16.5'	27°37.8'	S 23°32.5'
9	296°33.7'	N 7°41.6'	85°59.8'	S 17°17.2'	37°26.2'	S 22°16.5'	42°38.7'	S 23°32.6'
10	311°33.3'	N 7°42.9'	101°02.4'	S 17°17.1'	52°28.5'	S 22°16.5'	57°39.6'	S 23°32.6'
11	326°32.9'	N 7°44.1'	116°05.0'	S 17°17.1'	67°30.9'	S 22°16.5'	72°40.6'	S 23°32.6'
12	341°32.5'	N 7°45.3'	131°07.6'	S 17°17.0'	82°33.2'	S 22°16.5'	87°41.5'	S 23°32.6'
13	356°32.1'	N 7°46.6'	146°10.2'	S 17°17.0'	97°35.6'	S 22°16.5'	102°42.4'	S 23°32.6'
14	11°31.7'	N 7°47.8'	161°12.8'	S 17°17.0'	112°38.0'	S 22°16.5'	117°43.4'	S 23°32.6'
15	26°31.3'	N 7°49.0'	176°15.3'	S 17°16.9'	127°40.3'	S 22°16.5'	132°44.3'	S 23°32.6'
16	41°30.9'	N 7°50.3'	191°17.9'	S 17°16.9'	142°42.7'	S 22°16.4'	147°45.2'	S 23°32.7'
17	56°30.5'	N 7°51.5'	206°20.5'	S 17°16.9'	157°45.0'	S 22°16.4'	162°46.1'	S 23°32.7'
18	71°30.1'	N 7°52.7'	221°23.1'	S 17°16.8'	172°47.4'	S 22°16.4'	177°47.1'	S 23°32.7'
19	86°29.7'	N 7°54.0'	236°25.7'	S 17°16.8'	187°49.8'	S 22°16.4'	192°48.0'	S 23°32.7'
20	101°29.3'	N 7°55.2'	251°28.3'	S 17°16.8'	202°52.1'	S 22°16.4'	207°48.9'	S 23°32.7'
21	116°28.9'	N 7°56.4'	266°30.8'	S 17°16.7'	217°54.5'	S 22°16.4'	222°49.9'	S 23°32.7'
22	131°28.5'	N 7°57.7'	281°33.4'	S 17°16.7'	232°56.8'	S 22°16.4'	237°50.8'	S 23°32.7'
23	146°28.1'	N 7°58.9'	296°36.0'	S 17°16.7'	247°59.2'	S 22°16.4'	252°51.7'	S 23°32.8'

Sun Mar 25, 2018 UTC

UTC	Venus -3.8		Jupiter -2.2		Saturn +0.5		Mars +0.4	
	v = -0.4' d = 1.2'		v = 2.6' d = 0.0'		v = 2.4' d = 0.0'		v = 0.9' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	161°27.7'	N 8°00.1'	311°38.6'	S 17°16.6'	263°01.5'	S 22°16.4'	267°52.6'	S 23°32.8'
1	176°27.3'	N 8°01.4'	326°41.2'	S 17°16.6'	278°03.9'	S 22°16.4'	282°53.6'	S 23°32.8'
2	191°26.9'	N 8°02.6'	341°43.8'	S 17°16.6'	293°06.3'	S 22°16.4'	297°54.5'	S 23°32.8'
3	206°26.5'	N 8°03.8'	356°46.4'	S 17°16.5'	308°08.6'	S 22°16.4'	312°55.4'	S 23°32.8'
4	221°26.1'	N 8°05.0'	11°49.0'	S 17°16.5'	323°11.0'	S 22°16.4'	327°56.4'	S 23°32.8'
5	236°25.7'	N 8°06.3'	26°51.5'	S 17°16.4'	338°13.3'	S 22°16.4'	342°57.3'	S 23°32.8'
6	251°25.3'	N 8°07.5'	41°54.1'	S 17°16.4'	353°15.7'	S 22°16.3'	357°58.2'	S 23°32.8'
7	266°24.9'	N 8°08.7'	56°56.7'	S 17°16.4'	8°18.1'	S 22°16.3'	12°59.2'	S 23°32.9'
8	281°24.5'	N 8°10.0'	71°59.3'	S 17°16.3'	23°20.4'	S 22°16.3'	28°00.1'	S 23°32.9'
9	296°24.1'	N 8°11.2'	87°01.9'	S 17°16.3'	38°22.8'	S 22°16.3'	43°01.0'	S 23°32.9'
10	311°23.7'	N 8°12.4'	102°04.5'	S 17°16.3'	53°25.1'	S 22°16.3'	58°01.9'	S 23°32.9'
11	326°23.3'	N 8°13.6'	117°07.1'	S 17°16.2'	68°27.5'	S 22°16.3'	73°02.9'	S 23°32.9'
12	341°22.9'	N 8°14.9'	132°09.7'	S 17°16.2'	83°29.9'	S 22°16.3'	88°03.8'	S 23°32.9'
13	356°22.5'	N 8°16.1'	147°12.3'	S 17°16.2'	98°32.2'	S 22°16.3'	103°04.7'	S 23°32.9'
14	11°22.1'	N 8°17.3'	162°14.8'	S 17°16.1'	113°34.6'	S 22°16.3'	118°05.7'	S 23°32.9'
15	26°21.7'	N 8°18.6'	177°17.4'	S 17°16.1'	128°37.0'	S 22°16.3'	133°06.6'	S 23°32.9'
16	41°21.3'	N 8°19.8'	192°20.0'	S 17°16.0'	143°39.3'	S 22°16.3'	148°07.5'	S 23°32.9'
17	56°20.9'	N 8°21.0'	207°22.6'	S 17°16.0'	158°41.7'	S 22°16.3'	163°08.5'	S 23°33.0'
18	71°20.5'	N 8°22.2'	222°25.2'	S 17°16.0'	173°44.0'	S 22°16.3'	178°09.4'	S 23°33.0'
19	86°20.1'	N 8°23.5'	237°27.8'	S 17°15.9'	188°46.4'	S 22°16.3'	193°10.3'	S 23°33.0'
20	101°19.7'	N 8°24.7'	252°30.4'	S 17°15.9'	203°48.8'	S 22°16.3'	208°11.3'	S 23°33.0'
21	116°19.3'	N 8°25.9'	267°33.0'	S 17°15.9'	218°51.1'	S 22°16.2'	223°12.2'	S 23°33.0'
22	131°18.9'	N 8°27.1'	282°35.6'	S 17°15.8'	233°53.5'	S 22°16.2'	238°13.1'	S 23°33.0'
23	146°18.5'	N 8°28.4'	297°38.2'	S 17°15.8'	248°55.8'	S 22°16.2'	253°14.1'	S 23°33.0'

Mon Mar 26, 2018 UTC

UTC	Venus -3.8		Jupiter -2.2		Saturn +0.5		Mars +0.4	
	v = -0.4' d = 1.2'		v = 2.6' d = 0.0'		v = 2.4' d = 0.0'		v = 0.9' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	161°18.1'	N 8°29.6'	312°40.8'	S 17°15.7'	263°58.2'	S 22°16.2'	268°15.0'	S 23°33.0'
1	176°17.7'	N 8°30.8'	327°43.4'	S 17°15.7'	279°00.6'	S 22°16.2'	283°15.9'	S 23°33.0'
2	191°17.3'	N 8°32.0'	342°46.0'	S 17°15.7'	294°02.9'	S 22°16.2'	298°16.9'	S 23°33.0'
3	206°16.9'	N 8°33.3'	357°48.6'	S 17°15.6'	309°05.3'	S 22°16.2'	313°17.8'	S 23°33.0'
4	221°16.5'	N 8°34.5'	12°51.1'	S 17°15.6'	324°07.7'	S 22°16.2'	328°18.7'	S 23°33.0'
5	236°16.1'	N 8°35.7'	27°53.7'	S 17°15.6'	339°10.0'	S 22°16.2'	343°19.7'	S 23°33.1'
6	251°15.7'	N 8°36.9'	42°56.3'	S 17°15.5'	354°12.4'	S 22°16.2'	358°20.6'	S 23°33.1'
7	266°15.2'	N 8°38.1'	57°58.9'	S 17°15.5'	9°14.8'	S 22°16.2'	13°21.5'	S 23°33.1'
8	281°14.8'	N 8°39.4'	73°01.5'	S 17°15.4'	24°17.1'	S 22°16.2'	28°22.5'	S 23°33.1'
9	296°14.4'	N 8°40.6'	88°04.1'	S 17°15.4'	39°19.5'	S 22°16.2'	43°23.4'	S 23°33.1'
10	311°14.0'	N 8°41.8'	103°06.7'	S 17°15.4'	54°21.9'	S 22°16.2'	58°24.4'	S 23°33.1'
11	326°13.6'	N 8°43.0'	118°09.3'	S 17°15.3'	69°24.2'	S 22°16.2'	73°25.3'	S 23°33.1'
12	341°13.2'	N 8°44.2'	133°11.9'	S 17°15.3'	84°26.6'	S 22°16.1'	88°26.2'	S 23°33.1'
13	356°12.8'	N 8°45.5'	148°14.5'	S 17°15.3'	99°28.9'	S 22°16.1'	103°27.2'	S 23°33.1'
14	11°12.4'	N 8°46.7'	163°17.1'	S 17°15.2'	114°31.3'	S 22°16.1'	118°28.1'	S 23°33.1'
15	26°12.0'	N 8°47.9'	178°19.7'	S 17°15.2'	129°33.7'	S 22°16.1'	133°29.0'	S 23°33.1'
16	41°11.6'	N 8°49.1'	193°22.3'	S 17°15.1'	144°36.0'	S 22°16.1'	148°30.0'	S 23°33.1'
17	56°11.2'	N 8°50.3'	208°24.9'	S 17°15.1'	159°38.4'	S 22°16.1'	163°30.9'	S 23°33.1'
18	71°10.8'	N 8°51.6'	223°27.5'	S 17°15.1'	174°40.8'	S 22°16.1'	178°31.8'	S 23°33.1'
19	86°10.4'	N 8°52.8'	238°30.1'	S 17°15.0'	189°43.1'	S 22°16.1'	193°32.8'	S 23°33.1'
20	101°09.9'	N 8°54.0'	253°32.7'	S 17°15.0'	204°45.5'	S 22°16.1'	208°33.7'	S 23°33.1'
21	116°09.5'	N 8°55.2'	268°35.3'	S 17°14.9'	219°47.9'	S 22°16.1'	223°34.7'	S 23°33.1'
22	131°09.1'	N 8°56.4'	283°37.9'	S 17°14.9'	234°50.2'	S 22°16.1'	238°35.6'	S 23°33.1'
23	146°08.7'	N 8°57.6'	298°40.5'	S 17°14.9'	249°52.6'	S 22°16.1'	253°36.5'	S 23°33.1'

Tue Mar 27, 2018 UTC

UTC	Venus -3.8 v = -0.4' d = 1.2'		Jupiter -2.2 v = 2.6' d = 0.0'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +0.4 v = 0.9' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	161°08.3'	N 8°58.9'	313°43.1'	S 17°14.8'	264°55.0'	S 22°16.1'	268°37.5'	S 23°33.1'
1	176°07.9'	N 9°00.1'	328°45.7'	S 17°14.8'	279°57.3'	S 22°16.1'	283°38.4'	S 23°33.2'
2	191°07.5'	N 9°01.3'	343°48.3'	S 17°14.7'	294°59.7'	S 22°16.1'	298°39.3'	S 23°33.2'
3	206°07.1'	N 9°02.5'	358°50.9'	S 17°14.7'	310°02.1'	S 22°16.0'	313°40.3'	S 23°33.2'
4	221°06.7'	N 9°03.7'	13°53.5'	S 17°14.7'	325°04.5'	S 22°16.0'	328°41.2'	S 23°33.2'
5	236°06.3'	N 9°04.9'	28°56.1'	S 17°14.6'	340°06.8'	S 22°16.0'	343°42.2'	S 23°33.2'
6	251°05.8'	N 9°06.1'	43°58.7'	S 17°14.6'	355°09.2'	S 22°16.0'	358°43.1'	S 23°33.2'
7	266°05.4'	N 9°07.4'	59°01.3'	S 17°14.5'	10°11.6'	S 22°16.0'	13°44.0'	S 23°33.2'
8	281°05.0'	N 9°08.6'	74°03.9'	S 17°14.5'	25°13.9'	S 22°16.0'	28°45.0'	S 23°33.2'
9	296°04.6'	N 9°09.8'	89°06.5'	S 17°14.5'	40°16.3'	S 22°16.0'	43°45.9'	S 23°33.2'
10	311°04.2'	N 9°11.0'	104°09.1'	S 17°14.4'	55°18.7'	S 22°16.0'	58°46.9'	S 23°33.2'
11	326°03.8'	N 9°12.2'	119°11.7'	S 17°14.4'	70°21.0'	S 22°16.0'	73°47.8'	S 23°33.2'
12	341°03.4'	N 9°13.4'	134°14.3'	S 17°14.3'	85°23.4'	S 22°16.0'	88°48.7'	S 23°33.2'
13	356°03.0'	N 9°14.6'	149°17.0'	S 17°14.3'	100°25.8'	S 22°16.0'	103°49.7'	S 23°33.2'
14	11°02.5'	N 9°15.8'	164°19.6'	S 17°14.3'	115°28.1'	S 22°16.0'	118°50.6'	S 23°33.2'
15	26°02.1'	N 9°17.1'	179°22.2'	S 17°14.2'	130°30.5'	S 22°16.0'	133°51.6'	S 23°33.2'
16	41°01.7'	N 9°18.3'	194°24.8'	S 17°14.2'	145°32.9'	S 22°16.0'	148°52.5'	S 23°33.2'
17	56°01.3'	N 9°19.5'	209°27.4'	S 17°14.1'	160°35.3'	S 22°16.0'	163°53.4'	S 23°33.2'
18	71°00.9'	N 9°20.7'	224°30.0'	S 17°14.1'	175°37.6'	S 22°16.0'	178°54.4'	S 23°33.2'
19	86°00.5'	N 9°21.9'	239°32.6'	S 17°14.1'	190°40.0'	S 22°15.9'	193°55.3'	S 23°33.2'
20	101°00.1'	N 9°23.1'	254°35.2'	S 17°14.0'	205°42.4'	S 22°15.9'	208°56.3'	S 23°33.2'
21	115°59.6'	N 9°24.3'	269°37.8'	S 17°14.0'	220°44.7'	S 22°15.9'	223°57.2'	S 23°33.2'
22	130°59.2'	N 9°25.5'	284°40.4'	S 17°13.9'	235°47.1'	S 22°15.9'	238°58.2'	S 23°33.2'
23	145°58.8'	N 9°26.7'	299°43.0'	S 17°13.9'	250°49.5'	S 22°15.9'	253°59.1'	S 23°33.2'

Wed Mar 28, 2018 UTC

UTC	Venus -3.8 v = -0.4' d = 1.2'		Jupiter -2.2 v = 2.6' d = 0.0'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +0.3 v = 0.9' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	160°58.4'	N 9°27.9'	314°45.6'	S 17°13.9'	265°51.9'	S 22°15.9'	269°00.0'	S 23°33.2'
1	175°58.0'	N 9°29.1'	329°48.2'	S 17°13.8'	280°54.2'	S 22°15.9'	284°01.0'	S 23°33.2'
2	190°57.6'	N 9°30.3'	344°50.8'	S 17°13.8'	295°56.6'	S 22°15.9'	299°01.9'	S 23°33.2'
3	205°57.1'	N 9°31.5'	359°53.5'	S 17°13.7'	310°59.0'	S 22°15.9'	314°02.9'	S 23°33.2'
4	220°56.7'	N 9°32.7'	14°56.1'	S 17°13.7'	326°01.3'	S 22°15.9'	329°03.8'	S 23°33.2'
5	235°56.3'	N 9°34.0'	29°58.7'	S 17°13.7'	341°03.7'	S 22°15.9'	344°04.8'	S 23°33.2'
6	250°55.9'	N 9°35.2'	45°01.3'	S 17°13.6'	356°06.1'	S 22°15.9'	359°05.7'	S 23°33.1'
7	265°55.5'	N 9°36.4'	60°03.9'	S 17°13.6'	11°08.5'	S 22°15.9'	14°06.6'	S 23°33.1'
8	280°55.1'	N 9°37.6'	75°06.5'	S 17°13.5'	26°10.8'	S 22°15.9'	29°07.6'	S 23°33.1'
9	295°54.6'	N 9°38.8'	90°09.1'	S 17°13.5'	41°13.2'	S 22°15.9'	44°08.5'	S 23°33.1'
10	310°54.2'	N 9°40.0'	105°11.7'	S 17°13.4'	56°15.6'	S 22°15.9'	59°09.5'	S 23°33.1'
11	325°53.8'	N 9°41.2'	120°14.3'	S 17°13.4'	71°18.0'	S 22°15.8'	74°10.4'	S 23°33.1'
12	340°53.4'	N 9°42.4'	135°17.0'	S 17°13.4'	86°20.3'	S 22°15.8'	89°11.4'	S 23°33.1'
13	355°53.0'	N 9°43.6'	150°19.6'	S 17°13.3'	101°22.7'	S 22°15.8'	104°12.3'	S 23°33.1'
14	10°52.5'	N 9°44.8'	165°22.2'	S 17°13.3'	116°25.1'	S 22°15.8'	119°13.3'	S 23°33.1'
15	25°52.1'	N 9°46.0'	180°24.8'	S 17°13.2'	131°27.4'	S 22°15.8'	134°14.2'	S 23°33.1'
16	40°51.7'	N 9°47.2'	195°27.4'	S 17°13.2'	146°29.8'	S 22°15.8'	149°15.2'	S 23°33.1'
17	55°51.3'	N 9°48.4'	210°30.0'	S 17°13.2'	161°32.2'	S 22°15.8'	164°16.1'	S 23°33.1'
18	70°50.9'	N 9°49.6'	225°32.6'	S 17°13.1'	176°34.6'	S 22°15.8'	179°17.0'	S 23°33.1'
19	85°50.4'	N 9°50.8'	240°35.2'	S 17°13.1'	191°36.9'	S 22°15.8'	194°18.0'	S 23°33.1'
20	100°50.0'	N 9°52.0'	255°37.9'	S 17°13.0'	206°39.3'	S 22°15.8'	209°18.9'	S 23°33.1'
21	115°49.6'	N 9°53.2'	270°40.5'	S 17°13.0'	221°41.7'	S 22°15.8'	224°19.9'	S 23°33.1'
22	130°49.2'	N 9°54.4'	285°43.1'	S 17°12.9'	236°44.1'	S 22°15.8'	239°20.8'	S 23°33.1'
23	145°48.7'	N 9°55.6'	300°45.7'	S 17°12.9'	251°46.4'	S 22°15.8'	254°21.8'	S 23°33.1'

Thu Mar 29, 2018 UTC

UTC	Venus -3.8 v = -0.4' d = 1.2'		Jupiter -2.2 v = 2.6' d = 0.0'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +0.3 v = 0.9' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	160°48.3'	N 9°56.8'	315°48.3'	S 17°12.9'	266°48.8'	S 22°15.8'	269°22.7'	S 23°33.1'
1	175°47.9'	N 9°58.0'	330°50.9'	S 17°12.8'	281°51.2'	S 22°15.8'	284°23.7'	S 23°33.1'
2	190°47.5'	N 9°59.2'	345°53.6'	S 17°12.8'	296°53.6'	S 22°15.8'	299°24.6'	S 23°33.0'
3	205°47.0'	N 10°00.4'	0°56.2'	S 17°12.7'	311°56.0'	S 22°15.8'	314°25.6'	S 23°33.0'
4	220°46.6'	N 10°01.6'	15°58.8'	S 17°12.7'	326°58.3'	S 22°15.7'	329°26.5'	S 23°33.0'
5	235°46.2'	N 10°02.7'	31°01.4'	S 17°12.6'	342°00.7'	S 22°15.7'	344°27.5'	S 23°33.0'
6	250°45.8'	N 10°03.9'	46°04.0'	S 17°12.6'	357°03.1'	S 22°15.7'	359°28.4'	S 23°33.0'
7	265°45.4'	N 10°05.1'	61°06.6'	S 17°12.6'	12°05.5'	S 22°15.7'	14°29.4'	S 23°33.0'
8	280°44.9'	N 10°06.3'	76°09.3'	S 17°12.5'	27°07.8'	S 22°15.7'	29°30.3'	S 23°33.0'
9	295°44.5'	N 10°07.5'	91°11.9'	S 17°12.5'	42°10.2'	S 22°15.7'	44°31.3'	S 23°33.0'
10	310°44.1'	N 10°08.7'	106°14.5'	S 17°12.4'	57°12.6'	S 22°15.7'	59°32.2'	S 23°33.0'
11	325°43.6'	N 10°09.9'	121°17.1'	S 17°12.4'	72°15.0'	S 22°15.7'	74°33.2'	S 23°33.0'
12	340°43.2'	N 10°11.1'	136°19.7'	S 17°12.3'	87°17.3'	S 22°15.7'	89°34.1'	S 23°33.0'
13	355°42.8'	N 10°12.3'	151°22.4'	S 17°12.3'	102°19.7'	S 22°15.7'	104°35.1'	S 23°33.0'
14	10°42.4'	N 10°13.5'	166°25.0'	S 17°12.2'	117°22.1'	S 22°15.7'	119°36.0'	S 23°33.0'
15	25°41.9'	N 10°14.7'	181°27.6'	S 17°12.2'	132°24.5'	S 22°15.7'	134°37.0'	S 23°32.9'
16	40°41.5'	N 10°15.9'	196°30.2'	S 17°12.2'	147°26.9'	S 22°15.7'	149°37.9'	S 23°32.9'
17	55°41.1'	N 10°17.1'	211°32.8'	S 17°12.1'	162°29.2'	S 22°15.7'	164°38.9'	S 23°32.9'
18	70°40.7'	N 10°18.2'	226°35.5'	S 17°12.1'	177°31.6'	S 22°15.7'	179°39.8'	S 23°32.9'
19	85°40.2'	N 10°19.4'	241°38.1'	S 17°12.0'	192°34.0'	S 22°15.7'	194°40.8'	S 23°32.9'
20	100°39.8'	N 10°20.6'	256°40.7'	S 17°12.0'	207°36.4'	S 22°15.7'	209°41.7'	S 23°32.9'
21	115°39.4'	N 10°21.8'	271°43.3'	S 17°11.9'	222°38.8'	S 22°15.6'	224°42.7'	S 23°32.9'
22	130°38.9'	N 10°23.0'	286°45.9'	S 17°11.9'	237°41.1'	S 22°15.6'	239°43.6'	S 23°32.9'
23	145°38.5'	N 10°24.2'	301°48.6'	S 17°11.9'	252°43.5'	S 22°15.6'	254°44.6'	S 23°32.9'

Fri Mar 30, 2018 UTC

UTC	Venus -3.8 v = -0.4' d = 1.2'		Jupiter -2.2 v = 2.6' d = 0.0'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +0.3 v = 1.0' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	160°38.1'	N 10°25.4'	316°51.2'	S 17°11.8'	267°45.9'	S 22°15.6'	269°45.5'	S 23°32.9'
1	175°37.7'	N 10°26.6'	331°53.8'	S 17°11.8'	282°48.3'	S 22°15.6'	284°46.5'	S 23°32.8'
2	190°37.2'	N 10°27.7'	346°56.4'	S 17°11.7'	297°50.7'	S 22°15.6'	299°47.4'	S 23°32.8'
3	205°36.8'	N 10°28.9'	1°59.1'	S 17°11.7'	312°53.0'	S 22°15.6'	314°48.4'	S 23°32.8'
4	220°36.4'	N 10°30.1'	17°01.7'	S 17°11.6'	327°55.4'	S 22°15.6'	329°49.3'	S 23°32.8'
5	235°35.9'	N 10°31.3'	32°04.3'	S 17°11.6'	342°57.8'	S 22°15.6'	344°50.3'	S 23°32.8'
6	250°35.5'	N 10°32.5'	47°06.9'	S 17°11.5'	358°00.2'	S 22°15.6'	359°51.2'	S 23°32.8'
7	265°35.1'	N 10°33.7'	62°09.6'	S 17°11.5'	13°02.6'	S 22°15.6'	14°52.2'	S 23°32.8'
8	280°34.6'	N 10°34.9'	77°12.2'	S 17°11.5'	28°04.9'	S 22°15.6'	29°53.1'	S 23°32.8'
9	295°34.2'	N 10°36.0'	92°14.8'	S 17°11.4'	43°07.3'	S 22°15.6'	44°54.1'	S 23°32.7'
10	310°33.8'	N 10°37.2'	107°17.4'	S 17°11.4'	58°09.7'	S 22°15.6'	59°55.1'	S 23°32.7'
11	325°33.3'	N 10°38.4'	122°20.1'	S 17°11.3'	73°12.1'	S 22°15.6'	74°56.0'	S 23°32.7'
12	340°32.9'	N 10°39.6'	137°22.7'	S 17°11.3'	88°14.5'	S 22°15.6'	89°57.0'	S 23°32.7'
13	355°32.5'	N 10°40.8'	152°25.3'	S 17°11.2'	103°16.9'	S 22°15.6'	104°57.9'	S 23°32.7'
14	10°32.0'	N 10°41.9'	167°27.9'	S 17°11.2'	118°19.2'	S 22°15.6'	119°58.9'	S 23°32.7'
15	25°31.6'	N 10°43.1'	182°30.6'	S 17°11.1'	133°21.6'	S 22°15.5'	134°59.8'	S 23°32.7'
16	40°31.2'	N 10°44.3'	197°33.2'	S 17°11.1'	148°24.0'	S 22°15.5'	150°00.8'	S 23°32.6'
17	55°30.7'	N 10°45.5'	212°35.8'	S 17°11.0'	163°26.4'	S 22°15.5'	165°01.7'	S 23°32.6'
18	70°30.3'	N 10°46.7'	227°38.4'	S 17°11.0'	178°28.8'	S 22°15.5'	180°02.7'	S 23°32.6'
19	85°29.8'	N 10°47.8'	242°41.1'	S 17°11.0'	193°31.2'	S 22°15.5'	195°03.7'	S 23°32.6'
20	100°29.4'	N 10°49.0'	257°43.7'	S 17°10.9'	208°33.5'	S 22°15.5'	210°04.6'	S 23°32.6'
21	115°29.0'	N 10°50.2'	272°46.3'	S 17°10.9'	223°35.9'	S 22°15.5'	225°05.6'	S 23°32.6'
22	130°28.5'	N 10°51.4'	287°49.0'	S 17°10.8'	238°38.3'	S 22°15.5'	240°06.5'	S 23°32.6'
23	145°28.1'	N 10°52.6'	302°51.6'	S 17°10.8'	253°40.7'	S 22°15.5'	255°07.5'	S 23°32.5'

Sat Mar 31, 2018 UTC

UTC	Venus -3.8 v = -0.4' d = 1.2'		Jupiter -2.2 v = 2.6' d = 0.0'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +0.3 v = 1.0' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	160°27.6'	N 10°53.7'	317°54.2'	S 17°10.7'	268°43.1'	S 22°15.5'	270°08.4'	S 23°32.5'
1	175°27.2'	N 10°54.9'	332°56.8'	S 17°10.7'	283°45.5'	S 22°15.5'	285°09.4'	S 23°32.5'
2	190°26.8'	N 10°56.1'	347°59.5'	S 17°10.6'	298°47.8'	S 22°15.5'	300°10.4'	S 23°32.5'
3	205°26.3'	N 10°57.3'	3°02.1'	S 17°10.6'	313°50.2'	S 22°15.5'	315°11.3'	S 23°32.5'
4	220°25.9'	N 10°58.4'	18°04.7'	S 17°10.5'	328°52.6'	S 22°15.5'	330°12.3'	S 23°32.5'
5	235°25.5'	N 10°59.6'	33°07.4'	S 17°10.5'	343°55.0'	S 22°15.5'	345°13.2'	S 23°32.4'
6	250°25.0'	N 11°00.8'	48°10.0'	S 17°10.4'	358°57.4'	S 22°15.5'	0°14.2'	S 23°32.4'
7	265°24.6'	N 11°02.0'	63°12.6'	S 17°10.4'	13°59.8'	S 22°15.5'	15°15.1'	S 23°32.4'
8	280°24.1'	N 11°03.1'	78°15.3'	S 17°10.3'	29°02.2'	S 22°15.5'	30°16.1'	S 23°32.4'
9	295°23.7'	N 11°04.3'	93°17.9'	S 17°10.3'	44°04.5'	S 22°15.4'	45°17.1'	S 23°32.4'
10	310°23.3'	N 11°05.5'	108°20.5'	S 17°10.3'	59°06.9'	S 22°15.4'	60°18.0'	S 23°32.4'
11	325°22.8'	N 11°06.7'	123°23.2'	S 17°10.2'	74°09.3'	S 22°15.4'	75°19.0'	S 23°32.3'
12	340°22.4'	N 11°07.8'	138°25.8'	S 17°10.2'	89°11.7'	S 22°15.4'	90°19.9'	S 23°32.3'
13	355°21.9'	N 11°09.0'	153°28.4'	S 17°10.1'	104°14.1'	S 22°15.4'	105°20.9'	S 23°32.3'
14	10°21.5'	N 11°10.2'	168°31.1'	S 17°10.1'	119°16.5'	S 22°15.4'	120°21.9'	S 23°32.3'
15	25°21.0'	N 11°11.4'	183°33.7'	S 17°10.0'	134°18.9'	S 22°15.4'	135°22.8'	S 23°32.3'
16	40°20.6'	N 11°12.5'	198°36.3'	S 17°10.0'	149°21.2'	S 22°15.4'	150°23.8'	S 23°32.3'
17	55°20.2'	N 11°13.7'	213°39.0'	S 17°09.9'	164°23.6'	S 22°15.4'	165°24.7'	S 23°32.2'
18	70°19.7'	N 11°14.9'	228°41.6'	S 17°09.9'	179°26.0'	S 22°15.4'	180°25.7'	S 23°32.2'
19	85°19.3'	N 11°16.0'	243°44.2'	S 17°09.8'	194°28.4'	S 22°15.4'	195°26.7'	S 23°32.2'
20	100°18.8'	N 11°17.2'	258°46.9'	S 17°09.8'	209°30.8'	S 22°15.4'	210°27.6'	S 23°32.2'
21	115°18.4'	N 11°18.4'	273°49.5'	S 17°09.7'	224°33.2'	S 22°15.4'	225°28.6'	S 23°32.2'
22	130°17.9'	N 11°19.5'	288°52.1'	S 17°09.7'	239°35.6'	S 22°15.4'	240°29.5'	S 23°32.1'
23	145°17.5'	N 11°20.7'	303°54.8'	S 17°09.6'	254°38.0'	S 22°15.4'	255°30.5'	S 23°32.1'