

Wed Mar 1, 2017 UTC

UTC	Venus -4.4		Jupiter -2.2		Saturn +0.5		Mars +1.3	
	v = 2.4' 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	149°38.1'	N 10°58.9'	317°45.9'	S 7°17.2'	252°31.3'	S 22°05.3'	137°17.6'	N 9°07.7'
1	164°40.4'	N 10°59.4'	332°48.5'	S 7°17.2'	267°33.6'	S 22°05.3'	152°18.4'	N 9°08.4'
2	179°42.7'	N 10°59.9'	347°51.1'	S 7°17.1'	282°35.9'	S 22°05.3'	167°19.1'	N 9°09.1'
3	194°45.1'	N 11°00.4'	2°53.7'	S 7°17.0'	297°38.2'	S 22°05.3'	182°19.9'	N 9°09.8'
4	209°47.4'	N 11°00.9'	17°56.4'	S 7°16.9'	312°40.5'	S 22°05.3'	197°20.6'	N 9°10.5'
5	224°49.7'	N 11°01.5'	32°59.0'	S 7°16.9'	327°42.8'	S 22°05.3'	212°21.4'	N 9°11.3'
6	239°52.1'	N 11°02.0'	48°01.6'	S 7°16.8'	342°45.1'	S 22°05.3'	227°22.2'	N 9°12.0'
7	254°54.4'	N 11°02.5'	63°04.2'	S 7°16.7'	357°47.4'	S 22°05.3'	242°22.9'	N 9°12.7'
8	269°56.8'	N 11°03.0'	78°06.9'	S 7°16.7'	12°49.7'	S 22°05.3'	257°23.7'	N 9°13.4'
9	284°59.1'	N 11°03.5'	93°09.5'	S 7°16.6'	27°52.0'	S 22°05.3'	272°24.4'	N 9°14.1'
10	300°01.5'	N 11°04.0'	108°12.1'	S 7°16.5'	42°54.4'	S 22°05.4'	287°25.2'	N 9°14.8'
11	315°03.9'	N 11°04.5'	123°14.7'	S 7°16.4'	57°56.7'	S 22°05.4'	302°26.0'	N 9°15.5'
12	330°06.2'	N 11°05.0'	138°17.4'	S 7°16.4'	72°59.0'	S 22°05.4'	317°26.7'	N 9°16.2'
13	345°08.6'	N 11°05.5'	153°20.0'	S 7°16.3'	88°01.3'	S 22°05.4'	332°27.5'	N 9°16.9'
14	0°11.0'	N 11°06.0'	168°22.6'	S 7°16.2'	103°03.6'	S 22°05.4'	347°28.3'	N 9°17.6'
15	15°13.3'	N 11°06.5'	183°25.3'	S 7°16.1'	118°05.9'	S 22°05.4'	2°29.0'	N 9°18.3'
16	30°15.7'	N 11°07.0'	198°27.9'	S 7°16.1'	133°08.2'	S 22°05.4'	17°29.8'	N 9°19.0'
17	45°18.1'	N 11°07.5'	213°30.5'	S 7°16.0'	148°10.5'	S 22°05.4'	32°30.5'	N 9°19.7'
18	60°20.5'	N 11°08.0'	228°33.1'	S 7°15.9'	163°12.8'	S 22°05.4'	47°31.3'	N 9°20.4'
19	75°22.9'	N 11°08.5'	243°35.8'	S 7°15.8'	178°15.2'	S 22°05.4'	62°32.1'	N 9°21.1'
20	90°25.3'	N 11°09.0'	258°38.4'	S 7°15.8'	193°17.5'	S 22°05.4'	77°32.8'	N 9°21.8'
21	105°27.7'	N 11°09.5'	273°41.0'	S 7°15.7'	208°19.8'	S 22°05.4'	92°33.6'	N 9°22.5'
22	120°30.1'	N 11°09.9'	288°43.6'	S 7°15.6'	223°22.1'	S 22°05.4'	107°34.3'	N 9°23.2'
23	135°32.5'	N 11°10.4'	303°46.3'	S 7°15.6'	238°24.4'	S 22°05.4'	122°35.1'	N 9°23.9'

Thu Mar 2, 2017 UTC

UTC	Venus -4.4		Jupiter -2.2		Saturn +0.5		Mars +1.3	
	v = 2.5' 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	150°34.9'	N 11°10.9'	318°48.9'	S 7°15.5'	253°26.7'	S 22°05.4'	137°35.9'	N 9°24.6'
1	165°37.3'	N 11°11.4'	333°51.5'	S 7°15.4'	268°29.0'	S 22°05.4'	152°36.6'	N 9°25.3'
2	180°39.7'	N 11°11.9'	348°54.2'	S 7°15.3'	283°31.3'	S 22°05.4'	167°37.4'	N 9°26.0'
3	195°42.1'	N 11°12.3'	3°56.8'	S 7°15.3'	298°33.7'	S 22°05.4'	182°38.1'	N 9°26.7'
4	210°44.6'	N 11°12.8'	18°59.4'	S 7°15.2'	313°36.0'	S 22°05.4'	197°38.9'	N 9°27.4'
5	225°47.0'	N 11°13.3'	34°02.1'	S 7°15.1'	328°38.3'	S 22°05.4'	212°39.7'	N 9°28.1'
6	240°49.4'	N 11°13.7'	49°04.7'	S 7°15.0'	343°40.6'	S 22°05.4'	227°40.4'	N 9°28.8'
7	255°51.9'	N 11°14.2'	64°07.3'	S 7°15.0'	358°42.9'	S 22°05.4'	242°41.2'	N 9°29.5'
8	270°54.3'	N 11°14.7'	79°10.0'	S 7°14.9'	13°45.2'	S 22°05.4'	257°41.9'	N 9°30.2'
9	285°56.7'	N 11°15.1'	94°12.6'	S 7°14.8'	28°47.5'	S 22°05.4'	272°42.7'	N 9°30.9'
10	300°59.2'	N 11°15.6'	109°15.2'	S 7°14.7'	43°49.9'	S 22°05.4'	287°43.5'	N 9°31.6'
11	316°01.6'	N 11°16.1'	124°17.8'	S 7°14.7'	58°52.2'	S 22°05.4'	302°44.2'	N 9°32.3'
12	331°04.1'	N 11°16.5'	139°20.5'	S 7°14.6'	73°54.5'	S 22°05.4'	317°45.0'	N 9°32.9'
13	346°06.6'	N 11°17.0'	154°23.1'	S 7°14.5'	88°56.8'	S 22°05.4'	332°45.7'	N 9°33.6'
14	1°09.0'	N 11°17.4'	169°25.7'	S 7°14.4'	103°59.1'	S 22°05.4'	347°46.5'	N 9°34.3'
15	16°11.5'	N 11°17.9'	184°28.4'	S 7°14.3'	119°01.4'	S 22°05.4'	2°47.3'	N 9°35.0'
16	31°13.9'	N 11°18.3'	199°31.0'	S 7°14.3'	134°03.7'	S 22°05.4'	17°48.0'	N 9°35.7'
17	46°16.4'	N 11°18.8'	214°33.6'	S 7°14.2'	149°06.1'	S 22°05.4'	32°48.8'	N 9°36.4'
18	61°18.9'	N 11°19.2'	229°36.3'	S 7°14.1'	164°08.4'	S 22°05.4'	47°49.5'	N 9°37.1'
19	76°21.4'	N 11°19.7'	244°38.9'	S 7°14.0'	179°10.7'	S 22°05.4'	62°50.3'	N 9°37.8'
20	91°23.9'	N 11°20.1'	259°41.6'	S 7°14.0'	194°13.0'	S 22°05.4'	77°51.1'	N 9°38.5'
21	106°26.3'	N 11°20.5'	274°44.2'	S 7°13.9'	209°15.3'	S 22°05.4'	92°51.8'	N 9°39.2'
22	121°28.8'	N 11°21.0'	289°46.8'	S 7°13.8'	224°17.6'	S 22°05.4'	107°52.6'	N 9°39.9'
23	136°31.3'	N 11°21.4'	304°49.5'	S 7°13.7'	239°20.0'	S 22°05.4'	122°53.3'	N 9°40.6'

Fri Mar 3, 2017 UTC

UTC	Venus -4.4		Jupiter -2.2		Saturn +0.5		Mars +1.3	
	v = 2.5' d = 0.4'		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	151°33.8'	N 11°21.9'	319°52.1'	S 7°13.7'	254°22.3'	S 22°05.4'	137°54.1'	N 9°41.3'
1	166°36.3'	N 11°22.3'	334°54.7'	S 7°13.6'	269°24.6'	S 22°05.4'	152°54.9'	N 9°42.0'
2	181°38.8'	N 11°22.7'	349°57.4'	S 7°13.5'	284°26.9'	S 22°05.4'	167°55.6'	N 9°42.7'
3	196°41.3'	N 11°23.2'	5°00.0'	S 7°13.4'	299°29.2'	S 22°05.4'	182°56.4'	N 9°43.4'
4	211°43.9'	N 11°23.6'	20°02.6'	S 7°13.4'	314°31.5'	S 22°05.4'	197°57.1'	N 9°44.1'
5	226°46.4'	N 11°24.0'	35°05.3'	S 7°13.3'	329°33.9'	S 22°05.4'	212°57.9'	N 9°44.8'
6	241°48.9'	N 11°24.4'	50°07.9'	S 7°13.2'	344°36.2'	S 22°05.4'	227°58.6'	N 9°45.5'
7	256°51.4'	N 11°24.8'	65°10.6'	S 7°13.1'	359°38.5'	S 22°05.4'	242°59.4'	N 9°46.2'
8	271°54.0'	N 11°25.3'	80°13.2'	S 7°13.0'	14°40.8'	S 22°05.4'	258°00.2'	N 9°46.9'
9	286°56.5'	N 11°25.7'	95°15.8'	S 7°13.0'	29°43.1'	S 22°05.4'	273°00.9'	N 9°47.6'
10	301°59.0'	N 11°26.1'	110°18.5'	S 7°12.9'	44°45.4'	S 22°05.4'	288°01.7'	N 9°48.2'
11	317°01.6'	N 11°26.5'	125°21.1'	S 7°12.8'	59°47.8'	S 22°05.4'	303°02.4'	N 9°48.9'
12	332°04.1'	N 11°26.9'	140°23.7'	S 7°12.7'	74°50.1'	S 22°05.4'	318°03.2'	N 9°49.6'
13	347°06.7'	N 11°27.3'	155°26.4'	S 7°12.7'	89°52.4'	S 22°05.4'	333°04.0'	N 9°50.3'
14	2°09.2'	N 11°27.7'	170°29.0'	S 7°12.6'	104°54.7'	S 22°05.4'	348°04.7'	N 9°51.0'
15	17°11.8'	N 11°28.1'	185°31.7'	S 7°12.5'	119°57.0'	S 22°05.4'	3°05.5'	N 9°51.7'
16	32°14.3'	N 11°28.6'	200°34.3'	S 7°12.4'	134°59.4'	S 22°05.4'	18°06.2'	N 9°52.4'
17	47°16.9'	N 11°29.0'	215°36.9'	S 7°12.3'	150°01.7'	S 22°05.4'	33°07.0'	N 9°53.1'
18	62°19.4'	N 11°29.4'	230°39.6'	S 7°12.3'	165°04.0'	S 22°05.4'	48°07.7'	N 9°53.8'
19	77°22.0'	N 11°29.7'	245°42.2'	S 7°12.2'	180°06.3'	S 22°05.4'	63°08.5'	N 9°54.5'
20	92°24.6'	N 11°30.1'	260°44.9'	S 7°12.1'	195°08.6'	S 22°05.4'	78°09.3'	N 9°55.2'
21	107°27.2'	N 11°30.5'	275°47.5'	S 7°12.0'	210°11.0'	S 22°05.4'	93°10.0'	N 9°55.9'
22	122°29.7'	N 11°30.9'	290°50.1'	S 7°11.9'	225°13.3'	S 22°05.4'	108°10.8'	N 9°56.6'
23	137°32.3'	N 11°31.3'	305°52.8'	S 7°11.9'	240°15.6'	S 22°05.4'	123°11.5'	N 9°57.2'

Sat Mar 4, 2017 UTC

UTC	Venus -4.3		Jupiter -2.2		Saturn +0.5		Mars +1.3	
	v = 2.6' d = 0.4'		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	152°34.9'	N 11°31.7'	320°55.4'	S 7°11.8'	255°17.9'	S 22°05.4'	138°12.3'	N 9°57.9'
1	167°37.5'	N 11°32.1'	335°58.1'	S 7°11.7'	270°20.2'	S 22°05.4'	153°13.1'	N 9°58.6'
2	182°40.1'	N 11°32.5'	351°00.7'	S 7°11.6'	285°22.6'	S 22°05.4'	168°13.8'	N 9°59.3'
3	197°42.7'	N 11°32.9'	6°03.4'	S 7°11.5'	300°24.9'	S 22°05.4'	183°14.6'	N 10°00.0'
4	212°45.3'	N 11°33.2'	21°06.0'	S 7°11.5'	315°27.2'	S 22°05.4'	198°15.3'	N 10°00.7'
5	227°47.9'	N 11°33.6'	36°08.6'	S 7°11.4'	330°29.5'	S 22°05.4'	213°16.1'	N 10°01.4'
6	242°50.5'	N 11°34.0'	51°11.3'	S 7°11.3'	345°31.8'	S 22°05.4'	228°16.8'	N 10°02.1'
7	257°53.2'	N 11°34.4'	66°13.9'	S 7°11.2'	0°34.2'	S 22°05.4'	243°17.6'	N 10°02.8'
8	272°55.8'	N 11°34.7'	81°16.6'	S 7°11.2'	15°36.5'	S 22°05.4'	258°18.4'	N 10°03.5'
9	287°58.4'	N 11°35.1'	96°19.2'	S 7°11.1'	30°38.8'	S 22°05.4'	273°19.1'	N 10°04.1'
10	303°01.0'	N 11°35.5'	111°21.9'	S 7°11.0'	45°41.1'	S 22°05.4'	288°19.9'	N 10°04.8'
11	318°03.7'	N 11°35.8'	126°24.5'	S 7°10.9'	60°43.5'	S 22°05.4'	303°20.6'	N 10°05.5'
12	333°06.3'	N 11°36.2'	141°27.2'	S 7°10.8'	75°45.8'	S 22°05.4'	318°21.4'	N 10°06.2'
13	348°08.9'	N 11°36.6'	156°29.8'	S 7°10.7'	90°48.1'	S 22°05.4'	333°22.1'	N 10°06.9'
14	3°11.6'	N 11°36.9'	171°32.4'	S 7°10.7'	105°50.4'	S 22°05.4'	348°22.9'	N 10°07.6'
15	18°14.2'	N 11°37.3'	186°35.1'	S 7°10.6'	120°52.7'	S 22°05.4'	3°23.7'	N 10°08.3'
16	33°16.9'	N 11°37.6'	201°37.7'	S 7°10.5'	135°55.1'	S 22°05.4'	18°24.4'	N 10°09.0'
17	48°19.5'	N 11°38.0'	216°40.4'	S 7°10.4'	150°57.4'	S 22°05.4'	33°25.2'	N 10°09.7'
18	63°22.2'	N 11°38.3'	231°43.0'	S 7°10.3'	165°59.7'	S 22°05.4'	48°25.9'	N 10°10.3'
19	78°24.8'	N 11°38.7'	246°45.7'	S 7°10.3'	181°02.0'	S 22°05.4'	63°26.7'	N 10°11.0'
20	93°27.5'	N 11°39.0'	261°48.3'	S 7°10.2'	196°04.4'	S 22°05.4'	78°27.4'	N 10°11.7'
21	108°30.2'	N 11°39.4'	276°51.0'	S 7°10.1'	211°06.7'	S 22°05.4'	93°28.2'	N 10°12.4'
22	123°32.8'	N 11°39.7'	291°53.6'	S 7°10.0'	226°09.0'	S 22°05.4'	108°29.0'	N 10°13.1'
23	138°35.5'	N 11°40.0'	306°56.3'	S 7°09.9'	241°11.3'	S 22°05.4'	123°29.7'	N 10°13.8'

Sun Mar 5, 2017 UTC

UTC	Venus -4.3		Jupiter -2.2		Saturn +0.5		Mars +1.3	
	v = 2.7' d = 0.3'		v = 2.7' d = 0.1'		v = 2.3' d = 0.0'		v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	153°38.2'	N 11°40.4'	321°58.9'	S 7°09.9'	256°13.7'	S 22°05.4'	138°30.5'	N 10°14.5'
1	168°40.9'	N 11°40.7'	337°01.6'	S 7°09.8'	271°16.0'	S 22°05.4'	153°31.2'	N 10°15.2'
2	183°43.6'	N 11°41.1'	352°04.2'	S 7°09.7'	286°18.3'	S 22°05.4'	168°32.0'	N 10°15.8'
3	198°46.3'	N 11°41.4'	7°06.9'	S 7°09.6'	301°20.6'	S 22°05.4'	183°32.7'	N 10°16.5'
4	213°49.0'	N 11°41.7'	22°09.5'	S 7°09.5'	316°23.0'	S 22°05.4'	198°33.5'	N 10°17.2'
5	228°51.7'	N 11°42.0'	37°12.2'	S 7°09.5'	331°25.3'	S 22°05.4'	213°34.3'	N 10°17.9'
6	243°54.4'	N 11°42.4'	52°14.8'	S 7°09.4'	346°27.6'	S 22°05.4'	228°35.0'	N 10°18.6'
7	258°57.1'	N 11°42.7'	67°17.5'	S 7°09.3'	1°29.9'	S 22°05.4'	243°35.8'	N 10°19.3'
8	273°59.8'	N 11°43.0'	82°20.1'	S 7°09.2'	16°32.3'	S 22°05.4'	258°36.5'	N 10°20.0'
9	289°02.5'	N 11°43.3'	97°22.8'	S 7°09.1'	31°34.6'	S 22°05.4'	273°37.3'	N 10°20.6'
10	304°05.2'	N 11°43.6'	112°25.4'	S 7°09.0'	46°36.9'	S 22°05.4'	288°38.0'	N 10°21.3'
11	319°07.9'	N 11°44.0'	127°28.1'	S 7°09.0'	61°39.2'	S 22°05.4'	303°38.8'	N 10°22.0'
12	334°10.7'	N 11°44.3'	142°30.7'	S 7°08.9'	76°41.6'	S 22°05.4'	318°39.5'	N 10°22.7'
13	349°13.4'	N 11°44.6'	157°33.4'	S 7°08.8'	91°43.9'	S 22°05.4'	333°40.3'	N 10°23.4'
14	4°16.1'	N 11°44.9'	172°36.0'	S 7°08.7'	106°46.2'	S 22°05.4'	348°41.1'	N 10°24.1'
15	19°18.9'	N 11°45.2'	187°38.7'	S 7°08.6'	121°48.5'	S 22°05.4'	3°41.8'	N 10°24.8'
16	34°21.6'	N 11°45.5'	202°41.3'	S 7°08.5'	136°50.9'	S 22°05.4'	18°42.6'	N 10°25.4'
17	49°24.4'	N 11°45.8'	217°44.0'	S 7°08.5'	151°53.2'	S 22°05.4'	33°43.3'	N 10°26.1'
18	64°27.1'	N 11°46.1'	232°46.6'	S 7°08.4'	166°55.5'	S 22°05.4'	48°44.1'	N 10°26.8'
19	79°29.9'	N 11°46.4'	247°49.3'	S 7°08.3'	181°57.9'	S 22°05.4'	63°44.8'	N 10°27.5'
20	94°32.6'	N 11°46.7'	262°51.9'	S 7°08.2'	197°00.2'	S 22°05.4'	78°45.6'	N 10°28.2'
21	109°35.4'	N 11°47.0'	277°54.6'	S 7°08.1'	212°02.5'	S 22°05.4'	93°46.3'	N 10°28.9'
22	124°38.1'	N 11°47.3'	292°57.2'	S 7°08.0'	227°04.8'	S 22°05.4'	108°47.1'	N 10°29.5'
23	139°40.9'	N 11°47.6'	307°59.9'	S 7°08.0'	242°07.2'	S 22°05.4'	123°47.9'	N 10°30.2'

Mon Mar 6, 2017 UTC

UTC	Venus -4.3		Jupiter -2.2		Saturn +0.5		Mars +1.3	
	v = 2.8' d = 0.3'		v = 2.7' d = 0.1'		v = 2.3' d = 0.0'		v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	154°43.7'	N 11°47.8'	323°02.6'	S 7°07.9'	257°09.5'	S 22°05.4'	138°48.6'	N 10°30.9'
1	169°46.5'	N 11°48.1'	338°05.2'	S 7°07.8'	272°11.8'	S 22°05.4'	153°49.4'	N 10°31.6'
2	184°49.2'	N 11°48.4'	353°07.9'	S 7°07.7'	287°14.2'	S 22°05.4'	168°50.1'	N 10°32.3'
3	199°52.0'	N 11°48.7'	8°10.5'	S 7°07.6'	302°16.5'	S 22°05.4'	183°50.9'	N 10°32.9'
4	214°54.8'	N 11°49.0'	23°13.2'	S 7°07.5'	317°18.8'	S 22°05.4'	198°51.6'	N 10°33.6'
5	229°57.6'	N 11°49.2'	38°15.8'	S 7°07.5'	332°21.1'	S 22°05.4'	213°52.4'	N 10°34.3'
6	245°00.4'	N 11°49.5'	53°18.5'	S 7°07.4'	347°23.5'	S 22°05.4'	228°53.1'	N 10°35.0'
7	260°03.2'	N 11°49.8'	68°21.1'	S 7°07.3'	2°25.8'	S 22°05.4'	243°53.9'	N 10°35.7'
8	275°06.0'	N 11°50.1'	83°23.8'	S 7°07.2'	17°28.1'	S 22°05.4'	258°54.6'	N 10°36.4'
9	290°08.8'	N 11°50.3'	98°26.5'	S 7°07.1'	32°30.5'	S 22°05.4'	273°55.4'	N 10°37.0'
10	305°11.6'	N 11°50.6'	113°29.1'	S 7°07.0'	47°32.8'	S 22°05.4'	288°56.2'	N 10°37.7'
11	320°14.4'	N 11°50.8'	128°31.8'	S 7°06.9'	62°35.1'	S 22°05.4'	303°56.9'	N 10°38.4'
12	335°17.3'	N 11°51.1'	143°34.4'	S 7°06.9'	77°37.4'	S 22°05.4'	318°57.7'	N 10°39.1'
13	350°20.1'	N 11°51.4'	158°37.1'	S 7°06.8'	92°39.8'	S 22°05.4'	333°58.4'	N 10°39.8'
14	5°22.9'	N 11°51.6'	173°39.7'	S 7°06.7'	107°42.1'	S 22°05.4'	348°59.2'	N 10°40.4'
15	20°25.7'	N 11°51.9'	188°42.4'	S 7°06.6'	122°44.4'	S 22°05.4'	3°59.9'	N 10°41.1'
16	35°28.6'	N 11°52.1'	203°45.1'	S 7°06.5'	137°46.8'	S 22°05.4'	19°00.7'	N 10°41.8'
17	50°31.4'	N 11°52.4'	218°47.7'	S 7°06.4'	152°49.1'	S 22°05.4'	34°01.4'	N 10°42.5'
18	65°34.2'	N 11°52.6'	233°50.4'	S 7°06.4'	167°51.4'	S 22°05.4'	49°02.2'	N 10°43.1'
19	80°37.1'	N 11°52.9'	248°53.0'	S 7°06.3'	182°53.8'	S 22°05.4'	64°02.9'	N 10°43.8'
20	95°39.9'	N 11°53.1'	263°55.7'	S 7°06.2'	197°56.1'	S 22°05.4'	79°03.7'	N 10°44.5'
21	110°42.8'	N 11°53.3'	278°58.3'	S 7°06.1'	212°58.4'	S 22°05.4'	94°04.5'	N 10°45.2'
22	125°45.7'	N 11°53.6'	294°01.0'	S 7°06.0'	228°00.8'	S 22°05.4'	109°05.2'	N 10°45.9'
23	140°48.5'	N 11°53.8'	309°03.7'	S 7°05.9'	243°03.1'	S 22°05.4'	124°06.0'	N 10°46.5'

Tue Mar 7, 2017 UTC

UTC	Venus -4.3 v = 2.9' d = 0.2'		Jupiter -2.2 v = 2.7' d = 0.1'		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	155°51.4'	N 11°54.0'	324°06.3'	S 7°05.8'	258°05.4'	S 22°05.4'	139°06.7'	N 10°47.2'
1	170°54.2'	N 11°54.3'	339°09.0'	S 7°05.8'	273°07.8'	S 22°05.4'	154°07.5'	N 10°47.9'
2	185°57.1'	N 11°54.5'	354°11.6'	S 7°05.7'	288°10.1'	S 22°05.4'	169°08.2'	N 10°48.6'
3	200°60.0'	N 11°54.7'	9°14.3'	S 7°05.6'	303°12.4'	S 22°05.4'	184°09.0'	N 10°49.3'
4	216°02.9'	N 11°55.0'	24°17.0'	S 7°05.5'	318°14.8'	S 22°05.4'	199°09.7'	N 10°49.9'
5	231°05.8'	N 11°55.2'	39°19.6'	S 7°05.4'	333°17.1'	S 22°05.4'	214°10.5'	N 10°50.6'
6	246°08.6'	N 11°55.4'	54°22.3'	S 7°05.3'	348°19.4'	S 22°05.4'	229°11.2'	N 10°51.3'
7	261°11.5'	N 11°55.6'	69°25.0'	S 7°05.2'	3°21.8'	S 22°05.4'	244°12.0'	N 10°52.0'
8	276°14.4'	N 11°55.8'	84°27.6'	S 7°05.1'	18°24.1'	S 22°05.4'	259°12.7'	N 10°52.6'
9	291°17.3'	N 11°56.0'	99°30.3'	S 7°05.1'	33°26.4'	S 22°05.4'	274°13.5'	N 10°53.3'
10	306°20.2'	N 11°56.2'	114°32.9'	S 7°05.0'	48°28.8'	S 22°05.4'	289°14.3'	N 10°54.0'
11	321°23.1'	N 11°56.5'	129°35.6'	S 7°04.9'	63°31.1'	S 22°05.4'	304°15.0'	N 10°54.7'
12	336°26.1'	N 11°56.7'	144°38.3'	S 7°04.8'	78°33.4'	S 22°05.4'	319°15.8'	N 10°55.3'
13	351°29.0'	N 11°56.9'	159°40.9'	S 7°04.7'	93°35.8'	S 22°05.4'	334°16.5'	N 10°56.0'
14	6°31.9'	N 11°57.1'	174°43.6'	S 7°04.6'	108°38.1'	S 22°05.4'	349°17.3'	N 10°56.7'
15	21°34.8'	N 11°57.3'	189°46.3'	S 7°04.5'	123°40.4'	S 22°05.4'	4°18.0'	N 10°57.4'
16	36°37.7'	N 11°57.5'	204°48.9'	S 7°04.5'	138°42.8'	S 22°05.4'	19°18.8'	N 10°58.0'
17	51°40.7'	N 11°57.6'	219°51.6'	S 7°04.4'	153°45.1'	S 22°05.4'	34°19.5'	N 10°58.7'
18	66°43.6'	N 11°57.8'	234°54.3'	S 7°04.3'	168°47.4'	S 22°05.4'	49°20.3'	N 10°59.4'
19	81°46.5'	N 11°58.0'	249°56.9'	S 7°04.2'	183°49.8'	S 22°05.4'	64°21.0'	N 11°00.1'
20	96°49.5'	N 11°58.2'	264°59.6'	S 7°04.1'	198°52.1'	S 22°05.4'	79°21.8'	N 11°00.7'
21	111°52.4'	N 11°58.4'	280°02.2'	S 7°04.0'	213°54.5'	S 22°05.4'	94°22.5'	N 11°01.4'
22	126°55.4'	N 11°58.6'	295°04.9'	S 7°03.9'	228°56.8'	S 22°05.4'	109°23.3'	N 11°02.1'
23	141°58.3'	N 11°58.8'	310°07.6'	S 7°03.8'	243°59.1'	S 22°05.4'	124°24.0'	N 11°02.8'

Wed Mar 8, 2017 UTC

UTC	Venus -4.3 v = 3.0' d = 0.1'		Jupiter -2.2 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.3' d = 0.0'		Mars +1.4 v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	157°01.3'	N 11°58.9'	325°10.2'	S 7°03.8'	259°01.5'	S 22°05.4'	139°24.8'	N 11°03.4'
1	172°04.2'	N 11°59.1'	340°12.9'	S 7°03.7'	274°03.8'	S 22°05.4'	154°25.5'	N 11°04.1'
2	187°07.2'	N 11°59.3'	355°15.6'	S 7°03.6'	289°06.1'	S 22°05.4'	169°26.3'	N 11°04.8'
3	202°10.2'	N 11°59.4'	10°18.2'	S 7°03.5'	304°08.5'	S 22°05.4'	184°27.0'	N 11°05.5'
4	217°13.2'	N 11°59.6'	25°20.9'	S 7°03.4'	319°10.8'	S 22°05.4'	199°27.8'	N 11°06.1'
5	232°16.1'	N 11°59.8'	40°23.6'	S 7°03.3'	334°13.1'	S 22°05.4'	214°28.6'	N 11°06.8'
6	247°19.1'	N 11°59.9'	55°26.2'	S 7°03.2'	349°15.5'	S 22°05.4'	229°29.3'	N 11°07.5'
7	262°22.1'	N 12°00.1'	70°28.9'	S 7°03.1'	4°17.8'	S 22°05.4'	244°30.1'	N 11°08.1'
8	277°25.1'	N 12°00.3'	85°31.6'	S 7°03.0'	19°20.2'	S 22°05.4'	259°30.8'	N 11°08.8'
9	292°28.1'	N 12°00.4'	100°34.2'	S 7°03.0'	34°22.5'	S 22°05.4'	274°31.6'	N 11°09.5'
10	307°31.1'	N 12°00.6'	115°36.9'	S 7°02.9'	49°24.8'	S 22°05.4'	289°32.3'	N 11°10.2'
11	322°34.1'	N 12°00.7'	130°39.6'	S 7°02.8'	64°27.2'	S 22°05.4'	304°33.1'	N 11°10.8'
12	337°37.1'	N 12°00.9'	145°42.3'	S 7°02.7'	79°29.5'	S 22°05.4'	319°33.8'	N 11°11.5'
13	352°40.1'	N 12°01.0'	160°44.9'	S 7°02.6'	94°31.9'	S 22°05.4'	334°34.6'	N 11°12.2'
14	7°43.1'	N 12°01.2'	175°47.6'	S 7°02.5'	109°34.2'	S 22°05.4'	349°35.3'	N 11°12.8'
15	22°46.1'	N 12°01.3'	190°50.3'	S 7°02.4'	124°36.5'	S 22°05.4'	4°36.1'	N 11°13.5'
16	37°49.1'	N 12°01.4'	205°52.9'	S 7°02.3'	139°38.9'	S 22°05.4'	19°36.8'	N 11°14.2'
17	52°52.1'	N 12°01.6'	220°55.6'	S 7°02.2'	154°41.2'	S 22°05.4'	34°37.6'	N 11°14.8'
18	67°55.2'	N 12°01.7'	235°58.3'	S 7°02.2'	169°43.5'	S 22°05.4'	49°38.3'	N 11°15.5'
19	82°58.2'	N 12°01.8'	251°00.9'	S 7°02.1'	184°45.9'	S 22°05.4'	64°39.1'	N 11°16.2'
20	98°01.2'	N 12°02.0'	266°03.6'	S 7°02.0'	199°48.2'	S 22°05.4'	79°39.8'	N 11°16.9'
21	113°04.3'	N 12°02.1'	281°06.3'	S 7°01.9'	214°50.6'	S 22°05.4'	94°40.6'	N 11°17.5'
22	128°07.3'	N 12°02.2'	296°08.9'	S 7°01.8'	229°52.9'	S 22°05.4'	109°41.3'	N 11°18.2'
23	143°10.3'	N 12°02.3'	311°11.6'	S 7°01.7'	244°55.2'	S 22°05.4'	124°42.1'	N 11°18.9'

Thu Mar 9, 2017 UTC

UTC	Venus -4.2 v = 3.1' d = 0.1'		Jupiter -2.2 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.3' d = 0.0'		Mars +1.4 v = 0.8' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	158°13.4'	N 12°02.5'	326°14.3'	S 7°01.6'	259°57.6'	S 22°05.4'	139°42.8'	N 11°19.5'
1	173°16.4'	N 12°02.6'	341°17.0'	S 7°01.5'	274°59.9'	S 22°05.4'	154°43.6'	N 11°20.2'
2	188°19.5'	N 12°02.7'	356°19.6'	S 7°01.4'	290°02.3'	S 22°05.4'	169°44.3'	N 11°20.9'
3	203°22.6'	N 12°02.8'	11°22.3'	S 7°01.3'	305°04.6'	S 22°05.4'	184°45.1'	N 11°21.5'
4	218°25.6'	N 12°02.9'	26°25.0'	S 7°01.3'	320°07.0'	S 22°05.4'	199°45.8'	N 11°22.2'
5	233°28.7'	N 12°03.0'	41°27.7'	S 7°01.2'	335°09.3'	S 22°05.4'	214°46.6'	N 11°22.9'
6	248°31.8'	N 12°03.1'	56°30.3'	S 7°01.1'	350°11.6'	S 22°05.4'	229°47.3'	N 11°23.5'
7	263°34.8'	N 12°03.2'	71°33.0'	S 7°01.0'	5°14.0'	S 22°05.4'	244°48.1'	N 11°24.2'
8	278°37.9'	N 12°03.3'	86°35.7'	S 7°00.9'	20°16.3'	S 22°05.4'	259°48.8'	N 11°24.9'
9	293°41.0'	N 12°03.4'	101°38.3'	S 7°00.8'	35°18.7'	S 22°05.4'	274°49.6'	N 11°25.5'
10	308°44.1'	N 12°03.5'	116°41.0'	S 7°00.7'	50°21.0'	S 22°05.4'	289°50.3'	N 11°26.2'
11	323°47.2'	N 12°03.6'	131°43.7'	S 7°00.6'	65°23.3'	S 22°05.4'	304°51.1'	N 11°26.9'
12	338°50.3'	N 12°03.7'	146°46.4'	S 7°00.5'	80°25.7'	S 22°05.4'	319°51.8'	N 11°27.5'
13	353°53.4'	N 12°03.8'	161°49.0'	S 7°00.4'	95°28.0'	S 22°05.4'	334°52.6'	N 11°28.2'
14	8°56.5'	N 12°03.9'	176°51.7'	S 7°00.3'	110°30.4'	S 22°05.4'	349°53.3'	N 11°28.9'
15	23°59.6'	N 12°04.0'	191°54.4'	S 7°00.3'	125°32.7'	S 22°05.4'	4°54.1'	N 11°29.5'
16	39°02.7'	N 12°04.0'	206°57.1'	S 7°00.2'	140°35.1'	S 22°05.4'	19°54.8'	N 11°30.2'
17	54°05.8'	N 12°04.1'	221°59.7'	S 7°00.1'	155°37.4'	S 22°05.4'	34°55.6'	N 11°30.9'
18	69°08.9'	N 12°04.2'	237°02.4'	S 6°60.0'	170°39.8'	S 22°05.4'	49°56.3'	N 11°31.5'
19	84°12.0'	N 12°04.3'	252°05.1'	S 6°59.9'	185°42.1'	S 22°05.4'	64°57.1'	N 11°32.2'
20	99°15.1'	N 12°04.3'	267°07.8'	S 6°59.8'	200°44.4'	S 22°05.4'	79°57.8'	N 11°32.9'
21	114°18.3'	N 12°04.4'	282°10.4'	S 6°59.7'	215°46.8'	S 22°05.4'	94°58.6'	N 11°33.5'
22	129°21.4'	N 12°04.5'	297°13.1'	S 6°59.6'	230°49.1'	S 22°05.4'	109°59.3'	N 11°34.2'
23	144°24.5'	N 12°04.5'	312°15.8'	S 6°59.5'	245°51.5'	S 22°05.4'	125°00.1'	N 11°34.9'

Fri Mar 10, 2017 UTC

UTC	Venus -4.2 v = 3.2' d = 0.0'		Jupiter -2.2 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.3' d = 0.0'		Mars +1.4 v = 0.7' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	159°27.7'	N 12°04.6'	327°18.5'	S 6°59.4'	260°53.8'	S 22°05.4'	140°00.8'	N 11°35.5'
1	174°30.8'	N 12°04.7'	342°21.2'	S 6°59.3'	275°56.2'	S 22°05.4'	155°01.6'	N 11°36.2'
2	189°34.0'	N 12°04.7'	357°23.8'	S 6°59.2'	290°58.5'	S 22°05.4'	170°02.3'	N 11°36.8'
3	204°37.1'	N 12°04.8'	12°26.5'	S 6°59.1'	306°00.9'	S 22°05.4'	185°03.1'	N 11°37.5'
4	219°40.3'	N 12°04.8'	27°29.2'	S 6°59.1'	321°03.2'	S 22°05.4'	200°03.8'	N 11°38.2'
5	234°43.4'	N 12°04.9'	42°31.9'	S 6°59.0'	336°05.5'	S 22°05.4'	215°04.6'	N 11°38.8'
6	249°46.6'	N 12°04.9'	57°34.5'	S 6°58.9'	351°07.9'	S 22°05.4'	230°05.3'	N 11°39.5'
7	264°49.7'	N 12°04.9'	72°37.2'	S 6°58.8'	6°10.2'	S 22°05.4'	245°06.1'	N 11°40.2'
8	279°52.9'	N 12°05.0'	87°39.9'	S 6°58.7'	21°12.6'	S 22°05.4'	260°06.8'	N 11°40.8'
9	294°56.1'	N 12°05.0'	102°42.6'	S 6°58.6'	36°14.9'	S 22°05.4'	275°07.6'	N 11°41.5'
10	309°59.2'	N 12°05.1'	117°45.3'	S 6°58.5'	51°17.3'	S 22°05.4'	290°08.3'	N 11°42.1'
11	325°02.4'	N 12°05.1'	132°47.9'	S 6°58.4'	66°19.6'	S 22°05.4'	305°09.1'	N 11°42.8'
12	340°05.6'	N 12°05.1'	147°50.6'	S 6°58.3'	81°22.0'	S 22°05.4'	320°09.8'	N 11°43.5'
13	355°08.8'	N 12°05.1'	162°53.3'	S 6°58.2'	96°24.3'	S 22°05.4'	335°10.6'	N 11°44.1'
14	10°12.0'	N 12°05.2'	177°56.0'	S 6°58.1'	111°26.7'	S 22°05.4'	350°11.3'	N 11°44.8'
15	25°15.2'	N 12°05.2'	192°58.7'	S 6°58.0'	126°29.0'	S 22°05.4'	5°12.1'	N 11°45.5'
16	40°18.4'	N 12°05.2'	208°01.3'	S 6°57.9'	141°31.4'	S 22°05.4'	20°12.8'	N 11°46.1'
17	55°21.6'	N 12°05.2'	223°04.0'	S 6°57.8'	156°33.7'	S 22°05.4'	35°13.6'	N 11°46.8'
18	70°24.8'	N 12°05.3'	238°06.7'	S 6°57.7'	171°36.1'	S 22°05.4'	50°14.3'	N 11°47.4'
19	85°28.0'	N 12°05.3'	253°09.4'	S 6°57.7'	186°38.4'	S 22°05.4'	65°15.1'	N 11°48.1'
20	100°31.2'	N 12°05.3'	268°12.1'	S 6°57.6'	201°40.7'	S 22°05.4'	80°15.8'	N 11°48.8'
21	115°34.4'	N 12°05.3'	283°14.7'	S 6°57.5'	216°43.1'	S 22°05.4'	95°16.6'	N 11°49.4'
22	130°37.6'	N 12°05.3'	298°17.4'	S 6°57.4'	231°45.4'	S 22°05.4'	110°17.3'	N 11°50.1'
23	145°40.8'	N 12°05.3'	313°20.1'	S 6°57.3'	246°47.8'	S 22°05.4'	125°18.0'	N 11°50.7'

Sat Mar 11, 2017 UTC

UTC	Venus -4.2 v = 3.3' d = 0.0'		Jupiter -2.2 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	160°44.1'	N 12°05.3'	328°22.8'	S 6°57.2'	261°50.1'	S 22°05.4'	140°18.8'	N 11°51.4'
1	175°47.3'	N 12°05.3'	343°25.5'	S 6°57.1'	276°52.5'	S 22°05.4'	155°19.5'	N 11°52.0'
2	190°50.5'	N 12°05.3'	358°28.2'	S 6°57.0'	291°54.8'	S 22°05.4'	170°20.3'	N 11°52.7'
3	205°53.8'	N 12°05.3'	13°30.8'	S 6°56.9'	306°57.2'	S 22°05.4'	185°21.0'	N 11°53.4'
4	220°57.0'	N 12°05.3'	28°33.5'	S 6°56.8'	321°59.5'	S 22°05.4'	200°21.8'	N 11°54.0'
5	236°00.2'	N 12°05.2'	43°36.2'	S 6°56.7'	337°01.9'	S 22°05.4'	215°22.5'	N 11°54.7'
6	251°03.5'	N 12°05.2'	58°38.9'	S 6°56.6'	352°04.2'	S 22°05.4'	230°23.3'	N 11°55.3'
7	266°06.7'	N 12°05.2'	73°41.6'	S 6°56.5'	7°06.6'	S 22°05.4'	245°24.0'	N 11°56.0'
8	281°10.0'	N 12°05.2'	88°44.3'	S 6°56.4'	22°08.9'	S 22°05.4'	260°24.8'	N 11°56.7'
9	296°13.2'	N 12°05.2'	103°46.9'	S 6°56.3'	37°11.3'	S 22°05.4'	275°25.5'	N 11°57.3'
10	311°16.5'	N 12°05.1'	118°49.6'	S 6°56.2'	52°13.6'	S 22°05.4'	290°26.3'	N 11°58.0'
11	326°19.8'	N 12°05.1'	133°52.3'	S 6°56.1'	67°16.0'	S 22°05.4'	305°27.0'	N 11°58.6'
12	341°23.0'	N 12°05.1'	148°55.0'	S 6°56.0'	82°18.3'	S 22°05.4'	320°27.8'	N 11°59.3'
13	356°26.3'	N 12°05.1'	163°57.7'	S 6°56.0'	97°20.7'	S 22°05.4'	335°28.5'	N 11°59.9'
14	11°29.6'	N 12°05.0'	179°00.4'	S 6°55.9'	112°23.0'	S 22°05.4'	350°29.3'	N 12°00.6'
15	26°32.9'	N 12°05.0'	194°03.1'	S 6°55.8'	127°25.4'	S 22°05.4'	5°30.0'	N 12°01.2'
16	41°36.1'	N 12°04.9'	209°05.7'	S 6°55.7'	142°27.8'	S 22°05.4'	20°30.8'	N 12°01.9'
17	56°39.4'	N 12°04.9'	224°08.4'	S 6°55.6'	157°30.1'	S 22°05.4'	35°31.5'	N 12°02.6'
18	71°42.7'	N 12°04.8'	239°11.1'	S 6°55.5'	172°32.5'	S 22°05.4'	50°32.2'	N 12°03.2'
19	86°46.0'	N 12°04.8'	254°13.8'	S 6°55.4'	187°34.8'	S 22°05.4'	65°33.0'	N 12°03.9'
20	101°49.3'	N 12°04.7'	269°16.5'	S 6°55.3'	202°37.2'	S 22°05.4'	80°33.7'	N 12°04.5'
21	116°52.6'	N 12°04.7'	284°19.2'	S 6°55.2'	217°39.5'	S 22°05.4'	95°34.5'	N 12°05.2'
22	131°55.9'	N 12°04.6'	299°21.9'	S 6°55.1'	232°41.9'	S 22°05.4'	110°35.2'	N 12°05.8'
23	146°59.2'	N 12°04.6'	314°24.5'	S 6°55.0'	247°44.2'	S 22°05.4'	125°36.0'	N 12°06.5'

Sun Mar 12, 2017 UTC

UTC	Venus -4.2 v = 3.4' d = 0.1'		Jupiter -2.2 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.7'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	162°02.5'	N 12°04.5'	329°27.2'	S 6°54.9'	262°46.6'	S 22°05.4'	140°36.7'	N 12°07.1'
1	177°05.8'	N 12°04.5'	344°29.9'	S 6°54.8'	277°48.9'	S 22°05.4'	155°37.5'	N 12°07.8'
2	192°09.1'	N 12°04.4'	359°32.6'	S 6°54.7'	292°51.3'	S 22°05.4'	170°38.2'	N 12°08.4'
3	207°12.5'	N 12°04.3'	14°35.3'	S 6°54.6'	307°53.6'	S 22°05.4'	185°39.0'	N 12°09.1'
4	222°15.8'	N 12°04.2'	29°38.0'	S 6°54.5'	322°56.0'	S 22°05.4'	200°39.7'	N 12°09.8'
5	237°19.1'	N 12°04.2'	44°40.7'	S 6°54.4'	337°58.3'	S 22°05.4'	215°40.5'	N 12°10.4'
6	252°22.4'	N 12°04.1'	59°43.4'	S 6°54.3'	353°00.7'	S 22°05.4'	230°41.2'	N 12°11.1'
7	267°25.8'	N 12°04.0'	74°46.1'	S 6°54.2'	8°03.0'	S 22°05.4'	245°41.9'	N 12°11.7'
8	282°29.1'	N 12°03.9'	89°48.7'	S 6°54.1'	23°05.4'	S 22°05.4'	260°42.7'	N 12°12.4'
9	297°32.4'	N 12°03.8'	104°51.4'	S 6°54.0'	38°07.8'	S 22°05.4'	275°43.4'	N 12°13.0'
10	312°35.8'	N 12°03.8'	119°54.1'	S 6°53.9'	53°10.1'	S 22°05.4'	290°44.2'	N 12°13.7'
11	327°39.1'	N 12°03.7'	134°56.8'	S 6°53.8'	68°12.5'	S 22°05.4'	305°44.9'	N 12°14.3'
12	342°42.5'	N 12°03.6'	149°59.5'	S 6°53.7'	83°14.8'	S 22°05.4'	320°45.7'	N 12°15.0'
13	357°45.8'	N 12°03.5'	165°02.2'	S 6°53.6'	98°17.2'	S 22°05.4'	335°46.4'	N 12°15.6'
14	12°49.2'	N 12°03.4'	180°04.9'	S 6°53.5'	113°19.5'	S 22°05.4'	350°47.2'	N 12°16.3'
15	27°52.6'	N 12°03.3'	195°07.6'	S 6°53.4'	128°21.9'	S 22°05.4'	5°47.9'	N 12°16.9'
16	42°55.9'	N 12°03.2'	210°10.3'	S 6°53.4'	143°24.2'	S 22°05.4'	20°48.6'	N 12°17.6'
17	57°59.3'	N 12°03.1'	225°13.0'	S 6°53.3'	158°26.6'	S 22°05.4'	35°49.4'	N 12°18.2'
18	73°02.7'	N 12°03.0'	240°15.6'	S 6°53.2'	173°29.0'	S 22°05.4'	50°50.1'	N 12°18.9'
19	88°06.0'	N 12°02.9'	255°18.3'	S 6°53.1'	188°31.3'	S 22°05.4'	65°50.9'	N 12°19.5'
20	103°09.4'	N 12°02.7'	270°21.0'	S 6°53.0'	203°33.7'	S 22°05.4'	80°51.6'	N 12°20.2'
21	118°12.8'	N 12°02.6'	285°23.7'	S 6°52.9'	218°36.0'	S 22°05.4'	95°52.4'	N 12°20.8'
22	133°16.2'	N 12°02.5'	300°26.4'	S 6°52.8'	233°38.4'	S 22°05.4'	110°53.1'	N 12°21.5'
23	148°19.6'	N 12°02.4'	315°29.1'	S 6°52.7'	248°40.7'	S 22°05.4'	125°53.9'	N 12°22.1'

Mon Mar 13, 2017 UTC

UTC	Venus -4.2 v = 3.4' d = 0.2'		Jupiter -2.2 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	163°22.9'	N 12°02.3'	330°31.8'	S 6°52.6'	263°43.1'	S 22°05.4'	140°54.6'	N 12°22.8'
1	178°26.3'	N 12°02.1'	345°34.5'	S 6°52.5'	278°45.5'	S 22°05.4'	155°55.4'	N 12°23.4'
2	193°29.7'	N 12°02.0'	0°37.2'	S 6°52.4'	293°47.8'	S 22°05.4'	170°56.1'	N 12°24.1'
3	208°33.1'	N 12°01.9'	15°39.9'	S 6°52.3'	308°50.2'	S 22°05.4'	185°56.8'	N 12°24.7'
4	223°36.5'	N 12°01.7'	30°42.6'	S 6°52.2'	323°52.5'	S 22°05.4'	200°57.6'	N 12°25.4'
5	238°39.9'	N 12°01.6'	45°45.3'	S 6°52.1'	338°54.9'	S 22°05.4'	215°58.3'	N 12°26.0'
6	253°43.4'	N 12°01.5'	60°48.0'	S 6°52.0'	353°57.2'	S 22°05.4'	230°59.1'	N 12°26.7'
7	268°46.8'	N 12°01.3'	75°50.7'	S 6°51.9'	8°59.6'	S 22°05.4'	245°59.8'	N 12°27.3'
8	283°50.2'	N 12°01.2'	90°53.3'	S 6°51.8'	24°02.0'	S 22°05.4'	261°00.6'	N 12°28.0'
9	298°53.6'	N 12°01.0'	105°56.0'	S 6°51.7'	39°04.3'	S 22°05.4'	276°01.3'	N 12°28.6'
10	313°57.0'	N 12°00.9'	120°58.7'	S 6°51.6'	54°06.7'	S 22°05.4'	291°02.0'	N 12°29.2'
11	329°00.4'	N 12°00.7'	136°01.4'	S 6°51.5'	69°09.0'	S 22°05.4'	306°02.8'	N 12°29.9'
12	344°03.9'	N 12°00.6'	151°04.1'	S 6°51.4'	84°11.4'	S 22°05.4'	321°03.5'	N 12°30.5'
13	359°07.3'	N 12°00.4'	166°06.8'	S 6°51.3'	99°13.8'	S 22°05.4'	336°04.3'	N 12°31.2'
14	14°10.7'	N 12°00.2'	181°09.5'	S 6°51.2'	114°16.1'	S 22°05.4'	351°05.0'	N 12°31.8'
15	29°14.2'	N 12°00.1'	196°12.2'	S 6°51.1'	129°18.5'	S 22°05.4'	6°05.8'	N 12°32.5'
16	44°17.6'	N 11°59.9'	211°14.9'	S 6°51.0'	144°20.8'	S 22°05.4'	21°06.5'	N 12°33.1'
17	59°21.1'	N 11°59.7'	226°17.6'	S 6°50.9'	159°23.2'	S 22°05.4'	36°07.3'	N 12°33.8'
18	74°24.5'	N 11°59.6'	241°20.3'	S 6°50.8'	174°25.6'	S 22°05.4'	51°08.0'	N 12°34.4'
19	89°28.0'	N 11°59.4'	256°23.0'	S 6°50.7'	189°27.9'	S 22°05.4'	66°08.7'	N 12°35.1'
20	104°31.4'	N 11°59.2'	271°25.7'	S 6°50.6'	204°30.3'	S 22°05.4'	81°09.5'	N 12°35.7'
21	119°34.9'	N 11°59.0'	286°28.4'	S 6°50.5'	219°32.6'	S 22°05.4'	96°10.2'	N 12°36.3'
22	134°38.3'	N 11°58.9'	301°31.1'	S 6°50.4'	234°35.0'	S 22°05.4'	111°11.0'	N 12°37.0'
23	149°41.8'	N 11°58.7'	316°33.8'	S 6°50.3'	249°37.4'	S 22°05.4'	126°11.7'	N 12°37.6'

Tue Mar 14, 2017 UTC

UTC	Venus -4.1 v = 3.5' d = 0.2'		Jupiter -2.2 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	164°45.3'	N 11°58.5'	331°36.5'	S 6°50.2'	264°39.7'	S 22°05.4'	141°12.5'	N 12°38.3'
1	179°48.7'	N 11°58.3'	346°39.2'	S 6°50.1'	279°42.1'	S 22°05.4'	156°13.2'	N 12°38.9'
2	194°52.2'	N 11°58.1'	1°41.9'	S 6°50.0'	294°44.4'	S 22°05.4'	171°13.9'	N 12°39.6'
3	209°55.7'	N 11°57.9'	16°44.6'	S 6°49.9'	309°46.8'	S 22°05.4'	186°14.7'	N 12°40.2'
4	224°59.2'	N 11°57.7'	31°47.3'	S 6°49.8'	324°49.2'	S 22°05.4'	201°15.4'	N 12°40.9'
5	240°02.6'	N 11°57.5'	46°50.0'	S 6°49.7'	339°51.5'	S 22°05.4'	216°16.2'	N 12°41.5'
6	255°06.1'	N 11°57.3'	61°52.7'	S 6°49.6'	354°53.9'	S 22°05.4'	231°16.9'	N 12°42.1'
7	270°09.6'	N 11°57.1'	76°55.4'	S 6°49.5'	9°56.3'	S 22°05.4'	246°17.6'	N 12°42.8'
8	285°13.1'	N 11°56.9'	91°58.1'	S 6°49.4'	24°58.6'	S 22°05.4'	261°18.4'	N 12°43.4'
9	300°16.6'	N 11°56.7'	107°00.8'	S 6°49.3'	40°01.0'	S 22°05.4'	276°19.1'	N 12°44.1'
10	315°20.1'	N 11°56.5'	122°03.5'	S 6°49.2'	55°03.4'	S 22°05.4'	291°19.9'	N 12°44.7'
11	330°23.6'	N 11°56.2'	137°06.2'	S 6°49.1'	70°05.7'	S 22°05.4'	306°20.6'	N 12°45.3'
12	345°27.1'	N 11°56.0'	152°08.9'	S 6°49.0'	85°08.1'	S 22°05.4'	321°21.4'	N 12°46.0'
13	0°30.6'	N 11°55.8'	167°11.6'	S 6°48.9'	100°10.4'	S 22°05.4'	336°22.1'	N 12°46.6'
14	15°34.1'	N 11°55.6'	182°14.3'	S 6°48.8'	115°12.8'	S 22°05.4'	351°22.8'	N 12°47.3'
15	30°37.6'	N 11°55.4'	197°17.0'	S 6°48.7'	130°15.2'	S 22°05.4'	6°23.6'	N 12°47.9'
16	45°41.1'	N 11°55.1'	212°19.7'	S 6°48.6'	145°17.5'	S 22°05.3'	21°24.3'	N 12°48.5'
17	60°44.6'	N 11°54.9'	227°22.4'	S 6°48.5'	160°19.9'	S 22°05.3'	36°25.1'	N 12°49.2'
18	75°48.2'	N 11°54.7'	242°25.1'	S 6°48.4'	175°22.3'	S 22°05.3'	51°25.8'	N 12°49.8'
19	90°51.7'	N 11°54.4'	257°27.8'	S 6°48.3'	190°24.6'	S 22°05.3'	66°26.5'	N 12°50.5'
20	105°55.2'	N 11°54.2'	272°30.5'	S 6°48.2'	205°27.0'	S 22°05.3'	81°27.3'	N 12°51.1'
21	120°58.7'	N 11°53.9'	287°33.2'	S 6°48.1'	220°29.4'	S 22°05.3'	96°28.0'	N 12°51.7'
22	136°02.3'	N 11°53.7'	302°35.9'	S 6°48.0'	235°31.7'	S 22°05.3'	111°28.8'	N 12°52.4'
23	151°05.8'	N 11°53.4'	317°38.6'	S 6°47.9'	250°34.1'	S 22°05.3'	126°29.5'	N 12°53.0'

Wed Mar 15, 2017 UTC

UTC	Venus -4.1 v = 3.6' d = 0.3'		Jupiter -2.2 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	166°09.3'	N 11°53.2'	332°41.3'	S 6°47.8'	265°36.5'	S 22°05.3'	141°30.3'	N 12°53.7'
1	181°12.9'	N 11°52.9'	347°44.0'	S 6°47.7'	280°38.8'	S 22°05.3'	156°31.0'	N 12°54.3'
2	196°16.4'	N 11°52.7'	2°46.7'	S 6°47.6'	295°41.2'	S 22°05.3'	171°31.7'	N 12°54.9'
3	211°20.0'	N 11°52.4'	17°49.4'	S 6°47.5'	310°43.6'	S 22°05.3'	186°32.5'	N 12°55.6'
4	226°23.5'	N 11°52.2'	32°52.1'	S 6°47.4'	325°45.9'	S 22°05.3'	201°33.2'	N 12°56.2'
5	241°27.1'	N 11°51.9'	47°54.8'	S 6°47.3'	340°48.3'	S 22°05.3'	216°34.0'	N 12°56.9'
6	256°30.6'	N 11°51.6'	62°57.5'	S 6°47.2'	355°50.7'	S 22°05.3'	231°34.7'	N 12°57.5'
7	271°34.2'	N 11°51.4'	78°00.2'	S 6°47.1'	10°53.0'	S 22°05.3'	246°35.4'	N 12°58.1'
8	286°37.7'	N 11°51.1'	93°02.9'	S 6°47.0'	25°55.4'	S 22°05.3'	261°36.2'	N 12°58.8'
9	301°41.3'	N 11°50.8'	108°05.6'	S 6°46.9'	40°57.8'	S 22°05.3'	276°36.9'	N 12°59.4'
10	316°44.9'	N 11°50.5'	123°08.3'	S 6°46.8'	56°00.1'	S 22°05.3'	291°37.7'	N 13°00.0'
11	331°48.4'	N 11°50.3'	138°11.0'	S 6°46.7'	71°02.5'	S 22°05.3'	306°38.4'	N 13°00.7'
12	346°52.0'	N 11°50.0'	153°13.7'	S 6°46.6'	86°04.9'	S 22°05.3'	321°39.1'	N 13°01.3'
13	1°55.6'	N 11°49.7'	168°16.4'	S 6°46.4'	101°07.2'	S 22°05.3'	336°39.9'	N 13°01.9'
14	16°59.2'	N 11°49.4'	183°19.1'	S 6°46.3'	116°09.6'	S 22°05.3'	351°40.6'	N 13°02.6'
15	32°02.7'	N 11°49.1'	198°21.8'	S 6°46.2'	131°12.0'	S 22°05.3'	6°41.4'	N 13°03.2'
16	47°06.3'	N 11°48.8'	213°24.6'	S 6°46.1'	146°14.3'	S 22°05.3'	21°42.1'	N 13°03.8'
17	62°09.9'	N 11°48.5'	228°27.3'	S 6°46.0'	161°16.7'	S 22°05.3'	36°42.8'	N 13°04.5'
18	77°13.5'	N 11°48.2'	243°30.0'	S 6°45.9'	176°19.1'	S 22°05.3'	51°43.6'	N 13°05.1'
19	92°17.1'	N 11°47.9'	258°32.7'	S 6°45.8'	191°21.4'	S 22°05.3'	66°44.3'	N 13°05.8'
20	107°20.7'	N 11°47.6'	273°35.4'	S 6°45.7'	206°23.8'	S 22°05.3'	81°45.1'	N 13°06.4'
21	122°24.3'	N 11°47.3'	288°38.1'	S 6°45.6'	221°26.2'	S 22°05.3'	96°45.8'	N 13°07.0'
22	137°27.9'	N 11°47.0'	303°40.8'	S 6°45.5'	236°28.5'	S 22°05.3'	111°46.5'	N 13°07.7'
23	152°31.5'	N 11°46.7'	318°43.5'	S 6°45.4'	251°30.9'	S 22°05.3'	126°47.3'	N 13°08.3'

Thu Mar 16, 2017 UTC

UTC	Venus -4.0 v = 3.6' d = 0.3'		Jupiter -2.3 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	167°35.1'	N 11°46.4'	333°46.2'	S 6°45.3'	266°33.3'	S 22°05.3'	141°48.0'	N 13°08.9'
1	182°38.7'	N 11°46.1'	348°48.9'	S 6°45.2'	281°35.7'	S 22°05.3'	156°48.7'	N 13°09.6'
2	197°42.3'	N 11°45.8'	3°51.6'	S 6°45.1'	296°38.0'	S 22°05.3'	171°49.5'	N 13°10.2'
3	212°45.9'	N 11°45.4'	18°54.3'	S 6°45.0'	311°40.4'	S 22°05.3'	186°50.2'	N 13°10.8'
4	227°49.5'	N 11°45.1'	33°57.0'	S 6°44.9'	326°42.8'	S 22°05.3'	201°51.0'	N 13°11.5'
5	242°53.1'	N 11°44.8'	48°59.7'	S 6°44.8'	341°45.1'	S 22°05.3'	216°51.7'	N 13°12.1'
6	257°56.7'	N 11°44.5'	64°02.4'	S 6°44.7'	356°47.5'	S 22°05.3'	231°52.4'	N 13°12.7'
7	273°00.4'	N 11°44.1'	79°05.2'	S 6°44.6'	11°49.9'	S 22°05.3'	246°53.2'	N 13°13.3'
8	288°04.0'	N 11°43.8'	94°07.9'	S 6°44.5'	26°52.3'	S 22°05.3'	261°53.9'	N 13°14.0'
9	303°07.6'	N 11°43.5'	109°10.6'	S 6°44.4'	41°54.6'	S 22°05.3'	276°54.7'	N 13°14.6'
10	318°11.2'	N 11°43.1'	124°13.3'	S 6°44.3'	56°57.0'	S 22°05.3'	291°55.4'	N 13°15.2'
11	333°14.9'	N 11°42.8'	139°16.0'	S 6°44.2'	71°59.4'	S 22°05.3'	306°56.1'	N 13°15.9'
12	348°18.5'	N 11°42.4'	154°18.7'	S 6°44.1'	87°01.7'	S 22°05.3'	321°56.9'	N 13°16.5'
13	3°22.1'	N 11°42.1'	169°21.4'	S 6°44.0'	102°04.1'	S 22°05.3'	336°57.6'	N 13°17.1'
14	18°25.8'	N 11°41.7'	184°24.1'	S 6°43.9'	117°06.5'	S 22°05.3'	351°58.3'	N 13°17.8'
15	33°29.4'	N 11°41.4'	199°26.8'	S 6°43.8'	132°08.9'	S 22°05.3'	6°59.1'	N 13°18.4'
16	48°33.1'	N 11°41.0'	214°29.5'	S 6°43.7'	147°11.2'	S 22°05.3'	21°59.8'	N 13°19.0'
17	63°36.7'	N 11°40.7'	229°32.3'	S 6°43.5'	162°13.6'	S 22°05.3'	37°00.6'	N 13°19.7'
18	78°40.4'	N 11°40.3'	244°35.0'	S 6°43.4'	177°16.0'	S 22°05.3'	52°01.3'	N 13°20.3'
19	93°44.0'	N 11°39.9'	259°37.7'	S 6°43.3'	192°18.3'	S 22°05.3'	67°02.0'	N 13°20.9'
20	108°47.7'	N 11°39.6'	274°40.4'	S 6°43.2'	207°20.7'	S 22°05.3'	82°02.8'	N 13°21.5'
21	123°51.3'	N 11°39.2'	289°43.1'	S 6°43.1'	222°23.1'	S 22°05.3'	97°03.5'	N 13°22.2'
22	138°55.0'	N 11°38.8'	304°45.8'	S 6°43.0'	237°25.5'	S 22°05.3'	112°04.2'	N 13°22.8'
23	153°58.6'	N 11°38.5'	319°48.5'	S 6°42.9'	252°27.8'	S 22°05.3'	127°05.0'	N 13°23.4'



Fri Mar 17, 2017 UTC

UTC	Venus -4.0 v = 3.7' d = 0.4'		Jupiter -2.3 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	169°02.3'	N 11°38.1'	334°51.2'	S 6°42.8'	267°30.2'	S 22°05.3'	142°05.7'	N 13°24.1'
1	184°06.0'	N 11°37.7'	349°53.9'	S 6°42.7'	282°32.6'	S 22°05.3'	157°06.5'	N 13°24.7'
2	199°09.6'	N 11°37.3'	4°56.7'	S 6°42.6'	297°35.0'	S 22°05.3'	172°07.2'	N 13°25.3'
3	214°13.3'	N 11°36.9'	19°59.4'	S 6°42.5'	312°37.3'	S 22°05.3'	187°07.9'	N 13°25.9'
4	229°17.0'	N 11°36.6'	35°02.1'	S 6°42.4'	327°39.7'	S 22°05.3'	202°08.7'	N 13°26.6'
5	244°20.6'	N 11°36.2'	50°04.8'	S 6°42.3'	342°42.1'	S 22°05.3'	217°09.4'	N 13°27.2'
6	259°24.3'	N 11°35.8'	65°07.5'	S 6°42.2'	357°44.5'	S 22°05.3'	232°10.1'	N 13°27.8'
7	274°28.0'	N 11°35.4'	80°10.2'	S 6°42.1'	12°46.8'	S 22°05.3'	247°10.9'	N 13°28.4'
8	289°31.7'	N 11°35.0'	95°12.9'	S 6°42.0'	27°49.2'	S 22°05.3'	262°11.6'	N 13°29.1'
9	304°35.3'	N 11°34.6'	110°15.6'	S 6°41.9'	42°51.6'	S 22°05.3'	277°12.4'	N 13°29.7'
10	319°39.0'	N 11°34.2'	125°18.4'	S 6°41.8'	57°54.0'	S 22°05.3'	292°13.1'	N 13°30.3'
11	334°42.7'	N 11°33.8'	140°21.1'	S 6°41.7'	72°56.3'	S 22°05.3'	307°13.8'	N 13°30.9'
12	349°46.4'	N 11°33.4'	155°23.8'	S 6°41.6'	87°58.7'	S 22°05.3'	322°14.6'	N 13°31.6'
13	4°50.1'	N 11°33.0'	170°26.5'	S 6°41.4'	103°01.1'	S 22°05.3'	337°15.3'	N 13°32.2'
14	19°53.8'	N 11°32.6'	185°29.2'	S 6°41.3'	118°03.5'	S 22°05.3'	352°16.0'	N 13°32.8'
15	34°57.5'	N 11°32.1'	200°31.9'	S 6°41.2'	133°05.9'	S 22°05.3'	7°16.8'	N 13°33.4'
16	50°01.2'	N 11°31.7'	215°34.6'	S 6°41.1'	148°08.2'	S 22°05.3'	22°17.5'	N 13°34.1'
17	65°04.9'	N 11°31.3'	230°37.4'	S 6°41.0'	163°10.6'	S 22°05.3'	37°18.2'	N 13°34.7'
18	80°08.6'	N 11°30.9'	245°40.1'	S 6°40.9'	178°13.0'	S 22°05.3'	52°19.0'	N 13°35.3'
19	95°12.3'	N 11°30.5'	260°42.8'	S 6°40.8'	193°15.4'	S 22°05.3'	67°19.7'	N 13°35.9'
20	110°16.0'	N 11°30.0'	275°45.5'	S 6°40.7'	208°17.7'	S 22°05.3'	82°20.4'	N 13°36.6'
21	125°19.7'	N 11°29.6'	290°48.2'	S 6°40.6'	223°20.1'	S 22°05.3'	97°21.2'	N 13°37.2'
22	140°23.4'	N 11°29.2'	305°50.9'	S 6°40.5'	238°22.5'	S 22°05.3'	112°21.9'	N 13°37.8'
23	155°27.1'	N 11°28.7'	320°53.6'	S 6°40.4'	253°24.9'	S 22°05.3'	127°22.7'	N 13°38.4'

Sat Mar 18, 2017 UTC

UTC	Venus -4.0 v = 3.7' d = 0.5'		Jupiter -2.3 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	170°30.8'	N 11°28.3'	335°56.4'	S 6°40.3'	268°27.3'	S 22°05.3'	142°23.4'	N 13°39.1'
1	185°34.5'	N 11°27.9'	350°59.1'	S 6°40.2'	283°29.6'	S 22°05.3'	157°24.1'	N 13°39.7'
2	200°38.3'	N 11°27.4'	6°01.8'	S 6°40.1'	298°32.0'	S 22°05.3'	172°24.9'	N 13°40.3'
3	215°42.0'	N 11°27.0'	21°04.5'	S 6°40.0'	313°34.4'	S 22°05.3'	187°25.6'	N 13°40.9'
4	230°45.7'	N 11°26.5'	36°07.2'	S 6°39.9'	328°36.8'	S 22°05.3'	202°26.3'	N 13°41.5'
5	245°49.4'	N 11°26.1'	51°09.9'	S 6°39.7'	343°39.1'	S 22°05.3'	217°27.1'	N 13°42.2'
6	260°53.2'	N 11°25.6'	66°12.7'	S 6°39.6'	358°41.5'	S 22°05.3'	232°27.8'	N 13°42.8'
7	275°56.9'	N 11°25.2'	81°15.4'	S 6°39.5'	13°43.9'	S 22°05.3'	247°28.5'	N 13°43.4'
8	291°00.6'	N 11°24.7'	96°18.1'	S 6°39.4'	28°46.3'	S 22°05.3'	262°29.3'	N 13°44.0'
9	306°04.3'	N 11°24.2'	111°20.8'	S 6°39.3'	43°48.7'	S 22°05.2'	277°30.0'	N 13°44.6'
10	321°08.1'	N 11°23.8'	126°23.5'	S 6°39.2'	58°51.0'	S 22°05.2'	292°30.7'	N 13°45.3'
11	336°11.8'	N 11°23.3'	141°26.2'	S 6°39.1'	73°53.4'	S 22°05.2'	307°31.5'	N 13°45.9'
12	351°15.5'	N 11°22.9'	156°29.0'	S 6°39.0'	88°55.8'	S 22°05.2'	322°32.2'	N 13°46.5'
13	6°19.3'	N 11°22.4'	171°31.7'	S 6°38.9'	103°58.2'	S 22°05.2'	337°32.9'	N 13°47.1'
14	21°23.0'	N 11°21.9'	186°34.4'	S 6°38.8'	119°00.6'	S 22°05.2'	352°33.7'	N 13°47.7'
15	36°26.8'	N 11°21.4'	201°37.1'	S 6°38.7'	134°03.0'	S 22°05.2'	7°34.4'	N 13°48.4'
16	51°30.5'	N 11°21.0'	216°39.8'	S 6°38.6'	149°05.3'	S 22°05.2'	22°35.1'	N 13°49.0'
17	66°34.3'	N 11°20.5'	231°42.6'	S 6°38.5'	164°07.7'	S 22°05.2'	37°35.9'	N 13°49.6'
18	81°38.0'	N 11°20.0'	246°45.3'	S 6°38.4'	179°10.1'	S 22°05.2'	52°36.6'	N 13°50.2'
19	96°41.8'	N 11°19.5'	261°48.0'	S 6°38.2'	194°12.5'	S 22°05.2'	67°37.3'	N 13°50.8'
20	111°45.5'	N 11°19.0'	276°50.7'	S 6°38.1'	209°14.9'	S 22°05.2'	82°38.1'	N 13°51.5'
21	126°49.3'	N 11°18.5'	291°53.4'	S 6°38.0'	224°17.2'	S 22°05.2'	97°38.8'	N 13°52.1'
22	141°53.0'	N 11°18.0'	306°56.2'	S 6°37.9'	239°19.6'	S 22°05.2'	112°39.5'	N 13°52.7'
23	156°56.8'	N 11°17.6'	321°58.9'	S 6°37.8'	254°22.0'	S 22°05.2'	127°40.3'	N 13°53.3'

Sun Mar 19, 2017 UTC

UTC	Venus -3.9 v = 3.8' d = 0.5'		Jupiter -2.3 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	172°00.5'	N 11°17.1'	337°01.6'	S 6°37.7'	269°24.4'	S 22°05.2'	142°41.0'	N 13°53.9'
1	187°04.3'	N 11°16.6'	352°04.3'	S 6°37.6'	284°26.8'	S 22°05.2'	157°41.7'	N 13°54.5'
2	202°08.0'	N 11°16.1'	7°07.0'	S 6°37.5'	299°29.2'	S 22°05.2'	172°42.5'	N 13°55.2'
3	217°11.8'	N 11°15.6'	22°09.8'	S 6°37.4'	314°31.5'	S 22°05.2'	187°43.2'	N 13°55.8'
4	232°15.6'	N 11°15.0'	37°12.5'	S 6°37.3'	329°33.9'	S 22°05.2'	202°43.9'	N 13°56.4'
5	247°19.3'	N 11°14.5'	52°15.2'	S 6°37.2'	344°36.3'	S 22°05.2'	217°44.7'	N 13°57.0'
6	262°23.1'	N 11°14.0'	67°17.9'	S 6°37.1'	359°38.7'	S 22°05.2'	232°45.4'	N 13°57.6'
7	277°26.9'	N 11°13.5'	82°20.6'	S 6°36.9'	14°41.1'	S 22°05.2'	247°46.1'	N 13°58.2'
8	292°30.6'	N 11°13.0'	97°23.4'	S 6°36.8'	29°43.5'	S 22°05.2'	262°46.9'	N 13°58.8'
9	307°34.4'	N 11°12.5'	112°26.1'	S 6°36.7'	44°45.8'	S 22°05.2'	277°47.6'	N 13°59.5'
10	322°38.2'	N 11°12.0'	127°28.8'	S 6°36.6'	59°48.2'	S 22°05.2'	292°48.3'	N 14°00.1'
11	337°42.0'	N 11°11.4'	142°31.5'	S 6°36.5'	74°50.6'	S 22°05.2'	307°49.1'	N 14°00.7'
12	352°45.7'	N 11°10.9'	157°34.2'	S 6°36.4'	89°53.0'	S 22°05.2'	322°49.8'	N 14°01.3'
13	7°49.5'	N 11°10.4'	172°37.0'	S 6°36.3'	104°55.4'	S 22°05.2'	337°50.5'	N 14°01.9'
14	22°53.3'	N 11°09.8'	187°39.7'	S 6°36.2'	119°57.8'	S 22°05.2'	352°51.3'	N 14°02.5'
15	37°57.1'	N 11°09.3'	202°42.4'	S 6°36.1'	135°00.2'	S 22°05.2'	7°52.0'	N 14°03.1'
16	53°00.9'	N 11°08.8'	217°45.1'	S 6°36.0'	150°02.5'	S 22°05.2'	22°52.7'	N 14°03.8'
17	68°04.6'	N 11°08.2'	232°47.9'	S 6°35.9'	165°04.9'	S 22°05.2'	37°53.5'	N 14°04.4'
18	83°08.4'	N 11°07.7'	247°50.6'	S 6°35.7'	180°07.3'	S 22°05.2'	52°54.2'	N 14°05.0'
19	98°12.2'	N 11°07.2'	262°53.3'	S 6°35.6'	195°09.7'	S 22°05.2'	67°54.9'	N 14°05.6'
20	113°16.0'	N 11°06.6'	277°56.0'	S 6°35.5'	210°12.1'	S 22°05.2'	82°55.6'	N 14°06.2'
21	128°19.8'	N 11°06.1'	292°58.8'	S 6°35.4'	225°14.5'	S 22°05.2'	97°56.4'	N 14°06.8'
22	143°23.6'	N 11°05.5'	308°01.5'	S 6°35.3'	240°16.9'	S 22°05.2'	112°57.1'	N 14°07.4'
23	158°27.4'	N 11°05.0'	323°04.2'	S 6°35.2'	255°19.2'	S 22°05.2'	127°57.8'	N 14°08.0'

Mon Mar 20, 2017 UTC

UTC	Venus -3.9 v = 3.8' d = 0.6'		Jupiter -2.3 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 1.2' d = 0.4'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	173°31.2'	N 11°04.4'	338°06.9'	S 6°35.1'	270°21.6'	S 22°05.2'	142°58.6'	N 14°08.7'
1	188°35.0'	N 11°03.9'	353°09.7'	S 6°35.0'	285°24.0'	S 22°05.2'	157°59.3'	N 14°09.3'
2	203°38.8'	N 11°03.3'	8°12.4'	S 6°34.9'	300°26.4'	S 22°05.2'	173°00.0'	N 14°09.9'
3	218°42.6'	N 11°02.7'	23°15.1'	S 6°34.8'	315°28.8'	S 22°05.2'	188°00.8'	N 14°10.5'
4	233°46.4'	N 11°02.2'	38°17.8'	S 6°34.7'	330°31.2'	S 22°05.2'	203°01.5'	N 14°11.1'
5	248°50.2'	N 11°01.6'	53°20.6'	S 6°34.5'	345°33.6'	S 22°05.2'	218°02.2'	N 14°11.7'
6	263°54.0'	N 11°01.0'	68°23.3'	S 6°34.4'	0°36.0'	S 22°05.2'	233°03.0'	N 14°12.3'
7	278°57.8'	N 11°00.5'	83°26.0'	S 6°34.3'	15°38.4'	S 22°05.2'	248°03.7'	N 14°12.9'
8	294°01.6'	N 10°59.9'	98°28.7'	S 6°34.2'	30°40.7'	S 22°05.2'	263°04.4'	N 14°13.5'
9	309°05.4'	N 10°59.3'	113°31.5'	S 6°34.1'	45°43.1'	S 22°05.2'	278°05.1'	N 14°14.1'
10	324°09.2'	N 10°58.7'	128°34.2'	S 6°34.0'	60°45.5'	S 22°05.2'	293°05.9'	N 14°14.8'
11	339°13.0'	N 10°58.2'	143°36.9'	S 6°33.9'	75°47.9'	S 22°05.2'	308°03.3'	N 14°16.8'
12	354°16.8'	N 10°57.6'	158°39.6'	S 6°33.8'	90°50.3'	S 22°05.2'	323°06.0'	N 14°16.6'
13	9°20.6'	N 10°57.0'	173°42.4'	S 6°33.7'	105°52.7'	S 22°05.2'	338°07.2'	N 14°16.9'
14	24°24.4'	N 10°56.4'	188°45.1'	S 6°33.6'	120°55.1'	S 22°05.2'	353°08.2'	N 14°17.5'
15	39°28.2'	N 10°55.8'	203°47.8'	S 6°33.4'	135°57.5'	S 22°05.2'	8°09.0'	N 14°18.0'
16	54°32.0'	N 10°55.2'	218°50.5'	S 6°33.3'	150°59.9'	S 22°05.2'	23°09.9'	N 14°18.6'
17	69°35.8'	N 10°54.6'	233°53.3'	S 6°33.2'	166°02.2'	S 22°05.2'	38°10.6'	N 14°19.2'
18	84°39.7'	N 10°54.1'	248°56.0'	S 6°33.1'	181°04.6'	S 22°05.2'	53°11.4'	N 14°19.7'
19	99°43.5'	N 10°53.5'	263°58.7'	S 6°33.0'	196°07.0'	S 22°05.2'	68°12.2'	N 14°20.3'
20	114°47.3'	N 10°52.9'	279°01.4'	S 6°32.9'	211°09.4'	S 22°05.2'	83°12.9'	N 14°20.9'
21	129°51.1'	N 10°52.3'	294°04.2'	S 6°32.8'	226°11.8'	S 22°05.2'	98°13.7'	N 14°21.5'
22	144°54.9'	N 10°51.6'	309°06.9'	S 6°32.7'	241°14.2'	S 22°05.2'	113°14.4'	N 14°22.1'
23	159°58.7'	N 10°51.0'	324°09.6'	S 6°32.6'	256°16.6'	S 22°05.2'	128°15.2'	N 14°22.7'

Tue Mar 21, 2017 UTC

UTC	Venus -3.9 v = 3.8' d = 0.6'		Jupiter -2.3 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	175°02.6'	N 10°50.4'	339°12.4'	S 6°32.4'	271°19.0'	S 22°05.2'	143°15.9'	N 14°23.3'
1	190°06.4'	N 10°49.8'	354°15.1'	S 6°32.3'	286°21.4'	S 22°05.2'	158°16.7'	N 14°23.9'
2	205°10.2'	N 10°49.2'	9°17.8'	S 6°32.2'	301°23.8'	S 22°05.2'	173°17.4'	N 14°24.5'
3	220°14.0'	N 10°48.6'	24°20.5'	S 6°32.1'	316°26.2'	S 22°05.2'	188°18.1'	N 14°25.1'
4	235°17.9'	N 10°48.0'	39°23.3'	S 6°32.0'	331°28.6'	S 22°05.2'	203°18.9'	N 14°25.7'
5	250°21.7'	N 10°47.4'	54°26.0'	S 6°31.9'	346°30.9'	S 22°05.2'	218°19.6'	N 14°26.3'
6	265°25.5'	N 10°46.7'	69°28.7'	S 6°31.8'	1°33.3'	S 22°05.1'	233°20.3'	N 14°26.9'
7	280°29.3'	N 10°46.1'	84°31.5'	S 6°31.7'	16°35.7'	S 22°05.1'	248°21.1'	N 14°27.5'
8	295°33.2'	N 10°45.5'	99°34.2'	S 6°31.6'	31°38.1'	S 22°05.1'	263°21.8'	N 14°28.1'
9	310°37.0'	N 10°44.9'	114°36.9'	S 6°31.5'	46°40.5'	S 22°05.1'	278°22.5'	N 14°28.7'
10	325°40.8'	N 10°44.2'	129°39.6'	S 6°31.3'	61°42.9'	S 22°05.1'	293°23.3'	N 14°29.3'
11	340°44.6'	N 10°43.6'	144°42.4'	S 6°31.2'	76°45.3'	S 22°05.1'	308°24.0'	N 14°29.9'
12	355°48.5'	N 10°43.0'	159°45.1'	S 6°31.1'	91°47.7'	S 22°05.1'	323°24.7'	N 14°30.5'
13	10°52.3'	N 10°42.3'	174°47.8'	S 6°31.0'	106°50.1'	S 22°05.1'	338°25.5'	N 14°31.1'
14	25°56.1'	N 10°41.7'	189°50.6'	S 6°30.9'	121°52.5'	S 22°05.1'	353°26.2'	N 14°31.7'
15	40°60.0'	N 10°41.0'	204°53.3'	S 6°30.8'	136°54.9'	S 22°05.1'	8°26.9'	N 14°32.3'
16	56°03.8'	N 10°40.4'	219°56.0'	S 6°30.7'	151°57.3'	S 22°05.1'	23°27.7'	N 14°32.9'
17	71°07.6'	N 10°39.8'	234°58.8'	S 6°30.6'	166°59.7'	S 22°05.1'	38°28.4'	N 14°33.5'
18	86°11.5'	N 10°39.1'	250°01.5'	S 6°30.4'	182°02.1'	S 22°05.1'	53°29.1'	N 14°34.1'
19	101°15.3'	N 10°38.5'	265°04.2'	S 6°30.3'	197°04.5'	S 22°05.1'	68°29.9'	N 14°34.7'
20	116°19.1'	N 10°37.8'	280°06.9'	S 6°30.2'	212°06.9'	S 22°05.1'	83°30.6'	N 14°35.3'
21	131°23.0'	N 10°37.2'	295°09.7'	S 6°30.1'	227°09.3'	S 22°05.1'	98°31.3'	N 14°35.9'
22	146°26.8'	N 10°36.5'	310°12.4'	S 6°30.0'	242°11.6'	S 22°05.1'	113°32.0'	N 14°36.5'
23	161°30.7'	N 10°35.8'	325°15.1'	S 6°29.9'	257°14.0'	S 22°05.1'	128°32.8'	N 14°37.1'

Wed Mar 22, 2017 UTC

UTC	Venus -3.8 v = 3.8' d = 0.7'		Jupiter -2.3 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	176°34.5'	N 10°35.2'	340°17.9'	S 6°29.8'	272°16.4'	S 22°05.1'	143°33.5'	N 14°37.7'
1	191°38.3'	N 10°34.5'	355°20.6'	S 6°29.7'	287°18.8'	S 22°05.1'	158°34.2'	N 14°38.3'
2	206°42.2'	N 10°33.9'	10°23.3'	S 6°29.6'	302°21.2'	S 22°05.1'	173°35.0'	N 14°38.9'
3	221°46.0'	N 10°33.2'	25°26.1'	S 6°29.4'	317°23.6'	S 22°05.1'	188°35.7'	N 14°39.5'
4	236°49.8'	N 10°32.5'	40°28.8'	S 6°29.3'	332°26.0'	S 22°05.1'	203°36.4'	N 14°40.1'
5	251°53.7'	N 10°31.9'	55°31.5'	S 6°29.2'	347°28.4'	S 22°05.1'	218°37.1'	N 14°40.7'
6	266°57.5'	N 10°31.2'	70°34.3'	S 6°29.1'	2°30.8'	S 22°05.1'	233°37.9'	N 14°41.3'
7	282°01.4'	N 10°30.5'	85°37.0'	S 6°29.0'	17°33.2'	S 22°05.1'	248°38.6'	N 14°41.9'
8	297°05.2'	N 10°29.8'	100°39.7'	S 6°28.9'	32°35.6'	S 22°05.1'	263°39.3'	N 14°42.5'
9	312°09.1'	N 10°29.2'	115°42.5'	S 6°28.8'	47°38.0'	S 22°05.1'	278°40.0'	N 14°43.1'
10	327°12.9'	N 10°28.5'	130°45.2'	S 6°28.7'	62°40.4'	S 22°05.1'	293°40.8'	N 14°43.7'
11	342°16.7'	N 10°27.8'	145°47.9'	S 6°28.5'	77°42.8'	S 22°05.1'	308°41.5'	N 14°44.3'
12	357°20.6'	N 10°27.1'	160°50.7'	S 6°28.4'	92°45.2'	S 22°05.1'	323°42.2'	N 14°44.9'
13	12°24.4'	N 10°26.4'	175°53.4'	S 6°28.3'	107°47.6'	S 22°05.1'	338°43.0'	N 14°45.5'
14	27°28.3'	N 10°25.7'	190°56.1'	S 6°28.2'	122°50.0'	S 22°05.1'	353°43.7'	N 14°46.1'
15	42°32.1'	N 10°25.0'	205°58.9'	S 6°28.1'	137°52.4'	S 22°05.1'	8°44.4'	N 14°46.7'
16	57°36.0'	N 10°24.3'	221°01.6'	S 6°28.0'	152°54.8'	S 22°05.1'	23°45.1'	N 14°47.3'
17	72°39.8'	N 10°23.7'	236°04.3'	S 6°27.9'	167°57.2'	S 22°05.1'	38°45.9'	N 14°47.9'
18	87°43.7'	N 10°23.0'	251°07.1'	S 6°27.7'	182°59.6'	S 22°05.1'	53°46.6'	N 14°48.5'
19	102°47.5'	N 10°22.3'	266°09.8'	S 6°27.6'	198°02.0'	S 22°05.1'	68°47.3'	N 14°49.1'
20	117°51.3'	N 10°21.6'	281°12.5'	S 6°27.5'	213°04.4'	S 22°05.1'	83°48.0'	N 14°49.7'
21	132°55.2'	N 10°20.9'	296°15.3'	S 6°27.4'	228°06.8'	S 22°05.1'	98°48.8'	N 14°50.3'
22	147°59.0'	N 10°20.2'	311°18.0'	S 6°27.3'	243°09.2'	S 22°05.1'	113°49.5'	N 14°50.9'
23	163°02.9'	N 10°19.4'	326°20.7'	S 6°27.2'	258°11.6'	S 22°05.1'	128°50.2'	N 14°51.5'

Thu Mar 23, 2017 UTC

UTC	Venus -3.8 v = 3.8' d = 0.7'		Jupiter -2.3 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	178°06.7'	N 10°18.7'	341°23.5'	S 6°27.1'	273°14.0'	S 22°05.1'	143°50.9'	N 14°52.1'
1	193°10.6'	N 10°18.0'	356°26.2'	S 6°27.0'	288°16.4'	S 22°05.1'	158°51.7'	N 14°52.6'
2	208°14.4'	N 10°17.3'	11°28.9'	S 6°26.8'	303°18.8'	S 22°05.1'	173°52.4'	N 14°53.2'
3	223°18.3'	N 10°16.6'	26°31.7'	S 6°26.7'	318°21.2'	S 22°05.1'	188°53.1'	N 14°53.8'
4	238°22.1'	N 10°15.9'	41°34.4'	S 6°26.6'	333°23.6'	S 22°05.1'	203°53.8'	N 14°54.4'
5	253°26.0'	N 10°15.2'	56°37.2'	S 6°26.5'	348°26.0'	S 22°05.1'	218°54.6'	N 14°55.0'
6	268°29.8'	N 10°14.5'	71°39.9'	S 6°26.4'	3°28.4'	S 22°05.1'	233°55.3'	N 14°55.6'
7	283°33.7'	N 10°13.7'	86°42.6'	S 6°26.3'	18°30.8'	S 22°05.1'	248°56.0'	N 14°56.2'
8	298°37.5'	N 10°13.0'	101°45.4'	S 6°26.2'	33°33.2'	S 22°05.1'	263°56.7'	N 14°56.8'
9	313°41.4'	N 10°12.3'	116°48.1'	S 6°26.0'	48°35.6'	S 22°05.1'	278°57.5'	N 14°57.4'
10	328°45.2'	N 10°11.6'	131°50.8'	S 6°25.9'	63°38.0'	S 22°05.1'	293°58.2'	N 14°58.0'
11	343°49.1'	N 10°10.8'	146°53.6'	S 6°25.8'	78°40.4'	S 22°05.1'	308°58.9'	N 14°58.6'
12	358°52.9'	N 10°10.1'	161°56.3'	S 6°25.7'	93°42.8'	S 22°05.1'	323°59.6'	N 14°59.2'
13	13°56.8'	N 10°09.4'	176°59.0'	S 6°25.6'	108°45.2'	S 22°05.1'	339°00.4'	N 14°59.8'
14	29°00.6'	N 10°08.6'	192°01.8'	S 6°25.5'	123°47.6'	S 22°05.1'	354°01.1'	N 15°00.3'
15	44°04.5'	N 10°07.9'	207°04.5'	S 6°25.4'	138°50.0'	S 22°05.1'	9°01.8'	N 15°00.9'
16	59°08.3'	N 10°07.2'	222°07.3'	S 6°25.3'	153°52.4'	S 22°05.1'	24°02.5'	N 15°01.5'
17	74°12.1'	N 10°06.4'	237°10.0'	S 6°25.1'	168°54.8'	S 22°05.1'	39°03.2'	N 15°02.1'
18	89°16.0'	N 10°05.7'	252°12.7'	S 6°25.0'	183°57.2'	S 22°05.0'	54°04.0'	N 15°02.7'
19	104°19.8'	N 10°04.9'	267°15.5'	S 6°24.9'	198°59.6'	S 22°05.0'	69°04.7'	N 15°03.3'
20	119°23.7'	N 10°04.2'	282°18.2'	S 6°24.8'	214°02.0'	S 22°05.0'	84°05.4'	N 15°03.9'
21	134°27.5'	N 10°03.5'	297°20.9'	S 6°24.7'	229°04.4'	S 22°05.0'	99°06.1'	N 15°04.5'
22	149°31.4'	N 10°02.7'	312°23.7'	S 6°24.6'	244°06.9'	S 22°05.0'	114°06.9'	N 15°05.1'
23	164°35.2'	N 10°02.0'	327°26.4'	S 6°24.5'	259°09.3'	S 22°05.0'	129°07.6'	N 15°05.6'

Fri Mar 24, 2017 UTC

UTC	Venus -3.8 v = 3.8' d = 0.8'		Jupiter -2.3 v = 2.7' d = 0.1'		Saturn +0.5 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	179°39.1'	N 10°01.2'	342°29.2'	S 6°24.3'	274°11.7'	S 22°05.0'	144°08.3'	N 15°06.2'
1	194°42.9'	N 10°00.5'	357°31.9'	S 6°24.2'	289°14.1'	S 22°05.0'	159°09.0'	N 15°06.8'
2	209°46.8'	N 9°59.7'	12°34.6'	S 6°24.1'	304°16.5'	S 22°05.0'	174°09.8'	N 15°07.4'
3	224°50.6'	N 9°58.9'	27°37.4'	S 6°24.0'	319°18.9'	S 22°05.0'	189°10.5'	N 15°08.0'
4	239°54.5'	N 9°58.2'	42°40.1'	S 6°23.9'	334°21.3'	S 22°05.0'	204°11.2'	N 15°08.6'
5	254°58.3'	N 9°57.4'	57°42.9'	S 6°23.8'	349°23.7'	S 22°05.0'	219°11.9'	N 15°09.2'
6	270°02.1'	N 9°56.7'	72°45.6'	S 6°23.6'	4°26.1'	S 22°05.0'	234°12.6'	N 15°09.8'
7	285°06.0'	N 9°55.9'	87°48.3'	S 6°23.5'	19°28.5'	S 22°05.0'	249°13.4'	N 15°10.3'
8	300°09.8'	N 9°55.1'	102°51.1'	S 6°23.4'	34°30.9'	S 22°05.0'	264°14.1'	N 15°10.9'
9	315°13.7'	N 9°54.4'	117°53.8'	S 6°23.3'	49°33.3'	S 22°05.0'	279°14.8'	N 15°11.5'
10	330°17.5'	N 9°53.6'	132°56.6'	S 6°23.2'	64°35.7'	S 22°05.0'	294°15.5'	N 15°12.1'
11	345°21.4'	N 9°52.8'	147°59.3'	S 6°23.1'	79°38.1'	S 22°05.0'	309°16.3'	N 15°12.7'
12	0°25.2'	N 9°52.1'	163°02.0'	S 6°23.0'	94°40.5'	S 22°05.0'	324°17.0'	N 15°13.3'
13	15°29.0'	N 9°51.3'	178°04.8'	S 6°22.8'	109°42.9'	S 22°05.0'	339°17.7'	N 15°13.9'
14	30°32.9'	N 9°50.5'	193°07.5'	S 6°22.7'	124°45.3'	S 22°05.0'	354°18.4'	N 15°14.4'
15	45°36.7'	N 9°49.7'	208°10.3'	S 6°22.6'	139°47.8'	S 22°05.0'	9°19.1'	N 15°15.0'
16	60°40.6'	N 9°49.0'	223°13.0'	S 6°22.5'	154°50.2'	S 22°05.0'	24°19.9'	N 15°15.6'
17	75°44.4'	N 9°48.2'	238°15.7'	S 6°22.4'	169°52.6'	S 22°05.0'	39°20.6'	N 15°16.2'
18	90°48.3'	N 9°47.4'	253°18.5'	S 6°22.3'	184°55.0'	S 22°05.0'	54°21.3'	N 15°16.8'
19	105°52.1'	N 9°46.6'	268°21.2'	S 6°22.2'	199°57.4'	S 22°05.0'	69°22.0'	N 15°17.4'
20	120°55.9'	N 9°45.8'	283°24.0'	S 6°22.0'	214°59.8'	S 22°05.0'	84°22.7'	N 15°17.9'
21	135°59.8'	N 9°45.1'	298°26.7'	S 6°21.9'	230°02.2'	S 22°05.0'	99°23.5'	N 15°18.5'
22	151°03.6'	N 9°44.3'	313°29.4'	S 6°21.8'	245°04.6'	S 22°05.0'	114°24.2'	N 15°19.1'
23	166°07.4'	N 9°43.5'	328°32.2'	S 6°21.7'	260°07.0'	S 22°05.0'	129°24.9'	N 15°19.7'

Sat Mar 25, 2017 UTC

UTC	Venus -3.8 v = 3.8' d = 0.8'		Jupiter -2.3 v = 2.7' d = 0.1'		Saturn +0.4 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	181°11.3'	N 9°42.7'	343°34.9'	S 6°21.6'	275°09.4'	S 22°05.0'	144°25.6'	N 15°20.3'
1	196°15.1'	N 9°41.9'	358°37.7'	S 6°21.5'	290°11.8'	S 22°05.0'	159°26.3'	N 15°20.9'
2	211°18.9'	N 9°41.1'	13°40.4'	S 6°21.3'	305°14.3'	S 22°05.0'	174°27.1'	N 15°21.4'
3	226°22.8'	N 9°40.3'	28°43.1'	S 6°21.2'	320°16.7'	S 22°05.0'	189°27.8'	N 15°22.0'
4	241°26.6'	N 9°39.5'	43°45.9'	S 6°21.1'	335°19.1'	S 22°05.0'	204°28.5'	N 15°22.6'
5	256°30.5'	N 9°38.7'	58°48.6'	S 6°21.0'	350°21.5'	S 22°05.0'	219°29.2'	N 15°23.2'
6	271°34.3'	N 9°37.9'	73°51.4'	S 6°20.9'	5°23.9'	S 22°05.0'	234°29.9'	N 15°23.8'
7	286°38.1'	N 9°37.1'	88°54.1'	S 6°20.8'	20°26.3'	S 22°05.0'	249°30.7'	N 15°24.3'
8	301°41.9'	N 9°36.3'	103°56.9'	S 6°20.6'	35°28.7'	S 22°05.0'	264°31.4'	N 15°24.9'
9	316°45.8'	N 9°35.5'	118°59.6'	S 6°20.5'	50°31.1'	S 22°05.0'	279°32.1'	N 15°25.5'
10	331°49.6'	N 9°34.7'	134°02.3'	S 6°20.4'	65°33.5'	S 22°05.0'	294°32.8'	N 15°26.1'
11	346°53.4'	N 9°33.9'	149°05.1'	S 6°20.3'	80°35.9'	S 22°05.0'	309°33.5'	N 15°26.7'
12	1°57.3'	N 9°33.1'	164°07.8'	S 6°20.2'	95°38.4'	S 22°05.0'	324°34.3'	N 15°27.2'
13	17°01.1'	N 9°32.3'	179°10.6'	S 6°20.1'	110°40.8'	S 22°05.0'	339°35.0'	N 15°27.8'
14	32°04.9'	N 9°31.5'	194°13.3'	S 6°20.0'	125°43.2'	S 22°05.0'	354°35.7'	N 15°28.4'
15	47°08.7'	N 9°30.7'	209°16.1'	S 6°19.8'	140°45.6'	S 22°05.0'	9°36.4'	N 15°29.0'
16	62°12.6'	N 9°29.9'	224°18.8'	S 6°19.7'	155°48.0'	S 22°05.0'	24°37.1'	N 15°29.5'
17	77°16.4'	N 9°29.0'	239°21.5'	S 6°19.6'	170°50.4'	S 22°05.0'	39°37.9'	N 15°30.1'
18	92°20.2'	N 9°28.2'	254°24.3'	S 6°19.5'	185°52.8'	S 22°05.0'	54°38.6'	N 15°30.7'
19	107°24.0'	N 9°27.4'	269°27.0'	S 6°19.4'	200°55.2'	S 22°05.0'	69°39.3'	N 15°31.3'
20	122°27.9'	N 9°26.6'	284°29.8'	S 6°19.3'	215°57.7'	S 22°05.0'	84°40.0'	N 15°31.9'
21	137°31.7'	N 9°25.8'	299°32.5'	S 6°19.1'	231°00.1'	S 22°05.0'	99°40.7'	N 15°32.4'
22	152°35.5'	N 9°24.9'	314°35.3'	S 6°19.0'	246°02.5'	S 22°05.0'	114°41.4'	N 15°33.0'
23	167°39.3'	N 9°24.1'	329°38.0'	S 6°18.9'	261°04.9'	S 22°05.0'	129°42.2'	N 15°33.6'

Sun Mar 26, 2017 UTC

UTC	Venus -3.8 v = 3.8' d = 0.8'		Jupiter -2.3 v = 2.7' d = 0.1'		Saturn +0.4 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	182°43.1'	N 9°23.3'	344°40.8'	S 6°18.8'	276°07.3'	S 22°04.9'	144°42.9'	N 15°34.2'
1	197°46.9'	N 9°22.5'	359°43.5'	S 6°18.7'	291°09.7'	S 22°04.9'	159°43.6'	N 15°34.7'
2	212°50.8'	N 9°21.6'	14°46.2'	S 6°18.6'	306°12.1'	S 22°04.9'	174°44.3'	N 15°35.3'
3	227°54.6'	N 9°20.8'	29°49.0'	S 6°18.4'	321°14.6'	S 22°04.9'	189°45.0'	N 15°35.9'
4	242°58.4'	N 9°20.0'	44°51.7'	S 6°18.3'	336°17.0'	S 22°04.9'	204°45.8'	N 15°36.5'
5	258°02.2'	N 9°19.2'	59°54.5'	S 6°18.2'	351°19.4'	S 22°04.9'	219°46.5'	N 15°37.0'
6	273°06.0'	N 9°18.3'	74°57.2'	S 6°18.1'	6°21.8'	S 22°04.9'	234°47.2'	N 15°37.6'
7	288°09.8'	N 9°17.5'	89°60.0'	S 6°18.0'	21°24.2'	S 22°04.9'	249°47.9'	N 15°38.2'
8	303°13.6'	N 9°16.7'	105°02.7'	S 6°17.9'	36°26.6'	S 22°04.9'	264°48.6'	N 15°38.8'
9	318°17.4'	N 9°15.8'	120°05.5'	S 6°17.7'	51°29.0'	S 22°04.9'	279°49.3'	N 15°39.3'
10	333°21.2'	N 9°15.0'	135°08.2'	S 6°17.6'	66°31.5'	S 22°04.9'	294°50.1'	N 15°39.9'
11	348°25.0'	N 9°14.1'	150°11.0'	S 6°17.5'	81°33.9'	S 22°04.9'	309°50.8'	N 15°40.5'
12	3°28.8'	N 9°13.3'	165°13.7'	S 6°17.4'	96°36.3'	S 22°04.9'	324°51.5'	N 15°41.1'
13	18°32.7'	N 9°12.5'	180°16.4'	S 6°17.3'	111°38.7'	S 22°04.9'	339°52.2'	N 15°41.6'
14	33°36.5'	N 9°11.6'	195°19.2'	S 6°17.2'	126°41.1'	S 22°04.9'	354°52.9'	N 15°42.2'
15	48°40.3'	N 9°10.8'	210°21.9'	S 6°17.0'	141°43.5'	S 22°04.9'	9°53.6'	N 15°42.8'
16	63°44.1'	N 9°09.9'	225°24.7'	S 6°16.9'	156°46.0'	S 22°04.9'	24°54.4'	N 15°43.3'
17	78°47.9'	N 9°09.1'	240°27.4'	S 6°16.8'	171°48.4'	S 22°04.9'	39°55.1'	N 15°43.9'
18	93°51.6'	N 9°08.2'	255°30.2'	S 6°16.7'	186°50.8'	S 22°04.9'	54°55.8'	N 15°44.5'
19	108°55.4'	N 9°07.4'	270°32.9'	S 6°16.6'	201°53.2'	S 22°04.9'	69°56.5'	N 15°45.1'
20	123°59.2'	N 9°06.6'	285°35.7'	S 6°16.5'	216°55.6'	S 22°04.9'	84°57.2'	N 15°45.6'
21	139°03.0'	N 9°05.7'	300°38.4'	S 6°16.3'	231°58.0'	S 22°04.9'	99°57.9'	N 15°46.2'
22	154°06.8'	N 9°04.9'	315°41.2'	S 6°16.2'	247°00.5'	S 22°04.9'	114°58.7'	N 15°46.8'
23	169°10.6'	N 9°04.0'	330°43.9'	S 6°16.1'	262°02.9'	S 22°04.9'	129°59.4'	N 15°47.3'

Mon Mar 27, 2017 UTC

UTC	Venus -3.9 v = 3.8' d = 0.9'		Jupiter -2.3 v = 2.7' d = 0.1'		Saturn +0.4 v = 2.4' d = 0.0'		Mars +1.4 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	184°14.4'	N 9°03.1'	345°46.7'	S 6°16.0'	277°05.3'	S 22°04.9'	145°00.1'	N 15°47.9'
1	199°18.2'	N 9°02.3'	0°49.4'	S 6°15.9'	292°07.7'	S 22°04.9'	160°00.8'	N 15°48.5'
2	214°22.0'	N 9°01.4'	15°52.1'	S 6°15.7'	307°10.1'	S 22°04.9'	175°01.5'	N 15°49.0'
3	229°25.8'	N 9°00.6'	30°54.9'	S 6°15.6'	322°12.6'	S 22°04.9'	190°02.2'	N 15°49.6'
4	244°29.5'	N 8°59.7'	45°57.6'	S 6°15.5'	337°15.0'	S 22°04.9'	205°02.9'	N 15°50.2'
5	259°33.3'	N 8°58.9'	61°00.4'	S 6°15.4'	352°17.4'	S 22°04.9'	220°03.7'	N 15°50.8'
6	274°37.1'	N 8°58.0'	76°03.1'	S 6°15.3'	7°19.8'	S 22°04.9'	235°04.4'	N 15°51.3'
7	289°40.9'	N 8°57.1'	91°05.9'	S 6°15.2'	22°22.2'	S 22°04.9'	250°05.1'	N 15°51.9'
8	304°44.7'	N 8°56.3'	106°08.6'	S 6°15.0'	37°24.7'	S 22°04.9'	265°05.8'	N 15°52.5'
9	319°48.4'	N 8°55.4'	121°11.4'	S 6°14.9'	52°27.1'	S 22°04.9'	280°06.5'	N 15°53.0'
10	334°52.2'	N 8°54.6'	136°14.1'	S 6°14.8'	67°29.5'	S 22°04.9'	295°07.2'	N 15°53.6'
11	349°56.0'	N 8°53.7'	151°16.9'	S 6°14.7'	82°31.9'	S 22°04.9'	310°07.9'	N 15°54.2'
12	4°59.8'	N 8°52.8'	166°19.6'	S 6°14.6'	97°34.3'	S 22°04.9'	325°08.7'	N 15°54.7'
13	20°03.5'	N 8°52.0'	181°22.4'	S 6°14.5'	112°36.8'	S 22°04.9'	340°09.4'	N 15°55.3'
14	35°07.3'	N 8°51.1'	196°25.1'	S 6°14.3'	127°39.2'	S 22°04.9'	355°10.1'	N 15°55.9'
15	50°11.1'	N 8°50.2'	211°27.9'	S 6°14.2'	142°41.6'	S 22°04.9'	10°10.8'	N 15°56.4'
16	65°14.8'	N 8°49.4'	226°30.6'	S 6°14.1'	157°44.0'	S 22°04.9'	25°11.5'	N 15°57.0'
17	80°18.6'	N 8°48.5'	241°33.4'	S 6°14.0'	172°46.4'	S 22°04.9'	40°12.2'	N 15°57.6'
18	95°22.4'	N 8°47.6'	256°36.1'	S 6°13.9'	187°48.9'	S 22°04.9'	55°12.9'	N 15°58.1'
19	110°26.1'	N 8°46.7'	271°38.9'	S 6°13.7'	202°51.3'	S 22°04.9'	70°13.7'	N 15°58.7'
20	125°29.9'	N 8°45.9'	286°41.6'	S 6°13.6'	217°53.7'	S 22°04.9'	85°14.4'	N 15°59.3'
21	140°33.6'	N 8°45.0'	301°44.4'	S 6°13.5'	232°56.1'	S 22°04.9'	100°15.1'	N 15°59.8'
22	155°37.4'	N 8°44.1'	316°47.1'	S 6°13.4'	247°58.5'	S 22°04.9'	115°15.8'	N 16°00.4'
23	170°41.1'	N 8°43.2'	331°49.9'	S 6°13.3'	263°01.0'	S 22°04.9'	130°16.5'	N 16°00.9'

Tue Mar 28, 2017 UTC

UTC	Venus -3.9 v = 3.7' d = 0.9'		Jupiter -2.3 v = 2.8' d = 0.1'		Saturn +0.4 v = 2.4' d = 0.0'		Mars +1.5 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	185°44.9'	N 8°42.4'	346°52.6'	S 6°13.2'	278°03.4'	S 22°04.9'	145°17.2'	N 16°01.5'
1	200°48.6'	N 8°41.5'	1°55.4'	S 6°13.0'	293°05.8'	S 22°04.9'	160°17.9'	N 16°02.1'
2	215°52.4'	N 8°40.6'	16°58.1'	S 6°12.9'	308°08.2'	S 22°04.8'	175°18.7'	N 16°02.6'
3	230°56.1'	N 8°39.7'	32°00.9'	S 6°12.8'	323°10.7'	S 22°04.8'	190°19.4'	N 16°03.2'
4	245°59.9'	N 8°38.9'	47°03.6'	S 6°12.7'	338°13.1'	S 22°04.8'	205°20.1'	N 16°03.8'
5	261°03.6'	N 8°38.0'	62°06.4'	S 6°12.6'	353°15.5'	S 22°04.8'	220°20.8'	N 16°04.3'
6	276°07.4'	N 8°37.1'	77°09.1'	S 6°12.4'	8°17.9'	S 22°04.8'	235°21.5'	N 16°04.9'
7	291°11.1'	N 8°36.2'	92°11.9'	S 6°12.3'	23°20.4'	S 22°04.8'	250°22.2'	N 16°05.4'
8	306°14.8'	N 8°35.3'	107°14.6'	S 6°12.2'	38°22.8'	S 22°04.8'	265°22.9'	N 16°06.0'
9	321°18.6'	N 8°34.4'	122°17.4'	S 6°12.1'	53°25.2'	S 22°04.8'	280°23.6'	N 16°06.6'
10	336°22.3'	N 8°33.6'	137°20.1'	S 6°12.0'	68°27.6'	S 22°04.8'	295°24.4'	N 16°07.1'
11	351°26.1'	N 8°32.7'	152°22.9'	S 6°11.9'	83°30.1'	S 22°04.8'	310°25.1'	N 16°07.7'
12	6°29.8'	N 8°31.8'	167°25.6'	S 6°11.7'	98°32.5'	S 22°04.8'	325°25.8'	N 16°08.2'
13	21°33.5'	N 8°30.9'	182°28.4'	S 6°11.6'	113°34.9'	S 22°04.8'	340°26.5'	N 16°08.8'
14	36°37.2'	N 8°30.0'	197°31.1'	S 6°11.5'	128°37.3'	S 22°04.8'	355°27.2'	N 16°09.4'
15	51°41.0'	N 8°29.1'	212°33.9'	S 6°11.4'	143°39.8'	S 22°04.8'	10°27.9'	N 16°09.9'
16	66°44.7'	N 8°28.2'	227°36.6'	S 6°11.3'	158°42.2'	S 22°04.8'	25°28.6'	N 16°10.5'
17	81°48.4'	N 8°27.3'	242°39.4'	S 6°11.1'	173°44.6'	S 22°04.8'	40°29.3'	N 16°11.0'
18	96°52.1'	N 8°26.4'	257°42.1'	S 6°11.0'	188°47.0'	S 22°04.8'	55°30.1'	N 16°11.6'
19	111°55.8'	N 8°25.6'	272°44.9'	S 6°10.9'	203°49.5'	S 22°04.8'	70°30.8'	N 16°12.2'
20	126°59.6'	N 8°24.7'	287°47.6'	S 6°10.8'	218°51.9'	S 22°04.8'	85°31.5'	N 16°12.7'
21	142°03.3'	N 8°23.8'	302°50.4'	S 6°10.7'	233°54.3'	S 22°04.8'	100°32.2'	N 16°13.3'
22	157°07.0'	N 8°22.9'	317°53.1'	S 6°10.5'	248°56.7'	S 22°04.8'	115°32.9'	N 16°13.8'
23	172°10.7'	N 8°22.0'	332°55.9'	S 6°10.4'	263°59.2'	S 22°04.8'	130°33.6'	N 16°14.4'

Wed Mar 29, 2017 UTC

UTC	Venus -3.9 v = 3.7' d = 0.9'		Jupiter -2.3 v = 2.8' d = 0.1'		Saturn +0.4 v = 2.4' d = 0.0'		Mars +1.5 v = 0.7' d = 0.6'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	187°14.4'	N 8°21.1'	347°58.6'	S 6°10.3'	279°01.6'	S 22°04.8'	145°34.3'	N 16°15.0'
1	202°18.1'	N 8°20.2'	3°01.4'	S 6°10.2'	294°04.0'	S 22°04.8'	160°35.0'	N 16°15.5'
2	217°21.8'	N 8°19.3'	18°04.1'	S 6°10.1'	309°06.4'	S 22°04.8'	175°35.7'	N 16°16.1'
3	232°25.5'	N 8°18.4'	33°06.9'	S 6°09.9'	324°08.9'	S 22°04.8'	190°36.5'	N 16°16.6'
4	247°29.2'	N 8°17.5'	48°09.6'	S 6°09.8'	339°11.3'	S 22°04.8'	205°37.2'	N 16°17.2'
5	262°32.9'	N 8°16.6'	63°12.4'	S 6°09.7'	354°13.7'	S 22°04.8'	220°37.9'	N 16°17.7'
6	277°36.6'	N 8°15.7'	78°15.1'	S 6°09.6'	9°16.2'	S 22°04.8'	235°38.6'	N 16°18.3'
7	292°40.3'	N 8°14.8'	93°17.9'	S 6°09.5'	24°18.6'	S 22°04.8'	250°39.3'	N 16°18.8'
8	307°44.0'	N 8°13.9'	108°20.7'	S 6°09.4'	39°21.0'	S 22°04.8'	265°40.0'	N 16°19.4'
9	322°47.7'	N 8°13.0'	123°23.4'	S 6°09.2'	54°23.4'	S 22°04.8'	280°40.7'	N 16°20.0'
10	337°51.4'	N 8°12.1'	138°26.2'	S 6°09.1'	69°25.9'	S 22°04.8'	295°41.4'	N 16°20.5'
11	352°55.0'	N 8°11.2'	153°28.9'	S 6°09.0'	84°28.3'	S 22°04.8'	310°42.1'	N 16°21.1'
12	7°58.7'	N 8°10.3'	168°31.7'	S 6°08.9'	99°30.7'	S 22°04.8'	325°42.8'	N 16°21.6'
13	23°02.4'	N 8°09.4'	183°34.4'	S 6°08.8'	114°33.2'	S 22°04.8'	340°43.6'	N 16°22.2'
14	38°06.1'	N 8°08.5'	198°37.2'	S 6°08.6'	129°35.6'	S 22°04.8'	355°44.3'	N 16°22.7'
15	53°09.8'	N 8°07.6'	213°39.9'	S 6°08.5'	144°38.0'	S 22°04.8'	10°45.0'	N 16°23.3'
16	68°13.4'	N 8°06.7'	228°42.7'	S 6°08.4'	159°40.5'	S 22°04.8'	25°45.7'	N 16°23.8'
17	83°17.1'	N 8°05.8'	243°45.4'	S 6°08.3'	174°42.9'	S 22°04.8'	40°46.4'	N 16°24.4'
18	98°20.8'	N 8°04.9'	258°48.2'	S 6°08.2'	189°45.3'	S 22°04.8'	55°47.1'	N 16°24.9'
19	113°24.4'	N 8°04.0'	273°50.9'	S 6°08.0'	204°47.7'	S 22°04.8'	70°47.8'	N 16°25.5'
20	128°28.1'	N 8°03.1'	288°53.7'	S 6°07.9'	219°50.2'	S 22°04.8'	85°48.5'	N 16°26.0'
21	143°31.8'	N 8°02.2'	303°56.4'	S 6°07.8'	234°52.6'	S 22°04.8'	100°49.2'	N 16°26.6'
22	158°35.4'	N 8°01.3'	318°59.2'	S 6°07.7'	249°55.0'	S 22°04.8'	115°49.9'	N 16°27.1'
23	173°39.1'	N 8°00.3'	334°02.0'	S 6°07.6'	264°57.5'	S 22°04.7'	130°50.7'	N 16°27.7'

Thu Mar 30, 2017 UTC

UTC	Venus -4.0 v = 3.6' d = 0.9'		Jupiter -2.3 v = 2.8' d = 0.1'		Saturn +0.4 v = 2.4' d = 0.0'		Mars +1.5 v = 0.7' d = 0.5'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	188°42.7'	N 7°59.4'	349°04.7'	S 6°07.4'	279°59.9'	S 22°04.7'	145°51.4'	N 16°28.2'
1	203°46.4'	N 7°58.5'	4°07.5'	S 6°07.3'	295°02.3'	S 22°04.7'	160°52.1'	N 16°28.8'
2	218°50.0'	N 7°57.6'	19°10.2'	S 6°07.2'	310°04.8'	S 22°04.7'	175°52.8'	N 16°29.3'
3	233°53.7'	N 7°56.7'	34°13.0'	S 6°07.1'	325°07.2'	S 22°04.7'	190°53.5'	N 16°29.9'
4	248°57.3'	N 7°55.8'	49°15.7'	S 6°07.0'	340°09.6'	S 22°04.7'	205°54.2'	N 16°30.4'
5	264°01.0'	N 7°54.9'	64°18.5'	S 6°06.8'	355°12.1'	S 22°04.7'	220°54.9'	N 16°31.0'
6	279°04.6'	N 7°54.0'	79°21.2'	S 6°06.7'	10°14.5'	S 22°04.7'	235°55.6'	N 16°31.5'
7	294°08.2'	N 7°53.1'	94°24.0'	S 6°06.6'	25°16.9'	S 22°04.7'	250°56.3'	N 16°32.1'
8	309°11.9'	N 7°52.2'	109°26.7'	S 6°06.5'	40°19.4'	S 22°04.7'	265°57.0'	N 16°32.6'
9	324°15.5'	N 7°51.3'	124°29.5'	S 6°06.4'	55°21.8'	S 22°04.7'	280°57.7'	N 16°33.2'
10	339°19.1'	N 7°50.3'	139°32.3'	S 6°06.2'	70°24.2'	S 22°04.7'	295°58.4'	N 16°33.7'
11	354°22.8'	N 7°49.4'	154°35.0'	S 6°06.1'	85°26.7'	S 22°04.7'	310°59.2'	N 16°34.3'
12	9°26.4'	N 7°48.5'	169°37.8'	S 6°06.0'	100°29.1'	S 22°04.7'	325°59.9'	N 16°34.8'
13	24°30.0'	N 7°47.6'	184°40.5'	S 6°05.9'	115°31.5'	S 22°04.7'	341°00.6'	N 16°35.4'
14	39°33.6'	N 7°46.7'	199°43.3'	S 6°05.8'	130°34.0'	S 22°04.7'	356°01.3'	N 16°35.9'
15	54°37.3'	N 7°45.8'	214°46.0'	S 6°05.6'	145°36.4'	S 22°04.7'	11°02.0'	N 16°36.5'
16	69°40.9'	N 7°44.9'	229°48.8'	S 6°05.5'	160°38.8'	S 22°04.7'	26°02.7'	N 16°37.0'
17	84°44.5'	N 7°44.0'	244°51.5'	S 6°05.4'	175°41.3'	S 22°04.7'	41°03.4'	N 16°37.6'
18	99°48.1'	N 7°43.0'	259°54.3'	S 6°05.3'	190°43.7'	S 22°04.7'	56°04.1'	N 16°38.1'
19	114°51.7'	N 7°42.1'	274°57.0'	S 6°05.2'	205°46.1'	S 22°04.7'	71°04.8'	N 16°38.7'
20	129°55.3'	N 7°41.2'	289°59.8'	S 6°05.0'	220°48.6'	S 22°04.7'	86°05.5'	N 16°39.2'
21	144°58.9'	N 7°40.3'	305°02.6'	S 6°04.9'	235°51.0'	S 22°04.7'	101°06.2'	N 16°39.8'
22	160°02.5'	N 7°39.4'	320°05.3'	S 6°04.8'	250°53.4'	S 22°04.7'	116°06.9'	N 16°40.3'
23	175°06.1'	N 7°38.5'	335°08.1'	S 6°04.7'	265°55.9'	S 22°04.7'	131°07.6'	N 16°40.8'

Fri Mar 31, 2017 UTC

UTC	Venus -4.0 v = 3.6' d = 0.9'		Jupiter -2.3 v = 2.8' d = 0.1'		Saturn +0.4 v = 2.4' d = 0.0'		Mars +1.5 v = 0.7' d = 0.5'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	190°09.7'	N 7°37.5'	350°10.8'	S 6°04.6'	280°58.3'	S 22°04.7'	146°08.3'	N 16°41.4'
1	205°13.3'	N 7°36.6'	5°13.6'	S 6°04.4'	296°00.8'	S 22°04.7'	161°09.1'	N 16°41.9'
2	220°16.9'	N 7°35.7'	20°16.3'	S 6°04.3'	311°03.2'	S 22°04.7'	176°09.8'	N 16°42.5'
3	235°20.5'	N 7°34.8'	35°19.1'	S 6°04.2'	326°05.6'	S 22°04.7'	191°10.5'	N 16°43.0'
4	250°24.1'	N 7°33.9'	50°21.8'	S 6°04.1'	341°08.1'	S 22°04.7'	206°11.2'	N 16°43.6'
5	265°27.6'	N 7°33.0'	65°24.6'	S 6°04.0'	356°10.5'	S 22°04.7'	221°11.9'	N 16°44.1'
6	280°31.2'	N 7°32.1'	80°27.4'	S 6°03.8'	11°12.9'	S 22°04.7'	236°12.6'	N 16°44.7'
7	295°34.8'	N 7°31.1'	95°30.1'	S 6°03.7'	26°15.4'	S 22°04.7'	251°13.3'	N 16°45.2'
8	310°38.4'	N 7°30.2'	110°32.9'	S 6°03.6'	41°17.8'	S 22°04.7'	266°14.0'	N 16°45.7'
9	325°41.9'	N 7°29.3'	125°35.6'	S 6°03.5'	56°20.3'	S 22°04.7'	281°14.7'	N 16°46.3'
10	340°45.5'	N 7°28.4'	140°38.4'	S 6°03.4'	71°22.7'	S 22°04.7'	296°15.4'	N 16°46.8'
11	355°49.1'	N 7°27.5'	155°41.1'	S 6°03.2'	86°25.1'	S 22°04.7'	311°16.1'	N 16°47.4'
12	10°52.6'	N 7°26.6'	170°43.9'	S 6°03.1'	101°27.6'	S 22°04.7'	326°16.8'	N 16°47.9'
13	25°56.2'	N 7°25.6'	185°46.7'	S 6°03.0'	116°30.0'	S 22°04.7'	341°17.5'	N 16°48.4'
14	40°59.8'	N 7°24.7'	200°49.4'	S 6°02.9'	131°32.4'	S 22°04.7'	356°18.2'	N 16°49.0'
15	56°03.3'	N 7°23.8'	215°52.2'	S 6°02.8'	146°34.9'	S 22°04.7'	11°18.9'	N 16°49.5'
16	71°06.9'	N 7°22.9'	230°54.9'	S 6°02.6'	161°37.3'	S 22°04.7'	26°19.6'	N 16°50.1'
17	86°10.4'	N 7°22.0'	245°57.7'	S 6°02.5'	176°39.8'	S 22°04.7'	41°20.3'	N 16°50.6'
18	101°14.0'	N 7°21.1'	261°00.4'	S 6°02.4'	191°42.2'	S 22°04.7'	56°21.1'	N 16°51.1'
19	116°17.5'	N 7°20.1'	276°03.2'	S 6°02.3'	206°44.6'	S 22°04.6'	71°21.8'	N 16°51.7'
20	131°21.0'	N 7°19.2'	291°06.0'	S 6°02.2'	221°47.1'	S 22°04.6'	86°22.5'	N 16°52.2'
21	146°24.6'	N 7°18.3'	306°08.7'	S 6°02.0'	236°49.5'	S 22°04.6'	101°23.2'	N 16°52.8'
22	161°28.1'	N 7°17.4'	321°11.5'	S 6°01.9'	251°52.0'	S 22°04.6'	116°23.9'	N 16°53.3'
23	176°31.6'	N 7°16.5'	336°14.2'	S 6°01.8'	266°54.4'	S 22°04.6'	131°24.6'	N 16°53.8'