

Thu Jun 1, 2017 UTC

UTC	Venus -4.3		Jupiter -2.1		Saturn +0.1		Mars +1.7	
	v = 0.2' d = 0.7'		v = 2.5' d = 0.0'		v = 2.7' d = 0.0'		v = 0.6' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	225°48.6'	N 7°39.2'	56°50.7'	S 3°56.1'	344°27.9'	S 21°59.7'	162°21.3'	N 24°16.9'
1	240°48.8'	N 7°39.9'	71°53.3'	S 3°56.1'	359°30.5'	S 21°59.7'	177°22.0'	N 24°16.9'
2	255°49.0'	N 7°40.6'	86°55.8'	S 3°56.1'	14°33.2'	S 21°59.6'	192°22.6'	N 24°17.0'
3	270°49.2'	N 7°41.4'	101°58.3'	S 3°56.0'	29°35.9'	S 21°59.6'	207°23.2'	N 24°17.0'
4	285°49.4'	N 7°42.1'	117°00.8'	S 3°56.0'	44°38.5'	S 21°59.6'	222°23.9'	N 24°17.1'
5	300°49.6'	N 7°42.8'	132°03.4'	S 3°56.0'	59°41.2'	S 21°59.6'	237°24.5'	N 24°17.1'
6	315°49.8'	N 7°43.5'	147°05.9'	S 3°56.0'	74°43.8'	S 21°59.6'	252°25.1'	N 24°17.2'
7	330°50.0'	N 7°44.3'	162°08.4'	S 3°56.0'	89°46.5'	S 21°59.6'	267°25.8'	N 24°17.2'
8	345°50.2'	N 7°45.0'	177°10.9'	S 3°56.0'	104°49.1'	S 21°59.6'	282°26.4'	N 24°17.3'
9	0°50.4'	N 7°45.7'	192°13.5'	S 3°56.0'	119°51.8'	S 21°59.6'	297°27.0'	N 24°17.3'
10	15°50.6'	N 7°46.5'	207°16.0'	S 3°55.9'	134°54.4'	S 21°59.6'	312°27.7'	N 24°17.3'
11	30°50.8'	N 7°47.2'	222°18.5'	S 3°55.9'	149°57.1'	S 21°59.6'	327°28.3'	N 24°17.4'
12	45°51.0'	N 7°47.9'	237°21.0'	S 3°55.9'	164°59.7'	S 21°59.6'	342°28.9'	N 24°17.4'
13	60°51.2'	N 7°48.6'	252°23.6'	S 3°55.9'	180°02.4'	S 21°59.6'	357°29.6'	N 24°17.5'
14	75°51.4'	N 7°49.4'	267°26.1'	S 3°55.9'	195°05.0'	S 21°59.6'	12°30.2'	N 24°17.5'
15	90°51.6'	N 7°50.1'	282°28.6'	S 3°55.9'	210°07.7'	S 21°59.6'	27°30.9'	N 24°17.5'
16	105°51.8'	N 7°50.8'	297°31.1'	S 3°55.9'	225°10.3'	S 21°59.6'	42°31.5'	N 24°17.6'
17	120°51.9'	N 7°51.6'	312°33.7'	S 3°55.8'	240°13.0'	S 21°59.6'	57°32.1'	N 24°17.6'
18	135°52.1'	N 7°52.3'	327°36.2'	S 3°55.8'	255°15.7'	S 21°59.6'	72°32.8'	N 24°17.7'
19	150°52.3'	N 7°53.0'	342°38.7'	S 3°55.8'	270°18.3'	S 21°59.6'	87°33.4'	N 24°17.7'
20	165°52.5'	N 7°53.8'	357°41.2'	S 3°55.8'	285°21.0'	S 21°59.6'	102°34.0'	N 24°17.7'
21	180°52.7'	N 7°54.5'	12°43.8'	S 3°55.8'	300°23.6'	S 21°59.6'	117°34.7'	N 24°17.8'
22	195°52.9'	N 7°55.2'	27°46.3'	S 3°55.8'	315°26.3'	S 21°59.6'	132°35.3'	N 24°17.8'
23	210°53.1'	N 7°56.0'	42°48.8'	S 3°55.8'	330°28.9'	S 21°59.6'	147°35.9'	N 24°17.9'

Fri Jun 2, 2017 UTC

UTC	Venus -4.2		Jupiter -2.1		Saturn +0.1		Mars +1.7	
	v = 0.2' d = 0.7'		v = 2.5' d = 0.0'		v = 2.7' d = 0.0'		v = 0.6' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	225°53.2'	N 7°56.7'	57°51.3'	S 3°55.8'	345°31.6'	S 21°59.6'	162°36.6'	N 24°17.9'
1	240°53.4'	N 7°57.4'	72°53.8'	S 3°55.7'	0°34.2'	S 21°59.5'	177°37.2'	N 24°17.9'
2	255°53.6'	N 7°58.2'	87°56.4'	S 3°55.7'	15°36.9'	S 21°59.5'	192°37.9'	N 24°18.0'
3	270°53.8'	N 7°58.9'	102°58.9'	S 3°55.7'	30°39.5'	S 21°59.5'	207°38.5'	N 24°18.0'
4	285°54.0'	N 7°59.6'	118°01.4'	S 3°55.7'	45°42.2'	S 21°59.5'	222°39.1'	N 24°18.0'
5	300°54.2'	N 8°00.4'	133°03.9'	S 3°55.7'	60°44.8'	S 21°59.5'	237°39.8'	N 24°18.1'
6	315°54.3'	N 8°01.1'	148°06.4'	S 3°55.7'	75°47.5'	S 21°59.5'	252°40.4'	N 24°18.1'
7	330°54.5'	N 8°01.8'	163°09.0'	S 3°55.7'	90°50.2'	S 21°59.5'	267°41.0'	N 24°18.1'
8	345°54.7'	N 8°02.6'	178°11.5'	S 3°55.7'	105°52.8'	S 21°59.5'	282°41.7'	N 24°18.2'
9	0°54.9'	N 8°03.3'	193°14.0'	S 3°55.7'	120°55.5'	S 21°59.5'	297°42.3'	N 24°18.2'
10	15°55.0'	N 8°04.0'	208°16.5'	S 3°55.6'	135°58.1'	S 21°59.5'	312°43.0'	N 24°18.2'
11	30°55.2'	N 8°04.8'	223°19.0'	S 3°55.6'	151°00.8'	S 21°59.5'	327°43.6'	N 24°18.3'
12	45°55.4'	N 8°05.5'	238°21.6'	S 3°55.6'	166°03.4'	S 21°59.5'	342°44.2'	N 24°18.3'
13	60°55.6'	N 8°06.2'	253°24.1'	S 3°55.6'	181°06.1'	S 21°59.5'	357°44.9'	N 24°18.3'
14	75°55.7'	N 8°07.0'	268°26.6'	S 3°55.6'	196°08.7'	S 21°59.5'	12°45.5'	N 24°18.4'
15	90°55.9'	N 8°07.7'	283°29.1'	S 3°55.6'	211°11.4'	S 21°59.5'	27°46.1'	N 24°18.4'
16	105°56.1'	N 8°08.5'	298°31.6'	S 3°55.6'	226°14.0'	S 21°59.5'	42°46.8'	N 24°18.4'
17	120°56.3'	N 8°09.2'	313°34.1'	S 3°55.6'	241°16.7'	S 21°59.5'	57°47.4'	N 24°18.5'
18	135°56.4'	N 8°09.9'	328°36.6'	S 3°55.6'	256°19.4'	S 21°59.5'	72°48.0'	N 24°18.5'
19	150°56.6'	N 8°10.7'	343°39.2'	S 3°55.5'	271°22.0'	S 21°59.5'	87°48.7'	N 24°18.5'
20	165°56.8'	N 8°11.4'	358°41.7'	S 3°55.5'	286°24.7'	S 21°59.5'	102°49.3'	N 24°18.6'
21	180°56.9'	N 8°12.1'	13°44.2'	S 3°55.5'	301°27.3'	S 21°59.5'	117°50.0'	N 24°18.6'
22	195°57.1'	N 8°12.9'	28°46.7'	S 3°55.5'	316°30.0'	S 21°59.5'	132°50.6'	N 24°18.6'
23	210°57.3'	N 8°13.6'	43°49.2'	S 3°55.5'	331°32.6'	S 21°59.5'	147°51.2'	N 24°18.6'

Sat Jun 3, 2017 UTC

UTC	Venus -4.2		Jupiter -2.1		Saturn +0.0		Mars +1.7	
	v = 0.2' d = 0.7'		v = 2.5' d = 0.0'		v = 2.7' d = 0.0'		v = 0.6' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	225°57.4'	N 8°14.4'	58°51.7'	S 3°55.5'	346°35.3'	S 21°59.4'	162°51.9'	N 24°18.7'
1	240°57.6'	N 8°15.1'	73°54.3'	S 3°55.5'	1°37.9'	S 21°59.4'	177°52.5'	N 24°18.7'
2	255°57.8'	N 8°15.8'	88°56.8'	S 3°55.5'	16°40.6'	S 21°59.4'	192°53.1'	N 24°18.7'
3	270°57.9'	N 8°16.6'	103°59.3'	S 3°55.5'	31°43.2'	S 21°59.4'	207°53.8'	N 24°18.8'
4	285°58.1'	N 8°17.3'	119°01.8'	S 3°55.5'	46°45.9'	S 21°59.4'	222°54.4'	N 24°18.8'
5	300°58.3'	N 8°18.1'	134°04.3'	S 3°55.5'	61°48.6'	S 21°59.4'	237°55.1'	N 24°18.8'
6	315°58.4'	N 8°18.8'	149°06.8'	S 3°55.4'	76°51.2'	S 21°59.4'	252°55.7'	N 24°18.8'
7	330°58.6'	N 8°19.5'	164°09.3'	S 3°55.4'	91°53.9'	S 21°59.4'	267°56.3'	N 24°18.9'
8	345°58.8'	N 8°20.3'	179°11.8'	S 3°55.4'	106°56.5'	S 21°59.4'	282°57.0'	N 24°18.9'
9	0°58.9'	N 8°21.0'	194°14.4'	S 3°55.4'	121°59.2'	S 21°59.4'	297°57.6'	N 24°18.9'
10	15°59.1'	N 8°21.8'	209°16.9'	S 3°55.4'	137°01.8'	S 21°59.4'	312°58.3'	N 24°18.9'
11	30°59.2'	N 8°22.5'	224°19.4'	S 3°55.4'	152°04.5'	S 21°59.4'	327°58.9'	N 24°19.0'
12	45°59.4'	N 8°23.3'	239°21.9'	S 3°55.4'	167°07.1'	S 21°59.4'	342°59.5'	N 24°19.0'
13	60°59.5'	N 8°24.0'	254°24.4'	S 3°55.4'	182°09.8'	S 21°59.4'	358°00.2'	N 24°19.0'
14	75°59.7'	N 8°24.7'	269°26.9'	S 3°55.4'	197°12.5'	S 21°59.4'	13°00.8'	N 24°19.0'
15	90°59.9'	N 8°25.5'	284°29.4'	S 3°55.4'	212°15.1'	S 21°59.4'	28°01.4'	N 24°19.1'
16	106°00.0'	N 8°26.2'	299°31.9'	S 3°55.4'	227°17.8'	S 21°59.4'	43°02.1'	N 24°19.1'
17	121°00.2'	N 8°27.0'	314°34.4'	S 3°55.4'	242°20.4'	S 21°59.4'	58°02.7'	N 24°19.1'
18	136°00.3'	N 8°27.7'	329°36.9'	S 3°55.4'	257°23.1'	S 21°59.4'	73°03.4'	N 24°19.1'
19	151°00.5'	N 8°28.5'	344°39.5'	S 3°55.3'	272°25.7'	S 21°59.4'	88°04.0'	N 24°19.1'
20	166°00.6'	N 8°29.2'	359°42.0'	S 3°55.3'	287°28.4'	S 21°59.4'	103°04.6'	N 24°19.2'
21	181°00.8'	N 8°29.9'	14°44.5'	S 3°55.3'	302°31.1'	S 21°59.4'	118°05.3'	N 24°19.2'
22	196°00.9'	N 8°30.7'	29°47.0'	S 3°55.3'	317°33.7'	S 21°59.3'	133°05.9'	N 24°19.2'
23	211°01.1'	N 8°31.4'	44°49.5'	S 3°55.3'	332°36.4'	S 21°59.3'	148°06.6'	N 24°19.2'

Sun Jun 4, 2017 UTC

UTC	Venus -4.2		Jupiter -2.1		Saturn +0.0		Mars +1.7	
	v = 0.1' d = 0.7'		v = 2.5' d = 0.0'		v = 2.7' d = 0.0'		v = 0.6' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°01.2'	N 8°32.2'	59°52.0'	S 3°55.3'	347°39.0'	S 21°59.3'	163°07.2'	N 24°19.3'
1	241°01.4'	N 8°32.9'	74°54.5'	S 3°55.3'	2°41.7'	S 21°59.3'	178°07.8'	N 24°19.3'
2	256°01.5'	N 8°33.7'	89°57.0'	S 3°55.3'	17°44.3'	S 21°59.3'	193°08.5'	N 24°19.3'
3	271°01.7'	N 8°34.4'	104°59.5'	S 3°55.3'	32°47.0'	S 21°59.3'	208°09.1'	N 24°19.3'
4	286°01.8'	N 8°35.2'	120°02.0'	S 3°55.3'	47°49.6'	S 21°59.3'	223°09.7'	N 24°19.3'
5	301°02.0'	N 8°35.9'	135°04.5'	S 3°55.3'	62°52.3'	S 21°59.3'	238°10.4'	N 24°19.3'
6	316°02.1'	N 8°36.7'	150°07.0'	S 3°55.3'	77°55.0'	S 21°59.3'	253°11.0'	N 24°19.4'
7	331°02.3'	N 8°37.4'	165°09.5'	S 3°55.3'	92°57.6'	S 21°59.3'	268°11.7'	N 24°19.4'
8	346°02.4'	N 8°38.1'	180°12.0'	S 3°55.3'	108°00.3'	S 21°59.3'	283°12.3'	N 24°19.4'
9	1°02.5'	N 8°38.9'	195°14.5'	S 3°55.3'	123°02.9'	S 21°59.3'	298°12.9'	N 24°19.4'
10	16°02.7'	N 8°39.6'	210°17.0'	S 3°55.3'	138°05.6'	S 21°59.3'	313°13.6'	N 24°19.4'
11	31°02.8'	N 8°40.4'	225°19.6'	S 3°55.2'	153°08.2'	S 21°59.3'	328°14.2'	N 24°19.4'
12	46°03.0'	N 8°41.1'	240°22.1'	S 3°55.2'	168°10.9'	S 21°59.3'	343°14.9'	N 24°19.5'
13	61°03.1'	N 8°41.9'	255°24.6'	S 3°55.2'	183°13.6'	S 21°59.3'	358°15.5'	N 24°19.5'
14	76°03.2'	N 8°42.6'	270°27.1'	S 3°55.2'	198°16.2'	S 21°59.3'	13°16.1'	N 24°19.5'
15	91°03.4'	N 8°43.4'	285°29.6'	S 3°55.2'	213°18.9'	S 21°59.3'	28°16.8'	N 24°19.5'
16	106°03.5'	N 8°44.1'	300°32.1'	S 3°55.2'	228°21.5'	S 21°59.3'	43°17.4'	N 24°19.5'
17	121°03.7'	N 8°44.9'	315°34.6'	S 3°55.2'	243°24.2'	S 21°59.3'	58°18.1'	N 24°19.5'
18	136°03.8'	N 8°45.6'	330°37.1'	S 3°55.2'	258°26.8'	S 21°59.3'	73°18.7'	N 24°19.5'
19	151°03.9'	N 8°46.4'	345°39.6'	S 3°55.2'	273°29.5'	S 21°59.3'	88°19.3'	N 24°19.6'
20	166°04.1'	N 8°47.1'	0°42.1'	S 3°55.2'	288°32.2'	S 21°59.3'	103°20.0'	N 24°19.6'
21	181°04.2'	N 8°47.9'	15°44.6'	S 3°55.2'	303°34.8'	S 21°59.2'	118°20.6'	N 24°19.6'
22	196°04.3'	N 8°48.6'	30°47.1'	S 3°55.2'	318°37.5'	S 21°59.2'	133°21.3'	N 24°19.6'
23	211°04.5'	N 8°49.4'	45°49.6'	S 3°55.2'	333°40.1'	S 21°59.2'	148°21.9'	N 24°19.6'

Mon Jun 5, 2017 UTC

UTC	Venus -4.2		Jupiter -2.1		Saturn +0.0		Mars +1.7	
	v = 0.1' d = 0.8'		v = 2.5' d = 0.0'		v = 2.7' d = 0.0'		v = 0.6' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°04.6'	N 8°50.1'	60°52.1'	S 3°55.2'	348°42.8'	S 21°59.2'	163°22.5'	N 24°19.6'
1	241°04.7'	N 8°50.9'	75°54.6'	S 3°55.2'	3°45.4'	S 21°59.2'	178°23.2'	N 24°19.6'
2	256°04.9'	N 8°51.6'	90°57.1'	S 3°55.2'	18°48.1'	S 21°59.2'	193°23.8'	N 24°19.6'
3	271°05.0'	N 8°52.4'	105°59.6'	S 3°55.2'	33°50.8'	S 21°59.2'	208°24.5'	N 24°19.7'
4	286°05.1'	N 8°53.1'	121°02.1'	S 3°55.2'	48°53.4'	S 21°59.2'	223°25.1'	N 24°19.7'
5	301°05.2'	N 8°53.9'	136°04.6'	S 3°55.2'	63°56.1'	S 21°59.2'	238°25.7'	N 24°19.7'
6	316°05.4'	N 8°54.6'	151°07.1'	S 3°55.2'	78°58.7'	S 21°59.2'	253°26.4'	N 24°19.7'
7	331°05.5'	N 8°55.4'	166°09.6'	S 3°55.2'	94°01.4'	S 21°59.2'	268°27.0'	N 24°19.7'
8	346°05.6'	N 8°56.1'	181°12.1'	S 3°55.2'	109°04.0'	S 21°59.2'	283°27.7'	N 24°19.7'
9	1°05.8'	N 8°56.9'	196°14.6'	S 3°55.2'	124°06.7'	S 21°59.2'	298°28.3'	N 24°19.7'
10	16°05.9'	N 8°57.6'	211°17.1'	S 3°55.2'	139°09.4'	S 21°59.2'	313°29.0'	N 24°19.7'
11	31°06.0'	N 8°58.4'	226°19.6'	S 3°55.2'	154°12.0'	S 21°59.2'	328°29.6'	N 24°19.7'
12	46°06.1'	N 8°59.1'	241°22.1'	S 3°55.2'	169°14.7'	S 21°59.2'	343°30.2'	N 24°19.7'
13	61°06.2'	N 8°59.9'	256°24.6'	S 3°55.2'	184°17.3'	S 21°59.2'	358°30.9'	N 24°19.7'
14	76°06.4'	N 9°00.7'	271°27.1'	S 3°55.2'	199°20.0'	S 21°59.2'	13°31.5'	N 24°19.7'
15	91°06.5'	N 9°01.4'	286°29.5'	S 3°55.2'	214°22.7'	S 21°59.2'	28°32.2'	N 24°19.7'
16	106°06.6'	N 9°02.2'	301°32.0'	S 3°55.2'	229°25.3'	S 21°59.2'	43°32.8'	N 24°19.8'
17	121°06.7'	N 9°02.9'	316°34.5'	S 3°55.2'	244°28.0'	S 21°59.2'	58°33.4'	N 24°19.8'
18	136°06.8'	N 9°03.7'	331°37.0'	S 3°55.2'	259°30.6'	S 21°59.2'	73°34.1'	N 24°19.8'
19	151°07.0'	N 9°04.4'	346°39.5'	S 3°55.2'	274°33.3'	S 21°59.2'	88°34.7'	N 24°19.8'
20	166°07.1'	N 9°05.2'	1°42.0'	S 3°55.2'	289°35.9'	S 21°59.1'	103°35.4'	N 24°19.8'
21	181°07.2'	N 9°05.9'	16°44.5'	S 3°55.2'	304°38.6'	S 21°59.1'	118°36.0'	N 24°19.8'
22	196°07.3'	N 9°06.7'	31°47.0'	S 3°55.1'	319°41.3'	S 21°59.1'	133°36.6'	N 24°19.8'
23	211°07.4'	N 9°07.4'	46°49.5'	S 3°55.1'	334°43.9'	S 21°59.1'	148°37.3'	N 24°19.8'

Tue Jun 6, 2017 UTC

UTC	Venus -4.2		Jupiter -2.1		Saturn +0.0		Mars +1.7	
	v = 0.1' d = 0.8'		v = 2.5' d = 0.0'		v = 2.7' d = 0.0'		v = 0.6' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°07.6'	N 9°08.2'	61°52.0'	S 3°55.1'	349°46.6'	S 21°59.1'	163°37.9'	N 24°19.8'
1	241°07.7'	N 9°08.9'	76°54.5'	S 3°55.1'	4°49.2'	S 21°59.1'	178°38.6'	N 24°19.8'
2	256°07.8'	N 9°09.7'	91°57.0'	S 3°55.1'	19°51.9'	S 21°59.1'	193°39.2'	N 24°19.8'
3	271°07.9'	N 9°10.5'	106°59.5'	S 3°55.1'	34°54.6'	S 21°59.1'	208°39.9'	N 24°19.8'
4	286°08.0'	N 9°11.2'	122°02.0'	S 3°55.1'	49°57.2'	S 21°59.1'	223°40.5'	N 24°19.8'
5	301°08.1'	N 9°12.0'	137°04.5'	S 3°55.1'	64°59.9'	S 21°59.1'	238°41.1'	N 24°19.8'
6	316°08.2'	N 9°12.7'	152°07.0'	S 3°55.1'	80°02.5'	S 21°59.1'	253°41.8'	N 24°19.8'
7	331°08.3'	N 9°13.5'	167°09.4'	S 3°55.1'	95°05.2'	S 21°59.1'	268°42.4'	N 24°19.8'
8	346°08.4'	N 9°14.2'	182°11.9'	S 3°55.1'	110°07.8'	S 21°59.1'	283°43.1'	N 24°19.8'
9	1°08.6'	N 9°15.0'	197°14.4'	S 3°55.2'	125°10.5'	S 21°59.1'	298°43.7'	N 24°19.8'
10	16°08.7'	N 9°15.8'	212°16.9'	S 3°55.2'	140°13.2'	S 21°59.1'	313°44.4'	N 24°19.8'
11	31°08.8'	N 9°16.5'	227°19.4'	S 3°55.2'	155°15.8'	S 21°59.1'	328°45.0'	N 24°19.8'
12	46°08.9'	N 9°17.3'	242°21.9'	S 3°55.2'	170°18.5'	S 21°59.1'	343°45.6'	N 24°19.8'
13	61°09.0'	N 9°18.0'	257°24.4'	S 3°55.2'	185°21.1'	S 21°59.1'	358°46.3'	N 24°19.8'
14	76°09.1'	N 9°18.8'	272°26.9'	S 3°55.2'	200°23.8'	S 21°59.1'	13°46.9'	N 24°19.8'
15	91°09.2'	N 9°19.5'	287°29.4'	S 3°55.2'	215°26.5'	S 21°59.1'	28°47.6'	N 24°19.8'
16	106°09.3'	N 9°20.3'	302°31.9'	S 3°55.2'	230°29.1'	S 21°59.1'	43°48.2'	N 24°19.8'
17	121°09.4'	N 9°21.1'	317°34.3'	S 3°55.2'	245°31.8'	S 21°59.1'	58°48.8'	N 24°19.8'
18	136°09.5'	N 9°21.8'	332°36.8'	S 3°55.2'	260°34.4'	S 21°59.0'	73°49.5'	N 24°19.8'
19	151°09.6'	N 9°22.6'	347°39.3'	S 3°55.2'	275°37.1'	S 21°59.0'	88°50.1'	N 24°19.8'
20	166°09.7'	N 9°23.3'	2°41.8'	S 3°55.2'	290°39.8'	S 21°59.0'	103°50.8'	N 24°19.8'
21	181°09.8'	N 9°24.1'	17°44.3'	S 3°55.2'	305°42.4'	S 21°59.0'	118°51.4'	N 24°19.8'
22	196°09.9'	N 9°24.8'	32°46.8'	S 3°55.2'	320°45.1'	S 21°59.0'	133°52.1'	N 24°19.8'
23	211°10.0'	N 9°25.6'	47°49.3'	S 3°55.2'	335°47.7'	S 21°59.0'	148°52.7'	N 24°19.7'

Wed Jun 7, 2017 UTC

UTC	Venus -4.2 v = 0.1' d = 0.8'		Jupiter -2.1 v = 2.5' d = 0.0'		Saturn +0.0 v = 2.7' d = 0.0'		Mars +1.7 v = 0.6' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°10.1'	N 9°26.4'	62°51.8'	S 3°55.2'	350°50.4'	S 21°59.0'	163°53.3'	N 24°19.7'
1	241°10.2'	N 9°27.1'	77°54.2'	S 3°55.2'	5°53.0'	S 21°59.0'	178°54.0'	N 24°19.7'
2	256°10.3'	N 9°27.9'	92°56.7'	S 3°55.2'	20°55.7'	S 21°59.0'	193°54.6'	N 24°19.7'
3	271°10.4'	N 9°28.6'	107°59.2'	S 3°55.2'	35°58.4'	S 21°59.0'	208°55.3'	N 24°19.7'
4	286°10.5'	N 9°29.4'	123°01.7'	S 3°55.2'	51°01.0'	S 21°59.0'	223°55.9'	N 24°19.7'
5	301°10.6'	N 9°30.2'	138°04.2'	S 3°55.2'	66°03.7'	S 21°59.0'	238°56.6'	N 24°19.7'
6	316°10.7'	N 9°30.9'	153°06.7'	S 3°55.2'	81°06.3'	S 21°59.0'	253°57.2'	N 24°19.7'
7	331°10.8'	N 9°31.7'	168°09.2'	S 3°55.2'	96°09.0'	S 21°59.0'	268°57.9'	N 24°19.7'
8	346°10.9'	N 9°32.4'	183°11.6'	S 3°55.2'	111°11.7'	S 21°59.0'	283°58.5'	N 24°19.7'
9	1°11.0'	N 9°33.2'	198°14.1'	S 3°55.2'	126°14.3'	S 21°59.0'	298°59.1'	N 24°19.7'
10	16°11.0'	N 9°34.0'	213°16.6'	S 3°55.2'	141°17.0'	S 21°59.0'	313°59.8'	N 24°19.7'
11	31°11.1'	N 9°34.7'	228°19.1'	S 3°55.2'	156°19.6'	S 21°59.0'	329°00.4'	N 24°19.7'
12	46°11.2'	N 9°35.5'	243°21.6'	S 3°55.2'	171°22.3'	S 21°59.0'	344°01.1'	N 24°19.6'
13	61°11.3'	N 9°36.2'	258°24.1'	S 3°55.2'	186°25.0'	S 21°59.0'	359°01.7'	N 24°19.6'
14	76°11.4'	N 9°37.0'	273°26.5'	S 3°55.2'	201°27.6'	S 21°59.0'	14°02.4'	N 24°19.6'
15	91°11.5'	N 9°37.8'	288°29.0'	S 3°55.2'	216°30.3'	S 21°59.0'	29°03.0'	N 24°19.6'
16	106°11.6'	N 9°38.5'	303°31.5'	S 3°55.2'	231°32.9'	S 21°59.0'	44°03.7'	N 24°19.6'
17	121°11.7'	N 9°39.3'	318°34.0'	S 3°55.2'	246°35.6'	S 21°58.9'	59°04.3'	N 24°19.6'
18	136°11.8'	N 9°40.0'	333°36.5'	S 3°55.2'	261°38.3'	S 21°58.9'	74°04.9'	N 24°19.6'
19	151°11.8'	N 9°40.8'	348°38.9'	S 3°55.2'	276°40.9'	S 21°58.9'	89°05.6'	N 24°19.6'
20	166°11.9'	N 9°41.6'	3°41.4'	S 3°55.3'	291°43.6'	S 21°58.9'	104°06.2'	N 24°19.5'
21	181°12.0'	N 9°42.3'	18°43.9'	S 3°55.3'	306°46.2'	S 21°58.9'	119°06.9'	N 24°19.5'
22	196°12.1'	N 9°43.1'	33°46.4'	S 3°55.3'	321°48.9'	S 21°58.9'	134°07.5'	N 24°19.5'
23	211°12.2'	N 9°43.9'	48°48.9'	S 3°55.3'	336°51.6'	S 21°58.9'	149°08.2'	N 24°19.5'

Thu Jun 8, 2017 UTC

UTC	Venus -4.2 v = 0.1' d = 0.8'		Jupiter -2.0 v = 2.5' d = 0.0'		Saturn +0.0 v = 2.7' d = 0.0'		Mars +1.7 v = 0.6' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°12.3'	N 9°44.6'	63°51.3'	S 3°55.3'	351°54.2'	S 21°58.9'	164°08.8'	N 24°19.5'
1	241°12.3'	N 9°45.4'	78°53.8'	S 3°55.3'	6°56.9'	S 21°58.9'	179°09.5'	N 24°19.5'
2	256°12.4'	N 9°46.1'	93°56.3'	S 3°55.3'	21°59.5'	S 21°58.9'	194°10.1'	N 24°19.5'
3	271°12.5'	N 9°46.9'	108°58.8'	S 3°55.3'	37°02.2'	S 21°58.9'	209°10.7'	N 24°19.4'
4	286°12.6'	N 9°47.7'	124°01.3'	S 3°55.3'	52°04.9'	S 21°58.9'	224°11.4'	N 24°19.4'
5	301°12.7'	N 9°48.4'	139°03.7'	S 3°55.3'	67°07.5'	S 21°58.9'	239°12.0'	N 24°19.4'
6	316°12.7'	N 9°49.2'	154°06.2'	S 3°55.3'	82°10.2'	S 21°58.9'	254°12.7'	N 24°19.4'
7	331°12.8'	N 9°50.0'	169°08.7'	S 3°55.3'	97°12.8'	S 21°58.9'	269°13.3'	N 24°19.4'
8	346°12.9'	N 9°50.7'	184°11.2'	S 3°55.3'	112°15.5'	S 21°58.9'	284°14.0'	N 24°19.4'
9	1°13.0'	N 9°51.5'	199°13.6'	S 3°55.3'	127°18.2'	S 21°58.9'	299°14.6'	N 24°19.3'
10	16°13.0'	N 9°52.2'	214°16.1'	S 3°55.3'	142°20.8'	S 21°58.9'	314°15.3'	N 24°19.3'
11	31°13.1'	N 9°53.0'	229°18.6'	S 3°55.3'	157°23.5'	S 21°58.9'	329°15.9'	N 24°19.3'
12	46°13.2'	N 9°53.8'	244°21.1'	S 3°55.3'	172°26.1'	S 21°58.9'	344°16.6'	N 24°19.3'
13	61°13.3'	N 9°54.5'	259°23.6'	S 3°55.4'	187°28.8'	S 21°58.9'	359°17.2'	N 24°19.3'
14	76°13.3'	N 9°55.3'	274°26.0'	S 3°55.4'	202°31.5'	S 21°58.9'	14°17.8'	N 24°19.3'
15	91°13.4'	N 9°56.1'	289°28.5'	S 3°55.4'	217°34.1'	S 21°58.8'	29°18.5'	N 24°19.2'
16	106°13.5'	N 9°56.8'	304°31.0'	S 3°55.4'	232°36.8'	S 21°58.8'	44°19.1'	N 24°19.2'
17	121°13.5'	N 9°57.6'	319°33.5'	S 3°55.4'	247°39.4'	S 21°58.8'	59°19.8'	N 24°19.2'
18	136°13.6'	N 9°58.3'	334°35.9'	S 3°55.4'	262°42.1'	S 21°58.8'	74°20.4'	N 24°19.2'
19	151°13.7'	N 9°59.1'	349°38.4'	S 3°55.4'	277°44.8'	S 21°58.8'	89°21.1'	N 24°19.2'
20	166°13.7'	N 9°59.9'	4°40.9'	S 3°55.4'	292°47.4'	S 21°58.8'	104°21.7'	N 24°19.1'
21	181°13.8'	N 10°00.6'	19°43.3'	S 3°55.4'	307°50.1'	S 21°58.8'	119°22.4'	N 24°19.1'
22	196°13.9'	N 10°01.4'	34°45.8'	S 3°55.4'	322°52.8'	S 21°58.8'	134°23.0'	N 24°19.1'
23	211°13.9'	N 10°02.2'	49°48.3'	S 3°55.4'	337°55.4'	S 21°58.8'	149°23.7'	N 24°19.1'

Fri Jun 9, 2017 UTC

UTC	Venus -4.2		Jupiter -2.0		Saturn +0.0		Mars +1.7	
	v = 0.1' d = 0.8'		v = 2.5' d = 0.0'		v = 2.7' d = 0.0'		v = 0.6' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°14.0'	N 10°02.9'	64°50.8'	S 3°55.4'	352°58.1'	S 21°58.8'	164°24.3'	N 24°19.0'
1	241°14.1'	N 10°03.7'	79°53.2'	S 3°55.4'	8°00.7'	S 21°58.8'	179°24.9'	N 24°19.0'
2	256°14.1'	N 10°04.5'	94°55.7'	S 3°55.5'	23°03.4'	S 21°58.8'	194°25.6'	N 24°19.0'
3	271°14.2'	N 10°05.2'	109°58.2'	S 3°55.5'	38°06.1'	S 21°58.8'	209°26.2'	N 24°19.0'
4	286°14.3'	N 10°06.0'	125°00.7'	S 3°55.5'	53°08.7'	S 21°58.8'	224°26.9'	N 24°18.9'
5	301°14.3'	N 10°06.8'	140°03.1'	S 3°55.5'	68°11.4'	S 21°58.8'	239°27.5'	N 24°18.9'
6	316°14.4'	N 10°07.5'	155°05.6'	S 3°55.5'	83°14.0'	S 21°58.8'	254°28.2'	N 24°18.9'
7	331°14.4'	N 10°08.3'	170°08.1'	S 3°55.5'	98°16.7'	S 21°58.8'	269°28.8'	N 24°18.9'
8	346°14.5'	N 10°09.1'	185°10.5'	S 3°55.5'	113°19.4'	S 21°58.8'	284°29.5'	N 24°18.8'
9	1°14.6'	N 10°09.8'	200°13.0'	S 3°55.5'	128°22.0'	S 21°58.8'	299°30.1'	N 24°18.8'
10	16°14.6'	N 10°10.6'	215°15.5'	S 3°55.5'	143°24.7'	S 21°58.8'	314°30.8'	N 24°18.8'
11	31°14.7'	N 10°11.4'	230°17.9'	S 3°55.5'	158°27.3'	S 21°58.8'	329°31.4'	N 24°18.8'
12	46°14.7'	N 10°12.1'	245°20.4'	S 3°55.5'	173°30.0'	S 21°58.8'	344°32.1'	N 24°18.7'
13	61°14.8'	N 10°12.9'	260°22.9'	S 3°55.6'	188°32.7'	S 21°58.8'	359°32.7'	N 24°18.7'
14	76°14.8'	N 10°13.7'	275°25.4'	S 3°55.6'	203°35.3'	S 21°58.7'	14°33.4'	N 24°18.7'
15	91°14.9'	N 10°14.4'	290°27.8'	S 3°55.6'	218°38.0'	S 21°58.7'	29°34.0'	N 24°18.7'
16	106°15.0'	N 10°15.2'	305°30.3'	S 3°55.6'	233°40.6'	S 21°58.7'	44°34.7'	N 24°18.6'
17	121°15.0'	N 10°15.9'	320°32.8'	S 3°55.6'	248°43.3'	S 21°58.7'	59°35.3'	N 24°18.6'
18	136°15.1'	N 10°16.7'	335°35.2'	S 3°55.6'	263°46.0'	S 21°58.7'	74°36.0'	N 24°18.6'
19	151°15.1'	N 10°17.5'	350°37.7'	S 3°55.6'	278°48.6'	S 21°58.7'	89°36.6'	N 24°18.5'
20	166°15.2'	N 10°18.2'	5°40.2'	S 3°55.6'	293°51.3'	S 21°58.7'	104°37.2'	N 24°18.5'
21	181°15.2'	N 10°19.0'	20°42.6'	S 3°55.6'	308°54.0'	S 21°58.7'	119°37.9'	N 24°18.5'
22	196°15.3'	N 10°19.8'	35°45.1'	S 3°55.7'	323°56.6'	S 21°58.7'	134°38.5'	N 24°18.5'
23	211°15.3'	N 10°20.5'	50°47.6'	S 3°55.7'	338°59.3'	S 21°58.7'	149°39.2'	N 24°18.4'

Sat Jun 10, 2017 UTC

UTC	Venus -4.2		Jupiter -2.0		Saturn +0.0		Mars +1.7	
	v = 0.0' d = 0.8'		v = 2.5' d = 0.0'		v = 2.7' d = 0.0'		v = 0.6' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°15.4'	N 10°21.3'	65°50.0'	S 3°55.7'	354°01.9'	S 21°58.7'	164°39.8'	N 24°18.4'
1	241°15.4'	N 10°22.1'	80°52.5'	S 3°55.7'	9°04.6'	S 21°58.7'	179°40.5'	N 24°18.4'
2	256°15.5'	N 10°22.8'	95°55.0'	S 3°55.7'	24°07.3'	S 21°58.7'	194°41.1'	N 24°18.3'
3	271°15.5'	N 10°23.6'	110°57.4'	S 3°55.7'	39°09.9'	S 21°58.7'	209°41.8'	N 24°18.3'
4	286°15.6'	N 10°24.4'	125°59.9'	S 3°55.7'	54°12.6'	S 21°58.7'	224°42.4'	N 24°18.3'
5	301°15.6'	N 10°25.1'	141°02.3'	S 3°55.7'	69°15.2'	S 21°58.7'	239°43.1'	N 24°18.2'
6	316°15.6'	N 10°25.9'	156°04.8'	S 3°55.7'	84°17.9'	S 21°58.7'	254°43.7'	N 24°18.2'
7	331°15.7'	N 10°26.7'	171°07.3'	S 3°55.8'	99°20.6'	S 21°58.7'	269°44.4'	N 24°18.2'
8	346°15.7'	N 10°27.5'	186°09.7'	S 3°55.8'	114°23.2'	S 21°58.7'	284°45.0'	N 24°18.1'
9	1°15.8'	N 10°28.2'	201°12.2'	S 3°55.8'	129°25.9'	S 21°58.7'	299°45.7'	N 24°18.1'
10	16°15.8'	N 10°29.0'	216°14.7'	S 3°55.8'	144°28.6'	S 21°58.7'	314°46.3'	N 24°18.1'
11	31°15.9'	N 10°29.8'	231°17.1'	S 3°55.8'	159°31.2'	S 21°58.7'	329°47.0'	N 24°18.0'
12	46°15.9'	N 10°30.5'	246°19.6'	S 3°55.8'	174°33.9'	S 21°58.6'	344°47.6'	N 24°18.0'
13	61°15.9'	N 10°31.3'	261°22.1'	S 3°55.8'	189°36.5'	S 21°58.6'	359°48.3'	N 24°17.9'
14	76°16.0'	N 10°32.1'	276°24.5'	S 3°55.8'	204°39.2'	S 21°58.6'	14°48.9'	N 24°17.9'
15	91°16.0'	N 10°32.8'	291°27.0'	S 3°55.9'	219°41.9'	S 21°58.6'	29°49.6'	N 24°17.9'
16	106°16.0'	N 10°33.6'	306°29.4'	S 3°55.9'	234°44.5'	S 21°58.6'	44°50.2'	N 24°17.8'
17	121°16.1'	N 10°34.4'	321°31.9'	S 3°55.9'	249°47.2'	S 21°58.6'	59°50.9'	N 24°17.8'
18	136°16.1'	N 10°35.1'	336°34.4'	S 3°55.9'	264°49.8'	S 21°58.6'	74°51.5'	N 24°17.8'
19	151°16.2'	N 10°35.9'	351°36.8'	S 3°55.9'	279°52.5'	S 21°58.6'	89°52.2'	N 24°17.7'
20	166°16.2'	N 10°36.7'	6°39.3'	S 3°55.9'	294°55.2'	S 21°58.6'	104°52.8'	N 24°17.7'
21	181°16.2'	N 10°37.4'	21°41.7'	S 3°55.9'	309°57.8'	S 21°58.6'	119°53.5'	N 24°17.6'
22	196°16.3'	N 10°38.2'	36°44.2'	S 3°56.0'	325°00.5'	S 21°58.6'	134°54.1'	N 24°17.6'
23	211°16.3'	N 10°39.0'	51°46.7'	S 3°56.0'	340°03.2'	S 21°58.6'	149°54.8'	N 24°17.6'

Sun Jun 11, 2017 UTC

UTC	Venus -4.2 v = 0.0' d = 0.8'		Jupiter -2.0 v = 2.5' d = 0.0'		Saturn +0.0 v = 2.7' d = 0.0'		Mars +1.7 v = 0.7' d = 0.0'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°16.3'	N 10°39.7'	66°49.1'	S 3°56.0'	355°05.8'	S 21°58.6'	164°55.4'	N 24°17.5'
1	241°16.4'	N 10°40.5'	81°51.6'	S 3°56.0'	10°08.5'	S 21°58.6'	179°56.1'	N 24°17.5'
2	256°16.4'	N 10°41.3'	96°54.0'	S 3°56.0'	25°11.1'	S 21°58.6'	194°56.7'	N 24°17.5'
3	271°16.4'	N 10°42.0'	111°56.5'	S 3°56.0'	40°13.8'	S 21°58.6'	209°57.4'	N 24°17.4'
4	286°16.4'	N 10°42.8'	126°58.9'	S 3°56.0'	55°16.5'	S 21°58.6'	224°58.0'	N 24°17.4'
5	301°16.5'	N 10°43.6'	142°01.4'	S 3°56.1'	70°19.1'	S 21°58.6'	239°58.7'	N 24°17.3'
6	316°16.5'	N 10°44.3'	157°03.9'	S 3°56.1'	85°21.8'	S 21°58.6'	254°59.3'	N 24°17.3'
7	331°16.5'	N 10°45.1'	172°06.3'	S 3°56.1'	100°24.4'	S 21°58.6'	269°60.0'	N 24°17.2'
8	346°16.6'	N 10°45.9'	187°08.8'	S 3°56.1'	115°27.1'	S 21°58.6'	285°00.6'	N 24°17.2'
9	1°16.6'	N 10°46.6'	202°11.2'	S 3°56.1'	130°29.8'	S 21°58.6'	300°01.3'	N 24°17.2'
10	16°16.6'	N 10°47.4'	217°13.7'	S 3°56.1'	145°32.4'	S 21°58.5'	315°01.9'	N 24°17.1'
11	31°16.6'	N 10°48.2'	232°16.1'	S 3°56.1'	160°35.1'	S 21°58.5'	330°02.6'	N 24°17.1'
12	46°16.7'	N 10°49.0'	247°18.6'	S 3°56.2'	175°37.8'	S 21°58.5'	345°03.2'	N 24°17.0'
13	61°16.7'	N 10°49.7'	262°21.1'	S 3°56.2'	190°40.4'	S 21°58.5'	0°03.9'	N 24°17.0'
14	76°16.7'	N 10°50.5'	277°23.5'	S 3°56.2'	205°43.1'	S 21°58.5'	15°04.5'	N 24°16.9'
15	91°16.7'	N 10°51.3'	292°26.0'	S 3°56.2'	220°45.7'	S 21°58.5'	30°05.2'	N 24°16.9'
16	106°16.8'	N 10°52.0'	307°28.4'	S 3°56.2'	235°48.4'	S 21°58.5'	45°05.8'	N 24°16.8'
17	121°16.8'	N 10°52.8'	322°30.9'	S 3°56.2'	250°51.1'	S 21°58.5'	60°06.5'	N 24°16.8'
18	136°16.8'	N 10°53.6'	337°33.3'	S 3°56.3'	265°53.7'	S 21°58.5'	75°07.1'	N 24°16.8'
19	151°16.8'	N 10°54.3'	352°35.8'	S 3°56.3'	280°56.4'	S 21°58.5'	90°07.8'	N 24°16.7'
20	166°16.8'	N 10°55.1'	7°38.2'	S 3°56.3'	295°59.1'	S 21°58.5'	105°08.4'	N 24°16.7'
21	181°16.9'	N 10°55.9'	22°40.7'	S 3°56.3'	311°01.7'	S 21°58.5'	120°09.1'	N 24°16.6'
22	196°16.9'	N 10°56.6'	37°43.1'	S 3°56.3'	326°04.4'	S 21°58.5'	135°09.7'	N 24°16.6'
23	211°16.9'	N 10°57.4'	52°45.6'	S 3°56.3'	341°07.0'	S 21°58.5'	150°10.4'	N 24°16.5'

Mon Jun 12, 2017 UTC

UTC	Venus -4.2 v = 0.0' d = 0.8'		Jupiter -2.0 v = 2.4' d = 0.0'		Saturn +0.0 v = 2.7' d = 0.0'		Mars +1.7 v = 0.7' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°16.9'	N 10°58.2'	67°48.0'	S 3°56.4'	356°09.7'	S 21°58.5'	165°11.0'	N 24°16.5'
1	241°16.9'	N 10°58.9'	82°50.5'	S 3°56.4'	11°12.4'	S 21°58.5'	180°11.7'	N 24°16.4'
2	256°16.9'	N 10°59.7'	97°52.9'	S 3°56.4'	26°15.0'	S 21°58.5'	195°12.3'	N 24°16.4'
3	271°16.9'	N 11°00.5'	112°55.4'	S 3°56.4'	41°17.7'	S 21°58.5'	210°13.0'	N 24°16.3'
4	286°17.0'	N 11°01.3'	127°57.8'	S 3°56.4'	56°20.4'	S 21°58.5'	225°13.7'	N 24°16.3'
5	301°17.0'	N 11°02.0'	143°00.3'	S 3°56.4'	71°23.0'	S 21°58.5'	240°14.3'	N 24°16.2'
6	316°17.0'	N 11°02.8'	158°02.7'	S 3°56.5'	86°25.7'	S 21°58.5'	255°15.0'	N 24°16.2'
7	331°17.0'	N 11°03.6'	173°05.2'	S 3°56.5'	101°28.3'	S 21°58.5'	270°15.6'	N 24°16.1'
8	346°17.0'	N 11°04.3'	188°07.6'	S 3°56.5'	116°31.0'	S 21°58.5'	285°16.3'	N 24°16.1'
9	1°17.0'	N 11°05.1'	203°10.1'	S 3°56.5'	131°33.7'	S 21°58.4'	300°16.9'	N 24°16.0'
10	16°17.0'	N 11°05.9'	218°12.5'	S 3°56.5'	146°36.3'	S 21°58.4'	315°17.6'	N 24°16.0'
11	31°17.0'	N 11°06.6'	233°15.0'	S 3°56.6'	161°39.0'	S 21°58.4'	330°18.2'	N 24°15.9'
12	46°17.0'	N 11°07.4'	248°17.4'	S 3°56.6'	176°41.7'	S 21°58.4'	345°18.9'	N 24°15.9'
13	61°17.1'	N 11°08.2'	263°19.9'	S 3°56.6'	191°44.3'	S 21°58.4'	0°19.5'	N 24°15.8'
14	76°17.1'	N 11°08.9'	278°22.3'	S 3°56.6'	206°47.0'	S 21°58.4'	15°20.2'	N 24°15.8'
15	91°17.1'	N 11°09.7'	293°24.8'	S 3°56.6'	221°49.6'	S 21°58.4'	30°20.8'	N 24°15.7'
16	106°17.1'	N 11°10.5'	308°27.2'	S 3°56.7'	236°52.3'	S 21°58.4'	45°21.5'	N 24°15.7'
17	121°17.1'	N 11°11.3'	323°29.7'	S 3°56.7'	251°55.0'	S 21°58.4'	60°22.1'	N 24°15.6'
18	136°17.1'	N 11°12.0'	338°32.1'	S 3°56.7'	266°57.6'	S 21°58.4'	75°22.8'	N 24°15.5'
19	151°17.1'	N 11°12.8'	353°34.6'	S 3°56.7'	282°00.3'	S 21°58.4'	90°23.4'	N 24°15.5'
20	166°17.1'	N 11°13.6'	8°37.0'	S 3°56.7'	297°03.0'	S 21°58.4'	105°24.1'	N 24°15.4'
21	181°17.1'	N 11°14.3'	23°39.5'	S 3°56.7'	312°05.6'	S 21°58.4'	120°24.7'	N 24°15.4'
22	196°17.1'	N 11°15.1'	38°41.9'	S 3°56.8'	327°08.3'	S 21°58.4'	135°25.4'	N 24°15.3'
23	211°17.1'	N 11°15.9'	53°44.4'	S 3°56.8'	342°10.9'	S 21°58.4'	150°26.1'	N 24°15.3'

Tue Jun 13, 2017 UTC

UTC	Venus -4.2 v = -0.0' d = 0.8'		Jupiter -2.0 v = 2.4' d = 0.0'		Saturn +0.0 v = 2.7' d = 0.0'		Mars +1.7 v = 0.7' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°17.1'	N 11°16.6'	68°46.8'	S 3°56.8'	357°13.6'	S 21°58.4'	165°26.7'	N 24°15.2'
1	241°17.1'	N 11°17.4'	83°49.2'	S 3°56.8'	12°16.3'	S 21°58.4'	180°27.4'	N 24°15.2'
2	256°17.1'	N 11°18.2'	98°51.7'	S 3°56.8'	27°18.9'	S 21°58.4'	195°28.0'	N 24°15.1'
3	271°17.1'	N 11°18.9'	113°54.1'	S 3°56.9'	42°21.6'	S 21°58.4'	210°28.7'	N 24°15.0'
4	286°17.1'	N 11°19.7'	128°56.6'	S 3°56.9'	57°24.3'	S 21°58.4'	225°29.3'	N 24°15.0'
5	301°17.1'	N 11°20.5'	143°59.0'	S 3°56.9'	72°26.9'	S 21°58.4'	240°30.0'	N 24°14.9'
6	316°17.1'	N 11°21.2'	159°01.5'	S 3°56.9'	87°29.6'	S 21°58.4'	255°30.6'	N 24°14.9'
7	331°17.1'	N 11°22.0'	174°03.9'	S 3°57.0'	102°32.2'	S 21°58.3'	270°31.3'	N 24°14.8'
8	346°17.1'	N 11°22.8'	189°06.4'	S 3°57.0'	117°34.9'	S 21°58.3'	285°31.9'	N 24°14.7'
9	1°17.1'	N 11°23.6'	204°08.8'	S 3°57.0'	132°37.6'	S 21°58.3'	300°32.6'	N 24°14.7'
10	16°17.1'	N 11°24.3'	219°11.2'	S 3°57.0'	147°40.2'	S 21°58.3'	315°33.3'	N 24°14.6'
11	31°17.0'	N 11°25.1'	234°13.7'	S 3°57.0'	162°42.9'	S 21°58.3'	330°33.9'	N 24°14.6'
12	46°17.0'	N 11°25.9'	249°16.1'	S 3°57.1'	177°45.6'	S 21°58.3'	345°34.6'	N 24°14.5'
13	61°17.0'	N 11°26.6'	264°18.6'	S 3°57.1'	192°48.2'	S 21°58.3'	0°35.2'	N 24°14.4'
14	76°17.0'	N 11°27.4'	279°21.0'	S 3°57.1'	207°50.9'	S 21°58.3'	15°35.9'	N 24°14.4'
15	91°17.0'	N 11°28.2'	294°23.4'	S 3°57.1'	222°53.5'	S 21°58.3'	30°36.5'	N 24°14.3'
16	106°17.0'	N 11°28.9'	309°25.9'	S 3°57.1'	237°56.2'	S 21°58.3'	45°37.2'	N 24°14.3'
17	121°17.0'	N 11°29.7'	324°28.3'	S 3°57.2'	252°58.9'	S 21°58.3'	60°37.8'	N 24°14.2'
18	136°17.0'	N 11°30.5'	339°30.8'	S 3°57.2'	268°01.5'	S 21°58.3'	75°38.5'	N 24°14.1'
19	151°17.0'	N 11°31.2'	354°33.2'	S 3°57.2'	283°04.2'	S 21°58.3'	90°39.1'	N 24°14.1'
20	166°17.0'	N 11°32.0'	9°35.6'	S 3°57.2'	298°06.9'	S 21°58.3'	105°39.8'	N 24°14.0'
21	181°16.9'	N 11°32.8'	24°38.1'	S 3°57.3'	313°09.5'	S 21°58.3'	120°40.5'	N 24°13.9'
22	196°16.9'	N 11°33.5'	39°40.5'	S 3°57.3'	328°12.2'	S 21°58.3'	135°41.1'	N 24°13.9'
23	211°16.9'	N 11°34.3'	54°43.0'	S 3°57.3'	343°14.8'	S 21°58.3'	150°41.8'	N 24°13.8'

Wed Jun 14, 2017 UTC

UTC	Venus -4.2 v = -0.0' d = 0.8'		Jupiter -2.0 v = 2.4' d = 0.0'		Saturn +0.0 v = 2.7' d = 0.0'		Mars +1.7 v = 0.7' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°16.9'	N 11°35.1'	69°45.4'	S 3°57.3'	358°17.5'	S 21°58.3'	165°42.4'	N 24°13.7'
1	241°16.9'	N 11°35.9'	84°47.8'	S 3°57.3'	13°20.2'	S 21°58.3'	180°43.1'	N 24°13.7'
2	256°16.9'	N 11°36.6'	99°50.3'	S 3°57.4'	28°22.8'	S 21°58.3'	195°43.7'	N 24°13.6'
3	271°16.8'	N 11°37.4'	114°52.7'	S 3°57.4'	43°25.5'	S 21°58.3'	210°44.4'	N 24°13.6'
4	286°16.8'	N 11°38.2'	129°55.2'	S 3°57.4'	58°28.2'	S 21°58.3'	225°45.0'	N 24°13.5'
5	301°16.8'	N 11°38.9'	144°57.6'	S 3°57.4'	73°30.8'	S 21°58.3'	240°45.7'	N 24°13.4'
6	316°16.8'	N 11°39.7'	160°00.0'	S 3°57.5'	88°33.5'	S 21°58.2'	255°46.4'	N 24°13.4'
7	331°16.8'	N 11°40.5'	175°02.5'	S 3°57.5'	103°36.1'	S 21°58.2'	270°47.0'	N 24°13.3'
8	346°16.7'	N 11°41.2'	190°04.9'	S 3°57.5'	118°38.8'	S 21°58.2'	285°47.7'	N 24°13.2'
9	1°16.7'	N 11°42.0'	205°07.3'	S 3°57.5'	133°41.5'	S 21°58.2'	300°48.3'	N 24°13.2'
10	16°16.7'	N 11°42.8'	220°09.8'	S 3°57.6'	148°44.1'	S 21°58.2'	315°49.0'	N 24°13.1'
11	31°16.7'	N 11°43.5'	235°12.2'	S 3°57.6'	163°46.8'	S 21°58.2'	330°49.6'	N 24°13.0'
12	46°16.6'	N 11°44.3'	250°14.6'	S 3°57.6'	178°49.5'	S 21°58.2'	345°50.3'	N 24°12.9'
13	61°16.6'	N 11°45.1'	265°17.1'	S 3°57.6'	193°52.1'	S 21°58.2'	0°51.0'	N 24°12.9'
14	76°16.6'	N 11°45.8'	280°19.5'	S 3°57.7'	208°54.8'	S 21°58.2'	15°51.6'	N 24°12.8'
15	91°16.6'	N 11°46.6'	295°21.9'	S 3°57.7'	223°57.5'	S 21°58.2'	30°52.3'	N 24°12.7'
16	106°16.5'	N 11°47.4'	310°24.4'	S 3°57.7'	239°00.1'	S 21°58.2'	45°52.9'	N 24°12.7'
17	121°16.5'	N 11°48.1'	325°26.8'	S 3°57.7'	254°02.8'	S 21°58.2'	60°53.6'	N 24°12.6'
18	136°16.5'	N 11°48.9'	340°29.2'	S 3°57.8'	269°05.4'	S 21°58.2'	75°54.2'	N 24°12.5'
19	151°16.5'	N 11°49.7'	355°31.7'	S 3°57.8'	284°08.1'	S 21°58.2'	90°54.9'	N 24°12.5'
20	166°16.4'	N 11°50.4'	10°34.1'	S 3°57.8'	299°10.8'	S 21°58.2'	105°55.6'	N 24°12.4'
21	181°16.4'	N 11°51.2'	25°36.5'	S 3°57.8'	314°13.4'	S 21°58.2'	120°56.2'	N 24°12.3'
22	196°16.4'	N 11°52.0'	40°39.0'	S 3°57.9'	329°16.1'	S 21°58.2'	135°56.9'	N 24°12.2'
23	211°16.3'	N 11°52.8'	55°41.4'	S 3°57.9'	344°18.8'	S 21°58.2'	150°57.5'	N 24°12.2'

Thu Jun 15, 2017 UTC

UTC	Venus -4.2		Jupiter -2.0		Saturn +0.0		Mars +1.7	
	v = -0.0' d = 0.8'		v = 2.4' d = 0.0'		v = 2.7' d = 0.0'		v = 0.7' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°16.3'	N 11°53.5'	70°43.8'	S 3°57.9'	359°21.4'	S 21°58.2'	165°58.2'	N 24°12.1'
1	241°16.3'	N 11°54.3'	85°46.3'	S 3°57.9'	14°24.1'	S 21°58.2'	180°58.8'	N 24°12.0'
2	256°16.2'	N 11°55.1'	100°48.7'	S 3°58.0'	29°26.7'	S 21°58.2'	195°59.5'	N 24°11.9'
3	271°16.2'	N 11°55.8'	115°51.1'	S 3°58.0'	44°29.4'	S 21°58.2'	211°00.2'	N 24°11.9'
4	286°16.2'	N 11°56.6'	130°53.6'	S 3°58.0'	59°32.1'	S 21°58.2'	226°00.8'	N 24°11.8'
5	301°16.1'	N 11°57.4'	145°56.0'	S 3°58.0'	74°34.7'	S 21°58.1'	241°01.5'	N 24°11.7'
6	316°16.1'	N 11°58.1'	160°58.4'	S 3°58.1'	89°37.4'	S 21°58.1'	256°02.1'	N 24°11.6'
7	331°16.1'	N 11°58.9'	176°00.8'	S 3°58.1'	104°40.1'	S 21°58.1'	271°02.8'	N 24°11.6'
8	346°16.0'	N 11°59.7'	191°03.3'	S 3°58.1'	119°42.7'	S 21°58.1'	286°03.5'	N 24°11.5'
9	1°16.0'	N 12°00.4'	206°05.7'	S 3°58.1'	134°45.4'	S 21°58.1'	301°04.1'	N 24°11.4'
10	16°16.0'	N 12°01.2'	221°08.1'	S 3°58.2'	149°48.0'	S 21°58.1'	316°04.8'	N 24°11.3'
11	31°15.9'	N 12°02.0'	236°10.6'	S 3°58.2'	164°50.7'	S 21°58.1'	331°05.4'	N 24°11.3'
12	46°15.9'	N 12°02.7'	251°13.0'	S 3°58.2'	179°53.4'	S 21°58.1'	346°06.1'	N 24°11.2'
13	61°15.8'	N 12°03.5'	266°15.4'	S 3°58.3'	194°56.0'	S 21°58.1'	1°06.7'	N 24°11.1'
14	76°15.8'	N 12°04.3'	281°17.8'	S 3°58.3'	209°58.7'	S 21°58.1'	16°07.4'	N 24°11.0'
15	91°15.8'	N 12°05.0'	296°20.3'	S 3°58.3'	225°01.4'	S 21°58.1'	31°08.1'	N 24°10.9'
16	106°15.7'	N 12°05.8'	311°22.7'	S 3°58.3'	240°04.0'	S 21°58.1'	46°08.7'	N 24°10.9'
17	121°15.7'	N 12°06.6'	326°25.1'	S 3°58.4'	255°06.7'	S 21°58.1'	61°09.4'	N 24°10.8'
18	136°15.6'	N 12°07.3'	341°27.6'	S 3°58.4'	270°09.4'	S 21°58.1'	76°10.0'	N 24°10.7'
19	151°15.6'	N 12°08.1'	356°30.0'	S 3°58.4'	285°12.0'	S 21°58.1'	91°10.7'	N 24°10.6'
20	166°15.5'	N 12°08.9'	11°32.4'	S 3°58.5'	300°14.7'	S 21°58.1'	106°11.4'	N 24°10.6'
21	181°15.5'	N 12°09.6'	26°34.8'	S 3°58.5'	315°17.3'	S 21°58.1'	121°12.0'	N 24°10.5'
22	196°15.4'	N 12°10.4'	41°37.3'	S 3°58.5'	330°20.0'	S 21°58.1'	136°12.7'	N 24°10.4'
23	211°15.4'	N 12°11.2'	56°39.7'	S 3°58.5'	345°22.7'	S 21°58.1'	151°13.3'	N 24°10.3'

Fri Jun 16, 2017 UTC

UTC	Venus -4.2		Jupiter -2.0		Saturn +0.0		Mars +1.7	
	v = -0.1' d = 0.8'		v = 2.4' d = 0.0'		v = 2.7' d = 0.0'		v = 0.7' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°15.3'	N 12°11.9'	71°42.1'	S 3°58.6'	0°25.3'	S 21°58.1'	166°14.0'	N 24°10.2'
1	241°15.3'	N 12°12.7'	86°44.5'	S 3°58.6'	15°28.0'	S 21°58.1'	181°14.7'	N 24°10.1'
2	256°15.3'	N 12°13.5'	101°47.0'	S 3°58.6'	30°30.7'	S 21°58.1'	196°15.3'	N 24°10.1'
3	271°15.2'	N 12°14.2'	116°49.4'	S 3°58.7'	45°33.3'	S 21°58.0'	211°16.0'	N 24°10.0'
4	286°15.2'	N 12°15.0'	131°51.8'	S 3°58.7'	60°36.0'	S 21°58.0'	226°16.6'	N 24°09.9'
5	301°15.1'	N 12°15.7'	146°54.2'	S 3°58.7'	75°38.6'	S 21°58.0'	241°17.3'	N 24°09.8'
6	316°15.0'	N 12°16.5'	161°56.6'	S 3°58.7'	90°41.3'	S 21°58.0'	256°18.0'	N 24°09.7'
7	331°15.0'	N 12°17.3'	176°59.1'	S 3°58.8'	105°44.0'	S 21°58.0'	271°18.6'	N 24°09.6'
8	346°14.9'	N 12°18.0'	192°01.5'	S 3°58.8'	120°46.6'	S 21°58.0'	286°19.3'	N 24°09.6'
9	1°14.9'	N 12°18.8'	207°03.9'	S 3°58.8'	135°49.3'	S 21°58.0'	301°19.9'	N 24°09.5'
10	16°14.8'	N 12°19.6'	222°06.3'	S 3°58.9'	150°52.0'	S 21°58.0'	316°20.6'	N 24°09.4'
11	31°14.8'	N 12°20.3'	237°08.8'	S 3°58.9'	165°54.6'	S 21°58.0'	331°21.3'	N 24°09.3'
12	46°14.7'	N 12°21.1'	252°11.2'	S 3°58.9'	180°57.3'	S 21°58.0'	346°21.9'	N 24°09.2'
13	61°14.7'	N 12°21.9'	267°13.6'	S 3°58.9'	195°59.9'	S 21°58.0'	1°22.6'	N 24°09.1'
14	76°14.6'	N 12°22.6'	282°16.0'	S 3°59.0'	211°02.6'	S 21°58.0'	16°23.3'	N 24°09.1'
15	91°14.6'	N 12°23.4'	297°18.4'	S 3°59.0'	226°05.3'	S 21°58.0'	31°23.9'	N 24°09.0'
16	106°14.5'	N 12°24.2'	312°20.9'	S 3°59.0'	241°07.9'	S 21°58.0'	46°24.6'	N 24°08.9'
17	121°14.4'	N 12°24.9'	327°23.3'	S 3°59.1'	256°10.6'	S 21°58.0'	61°25.2'	N 24°08.8'
18	136°14.4'	N 12°25.7'	342°25.7'	S 3°59.1'	271°13.3'	S 21°58.0'	76°25.9'	N 24°08.7'
19	151°14.3'	N 12°26.5'	357°28.1'	S 3°59.1'	286°15.9'	S 21°58.0'	91°26.6'	N 24°08.6'
20	166°14.3'	N 12°27.2'	12°30.5'	S 3°59.2'	301°18.6'	S 21°58.0'	106°27.2'	N 24°08.5'
21	181°14.2'	N 12°28.0'	27°33.0'	S 3°59.2'	316°21.3'	S 21°58.0'	121°27.9'	N 24°08.4'
22	196°14.1'	N 12°28.7'	42°35.4'	S 3°59.2'	331°23.9'	S 21°58.0'	136°28.5'	N 24°08.3'
23	211°14.1'	N 12°29.5'	57°37.8'	S 3°59.3'	346°26.6'	S 21°58.0'	151°29.2'	N 24°08.3'

Sat Jun 17, 2017 UTC

UTC	Venus -4.1 v = -0.1' d = 0.8'		Jupiter -2.0 v = 2.4' d = 0.0'		Saturn +0.0 v = 2.7' d = 0.0'		Mars +1.7 v = 0.7' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°14.0'	N 12°30.3'	72°40.2'	S 3°59.3'	1°29.2'	S 21°58.0'	166°29.9'	N 24°08.2'
1	241°13.9'	N 12°31.0'	87°42.6'	S 3°59.3'	16°31.9'	S 21°58.0'	181°30.5'	N 24°08.1'
2	256°13.9'	N 12°31.8'	102°45.0'	S 3°59.3'	31°34.6'	S 21°57.9'	196°31.2'	N 24°08.0'
3	271°13.8'	N 12°32.6'	117°47.5'	S 3°59.4'	46°37.2'	S 21°57.9'	211°31.9'	N 24°07.9'
4	286°13.7'	N 12°33.3'	132°49.9'	S 3°59.4'	61°39.9'	S 21°57.9'	226°32.5'	N 24°07.8'
5	301°13.7'	N 12°34.1'	147°52.3'	S 3°59.4'	76°42.6'	S 21°57.9'	241°33.2'	N 24°07.7'
6	316°13.6'	N 12°34.8'	162°54.7'	S 3°59.5'	91°45.2'	S 21°57.9'	256°33.8'	N 24°07.6'
7	331°13.5'	N 12°35.6'	177°57.1'	S 3°59.5'	106°47.9'	S 21°57.9'	271°34.5'	N 24°07.5'
8	346°13.5'	N 12°36.4'	192°59.5'	S 3°59.5'	121°50.5'	S 21°57.9'	286°35.2'	N 24°07.4'
9	1°13.4'	N 12°37.1'	208°02.0'	S 3°59.6'	136°53.2'	S 21°57.9'	301°35.8'	N 24°07.3'
10	16°13.3'	N 12°37.9'	223°04.4'	S 3°59.6'	151°55.9'	S 21°57.9'	316°36.5'	N 24°07.3'
11	31°13.3'	N 12°38.7'	238°06.8'	S 3°59.6'	166°58.5'	S 21°57.9'	331°37.2'	N 24°07.2'
12	46°13.2'	N 12°39.4'	253°09.2'	S 3°59.7'	182°01.2'	S 21°57.9'	346°37.8'	N 24°07.1'
13	61°13.1'	N 12°40.2'	268°11.6'	S 3°59.7'	197°03.9'	S 21°57.9'	1°38.5'	N 24°07.0'
14	76°13.1'	N 12°40.9'	283°14.0'	S 3°59.7'	212°06.5'	S 21°57.9'	16°39.1'	N 24°06.9'
15	91°13.0'	N 12°41.7'	298°16.4'	S 3°59.8'	227°09.2'	S 21°57.9'	31°39.8'	N 24°06.8'
16	106°12.9'	N 12°42.5'	313°18.9'	S 3°59.8'	242°11.8'	S 21°57.9'	46°40.5'	N 24°06.7'
17	121°12.8'	N 12°43.2'	328°21.3'	S 3°59.8'	257°14.5'	S 21°57.9'	61°41.1'	N 24°06.6'
18	136°12.8'	N 12°44.0'	343°23.7'	S 3°59.9'	272°17.2'	S 21°57.9'	76°41.8'	N 24°06.5'
19	151°12.7'	N 12°44.8'	358°26.1'	S 3°59.9'	287°19.8'	S 21°57.9'	91°42.5'	N 24°06.4'
20	166°12.6'	N 12°45.5'	13°28.5'	S 3°59.9'	302°22.5'	S 21°57.9'	106°43.1'	N 24°06.3'
21	181°12.5'	N 12°46.3'	28°30.9'	S 3°60.0'	317°25.2'	S 21°57.9'	121°43.8'	N 24°06.2'
22	196°12.4'	N 12°47.0'	43°33.3'	S 4°00.0'	332°27.8'	S 21°57.9'	136°44.5'	N 24°06.1'
23	211°12.4'	N 12°47.8'	58°35.7'	S 4°00.0'	347°30.5'	S 21°57.9'	151°45.1'	N 24°06.0'

Sun Jun 18, 2017 UTC

UTC	Venus -4.1 v = -0.1' d = 0.8'		Jupiter -2.0 v = 2.4' d = 0.0'		Saturn +0.0 v = 2.7' d = 0.0'		Mars +1.7 v = 0.7' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°12.3'	N 12°48.6'	73°38.2'	S 4°00.1'	2°33.1'	S 21°57.9'	166°45.8'	N 24°05.9'
1	241°12.2'	N 12°49.3'	88°40.6'	S 4°00.1'	17°35.8'	S 21°57.8'	181°46.5'	N 24°05.8'
2	256°12.1'	N 12°50.1'	103°43.0'	S 4°00.1'	32°38.5'	S 21°57.8'	196°47.1'	N 24°05.7'
3	271°12.1'	N 12°50.8'	118°45.4'	S 4°00.2'	47°41.1'	S 21°57.8'	211°47.8'	N 24°05.6'
4	286°12.0'	N 12°51.6'	133°47.8'	S 4°00.2'	62°43.8'	S 21°57.8'	226°48.4'	N 24°05.5'
5	301°11.9'	N 12°52.4'	148°50.2'	S 4°00.2'	77°46.5'	S 21°57.8'	241°49.1'	N 24°05.4'
6	316°11.8'	N 12°53.1'	163°52.6'	S 4°00.3'	92°49.1'	S 21°57.8'	256°49.8'	N 24°05.3'
7	331°11.7'	N 12°53.9'	178°55.0'	S 4°00.3'	107°51.8'	S 21°57.8'	271°50.4'	N 24°05.2'
8	346°11.6'	N 12°54.6'	193°57.4'	S 4°00.4'	122°54.4'	S 21°57.8'	286°51.1'	N 24°05.1'
9	1°11.6'	N 12°55.4'	208°59.8'	S 4°00.4'	137°57.1'	S 21°57.8'	301°51.8'	N 24°05.0'
10	16°11.5'	N 12°56.2'	224°02.2'	S 4°00.4'	152°59.8'	S 21°57.8'	316°52.4'	N 24°04.9'
11	31°11.4'	N 12°56.9'	239°04.7'	S 4°00.5'	168°02.4'	S 21°57.8'	331°53.1'	N 24°04.8'
12	46°11.3'	N 12°57.7'	254°07.1'	S 4°00.5'	183°05.1'	S 21°57.8'	346°53.8'	N 24°04.7'
13	61°11.2'	N 12°58.4'	269°09.5'	S 4°00.5'	198°07.8'	S 21°57.8'	1°54.4'	N 24°04.6'
14	76°11.1'	N 12°59.2'	284°11.9'	S 4°00.6'	213°10.4'	S 21°57.8'	16°55.1'	N 24°04.5'
15	91°11.0'	N 12°60.0'	299°14.3'	S 4°00.6'	228°13.1'	S 21°57.8'	31°55.8'	N 24°04.4'
16	106°10.9'	N 13°00.7'	314°16.7'	S 4°00.6'	243°15.7'	S 21°57.8'	46°56.4'	N 24°04.3'
17	121°10.8'	N 13°01.5'	329°19.1'	S 4°00.7'	258°18.4'	S 21°57.8'	61°57.1'	N 24°04.2'
18	136°10.8'	N 13°02.2'	344°21.5'	S 4°00.7'	273°21.1'	S 21°57.8'	76°57.8'	N 24°04.1'
19	151°10.7'	N 13°03.0'	359°23.9'	S 4°00.8'	288°23.7'	S 21°57.8'	91°58.4'	N 24°04.0'
20	166°10.6'	N 13°03.7'	14°26.3'	S 4°00.8'	303°26.4'	S 21°57.8'	106°59.1'	N 24°03.9'
21	181°10.5'	N 13°04.5'	29°28.7'	S 4°00.8'	318°29.1'	S 21°57.8'	121°59.8'	N 24°03.8'
22	196°10.4'	N 13°05.3'	44°31.1'	S 4°00.9'	333°31.7'	S 21°57.8'	137°00.4'	N 24°03.7'
23	211°10.3'	N 13°06.0'	59°33.5'	S 4°00.9'	348°34.4'	S 21°57.8'	152°01.1'	N 24°03.6'

Mon Jun 19, 2017 UTC

UTC	Venus -4.1 v = -0.1' d = 0.8'		Jupiter -2.0 v = 2.4' d = 0.0'		Saturn +0.0 v = 2.7' d = 0.0'		Mars +1.7 v = 0.7' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°10.2'	N 13°06.8'	74°35.9'	S 4°00.9'	3°37.0'	S 21°57.7'	167°01.8'	N 24°03.5'
1	241°10.1'	N 13°07.5'	89°38.3'	S 4°01.0'	18°39.7'	S 21°57.7'	182°02.4'	N 24°03.4'
2	256°10.0'	N 13°08.3'	104°40.7'	S 4°01.0'	33°42.4'	S 21°57.7'	197°03.1'	N 24°03.2'
3	271°09.9'	N 13°09.0'	119°43.1'	S 4°01.0'	48°45.0'	S 21°57.7'	212°03.8'	N 24°03.1'
4	286°09.8'	N 13°09.8'	134°45.5'	S 4°01.1'	63°47.7'	S 21°57.7'	227°04.4'	N 24°03.0'
5	301°09.7'	N 13°10.6'	149°47.9'	S 4°01.1'	78°50.4'	S 21°57.7'	242°05.1'	N 24°02.9'
6	316°09.6'	N 13°11.3'	164°50.4'	S 4°01.2'	93°53.0'	S 21°57.7'	257°05.8'	N 24°02.8'
7	331°09.5'	N 13°12.1'	179°52.8'	S 4°01.2'	108°55.7'	S 21°57.7'	272°06.4'	N 24°02.7'
8	346°09.4'	N 13°12.8'	194°55.2'	S 4°01.2'	123°58.3'	S 21°57.7'	287°07.1'	N 24°02.6'
9	1°09.3'	N 13°13.6'	209°57.6'	S 4°01.3'	139°01.0'	S 21°57.7'	302°07.8'	N 24°02.5'
10	16°09.2'	N 13°14.3'	224°60.0'	S 4°01.3'	154°03.7'	S 21°57.7'	317°08.4'	N 24°02.4'
11	31°09.1'	N 13°15.1'	240°02.4'	S 4°01.4'	169°06.3'	S 21°57.7'	332°09.1'	N 24°02.3'
12	46°09.0'	N 13°15.8'	255°04.8'	S 4°01.4'	184°09.0'	S 21°57.7'	347°09.8'	N 24°02.2'
13	61°08.9'	N 13°16.6'	270°07.2'	S 4°01.4'	199°11.7'	S 21°57.7'	2°10.4'	N 24°02.1'
14	76°08.8'	N 13°17.4'	285°09.6'	S 4°01.5'	214°14.3'	S 21°57.7'	17°11.1'	N 24°01.9'
15	91°08.7'	N 13°18.1'	300°12.0'	S 4°01.5'	229°17.0'	S 21°57.7'	32°11.8'	N 24°01.8'
16	106°08.6'	N 13°18.9'	315°14.4'	S 4°01.5'	244°19.6'	S 21°57.7'	47°12.4'	N 24°01.7'
17	121°08.5'	N 13°19.6'	330°16.8'	S 4°01.6'	259°22.3'	S 21°57.7'	62°13.1'	N 24°01.6'
18	136°08.4'	N 13°20.4'	345°19.2'	S 4°01.6'	274°25.0'	S 21°57.7'	77°13.8'	N 24°01.5'
19	151°08.3'	N 13°21.1'	0°21.6'	S 4°01.7'	289°27.6'	S 21°57.7'	92°14.4'	N 24°01.4'
20	166°08.2'	N 13°21.9'	15°24.0'	S 4°01.7'	304°30.3'	S 21°57.7'	107°15.1'	N 24°01.3'
21	181°08.1'	N 13°22.6'	30°26.4'	S 4°01.7'	319°33.0'	S 21°57.7'	122°15.8'	N 24°01.2'
22	196°08.0'	N 13°23.4'	45°28.8'	S 4°01.8'	334°35.6'	S 21°57.6'	137°16.5'	N 24°01.0'
23	211°07.8'	N 13°24.1'	60°31.2'	S 4°01.8'	349°38.3'	S 21°57.6'	152°17.1'	N 24°00.9'

Tue Jun 20, 2017 UTC

UTC	Venus -4.1 v = -0.1' d = 0.8'		Jupiter -2.0 v = 2.4' d = 0.0'		Saturn +0.0 v = 2.7' d = 0.0'		Mars +1.7 v = 0.7' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°07.7'	N 13°24.9'	75°33.5'	S 4°01.9'	4°40.9'	S 21°57.6'	167°17.8'	N 24°00.8'
1	241°07.6'	N 13°25.6'	90°35.9'	S 4°01.9'	19°43.6'	S 21°57.6'	182°18.5'	N 24°00.7'
2	256°07.5'	N 13°26.4'	105°38.3'	S 4°01.9'	34°46.3'	S 21°57.6'	197°19.1'	N 24°00.6'
3	271°07.4'	N 13°27.1'	120°40.7'	S 4°02.0'	49°48.9'	S 21°57.6'	212°19.8'	N 24°00.5'
4	286°07.3'	N 13°27.9'	135°43.1'	S 4°02.0'	64°51.6'	S 21°57.6'	227°20.5'	N 24°00.4'
5	301°07.2'	N 13°28.7'	150°45.5'	S 4°02.1'	79°54.3'	S 21°57.6'	242°21.1'	N 24°00.2'
6	316°07.1'	N 13°29.4'	165°47.9'	S 4°02.1'	94°56.9'	S 21°57.6'	257°21.8'	N 24°00.1'
7	331°06.9'	N 13°30.2'	180°50.3'	S 4°02.1'	109°59.6'	S 21°57.6'	272°22.5'	N 24°00.0'
8	346°06.8'	N 13°30.9'	195°52.7'	S 4°02.2'	125°02.2'	S 21°57.6'	287°23.1'	N 23°59.9'
9	1°06.7'	N 13°31.7'	210°55.1'	S 4°02.2'	140°04.9'	S 21°57.6'	302°23.8'	N 23°59.8'
10	16°06.6'	N 13°32.4'	225°57.5'	S 4°02.3'	155°07.6'	S 21°57.6'	317°24.5'	N 23°59.7'
11	31°06.5'	N 13°33.2'	240°59.9'	S 4°02.3'	170°10.2'	S 21°57.6'	332°25.2'	N 23°59.5'
12	46°06.4'	N 13°33.9'	256°02.3'	S 4°02.3'	185°12.9'	S 21°57.6'	347°25.8'	N 23°59.4'
13	61°06.2'	N 13°34.7'	271°04.7'	S 4°02.4'	200°15.5'	S 21°57.6'	2°26.5'	N 23°59.3'
14	76°06.1'	N 13°35.4'	286°07.1'	S 4°02.4'	215°18.2'	S 21°57.6'	17°27.2'	N 23°59.2'
15	91°06.0'	N 13°36.2'	301°09.5'	S 4°02.5'	230°20.9'	S 21°57.6'	32°27.8'	N 23°59.1'
16	106°05.9'	N 13°36.9'	316°11.9'	S 4°02.5'	245°23.5'	S 21°57.6'	47°28.5'	N 23°58.9'
17	121°05.8'	N 13°37.7'	331°14.3'	S 4°02.6'	260°26.2'	S 21°57.6'	62°29.2'	N 23°58.8'
18	136°05.6'	N 13°38.4'	346°16.7'	S 4°02.6'	275°28.9'	S 21°57.6'	77°29.9'	N 23°58.7'
19	151°05.5'	N 13°39.2'	1°19.0'	S 4°02.6'	290°31.5'	S 21°57.6'	92°30.5'	N 23°58.6'
20	166°05.4'	N 13°39.9'	16°21.4'	S 4°02.7'	305°34.2'	S 21°57.6'	107°31.2'	N 23°58.5'
21	181°05.3'	N 13°40.7'	31°23.8'	S 4°02.7'	320°36.8'	S 21°57.5'	122°31.9'	N 23°58.3'
22	196°05.2'	N 13°41.4'	46°26.2'	S 4°02.8'	335°39.5'	S 21°57.5'	137°32.5'	N 23°58.2'
23	211°05.0'	N 13°42.2'	61°28.6'	S 4°02.8'	350°42.2'	S 21°57.5'	152°33.2'	N 23°58.1'

Wed Jun 21, 2017 UTC

UTC	Venus -4.1 v = -0.1' d = 0.7'		Jupiter -2.0 v = 2.4' d = 0.0'		Saturn +0.0 v = 2.7' d = 0.0'		Mars +1.7 v = 0.7' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°04.9'	N 13°42.9'	76°31.0'	S 4°02.9'	5°44.8'	S 21°57.5'	167°33.9'	N 23°58.0'
1	241°04.8'	N 13°43.7'	91°33.4'	S 4°02.9'	20°47.5'	S 21°57.5'	182°34.6'	N 23°57.8'
2	256°04.7'	N 13°44.4'	106°35.8'	S 4°02.9'	35°50.2'	S 21°57.5'	197°35.2'	N 23°57.7'
3	271°04.5'	N 13°45.1'	121°38.2'	S 4°03.0'	50°52.8'	S 21°57.5'	212°35.9'	N 23°57.6'
4	286°04.4'	N 13°45.9'	136°40.6'	S 4°03.0'	65°55.5'	S 21°57.5'	227°36.6'	N 23°57.5'
5	301°04.3'	N 13°46.6'	151°43.0'	S 4°03.1'	80°58.1'	S 21°57.5'	242°37.2'	N 23°57.4'
6	316°04.1'	N 13°47.4'	166°45.3'	S 4°03.1'	96°00.8'	S 21°57.5'	257°37.9'	N 23°57.2'
7	331°04.0'	N 13°48.1'	181°47.7'	S 4°03.2'	111°03.5'	S 21°57.5'	272°38.6'	N 23°57.1'
8	346°03.9'	N 13°48.9'	196°50.1'	S 4°03.2'	126°06.1'	S 21°57.5'	287°39.3'	N 23°57.0'
9	1°03.7'	N 13°49.6'	211°52.5'	S 4°03.2'	141°08.8'	S 21°57.5'	302°39.9'	N 23°56.9'
10	16°03.6'	N 13°50.4'	226°54.9'	S 4°03.3'	156°11.4'	S 21°57.5'	317°40.6'	N 23°56.7'
11	31°03.5'	N 13°51.1'	241°57.3'	S 4°03.3'	171°14.1'	S 21°57.5'	332°41.3'	N 23°56.6'
12	46°03.3'	N 13°51.9'	256°59.7'	S 4°03.4'	186°16.8'	S 21°57.5'	347°41.9'	N 23°56.5'
13	61°03.2'	N 13°52.6'	272°02.1'	S 4°03.4'	201°19.4'	S 21°57.5'	2°42.6'	N 23°56.3'
14	76°03.1'	N 13°53.4'	287°04.4'	S 4°03.5'	216°22.1'	S 21°57.5'	17°43.3'	N 23°56.2'
15	91°02.9'	N 13°54.1'	302°06.8'	S 4°03.5'	231°24.7'	S 21°57.5'	32°44.0'	N 23°56.1'
16	106°02.8'	N 13°54.8'	317°09.2'	S 4°03.6'	246°27.4'	S 21°57.5'	47°44.6'	N 23°56.0'
17	121°02.7'	N 13°55.6'	332°11.6'	S 4°03.6'	261°30.1'	S 21°57.5'	62°45.3'	N 23°55.8'
18	136°02.5'	N 13°56.3'	347°14.0'	S 4°03.6'	276°32.7'	S 21°57.5'	77°46.0'	N 23°55.7'
19	151°02.4'	N 13°57.1'	2°16.4'	S 4°03.7'	291°35.4'	S 21°57.5'	92°46.7'	N 23°55.6'
20	166°02.3'	N 13°57.8'	17°18.8'	S 4°03.7'	306°38.1'	S 21°57.4'	107°47.3'	N 23°55.5'
21	181°02.1'	N 13°58.6'	32°21.1'	S 4°03.8'	321°40.7'	S 21°57.4'	122°48.0'	N 23°55.3'
22	196°02.0'	N 13°59.3'	47°23.5'	S 4°03.8'	336°43.4'	S 21°57.4'	137°48.7'	N 23°55.2'
23	211°01.8'	N 14°00.1'	62°25.9'	S 4°03.9'	351°46.0'	S 21°57.4'	152°49.4'	N 23°55.1'

Thu Jun 22, 2017 UTC

UTC	Venus -4.1 v = -0.1' d = 0.7'		Jupiter -2.0 v = 2.4' d = 0.0'		Saturn +0.0 v = 2.7' d = 0.0'		Mars +1.7 v = 0.7' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	226°01.7'	N 14°00.8'	77°28.3'	S 4°03.9'	6°48.7'	S 21°57.4'	167°50.0'	N 23°54.9'
1	241°01.6'	N 14°01.5'	92°30.7'	S 4°04.0'	21°51.4'	S 21°57.4'	182°50.7'	N 23°54.8'
2	256°01.4'	N 14°02.3'	107°33.1'	S 4°04.0'	36°54.0'	S 21°57.4'	197°51.4'	N 23°54.7'
3	271°01.3'	N 14°03.0'	122°35.4'	S 4°04.1'	51°56.7'	S 21°57.4'	212°52.1'	N 23°54.5'
4	286°01.1'	N 14°03.8'	137°37.8'	S 4°04.1'	66°59.3'	S 21°57.4'	227°52.7'	N 23°54.4'
5	301°01.0'	N 14°04.5'	152°40.2'	S 4°04.1'	82°02.0'	S 21°57.4'	242°53.4'	N 23°54.3'
6	316°00.8'	N 14°05.2'	167°42.6'	S 4°04.2'	97°04.7'	S 21°57.4'	257°54.1'	N 23°54.1'
7	331°00.7'	N 14°06.0'	182°45.0'	S 4°04.2'	112°07.3'	S 21°57.4'	272°54.7'	N 23°54.0'
8	346°00.6'	N 14°06.7'	197°47.4'	S 4°04.3'	127°10.0'	S 21°57.4'	287°55.4'	N 23°53.9'
9	1°00.4'	N 14°07.5'	212°49.7'	S 4°04.3'	142°12.6'	S 21°57.4'	302°56.1'	N 23°53.7'
10	16°00.3'	N 14°08.2'	227°52.1'	S 4°04.4'	157°15.3'	S 21°57.4'	317°56.8'	N 23°53.6'
11	31°00.1'	N 14°09.0'	242°54.5'	S 4°04.4'	172°18.0'	S 21°57.4'	332°57.5'	N 23°53.5'
12	45°60.0'	N 14°09.7'	257°56.9'	S 4°04.5'	187°20.6'	S 21°57.4'	347°58.1'	N 23°53.3'
13	60°59.8'	N 14°10.4'	272°59.3'	S 4°04.5'	202°23.3'	S 21°57.4'	2°58.8'	N 23°53.2'
14	75°59.7'	N 14°11.2'	288°01.6'	S 4°04.6'	217°25.9'	S 21°57.4'	17°59.5'	N 23°53.1'
15	90°59.5'	N 14°11.9'	303°04.0'	S 4°04.6'	232°28.6'	S 21°57.4'	33°00.2'	N 23°52.9'
16	105°59.4'	N 14°12.7'	318°06.4'	S 4°04.7'	247°31.3'	S 21°57.4'	48°00.8'	N 23°52.8'
17	120°59.2'	N 14°13.4'	333°08.8'	S 4°04.7'	262°33.9'	S 21°57.4'	63°01.5'	N 23°52.7'
18	135°59.1'	N 14°14.1'	348°11.2'	S 4°04.8'	277°36.6'	S 21°57.4'	78°02.2'	N 23°52.5'
19	150°58.9'	N 14°14.9'	3°13.5'	S 4°04.8'	292°39.3'	S 21°57.3'	93°02.9'	N 23°52.4'
20	165°58.8'	N 14°15.6'	18°15.9'	S 4°04.9'	307°41.9'	S 21°57.3'	108°03.5'	N 23°52.3'
21	180°58.6'	N 14°16.3'	33°18.3'	S 4°04.9'	322°44.6'	S 21°57.3'	123°04.2'	N 23°52.1'
22	195°58.4'	N 14°17.1'	48°20.7'	S 4°04.9'	337°47.2'	S 21°57.3'	138°04.9'	N 23°52.0'
23	210°58.3'	N 14°17.8'	63°23.1'	S 4°05.0'	352°49.9'	S 21°57.3'	153°05.6'	N 23°51.8'

Fri Jun 23, 2017 UTC

UTC	Venus -4.1		Jupiter -1.9		Saturn +0.0		Mars +1.7	
	v = -0.2' d = 0.7'		v = 2.4' d = 0.0'		v = 2.7' d = 0.0'		v = 0.7' d = 0.1'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	225°58.1'	N 14°18.6'	78°25.4'	S 4°05.0'	7°52.6'	S 21°57.3'	168°06.2'	N 23°51.7'
1	240°58.0'	N 14°19.3'	93°27.8'	S 4°05.1'	22°55.2'	S 21°57.3'	183°06.9'	N 23°51.6'
2	255°57.8'	N 14°20.0'	108°30.2'	S 4°05.1'	37°57.9'	S 21°57.3'	198°07.6'	N 23°51.4'
3	270°57.7'	N 14°20.8'	123°32.6'	S 4°05.2'	53°00.5'	S 21°57.3'	213°08.3'	N 23°51.3'
4	285°57.5'	N 14°21.5'	138°34.9'	S 4°05.2'	68°03.2'	S 21°57.3'	228°08.9'	N 23°51.1'
5	300°57.4'	N 14°22.2'	153°37.3'	S 4°05.3'	83°05.9'	S 21°57.3'	243°09.6'	N 23°51.0'
6	315°57.2'	N 14°23.0'	168°39.7'	S 4°05.3'	98°08.5'	S 21°57.3'	258°10.3'	N 23°50.9'
7	330°57.0'	N 14°23.7'	183°42.1'	S 4°05.4'	113°11.2'	S 21°57.3'	273°11.0'	N 23°50.7'
8	345°56.9'	N 14°24.4'	198°44.4'	S 4°05.4'	128°13.8'	S 21°57.3'	288°11.7'	N 23°50.6'
9	0°56.7'	N 14°25.2'	213°46.8'	S 4°05.5'	143°16.5'	S 21°57.3'	303°12.3'	N 23°50.4'
10	15°56.5'	N 14°25.9'	228°49.2'	S 4°05.5'	158°19.2'	S 21°57.3'	318°13.0'	N 23°50.3'
11	30°56.4'	N 14°26.6'	243°51.6'	S 4°05.6'	173°21.8'	S 21°57.3'	333°13.7'	N 23°50.2'
12	45°56.2'	N 14°27.4'	258°53.9'	S 4°05.6'	188°24.5'	S 21°57.3'	348°14.4'	N 23°50.0'
13	60°56.1'	N 14°28.1'	273°56.3'	S 4°05.7'	203°27.1'	S 21°57.3'	3°15.0'	N 23°49.9'
14	75°55.9'	N 14°28.8'	288°58.7'	S 4°05.7'	218°29.8'	S 21°57.3'	18°15.7'	N 23°49.7'
15	90°55.7'	N 14°29.6'	304°01.1'	S 4°05.8'	233°32.5'	S 21°57.3'	33°16.4'	N 23°49.6'
16	105°55.6'	N 14°30.3'	319°03.4'	S 4°05.8'	248°35.1'	S 21°57.3'	48°17.1'	N 23°49.4'
17	120°55.4'	N 14°31.0'	334°05.8'	S 4°05.9'	263°37.8'	S 21°57.3'	63°17.8'	N 23°49.3'
18	135°55.2'	N 14°31.8'	349°08.2'	S 4°05.9'	278°40.4'	S 21°57.3'	78°18.4'	N 23°49.2'
19	150°55.1'	N 14°32.5'	4°10.5'	S 4°06.0'	293°43.1'	S 21°57.2'	93°19.1'	N 23°49.0'
20	165°54.9'	N 14°33.2'	19°12.9'	S 4°06.0'	308°45.8'	S 21°57.2'	108°19.8'	N 23°48.9'
21	180°54.7'	N 14°34.0'	34°15.3'	S 4°06.1'	323°48.4'	S 21°57.2'	123°20.5'	N 23°48.7'
22	195°54.6'	N 14°34.7'	49°17.7'	S 4°06.1'	338°51.1'	S 21°57.2'	138°21.2'	N 23°48.6'
23	210°54.4'	N 14°35.4'	64°20.0'	S 4°06.2'	353°53.7'	S 21°57.2'	153°21.8'	N 23°48.4'

Sat Jun 24, 2017 UTC

UTC	Venus -4.1		Jupiter -1.9		Saturn +0.0		Mars +1.7	
	v = -0.2' d = 0.7'		v = 2.4' d = 0.1'		v = 2.7' d = 0.0'		v = 0.7' d = 0.2'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	225°54.2'	N 14°36.2'	79°22.4'	S 4°06.2'	8°56.4'	S 21°57.2'	168°22.5'	N 23°48.3'
1	240°54.0'	N 14°36.9'	94°24.8'	S 4°06.3'	23°59.0'	S 21°57.2'	183°23.2'	N 23°48.1'
2	255°53.9'	N 14°37.6'	109°27.1'	S 4°06.3'	39°01.7'	S 21°57.2'	198°23.9'	N 23°48.0'
3	270°53.7'	N 14°38.4'	124°29.5'	S 4°06.4'	54°04.4'	S 21°57.2'	213°24.6'	N 23°47.8'
4	285°53.5'	N 14°39.1'	139°31.9'	S 4°06.4'	69°07.0'	S 21°57.2'	228°25.2'	N 23°47.7'
5	300°53.3'	N 14°39.8'	154°34.3'	S 4°06.5'	84°09.7'	S 21°57.2'	243°25.9'	N 23°47.5'
6	315°53.2'	N 14°40.5'	169°36.6'	S 4°06.5'	99°12.3'	S 21°57.2'	258°26.6'	N 23°47.4'
7	330°53.0'	N 14°41.3'	184°39.0'	S 4°06.6'	114°15.0'	S 21°57.2'	273°27.3'	N 23°47.3'
8	345°52.8'	N 14°42.0'	199°41.4'	S 4°06.7'	129°17.7'	S 21°57.2'	288°28.0'	N 23°47.1'
9	0°52.6'	N 14°42.7'	214°43.7'	S 4°06.7'	144°20.3'	S 21°57.2'	303°28.6'	N 23°47.0'
10	15°52.5'	N 14°43.5'	229°46.1'	S 4°06.8'	159°23.0'	S 21°57.2'	318°29.3'	N 23°46.8'
11	30°52.3'	N 14°44.2'	244°48.5'	S 4°06.8'	174°25.6'	S 21°57.2'	333°30.0'	N 23°46.7'
12	45°52.1'	N 14°44.9'	259°50.8'	S 4°06.9'	189°28.3'	S 21°57.2'	348°30.7'	N 23°46.5'
13	60°51.9'	N 14°45.6'	274°53.2'	S 4°06.9'	204°31.0'	S 21°57.2'	3°31.4'	N 23°46.4'
14	75°51.8'	N 14°46.4'	289°55.6'	S 4°07.0'	219°33.6'	S 21°57.2'	18°32.0'	N 23°46.2'
15	90°51.6'	N 14°47.1'	304°57.9'	S 4°07.0'	234°36.3'	S 21°57.2'	33°32.7'	N 23°46.1'
16	105°51.4'	N 14°47.8'	320°00.3'	S 4°07.1'	249°38.9'	S 21°57.2'	48°33.4'	N 23°45.9'
17	120°51.2'	N 14°48.5'	335°02.7'	S 4°07.1'	264°41.6'	S 21°57.2'	63°34.1'	N 23°45.7'
18	135°51.0'	N 14°49.3'	350°05.0'	S 4°07.2'	279°44.3'	S 21°57.2'	78°34.8'	N 23°45.6'
19	150°50.8'	N 14°50.0'	5°07.4'	S 4°07.2'	294°46.9'	S 21°57.1'	93°35.4'	N 23°45.4'
20	165°50.7'	N 14°50.7'	20°09.8'	S 4°07.3'	309°49.6'	S 21°57.1'	108°36.1'	N 23°45.3'
21	180°50.5'	N 14°51.4'	35°12.1'	S 4°07.3'	324°52.2'	S 21°57.1'	123°36.8'	N 23°45.1'
22	195°50.3'	N 14°52.2'	50°14.5'	S 4°07.4'	339°54.9'	S 21°57.1'	138°37.5'	N 23°45.0'
23	210°50.1'	N 14°52.9'	65°16.9'	S 4°07.4'	354°57.5'	S 21°57.1'	153°38.2'	N 23°44.8'

Sun Jun 25, 2017 UTC

UTC	Venus -4.1		Jupiter -1.9		Saturn +0.0		Mars +1.6	
	v = -0.2' d = 0.7'		v = 2.4' d = 0.1'		v = 2.7' d = 0.0'		v = 0.7' d = 0.2'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	225°49.9'	N 14°53.6'	80°19.2'	S 4°07.5'	10°00.2'	S 21°57.1'	168°38.9'	N 23°44.7'
1	240°49.7'	N 14°54.3'	95°21.6'	S 4°07.6'	25°02.9'	S 21°57.1'	183°39.5'	N 23°44.5'
2	255°49.6'	N 14°55.1'	110°23.9'	S 4°07.6'	40°05.5'	S 21°57.1'	198°40.2'	N 23°44.4'
3	270°49.4'	N 14°55.8'	125°26.3'	S 4°07.7'	55°08.2'	S 21°57.1'	213°40.9'	N 23°44.2'
4	285°49.2'	N 14°56.5'	140°28.7'	S 4°07.7'	70°10.8'	S 21°57.1'	228°41.6'	N 23°44.1'
5	300°49.0'	N 14°57.2'	155°31.0'	S 4°07.8'	85°13.5'	S 21°57.1'	243°42.3'	N 23°43.9'
6	315°48.8'	N 14°57.9'	170°33.4'	S 4°07.8'	100°16.2'	S 21°57.1'	258°43.0'	N 23°43.7'
7	330°48.6'	N 14°58.7'	185°35.8'	S 4°07.9'	115°18.8'	S 21°57.1'	273°43.6'	N 23°43.6'
8	345°48.4'	N 14°59.4'	200°38.1'	S 4°07.9'	130°21.5'	S 21°57.1'	288°44.3'	N 23°43.4'
9	0°48.2'	N 15°00.1'	215°40.5'	S 4°08.0'	145°24.1'	S 21°57.1'	303°45.0'	N 23°43.3'
10	15°48.0'	N 15°00.8'	230°42.8'	S 4°08.0'	160°26.8'	S 21°57.1'	318°45.7'	N 23°43.1'
11	30°47.8'	N 15°01.6'	245°45.2'	S 4°08.1'	175°29.4'	S 21°57.1'	333°46.4'	N 23°43.0'
12	45°47.6'	N 15°02.3'	260°47.6'	S 4°08.2'	190°32.1'	S 21°57.1'	348°47.1'	N 23°42.8'
13	60°47.5'	N 15°03.0'	275°49.9'	S 4°08.2'	205°34.8'	S 21°57.1'	3°47.7'	N 23°42.6'
14	75°47.3'	N 15°03.7'	290°52.3'	S 4°08.3'	220°37.4'	S 21°57.1'	18°48.4'	N 23°42.5'
15	90°47.1'	N 15°04.4'	305°54.6'	S 4°08.3'	235°40.1'	S 21°57.1'	33°49.1'	N 23°42.3'
16	105°46.9'	N 15°05.2'	320°57.0'	S 4°08.4'	250°42.7'	S 21°57.1'	48°49.8'	N 23°42.2'
17	120°46.7'	N 15°05.9'	335°59.4'	S 4°08.4'	265°45.4'	S 21°57.1'	63°50.5'	N 23°42.0'
18	135°46.5'	N 15°06.6'	351°01.7'	S 4°08.5'	280°48.1'	S 21°57.1'	78°51.2'	N 23°41.8'
19	150°46.3'	N 15°07.3'	6°04.1'	S 4°08.5'	295°50.7'	S 21°57.0'	93°51.8'	N 23°41.7'
20	165°46.1'	N 15°08.0'	21°06.4'	S 4°08.6'	310°53.4'	S 21°57.0'	108°52.5'	N 23°41.5'
21	180°45.9'	N 15°08.7'	36°08.8'	S 4°08.7'	325°56.0'	S 21°57.0'	123°53.2'	N 23°41.4'
22	195°45.7'	N 15°09.5'	51°11.2'	S 4°08.7'	340°58.7'	S 21°57.0'	138°53.9'	N 23°41.2'
23	210°45.5'	N 15°10.2'	66°13.5'	S 4°08.8'	356°01.3'	S 21°57.0'	153°54.6'	N 23°41.0'

Mon Jun 26, 2017 UTC

UTC	Venus -4.1		Jupiter -1.9		Saturn +0.0		Mars +1.6	
	v = -0.2' d = 0.7'		v = 2.4' d = 0.1'		v = 2.7' d = 0.0'		v = 0.7' d = 0.2'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	225°45.3'	N 15°10.9'	81°15.9'	S 4°08.8'	11°04.0'	S 21°57.0'	168°55.3'	N 23°40.9'
1	240°45.1'	N 15°11.6'	96°18.2'	S 4°08.9'	26°06.7'	S 21°57.0'	183°55.9'	N 23°40.7'
2	255°44.9'	N 15°12.3'	111°20.6'	S 4°08.9'	41°09.3'	S 21°57.0'	198°56.6'	N 23°40.6'
3	270°44.7'	N 15°13.0'	126°22.9'	S 4°09.0'	56°12.0'	S 21°57.0'	213°57.3'	N 23°40.4'
4	285°44.5'	N 15°13.7'	141°25.3'	S 4°09.1'	71°14.6'	S 21°57.0'	228°58.0'	N 23°40.2'
5	300°44.3'	N 15°14.5'	156°27.7'	S 4°09.1'	86°17.3'	S 21°57.0'	243°58.7'	N 23°40.1'
6	315°44.1'	N 15°15.2'	171°30.0'	S 4°09.2'	101°19.9'	S 21°57.0'	258°59.4'	N 23°39.9'
7	330°43.9'	N 15°15.9'	186°32.4'	S 4°09.2'	116°22.6'	S 21°57.0'	274°00.1'	N 23°39.7'
8	345°43.7'	N 15°16.6'	201°34.7'	S 4°09.3'	131°25.3'	S 21°57.0'	289°00.7'	N 23°39.6'
9	0°43.4'	N 15°17.3'	216°37.1'	S 4°09.3'	146°27.9'	S 21°57.0'	304°01.4'	N 23°39.4'
10	15°43.2'	N 15°18.0'	231°39.4'	S 4°09.4'	161°30.6'	S 21°57.0'	319°02.1'	N 23°39.2'
11	30°43.0'	N 15°18.7'	246°41.8'	S 4°09.5'	176°33.2'	S 21°57.0'	334°02.8'	N 23°39.1'
12	45°42.8'	N 15°19.5'	261°44.1'	S 4°09.5'	191°35.9'	S 21°57.0'	349°03.5'	N 23°38.9'
13	60°42.6'	N 15°20.2'	276°46.5'	S 4°09.6'	206°38.5'	S 21°57.0'	4°04.2'	N 23°38.7'
14	75°42.4'	N 15°20.9'	291°48.8'	S 4°09.6'	221°41.2'	S 21°57.0'	19°04.9'	N 23°38.6'
15	90°42.2'	N 15°21.6'	306°51.2'	S 4°09.7'	236°43.9'	S 21°57.0'	34°05.6'	N 23°38.4'
16	105°42.0'	N 15°22.3'	321°53.6'	S 4°09.7'	251°46.5'	S 21°57.0'	49°06.2'	N 23°38.2'
17	120°41.8'	N 15°23.0'	336°55.9'	S 4°09.8'	266°49.2'	S 21°57.0'	64°06.9'	N 23°38.1'
18	135°41.6'	N 15°23.7'	351°58.3'	S 4°09.9'	281°51.8'	S 21°57.0'	79°07.6'	N 23°37.9'
19	150°41.4'	N 15°24.4'	7°00.6'	S 4°09.9'	296°54.5'	S 21°57.0'	94°08.3'	N 23°37.7'
20	165°41.1'	N 15°25.1'	22°03.0'	S 4°10.0'	311°57.1'	S 21°56.9'	109°09.0'	N 23°37.6'
21	180°40.9'	N 15°25.8'	37°05.3'	S 4°10.0'	326°59.8'	S 21°56.9'	124°09.7'	N 23°37.4'
22	195°40.7'	N 15°26.6'	52°07.7'	S 4°10.1'	342°02.5'	S 21°56.9'	139°10.4'	N 23°37.2'
23	210°40.5'	N 15°27.3'	67°10.0'	S 4°10.2'	357°05.1'	S 21°56.9'	154°11.1'	N 23°37.1'

Tue Jun 27, 2017 UTC

UTC	Venus -4.1		Jupiter -1.9		Saturn +0.0		Mars +1.6	
	v = -0.2' d = 0.7'		v = 2.3' d = 0.1'		v = 2.7' d = 0.0'		v = 0.7' d = 0.2'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	225°40.3'	N 15°28.0'	82°12.4'	S 4°10.2'	12°07.8'	S 21°56.9'	169°11.7'	N 23°36.9'
1	240°40.1'	N 15°28.7'	97°14.7'	S 4°10.3'	27°10.4'	S 21°56.9'	184°12.4'	N 23°36.7'
2	255°39.8'	N 15°29.4'	112°17.1'	S 4°10.3'	42°13.1'	S 21°56.9'	199°13.1'	N 23°36.6'
3	270°39.6'	N 15°30.1'	127°19.4'	S 4°10.4'	57°15.7'	S 21°56.9'	214°13.8'	N 23°36.4'
4	285°39.4'	N 15°30.8'	142°21.8'	S 4°10.5'	72°18.4'	S 21°56.9'	229°14.5'	N 23°36.2'
5	300°39.2'	N 15°31.5'	157°24.1'	S 4°10.5'	87°21.1'	S 21°56.9'	244°15.2'	N 23°36.0'
6	315°39.0'	N 15°32.2'	172°26.5'	S 4°10.6'	102°23.7'	S 21°56.9'	259°15.9'	N 23°35.9'
7	330°38.8'	N 15°32.9'	187°28.8'	S 4°10.6'	117°26.4'	S 21°56.9'	274°16.6'	N 23°35.7'
8	345°38.5'	N 15°33.6'	202°31.2'	S 4°10.7'	132°29.0'	S 21°56.9'	289°17.3'	N 23°35.5'
9	0°38.3'	N 15°34.3'	217°33.5'	S 4°10.8'	147°31.7'	S 21°56.9'	304°17.9'	N 23°35.3'
10	15°38.1'	N 15°35.0'	232°35.9'	S 4°10.8'	162°34.3'	S 21°56.9'	319°18.6'	N 23°35.2'
11	30°37.9'	N 15°35.7'	247°38.2'	S 4°10.9'	177°37.0'	S 21°56.9'	334°19.3'	N 23°35.0'
12	45°37.6'	N 15°36.4'	262°40.6'	S 4°10.9'	192°39.6'	S 21°56.9'	349°20.0'	N 23°34.8'
13	60°37.4'	N 15°37.1'	277°42.9'	S 4°11.0'	207°42.3'	S 21°56.9'	4°20.7'	N 23°34.7'
14	75°37.2'	N 15°37.8'	292°45.3'	S 4°11.1'	222°45.0'	S 21°56.9'	19°21.4'	N 23°34.5'
15	90°37.0'	N 15°38.5'	307°47.6'	S 4°11.1'	237°47.6'	S 21°56.9'	34°22.1'	N 23°34.3'
16	105°36.7'	N 15°39.2'	322°49.9'	S 4°11.2'	252°50.3'	S 21°56.9'	49°22.8'	N 23°34.1'
17	120°36.5'	N 15°39.9'	337°52.3'	S 4°11.2'	267°52.9'	S 21°56.9'	64°23.5'	N 23°34.0'
18	135°36.3'	N 15°40.6'	352°54.6'	S 4°11.3'	282°55.6'	S 21°56.9'	79°24.2'	N 23°33.8'
19	150°36.1'	N 15°41.3'	7°57.0'	S 4°11.4'	297°58.2'	S 21°56.9'	94°24.8'	N 23°33.6'
20	165°35.8'	N 15°42.0'	22°59.3'	S 4°11.4'	313°00.9'	S 21°56.8'	109°25.5'	N 23°33.4'
21	180°35.6'	N 15°42.7'	38°01.7'	S 4°11.5'	328°03.5'	S 21°56.8'	124°26.2'	N 23°33.3'
22	195°35.4'	N 15°43.4'	53°04.0'	S 4°11.5'	343°06.2'	S 21°56.8'	139°26.9'	N 23°33.1'
23	210°35.2'	N 15°44.1'	68°06.4'	S 4°11.6'	358°08.9'	S 21°56.8'	154°27.6'	N 23°32.9'

Wed Jun 28, 2017 UTC

UTC	Venus -4.1		Jupiter -1.9		Saturn +0.0		Mars +1.6	
	v = -0.2' d = 0.7'		v = 2.3' d = 0.1'		v = 2.7' d = 0.0'		v = 0.7' d = 0.2'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	225°34.9'	N 15°44.8'	83°08.7'	S 4°11.7'	13°11.5'	S 21°56.8'	169°28.3'	N 23°32.7'
1	240°34.7'	N 15°45.5'	98°11.1'	S 4°11.7'	28°14.2'	S 21°56.8'	184°29.0'	N 23°32.5'
2	255°34.5'	N 15°46.2'	113°13.4'	S 4°11.8'	43°16.8'	S 21°56.8'	199°29.7'	N 23°32.4'
3	270°34.2'	N 15°46.9'	128°15.7'	S 4°11.9'	58°19.5'	S 21°56.8'	214°30.4'	N 23°32.2'
4	285°34.0'	N 15°47.6'	143°18.1'	S 4°11.9'	73°22.1'	S 21°56.8'	229°31.1'	N 23°32.0'
5	300°33.8'	N 15°48.3'	158°20.4'	S 4°12.0'	88°24.8'	S 21°56.8'	244°31.8'	N 23°31.8'
6	315°33.5'	N 15°49.0'	173°22.8'	S 4°12.0'	103°27.4'	S 21°56.8'	259°32.4'	N 23°31.6'
7	330°33.3'	N 15°49.7'	188°25.1'	S 4°12.1'	118°30.1'	S 21°56.8'	274°33.1'	N 23°31.5'
8	345°33.1'	N 15°50.4'	203°27.5'	S 4°12.2'	133°32.7'	S 21°56.8'	289°33.8'	N 23°31.3'
9	0°32.8'	N 15°51.1'	218°29.8'	S 4°12.2'	148°35.4'	S 21°56.8'	304°34.5'	N 23°31.1'
10	15°32.6'	N 15°51.8'	233°32.1'	S 4°12.3'	163°38.1'	S 21°56.8'	319°35.2'	N 23°30.9'
11	30°32.3'	N 15°52.5'	248°34.5'	S 4°12.4'	178°40.7'	S 21°56.8'	334°35.9'	N 23°30.7'
12	45°32.1'	N 15°53.2'	263°36.8'	S 4°12.4'	193°43.4'	S 21°56.8'	349°36.6'	N 23°30.6'
13	60°31.9'	N 15°53.9'	278°39.2'	S 4°12.5'	208°46.0'	S 21°56.8'	4°37.3'	N 23°30.4'
14	75°31.6'	N 15°54.6'	293°41.5'	S 4°12.5'	223°48.7'	S 21°56.8'	19°38.0'	N 23°30.2'
15	90°31.4'	N 15°55.3'	308°43.8'	S 4°12.6'	238°51.3'	S 21°56.8'	34°38.7'	N 23°30.0'
16	105°31.2'	N 15°56.0'	323°46.2'	S 4°12.7'	253°54.0'	S 21°56.8'	49°39.4'	N 23°29.8'
17	120°30.9'	N 15°56.7'	338°48.5'	S 4°12.7'	268°56.6'	S 21°56.8'	64°40.1'	N 23°29.7'
18	135°30.7'	N 15°57.4'	353°50.9'	S 4°12.8'	283°59.3'	S 21°56.8'	79°40.8'	N 23°29.5'
19	150°30.4'	N 15°58.1'	8°53.2'	S 4°12.9'	299°01.9'	S 21°56.8'	94°41.5'	N 23°29.3'
20	165°30.2'	N 15°58.7'	23°55.5'	S 4°12.9'	314°04.6'	S 21°56.8'	109°42.1'	N 23°29.1'
21	180°29.9'	N 15°59.4'	38°57.9'	S 4°13.0'	329°07.3'	S 21°56.8'	124°42.8'	N 23°28.9'
22	195°29.7'	N 16°00.1'	54°00.2'	S 4°13.1'	344°09.9'	S 21°56.7'	139°43.5'	N 23°28.7'
23	210°29.5'	N 16°00.8'	69°02.6'	S 4°13.1'	359°12.6'	S 21°56.7'	154°44.2'	N 23°28.5'

Thu Jun 29, 2017 UTC

UTC	Venus -4.1		Jupiter -1.9		Saturn +0.1		Mars +1.6	
	v = -0.3' d = 0.7'		v = 2.3' d = 0.1'		v = 2.7' d = 0.0'		v = 0.7' d = 0.2'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	225°29.2'	N 16°01.5'	84°04.9'	S 4°13.2'	14°15.2'	S 21°56.7'	169°44.9'	N 23°28.4'
1	240°29.0'	N 16°02.2'	99°07.2'	S 4°13.3'	29°17.9'	S 21°56.7'	184°45.6'	N 23°28.2'
2	255°28.7'	N 16°02.9'	114°09.6'	S 4°13.3'	44°20.5'	S 21°56.7'	199°46.3'	N 23°28.0'
3	270°28.5'	N 16°03.6'	129°11.9'	S 4°13.4'	59°23.2'	S 21°56.7'	214°47.0'	N 23°27.8'
4	285°28.2'	N 16°04.3'	144°14.2'	S 4°13.4'	74°25.8'	S 21°56.7'	229°47.7'	N 23°27.6'
5	300°28.0'	N 16°05.0'	159°16.6'	S 4°13.5'	89°28.5'	S 21°56.7'	244°48.4'	N 23°27.4'
6	315°27.7'	N 16°05.6'	174°18.9'	S 4°13.6'	104°31.1'	S 21°56.7'	259°49.1'	N 23°27.2'
7	330°27.5'	N 16°06.3'	189°21.3'	S 4°13.6'	119°33.8'	S 21°56.7'	274°49.8'	N 23°27.1'
8	345°27.2'	N 16°07.0'	204°23.6'	S 4°13.7'	134°36.4'	S 21°56.7'	289°50.5'	N 23°26.9'
9	0°27.0'	N 16°07.7'	219°25.9'	S 4°13.8'	149°39.1'	S 21°56.7'	304°51.2'	N 23°26.7'
10	15°26.7'	N 16°08.4'	234°28.3'	S 4°13.8'	164°41.8'	S 21°56.7'	319°51.9'	N 23°26.5'
11	30°26.5'	N 16°09.1'	249°30.6'	S 4°13.9'	179°44.4'	S 21°56.7'	334°52.6'	N 23°26.3'
12	45°26.2'	N 16°09.8'	264°32.9'	S 4°14.0'	194°47.1'	S 21°56.7'	349°53.3'	N 23°26.1'
13	60°26.0'	N 16°10.4'	279°35.3'	S 4°14.0'	209°49.7'	S 21°56.7'	4°54.0'	N 23°25.9'
14	75°25.7'	N 16°11.1'	294°37.6'	S 4°14.1'	224°52.4'	S 21°56.7'	19°54.7'	N 23°25.7'
15	90°25.5'	N 16°11.8'	309°39.9'	S 4°14.2'	239°55.0'	S 21°56.7'	34°55.4'	N 23°25.5'
16	105°25.2'	N 16°12.5'	324°42.3'	S 4°14.2'	254°57.7'	S 21°56.7'	49°56.1'	N 23°25.4'
17	120°25.0'	N 16°13.2'	339°44.6'	S 4°14.3'	270°00.3'	S 21°56.7'	64°56.8'	N 23°25.2'
18	135°24.7'	N 16°13.9'	354°46.9'	S 4°14.4'	285°03.0'	S 21°56.7'	79°57.4'	N 23°25.0'
19	150°24.4'	N 16°14.5'	9°49.3'	S 4°14.4'	300°05.6'	S 21°56.7'	94°58.1'	N 23°24.8'
20	165°24.2'	N 16°15.2'	24°51.6'	S 4°14.5'	315°08.3'	S 21°56.7'	109°58.8'	N 23°24.6'
21	180°23.9'	N 16°15.9'	39°53.9'	S 4°14.6'	330°10.9'	S 21°56.7'	124°59.5'	N 23°24.4'
22	195°23.7'	N 16°16.6'	54°56.3'	S 4°14.6'	345°13.6'	S 21°56.7'	140°00.2'	N 23°24.2'
23	210°23.4'	N 16°17.3'	69°58.6'	S 4°14.7'	0°16.2'	S 21°56.7'	155°00.9'	N 23°24.0'

Fri Jun 30, 2017 UTC

UTC	Venus -4.1		Jupiter -1.9		Saturn +0.1		Mars +1.6	
	v = -0.3' d = 0.7'		v = 2.3' d = 0.1'		v = 2.7' d = 0.0'		v = 0.7' d = 0.2'	
	GHA	dec	GHA	dec	GHA	dec	GHA	dec
0	225°23.1'	N 16°17.9'	85°00.9'	S 4°14.8'	15°18.9'	S 21°56.6'	170°01.6'	N 23°23.8'
1	240°22.9'	N 16°18.6'	100°03.3'	S 4°14.8'	30°21.6'	S 21°56.6'	185°02.3'	N 23°23.6'
2	255°22.6'	N 16°19.3'	115°05.6'	S 4°14.9'	45°24.2'	S 21°56.6'	200°03.0'	N 23°23.4'
3	270°22.4'	N 16°20.0'	130°07.9'	S 4°15.0'	60°26.9'	S 21°56.6'	215°03.7'	N 23°23.2'
4	285°22.1'	N 16°20.7'	145°10.3'	S 4°15.0'	75°29.5'	S 21°56.6'	230°04.4'	N 23°23.0'
5	300°21.8'	N 16°21.3'	160°12.6'	S 4°15.1'	90°32.2'	S 21°56.6'	245°05.1'	N 23°22.9'
6	315°21.6'	N 16°22.0'	175°14.9'	S 4°15.2'	105°34.8'	S 21°56.6'	260°05.8'	N 23°22.7'
7	330°21.3'	N 16°22.7'	190°17.2'	S 4°15.2'	120°37.5'	S 21°56.6'	275°06.5'	N 23°22.5'
8	345°21.0'	N 16°23.4'	205°19.6'	S 4°15.3'	135°40.1'	S 21°56.6'	290°07.2'	N 23°22.3'
9	0°20.8'	N 16°24.0'	220°21.9'	S 4°15.4'	150°42.8'	S 21°56.6'	305°07.9'	N 23°22.1'
10	15°20.5'	N 16°24.7'	235°24.2'	S 4°15.4'	165°45.4'	S 21°56.6'	320°08.6'	N 23°21.9'
11	30°20.2'	N 16°25.4'	250°26.6'	S 4°15.5'	180°48.1'	S 21°56.6'	335°09.3'	N 23°21.7'
12	45°20.0'	N 16°26.1'	265°28.9'	S 4°15.6'	195°50.7'	S 21°56.6'	350°10.0'	N 23°21.5'
13	60°19.7'	N 16°26.7'	280°31.2'	S 4°15.6'	210°53.4'	S 21°56.6'	5°10.7'	N 23°21.3'
14	75°19.4'	N 16°27.4'	295°33.5'	S 4°15.7'	225°56.0'	S 21°56.6'	20°11.4'	N 23°21.1'
15	90°19.2'	N 16°28.1'	310°35.9'	S 4°15.8'	240°58.7'	S 21°56.6'	35°12.1'	N 23°20.9'
16	105°18.9'	N 16°28.8'	325°38.2'	S 4°15.9'	256°01.3'	S 21°56.6'	50°12.8'	N 23°20.7'
17	120°18.6'	N 16°29.4'	340°40.5'	S 4°15.9'	271°04.0'	S 21°56.6'	65°13.5'	N 23°20.5'
18	135°18.4'	N 16°30.1'	355°42.9'	S 4°16.0'	286°06.6'	S 21°56.6'	80°14.2'	N 23°20.3'
19	150°18.1'	N 16°30.8'	10°45.2'	S 4°16.1'	301°09.3'	S 21°56.6'	95°14.9'	N 23°20.1'
20	165°17.8'	N 16°31.4'	25°47.5'	S 4°16.1'	316°11.9'	S 21°56.6'	110°15.6'	N 23°19.9'
21	180°17.5'	N 16°32.1'	40°49.8'	S 4°16.2'	331°14.6'	S 21°56.6'	125°16.3'	N 23°19.7'
22	195°17.3'	N 16°32.8'	55°52.2'	S 4°16.3'	346°17.2'	S 21°56.6'	140°17.0'	N 23°19.5'
23	210°17.0'	N 16°33.5'	70°54.5'	S 4°16.3'	1°19.9'	S 21°56.6'	155°17.7'	N 23°19.3'