

2001 May 29 Tuesday

UT	<i>Sun</i>				<i>Venus</i>				<i>Moon</i> <small>a = 0.25</small>				UT
	GHA	ddGHA	Dec	dDec	GHA	ddGHA	Dec	dDec	GHA	ddGHA	Dec	dDec	
00	180 40.3	+00.0	N 21 35.6	+00.4	225 14.5	+00.4	N 6 55.8	+00.6	97 27.6	-33.1	N 16 44.1	-10.2	00
01	195 40.3	-00.1	N 21 36.0	+00.4	240 14.9	+00.3	N 6 56.4	+00.6	111 54.5	-33.0	N 16 33.9	-10.3	01
02	210 40.2	-00.1	N 21 36.4	+00.4	255 15.2	+00.4	N 6 57.0	+00.7	126 21.5	-33.0	N 16 23.6	-10.4	02
03	225 40.1	-00.1	N 21 36.8	+00.3	270 15.6	+00.3	N 6 57.7	+00.6	140 48.5	-32.9	N 16 13.2	-10.5	03
04	240 40.0	-00.1	N 21 37.1	+00.4	285 15.9	+00.4	N 6 58.3	+00.7	155 15.6	-32.8	N 16 02.7	-10.6	04
05	255 39.9	+00.0	N 21 37.5	+00.4	300 16.3	+00.3	N 6 59.0	+00.6	169 42.8	-32.7	N 15 52.1	-10.7	05
06	270 39.9	-00.1	N 21 37.9	+00.4	315 16.6	+00.4	N 6 59.6	+00.6	184 10.1	-32.7	N 15 41.4	-10.7	06
07	285 39.8	-00.1	N 21 38.3	+00.4	330 17.0	+00.3	N 7 00.2	+00.7	198 37.4	-32.6	N 15 30.7	-10.9	07
08	300 39.7	-00.1	N 21 38.7	+00.4	345 17.3	+00.4	N 7 00.9	+00.6	213 04.8	-32.5	N 15 19.8	-10.9	08
09	315 39.6	-00.1	N 21 39.1	+00.4	0 17.7	+00.3	N 7 01.5	+00.7	227 32.3	-32.5	N 15 08.9	-11.0	09
10	330 39.5	-00.1	N 21 39.5	+00.3	15 18.0	+00.3	N 7 02.2	+00.6	241 59.8	-32.4	N 14 57.9	-11.1	10
11	345 39.4	+00.0	N 21 39.8	+00.4	30 18.3	+00.4	N 7 02.8	+00.7	256 27.4	-32.3	N 14 46.8	-11.2	11
12	0 39.4	-00.1	N 21 40.2	+00.4	45 18.7	+00.3	N 7 03.5	+00.6	270 55.1	-32.2	N 14 35.6	-11.3	12
13	15 39.3	-00.1	N 21 40.6	+00.4	60 19.0	+00.4	N 7 04.1	+00.7	285 22.9	-32.2	N 14 24.3	-11.3	13
14	30 39.2	-00.1	N 21 41.0	+00.4	75 19.4	+00.3	N 7 04.8	+00.6	299 50.7	-32.1	N 14 13.0	-11.5	14
15	45 39.1	-00.1	N 21 41.4	+00.3	90 19.7	+00.4	N 7 05.4	+00.7	314 18.6	-32.0	N 14 01.5	-11.5	15
16	60 39.0	-00.1	N 21 41.7	+00.4	105 20.1	+00.3	N 7 06.1	+00.6	328 46.6	-31.9	N 13 50.0	-11.6	16
17	75 38.9	+00.0	N 21 42.1	+00.4	120 20.4	+00.3	N 7 06.7	+00.7	343 14.7	-31.9	N 13 38.4	-11.6	17
18	90 38.9	-00.1	N 21 42.5	+00.4	135 20.7	+00.4	N 7 07.4	+00.6	357 42.8	-31.8	N 13 26.8	-11.8	18
19	105 38.8	-00.1	N 21 42.9	+00.4	150 21.1	+00.3	N 7 08.0	+00.7	12 11.0	-31.8	N 13 15.0	-11.8	19
20	120 38.7	-00.1	N 21 43.3	+00.3	165 21.4	+00.3	N 7 08.7	+00.6	26 39.2	-31.7	N 13 03.2	-11.8	20
21	135 38.6	-00.1	N 21 43.6	+00.4	180 21.7	+00.4	N 7 09.3	+00.7	41 07.5	-31.6	N 12 51.4	-12.0	21
22	150 38.5	-00.1	N 21 44.0	+00.4	195 22.1	+00.3	N 7 10.0	+00.6	55 35.9	-31.6	N 12 39.4	-12.0	22
23	165 38.4	-00.1	N 21 44.4	+00.4	210 22.4	+00.3	N 7 10.6	+00.7	70 04.3	-31.4	N 12 27.4	-12.1	23
UT 02 06 10 14 18 22				UT 02 06 10 14 18 22				UT 02 06 10 14 18 22					
SD 15'8 15'8 15'8 15'8 15'8 15'8				SD 00'2 00'2 00'2 00'2 00'2 00'2				SD 16'2 16'2 16'2 16'1 16'1 16'1					
HP 00'1 00'1 00'1 00'1 00'1 00'1				HP 00'2 00'2 00'2 00'2 00'2 00'2				HP 59'4 59'4 59'3 59'3 59'2 59'2					
Greenwich Culmination Time: 11:57				Greenwich Culmination Time: 08:59				Greenwich Culmination Time: 18:09					
UT	<i>Mars</i>				<i>Jupiter</i>				<i>Saturn</i>				UT
	GHA	ddGHA	Dec	dDec	GHA	ddGHA	Dec	dDec	GHA	ddGHA	Dec	dDec	
00	339 44.0	+03.1	S 25 42.7	+00.1	167 45.0	+01.8	N 22 41.7	+00.1	183 24.1	+02.1	N 19 25.9	+00.1	00
01	354 47.1	+03.0	S 25 42.8	+00.2	182 46.8	+01.9	N 22 41.8	+00.0	198 26.2	+02.2	N 19 26.0	+00.1	01
02	9 50.1	+03.1	S 25 43.0	+00.1	197 48.7	+01.8	N 22 41.8	+00.1	213 28.4	+02.1	N 19 26.1	+00.0	02
03	24 53.2	+03.0	S 25 43.1	+00.2	212 50.5	+01.9	N 22 41.9	+00.0	228 30.5	+02.1	N 19 26.1	+00.1	03
04	39 56.2	+03.1	S 25 43.3	+00.1	227 52.4	+01.8	N 22 41.9	+00.1	243 32.6	+02.1	N 19 26.2	+00.0	04
05	54 59.3	+03.1	S 25 43.4	+00.1	242 54.2	+01.8	N 22 42.0	+00.0	258 34.7	+02.2	N 19 26.2	+00.1	05
06	70 02.4	+03.0	S 25 43.5	+00.2	257 56.0	+01.9	N 22 42.0	+00.1	273 36.9	+02.1	N 19 26.3	+00.1	06
07	85 05.4	+03.1	S 25 43.7	+00.1	272 57.9	+01.8	N 22 42.1	+00.0	288 39.0	+02.1	N 19 26.4	+00.0	07
08	100 08.5	+03.1	S 25 43.8	+00.2	287 59.7	+01.9	N 22 42.1	+00.1	303 41.1	+02.1	N 19 26.4	+00.1	08
09	115 11.6	+03.1	S 25 44.0	+00.1	303 01.6	+01.8	N 22 42.2	+00.0	318 43.2	+02.2	N 19 26.5	+00.0	09
10	130 14.7	+03.0	S 25 44.1	+00.2	318 03.4	+01.9	N 22 42.2	+00.1	333 45.4	+02.1	N 19 26.5	+00.1	10
11	145 17.7	+03.1	S 25 44.3	+00.1	333 05.3	+01.8	N 22 42.3	+00.0	348 47.5	+02.1	N 19 26.6	+00.1	11
12	160 20.8	+03.1	S 25 44.4	+00.2	348 07.1	+01.9	N 22 42.3	+00.1	3 49.6	+02.1	N 19 26.7	+00.0	12
13	175 23.9	+03.1	S 25 44.6	+00.1	3 09.0	+01.8	N 22 42.4	+00.0	18 51.7	+02.2	N 19 26.7	+00.1	13
14	190 27.0	+03.0	S 25 44.7	+00.2	18 10.8	+01.9	N 22 42.4	+00.0	33 53.9	+02.1	N 19 26.8	+00.0	14
15	205 30.0	+03.1	S 25 44.9	+00.1	33 12.7	+01.8	N 22 42.4	+00.1	48 56.0	+02.1	N 19 26.8	+00.1	15
16	220 33.1	+03.1	S 25 45.0	+00.2	48 14.5	+01.9	N 22 42.5	+00.0	63 58.1	+02.2	N 19 26.9	+00.1	16
17	235 36.2	+03.1	S 25 45.2	+00.1	63 16.4	+01.8	N 22 42.5	+00.1	79 00.3	+02.1	N 19 27.0	+00.0	17
18	250 39.3	+03.1	S 25 45.3	+00.2	78 18.2	+01.8	N 22 42.6	+00.0	94 02.4	+02.1	N 19 27.0	+00.1	18
19	265 42.4	+03.0	S 25 45.5	+00.1	93 20.0	+01.9	N 22 42.6	+00.1	109 04.5	+02.1	N 19 27.1	+00.0	19
20	280 45.4	+03.1	S 25 45.6	+00.2	108 21.9	+01.8	N 22 42.7	+00.0	124 06.6	+02.2	N 19 27.1	+00.1	20
21	295 48.5	+03.1	S 25 45.8	+00.1	123 23.7	+01.9	N 22 42.7	+00.1	139 08.8	+02.1	N 19 27.2	+00.1	21
22	310 51.6	+03.1	S 25 45.9	+00.1	138 25.6	+01.8	N 22 42.8	+00.0	154 10.9	+02.1	N 19 27.3	+00.0	22
23	325 54.7	+03.1	S 25 46.0	+00.2	153 27.4	+01.9	N 22 42.8	+00.1	169 13.0	+02.1	N 19 27.3	+00.1	23
UT 02 06 10 14 18 22				UT 02 06 10 14 18 22				UT 02 06 10 14 18 22					
SD 00'2 00'2 00'2 00'2 00'2 00'2				SD 00'3 00'3 00'3 00'3 00'3 00'3				SD 00'1 00'1 00'1 00'1 00'1 00'1					
HP 00'3 00'3 00'3 00'3 00'3 00'3				HP 00'0 00'0 00'0 00'0 00'0 00'0				HP 00'0 00'0 00'0 00'0 00'0 00'0					
Greenwich Culmination Time: 01:21				Greenwich Culmination Time: 12:47				Greenwich Culmination Time: 11:45					

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