

Lunar Eclipse dates

	Jul-01	Dec-13	Jan-04	Aug-10	Jul-11	Jan-16	Aug-20	Feb-25
	1500	1500	1500	1500	1500	1500	1500	1500
BC	1322	1322	1322	1323	1323	1323	1324	1324
	178	178	178	177	177	177	176	176
	65014.5	65014.5	65014.5	64649.25	64649.25	64649.25	64284	64284
	65014	65014	65014	64649	64649	64649	64284	64284
	1083.567	1083.567	1083.567	1077.483	1077.483	1077.483	1071.4	1071.4
	0.567	0.567	0.567	0.483	0.483	0.483	0.4	0.4
	34.02	34.02	34.02	28.98	28.98	28.98	24	24
	29	29	29	29	29	29	29	29
	28	28	28	28	28	28	28	28
	31	31	31	31	31	31	31	31
	30	30	30	30	30	30	30	30
	31	31	31	31	31	31	31	31
	30	30	30	30	30	30	30	30
	31	31	31	31	31	31	31	31
	31	31	31	31	31	31	31	31
	30	30	30	30	30	30	30	30
	31	31	31	31	31	31	31	31
	30	30	30	30	30	30	30	30
	31	31	31	31	31	31	31	31
j	63.02	63.02	63.02	57.98	57.98	57.98	53	53
f	91.02	91.02	91.02	85.98	85.98	85.98	81	81
m	122.02	122.02	122.02	116.98	116.98	116.98	112	112
a	152.02	152.02	152.02	146.98	146.98	146.98	142	142
m	183.02	183.02	183.02	177.98	177.98	177.98	173	173
j	213.02	213.02	213.02	207.98	207.98	207.98	203	203
j	244.02	244.02	244.02	238.98	238.98	238.98	234	234
a	275.02	275.02	275.02	269.98	269.98	269.98	265	265
s	305.02	305.02	305.02	299.98	299.98	299.98	295	295
o	336.02	336.02	336.02	330.98	330.98	330.98	326	326
n	366.02	366.02	366.02	360.98	360.98	360.98	356	356
d	397.02	397.02	397.02	391.98	391.98	391.98	387	387
	213.02	366.02	34.02	238.98	207.98	28.98	234	53
	1	25	4	10	11	16	20	25
	214.02	391.02	38.02	8.98	218.98	14	254	78
	180	360			180	0	240	60
	34.02	31.02	38.02	8.98	38.98	14	14	18

Nov-27	May-27	Nov-27	May-27	Dec-27	Jul-27	Jan-27	Jul-27	Jan-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1329	1329	1330	1330	1331	1331	1331	1332	1332
171	171	170	170	169	169	169	168	168
62457.75	62457.75	62092.5	62092.5	61727.25	61727.25	61727.25	61362	61362
62457	62457	62092	62092	61727	61727	61727	61362	61362
1040.95	1040.95	1034.867	1034.867	1028.783	1028.783	1028.783	1022.7	1022.7
0.95	0.95	0.867	0.867	0.783	0.783	0.783	0.7	0.7
57	57	52.02	52.02	46.98	46.98	46.98	42	42
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
86	86	81.02	81.02	75.98	75.98	75.98	71	71
114	114	109.02	109.02	103.98	103.98	103.98	99	99
145	145	140.02	140.02	134.98	134.98	134.98	130	130
175	175	170.02	170.02	164.98	164.98	164.98	160	160
206	206	201.02	201.02	195.98	195.98	195.98	191	191
236	236	231.02	231.02	225.98	225.98	225.98	221	221
267	267	262.02	262.02	256.98	256.98	256.98	252	252
298	298	293.02	293.02	287.98	287.98	287.98	283	283
328	328	323.02	323.02	317.98	317.98	317.98	313	313
359	359	354.02	354.02	348.98	348.98	348.98	344	344
389	389	384.02	384.02	378.98	378.98	378.98	374	374
420	420	415.02	415.02	409.98	409.98	409.98	405	405
359	175	354.02	170.02	378.98	225.98	46.98	221	42
12	19	24	31	4	10	14	20	25
371	194	378.02	201.02	382.98	235.98	60.98	241	67
360	180	360	180	360	180	60	240	60
11	14	18.02	21.02	22.98	55.98	0.98	1	7
			20	22	56			
					56			

Jul-27	Feb-27	Sep-27	Aug-27	Mar-27	Feb-27	Sep-27	Mar-27	Oct-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1332	1333	1334	1334	1334	1334	1335	1335	1336
168	167	166	166	166	166	165	165	164
61362	60996.75	60631.5	60631.5	60631.5	60631.5	60266.25	60266.25	59901
61362	60996	60631	60631	60631	60631	60266	60266	59901
1022.7	1016.6	1010.517	1010.517	1010.517	1010.517	1004.433	1004.433	998.35
0.7	0.6	0.517	0.517	0.517	0.517	0.433	0.433	0.35
42	36	31.02	31.02	31.02	31.02	25.98	25.98	21
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
71	65	60.02	60.02	60.02	60.02	54.98	54.98	50
99	93	88.02	88.02	88.02	88.02	82.98	82.98	78
130	124	119.02	119.02	119.02	119.02	113.98	113.98	109
160	154	149.02	149.02	149.02	149.02	143.98	143.98	139
191	185	180.02	180.02	180.02	180.02	174.98	174.98	170
221	215	210.02	210.02	210.02	210.02	204.98	204.98	200
252	246	241.02	241.02	241.02	241.02	235.98	235.98	231
283	277	272.02	272.02	272.02	272.02	266.98	266.98	262
313	307	302.02	302.02	302.02	302.02	296.98	296.98	292
344	338	333.02	333.02	333.02	333.02	327.98	327.98	323
374	368	363.02	363.02	363.02	363.02	357.98	357.98	353
405	399	394.02	394.02	394.02	394.02	388.98	388.98	384
221	65	272.02	241.02	88.02	60.02	266.98	82.98	292
31	6	10	11	17	16	21	28	2
252	71	282.02	252.02	105.02	76.02	287.98	110.98	294
240	60	240	240	60	60	240	60	240
12	11	42.02	12.02	45.02	16.02	47.98	50.98	54
								55

barely poss
night 55 ecl
12th month
October

Apr-27	Oct-27	Apr-27	Nov-27	Oct-27	May-27	Apr-27	Dec-27	Jun-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1336	1337	1337	1338	1338	1338	1338	1339	1339
164	163	163	162	162	162	162	161	161
59901	59535.75	59535.75	59170.5	59170.5	59170.5	59170.5	58805.25	58805.25
59901	59535	59535	59170	59170	59170	59170	58805	58805
998.35	992.25	992.25	986.1667	986.1667	986.1667	986.1667	980.0833	980.0833
0.35	0.25	0.25	0.166	0.166	0.166	0.166	0.0833	0.0833
21	15	15	9.96	9.96	9.96	9.96	4.998	4.998
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
50	44	44	38.96	38.96	38.96	38.96	33.998	33.998
78	72	72	66.96	66.96	66.96	66.96	61.998	61.998
109	103	103	97.96	97.96	97.96	97.96	92.998	92.998
139	133	133	127.96	127.96	127.96	127.96	122.998	122.998
170	164	164	158.96	158.96	158.96	158.96	153.998	153.998
200	194	194	188.96	188.96	188.96	188.96	183.998	183.998
231	225	225	219.96	219.96	219.96	219.96	214.998	214.998
262	256	256	250.96	250.96	250.96	250.96	245.998	245.998
292	286	286	280.96	280.96	280.96	280.96	275.998	275.998
323	317	317	311.96	311.96	311.96	311.96	306.998	306.998
353	347	347	341.96	341.96	341.96	341.96	336.998	336.998
384	378	378	372.96	372.96	372.96	372.96	367.998	367.998
109	286	103	311.96	280.96	127.96	97.96	336.998	153.998
7	12	18	22	24	29	30	3	9
116	298	121	333.96	304.96	156.96	127.96	339.998	162.998
60	240	120	300	300	120	120	300	120
56	58	1	33.96	4.96	36.96	7.96	39.998	42.998
56		0			36			
56								

ible
lipse
1

Wuding ->

Dec-27	Jun-27	Dec-27	Jul-27	Jun-27	Jan-27	Aug-27	Feb-27	Aug-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1340	1340	1341	1341	1341	1341	1341	1342	1343
160	160	159	159	159	159	159	158	157
58440	58440	58074.75	58074.75	58074.75	58074.75	58074.75	57709.5	57344.25
58440	58440	58074	58074	58074	58074	58074	57709	57344
974	974	967.9	967.9	967.9	967.9	967.9	961.8167	955.7333
1	1	0.9	0.9	0.9	0.9	0.9	0.8167	0.7333
60	60	54	54	54	54	54	49.002	43.998
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
89	89	83	83	83	83	83	78.002	72.998
117	117	111	111	111	111	111	106.002	100.998
148	148	142	142	142	142	142	137.002	131.998
178	178	172	172	172	172	172	167.002	161.998
209	209	203	203	203	203	203	198.002	192.998
239	239	233	233	233	233	233	228.002	222.998
270	270	264	264	264	264	264	259.002	253.998
301	301	295	295	295	295	295	290.002	284.998
331	331	325	325	325	325	325	320.002	314.998
362	362	356	356	356	356	356	351.002	345.998
392	392	386	386	386	386	386	381.002	375.998
423	423	417	417	417	417	417	412.002	406.998
392	209	386	233	203	54	264	78.002	253.998
13	20	24	29	30	5	10	15	20
405	229	410	262	233	59	274	93.002	273.998
360	180	360	240	180	0	240	60	240
45	49	50	22	53	59	34	33.002	33.998
			22			0		
			22					
			22					

Feb-27	Aug-27	Mar-27	Sep-27	Apr-27	Mar-27	Oct-27	Apr-27	Nov-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1343	1344	1344	1345	1345	1345	1346	1346	1347
157	156	156	155	155	155	154	154	153
57344.25	56979	56979	56613.75	56613.75	56613.75	56248.5	56248.5	55883.25
57344	56979	56979	56613	56613	56613	56248	56248	55883
955.7333	949.65	949.65	943.55	943.55	943.55	937.4667	937.4667	931.3833
0.7333	0.65	0.65	0.55	0.55	0.55	0.4667	0.4667	0.3833
43.998	39	39	33	33	33	28.002	28.002	22.998
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
72.998	68	68	62	62	62	57.002	57.002	51.998
100.998	96	96	90	90	90	85.002	85.002	79.998
131.998	127	127	121	121	121	116.002	116.002	110.998
161.998	157	157	151	151	151	146.002	146.002	140.998
192.998	188	188	182	182	182	177.002	177.002	171.998
222.998	218	218	212	212	212	207.002	207.002	201.998
253.998	249	249	243	243	243	238.002	238.002	232.998
284.998	280	280	274	274	274	269.002	269.002	263.998
314.998	310	310	304	304	304	299.002	299.002	293.998
345.998	341	341	335	335	335	330.002	330.002	324.998
375.998	371	371	365	365	365	360.002	360.002	354.998
406.998	402	402	396	396	396	391.002	391.002	385.998
72.998	249	96	274	121	90	299.002	116.002	324.998
25	31	7	11	16	18	23	28	2
97.998	280	103	285	137	108	322.002	144.002	326.998
60	240	60	240	120	60	300	120	300
37.998	40	43	45	17	48	22.002	24.002	26.998
0						22		
						22		
						22		
						22		

May-27	Nov-27	May-27	Nov-27	Jun-27	Jan-27	Jul-27	Jan-27	Jul-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1347	1348	1348	1349	1349	1349	1350	1350	1351
153	152	152	151	151	151	150	150	149
55883.25	55518	55518	55152.75	55152.75	55152.75	54787.5	54787.5	54422.25
55883	55518	55518	55152	55152	55152	54787	54787	54422
931.3833	925.3	925.3	919.2	919.2	919.2	913.1167	913.1167	907.0333
0.3833	0.3	0.3	0.2	0.2	0.2	0.1167	0.1167	0.0333
22.998	18	18	12	12	12	7.002	7.002	1.998
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
51.998	47	47	41	41	41	36.002	36.002	30.998
79.998	75	75	69	69	69	64.002	64.002	58.998
110.998	106	106	100	100	100	95.002	95.002	89.998
140.998	136	136	130	130	130	125.002	125.002	119.998
171.998	167	167	161	161	161	156.002	156.002	150.998
201.998	197	197	191	191	191	186.002	186.002	180.998
232.998	228	228	222	222	222	217.002	217.002	211.998
263.998	259	259	253	253	253	248.002	248.002	242.998
293.998	289	289	283	283	283	278.002	278.002	272.998
324.998	320	320	314	314	314	309.002	309.002	303.998
354.998	350	350	344	344	344	339.002	339.002	333.998
385.998	381	381	375	375	375	370.002	370.002	364.998
140.998	320	136	314	161	12	186.002	7.002	180.998
9	12	20	23	29	3	10	14	20
149.998	332	156	337	190	15	196.002	21.002	200.998
120	300	120	300	180	0	180	0	180
29.998	32	36	37	10	15	16.002	21.002	20.998
		36	36	9			20	20
		36						
		36						

may not be visible
day 20 followed by day 36

Jan-27	Aug-27	Jul-27	Mar-27	Feb-27	Sep-27	Mar-27	Sep-27	Mar-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1351	1352	1352	1352	1352	1353	1353	1354	1354
149	148	148	148	148	147	147	146	146
54422.25	54057	54057	54057	54057	53691.75	53691.75	53326.5	53326.5
54422	54057	54057	54057	54057	53691	53691	53326	53326
907.0333	900.95	900.95	900.95	900.95	894.85	894.85	888.7667	888.7667
0.0333	0.95	0.95	0.95	0.95	0.85	0.85	0.7667	0.7667
1.998	57	57	57	57	51	51	46.002	46.002

29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31

30.998	86	86	86	86	80	80	75.002	75.002
58.998	114	114	114	114	108	108	103.002	103.002
89.998	145	145	145	145	139	139	134.002	134.002
119.998	175	175	175	175	169	169	164.002	164.002
150.998	206	206	206	206	200	200	195.002	195.002
180.998	236	236	236	236	230	230	225.002	225.002
211.998	267	267	267	267	261	261	256.002	256.002
242.998	298	298	298	298	292	292	287.002	287.002
272.998	328	328	328	328	322	322	317.002	317.002
303.998	359	359	359	359	353	353	348.002	348.002
333.998	389	389	389	389	383	383	378.002	378.002
364.998	420	420	420	420	414	414	409.002	409.002

1.998	267	236	114	86	292	108	287.002	103.002
25	29	31	6	5	9	16	21	28
26.998	296	267	120	91	301	124	308.002	131.002
0	240	240	60	60	300	120	300	120
26.998	56	27	60	31	1	4	8.002	11.002
	56						9	
	56						night of day 8 is day 9 possible	
	56							
	56							

correct

Oct-27	Apr-27	Nov-27	Oct-27	May-27	Apr-27	Nov-27	May-27	Dec-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1355	1355	1356	1356	1356	1356	1357	1357	1358
145	145	144	144	144	144	143	143	142
52961.25	52961.25	52596	52596	52596	52596	52230.75	52230.75	51865.5
52961	52961	52596	52596	52596	52596	52230	52230	51865
882.6833	882.6833	876.6	876.6	876.6	876.6	870.5	870.5	864.4167
0.6883	0.6883	0.6	0.6	0.6	0.6	0.5	0.5	0.4167
41.298	41.298	36	36	36	36	30	30	25.002
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
70.298	70.298	65	65	65	65	59	59	54.002
98.298	98.298	93	93	93	93	87	87	82.002
129.298	129.298	124	124	124	124	118	118	113.002
159.298	159.298	154	154	154	154	148	148	143.002
190.298	190.298	185	185	185	185	179	179	174.002
220.298	220.298	215	215	215	215	209	209	204.002
251.298	251.298	246	246	246	246	240	240	235.002
282.298	282.298	277	277	277	277	271	271	266.002
312.298	312.298	307	307	307	307	301	301	296.002
343.298	343.298	338	338	338	338	332	332	327.002
373.298	373.298	368	368	368	368	362	362	357.002
404.298	404.298	399	399	399	399	393	393	388.002
312.298	129.298	338	307	154	124	332	148	357.002
2	8	11	13	18	18	21	29	3
314.298	137.298	349	320	172	142	353	177	360.002
300	120	300	300	120	120	300	120	360
14.298	17.298	49	20	52	22	53	57	0.002
			20		22		0	
			20		22			
			solar eclipse day 36?		22			
			10/27/1356		22			
			34					
			20					

Jun-27	Dec-27	Jul-27	Jun-27	Dec-27	Jul-27	Feb-27	Aug-27	Feb-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1358	1359	1359	1359	1360	1360	1360	1361	1361
142	141	141	141	140	140	140	139	139
51865.5	51500.25	51500.25	51500.25	51135	51135	51135	50769.75	50769.75
51865	51500	51500	51500	51135	51135	51135	50769	50769
864.4167	858.3333	858.3333	858.3333	852.25	852.25	852.25	846.15	846.15
0.4167	0.333	0.333	0.333	0.25	0.25	0.25	0.15	0.15
25.002	19.98	19.98	19.98	15	15	15	9	9
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
54.002	48.98	48.98	48.98	44	44	44	38	38
82.002	76.98	76.98	76.98	72	72	72	66	66
113.002	107.98	107.98	107.98	103	103	103	97	97
143.002	137.98	137.98	137.98	133	133	133	127	127
174.002	168.98	168.98	168.98	164	164	164	158	158
204.002	198.98	198.98	198.98	194	194	194	188	188
235.002	229.98	229.98	229.98	225	225	225	219	219
266.002	260.98	260.98	260.98	256	256	256	250	250
296.002	290.98	290.98	290.98	286	286	286	280	280
327.002	321.98	321.98	321.98	317	317	317	311	311
357.002	351.98	351.98	351.98	347	347	347	341	341
388.002	382.98	382.98	382.98	378	378	378	372	372
174.002	351.98	198.98	168.98	347	194	44	219	38
9	14	19	20	25	29	3	9	15
183.002	365.98	217.98	188.98	372	223	47	228	53
180	360	180	180	360	180	0	180	0
3.002	5.98	37.98	8.98	12	43	47	48	53
		38	9					
			9					
			9					

barely visible
eclipse

Aug-27	Feb-27	Sep-27	Apr-27	Mar-27	Oct-27	Apr-27	Oct-27	Apr-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1362	1362	1363	1363	1363	1364	1364	1365	1365
138	138	137	137	137	136	136	135	135
50404.5	50404.5	50039.25	50039.25	50039.25	49674	49674	49308.75	49308.75
50404	50404	50039	50039	50039	49674	49674	49308	49308
840.0667	840.0667	833.9833	833.9833	833.9833	827.9	827.9	821.8	821.8
0.0667	0.0667	0.9833	0.9833	0.9833	0.9	0.9	0.8	0.8
4.002	4.002	58.998	58.998	58.998	54	54	48	48
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
33.002	33.002	87.998	87.998	87.998	83	83	77	77
61.002	61.002	115.998	115.998	115.998	111	111	105	105
92.002	92.002	146.998	146.998	146.998	142	142	136	136
122.002	122.002	176.998	176.998	176.998	172	172	166	166
153.002	153.002	207.998	207.998	207.998	203	203	197	197
183.002	183.002	237.998	237.998	237.998	233	233	227	227
214.002	214.002	268.998	268.998	268.998	264	264	258	258
245.002	245.002	299.998	299.998	299.998	295	295	289	289
275.002	275.002	329.998	329.998	329.998	325	325	319	319
306.002	306.002	360.998	360.998	360.998	356	356	350	350
336.002	336.002	390.998	390.998	390.998	386	386	380	380
367.002	367.002	421.998	421.998	421.998	417	417	411	411
214.002	33.002	299.998	146.998	115.998	325	142	319	136
21	25	1	6	7	11	17	22	28
235.002	58.002	300.998	152.998	122.998	336	159	341	164
180	0	300	120	120	300	120	300	120
55.002	58.002	0.998	32.998	2.998	36	39	41	44
55					36			
55					36			
55					36			
0					36			

not visible?

Could NASA dates be 2 hours wrong?

In August as recorded

Is this for day 55 eclipse?

barely visible

with day 20?

Nov-27	May-27	Nov-27	Jun-27	May-27	Dec-27	Jun-27	Jan-27	Jul-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1366	1366	1367	1367	1367	1368	1368	1368	1369
134	134	133	133	133	132	132	132	131
48943.5	48943.5	48578.25	48578.25	48578.25	48213	48213	48213	47847.75
48943	48943	48578	48578	48578	48213	48213	48213	47847
815.7167	815.7167	809.6333	809.6333	809.6333	803.55	803.55	803.55	797.45
0.7167	0.7167	0.6333	0.6333	0.6333	0.55	0.55	0.55	0.45
43.002	43.002	37.998	37.998	37.998	33	33	33	27

29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31

72.002	72.002	66.998	66.998	66.998	62	62	62	56
100.002	100.002	94.998	94.998	94.998	90	90	90	84
131.002	131.002	125.998	125.998	125.998	121	121	121	115
161.002	161.002	155.998	155.998	155.998	151	151	151	145
192.002	192.002	186.998	186.998	186.998	182	182	182	176
222.002	222.002	216.998	216.998	216.998	212	212	212	206
253.002	253.002	247.998	247.998	247.998	243	243	243	237
284.002	284.002	278.998	278.998	278.998	274	274	274	268
314.002	314.002	308.998	308.998	308.998	304	304	304	298
345.002	345.002	339.998	339.998	339.998	335	335	335	329
375.002	375.002	369.998	369.998	369.998	365	365	365	359
406.002	406.002	400.998	400.998	400.998	396	396	396	390

345.002	161.002	339.998	186.998	155.998	365	182	33	206
2	9	12	18	20	23	29	3	9
347.002	170.002	351.998	204.998	175.998	388	211	36	215
300	120	300	180	120	360	180	0	180
47.002	50.002	51.998	24.998	55.998	28	31	36	35
	50	52		56		31	36	35

next day		eclipse	yun/chi?	eclipse	not visible
51 eclipse				with day 20?	
counted	visible	not august	barely visible		
after		cannot be 12th	eclipse day 31		
eclipse?	Chih	month.			
	to blaze?				
	lunar eclipse ?		lunar eclipse?		

Jan-27	Jul-27	Feb-27	Jan-27	Aug-27	Mar-27	Sep-27	Mar-27	Sep-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1369	1370	1370	1370	1371	1371	1372	1372	1373
131	130	130	130	129	129	128	128	127
47847.75	47482.5	47482.5	47482.5	47117.25	47117.25	46752	46752	46386.75
47847	47482	47482	47482	47117	47117	46752	46752	46386
797.45	791.3667	791.3667	791.3667	785.2833	785.2833	779.2	779.2	773.1
0.45	0.3667	0.3667	0.3667	0.2833	0.2833	0.2	0.2	0.1
27	22.002	22.002	22.002	16.998	16.998	12	12	6
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
56	51.002	51.002	51.002	45.998	45.998	41	41	35
84	79.002	79.002	79.002	73.998	73.998	69	69	63
115	110.002	110.002	110.002	104.998	104.998	100	100	94
145	140.002	140.002	140.002	134.998	134.998	130	130	124
176	171.002	171.002	171.002	165.998	165.998	161	161	155
206	201.002	201.002	201.002	195.998	195.998	191	191	185
237	232.002	232.002	232.002	226.998	226.998	222	222	216
268	263.002	263.002	263.002	257.998	257.998	253	253	247
298	293.002	293.002	293.002	287.998	287.998	283	283	277
329	324.002	324.002	324.002	318.998	318.998	314	314	308
359	354.002	354.002	354.002	348.998	348.998	344	344	338
390	385.002	385.002	385.002	379.998	379.998	375	375	369
27	201.002	51.002	22.002	226.998	73.998	253	69	247
15	27	24	25	30	6	10	16	21
42	228.002	75.002	47.002	256.998	79.998	263	85	268
0	180	60	0	240	60	240	60	240
42	48.002	15.002	47.002	16.998	19.998	23	25	28
0				0			0	

Mar-27	Nov-27	Oct-27	May-27	Apr-27	Nov-27	May-27	Nov-27	May-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1373	1374	1374	1374	1374	1375	1375	1376	1376
127	126	126	126	126	125	125	124	124
46386.75	46021.5	46021.5	46021.5	46021.5	45656.25	45656.25	45291	45291
46386	46021	46021	46021	46021	45656	45656	45291	45291
773.1	767.0167	767.0167	767.0167	767.0167	760.9333	760.9333	754.85	754.85
0.1	0.0167	0.0167	0.0167	0.0167	0.9333	0.933	0.85	0.85
6	1.002	1.002	1.002	1.002	55.998	55.98	51	51
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
35	30.002	30.002	30.002	30.002	84.998	84.98	80	80
63	58.002	58.002	58.002	58.002	112.998	112.98	108	108
94	89.002	89.002	89.002	89.002	143.998	143.98	139	139
124	119.002	119.002	119.002	119.002	173.998	173.98	169	169
155	150.002	150.002	150.002	150.002	204.998	204.98	200	200
185	180.002	180.002	180.002	180.002	234.998	234.98	230	230
216	211.002	211.002	211.002	211.002	265.998	265.98	261	261
247	242.002	242.002	242.002	242.002	296.998	296.98	292	292
277	272.002	272.002	272.002	272.002	326.998	326.98	322	322
308	303.002	303.002	303.002	303.002	357.998	357.98	353	353
338	333.002	333.002	333.002	333.002	387.998	387.98	383	383
369	364.002	364.002	364.002	364.002	418.998	418.98	414	414
63	303.002	272.002	119.002	89.002	357.998	173.98	353	169
27	1	2	8	8	11	19	22	29
90	304.002	274.002	127.002	97.002	368.998	192.98	375	198
60	300	240	120	60	360	180	360	180
30	4.002	34.002	7.002	37.002	8.998	12.98	15	18

Dec-27	Jun-27	Dec-27	Jul-27	Jan-27	Jul-27	Feb-27	Aug-27	Feb-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1377	1377	1378	1378	1378	1379	1379	1380	1380
123	123	122	122	122	121	121	120	120
44925.75	44925.75	44560.5	44560.5	44560.5	44195.25	44195.25	43830	43830
44925	44925	44560	44560	44560	44195	44195	43830	43830
748.75	748.75	742.6667	742.6667	742.6667	736.5833	736.5833	730.5	730.5
0.75	0.75	0.6667	0.667	0.667	0.5833	0.5833	0.5	0.5
45	45	40.002	40.02	40.02	34.998	34.998	30	30
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
74	74	69.002	69.02	69.02	63.998	63.998	59	59
102	102	97.002	97.02	97.02	91.998	91.998	87	87
133	133	128.002	128.02	128.02	122.998	122.998	118	118
163	163	158.002	158.02	158.02	152.998	152.998	148	148
194	194	189.002	189.02	189.02	183.998	183.998	179	179
224	224	219.002	219.02	219.02	213.998	213.998	209	209
255	255	250.002	250.02	250.02	244.998	244.998	240	240
286	286	281.002	281.02	281.02	275.998	275.998	271	271
316	316	311.002	311.02	311.02	305.998	305.998	301	301
347	347	342.002	342.02	342.02	336.998	336.998	332	332
377	377	372.002	372.02	372.02	366.998	366.998	362	362
408	408	403.002	403.02	403.02	397.998	397.998	393	393
377	194	372.002	219.02	40.02	213.998	63.998	240	59
3	8	15	19	24	27	3	10	14
380	202	387.002	238.02	64.02	240.998	66.998	250	73
360	180	360	180	60	240	60	240	60
20	22	27.002	58.02	4.02	0.998	6.998	10	13
20	22							

eclipse
20 barely visible

what
about day 36?

Aug-27	Mar-27	Feb-27	Oct-27	Apr-27	Oct-27	Apr-27	Oct-27	Apr-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1381	1381	1381	1382	1382	1383	1383	1384	1384
119	119	119	118	118	117	117	116	116
43464.75	43464.75	43464.75	43099.5	43099.5	42734.25	42734.25	42369	42369
43464	43464	43464	43099	43099	42734	42734	42369	42369
724.4	724.4	724.4	718.3167	718.3167	712.2333	712.2333	706.15	706.15
0.4	0.4	0.4	0.3167	0.667	0.2333	0.2333	0.15	0.15
24	24	24	19.002	40.02	13.998	13.998	9	9
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
53	53	53	48.002	69.02	42.998	42.998	38	38
81	81	81	76.002	97.02	70.998	70.998	66	66
112	112	112	107.002	128.02	101.998	101.998	97	97
142	142	142	137.002	158.02	131.998	131.998	127	127
173	173	173	168.002	189.02	162.998	162.998	158	158
203	203	203	198.002	219.02	192.998	192.998	188	188
234	234	234	229.002	250.02	223.998	223.998	219	219
265	265	265	260.002	281.02	254.998	254.998	250	250
295	295	295	290.002	311.02	284.998	284.998	280	280
326	326	326	321.002	342.02	315.998	315.998	311	311
356	356	356	351.002	372.02	345.998	345.998	341	341
387	387	387	382.002	403.02	376.998	376.998	372	372
234	81	53	290.002	128.02	284.998	101.998	280	97
21	26	25	1	6	11	17	22	28
255	107	78	291.002	134.02	295.998	118.998	302	125
240	60	60	240	120	240	60	300	120
15	47	18	51.002	14.02	55.998	58.998	2	5

51

chih?

eclipse barely visible

Nov-27	Jun-27	May-27	Dec-27	Jun-27	Dec-27	Jun-27	Jan-27	Jul-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1385	1385	1385	1386	1386	1387	1387	1387	1388
115	115	115	114	114	113	113	113	112
42003.75	42003.75	42003.75	41638.5	41638.5	41273.25	41273.25	41273.25	40908
42003	42003	42003	41638	41638	41273	41273	41273	40908
700.05	700.05	700.05	693.9667	693.9667	687.8833	687.8833	687.8833	681.8
0.05	0.05	0.05	0.9667	0.9667	0.8833	0.8833	0.8833	0.8
3	3	3	58.002	58.002	52.998	52.998	52.998	48
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
32	32	32	87.002	87.002	81.998	81.998	81.998	77
60	60	60	115.002	115.002	109.998	109.998	109.998	105
91	91	91	146.002	146.002	140.998	140.998	140.998	136
121	121	121	176.002	176.002	170.998	170.998	170.998	166
152	152	152	207.002	207.002	201.998	201.998	201.998	197
182	182	182	237.002	237.002	231.998	231.998	231.998	227
213	213	213	268.002	268.002	262.998	262.998	262.998	258
244	244	244	299.002	299.002	293.998	293.998	293.998	289
274	274	274	329.002	329.002	323.998	323.998	323.998	319
305	305	305	360.002	360.002	354.998	354.998	354.998	350
335	335	335	390.002	390.002	384.998	384.998	384.998	380
366	366	366	421.002	421.002	415.998	415.998	415.998	411
305	152	121	390.002	207.002	384.998	201.998	52.998	227
1	7	9	13	18	24	29	4	9
306	159	130	403.002	225.002	408.998	230.998	56.998	236
300	120	120	360	180	360	180	0	180
6	39	10	43.002	45.002	48.998	50.998	56.998	56
								56
								eclipse visible July/August 12th month

Jan-27	Aug-27	Feb-27	Aug-27	Mar-27	Sep-27	Mar-27	Oct-27	Sep-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1388	1389	1389	1390	1391	1391	1391	1392	1392
112	111	111	110	109	109	109	108	108
40908	40542.75	40542.75	40177.5	39812.25	39812.25	39812.25	39447	39447
40908	40542	40542	40177	39812	39812	39812	39447	39447
681.8	675.7	675.7	669.6167	663.5333	663.5333	663.5333	657.45	657.45
0.8	0.7	0.7	0.6167	0.5333	0.5333	0.5333	0.45	0.45
48	42	42	37.002	31.998	31.998	31.998	27	27
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
77	71	71	66.002	60.998	60.998	60.998	56	56
105	99	99	94.002	88.998	88.998	88.998	84	84
136	130	130	125.002	119.998	119.998	119.998	115	115
166	160	160	155.002	149.998	149.998	149.998	145	145
197	191	191	186.002	180.998	180.998	180.998	176	176
227	221	221	216.002	210.998	210.998	210.998	206	206
258	252	252	247.002	241.998	241.998	241.998	237	237
289	283	283	278.002	272.998	272.998	272.998	268	268
319	313	313	308.002	302.998	302.998	302.998	298	298
350	344	344	339.002	333.998	333.998	333.998	329	329
380	374	374	369.002	363.998	363.998	363.998	359	359
411	405	405	400.002	394.998	394.998	394.998	390	390
48	252	71	247.002	88.998	272.998	88.998	298	268
14	19	24	31	6	10	17	20	21
62	271	95	278.002	94.998	282.998	105.998	318	289
60	240	60	240	60	240	60	300	240
2	31	35	38.002	34.998	42.998	45.998	18	49
	31							
	not visible							

Apr-27	Mar-27	Oct-27	May-27	Nov-27	May-27	Nov-27	May-27	Dec-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1392	1392	1393	1393	1394	1394	1395	1395	1396
108	108	107	107	106	106	105	105	104
39447	39447	39081.75	39081.75	38716.5	38716.5	38351.25	38351.25	37986
39447	39447	39081	39081	38716	38716	38351	38351	37986
657.45	657.45	651.35	651.35	645.2667	645.2667	639.1833	639.1833	633.1
0.45	0.45	0.35	0.35	0.2667	0.2667	0.1833	0.1833	0.1
27	27	21	21	16.002	16.002	10.998	10.998	6
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
56	56	50	50	45.002	45.002	39.998	39.998	35
84	84	78	78	73.002	73.002	67.998	67.998	63
115	115	109	109	104.002	104.002	98.998	98.998	94
145	145	139	139	134.002	134.002	128.998	128.998	124
176	176	170	170	165.002	165.002	159.998	159.998	155
206	206	200	200	195.002	195.002	189.998	189.998	185
237	237	231	231	226.002	226.002	220.998	220.998	216
268	268	262	262	257.002	257.002	251.998	251.998	247
298	298	292	292	287.002	287.002	281.998	281.998	277
329	329	323	323	318.002	318.002	312.998	312.998	308
359	359	353	353	348.002	348.002	342.998	342.998	338
390	390	384	384	379.002	379.002	373.998	373.998	369
115	84	292	139	318.002	134.002	312.998	128.998	338
27	28	31	7	11	19	22	29	3
142	112	323	146	329.002	153.002	334.998	157.998	341
120	60	300	120	300	120	300	120	300
22	52	23	26	29.002	33.002	34.998	37.998	41
22								

eclipse
visible

Jul-27	Jan-27	Jul-27	Jan-27	Jul-27	Feb-27	Aug-27	Feb-27	Sep-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1396	1396	1397	1397	1398	1398	1399	1399	1400
104	104	103	103	102	102	101	101	100
37986	37986	37620.75	37620.75	37255.5	37255.5	36890.25	36890.25	36525
37986	37986	37620	37620	37255	37255	36890	36890	36525
633.1	633.1	627	627	620.9167	620.9167	614.8333	614.8333	608.75
0.1	0.1	1	1	0.9167	0.9167	0.8333	0.8333	0.75
6	6	60	60	55.002	55.002	49.998	49.998	45
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
35	35	89	89	84.002	84.002	78.998	78.998	74
63	63	117	117	112.002	112.002	106.998	106.998	102
94	94	148	148	143.002	143.002	137.998	137.998	133
124	124	178	178	173.002	173.002	167.998	167.998	163
155	155	209	209	204.002	204.002	198.998	198.998	194
185	185	239	239	234.002	234.002	228.998	228.998	224
216	216	270	270	265.002	265.002	259.998	259.998	255
247	247	301	301	296.002	296.002	290.998	290.998	286
277	277	331	331	326.002	326.002	320.998	320.998	316
308	308	362	362	357.002	357.002	351.998	351.998	347
338	338	392	392	387.002	387.002	381.998	381.998	377
369	369	423	423	418.002	418.002	412.998	412.998	408
185	6	239	60	234.002	84.002	259.998	78.998	286
8	13	18	24	30	3	10	14	19
193	19	257	84	264.002	87.002	269.998	92.998	305
180	0	240	60	240	60	240	60	300
13	19	17	24	24.002	27.002	29.998	32.998	5

Mar-27	Sep-27	Apr-27	Oct-27	Apr-27	Oct-27	May-27	Apr-27	Dec-27
1500	1500	1500	1500	1500	1500	1500	1500	1500
1400	1401	1401	1402	1402	1403	1403	1403	1404
100	99	99	98	98	97	97	97	96
36525	36159.75	36159.75	35794.5	35794.5	35429.25	35429.25	35429.25	35064
36525	36159	36159	35794	35794	35429	35429	35429	35064
608.75	602.65	602.65	596.5667	596.5667	590.4833	590.4833	590.4833	584.4
0.75	0.65	0.65	0.5666	0.5666	0.4833	0.4833	0.4833	0.4
45	39	39	33.996	33.996	28.998	28.998	28.998	24
29	29	29	29	29	29	29	29	29
28	28	28	28	28	28	28	28	28
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31
74	68	68	62.996	62.996	57.998	57.998	57.998	53
102	96	96	90.996	90.996	85.998	85.998	85.998	81
133	127	127	121.996	121.996	116.998	116.998	116.998	112
163	157	157	151.996	151.996	146.998	146.998	146.998	142
194	188	188	182.996	182.996	177.998	177.998	177.998	173
224	218	218	212.996	212.996	207.998	207.998	207.998	203
255	249	249	243.996	243.996	238.998	238.998	238.998	234
286	280	280	274.996	274.996	269.998	269.998	269.998	265
316	310	310	304.996	304.996	299.998	299.998	299.998	295
347	341	341	335.996	335.996	330.998	330.998	330.998	326
377	371	371	365.996	365.996	360.998	360.998	360.998	356
408	402	402	396.996	396.996	391.998	391.998	391.998	387
102	280	127	304.996	121.996	299.998	146.998	116.998	356
26	30	6	11	18	22	28	28	1
128	310	133	315.996	139.996	321.998	174.998	144.998	357
120	300	120	300	120	300	120	120	300
8	10	13	15.996	19.996	21.998	54.998	24.998	57

22

eclipse
visible
If in Wuding's 60 year reign.

Wuding -<

Jun-27

1500

1404

96

35064

35064

584.4

0.4

24

29

28

31

30

31

30

31

31

30

31

30

31

53

81

112

142

173

203

234

265

295

326

356

387

173

7

180

120

60