

Occultation prediction for Nederland midden

E. Longitude 5 0 0.0, Latitude 52 0 0.0, Alt. 0m;

y	m	d	h	m	s	P	Star No	Sp D	Mag v	Mag r V	% ill	Elon Alt	Sun Alt	Moon Az	CA	PA	VA	AA	Libration L	B	A	B	RV "/s	Cct o	durn sec	R.A. (J2000) h m s	Dec o m s	Mdist Mm	SV m/s
24	Apr	10	12	23	11.7	d	415cK1		5.8	5.2	4+	24	45	55	159	68S	90	104	106	+4.7	-2.8	+1.6+0.4	.410	-30.3		2 48 32.1	18 17 2	360.4	831.3
R415 = 40 Arietis																													
415 is double: ** 6.8 6.8 0.20" 270.0, dT = -0.49sec																													
415 has been reported as non-instantaneous (OCc 232). Observations are highly desired																													
24	Apr	10	19	7	55.3	d	446 F5		8.4	8.2v	6+	27	-6	18	279	25S	134	94	149	+4.3	-3.3	-0.4-3.6	.286	-60.3		3 1 11.0	19 24 10	365.0	1022.3
446 = HIP 14062, 8.44, range 0.01, 3V, Type VAR, Period 0.97870 days																													
24	Apr	10	20	38	58	M	93257		8.6	8.1	6+	28		5	296	6N	346	310	0	+4.4	-3.3	+9.9+9.9	.000	90.0		3 3 49.1	20 6 39	366.7	1127.7
24 Apr 10 20 40 8 Gr 93257 8.6 8.1 6+ 28 4 ** GRAZE: CA 6.4N; Dist.120km in az. 211deg. [Lat = 50.73-0.37(E.Long-5.00)]																													
24	Apr	11	13	6	23.6	d	556pB8		5.4	5.5S	11+	38	43	59	151	65N	48	67	60	+6.0	-4.3	+1.0+1.8	.433	18.1		3 48 20.8	23 25 17	365.5	808.4
556 is triple: Aa,Ab 5.7 7.7 0.10" : AB 5.4 14.1 177" 298.3, dT = -138sec																													
556 is a close double. Observations are highly desired																													
556 = NSV 1321, 5.44, , Type EA, Period 2.2663 days, Phase 55%																													
24	Apr	11	20	46	39.5	D	76417 K2		9.0	8.2	13+	42		16	290	51N	36	357	46	+5.5	-4.5	+0.4-0.1	.410	45.9		4 3 48.4	24 24 7	371.1	11059.2
24	Apr	11	20	49	35.2	D	598SG0		5.5	5.0S	13+	42		15	290	57S	108	69	118	+5.5	-4.5	-0.3-1.8	.530	-26.2		4 4 21.7	24 6 22	371.2	11062.4
R598 = 36 Tauri																													
598 is triple: Aa,Ab 5.5 5.5 0.017" 76.4, dT = +0.03sec : AB 5.5 12.2 25.7" 258.0, dT = -42sec																													
598 is a close double. Observations are highly desired																													
598 = NSV 15883, 5.47,																													
24	Apr	12	20	2	35	D	750SG2		6.9		21+	54		32	274	1S	170	126	175	+6.2	-5.5	+9.9+9.9	.074	-81.7		5 1 44.3	26 40 16	375.3	933.1
750 is triple: AB 7.07 9.01 0.19" 170.3, dT = +2.6sec : AB,C 6.8 8.3 78" 159.0, dT = +1035sec																													
750 has been reported as non-instantaneous (S 461). Observations are highly desired																													
Distance of 750 to Terminator = 19.4"; to 3km sunlit peak = 0.0"																													
24	Apr	12	21	9	14.9	D	76945 A2		7.5	7.4	21+	55		22	285	24S	148	106	153	+6.2	-5.5	-0.8-3.2	.288	-58.7		5 4 50.1	26 43 15	376.6	11011.4
24	Apr	12	21	49	50.2	D	76965cG		7.6	7.2	21+	55		17	292	88N	80	40	84	+6.2	-5.4	+0.0-1.2	.570	9.7		5 7 5.1	26 59 45	377.3	11059.2
76965 is double: ** 9.1 9.1 0.050"																													
76965 has been reported as non-instantaneous (OCc1253). Observations are highly desired																													
24	Apr	13	13	37	24.4	d	885wG7		5.6	5.1	28+	64	41	54	117	78S	99	137	99	+7.3	-6.1	+1.3+0.8	.415	-17.6		5 50 58.1	27 58 4	378.1	798.2
885 is double: AB 5.7 12.5 10.9" 233.1, dT = -18sec																													
24	Apr	13	18	32	6.9	D	77818 K5		6.7	5.8	30+	66	0	55	241	88N	86	48	86	+6.7	-6.2	+1.2-0.9	.422	7.8		6 0 4.9	28 7 33	379.3	784.3
24	Apr	13	19	24	14.7	d	77853 A0		9.0	9.0	30+	66	-8	48	255	62N	60	17	59	+6.6	-6.1	+1.3-0.3	.364	35.8		6 1 38.3	28 12 35	380.0	827.8
24	Apr	13	19	53	32.1	D	77875 K2		9.0	8.3	30+	66	-12	43	262	57N	55	11	54	+6.5	-6.1	+1.2-0.3	.348	41.5		6 2 35.2	28 12 24	380.5	856.5
24	Apr	13	21	1	47	M	917 K2		8.1	7.4S	30+	67		33	275	9N	7	323	6	+6.5	-6.0	+9.9+9.9	.000	90.0		6 4 16.2	28 18 3	381.7	932.4
917 = NSV 2811, 8.4,																													
24	Apr	13	21	27	33.1	D	77957 B9		8.7	8.6	31+	67		29	279	82S	97	53	96	+6.4	-6.0	+0.2-1.6	.519	0.1		6 6 15.6	27 56 5	382.1	961.3
24	Apr	13	22	3	43.7	D	77987 B9		8.5	8.5V	31+	67		24	285	74S	105	63	104	+6.4	-6.0	-0.1-1.7	.536	-7.9		6 7 39.9	27 51 36	382.8	11004.4
77987 = HD 41639, 8.44, , Type VAR																													

y	m	d	h	m	s	P	Star No	Sp D	Mag v	Mag r V	% ill	Elon Alt	Sun Alt	Moon Alt	Az	CA o	PA o	VA o	AA o	Libration L	Libration B	A m/o	B m/o	RV "/s	Cct o	durn sec	R.A. (J2000) h m s	Dec o m s	Mdist Mm	SV m/s			
24	Apr	14	0	44	10.3	d	78128	K2	8.3	7.7	32+	69		3	313	57S	122	92	121	+6.5	-5.9	-0.7	-1.3	.564	-26.9		6	14	35.7	27	36	49	385.71182.4
24	Apr	14	19	39	7.8	d	78964	M0	9.0	8.1v	40+	78	-10	53	244	46S	139	100	133	+6.5	-6.3	+0.5	-2.7	.344	-35.5		7	0	49.1	27	21	34	385.5 789.7
78964 = ASAS J070049+2721.6, 8.95, range 0.13, V, Type MISC, Period 39.49 days, Phase 39%																																	
24	Apr	14	19	52	27.5	D	78976wA0		8.2	8.1	40+	78	-11	51	247	59S	126	86	120	+6.5	-6.3	+0.7	-2.2	.396	-22.3		7	1	24.5	27	22	49	385.7 800.9
78976 is double: AB 8.1 12.0 30" 248.0, dT = -40sec																																	
24	Apr	14	19	55	26	m	78965	K0	9.0	8.4	40+	78	-12	51	249	9N	14	333	8	+6.4	-6.3	+9.9	+9.9	.000	90.0		7	0	51.9	27	48	16	385.7 804.5
24	Apr	14	23	48	57.5	d	79127	A0	8.9	8.9	41+	80		16	293	82N	88	48	81	+6.2	-6.1	-0.1	-1.4	.540	15.6		7	10	5.5	27	3	54	389.81060.5
24	Apr	15	0	23	30.1	D	1088	A4	5.8	5.7S	42+	81		11	299	67S	119	82	112	+6.2	-6.0	-0.5	-1.5	.557	-16.2		7	11	23.1	26	51	24	390.41099.0
R1088 = 47 Geminorum 1088 = NSV 17371, 5.77, , Type DSCT:																																	
24	Apr	15	21	48	9.6	D	79855	A0	8.0	7.9	51+	91		40	260	46S	146	104	135	+5.8	-6.1	+0.0	-2.6	.374	-34.5		8	0	26.2	25	2	2	392.0 862.6
24	Apr	15	21	58	29.4	D	1206	G8	5.9	5.3	51+	91		39	262	34N	46	3	35	+5.8	-6.1	+2.0	+0.1	.189	65.7		8	0	55.9	25	23	34	392.2 873.8
R1206 = omega Cancri																																	
24	Apr	15	22	15	11.8	D	1211SA1		6.3	6.3	51+	91		36	265	84S	108	65	97	+5.7	-6.0	+0.4	-1.8	.467	3.3		8	1	43.8	25	5	22	392.5 891.2
R1211 = 4 Cancri 1211 is triple: AB 6.3 11.0 45" 27.3, dT = +15sec : AC 6.3 11.6 106" 295.0, dT = -225sec																																	
24	Apr	15	22	25	18.8	r	1206	G8	5.9	5.3	51+	91		35	268	-15N	357	314	346	+5.7	-6.0	-1.1	-3.7	.195	114.2		8	0	55.9	25	23	34	392.6 904.0
R1206 = omega Cancri																																	
24	Apr	15	22	31	2.6	d	79874	K7	8.5	7.7v	51+	91		34	268	66S	125	83	114	+5.7	-6.0	+0.1	-2.1	.463	-14.2		8	2	5.4	24	58	35	392.7 908.6
79874 = FO Cnc, 8.6 to 8.77, Hp, Type LB:, Period 24.939315 days, Phase 67%																																	
24	Apr	15	22	51	45.0	D	79888	K5	8.2	7.5	51+	91		31	272	84S	108	65	97	+5.7	-6.0	+0.2	-1.8	.488	2.8		8	2	55.7	24	59	3	393.1 931.8
24	Apr	15	23	1	39.2	d	79886	K0	8.6	8.1	51+	91		29	274	40S	152	110	141	+5.7	-6.0	-0.4	-2.4	.371	-41.5		8	2	43.2	24	48	38	393.3 943.3
24	Apr	16	22	49	56.5	D	80499	K0	8.2	7.6	61+	103		36	260	65N	82	41	67	+4.9	-5.5	+0.9	-1.5	.373	35.0		8	54	32.2	21	49	13	396.6 874.8
24	Apr	16	23	39	26.4	d	80514pA*		8.5	8.4	61+	103		28	269	55N	72	30	56	+4.8	-5.4	+0.7	-1.4	.345	44.3		8	55	59.0	21	41	32	397.4 927.7
80514 is double: ** 9.1 9.1 0.10" 87.0, dT = +0.28sec 80514 has been reported as non-instantaneous (OCc 716). Observations are highly desired																																	
24	Apr	17	0	25	55.4	d	80534	K	8.4	7.7	62+	103		21	278	84S	113	72	98	+4.7	-5.4	+0.0	-1.8	.506	1.7		8	57	26.3	21	21	3	398.3 978.7
24	Apr	17	1	11	19.0	d	1342KG5		7.6	7.3	62+	104		14	286	78S	119	80	104	+4.7	-5.3	-0.3	-1.7	.529	-5.5		8	58	55.7	21	9	59	399.11028.8
24	Apr	17	22	7	22.2	d	98711cF2		8.9	8.7	70+	113		45	235	36N	56	24	38	+3.9	-4.9	+2.7	+0.2	.168	65.8		9	41	31.1	17	53	13	398.7 792.4
98711 is double: AB 9.2 9.8 0.16" 336.4, dT = +0.17sec 98711 is a close double. Observations are highly desired																																	
24	Apr	18	21	19	29.1	d	99115	G5	8.5	8.0	78+	124		49	204	47N	71	56	50	+2.9	-4.0	+2.5	+0.2	.217	55.1		10	26	5.7	13	9	9	400.1 737.9
24	Apr	18	22	57	59.9	D	99133	K0	7.8	7.0	79+	125		39	234	23S	181	150	161	+2.6	-3.8	-0.4	-3.0	.229	-56.1		10	27	16.9	12	26	42	401.0 797.0
24	Apr	19	0	9	7.7	D	99157pF2		7.4		79+	125		29	251	48S	155	119	135	+2.4	-3.7	+0.1	-2.3	.371	-32.3		10	29	25.6	12	11	13	401.9 856.9
99157 is double: AB 7.69 8.76 0.10" 89.9, dT = +0.11sec 99157 is a close double. Observations are highly desired																																	

y	day	Time	P	Star	Sp	Mag	Mag	%	Elon	Sun	Moon	CA	PA	VA	AA	Libration	A	B	RV	Cct	durn	R.A. (J2000)	Dec	Mdist	SV									
	m	d	h	m	s	No	D	v	r	V	ill	Alt	Alt	Az	o	o	o	o	L	B	m/o	m/o	"/s	o	sec	h	m	s	o	m	s	Mm	m/s	
24	Apr	19	20	49	32.7	d	118682	K0	8.2	7.6	85+	135		46	178	48S	157	159	136	+1.7	-2.9	+0.7	-1.9	.324	-29.6	11	8	27.4	7	37	50	401.0	725.1	
24	Apr	20	19	55	29.1	D	119068	F5	7.8	7.5	91+	146	-10	36	149	49S	157	175	135	+0.6	-1.7	+0.7	-1.3	.337	-28.9	11	49	46.8	2	13	55	401.6	748.8	
24	Apr	21	0	2	45.5	d	119112	K5	8.3	7.5	92+	147		31	224	74S	131	106	109	-0.2	-1.2	+0.9	-1.8	.398	-3.9	11	55	3.9	1	19	2	402.0	777.8	
24	Apr	21	0	39	20.7	D	119114	F2	7.2	7.0	92+	147		27	233	41S	163	134	141	-0.3	-1.2	+0.3	-2.2	.326	-37.6	11	55	23.9	1	5	45	402.4	801.8	
24	Apr	21	2	11	32.7	d	119138	K0	7.4	6.9	92+	148		14	253	88N	113	77	91	-0.5	-1.0	+0.5	-1.9	.443	9.3	11	58	13.0	0	52	9	403.6	879.3	
24	Apr	21	21	22	37.8	d	1801	G5	8.6	8.2	96+	157		33	165	89S	114	124	93	-0.9	-0.1	+1.4	-0.2	.370	14.7	12	34	13.3	-3	43	16	400.7	744.0	
24	Apr	22	1	6	1.4	D	1814SK5		6.7	5.8S	96+	158		23	227	38N	60	33	38	-1.6	+0.3	+2.1	-0.9	.172	64.8	.01	12	38	43.3	-4	22	25	401.4	786.5
1814 is triple: AB 6.8 10.0 57" 110.5, dT = +211sec : AC 6.8 10.2 165" 359.1, dT = +466sec																																		
1814 = NSV 19445, 6.66, , Type VAR:																																		
24	Apr	23	0	29	29.1	D	1917pG5		7.2	6.7	99+	169		25	205	72N	86	70	66	-2.7	+1.7	+1.8	-0.9	.299	39.0	13	21	12.2	-9	59	57	399.4	745.2	
1917 is double: ** 7.8 7.8 0.10" 90.0, dT = +0.33sec																																		
1917 has been reported as non-instantaneous (OCc 141). Observations are highly desired																																		
Distance of 1917 to Terminator = 15.0"; to 3km sunlit peak = 5.2"																																		
24	Apr	24	22	43	23.1	r	2115	A6	7.2	7.1	99-	168		15	157	64S	277	292	262	-4.2	+4.2	+1.4	+0.7	.369	-155.8	14	49	27.7	-19	54	13	395.4	775.2	
Distance of 2115 to Terminator = 15.8"; to 3km sunlit peak = 5.7"																																		
24	Apr	25	22	23	2.5	r	2237cK3		5.0	4.3s	96-	157		6	143	60N	323	347	311	-4.9	+5.4	+0.4	+0.1	.386	153.4	15	40	16.9	-23	49	5	393.4	824.5	
R2237 = 42 Librae																																		
2237 is double: ** 5.2 6.8 0.08" 90.1, dT = +0.12sec																																		
2237 has been reported as non-instantaneous (OCc1681). Observations are highly desired																																		
2237 = NSV 20363, 4.94 to 5.02, V																																		
24	Apr	27	2	21	3.4	r	2397	K1	6.5	5.9	90-	144		10	185	32S	227	224	220	-5.9	+6.7	+2.0	+0.3	.211	-123.2	16	41	37.6	-27	48	35	389.0	726.6	
24	May	2	5	36	21	m	3175	G8	4.7	4.3	42-	80	12	18	164	8N	332	342	350	-4.5	+6.4	+9.9	+9.9	.000	90.0	21	42	39.5	-18	51	59	368.9	794.9	
R3175 = kappa Capricorni																																		
24	May	6	5	17	9	Gr	180SA7		5.2	5.1S	5-	26	9	20	** GRAZE: CA	8.9N;	Dist.206km in az. 123deg. [Lat = 48.61+0.95(E.Long-5.00)]																	
24	May	6	5	23	5	m	180SA7		5.2	5.1S	5-	26	11	19	102	9N	328	6	349	+1.0	+0.3	+9.9	+9.9	.000	90.0	1	13	43.9	7	34	31	361.11009.4		
R180 = zeta Piscium A																																		
180 is triple: Aa,Ab 5.6 6.4 0.20" : AB 5.2 6.3 22.8" 62.9																																		
180 is a close double. Observations are highly desired																																		
180 = NSV 15259, 5.31,																																		
24	May	9	13	57	9.4	d	647WB9		5.4	5.4s	3+	19	46	61	211	25N	5	344	13	+4.9	-5.0	+0.9	+6.3	.144	70.9	4	22	34.9	25	37	46	367.0	781.0	
R647 = chi Tauri																																		
647 is double: AB 5.4 8.5 19.4" 24.9, dT = +127sec																																		
647 = NSV 15957, 5.34 to 5.39, Hp																																		
24	May	9	14	8	53	Gr	647WB9		5.4	5.4s	3+	19	44	59	** GRAZE: CA	6.3N;	Dist.102km in az. 355deg. [Lat = 52.92+0.05(E.Long-5.00)]																	
24	May	9	20	5	0.3	d	698	K2	7.5	6.8	4+	22	-7	12	297	64S	99	61	106	+4.6	-5.0	-0.3	-1.4	.599	-13.0	4	37	24.6	25	43	39	372.51110.1		
24	May	10	19	52	42.5	r	840cK0		6.3	5.5	9+	35	-5	23	286	-68N	284	242	286	+5.3	-5.7	-0.1	-1.6	.553	169.5	5	35	55.5	27	39	44	376.61026.6		
840 is double: ** 7.3 7.3 0.050"																																		
840 has been reported as non-instantaneous (OCc1267). Observations are highly desired																																		

y	day	Time	P	Star	Sp	Mag	Mag	%	Elon	Sun	Moon	CA	PA	VA	AA	Libration	A	B	RV	Cct	durn	R.A. (J2000)	Dec	Mdist	SV								
	m	d	h	m	s	No	D	v	r	V	ill	Alt	Alt	Az	o	o	o	o	L	B	m/o	m/o	"/s	o	sec	h	m	s	o	m	s	Mm	m/s
24	May	10	20	37	0.8	d	77359	B9	9.0	9.0	9+	35	-10	17	294	47N	39	359	40	+5.3	-5.7	+0.5-0.3	.339	54.8	5	39	44.4	27	46	51	377.41077.2		
24	May	10	20	48	12.0	D	77379	A	8.3	8.1v	9+	35	-11	15	295	54S	119	80	120	+5.3	-5.7	-0.4-1.7	.539	-25.2	5	40	32.5	27	26	34	377.61089.9		
77379 = V1164 Tau, 8.18 to 8.48, V, Type GCAS																																	
24	May	10	21	0	24.9	D	77383	F5	8.2	8.0	9+	35		14	298	40N	32	354	33	+5.4	-5.7	+0.6-0.1	.289	61.4	5	40	40.3	27	47	7	377.81104.7		
24	May	10	21	6	19.1	D	77396	F0	8.9	8.8	9+	35		13	299	81N	73	35	74	+5.4	-5.7	-0.1-1.1	.567	20.5	5	41	26.9	27	38	12	377.91110.9		
24	May	10	21	30	40.2	D	77415cB9		8.3	8.2	9+	36		10	303	39N	31	355	32	+5.4	-5.6	+0.4-0.1	.290	62.2	5	42	2.6	27	46	15	378.41138.8		
77415 is double: ** 9.3 9.3 0.10" 135.0, dT = -0.08sec																																	
77415 has been reported as non-instantaneous (OCc 738). Observations are highly desired																																	
24	May	10	22	8	33.1	D	77466	B9	7.9	7.8	10+	36		5	309	22S	151	118	152	+5.4	-5.6	-1.1-1.9	.338	-58.2	5	43	49.0	27	17	46	379.11179.2		
24	May	10	22	17	0.2	D	868SA0		7.5	7.5	10+	36		4	311	44N	37	5	38	+5.5	-5.6	+0.0-0.3	.364	55.7	5	44	21.2	27	43	53	379.11187.5		
868 is triple: AB 7.5 9.8 8.6" 254.1, dT = -19sec : AC 7.5 12.7 48" 40.4, dT = +131sec																																	
868 is a close double. Observations are highly desired																																	
24	May	11	18	15	23.3	d	1008	A0	5.3	5.3s	16+	47	8	46	257	51N	50	7	46	+5.8	-6.2	+1.5+0.2	.292	50.7	6	35	12.1	28	1	20	379.7	848.7	
R1008 = 49 Aurigae																																	
1008 = NSV 3032, 5.05 to 5.27, V																																	
24	May	11	19	52	27.2	D	78580SA2		7.3	7.2	16+	47	-5	32	276	68N	68	24	64	+5.7	-6.1	+0.6-1.0	.429	33.8	6	38	53.6	27	48	16	381.4	953.9	
78580 is triple: AC 7.3 13.8 26.7" 237.2, dT = -61sec : AB 7.3 10.5 28.6" 130.5, dT = +30sec																																	
24	May	11	21	6	46.9	D	78644	A0	8.8	8.8	16+	48		21	288	58S	122	81	118	+5.6	-6.0	-0.3-1.8	.522	-21.5	6	41	45.6	27	26	15	382.71041.5		
24	May	11	21	7	38.5	D	78641	M0	8.3	7.5v	16+	48		20	289	46S	134	93	130	+5.6	-6.0	-0.4-2.0	.472	-32.9	6	41	39.2	27	23	42	382.81042.7		
78641 = ASAS J064139+2723.7, 8.26, range 0.16, V, Type MISC, Period 28.97 days, Phase 34%																																	
24	May	11	21	24	31.9	D	78660	K7	8.9	8.0	17+	48		18	291	65S	115	75	111	+5.6	-6.0	-0.3-1.7	.554	-14.5	6	42	34.3	27	26	6	383.11062.2		
24	May	11	21	59	47.4	D	78685	B9	8.0	8.0	17+	48		13	298	90S	91	53	86	+5.7	-5.9	-0.3-1.3	.584	9.5	6	44	12.0	27	28	48	383.71102.5		
24	May	11	22	51	53	M	1035cK3		6.7	6.0	17+	49		7	307	9N	10	336	5	+5.7	-5.9	+9.9+9.9	.000	90.0	6	45	35.1	27	40	24	384.61159.5		
1035 is double: ** 7.6 7.6 0.12" 90.0																																	
1035 has been reported as non-instantaneous (OCc 233). Observations are highly desired																																	
24	May	11	23	19	51.4	d	78740	K0	8.3	7.8	17+	49		3	312	31S	150	118	145	+5.8	-5.9	-0.9-1.6	.403	-50.5	6	47	16.2	27	7	28	385.11186.0		
24	May	12	21	47	22.5	D	1162	K2	8.2	7.6	25+	60		22	285	86N	93	51	83	+5.5	-5.9	+0.0-1.5	.524	14.7	7	41	17.4	25	53	19	388.31020.3		
24	May	12	22	59	36.4	D	1169	K5	5.3	4.5s	26+	61		12	297	65N	72	35	62	+5.5	-5.8	-0.1-1.2	.482	34.1	7	44	6.9	25	47	3	389.61101.3		
R1169 = 76 Geminorum																																	
1169 = NSV 3703, 5.28 to 5.32, V																																	
24	May	13	13	23	39.7	d	1251	B9	5.9	5.9	32+	69	51	44	109	38S	154	194	141	+6.2	-6.0	+1.3-1.7	.258	-51.6	8	20	32.1	24	1	20	389.4	784.7	
R1251 = lambda Cancri																																	
24	May	14	22	3	7.0	d	98556	F5	8.9	8.7	44+	83		28	264	36S	162	121	145	+4.2	-4.9	-0.3-2.4	.344	-43.5	9	25	3.3	18	44	56	396.5	912.7	
24	May	14	22	12	34.9	d	98565cA0		8.9		44+	83		27	266	84N	102	61	85	+4.2	-4.8	+0.4-1.8	.460	16.5	9	26	2.7	18	54	2	396.7	922.4	
98565 is double: AB 8.87 11.83 1.27" 237.3, dT = -2sec																																	
98565 is a close double. Observations are highly desired																																	
24	May	14	22	46	51	M	98567	A3	7.5	7.4	44+	84		22	273	10N	27	347	10	+4.1	-4.8	+9.9+9.9	.000	90.0	9	26	34.5	19	3	36	397.3	960.4	
24	May	15	21	4	27.4	D	1491	K0	8.6	8.0	54+	94	-12	40	238	80N	101	69	82	+3.3	-4.1	+1.1-1.6	.386	22.6	10	10	56.5	14	28	59	398.3	807.7	
24	May	16	0	32	26.0	D	1504	M1	5.4	4.6	55+	96		9	281	62N	84	45	64	+3.0	-3.7	+0.0-1.6	.430	34.2	10	16	40.7	13	43	42	401.71012.8		
R1504 = 37 Leonis																																	

