

Occultation prediction for Nederland midden

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

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										
y	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	
26	Apr	14	6	4	51.4	d	3353cM2	3.7	2.9v	13-	43	11	19	132	-42N	19	47	40	-6.7	+0.5	+0.6	+1.9	.363	38.2	.02	22	52	36.9	-	7	34	47	377.3	845.4
R3353 = lambda Aquarii																																		
3353 is double: AB 3.8 8.3 0.50" 242.0, dT = -1sec																																		
3353 is a close double. Observations are highly desired																																		
3353 = lam Aqr, 3.57 to 3.80, V, Type SRS, Period 24.5 days																																		
26	Apr	14	7	0	32.2	R	3353cM2	3.7	2.9v	13-	42	20	25	146	63N	274	294	295	-6.8	+0.4	+1.5	+1.1	.350	141.8	.02	22	52	36.9	-	7	34	47	376.5	813.6
R3353 = lambda Aquarii																																		
3353 is double: AB 3.8 8.3 0.50" 242.0, dT = -1.2sec																																		
3353 is a close double. Observations are highly desired																																		
3353 = lam Aqr, 3.57 to 3.80, V, Type SRS, Period 24.5 days																																		
26	Apr	19	16	40	9.6	D	539SB6	4.3	4.4s	7+	30	18	46	250	59S	100	60	113	-0.5	-6.1	+0.9	-1.6	.471	-21.0		3	45	12.5	24	28	2	357.2	874.7	
R539 = Taygeta = 19 Tauri																																		
539 is multiple: Aa,Ab 4.6 6.1 : AB 0.018" 273.5, dT = -0.04sec : AC 4.3 14.0 53" 53.4, dT = +77sec : AB 4.3 11.0 72" 328.8,																																		
539 is a close double. Observations are highly desired																																		
539 = NSV 1264, 4.30, range 0.00, 1Kp, Type SPB, Period 1.5664 days																																		
26	Apr	19	16	43	21.1	d	536pB7	5.5	5.5	7+	30	17	45	251	13S	146	106	159	-0.5	-6.1	+0.4	-5.2	.198	-67.0		3	44	48.2	24	17	22	357.3	877.8	
R536 = Celaeno = 16 Tauri																																		
536 is triple: AB 5.4 13.2 89" 264.5, dT = -212sec : AC 5.4 11.5 218" 196.1, dT = +708sec																																		
26	Apr	19	16	58	41.7	d	542pB8	5.8	5.8	7+	31	15	43	254	71S	88	47	101	-0.6	-6.1	+0.8	-1.2	.508	-8.4		3	45	54.5	24	33	16	357.4	890.0	
R542 = Asterope = 21 Tauri																																		
542 is triple: AB 5.8 6.4 150" 130.1, dT = +219sec : AD 5.8 12.7 170" 74.1, dT = +325sec																																		
26	Apr	19	17	4	59.7	D	541SB8	3.9	3.9s	7+	31	14	42	256	27S	132	91	145	-0.6	-6.1	+0.5	-3.3	.316	-52.3		3	45	49.6	24	22	4	357.5	896.0	
R541 = Maia = 20 Tauri																																		
541 is quadruple: Aa,Ab 4.4 5.4 : AB 3.8 13.7 113" 72.6, dT = +181sec : AB 3.8 13.7 113" 72.7, dT = +182sec																																		
541 = NSV 1279, 3.87, range 0.00, 4Kp, Type ACV, Period 10.288 days																																		
26	Apr	19	17	9	27.3	d	538pB8	5.7	5.7	7+	31	13	42	257	24N	4	322	16	-0.6	-6.1	+2.0	+6.2	.122	76.4		3	45	9.7	24	50	21	357.5	900.3	
R538 = 18 Tauri																																		
538 is quadruple: Aa,Ab 6.4 6.4 0.10" : AB 5.6 14.0 72" 128.9, dT = -340sec : AC 5.6 14.8 151" 175.1, dT = -1223sec																																		
538 is a close double. Observations are highly desired																																		
26	Apr	19	17	16	22	Gr	538pB8	5.7	5.7	7+	31	12	40	** GRAZE	CA 10.8N; Dist. 54km in az. 16deg. [Lat = 52.51-0.18(E.Long-5.00)]																			
26	Apr	19	17	24	9.9	r	538pB8	5.7	5.7	7+	31	11	39	261	-3N	337	295	349	-0.6	-6.1	-0.6	-8.1	.124	103.6		3	45	9.7	24	50	21	357.7	914.6	
R538 = 18 Tauri																																		
538 is quadruple: Aa,Ab 6.4 6.4 0.10" : AB 5.6 14.0 72" 128.9, dT = +514sec : AC 5.6 14.8 151" 175.1, dT = +1158sec																																		
538 is a close double. Observations are highly desired																																		

Y	M	D	h	m	s	P	Star No	Sp D	Mag v	Mag r V	% ill	Elon Alt	Sun Alt	Moon Alt	CA Az	PA o	VA o	AA o	Libration L	A B m/o m/o	RV "/s	Cct o	durn sec	R.A. (J2000) h m s	Dec o m s	Mdist Mm	SV m/s						
26	Apr	19	17	40	27.9	r	539SB6		4.3	4.4s	7+	31	9	37	264	-80S	240	198	252	-0.6	-6.1	+0.8-0.5	.501	-159.1	3	45	12.5	24	28	2	358.0	931.3	
R539 = Taygeta = 19 Tauri																																	
539 is multiple: Aa,Ab 4.6 6.1 : AB 0.018" 273.5, dT = -0.03sec : AC 4.3 14.0 53" 53.4, dT = +105sec : AB 4.3 11.0 72" 328.8, dT = -3sec																																	
539 is a close double. Observations are highly desired																																	
539 = NSV 1264, 4.30, range 0.00, 1Kp, Type SPB, Period 1.5664 days																																	
26	Apr	19	17	44	15.0	R	541SB8		3.9	3.9s	7+	31	8	36	264	-49S	209	166	221	-0.6	-6.1	+1.1+0.9	.329	-127.7	3	45	49.6	24	22	4	358.0	934.8	
R541 = Maia = 20 Tauri																																	
541 is quadruple: Aa,Ab 4.4 5.4 : AB 3.8 13.7 113" 72.6, dT = +248sec : AB 3.8 13.7 113" 72.7, dT = +248sec																																	
541 = NSV 1279, 3.87, range 0.00, 4Kp, Type ACV, Period 10.288 days																																	
26	Apr	19	19	5	5.7	D	76259cA2		7.4	7.4	7+	32	-4	24	279	18S	143	101	155	-0.5	-6.0	-0.5-3.4	.298	-59.6	3	50	28.1	24	29	44	359.21023.4		
76259 is double: ** 7.6 8.8 0.015" 114.0, dT = +0.04sec																																	
76259 has been reported as non-instantaneous (OCc 252). Observations are highly desired																																	
26	Apr	19	19	28	37.2	d	76273 F2		8.9	8.7	7+	32	-7	21	283	16S	144	103	156	-0.5	-6.0	-0.7-3.4	.293	-60.9	3	51	27.2	24	31	7	359.61051.1		
26	Apr	19	19	56	58	M X	5027 G5		9.0	8.4	8+	32	-11	17	289	13N	354	314	6	-0.5	-6.0	+9.9+9.9	.000	90.0	3	51	51.2	25	5	55	360.01085.7		
26	Apr	19	20	55	48.7	D	76319kA2		8.4	8.3	8+	33		9	299	36N	17	341	29	-0.4	-5.9	+0.7+0.9	.260	66.8	3	55	7.6	25	6	21	360.81154.8		
26	Apr	19	21	2	54	Gr	76319kA2		8.4	8.3	8+	33		9	** GRAZE: CA 12.6N; Dist.215km in az. 40deg. [Lat = 54.53-0.52(E.Long-5.00)]																		
26	Apr	20	19	45	49.8	D	76857cF5		8.9	8.6	15+	46	-9	30	277	42N	32	348	38	+1.3	-5.9	+1.2+0.5	.287	60.1	4	57	40.8	27	22	33	360.21004.8		
76857 is double: ** 9.7 9.7 0.050" 55.0, dT = +0.16sec																																	
76857 has been reported as non-instantaneous (OCc1118). Observations are highly desired																																	
26	Apr	20	20	30	18.6	D X	6391WA0		8.7	8.5	15+	46		23	285	56N	45	3	52	+1.3	-5.9	+0.6-0.4	.416	46.5	4	59	53.1	27	19	14	360.91057.6		
X 6391 is double: BA 8.7 7.0 20.4" 26.1, dT = +46sec																																	
26	Apr	20	20	31	5.5	D	746WB7		7.0	6.9	15+	46		23	285	54N	44	2	50	+1.3	-5.9	+0.6-0.3	.404	48.1	4	59	53.7	27	19	32	360.91058.6		
746 is double: AB 7.0 8.7 20.4" 206.1, dT = -48sec																																	
26	Apr	20	22	52	11.0	D	76965cG		7.6	7.2	16+	48		5	309	63S	108	75	114	+1.6	-5.7	-0.6-1.2	.665	-16.4	5	7	5.1	26	59	45	363.11220.2		
76965 is double: ** 9.1 9.1 0.050"																																	
76965 has been reported as non-instantaneous (OCc1253). Observations are highly desired																																	
26	Apr	21	13	31	24.3	d	885wG7		5.6	5.1	23+	57	44	57	124	41N	37	73	39	+3.4	-5.7	+0.7+3.2	.310	49.2	5	50	58.1	27	58	4	359.9	827.5	
885 is double: AB 5.7 12.5 10.8" 233.1, dT = -34sec																																	
26	Apr	21	14	30	44.0	D	890cA0		4.6	4.6s	23+	57	37	63	147	52S	124	147	125	+3.3	-5.7	+1.5-0.9	.373	-35.2	5	53	19.6	27	36	44	359.7	797.2	
R890 = 136 Tauri																																	
890 is double: ** 4.8 6.3 0.050" 270.0, dT = -0.11sec																																	
890 has been reported as non-instantaneous (OCc 206). Observations are highly desired																																	
890 = NSV 2696, 4.50 to 4.61, V																																	
26	Apr	21	15	31	41.8	r	890cA0		4.6	4.6s	23+	58	29	66	178	-60S	237	238	237	+3.2	-5.7	+1.5+1.5	.368	-144.8	5	53	19.6	27	36	44	359.7	785.8	
R890 = 136 Tauri																																	
890 is double: ** 4.8 6.3 0.050" 270.0, dT = -0.11sec																																	
890 has been reported as non-instantaneous (OCc 206). Observations are highly desired																																	
890 = NSV 2696, 4.50 to 4.61, V																																	

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	o	L	B	m/o	m/o	"/s	o	sec	h	m	s	o	m	s	Mm	m/s
26	Apr	21	18	9	10.8	d			909SB9	6.0	5.9s	24+	59	5	54	243	69S	108	70	109	+3.0	-5.6	+0.9-1.6	.477	-10.3		6	1	0.5	27	34	21	360.7	848.5
									909 is triple: Aa,Ab 6.1 9.2 194.0, dT = 0.00sec : AB 6.1 12.4 9.5" 242.3, dT = -14sec																									
									909 is a close double. Observations are highly desired																									
									909 = NSV 16751, 6.04, range 0.01, 2V, Type VAR, Period 9.26012 days																									
26	Apr	21	19	13	51.1	d			77894SF2	8.8	8.4	24+	59	-5	44	259	79N	76	33	77	+3.0	-5.5	+0.9-0.9	.475	23.1		6	3	26.6	27	38	33	361.5	906.5
									77894 is triple: AB 8.9 9.6 11.5" 263.5, dT = -24sec : AC 8.9 11.1 25.6" 189.5, dT = -21sec																									
26	Apr	21	19	14	14.8	r			909SB9	6.0	5.9s	24+	59	-5	44	259	-89N	269	226	269	+3.0	-5.5	+0.8-1.3	.510	-169.8		6	1	0.5	27	34	21	361.6	909.0
									909 is triple: Aa,Ab 6.1 9.2 194.0, dT = 0.00sec : AB 6.1 12.4 9.5" 242.3, dT = -17sec																									
									909 is a close double. Observations are highly desired																									
									909 = NSV 16751, 6.04, range 0.01, 2V, Type VAR, Period 9.26012 days																									
26	Apr	21	19	27	50.5	D			77909wA0	7.6	7.6	25+	59	-6	42	262	90N	87	44	88	+3.0	-5.5	+0.7-1.3	.513	12.4		6	4	1.0	27	34	14	361.7	920.7
									77909 is double: AB 7.6 10.8 21.6" 132.5, dT = +30sec																									
26	Apr	21	21	4	44.3	D			927 G0	8.0	7.7	25+	60		28	280	86N	85	42	85	+3.0	-5.3	+0.3-1.3	.563	15.6		6	7	59.1	27	25	42	363.31029.7	
26	Apr	21	21	41	50.6	D			78041cG5	7.8	7.3	25+	61		22	286	57S	122	80	121	+3.0	-5.2	-0.2-1.8	.566	-21.5		6	9	26.6	27	11	38	363.91073.8	
									78041 is double: ** 8.6 8.6 0.040" 237.0, dT = -0.03sec																									
									78041 has been reported as non-instantaneous (OCcl052). Observations are highly desired																									
26	Apr	21	22	31	6.8	D			937 A0	8.4	8.3	26+	61		16	294	64S	115	76	115	+3.0	-5.2	-0.4-1.5	.616	-15.6		6	11	46.8	27	7	59	364.71131.4	
26	Apr	21	23	5	11.1	d	X		8587 K5	8.8	7.7	26+	61		11	300	85S	94	58	94	+3.1	-5.1	-0.3-1.2	.658	5.1		6	13	31.9	27	10	8	365.31169.7	
26	Apr	21	23	9	41.2	d			78108 F2	8.4	8.2	26+	61		11	301	24N	23	347	23	+3.1	-5.1	+1.1+0.7	.159	76.1		6	13	0.6	27	25	55	365.41175.5	
26	Apr	21	23	13	36	Gr			78108 F2	8.4	8.2	26+	61		10	**	GRAZE: CA 9.8N; Dist.109km in az. 52deg. [Lat = 53.62-0.80(E.Long-5.00)]																	
26	Apr	22	20	3	32.2	D			1085SG8	7.1	6.7	35+	73	-11	45	254	49S	136	95	131	+4.3	-4.5	+0.3-2.3	.447	-28.3		7	9	35.4	25	43	43	365.2	898.9
									1085 is triple: AB 7.2 13.0 34" 68.4, dT = +28sec : AC 7.2 7.8 125" 78.4, dT = +147sec																									
26	Apr	22	20	6	1.9	D			79124WFO	7.8	7.6	36+	73	-11	45	254	53S	132	91	127	+4.3	-4.5	+0.4-2.2	.464	-24.2		7	9	44.2	25	44	5	365.3	901.3
									79124 is double: CA 7.8 7.2 125" 258.4, dT = -158sec																									
26	Apr	22	20	17	37.7	D			79125 K2	8.4	7.7	36+	73		43	257	33S	153	111	147	+4.3	-4.5	-0.1-2.8	.364	-45.1		7	9	48.2	25	38	40	365.4	913.0
26	Apr	22	21	20	41.1	D			1094 A0	7.1	7.1	36+	74		34	270	77N	83	39	77	+4.3	-4.4	+0.6-1.3	.498	25.6		7	12	49.4	25	44	55	366.4	980.4
									R1094 = 49 Geminorum																									
26	Apr	22	21	23	10.0	D			79168 K2	8.7	8.1	36+	74		33	270	59S	127	84	121	+4.3	-4.4	+0.1-2.0	.524	-18.7		7	12	41.4	25	32	39	366.5	983.1
26	Apr	23	0	34	1.6	d	X		10934 N0	8.4	7.2v	38+	76		6	304	65S	122	88	116	+4.4	-4.0	-0.6-1.4	.637	-17.1		7	20	59.0	24	59	58	369.81195.6	
									X 10934 = BM Gem, 8.33, range 0.56, V, Type SRB, Period 286. days, Phase 0%																									
26	Apr	23	14	46	57.2	d			1208DK1	6.4		45+	84	36	47	115	62N	74	111	63	+5.9	-3.8	+1.0+1.9	.396	30.8		8	1	0.8	23	34	59	368.2	823.3
									1208 is double: AB 6.48 9.95 1.95" 325.2, dT = -1.6sec																									
									1208 is a close double. Observations are highly desired																									
26	Apr	23	20	15	47.1	D			79997 K0	8.0	7.3	47+	86		49	239	58N	70	35	59	+5.3	-3.3	+1.6-0.5	.338	45.2		8	10	54.7	22	43	43	369.1	858.0
26	Apr	23	21	43	42.4	d			1240 F5	8.8	8.5	47+	87		36	260	87N	100	59	89	+5.2	-3.2	+0.6-1.6	.506	14.9		8	13	50.6	22	16	47	370.4	940.7
26	Apr	23	22	47	48.7	d			80054 F8	8.4	8.1	48+	88		27	272	59N	72	30	61	+5.2	-3.0	+0.6-1.3	.418	41.9		8	16	5.0	22	10	15	371.51010.0	

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	
26	Apr	23	23	10	47.6	d	80064	F8	8.4	8.2	48+	88	23	276	85S	108	66	96	+5.2	-3.0	+0.1	-1.7	.571	5.8	8	16	56.6	21	55	11	371.91035.3			
26	Apr	24	0	18	11.1	d	80087	K0	7.9	7.2	49+	88	13	288	34S	159	120	147	+5.2	-2.9	-0.6	-1.9	.415	-47.4	8	18	54.5	21	29	39	373.21110.2			
26	Apr	24	20	26	45.8	D	98371	K0	8.2	7.6	58+	99	50	223	58N	75	49	60	+5.9	-1.9	+1.8	-0.5	.318	45.7	9	7	11.5	18	8	36	373.4	823.3		
26	Apr	24	21	55	43.2	D	1362p	K3	7.2	6.6	59+	100	38	247	38S	160	123	144	+5.8	-1.7	+0.0	-2.4	.379	-39.6	9	9	2.3	17	28	11	374.6	893.4		
							R1362 = 78 Cancri																											
							1362 is triple: AB 7.5 9.0 : ** 7.5 9.0 0.005" 341.0, dT = -0.01sec																											
26	Apr	25	20	28	54.3	D	1466c	B9	5.3	5.3	69+	112	48	204	42S	158	143	140	+6.2	-0.4	+0.5	-2.2	.360	-33.7	9	58	13.4	12	26	41	377.8	792.5		
							R1466 = nu Leonis																											
							1466 is double: ** 6.0 6.0 0.050"																											
							1466 has been reported as non-instantaneous (OCcl407). Observations are highly desired																											
26	Apr	25	20	33	44.1	d	98870	K2	8.7	8.1	69+	112	48	206	10S	190	174	172	+6.2	-0.4	-0.8	-4.0	.181	-65.4	9	57	44.9	12	24	40	377.8	794.7		
26	Apr	25	21	28	32.4	r	1466c	B9	5.3	5.3	69+	112	43	224	-71S	271	245	252	+6.1	-0.3	+1.4	-1.1	.375	-146.5	9	58	13.4	12	26	41	378.4	825.5		
							R1466 = nu Leonis																											
							1466 is double: ** 6.0 6.0 0.050"																											
							1466 has been reported as non-instantaneous (OCcl407). Observations are highly desired																											
26	Apr	25	22	29	36.1	D	98906	K0	7.8	7.3	69+	113	36	240	55N	75	42	57	+6.0	-0.2	+1.4	-1.2	.315	48.2	10	1	55.9	12	14	45	379.1	868.6		
26	Apr	25	23	55	41.3	D	1476	A0	7.1	7.1v	70+	113	23	258	69S	131	93	112	+5.9	+0.0	+0.2	-2.0	.505	-10.0	10	4	8.4	11	37	43	380.6	946.7		
							1476 = GM Leo, 7.139, range 0.02, 6w, Type DSCTC, Period 0.043988 days, Phase 77%																											
26	Apr	26	19	15	46.3	d	118476	PF8	8.2	7.9	78+	124	-4	44	162	72S	129	141	109	+6.4	+1.0	+1.1	-0.8	.416	-3.2	10	45	18.9	6	57	39	382.0	771.8	
							118476 is double: ** 8.9 8.9 0.10" 90.0, dT = +0.19sec																											
							118476 has been reported as non-instantaneous (OCcl419). Observations are highly desired																											
26	Apr	26	21	19	43.9	D	1573p	A2	7.1	7.0	78+	124	42	204	23S	178	164	157	+6.1	+1.2	+0.0	-2.6	.266	-51.1	10	47	19.2	6	20	46	382.5	786.8		
							R1573 = 38 (Sextantis)/Leonis																											