

Nr.	Design.	Star	Type	T _{obs}	0-C	n	Obs.	Remarks
24029	2308+527	RT And	p	46988.4186	+0.0008	6	RD	
24030	0000+325	TW And	p	46981.461	-0.024	7	KL	
24031	0041+306	UU And	p	47005.485	+0.021	7	KL	
24032	0153+418	XZ And	p	47007.472	-0.012	6	KL	
24033	2309+366	AB And	s	46987.5111	+0.0006	8	RD	
24034	0008+418	DO And	s	46976.497	-0.057	4	KL	
24035	0139+445	EP And	s	46988.566	-0.001	6	KL	
24036	2337+474	EX And	p	46977.512	+0.002	7	KL	
24037	0209+444	GZ And	p	46987.537	+0.007	6	KL	
24038	2204-209	AT Aqr	p	47004.561	-0.001	7	KL	
24039	2233-009	CX Aqr	p	46999.506	+0.005	6	KL	
24040	2319-162	CZ Aqr	p	47010.553	-0.013	9	KL	
24041	2126-072	EI Aqr	p	46997.536	+0.469	7	KL	
24042	1901+027	FK Aql	p	46939.524	-0.029	10	KL	
24043	1936+064	LT Aql	p	46987.452	+0.053	6	KL	
24044	1945+091	OO Aql	p	46987.409	+0.014	8	GM	
24045			p	46988.409	+0.001	5	RD	
24046	1936+126	V343 Aql	p	47007.486	-0.016	6	KL	
24047	2007+102	V346 Aql	p	46973.357	+0.000	8	GM	
24048			p	46974.468	+0.005	9	GM	
24049	1934+038	V418 Aql	p	47005.525	-0.074	10	KL	
24050	1847+106	V479 Aql	p	46949.414	-0.017	6	KL	
24051	1935+106	V640 Aql	p	46997.388	-0.020	6	KL	
24052	1958+085	V760 Aql	p	46977.437	+0.004	7	KL	
24053	1958+142	V761 Aql	p	46975.540	+0.075	8	KL	
24054	1858-075	V803 Aql	s	47007.420	+0.001	7	KL	
24055	1908+120	V917 Aql	p	46974.573	+0.035	6	KL	
24056	1909+043	NSV11802 Aql	p	46988.4458	-0.2195	7	RD	elem. Per. Zv. 7, 256
24057	0544+430	IY Aur	p	46876.260	-0.032	5	GM	
24058	1402+302	TU Boo	p	46938.403	-0.017	5	KL	
24059	1415+127	VW Boo	s	46952.399	+0.021	9	GM	
24060			s	46962.317	+0.012	4	GM	
24061			s	46963.359	+0.027	7	GM	
24062			s	46964.374	+0.016	6	GM	
24063	1454+465	AC Boo	p	46923.309	+0.055	6	GM	
24064			s	46973.367	+0.068	10	GM	
24065	1432+248	AD Boo	p	46963.339	+0.016	7	GM	
24066	0734+761	Y Cam	p	46925.443	+0.071	6	KL	
24067	0630+823	SV Cam	p	46884.306	+0.016	6	GM	
24068	0906+306	WW Cnc	p	46908.415	-0.286	8	HP	
24069	0843+330	WX Cnc	p	46923.320	-0.004	7	GM	
24070	0858+268	WY Cnc	p	46884.309	+0.005	10	GM	
24071			p	46952.316	+0.004	5	GM	
24072	1308+362	RS Cyg	p	46925.486	-0.393	12	RD	see this Bulletin page 6
24073	1354+289	YZ Cyg	p	46976.457	0.000	6	KL	
24074	0804+020	YY CMI	p	46879.330	+0.035	8	GM	
24075	2304+538	IR Cas	p	46997.494	+0.015	8	KL	
24076	0048+585	KL Cas	p	46976.512	+0.002	6	KL	
24077	0101+538	KT Cas	p	46987.535	-0.122	6	KL	
24078	0045+605	OR Cas	p	46999.538	+0.001	5	KL	
24079	2324+564	V355 Cas	p	46987.525	-0.043	6	KL	
24080	0037+499	V523 Cas	s	46982.546	+0.015	6	KL	
24081	0057+816	U Cep	p	46917.502	+0.025	8	KL	
24082			p	46957.399	+0.033	11	EBl	
24083	2145+570	SU Cep	p	46903.541	-0.009	6	EBl	
24084			p	46987.380	-0.001	9	GM	
24085	2243+678	ZZ Cep	p	46973.347	+0.010	7	GM	
24086	2225+659	BR Cep	p	46917.497	-0.009	10	KL	
24087	2320+650	CM Cep	p	46990.472	-0.024	7	KL	
24088	2017+766	EG Cep	p	46957.344	-0.004	11	GM	
24089			p	46963.344	+0.005	7	GM	
24090	2024+614	HI Cep	p	46974.397	+0.048	4	KL	elem. BBSAG Bul. 81, 6
24091	2109+575	IO Cep	p	47002.411	+0.020	5	KL	

24159	1715+331	u Her	s	46925,447	+0,012	10	RD
24160	0932+055	AV Hya	p	46907,374	-0,010	14	APs
24161	1022-188	HS Hya	s	46923,295	+0,183	6	GM
24162	2212+496	TZ Lac	p	46974,404	+0,274	4	KL
24163	2238+380	VX Lac	p	46975,503	-0,005	8	HP
24164	0933+264	Y Leo	p	46908,412	-0,006	9	HP
24165	1049-048	TY Leo	p	46907,404	-0,017	18	APs
24166	1035+145	UV Leo	p	46889,328	+0,008	7	GM
24167			p	46943,332	+0,004	9	GM
24168			p	46952,336	+0,007	8	GM
24169			p	46970,325	-0,007	7	GM
24170	0958+176	XY Leo	p	46892,425	-0,002	12	APs
24171			s	46903,36	-0,00	10	APs
24172	0959+172	XZ Leo	s	46892,412	+0,017	12	APs
24173			s	46903,375	-0,007	11	APs
24174	1059+101	AM Leo	p	46894,276	-0,021	6	GM
24175			p	46903,43	-0,01	12	APs
24176			p	46906,361	-0,008	8	GM
24177	1102+054	AP Leo	s	46892,43	+0,00	14	APs
24178			p	46903,402	-0,001	13	APs
24179	0804+419	SW Lyn	p	46894,309	+0,024	7	GM
24180			p	46903,324	+0,022	10	GM
24181			p	46941,315	+0,014	7	GM
24182	1814+410	TZ Lyr	p	46941,488	-0,006	12	HP
24183			p	46976,389	-0,008	8	HP
24184	1919+378	UZ Lyr	p	46914,575	+0,014	8	RG
24185	1915+328	BV Lyr	p	46938,426	+0,008	5	KL
24186	1909+365	FH Lyr	p	46946,556	-0,019	4	KL
24187	1908+278	QZ Lyr	p	46932,516	-0,012	6	KL
24188	1913+337	NV Lyr	p	46957,544	-0,013	4	KL
24189	1732+072	RV Oph	p	46975,524	-0,005	10	HP
24190	1728+106	V449 Oph	p	46952,375	+0,014	6	KL
24191	1816+142	V501 Oph	p	46976,463	+0,024	9	HP
24192	1756+135	V508 Oph	s	46914,610	+0,015	7	RG
24193			s	46924,600	+0,009	6	KL
24194			s	46939,434	+0,013	7	EBI
24195			p	46973,392	+0,009	10	GM
24196			p	46974,450	+0,007	10	GM
24197	1754+049	V566 Oph	p	46988,397	+0,012	5	RD
24198	1824+042	V586 Oph	p	46949,399	+0,003	6	KL
24199	1834+104	V636 Oph	p	46952,490	+0,005	8	KL
24200	1752+141	V913 Oph	p	46946,574	+0,007	6	KL
24201	1820+040	V916 Oph	p	46952,462	+0,042	6	KL
24202	1646-155	V1010 Oph	p	46924,490	+0,005	8	APs
24203	1613-052	V1016 Oph	p	46932,382	-0,003	7	KL
24204			s	46932,586	-0,003	5	KL
24205			p	46938,492	-0,001	5	KL
24206			s	46939,518	+0,007	6	KL
24207			s	46941,539	-0,008	6	KL
24208			s	46946,430	-0,003	9	KL
24209			s	46948,463	-0,006	6	KL
24210			p	46952,345	+0,007	6	KL
24211			s	46972,485	-0,009	8	KL
24212			s	46974,525	-0,005	8	KL
24213			p	46987,360	+0,003	6	KL
24214			s	46990,387	-0,024	6	KL
24215			p	47004,393	-0,067	10	KL
24216	0620+139	CQ Ori	p	46826,418	+0,019	20	APs
24217	0508-086	ER Ori	p	46825,337	+0,009	13	APs
24218	0538+025	FZ Ori	p	46804,355	-0,010	14	APs
24219			s	46821,370	+0,005	15	APs
24220	2327+132	TY Peg	p	46982,522	-0,018	7	KL
24221	2125+047	BN Peg	p	46997,513	+0,003	7	KL
24222	0405+464	XZ Per	p	47001,557	+0,022	6	KL
24223	0156+529	KW Per	p	47008,464	-0,012	9	KL
24224	2206-273	RW Psa	p	46997,555	-0,031	7	KL
24225	1756-173	WX Sgr	p	46998,358	-0,027	8	KL
24226	1911-142	EG Sgr	p	46974,378	-0,021	5	KL
24227	0033-259	RT Scl	p	47010,572	-0,008	10	KL
24228	1846-103	RS Sct	p	47000,464	+0,002	5	KL
24229	1841-052	EZ Sct	p	46998,340	-0,253	6	KL
24230	1739-138	AK Ser	p	46974,512	+0,005	7	KL
24231	1556+173	A0 Ser	p	46975,471	+0,017	11	HP
24232	1534+190	LX Ser	p	47003,329	+0,001	10	KL

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Nr.	Design.	Star	Type	T _{obs}	O-C	n	Obs.
24233	1554+224	AU Ser	s	46908,333	+0,003	8	EB1
24234			p	46939,438	-0,005	8	HP
24235			p	46939,439	-0,004	7	EB1
24236			p	46946,397	-0,003	10	EB1
24237	0344+249	AH Tau	s	46862,378	-0,049	6	EB1
24238			s	46876,345	-0,055	5	EB1
24239			s	46892,317	-0,051	7	EB1
24240	0345+221	EQ Tau	s	46821,325	+0,006	9	EB1
24241			p	46825,249	+0,005	6	EB1
24242	0222+278	RW Tri	p	47008,532	-0,002	12	KL
24243	0940+561	W UMa	p	<u>46925,4555</u>	<u>-0,0069</u>	11	RD
24244	1206+563	TY UMa	p	46825,392	+0,036	8	EB1
24245			p	46903,393	+0,039	7	EB1
24246			p	46908,350	+0,032	7	EB1
24247	1334+521	UX UMa	p	46941,483	0,000	4	KL
24248	0934+562	VV UMa	p	46903,461	+0,002	6	EB1
24249			p	46914,447	-0,010	11	HP
24250			p	46943,319	-0,008	7	GM
24251	0906+547	XY UMa	s	46941,337	+0,006	9	GM
24252			p	46952,359	+0,012	9	GM
24253	1026+620	ZZ UMa	p	46976,425	-0,011	10	HP
24254	1042+525	BH UMa	s	46861,374	+0,008	8	EB1
24255	1337+700	RU UMi	p	46945,331	-0,004	11	GM
24256	1312+172	UW Vir	p	46938,433	-0,010	10	HP
24257	1402-099	VV Vir	p	46939,460	-0,013	6	KL
24258	2030+246	AX Vul	p	46975,411	-0,010	6	KL
24259	1954+237	BO Vul	p	46987,505	+0,022	7	KL
24260	2023+208	BP Vul	p	46973,428	+0,005	11	GM
24261	2023+262	CD Vul	p	46990,457	+0,002	6	KL
24262	1934+266	FR Vul	p	46952,406	-0,016	8	GM
24263			p	46966,482	-0,067	6	GM
24264	1944+287	GP Vul	p	46990,452	-0,019	6	KL

The Amplitude of DK Herculis

The GCVS 1985 gives the magnitudes of DK Her as 10^m.5 at maximum and 11^m at minimum, without decimal digits. I have found the amplitude to be significantly larger than 0^m.5 and would like to recommend DK Her to visual observers.

A Paschke

RS Canum Venaticorum : Note on the minimum reported in this Bulletin

On page 2 of this issue, the photoelectrically observed minimum no. 24072 of RS CVn is reported. Due to steadily worsening sky-conditions, the observations had to be terminated before the third contact took place. The reported minimum is therefore deduced from the time of second contact ($2446925.4072 + .002 \text{ JD}_{\text{hel}}$) and the duration of totality stated in the GCVS ($d = 0^{\text{d}}1583$).

R. Diethelm

V 418 Aquilae : The Duration and Brightness of the Totality

are stated ZERO and $>16^{\text{mpg}}$ in the GCVS 1985, respectively, and somewhat inconsistent therefore. My visual surveys of the minima JD 2447005 and 2447023 yield a d value of almost 2 hours, i.e.

$$d/p = .034 \pm .003 \quad \text{and} \quad m_v \text{ min.} = 15.7 \pm .2$$

K. Locher

NSV 11987 Draconis : The more accurate Period

From the about 40 minima observed by D.P.Elias and the writer since the discovery of the period (see BBSAG Bulletin 72, p. 4), R.Diethelm calculated a least square solution to obtain the more reliable elements

$$\text{JD}_{\text{hel min.}} = 2447008.3611 + 1.226359 E$$

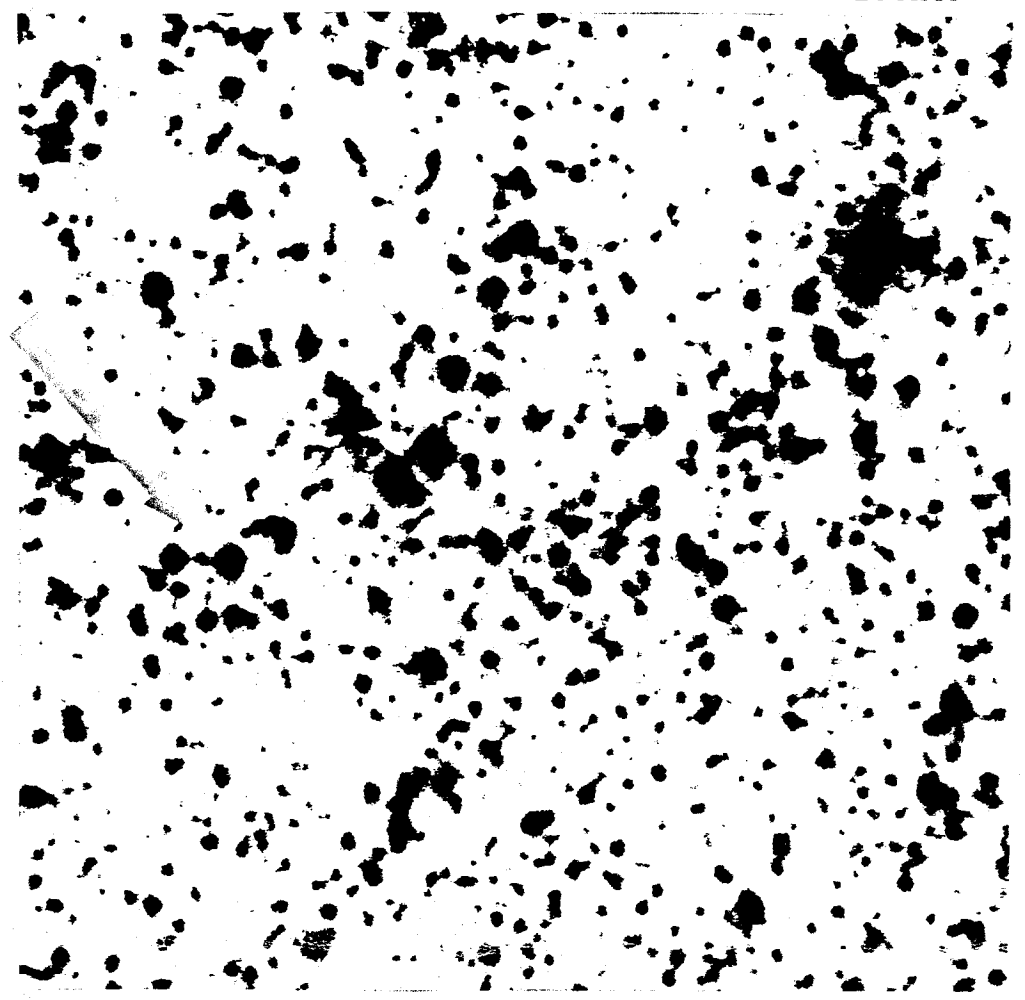
K. Locher

To help observers identify stars at minimum light near 15th magnitude, we sporadically give amply magnified sections of the Palomar Blue Sky Survey, with north at top and scale 18 mm/".

K.Locher

1) LP Her

no SAO star inside, next outside is 104245, at right bottom



SAO 103904

2) V 636 Oph

