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PHOTOELECTRIC PHOTOMETRY OF CEPHEID
VARIABLE STARS

R. I. MITCHELL, B. IRIARTE, D. STEINMETZ AND H. L. JOHNSON

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PHOTOELECTRIC PHOTOMETRY OF CEPHEID VARIABLE STARS

R. I. Mitchell,* B. Iriarte, D. Steinmetz* and H. A. Johnson*

RESUMEN

En este trabajo presentamos un catálogo de aproximadamente 10,000 observaciones fotoeléctricas de estrellas variables del tipo Cefeida, que es el resultado de nuestras propias observaciones y de datos obtenidos de las publicaciones de otros observadores. Este es el primer catálogo que contiene información en UBV para Cefeidas en toda la Vía Láctea. El catálogo contiene datos para más de 300 estrellas; de éstas, aproximadamente 230 pueden ser consideradas como "bien observadas".

Como una ilustración de los datos contenidos en nuestro catálogo, proporcionamos gráficas para 93 estrellas.

ABSTRACT

We present here a catalogue of approximately 10,000 photoelectric observations of Cepheid variable stars, from our own work and from data transformed from the publications of other observers. This is the first catalogue which contains UBV data for Cepheids all around the Milky Way. The catalogue contains data on more than 300 stars; of these approximately 230 can be classed as "well-observed".

As an illustration of the data contained in our catalogue, we show graphs for 93 stars.

I. Introduction

There have now been published many photoelectric observations on Cepheid variable stars. Among these data are observations made in both the Northern and Southern Hemispheres, and analysis of the data for these stars should provide us with perhaps the best information about galactic rotation that we can obtain at the present time. Unfortunately, however, the published data are on several photometric systems and it has been found that the problems of comparison between the several series of observations, both Southern and Northern, are a serious contretemps in the analysis. In an effort to ameliorate this exigency, we have made new UBV photoelectric observations on many of the Cepheid stars in the published lists. These data permit us to make accurate transformations of the previously published data to the UBV system. In addition, we have made observations on a number of important stars that were not included in any of the published catalogues, or which were not adequately observed prior to our work. We have added approximately 2,000 observations.

II. Reduction Procedures

Since we have observed Cepheid stars in common with all the published lists, we are in a position to make the transformations to the UBV system based upon the Cepheids, themselves; it is not necessary for us to assume that transformations based on other kinds of stars are valid for these. We have found it convenient, however, to assume that transformations based upon other stars are approximately valid also for the Cepheids, thus reducing the size of the corrections to the Standard System. The corrections for individual stars were determined by superposition of plots of the published data, and ours; only stars with well-determined light curves in both lists were used for this purpose.

There are 16 stars, whose data meet our requirements, in common with our work and that of Weaver, Steinmetz and Mitchell (1961). Almost all of the residuals in V and $B-V$ are zero (exceptions are RZ Gem and UX Per, both with $\Delta(B-V) = +0.02$ mag. The average residual in $U-B$ is ± 0.002 (p. e.) mag., from 14 stars. (The $U-B$ residual for AP Cas has been rejected since the Lowell data are suspect.) Since no significant differences were found between our data and that of Weaver, et al, these two lists together have been adopted as the definition of the Standard System for the Cepheids.

Of the 51 Cepheids observed by Oosterhoff (1960), 27 have been compared with the Standard System. The corrections are:

$$\begin{aligned} V &= V_0 \pm 0.012 \pm 0.002 \text{ (p. e.) mag.} \\ B-V &= (B-V)_0 \pm 0.017 \pm 0.002 \text{ (p. e.) mag.} \\ U-V &= (U-B)_0 \pm 0.033 \pm 0.001 \text{ (p. e.) mag.} \end{aligned}$$

In the list of BV photometry by Bahner, Hiltner and Kraft (1962), there are 29 stars which we have compared with the Standard System. The corrections are:

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$$V = V_{\text{std}} + 0.006 \pm 0.001 \text{ (p. e.) mag.}$$

$$B-V = B-V_{\text{std}} - 0.024 \pm 0.002 \text{ (p. e.) mag.}$$

Our transformation differs from that given by Bahner, et al. for their comparison with the data of Weaver, et al. Fourteen additional stars have been included in our determination.

We have selected 19 stars from Irwin's (1961) data, for comparison with the Standard System. The sample contains stars as far south as declination -35° and includes stars from both ends of the Milky Way that can be observed from the Northern Hemisphere. The corrections are:

$$V = V_i + 0.011 \pm 0.004 \text{ (p. e.) mag.}$$

$$B-V = (B-V)_i + 0.017 \pm 0.004 \text{ (p. e.) mag.}$$

The transformation of Irwin's (U-B)_i colors to the U-B system is poorly defined by the Cepheid data. For these data, the comparison method was modified in the sense that the maximum of the light curve was compared with the Standard System maximum and the minimum, with the Standard System minimum. The problem was complicated by the inhomogeneity of the data, due to the difference between Irwin's refractor and reflector observations. The two transformations are:

$$U-B = -1.666 + 0.533 (B-V)_i + 0.618 (U-B)_i \text{ (Cape refractor),}$$

$$U-B = -2.347 + 0.055 (B-V)_i + 1.502 (U-B)_i \text{ (Ridcliff reflector).}$$

These transformations are uncertain, but they are the best we were able to obtain from the data.

The transformations from the data of Walraven, Muller and Oosterhoff (1958) to the Standard System are:

$$V = 10.651 - 2.495 \log L - 0.0772 \Delta \log L$$

$$B-V = 1.229 - 2.301 \Delta \log L$$

Because of the early epoch of Eggen's observations, they are still valuable even though UB data are available for all 33 stars in his list. Eggen's data were first transformed by the equations given by Sandage (1960), and then compared graphically with the Standard System. We had considerable difficulty with the transformations for these data and finally decided upon the following equations:

$$V = -0.087 - 1.016 C_p + 1.029 P_p + (0.129 - 0.099 C_p) \log p \text{ (days),}$$

$$B-V = -0.079 + 1.167 C_p + 0.0109 P_p + (0.111 - 0.115 C_p) \log p \text{ (days).}$$

Five of the stars, FN Aql, SU Cyg, ζ Gem, Z Lac, and W Sgr, deviate somewhat in amplitude and shape of the light curve from the BV curves, even after application of this transformation.

Twenty-six Cepheids from the list of Eggen, Gascoigne and Burr (1957) were compared with the Standard System. The following transformations were determined:

$$V = V_r + 0.042,$$

$$B-V = + 0.155 + 0.9638 (P-V)$$

No corrections were applied to the UB data reported by other authors except for BL Her, for which the V data by Abt and Hardie (1950) were corrected by $+ 0.05$ mag., and for U Sgr, for which the data by Sandage (1960) were corrected as follows: $V = V_r - 0.04$, $B-V = (B-V)_r - 0.01$, $U-B = (U-B)_r - 0.04$. The corrections for U Sgr were derived from a comparison of Sandage's data on the cluster, M25, with that of Johnson (1960).

III. The catalogue

The catalogue is divided into two tables. Table 1 contains the well-observed stars. Table 2 contains unconfirmed data, i. e., those stars for which the range in phase does not cover enough of the light curve to confirm that light and color change appropriately.

In the catalogue, the stars are ordered alphabetically by the abbreviation of the constellation name. The columns give the Julian Day, Cycles [Cycles + Phase = (J. D. - 2430060)/P], the V magnitude, B-V, U-B and, in the last column, the number of the reference in the list of references at the end of the tables. A minus sign in the "RF" column indicates the original author gave lower weight to these observations (if a U-B observation is given, it is the U-B which is in doubt). The periods were taken from Kukarkin, et. al. (1958).

TABLE I
THE GENFIELD PHOTOMETRY

T ANT						T ANT CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4562.210	771.974	9.75	0.87		7	7656.913	1235.630	9.44	0.83	0.48	1
4575.194	774.171	9.91	0.51		-7	7661.839	1296.463	9.29	0.75	0.42	1
4575.217	774.851	9.82	0.98		-7	7663.858	1296.805	9.87	0.73	0.61	1
4835.393	817.861	9.75	0.94		7						
4906.324	830.201	9.10	0.69		7						
						7 AQL HD 187929					
4917.275	832.054	8.92	0.51		7	J.D.	CYCLES	V	B-V	U-B	RF
5163.404	873.702	9.67	0.95	0.68	5	2774.858	385.651	4.06	0.63		8
5177.387	876.068	8.92	0.59	0.33	-5	2777.802	387.062	3.79	0.79		8
5185.466	877.435	9.38	0.85	0.58	5	2778.792	387.200	3.97	0.84		8
5194.487	878.962	8.93	0.49		7	2789.840	388.739	3.71	0.68		8
5208.398	881.315	9.29	0.83	0.54	5	2790.836	388.878	3.57	0.64		8
5224.389	884.021	8.95	0.51		7						
5238.336	886.381	9.37	0.82	0.55	5	2791.940	389.018	3.77	0.79		8
5246.290	887.727	9.76	0.93	0.67	-5	2792.830	389.156	3.79	0.81		8
5256.291	889.419	9.41	0.83	0.58	5	2841.658	395.959	3.66	0.71		8
5257.279	889.587	9.59	0.93	0.66	5	3102.828	432.351	4.10	1.02		8
5267.256	891.275	9.30	0.79	0.54	5	3103.821	432.489	4.29	1.03		8
5275.214	892.621	9.69	0.94	0.57	6						
5292.226	895.500	9.52	0.90	0.61	5	3116.852	434.305	4.02	0.98		8
5532.515	936.159	9.41	0.76		7	3131.803	436.388	4.12	1.01		8
5535.449	936.656	9.75	0.91		7	3132.733	436.518	4.29	1.02		8
5555.474	940.044	9.12	0.63		7	3133.750	436.660	4.08	0.79		8
5568.423	942.235	9.37	0.80		7	3134.792	436.805	3.51	0.59		8
5573.448	943.086	9.23	0.70		7						
5574.337	943.236	9.38	0.82		7	3136.803	437.085	3.77	0.80		8
5580.362	944.256	9.40	0.81		7	3137.758	437.218	3.96	0.89		8
5595.350	946.792	9.16	0.67		7	3152.774	439.311	4.04	0.97		8
5608.368	948.984	9.07	0.62		7	3153.778	439.450	4.20	1.02		8
5609.335	949.158	9.33	0.78		7	3154.796	439.592	4.22	0.95		8
5611.324	949.495	9.73	0.91		7						
5612.292	949.659	9.73	0.86		7	3158.708	440.137	3.82	0.78		8
5616.294	950.336	9.46	0.84		7	3159.729	440.280	3.99	0.94		8
5619.274	950.840	8.90	0.51		-7	3178.680	442.920	3.60	0.68		8
5620.265	951.008	9.11	0.63		7	3179.678	443.059	3.75	0.81		8
5622.228	951.340	9.46	0.85		7	3180.677	443.199	3.93	0.89		8
5623.310	951.523	9.71	0.90		7						
5624.217	951.676	9.68	0.84		7	3200.655	445.982	3.82	0.74		8
5626.229	952.017	9.14	0.66		7	3206.660	446.819	3.51	0.61		8
5627.220	952.185	9.34	0.80		7	5242.649	730.516	4.32	1.03	0.79	5
5629.240	952.526	9.74	0.92		7	5256.602	732.460	4.28	1.04	0.81	5
5630.280	952.702	9.55	0.77		7	5292.507	737.463	4.32	1.04	0.81	5
5631.262	952.869	8.93	0.51		7						
5632.210	953.029	9.15	0.67		7	5302.531	738.860	3.50	0.62		7
5634.200	953.366	9.55	0.87		7	5304.470	739.130	3.79	0.83	0.58	6
5636.205	953.705	9.51	0.76		7	5305.405	739.260	4.05	0.95	0.69	6
5637.254	953.882	8.96	0.54		7	5306.417	739.401	4.19	1.02	0.77	6
5638.235	954.043	9.11	0.70		7	5309.414	739.819	3.51	0.62	0.36	6
5639.192	954.210	9.44	0.83		7						
5640.207	954.382	9.57	0.88		7	5310.426	739.960	3.66	0.74	0.47	6
5641.200	954.550	9.70	0.94		7	5315.495	740.666	3.97	0.85		7
5642.194	954.718	9.72	0.80		-7	5331.442	742.388	3.51	0.62		7
5643.270	954.900	9.00	0.53		7	5348.329	745.241	3.95	0.91		7
5644.214	955.060	9.19	0.71		7	5652.406	787.612	4.16	0.93		7
5647.195	955.565	9.75	0.92		7						
7626.952	1290.560	9.34	0.82	0.64	1	5654.379	787.887	3.53	0.62		7
7653.940	1293.127	8.89	0.50	0.26	1	5660.596	788.753	3.63	0.68		7
7654.205	1295.290	9.04	0.62	0.36	1	5661.643	788.871	3.55	0.63		7
						5668.489	789.853	3.50	0.58		7
						5681.384	791.650	4.07	0.84		7
						5682.349	791.784	2.82	0.60		-7
						7147.780	995.979	3.68	0.75	0.45	1
						7148.819	996.123	3.80	0.81	0.52	1
						7149.833	996.265	4.03	0.94	0.65	1
						7206.711	1004.190	3.83	0.83	0.59	1

TABLE 1 (continued)

7 AQL MD 187929 CONT.						U AQL CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7213.729	1005.168	3.73	0.86	0.56	1	7213.674	1027.014	6.38	1.02	0.70	1
7215.631	1005.433	4.18	1.04	0.76	1	7221.635	1028.147	6.38	1.03	0.72	1
7233.621	1007.940	3.65	0.68	0.43	1	7451.908	1060.931	6.23	0.99	0.66	1
7237.606	1008.495	4.30	1.03	0.76	1	7469.903	1063.493	6.89	1.24	0.94	1
7239.592	1008.772	3.63	0.63	0.38	1	7522.814	1071.026	6.46	1.08	0.80	1
7516.821	1047.401	4.21	1.03	0.77	1	SZ AQL					
7518.816	1047.679	3.97	0.82	0.51	1	J.D.	CYCLES	V	B-V	U-B	RF
7521.810	1048.096	3.79	0.83	0.54	1	3087.903	180.179	9.06	1.78		8
7522.835	1048.239	4.05	0.92	0.69	1	3089.929	180.298	9.19	1.76		8
7541.740	1050.873	3.51	0.63	0.45	1	3090.885	180.353	9.18	1.72		8
7542.724	1051.010	3.74	0.78	0.53	1	3091.847	180.410	9.09	1.57		8
U AQL						3092.890	180.470	8.95	1.52		8
J.D.	CYCLES	V	B-V	U-B	RF	3093.875	180.528	8.89	1.46		8
2762.740	393.333	6.78	1.21		8	3094.892	180.587	7.97	1.05		8
2764.753	393.618	6.71	1.08		8	3095.872	180.644	8.12	1.13		8
2765.750	393.761	6.20	0.85		8	3096.868	180.703	8.20	1.20		8
2766.821	393.914	6.23	0.97		8	3101.833	180.992	8.69	1.64		8
2771.746	394.615	6.76	1.08		8	3145.757	183.555	8.56	1.23		8
2772.781	394.762	6.16	0.86		8	3146.740	183.613	7.99	1.05		8
2773.769	394.903	6.22	0.93		8	3147.750	183.671	8.16	1.15		8
3087.927	439.630	6.65	1.05		8	3148.753	183.730	8.23	1.26		8
3091.917	440.198	6.63	1.12		8	3152.710	183.961	8.61	1.59		8
3092.913	440.339	6.76	1.20		8	3153.722	184.020	8.74	1.63		8
3093.899	440.480	6.87	1.25		8	3154.719	184.078	8.85	1.70		8
3094.910	440.624	6.65	1.11		8	4980.408	290.607	7.94	1.04		7
3095.896	440.764	6.15	0.85		8	5358.343	312.660	8.10	1.17		7
3096.882	440.905	6.27	0.92		8	5646.526	329.475	8.95	1.57		7
3098.892	441.191	6.59	1.13		8	5647.398	329.526	8.89	1.52		7
3101.839	441.610	6.73	1.12		8	5665.397	330.576	8.06	1.10		7
3151.736	448.714	6.36	0.89		8	5681.375	331.509	8.92	1.51		7
3152.771	448.861	6.20	0.85		8	7056.934	411.773	3.36	1.39	1.03	1
3193.774	449.004	6.36	1.02		8	7094.928	413.990	8.72	1.66	1.45	1
3158.715	449.708	6.42	0.90		8	7100.940	414.340	9.18	1.74	1.65	1
4572.568	650.999	6.60	1.03		7	7118.837	415.385	9.07	1.64	1.35	1
4574.578	651.285	6.65	1.19		7	7131.835	416.143	8.99	1.75	1.61	1
4907.496	698.682	6.46	1.02		7	7147.701	417.069	8.89	1.74	1.56	1
4922.559	700.927	6.09	0.85		7	7148.754	417.130	8.98	1.76	1.63	1
5242.644	746.398	5.77	1.22	0.93	5	7149.788	417.191	9.07	1.79	1.77	1
5255.622	748.388	6.78	1.22	0.93	5	7214.635	420.975	8.72	1.61	1.38	1
5292.519	751.498	6.91	1.24	0.95	5	7220.611	421.323	9.15	1.73	1.60	1
5302.500	754.919	6.21	0.95		7	7469.850	435.837	8.52	1.50	1.26	1
5304.398	755.190	6.49	1.12	0.82	6	7518.807	438.723	8.24	1.28	1.01	1
5305.412	755.334	6.69	1.20	0.90	6	7522.784	438.955	8.69	1.62	1.43	1
5306.352	755.468	6.84	1.24	0.95	6	TT AQL					
5309.456	755.910	6.23	0.96	0.65	6	J.D.	CYCLES	V	B-V	U-B	RF
5310.355	756.038	6.40	1.03	0.74	6	3087.909	224.503	7.21	1.51		8
5315.484	756.768	6.09	0.87		7	3090.892	224.720	7.53	1.63		8
5370.320	764.575	6.78	1.19		7	3091.855	224.790	7.65	1.57		8
7118.887	1013.519	6.84	1.25	0.89	1	3092.896	224.866	7.45	1.45		8
7147.754	1017.629	3.65	1.11	0.67	1	3093.882	224.938	7.29	1.35		8
7148.813	1017.780	6.07	0.85	0.53	1	3094.899	225.012	7.19	1.30		8
7149.826	1017.924	6.24	0.96	0.63	1	3095.875	225.083	6.46	0.98		8
7186.687	1023.172	6.43	1.10	0.76	1	3096.870	225.155	6.63	1.04		8
7202.640	1025.443	6.82	1.24	0.92	1						
7203.704	1025.594	6.78	1.15	0.81	1						

TABLE 1 (continued)

TT AQL						FF AQL					
CONT.						CCNT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
3101.828	225.515	7.26	1.52		8	2773.760	620.395	5.27	0.71		8
3145.760	228.709	7.60	1.61		8	2774.823	620.633	5.44	0.83		8
3146.742	228.781	7.60	1.56		8	3102.815	693.993	5.49	0.79		8
3148.758	228.927	7.29	1.35		8	3103.811	694.216	5.20	0.70		8
3152.719	229.215	6.68	1.14		8	3132.708	700.679	5.50	0.81		1
3153.729	229.289	6.83	1.26		8	3134.771	701.141	5.51	0.71		8
3154.726	229.361	6.92	1.36		8	3136.729	701.579	5.43	0.81		8
4980.416	362.096	6.55	0.96		7	3158.674	706.487	5.38	0.75		8
5238.695	380.874	7.48	1.43	1.10	5	3159.680	706.712	5.50	0.83		8
5242.631	381.160	6.72	1.09	0.75	5	5238.650	1171.706	5.50	0.84	0.58	5
5256.599	382.176	6.74	1.10	0.77	5	5242.613	1172.593	5.46	0.84	0.56	5
5292.464	384.783	7.70	1.55	1.30	5	5256.575	1175.715	5.52	0.85	0.58	5
5304.410	385.652	7.54	1.57	1.37	6	5292.470	1183.744	5.53	0.87	0.59	5
5305.424	385.726	7.66	1.58	1.40	6	5305.446	1186.646	5.50	0.86	0.61	6
5306.412	385.797	7.67	1.55	1.31	6	5306.387	1186.857	5.53	0.86	0.58	6
5309.411	386.016	7.28	1.28	0.95	6	5309.380	1187.526	5.41	0.81	0.55	6
5310.422	386.089	6.55	0.97	0.47	6	5310.397	1187.754	5.54	0.86	0.58	6
5364.284	390.005	7.31	1.32		7	5358.304	1198.469	5.33	0.76		7
5365.316	390.080	6.61	0.97		7	5365.293	1200.032	5.39	0.77		7
5643.401	410.298	6.94	1.29		7	5370.308	1201.154	5.24	0.71		7
5654.333	411.093	6.53	0.96		7	5612.521	1255.328	5.22	0.69		7
5655.478	411.176	6.73	1.12		7	5621.469	1257.330	5.22	0.71		7
5668.464	412.120	6.57	1.00		7	5625.557	1258.244	5.19	0.66		-7
5669.442	412.191	6.75	1.11		7	5626.482	1258.451	5.31	0.74		7
5683.410	413.207	6.73	1.14		7	5629.555	1259.138	5.29	0.70		7
7093.903	515.755	7.64	1.64	1.48	1	7048.958	1576.610	5.43	0.82	0.55	1
7118.842	517.568	7.38	1.55	1.39	1	7051.911	1577.270	5.19	0.73	0.42	1
7131.361	518.515	7.28	1.51	1.30	1	7052.863	1577.483	5.38	0.78	0.51	1
7133.847	518.659	7.53	1.64	1.43	1	7054.824	1577.922	5.47	0.86	0.49	1
7147.726	519.668	7.57	1.63	1.47	1	7091.936	1586.223	5.27	0.70	0.48	1
7143.793	519.746	7.64	1.62	1.46	1	7093.879	1586.657	5.48	0.84	0.56	1
7149.807	519.820	7.61	1.54	1.35	1	7094.915	1586.882	5.51	0.84	0.54	1
7178.688	521.919	7.32	1.39	1.00	1	7100.926	1588.233	5.18	0.71	0.46	1
7186.659	522.500	7.18	1.50	1.29	1	7102.935	1588.683	5.49	0.84	0.55	1
7188.701	522.647	7.50	1.62	1.47	1	7118.766	1592.228	5.21	0.68	0.43	1
7189.669	522.718	7.67	1.62	1.45	1	7131.910	1595.141	5.30	0.73	0.47	1
7191.655	522.862	7.51	1.47	1.21	1	7458.946	1668.310	5.32	0.69	0.56	1
7198.695	523.374	7.00	1.36	1.09	1	7469.847	1670.748	5.56	0.84	0.60	1
7200.742	523.523	7.28	1.54	1.39	1	7518.784	1681.694	5.50	0.83	0.58	1
7205.648	523.880	7.44	1.47	1.15	1	7521.754	1682.358	5.25	0.71	0.49	1
7214.644	524.524	7.36	1.53	1.27	1	7522.775	1682.583	5.48	0.82	0.61	1
7461.897	542.510	7.23	1.52	1.28	1	7533.727	1685.036	5.41	0.77	0.52	1
7469.872	545.090	6.59	0.96	0.74	1	7592.627	1698.210	5.23	0.67	0.52	1
7472.829	543.305	6.90	1.29	0.98	1						
7522.792	546.937	7.40	1.38	1.03	1						
FF AQL						FF AQL					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
2762.719	617.925	5.58	0.80		8	2773.762	453.657	7.98	1.14		8
2764.736	618.377	5.25	0.73		8	2788.823	456.120	8.48	1.30		8
2765.717	618.596	5.48	0.79		8	2789.833	456.285	8.59	1.52		8
2766.806	618.840	5.55	0.84		8	2790.812	456.445	8.33	1.29		8
2768.715	619.267	5.15	0.70		8	2791.799	456.607	7.95	1.10		8
2770.778	619.728	5.51	0.85		8	2792.802	456.771	8.11	1.27		8
2771.731	619.941	5.54	0.79		8	3091.879	505.686	8.04	1.19		8
2772.777	620.174	5.22	0.71		8	3092.908	505.854	8.31	1.30		8
						3093.891	506.015	8.40	1.43		8
						3094.887	506.178	8.59	1.51		8

TABLE 1 (continued)

FM AQL CONT.						FN AQL CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
3095.867	504.338	8.61	1.45		8						
3096.861	506.501	8.08	1.14		8	3154.729	332.699	8.12	1.13		8
3098.863	508.828	8.25	1.32		8	4907.484	517.545	8.25	1.12		7
3152.738	515.639	7.94	1.14		8	5238.690	552.474	8.35	1.16	0.80	5
3153.740	515.903	8.15	1.28		8						
						5242.639	552.890	8.40	1.29	0.97	5
3154.736	515.966	8.34	1.34		8	5256.595	554.362	8.47	1.23	0.87	5
5238.667	856.799	8.17	1.29	0.94	5	5292.500	558.149	8.72	1.38	1.07	5
5242.627	857.447	8.29	1.29	0.87	5	5304.415	559.405	8.40	1.20	0.84	6
5256.585	859.730	8.10	1.24	0.87	5	5305.428	559.512	8.27	1.15	0.81	6
5252.488	865.602	7.92	1.13	0.76	5						
						5306.407	559.615	8.13	1.11	0.78	6
5305.436	867.719	8.06	1.22	0.86	6	5309.404	559.931	8.43	1.31	1.03	6
5306.395	867.876	8.26	1.34	0.98	6	5310.417	560.038	8.60	1.38	1.09	6
5509.389	868.766	8.57	1.39	1.05	6	5315.463	560.570	8.15	1.13		7
5311.404	868.832	7.97	1.14	0.78	6	5363.304	565.616	8.11	1.10		-7
5328.107	871.476	6.18	1.23		7						
						5364.300	565.721	8.17	1.17		7
3359.115	876.527	8.01	1.16		7	5647.432	595.580	8.15	1.10		7
3354.292	877.346	7.61	1.45		7	5654.341	596.309	8.49	1.27		7
3371.282	878.649	7.99	1.20		7	5655.487	596.429	8.36	1.20		7
5644.111	923.507	8.08	1.21		7	5665.430	597.478	8.31	1.17		7
5644.111	923.652	7.99	1.19		7						
						5668.473	597.799	8.23	1.22		7
5652.377	924.463	8.19	1.27		7	5685.406	599.585	8.17	1.13		7
5665.405	926.593	7.92	1.13		7	7118.865	750.758	8.22	1.22	0.84	1
5678.434	928.724	8.05	1.27		7	7131.885	752.131	8.67	1.36	1.13	1
5683.416	929.539	7.92	1.13		7	7133.856	732.339	8.42	1.25	0.81	1
5689.344	930.509	8.01	1.16		7						
						7147.744	753.803	8.30	1.26	0.88	1
7056.704	1154.177	8.59	1.49	1.10	1	7148.808	753.915	8.43	1.34	1.00	1
7118.850	1164.309	8.66	1.47	1.15	1	7149.820	754.022	8.59	1.39	1.11	1
7131.872	1166.438	8.33	1.35	0.78	1	7201.699	759.494	8.27	1.15	0.78	1
7132.849	1166.598	7.93	1.17	0.74	1	7205.664	759.912	8.42	1.34	1.01	1
7133.849	1166.762	8.11	1.28	0.84	1						
						7215.655	760.754	8.24	1.22	0.80	1
7147.734	1169.033	8.42	1.43	1.04	1	7216.660	760.860	8.24	1.25	1.01	1
7148.799	1169.207	8.59	1.50	1.14	1	7461.912	786.936	3.46	1.36	1.03	1
7149.813	1169.373	3.52	1.41	0.99	1	7469.891	787.777	8.29	1.23	0.89	1
7186.677	1175.407	8.42	1.36	0.92	1	7522.807	793.358	8.56	1.19	0.93	1
7191.663	1176.217	8.59	1.47	1.13	1						
						KL AQL					
7201.683	1177.856	8.24	1.34	0.95	1	J.D.	CYCLES	V	B-V	U-B	RF
7205.655	1178.506	8.63	1.19	0.78	1						
7214.653	1179.977	8.35	1.40	0.97	1	6751.731	1105.369	10.51	1.09		3
7461.903	1220.416	8.38	1.34	0.89	1	6752.785	1105.553	10.55	1.09	0.99	3
7469.885	1221.721	8.08	1.23	0.89	1	6773.726	1108.982	10.07	0.92	0.80	3
						6774.712	1109.143	10.33	1.07	0.85	3
7522.799	1230.376	8.60	1.39	1.06	1	6776.740	1109.475	10.49	1.22	0.87	3
						6777.792	1109.647	10.25	0.95	0.67	3
						6776.770	1109.807	9.84	0.77	0.53	3
						6784.726	1110.783	9.83	0.78	0.55	3
						6785.714	1110.944	9.97	0.91	0.68	3
						6787.702	1111.270	10.36	1.10	0.97	3
						6789.760	1111.607	10.43	1.03	0.82	3
						6806.684	1114.377	10.48	1.15	0.90	3
						6807.689	1114.542	10.57	1.15	0.84	3
3094.904	326.390	8.44	1.25		8	6808.680	1114.704	10.09	0.88	0.60	3
3095.878	326.492	8.29	1.16		8	6809.678	1114.868	9.92	0.81	0.61	3
3096.875	326.597	8.12	1.05		8						
3145.767	331.754	8.18	1.16		8	6810.677	1115.031	10.15	0.97	0.71	3
3143.750	331.857	8.28	1.26		8	6811.663	1115.196	10.32	1.04	0.79	3
						6815.665	1115.848	9.92	0.93	0.61	2
3152.725	332.487	8.25	1.17		8	6815.674	1115.849	9.90	0.81	0.61	3
3153.721	332.594	8.14	1.09		8	6816.648	1116.009	10.10	0.96	0.69	3

TABLE 1 (continued)

KL AQL						336 AQL					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6816.738	1116.023	10.08	0.98	0.70	2	6807.726	932.112	10.16	1.51	1.20	2
6817.700	1116.181	10.53	1.07	0.79	2	6808.688	932.243	10.27	1.52	1.15	2
6818.698	1116.344	10.47	1.08	0.89	2	6810.663	932.514	9.48	1.17	0.85	2
6819.656	1116.501	10.60	1.13	0.92	2	6833.627	935.658	9.69	1.29	0.92	2
6820.684	1116.669	10.18	0.91	0.61	2	7205.676	986.325	10.02	1.41	1.00	1
6853.719	1118.804	9.92	0.78	0.58	2	7229.612	989.876	9.80	1.39	1.03	1
6874.713	1118.966	10.02	0.90	0.69	2	7235.603	990.423	9.71	1.23	0.83	1
6836.657	1119.285	10.36	1.12	0.87	2	7234.599	990.559	9.52	1.19	0.82	1
6843.659	1120.431	10.59	1.18		3	7239.585	991.242	10.22	1.54	1.16	1
6845.634	1120.754	9.87	0.80	0.52	3	7469.854	1022.770	9.76	1.36	1.01	1
6846.644	1120.920	9.99	0.88	0.66	3	7521.763	1029.877	9.82	1.40	1.06	1
6846.712	1120.931	9.94	0.89	0.66	2						
6853.621	1122.062	10.18	0.96	0.74	2						
6856.628	1122.554	10.50	1.13		2						
6856.706	1122.567	9.88	0.85		2						
6857.626	1122.718	9.98	0.86		2						
PZ AQL						493 AQL					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7131.821	815.103	11.72	1.39	1.11	1	5612.438	1879.880	11.18	1.37		7
7203.661	823.313	11.30	1.31	1.01	1	5612.545	1879.916	11.20	1.39		7
7229.604	826.278	11.35	1.26	0.96	1	5623.462	1883.572	10.81	1.16		7
7232.612	826.622	11.73	1.55	1.18	1	5624.596	1883.952	11.23	1.41		7
7233.597	826.735	11.93	1.65	1.33	1	5625.549	1884.271	11.33	1.32		7
7469.839	853.735	11.95	1.68	1.44	1	5626.441	1884.570	10.82	1.14		7
7521.738	859.666	11.77	1.64	1.41	1	5627.487	1884.921	11.19	1.38		7
7601.571	868.791	11.95	1.69	1.47	1	5628.461	1885.247	11.33	1.33		7
						5629.565	1885.617	10.86	1.17		7
						5630.516	1885.935	11.19	1.39		7
						5631.462	1886.252	11.32	1.37		7
						5636.494	1887.938	11.21	1.40		7
						5637.461	1888.261	11.30	1.33		7
						5638.482	1888.603	10.83	1.15		7
						5639.517	1888.950	11.25	1.35		7
						5640.556	1889.298	11.22	1.31		7
						5641.483	1889.609	10.84	1.16		7
						5642.543	1889.964	11.24	1.38		7
						5643.363	1890.238	11.34	1.34		7
						5646.486	1891.284	11.27	1.46		7
						5652.366	1893.254	11.27	1.35		7
						5654.310	1893.905	11.16	1.34		7
						5655.440	1894.283	11.29	1.32		7
						5655.554	1894.322	11.13	1.30		7
						5660.571	1896.002	11.27	1.36		7
						5661.420	1896.286	11.33	1.39		7
						5665.385	1897.615	10.84	1.18		7
						5668.448	1898.646	10.82	1.20		7
						5669.422	1898.967	11.23	1.37		7
						5672.430	1899.974	11.25	1.33		7
						5681.363	1902.966	11.19	1.39		7
						5682.336	1903.292	11.32	1.31		7
						5683.393	1903.646	10.81	1.17		7
						5685.396	1904.317	11.21	1.33		7
						5686.396	1904.652	10.86	1.20		7
						5687.422	1904.596	11.23	1.38		7
						5688.299	1905.290	11.21	1.27		7
						5689.335	1905.637	10.82	1.19		7
						5691.298	1906.294	11.26	1.37		7
						5692.343	1906.644	10.85	1.19		7

TABLE 1 (continued)

476 AQL						572 AQL						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4552.962	688.875	7.70	1.09		9	5687.452	1484.974	11.36	0.86		7						
4565.878	670.772	7.77	1.13		9	5688.334	1485.205	11.19	0.74		7						
4566.847	670.914	7.63	1.11		9	6751.792	1762.870	11.02	0.67		3						
4567.844	671.061	7.63	1.08		9												
4570.837	671.501	7.90	1.30		9	6752.794	1763.132	11.15	0.76		3						
						6776.753	1769.387	11.45	0.72	0.55	3						
4574.816	672.085	7.64	1.14		9	6778.781	1769.917	11.07	0.65	0.59	3						
4575.868	672.240	7.72	1.21		9	6784.755	1771.477	11.35	0.79	0.49	3						
4989.355	732.985	7.61	1.06		7	6785.723	1771.729	11.04	0.64	0.49	3						
5238.657	769.610	7.97	1.23	0.95	5												
5242.660	770.198	7.74	1.16	0.86	5	6786.716	1771.989	11.21	0.75	0.54	3						
						6787.713	1772.249	11.43	0.85	0.64	3						
5256.612	772.248	7.78	1.17	0.88	5	6789.768	1772.785	11.04	0.64	0.45	3						
5302.491	778.988	7.60	1.08		7	6791.825	1773.323	11.45	0.85	0.52	3						
5304.402	779.268	7.77	1.18	0.89	6	6792.711	1773.554	11.25	0.71		3						
5305.415	779.417	7.86	1.23	0.93	6												
5306.344	779.554	7.96	1.26	0.98	6	6793.706	1773.814	11.07	0.67	0.43	3						
						6808.687	1777.725	11.00	0.64	0.52	3						
5309.435	780.008	7.62	1.08	0.76	6	6809.685	1777.986	11.32	0.78	0.48	3						
5510.446	780.156	7.70	1.14	0.84	6	6812.666	1778.764	11.01	0.69	0.51	3						
5315.452	780.892	7.65	1.11		7	6813.661	1779.024	11.29	0.86	0.57	3						
5643.393	829.070	7.65	1.11		7												
5647.412	829.660	7.97	1.26		7	6815.683	1779.552	11.09	0.67	0.49	3						
						6816.663	1779.808	11.09	0.72	0.52	3						
5654.324	830.675	7.97	1.24		7	6819.674	1780.594	11.05	0.67	0.40	3						
5655.469	830.844	7.71	1.13		7	6841.688	1786.342	11.28	0.83	0.55	3						
5669.431	832.895	7.66	1.07		7	5845.641	1787.374	10.97	0.91	0.47	-3						
5678.386	834.210	7.71	1.20		7												
5683.404	834.948	7.56	1.06		7	6846.650	1787.637	11.04	0.67	0.47	3						
7094.931	1042.315	7.78	1.21	0.90	1	600 AQL											
7100.932	1043.196	7.70	1.19	0.83	1	J.D.	CYCLES	V	B-V	U-B	RF						
7118.826	1045.825	7.76	1.14	0.75	1	4989.366	689.248	10.34	1.71		7						
7131.849	1047.738	7.88	1.17	0.85	1	5315.474	734.298	10.39	1.72		7						
7147.719	1050.070	7.67	1.10	0.78	1	5359.264	740.347	10.41	1.68		7						
						5643.413	779.601	9.77	1.36		7						
7148.761	1050.223	7.69	1.17	0.83	1	5652.387	780.841	9.90	1.51		7						
7149.801	1050.376	7.81	1.23	0.91	1												
7178.681	1054.618	7.97	1.27	0.94	1	5654.350	781.112	10.17	1.62		7						
7186.659	1055.790	7.86	1.20	0.86	1	5655.497	781.270	10.33	1.69		7						
7188.678	1056.087	7.58	1.12	0.78	1	5660.584	781.973	10.03	1.49		7						
						5665.441	782.644	9.71	1.36		7						
7189.658	1056.231	7.71	1.17	0.85	1	5669.454	783.198	10.30	1.68		7						
7191.648	1056.523	7.93	1.27	0.98	1												
7198.685	1057.557	7.93	1.27	0.97	1	5685.417	785.403	10.36	1.62		7						
7205.642	1058.579	7.94	1.28	0.96	1	5686.409	785.540	9.93	1.43		7						
7469.867	1097.396	7.87	1.24	0.93	1	5687.434	785.682	9.78	1.37		7						
						5688.312	785.803	9.80	1.47		7						
7472.872	1097.831	7.74	1.13	0.78	1	7056.913	975.867	9.99	1.33	1.05	1						
572 AQL																	
J.D.	CYCLES	V	B-V	U-B	RF												
5364.340	1400.611	11.24	0.72		7	7198.708	994.455	10.12	1.53	1.10	1						
5372.294	1402.688	11.12	0.72		7	7202.629	994.996	10.06	1.59	1.15	1						
5543.426	1473.479	11.22	0.74		7	7203.692	995.143	10.22	1.64	1.29	1						
5654.441	1476.355	11.24	0.75		7	7229.619	998.725	9.82	1.61	1.00	1						
5655.523	1476.638	10.90	0.62		7	7461.919	1030.816	9.90	1.51	1.12	1						
5660.605	1477.965	11.30	0.81		7	7469.897	1031.918	9.97	1.51	1.15	1						
5669.481	1480.282	11.29	0.77		7	7472.835	1032.324	10.36	1.69	1.33	1						
5631.399	1483.394	11.03	0.66		7	7593.631	1049.011	10.06	1.58	1.23	1						
5682.436	1483.665	11.06	0.66		7	7601.546	1050.104	10.15	1.60	1.29	1						
5683.429	1483.924	11.32	0.84		-7	7635.570	1054.804	9.80	1.47	1.06	1						
5685.432	1484.447	11.02	0.65		7	DU ARA											
5686.421	1484.705	11.13	0.76		7	J.D.	CYCLES	V	B-V	U-B	RF						
						5201.632	3170.393	12.44	0.70	0.40	-						

TABLE F (continued)

[illegible]

TABLE 1 (continued)

RX AUR						YZ AUR					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7645.810	657.715	7.37	0.78	0.52	1	6833.941	375.638	10.15	1.42	0.95	2
7646.715	657.793	7.44	0.82	0.52	1	6834.937	375.693	10.18	1.44	1.09	2
7647.695	657.878	7.51	0.90	0.51	1	6836.952	375.803	10.38	1.55	1.24	2
7652.793	658.316	7.98	1.15	0.86	1	6849.681	376.514	9.99	1.23	0.88	2
7654.709	658.481	7.83	1.01	0.68	1	6852.888	376.679	10.20	1.42	1.12	2
7655.728	658.569	7.76	0.95	0.66	1	6853.888	376.734	10.28	1.53	1.11	2
7656.675	658.650	7.58	0.86	0.57	1	6856.857	376.897	10.57	1.60		2
7656.710	658.825	7.34	0.93	0.51	1	6857.828	376.951	10.64	1.61		2
7660.671	658.994	7.61	1.01	0.72	1	6858.894	377.009	10.68	1.62		2
7661.653	659.078	7.73	1.08	0.80	1						
7663.677	659.252	7.96	1.15	0.90	1						
SY AUR						AN AUR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6808.976	671.229	9.38	1.13	0.84	2	6808.930	661.749	10.31	1.10	0.71	2
6809.967	671.327	9.19	1.09	0.70	2	6810.983	661.892	10.32	1.09	0.74	2
6810.910	671.420	8.93	1.01	0.66	2	6811.979	661.948	10.24	1.09	0.74	2
6811.984	671.526	8.34	0.93	0.66	2	6812.916	662.040	10.20	1.12	0.78	2
6812.923	671.613	8.76	0.92	0.64	2	6813.899	662.135	10.35	1.26	0.88	2
6813.906	671.715	8.84	1.00	0.67	2	6814.909	662.233	10.49	1.33	0.93	2
6814.917	671.815	9.07	1.10	0.73	2	6815.921	662.332	10.61	1.37	1.19	2
6815.930	671.915	9.15	1.15	0.82	2	6816.919	662.429	10.79	1.43	1.02	2
6816.926	672.013	9.29	1.21	0.84	2	6817.943	662.528	10.80	1.38	0.93	2
6817.946	672.113	9.37	1.22	0.85	2	6817.966	662.623	10.73	1.31	0.80	3
6818.007	672.190	9.35	1.22	0.85	3	6818.898	662.621	10.55	1.33	0.84	2
6818.909	672.252	9.38	1.18	0.82	2	6818.965	662.627	10.55	1.22	0.70	3
6818.980	672.215	9.32	1.19	0.81	3	6819.901	662.718	10.40	1.15	0.74	2
6819.908	672.307	9.24	1.10	0.70	2	6819.934	662.722	10.29	1.16	0.64	3
6819.931	672.311	9.21	1.10	0.74	3	6823.912	664.080	10.32	1.21	0.70	2
6833.933	673.690	8.82	0.77		2	6834.999	664.185	10.41	1.30	1.00	2
6836.946	673.987	9.22	1.20	0.86	2	6836.938	664.374	10.73	1.42	1.06	2
6844.996	674.740	9.01	1.06	0.68	3	6844.981	665.153	10.32	1.22	0.73	3
6845.992	674.818	9.10	1.15	0.75	3	6845.961	665.251	10.45	1.26	0.96	3
6846.990	674.977	9.23	1.20	0.90	3	6846.944	665.346	10.57	1.35	0.84	3
6848.974	675.172	9.37	1.20	0.81	3	6849.856	665.629	10.57	1.25	0.86	2
6849.870	675.261	9.28	1.15	0.79	2	6852.863	665.921	10.25	1.13	0.76	2
6849.979	675.271	9.31	1.12	0.73	3	6853.833	666.016	10.16	1.13	0.74	2
6852.883	675.558	8.80	0.72	0.54	2	6855.906	666.217	10.41	1.34		2
6853.883	675.656	8.76	0.96	0.64	2	6856.844	666.308	10.64	1.38		2
6855.813	675.846	9.05	1.17		2	6857.813	666.402	10.74	1.48		2
6856.851	675.949	9.23	1.16		2	6858.681	666.506	10.78	1.46		2
6857.820	676.044	9.31	1.22		2						
6858.867	676.149	9.36	1.22		2						
YZ AUR						AO AUR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6809.974	374.320	10.41	1.34	0.83	2	6836.968	1010.937	10.54	0.88	0.57	2
6811.991	374.431	9.94	1.14	0.78	2	6849.896	1012.849	11.12	1.11	0.70	2
6812.930	374.483	9.98	1.20	0.79	2	6852.902	1013.293	10.83	1.05	0.66	2
6813.915	374.537	9.99	1.27	0.80	2	6858.906	1014.181	10.61	0.99		2
6814.925	374.593	10.13	1.23	0.93	2						
6815.938	374.648	10.17	1.39	1.01	2						
6816.934	374.703	10.26	1.47	1.20	2						
6817.953	374.759	10.32	1.49	1.10	2						
6818.912	374.812	10.43	1.53	1.20	2						
6819.916	374.867	10.47	1.58	1.23	2						
BK AUR						BK AUR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6816.988	851.880	9.22	1.01	0.66	3	6816.988	851.880	9.22	1.01	0.66	3
6817.974	852.003	9.33	1.05	0.74	3	6817.974	852.003	9.33	1.05	0.74	3
6818.973	852.128	9.53	1.17	0.80	3	6818.973	852.128	9.53	1.17	0.80	3
6819.944	852.249	9.66	1.26	0.96	3	6819.944	852.249	9.66	1.26	0.96	3
6844.990	855.379	9.82	1.25	0.84	3	6844.990	855.379	9.82	1.25	0.84	3
6845.985	855.504	9.66	1.13	0.77	3	6845.985	855.504	9.66	1.13	0.77	3

TABLE 1 (continued)

BK AUR		CONT.				RW CAM		CONT.			
J.D.	CYCLES	V	S-V	U-B	RF	J.D.	CYCLES	V	S-V	U-B	RF
6846.985	855.628	9.23	0.94	0.61	3	6913.985	414.956	8.43	1.30	0.73	3
6848.968	855.876	9.23	1.01	0.63	3	6814.855	415.009	8.28	1.23	0.74	2
6849.972	856.002	9.35	1.06	0.72	3	6814.990	415.017	8.20	1.22	0.78	3
7597.837	949.458	9.73	1.18	0.86	1	6815.849	415.069	8.26	1.25	0.79	2
						6815.970	415.076	8.25	1.29	0.78	3
7600.787	949.827	9.25	0.98	0.69	1						
7601.778	949.951	9.23	1.00	0.71	1	6816.851	415.130	8.37	1.35	0.83	2
7619.839	952.208	9.60	1.23	0.90	1	6816.974	415.138	8.34	1.34	0.81	3
7623.727	952.693	9.09	0.91	0.65	1	6817.870	415.192	8.44	1.38	0.83	2
7626.767	953.073	9.45	1.16	0.82	1	6817.939	415.196	8.41	1.40	0.86	3
						6818.858	415.252	8.53	1.44	0.87	2
7634.904	954.090	9.48	1.16	0.80	1						
7635.712	954.191	9.63	1.24	0.89	1	6818.902	415.255	8.49	1.44	0.86	3
7645.819	955.454	9.73	1.19	0.85	1	6819.814	415.311	8.62	1.47	0.83	2
7647.702	955.689	9.12	0.86	0.59	1	6819.884	415.315	8.57	1.48	0.88	3
7649.778	955.949	9.27	1.01	0.67	1	6820.845	415.373	8.66	1.52	0.87	2
						6828.865	415.862	8.85	1.39		4
7652.800	956.327	9.74	1.23	0.93	1						
7653.742	956.444	9.76	1.17	0.86	1	6829.935	415.927	8.68	1.39		4
7654.721	956.557	9.46	1.04	0.69	1	6830.967	415.990	8.23	1.23		4
7655.735	956.693	9.14	0.92	0.70	1	6832.932	416.109	8.32	1.28		4
7656.682	956.812	9.22	0.97	0.66	1	6833.881	416.167	8.40	1.36	0.86	2
						6834.924	416.231	8.46	1.42	0.91	2
7660.678	957.311	9.74	1.24	0.93	1						
						6836.906	416.351	8.62	1.49	0.88	2
						6837.914	416.413	8.73	1.56		4
						6843.896	416.777	8.86	1.45		4
						6843.924	416.779	8.86	1.43		4
						6844.924	416.840	8.80	1.39	0.73	3
						6845.931	416.901	8.81	1.36	0.71	3
						6845.929	416.962	8.39	1.27	0.71	3
						6847.809	417.015	8.20	1.21		4
						6847.865	417.019	8.20	1.18		4
						6848.910	417.082	8.27	1.25	0.80	3
						6849.847	417.140	8.36	1.34	0.82	2
						6852.826	417.321	8.61	1.49	0.85	2
						6853.843	417.383	8.70	1.52	0.88	2
						6856.816	417.564	9.00	1.54		2
						6857.782	417.623	9.01	1.50		2
						6679.878	418.968	8.30	1.22		4
						6880.851	419.028	8.20	1.20		4
						6972.655	424.618	9.00	1.53		4
						6977.659	424.923	8.67	1.32		4
				</							

TABLE 1 (continued)

RX CAM						TV CAM					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	J-B	RF
3178.917	401.792	7.56	1.15		8	6837.927	1291.416	11.83	1.30		4
3180.000	401.929	7.70	1.33		8	6843.902	1292.546	11.96	1.34		4
3180.972	402.052	7.84	1.39		8	6843.930	1292.551	11.99	1.31		4
3190.920	403.309	8.08	1.42		8						
3206.801	405.316	8.03	1.38		8	6867.814	1293.285	11.69	1.18		4
						6867.876	1293.297	11.71	1.17		4
3216.843	406.586	7.29	1.05		8	6867.881	1297.075	11.38	1.00		4
3233.688	408.715	7.51	1.20		8	6869.921	1297.460	11.85	1.30		4
3238.712	409.350	8.02	1.36		8	6876.901	1298.778	12.11	1.29		4
6796.970	859.088	7.86	1.41		2						
6807.953	860.476	7.66	1.24	0.85	2	6879.889	1299.343	11.74	1.23		4
						6880.860	1299.526	11.95	1.31		4
6828.940	860.601	7.32	1.08	0.84	2	6942.664	1311.198	11.59	1.10		4
6809.808	860.720	7.52	1.19	0.90	2	6951.696	1312.904	11.41	1.00		4
6810.948	860.854	7.46	1.23	0.90	2	6953.678	1313.270	11.67	1.17		4
6811.943	860.980	7.73	1.34	1.02	2						
6813.868	861.223	8.00	1.45	1.13	2	6971.662	1316.675	12.19	1.35		4
						6972.662	1316.864	11.75	1.13		4
6814.863	861.349	8.12	1.39	1.02	2	6975.641	1317.426	11.85	1.30		4
6816.859	861.601	7.35	1.09	0.79	2	6977.655	1317.807	12.01	1.24		4
6817.952	861.740	7.50	1.20	0.88	2	6978.643	1317.993	11.25	0.92		4
6818.866	861.855	7.46	1.20	0.90	2						
6819.869	861.982	7.73	1.34	1.00	2	6978.666	1317.998	11.33	0.93		4
						6979.633	1318.180	11.53	1.13		4
6828.870	863.120	7.90	1.44		4	6980.642	1318.371	11.81	1.24		4
6829.938	863.255	8.07	1.51		4	6981.641	1318.560	12.02	1.34		4
6830.970	863.385	7.91	1.34		4	6982.649	1318.750	12.11	1.35		4
6832.935	863.633	7.41	1.10		4						
6833.888	863.754	7.53	1.20	0.87	2	6983.647	1318.938	11.23	0.92		4
						6983.649	1318.939	11.23	0.91		4
6834.931	863.886	7.51	1.23	0.89	2						
6836.912	864.136	7.94	1.41	1.07	2	AB CAM					
6837.923	864.264	8.06	1.48		4	J.D.	CYCLES	V	B-V	U-B	RF
6843.899	865.019	7.72	1.36		4	6830.962	1180.339	12.15	1.35		4
6843.927	865.073	7.72	1.35		4	6832.927	1180.678	11.93	1.18		4
						6837.918	1181.541	12.32	1.47		4
6847.813	865.514	7.47	1.12		4	6843.891	1182.573	12.27	1.42		4
6847.871	865.921	7.44	1.10		4	6843.921	1182.578	12.27	1.41		4
6852.831	866.148	7.94	1.41	1.08	2						
6853.849	866.277	8.07	1.46	1.10	2	6847.806	1183.240	11.93	1.30		4
6856.822	866.652	7.43	1.13		2	6847.852	1183.257	11.97	1.31		4
						6847.857	1183.258	11.95	1.29		4
6857.788	866.775	7.50	1.19		2	6866.874	1186.544	12.32	1.43		4
6858.856	866.910	7.59	1.26		2	6867.871	1186.716	12.77	1.10		4
6879.882	869.567	7.30	1.06		4						
6880.855	869.690	7.46	1.16		4	6867.909	1187.968	11.78	1.24		4
6931.693	878.643	7.38	1.11		4	6876.895	1188.276	11.96	1.33		4
						6879.872	1188.790	11.31	0.96		4
6953.675	878.894	7.52	1.23		4	6880.845	1188.958	11.61	1.13		4
6971.659	881.167	7.96	1.43		4	6941.665	1199.467	12.29	1.44		4
6972.858	881.293	8.06	1.43		4						
6973.637	881.670	7.45	1.14		4	6942.639	1199.639	12.20	1.36		4
6977.657	881.925	7.61	1.27		4	6948.648	1200.674	12.06	1.31		4
						6951.689	1201.199	11.90	1.29		4
6978.641	882.049	7.77	1.37		4	6953.693	1201.528	12.34	1.45		4
6980.639	882.302	8.06	1.42		4	6954.670	1201.714	11.78	1.13		4
6981.639	882.428	7.82	1.27		4						
6982.646	882.536	7.35	1.08		4	6971.655	1204.649	12.31	1.2		4
7240.781	915.182	7.98	1.47	1.12	1	6972.652	1204.822	11.42	0.94		4
						6977.650	1205.645	11.95	1.21		4
7267.720	918.587	7.34	1.07	0.72	1	6978.638	1205.856	11.42	1.01		4
						6978.662	1205.860	11.50	1.02		4
TV CAM											
J.D.	CYCLES	V	B-V	U-B	RF	6979.629	1206.027	11.72	1.19		4
6830.975	1290.109	11.40	1.03		4	6980.635	1206.201	11.92	1.21		4
6832.920	1290.472	11.94	1.26		4	6981.636	1206.574	12.19	1.42		4

TABLE 1 (continued)

AB. CAN CONT.						CAR HD 84810 CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6982.643	1206.548	12.31	1.42		4	4867.989	136.911	3.88	1.25		9
TW CAP						4872.010	137.024	3.38	1.01		9
J.D.	CYCLES	V	B-V	U-B	RF	4873.030	137.052	3.32	1.01		9
5643.437	197.617	10.36	0.61		7	5163.412	145.219	3.51	1.25	1.02	5
5655.541	198.041	11.04	0.79		7	5177.411	145.613	4.01	1.52	1.29	5
5660.620	198.219	11.21	0.66		7	5198.413	146.204	3.50	1.23	1.00	5
5661.454	198.248	11.05	0.60		7	5201.362	146.287	3.62	1.33	1.10	5
5665.453	198.388	9.96	0.51		7	5208.405	146.485	3.87	1.48	1.25	5
5668.506	198.495	10.28	0.52		-7	5223.258	146.902	3.87	1.30	1.03	6
5669.494	198.530	10.36	0.55		7	5236.315	147.270	3.56	1.31	1.10	5
5686.436	199.123	11.19	0.75		7	5238.342	147.327	3.68	1.36	1.14	5
5687.466	199.159	11.23	0.70		7	5245.326	147.523	3.94	1.49	1.28	5
5688.348	199.190	11.11	0.70		7	5246.309	147.551	3.97	1.50	1.28	5
5689.355	199.225	11.08	0.61		7	5267.272	148.140	3.43	1.14	0.90	5
5691.309	199.294	10.52	0.41		7	5270.186	148.222	3.56	1.25	1.03	5
5692.354	199.330	10.09	0.32		7	5292.192	148.841	4.05	1.38	1.15	5
7142.856	250.123	11.18	0.76	0.35	1	5302.216	149.123	3.40	1.15		7
7143.854	250.158	11.21	0.74	0.32	1	5302.224	149.123	3.39	1.13		7
7147.804	250.296	10.51	0.48	0.16	1	5303.216	149.151	3.51	1.19		7
7148.765	251.380	10.06	0.35	0.13	1	5616.305	157.957	3.55	1.11		7
7202.769	252.221	11.22	0.75	0.58	1	5619.269	158.040	3.32	1.03		7
7226.672	253.058	10.92	0.74	0.27	1	5620.275	158.068	3.33	1.02		7
7233.628	253.301	10.44	0.43	0.13	1	5622.256	158.124	3.38	1.12		-7
7239.616	253.511	10.40	0.56	0.27	1	5656.238	159.080	3.34	1.05		7
7462.947	261.331	10.13	0.33	0.21	1	5657.191	159.107	3.32	1.06		7
7521.836	262.394	10.14	0.38	0.24	1	U CAR					
7542.731	264.125	11.30	0.90	0.54	1	J.D.	CYCLES	V	B-V	U-B	RF
CAR HD 84810						4512.370	116.430	6.55	1.47		7
J.D.	CYCLES	V	B-V	U-B	RF	4513.364	116.456	6.64	1.51		7
3765.097	105.892	4.01	1.36		9	4517.407	116.560	6.81	1.54		7
3775.986	106.198	3.48	1.16		9	4519.417	116.612	6.94	1.51		7
3776.988	106.227	3.48	1.20		9	4520.350	116.636	6.96	1.52		7
3778.035	106.256	3.53	1.23		9	4530.397	116.895	5.81	0.90		7
3779.003	106.283	3.56	1.28		9	4532.394	116.947	5.93	1.00		7
3784.010	106.424	3.73	1.43		9	4561.306	117.693	6.82	1.52		7
3797.015	106.790	4.06	1.41		9	4568.200	117.871	5.82	0.85		-7
3852.859	108.360	3.67	1.40		9	4573.296	118.002	6.06	1.10		7
3855.877	108.443	3.79	1.44		9	4575.244	118.053	6.15	1.21		7
4087.153	114.950	3.79	1.23		9	4578.244	118.130	6.25	1.31		7
4469.187	125.694	4.03	1.43		9	4580.230	118.181	6.23	1.21		-7
4472.166	125.778	4.03	1.46		9	4586.255	118.337	6.52	1.52		7
4527.064	127.322	3.64	1.31		9	4586.206	118.387	6.55	1.51		7
4544.273	127.806	4.10	1.41		7	4834.418	124.740	6.59	1.24		-7
4545.222	127.833	4.07	1.39		7	4835.491	124.767	6.27	1.06		7
4546.229	127.861	4.02	1.32		7	4913.257	126.774	6.15	1.05		7
4557.960	128.121	3.44	1.14		9	4914.322	126.802	5.90	0.89		7
4808.116	135.227	3.31	1.20		9	4917.351	126.860	5.85	0.89		7
4818.067	135.505	3.88	1.45		9	5161.462	133.178	6.21	1.35	1.11	5
4820.043	135.362	3.95	1.48		9	5169.446	133.386	6.51	1.47	1.22	5
4826.201	135.735	4.05	1.43		9	5176.438	133.565	6.82	1.52	1.28	5
4830.028	135.843	4.04	1.42		9	5177.426	133.591	6.86	1.52	1.29	5
4833.084	135.929	3.20	1.19		9	5201.408	134.209	6.27	1.37	1.12	5
4845.004	136.264	3.56	1.28		7	5208.463	134.391	6.51	1.46	1.23	5
4848.016	136.349	3.67	1.40		7	5209.380	134.415	6.52	1.48	1.25	5
						5236.341	135.111	6.17	1.25	0.98	5

TABLE 1 (continued)

U CAR						SX CAR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5238.400	135.164	6.19	1.32	1.08	5	4520.392	930.122	8.72	0.72		7
5239.268	135.189	6.24	1.36	1.11	5	4534.323	932.988	8.98	0.79		7
						4569.240	940.173	8.87	0.80		7
5244.440	135.319	6.43	1.46	1.19	5	4865.449	1001.121	8.74	0.71		7
5245.393	135.344	6.47	1.45	1.20	5	5165.448	1062.849	9.41	1.08	0.79	5
5246.357	135.369	6.50	1.47	1.21	5						
5292.263	136.553	6.80	1.51	1.27	5	5167.444	1063.260	8.89	0.87	0.57	5
						5198.480	1069.646	8.39	1.09	0.78	5
						5201.403	1070.248	8.89	0.88	0.59	5
						5208.459	1071.699	9.41	1.11	0.80	5
						5224.450	1074.986	8.98	0.82		7
V CAR											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4869.348	727.123	7.14	0.75		7	5238.392	1077.858	9.45	1.09	0.76	5
4890.284	730.249	7.28	0.80		7	5242.395	1078.682	9.40	1.11	0.78	5
4917.212	734.270	7.34	0.85		-7	5244.404	1079.090	8.67	0.73	0.46	5
5169.376	771.925	7.39	0.89	0.60	5	5257.322	1081.754	9.42	1.13	0.83	5
5201.322	776.695	7.63	1.07	0.81	5	5292.253	1098.941	9.16	0.96	0.63	5
5208.344	777.744	7.67	1.06	0.80	5	5535.507	1138.993	8.94	0.80		7
5256.279	784.902	7.83	1.01	0.79	5	5555.485	1143.104	8.69	0.72		7
5267.235	786.538	7.48	1.01	0.76	5	5574.355	1146.989	8.96	0.81		7
5611.298	837.916	7.50	0.85		7	5628.309	1158.088	8.73	0.71		7
5612.269	838.061	7.10	0.71		7						
						UW CAR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5619.261	839.105	7.10	0.73		7	4517.299	845.023	9.04	0.78		7
5637.247	841.791	7.70	1.06		7	4522.265	845.952	9.33	0.89		7
5638.225	841.937	7.30	0.90		7	4565.289	854.000	9.17	0.84		7
						4839.271	905.252	9.28	0.93		7
						4865.402	911.140	9.15	0.86		7
Y CAR											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4517.307	1241.100	8.18	0.63		7	4886.332	914.055	9.04	0.80		7
4520.260	1241.912	8.42	0.71		7	4924.260	921.150	9.13	0.94		-7
4536.311	1246.322	8.38	0.74		7	5164.449	966.081	9.01	0.82	0.53	3
4578.219	1257.835	7.96	0.51		7	5184.416	969.816	9.81	1.14	0.85	5
4985.211	1259.756	8.10	0.59		7	5189.471	970.762	9.84	1.18	0.89	5
4588.195	1260.576	8.21	0.63		7	5192.469	971.322	9.42	1.01	0.72	5
4812.455	1322.190	8.30	0.69		7	5195.441	971.878	9.73	1.09	0.84	5
4847.306	1331.755	7.75	0.42		7	5198.439	972.439	9.57	1.11	0.87	5
4865.442	1336.743	7.76	0.42		7	5239.336	980.090	9.05	0.82	0.52	5
4895.369	1344.970	8.22	0.64		7	5242.349	980.653	9.77	1.17	0.86	5
4906.377	1347.995	8.09	0.64		7	5244.349	981.027	8.99	0.83	0.51	5
4920.315	1351.824	8.10	0.66		7	5267.308	985.322	9.33	1.02	0.73	5
5161.443	1418.072	8.29	0.76	0.51	5	5274.216	986.614	9.07	1.15	0.67	6
5176.419	1422.187	8.32	0.78	0.54	5	5278.232	986.991	9.07	0.84	0.37	6
5177.425	1422.463	8.22	0.68	0.44	5						
						UX CAR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5201.391	1429.048	8.16	0.71	0.45	5	4520.298	1227.593	7.93	0.44		7
5208.444	1430.986	7.96	0.61	0.37	5	4531.310	1230.591	7.86	0.45		7
5223.291	1435.065	8.20	0.71	0.23	6	4535.339	1231.677	8.05	0.54		7
5234.329	1438.647	7.54	0.40	0.21	5	4564.260	1239.532	7.80	0.55		-7
5238.376	1439.209	8.40	0.79	0.54	5	4835.474	1313.186	8.65	0.80		7
5244.370	1440.856	7.85	0.57	0.32	5	4847.289	1315.395	8.50	0.71		7
5246.321	1441.392	8.42	0.77	0.51	5	4867.364	1321.047	8.31	0.70		7
5251.355	1442.775	7.78	0.46		7	4885.394	1326.743	8.18	0.62		7
5256.331	1444.142	8.34	0.76	0.30	5	4896.331	1329.713	8.17	0.59		7
5257.313	1444.412	8.21	0.68	0.43	5	5161.436	1401.709	8.07	0.60	0.37	5
5267.326	1447.163	8.18	0.67	0.44	5	5165.407	1402.787	8.18	0.69	0.43	5
5292.243	1454.609	8.15	0.69	0.44	5	5176.412	1405.776	8.14	0.66	0.43	5
5309.230	1458.676	8.05	0.54		7						

TABLE 1 (continued)

UX CAR						UZ CAR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5177.416	1406.048	8.48	0.84	0.30	5	5244.378	1007.631	9.20	0.83	0.64	5
5201.381	1412.557	7.85	0.47	0.26	5	5257.317	1010.117	9.59	1.06	0.79	5
5208.427	1414.470	8.09	0.55	0.32	5						
5223.389	1418.533	7.87	0.44		7	5267.331	1012.041	9.58	1.03	0.80	5
5236.320	1422.045	8.49	0.83	0.62	5	5268.265	1012.221	9.56	0.98	0.73	5
5238.366	1422.601	7.91	0.52	0.29	5						
5244.355	1424.227	8.65	0.85	0.59	5	VY CAR					
5245.349	1424.497	7.90	0.50	0.28	5	J.D.	CYCLES	V	B-V	U-B	RF
						3777.015	199.474	7.35	1.18		9
5256.309	1427.474	8.07	0.55	0.30	5	3779.025	199.580	7.53	1.29		9
5267.312	1430.462	8.09	0.57	0.34	5	3796.920	200.525	7.48	1.22		9
5270.302	1431.274	8.65	0.85	0.59	5	3851.900	203.429	7.31	1.18		9
5282.222	1434.511	8.02	0.49		-7	4472.178	236.187	6.51	0.80		9
5285.227	1435.327	8.67	0.81		7						
						4512.358	238.309	7.05	0.98		7
5292.234	1437.230	8.61	0.85	0.61	5	4513.322	238.360	7.17	1.07		7
						4527.076	239.086	7.68	1.08		9
UY CAR						4529.367	239.207	6.89	0.85		7
J.D.	CYCLES	V	B-V	U-B	RF	4530.372	239.260	6.96	0.90		7
4513.312	814.130	8.72	0.55		7	4543.988	239.980	7.80	1.21		9
4519.378	815.224	8.61	0.66		7	4557.981	240.719	7.83	1.30		9
4529.356	817.024	9.17	0.88		7	4560.989	240.877	7.98	1.32		9
4531.348	817.383	8.77	0.78		7	4565.298	241.105	7.69	1.14		7
4536.302	818.277	8.67	0.70		7	4833.099	255.248	6.94	0.87		9
4890.392	882.149	8.66	0.70		7	4834.136	255.303	7.07	0.98		9
4896.339	883.222	8.64	0.86		7	4845.018	255.878	7.94	1.36		9
4907.273	885.194	8.61	0.66		7	4848.023	256.036	7.69	1.15		9
4929.299	889.167	8.62	0.83		7	4869.440	257.168	6.98	0.85		7
5164.454	931.585	9.03	0.96	0.71	5	4873.018	257.356	7.10	1.02		9
5184.419	935.187	8.56	0.68	0.42	5	4890.399	258.274	6.99	0.98		7
5189.476	936.099	8.78	0.80	0.50	5	4908.237	259.216	6.92	0.87		-7
5192.478	936.640	9.08	0.97	0.69	5	4920.971	259.889	7.92	1.32		9
5195.448	937.176	8.56	0.66	0.40	5	4928.072	260.264	6.93	0.84		9
5198.445	937.717	9.13	1.00	0.73	5	5161.455	272.590	7.57	1.41	1.18	5
5201.384	938.247	8.60	0.69	0.42	5	5169.441	273.011	7.72	1.29	1.00	5
5208.432	939.518	8.94	0.91	0.68	5	5177.428	273.433	7.27	1.22	0.99	5
5238.370	944.919	9.32	1.01	0.76	5	5201.395	274.699	7.78	1.48	1.25	5
5244.359	945.999	9.20	0.93	0.63	5	5208.456	275.072	7.71	1.28	0.99	5
5245.353	946.178	8.55	0.66	0.40	5	5223.311	275.855	7.99	1.50	1.38	6
5256.314	948.155	8.59	0.67	0.42	5	5236.333	276.544	7.49	1.38	1.13	5
5267.317	950.140	8.59	0.69	0.46	5	5238.388	276.653	7.69	1.45	1.22	5
						5239.364	276.704	7.81	1.49	1.28	5
UZ CAR						5242.385	276.864	8.00	1.51	1.26	5
J.D.	CYCLES	V	B-V	U-B	RF	5244.394	276.970	7.84	1.39	1.10	5
4519.393	868.336	9.23	0.74		7	5245.376	277.022	7.71	1.27	1.00	5
4520.308	868.512	9.09	0.76		7	5267.336	278.181	6.90	0.86	0.59	5
4535.348	871.401	9.03	0.70		7	5274.232	278.546	7.46	1.34	1.06	6
4931.207	947.460	9.06	0.75		-7						
4936.207	948.421	9.04	0.71		-7	WW CAR					
						J.D.	CYCLES	V	B-V	U-B	RF
5165.412	992.459	9.01	0.76	0.49	5	4513.334	963.045	9.44	0.72		7
5167.415	992.344	9.41	1.02	0.80	5	4519.403	966.343	9.66	0.90		7
5192.495	997.663	9.24	0.91	0.65	5	4532.387	989.119	9.38	0.73		7
5195.464	998.233	9.58	0.96	0.68	5	4865.456	1040.337	9.69	0.91		7
5198.449	998.807	9.36	1.02	0.72	5	4906.390	1049.089	9.43	0.77		7
5208.448	1000.728	9.28	0.93	0.70	5	4925.238	1033.119	9.33	0.72		-7
5238.383	1008.479	9.04	0.74	0.49	5	4930.236	1034.188	9.44	0.78		7
5242.366	1007.245	9.51	0.92	0.68	5						

TABLE 1 (continued)

WW CAR						XY CAR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5165.458	1104.483	9.82	1.02	0.71	5	4513.385	362.953	9.12	1.18		7
5167.449	1104.909	10.04	1.04	0.72	5	4576.248	368.008	9.22	1.26		7
5198.484	1111.545	9.91	1.06	0.79	5	4578.261	368.170	9.50	1.44		7
						4587.188	365.888	9.07	1.12		7
5223.447	1116.882	10.09	1.04		7	4834.430	388.770	8.84	0.92		-7
5224.455	1117.098	9.35	0.72		7						
5242.395	1120.935	9.97	0.57	0.66	5	4835.490	388.855	8.95	1.03		7
5244.408	1121.364	9.68	0.95	0.65	5	4847.323	389.807	8.92	1.00		7
5256.349	1123.918	9.99	0.99	0.71	5	4885.424	392.871	9.02	1.08		7
						4886.420	392.951	9.10	1.16		7
5267.345	1126.249	9.54	0.85	0.60	5	5166.442	415.470	9.62	1.36	1.06	5
5270.331	1126.907	10.02	0.99	0.70	5						
5275.235	1127.956	9.84	0.96	0.56	6	5167.501	415.555	9.42	1.24	0.92	5
5276.196	1128.161	9.35	0.78	0.37	6	5194.543	417.729	9.07	1.05		7
5303.236	1133.943	10.01	1.00		7	5256.373	422.702	9.18	1.13	0.79	5
						5292.268	425.588	9.37	1.23	0.96	5
						5309.208	426.950	9.09	1.17	0.87	6
WZ CAR						XZ CAR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4529.378	196.865	9.19	1.19		-7	5557.453	447.718	9.12	1.06		7
4530.381	196.909	9.12	1.28		7	5616.350	451.650	9.41	1.20		7
4572.236	198.728	8.86	0.95		7	5628.318	452.612	9.41	1.22		7
4574.243	198.815	8.95	1.12		7	5640.235	453.571	9.42	1.23		7
4867.314	210.684	8.78	0.84		7	5641.226	453.650	9.34	1.20		7
4867.375	211.556	9.46	1.13		7	YZ CAR					
4869.455	211.646	8.72	0.80		7	J.D.	CYCLES	V	B-V	U-B	RF
4885.415	212.340	9.84	1.53		7	4522.294	271.611	8.61	1.14		7
4886.403	212.383	9.84	1.47		7	4587.197	275.509	8.93	1.36		7
4895.405	212.774	8.94	1.06		7	5163.484	310.121	8.76	1.47	1.24	5
						5166.456	310.300	9.07	1.50	1.20	5
4896.350	212.815	9.04	1.13		7	5256.378	315.700	8.06	0.99	0.70	5
4907.284	213.291	9.78	1.57		7						
4914.315	213.596	8.76	0.83		7	5257.329	315.757	8.10	1.04	0.77	5
4917.332	213.727	8.89	1.01		7	5292.274	317.856	8.30	1.22	0.93	5
4920.342	213.858	9.07	1.27		7	5304.209	318.573	8.79	1.31	1.00	6
						5311.202	318.993	8.53	1.38	1.14	6
4934.194	214.460	9.88	1.44		7	YY CAR					
5165.482	224.513	9.87	1.36	1.09	-5	J.D.	CYCLES	V	B-V	U-B	RF
5167.466	224.599	8.71	0.84	0.50	5	4561.281	251.129	8.41	0.98		7
5186.485	225.426	9.99	1.45	1.05	-5	4564.268	251.293	8.37	1.12		-7
5242.421	227.857	9.05	1.19	0.92	5	4573.264	251.789	9.16	1.36		7
						4575.228	251.897	9.12	1.32		7
5244.424	227.944	9.16	1.32	1.06	5	4576.221	251.952	9.06	1.26		7
5267.350	228.941	9.18	1.33	1.01	5						
XX CAR						4578.205	252.061	8.85	1.16		7
J.D.	CYCLES	V	B-V	U-B	RF	4834.410	266.167	8.29	0.86		-7
4566.204	290.541	10.96	1.30		-7	4835.467	266.225	8.36	0.89		7
4572.276	290.927	8.91	0.84		7	4890.384	269.248	8.38	0.99		7
4573.288	290.991	9.01	0.95		7	4907.265	270.178	8.30	0.91		7
4586.218	291.814	9.37	1.03		7						
4886.413	310.915	8.81	0.79		7	4943.244	272.159	8.34	0.90		7
						5164.438	284.337	8.44	1.04	0.71	5
4917.343	312.883	8.72	0.74		7	5185.507	285.497	8.69	1.22	0.92	5
4918.302	312.944	8.91	0.88		7	5189.467	285.715	9.01	1.36	1.03	5
4934.211	313.956	8.92	0.88		7	5192.465	285.880	9.02	1.31	1.02	5
5165.494	328.672	9.76	1.26	1.01	5						
5167.478	328.799	9.50	1.10	0.82	5	5195.438	286.044	8.86	1.18	0.87	5
						5198.435	286.209	8.27	0.71	0.60	5
5188.423	330.131	9.14	1.11	0.84	5	5201.373	286.370	8.52	1.09	0.79	5
5242.438	333.568	9.99	1.37	1.05	5	5208.421	286.758	9.03	1.35	1.09	5
5274.248	335.592	9.86	1.36	1.14	6	5223.273	287.576	8.82	1.31	0.97	6
5275.255	335.656	9.79	1.29	1.03	6						
						5238.359	288.407	8.56	1.12	0.79	5

TABLE 1 (continued)

YZ CAR						CC CAR					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5244.3	288.736	8.99	1.35	1.04	5	5627.230	1182.258	12.20	1.32		7
5245.342	288.791	9.02	1.30	1.02	5	5639.210	1184.775	11.84	1.18		7
5267.300	290.000	8.90	1.21	0.89	5						
5268.276	290.054	8.81	1.10	0.82	5	5640.224	1184.988	12.02	1.23		7
						5641.215	1185.196	12.14	1.35		7
5270.295	290.165	8.25	0.91	0.61	5						
AQ CAR						CK CAR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4510.351	411.647	8.81	0.96		7	4510.337	914.392	10.28	0.92		7
4519.369	412.570	8.73	0.89		7	4535.289	919.450	10.42	0.96		7
4529.347	463.591	8.75	0.95		7	4536.287	919.653	10.69	1.17		7
4567.212	467.466	8.60	0.84		-7	4564.251	925.322	10.41	1.09		-7
4930.207	504.620	8.82	0.98		-7	4885.375	990.424	10.41	0.95		7
5164.433	528.594	8.74	0.97	0.72	5	4929.253	999.319	10.40	0.97		7
5184.407	530.638	8.80	1.00	0.80	5	5165.397	1047.194	10.86	1.13	0.82	-5
5185.502	530.750	8.97	1.11	0.89	5	5166.386	1047.394	10.25	0.94	0.65	5
5192.457	531.462	8.60	0.86	0.62	5	5184.390	1051.044	10.95	1.24	0.36	-5
5195.430	531.766	9.02	1.11	0.92	5	5185.489	1051.267	10.57	1.03	0.74	5
5198.428	532.073	8.94	0.98	0.72	5	5192.440	1052.676	10.68	1.16	0.84	-5
5201.370	532.374	8.56	0.79	0.54	5	5195.414	1053.279	10.52	1.01	0.72	5
5208.417	533.095	8.88	0.95	0.69	5	5223.267	1058.926	10.89	1.27	0.92	6
5238.354	536.160	8.84	0.91	0.65	5	5239.327	1062.162	10.88	1.19	0.91	-5
5244.340	536.772	9.01	1.12	0.89	5	5242.339	1062.792	10.77	1.22	0.88	-5
5246.317	536.975	9.10	1.09	0.86	5	5244.325	1063.195	10.88	1.12	0.97	-5
5256.304	537.997	9.07	1.08	0.83	5	5245.329	1063.398	10.31	0.97	0.63	5
5257.305	538.099	8.88	0.95	0.67	5	5267.282	1067.849	10.79	1.25	0.96	-5
5267.295	539.122	8.87	0.94	0.66	5	5270.277	1068.456	10.37	1.01	0.73	5
5308.228	543.311	8.78	0.84		7	5274.203	1069.252	10.55	1.06	0.62	6
5309.210	543.412	8.58	0.82		7	5275.223	1069.459	10.37	1.01	0.59	6
5310.215	543.515	8.78	0.93		7						
5335.478	566.571	8.73	0.94		7	CR CAR					
5573.484	570.461	8.67	0.85		7	J.D.	CYCLES	V	B-V	U-B	RF
5611.341	574.336	8.72	0.81		7	4920.302	504.042	11.37	1.21		7
						4921.307	504.145	11.50	1.24		-7
5620.299	575.253	8.76	0.84		7	4930.224	505.058	11.33	1.26		-7
						5164.465	529.054	11.33	1.19	0.92	-5
CC CAR						5167.598	529.334	11.60	1.45	1.06	-5
J.D.	CYCLES	V	B-V	U-B	RF						
4534.352	952.649	11.76	0.99		7	5184.430	531.099	11.41	1.26	1.02	-5
4535.371	952.863	11.90	1.14		7	5185.517	531.210	11.52	1.36	0.88	-5
4562.299	958.521	12.29	1.26		7	5192.483	531.924	11.46	1.20	0.79	-5
4567.267	959.564	12.45	1.16		-7	5195.452	532.228	11.54	1.44	1.18	-5
4925.252	1034.776	11.18	1.40		-7	5223.287	535.080	11.31	1.25	0.72	6
4953.229	1040.653	11.35	0.18		-7	5239.345	536.725	11.56	1.32	0.86	-5
5224.480	1097.642	11.75	1.08		7	5242.353	537.033	11.36	1.18	0.98	-5
5253.276	1103.692	11.69	1.06		7	5244.363	537.239	11.54	1.39	1.22	-5
5281.300	1109.580	11.85	1.18		7	5246.325	537.440	11.77	1.37	0.95	-5
5282.234	1109.776	11.91	1.16		-7	5256.326	538.464	11.76	1.37	0.95	-5
5535.539	1162.994	12.02	1.22		7	5268.282	539.689	11.60	1.33	0.86	-5
5555.500	1167.188	12.20	1.33		7	5270.308	539.897	11.44	1.18	0.85	-5
5567.439	1169.696	11.69	1.09		7	5276.235	540.504	11.84	1.43	0.93	-6
5580.375	1172.414	12.25	1.36		7	5281.249	541.017	11.21	1.17		-7
5595.385	1175.568	12.01	1.19		7	5308.239	543.782	11.64	1.30		7
5609.390	1178.510	12.19	1.24		7	5309.219	543.883	11.46	1.23		7
5623.323	1181.437	12.23	1.30		7	5525.492	567.062	11.31	1.20		7
5624.242	1181.431	11.77	1.07		7	5573.500	570.956	11.44	1.30		7
						5611.369	574.835	11.48	1.22		7

TABLE 1 (continued)

CR CAR						DY CAR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5624.231	576.153	11.44	1.28		7	5166.416	1105.180	11.61	1.29	1.17	-5
CT CAR						5167.454	1105.402	11.77	1.10	0.57	-5
J.D.	CYCLES	V	B-V	U-B	RF	5184.456	1109.039	11.52	1.20	0.92	-5
4517.318	250.177	11.73	1.07		7	5185.525	1109.267	11.76	1.35	0.94	-5
4533.338	251.064	12.39	1.58		7	5189.455	1110.117	11.71	1.31	1.31	-5
4534.311	251.116	12.29	1.26		7	5223.318	1117.352	11.64	1.18	0.86	6
4535.362	251.176	11.67	1.15		7	5224.468	1117.598	10.99	0.78		7
4574.215	253.328	11.94	1.22		-7	5242.404	1121.435	11.44	1.28	0.84	-5
5184.447	287.124	12.20	1.26	1.09	-5	5244.416	1121.865	11.30	1.09	0.82	-5
5189.488	287.403	12.36	1.64		-5	5246.351	1122.279	11.58	1.35	1.07	-5
5192.504	287.570	12.47	1.83		-5	5253.263	1123.758	11.18	0.96		7
5223.303	289.276	11.77	1.19	0.86	6	5256.354	1124.419	11.43	1.15	0.78	-5
5242.371	290.332	11.86	1.17	0.97	-5	5270.336	1127.419	11.51	1.19	0.98	-5
5244.386	290.443	12.08	1.51	1.02	-5	5274.239	1128.245	11.65	1.22	0.87	6
5245.367	290.497	12.32	1.54		-5	5275.241	1128.459	11.33	0.98	0.63	6
5246.335	290.551	12.36	1.94		-5	ER CAR					
5274.222	292.096	12.44	1.40	1.03	-6	J.D.	CYCLES	V	B-V	U-B	RF
5275.230	292.151	11.93	1.20	0.80	-6	4515.424	585.584	6.64	0.69		7
5275.284	292.154	11.87	1.38		-7	4533.364	587.390	7.02	0.91		7
5276.239	292.207	11.71	1.12	0.60	6	4534.384	587.522	6.70	0.71		7
5296.239	293.315	12.01	1.24		7	4834.438	626.401	6.99	0.88		-7
5567.408	308.333	11.88	1.34		7	4835.498	626.538	6.66	0.73		7
5636.221	312.144	12.24	1.25		-7	4890.419	633.654	6.61	0.75		7
5637.270	312.202	11.86	1.07		-7	4943.268	640.503	6.81	0.78		7
5638.252	312.256	11.79	1.27		7	5161.474	668.775	3.69	0.84	0.60	5
CY CAR						5169.456	669.809	6.70	0.85	0.60	5
J.D.	CYCLES	V	B-V	U-B	RF	5176.443	670.714	6.62	0.79	0.54	5
4522.287	1060.120	9.96	1.00		7	5177.441	670.844	6.69	0.85	0.61	5
4890.410	1146.416	9.33	0.86		7	5201.417	673.950	6.79	0.91	0.67	5
4914.333	1152.024	10.00	1.07		7	5208.472	674.864	6.70	0.86	0.61	5
5166.425	1211.119	9.93	1.02	0.84	5	5209.384	674.983	6.81	0.93	0.68	5
5167.489	1211.369	9.45	0.81	0.53	5	5216.371	675.888	6.72	0.84	0.57	6
5242.442	1228.939	10.06	1.12	0.86	5	5236.348	678.476	6.75	0.83	0.57	5
5246.365	1229.859	10.01	1.12	0.89	5	5238.403	678.743	6.65	0.82	0.57	5
5256.360	1232.202	9.70	0.89	0.64	5	5239.375	678.868	6.72	0.86	0.62	5
5270.359	1235.484	9.62	0.93	0.66	5	5253.303	680.673	6.60	0.73		7
5276.251	1236.855	9.91	1.07	0.71	6	5257.333	681.195	7.04	1.04	0.81	5
5282.249	1238.271	5.68	0.83		-7	5292.261	685.724	6.64	0.80	0.55	5
5303.249	1243.194	9.85	0.95		7	5306.198	687.527	6.71	0.78	0.49	6
5308.251	1244.366	9.57	0.81		7	5310.213	688.047	6.89	0.97	0.69	6
5309.204	1244.590	9.69	0.97	0.69	6	5555.534	719.833	6.73	0.85		7
5535.556	1297.651	9.79	0.99		7	5608.340	726.675	6.61	0.74		7
5568.449	1305.362	9.47	0.79		7	5616.359	727.715	6.74	0.78		7
5573.522	1306.551	9.71	0.93		7	5623.335	728.618	6.57	0.68		7
5611.400	1315.431	9.61	0.85		7	5624.253	728.737	6.69	0.79		7
DY CAR						EY CAR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4513.343	965.477	11.39	0.98		7	4517.330	1570.770	10.41	1.01		7
4544.276	972.522	11.09	0.80		7	4520.317	1571.809	10.12	0.76		7
4579.233	979.572	10.96	0.81		7	4532.368	1575.999	10.09	0.76		7
4953.213	1059.572	11.05	0.87		7	4566.213	1587.768	10.56	0.91		-7
5165.467	1104.977	11.49	1.19	0.85	-5	4572.212	1589.854	10.24	0.81		7
						4917.322	1709.856	10.14	0.81		7
						4920.325	1710.900	10.22	0.80		7

TABLE 1 (continued)

EY CAR						FG CAR					
J.D.	CYCLES	V	CONT. B-V	U-B	RF	J.D.	CYCLES	V	CONT. B-V	U-B	RF
5165.436	1796.130	10.19	0.90	0.63	5	5166.437	498.888	11.04	1.45	1.01	-5
5167.430	1796.523	10.09	0.79	0.48	5	5167.496	498.991	10.84	1.29	1.04	-5
5192.508	1805.543	10.46	0.92	0.64	5	5216.347	503.708	11.11	1.45	0.81	6
5198.458	1807.612	10.69	0.81	0.53	5	5253.290	507.275	10.54	1.13		7
5242.381	1822.885	10.01	0.73	0.44	5	5274.261	509.300	10.59	1.14	0.64	6
5244.390	1823.584	10.53	0.91	0.57	5	5275.269	509.397	10.54	1.15	0.84	6
5245.371	1823.925	10.13	0.76	0.50	5	5279.190	509.776	11.09	1.36	1.12	6
5256.310	1827.729	10.44	0.86		7	5304.203	512.191	10.63	1.19	0.86	6
5256.340	1827.739	10.31	0.87	0.60	5	5308.262	512.583	10.79	1.34		7
5270.327	1832.603	10.63	0.89	0.55	5						
5276.246	1834.661	10.53	0.94	0.44	6	FR CAR					
5285.260	1837.795	10.27	0.82		7	J.D.	CYCLES	V	B-V	U-B	RF
5567.421	1935.908	10.02	0.75		7	4520.378	421.783	9.62	1.04		7
5568.437	1936.262	10.42	0.89		7	4521.326	421.872	9.37	0.93		7
5573.511	1938.026	10.12	0.81		7	4533.377	422.996	9.37	1.02		7
5609.330	1950.133	10.26	0.84		7	4865.468	453.983	9.38	1.02		7
F1 CAR						4918.312	458.913	9.38	0.98		7
J.D.	CYCLES	V	B-V	U-B	RF	4929.310	459.940	9.37	0.99		7
4569.252	339.615	11.33	1.43		7	5166.463	482.068	9.46	1.10	0.81	5
4570.286	339.692	11.51	1.53		7	5167.512	482.166	9.60	1.22	0.95	5
5194.526	386.090	11.93	1.85		7	5184.475	483.748	9.69	1.08	0.79	5
5223.400	388.236	11.75	1.75		7	5188.432	484.118	9.52	1.17	0.91	5
5224.442	388.313	11.86	1.65		7	5243.376	489.244	9.71	1.27	1.05	5
5281.287	392.538	11.37	1.42		7	5245.409	489.434	10.03	1.35	1.07	-5
5285.282	392.835	11.55	1.60		7	5246.378	489.524	9.99	1.31	1.01	5
5535.520	411.434	11.70	1.58		7	5250.415	489.901	9.33	0.94	0.66	5
5574.374	414.322	11.84	1.68	-7		5251.384	489.991	9.36	1.02		7
5629.258	418.402	11.72	1.51		7	5256.391	490.459	10.04	1.38	1.09	-5
5630.291	418.478	11.66	1.52		7	5257.349	490.548	9.95	1.28	1.02	5
FN CAR						5272.212	491.935	9.30	1.01	0.65	6
J.D.	CYCLES	V	B-V	U-B	RF	5273.217	492.029	9.39	1.07	0.77	6
4513.375	984.230	11.64	1.10		7	5282.270	492.873	9.52	0.99		7
4546.290	991.408	11.22	0.95		7	5315.219	495.948	9.42	1.02		7
4574.257	997.507	11.35	1.07		7	FZ CAR					
4839.303	1053.305	11.32	1.08		7	J.D.	CYCLES	V	B-V	U-B	RF
4867.383	1061.429	11.24	0.97		7	4533.354	1267.004	11.90	1.15		7
4917.365	1072.328	11.33	0.97		7	4561.295	1274.813	12.85	1.21		7
5184.466	1130.575	11.55	1.08	0.79	-5	4576.233	1278.988	11.91	1.19		7
5216.340	1137.526	11.33	1.06	0.74	6	4580.221	1280.103	11.88	1.29		-7
5223.371	1139.059	11.81	1.23	0.90	6	5184.461	1448.979	11.27	0.54	0.31	-5
5242.446	1143.219	11.67	1.17	0.84	-5	5188.418	1450.085	11.79	1.20	0.79	-5
5270.364	1149.307	11.30	1.08	0.57	-5	5189.503	1450.388	12.03	1.18	0.91	-5
5274.253	1150.155	11.77	1.21	0.83	6	5223.364	1459.852	11.80	1.09	0.73	6
5275.260	1150.374	11.17	0.98	0.63	6	5242.416	1465.177	11.95	1.20	0.92	-5
FO CAR						5244.421	1465.737	11.73	1.14	0.70	-5
J.D.	CYCLES	V	B-V	U-B	RF	5245.389	1466.007	11.76	1.12	0.75	-5
4529.405	437.374	10.52	1.23		7	5270.352	1472.984	11.94	1.19	0.72	-5
4575.253	441.802	11.05	1.44		7	5275.246	1474.352	12.11	1.23	0.92	-6
4578.251	442.091	10.84	1.28		7	GH CAR					
4580.237	442.283	10.48	1.10		-7	J.D.	CYCLES	V	B-V	U-B	RF
4943.256	477.337	10.46	1.12		7	4520.357	789.468	9.07	0.90		7
						4521.277	789.628	9.13	0.93		7
						4585.219	801.320	9.07	0.92		7

TABLE 1 (continued)

GH CAR						GX CAR					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4834.445	844.322	9.02	0.86		-7	5184.379	720.407	9.33	1.02	0.72	5
4835.505	844.507	9.05	0.87		7	5185.480	720.560	8.97	0.90	0.59	5
4921.346	859.499	9.06	0.91		7	5192.434	721.526	8.96	0.87	0.59	5
5163.493	901.789	9.27	0.96	0.71	5	5239.319	728.041	9.52	1.24	0.96	5
5177.448	904.227	9.15	1.01	0.73	5	5242.335	728.460	9.08	0.92	0.64	5
5201.421	908.414	9.01	0.87	0.56	5	5257.296	730.539	8.95	0.87	0.57	5
5208.480	909.646	9.10	0.95	0.63	5	5267.277	731.926	9.39	1.16	0.88	5
5236.357	914.515	9.01	0.98	0.63	5	5270.271	732.342	9.55	1.11	0.85	5
5238.407	914.873	9.24	1.04	0.72	5	5276.220	733.169	9.71	1.28	0.97	6
5243.359	915.738	9.15	0.99	0.69	5						
5245.405	916.095	9.28	1.01	0.71	5						
5256.383	918.012	9.30	1.03	0.72	5						
5257.340	918.180	9.17	0.98	0.66	5						
5292.286	924.283	9.04	0.95	0.62	5						
5555.545	970.260	9.13	0.93		7						
5567.498	972.348	9.04	0.89		7						
5568.460	972.516	9.05	0.92		7						
5580.388	974.599	9.11	0.95		7						
5608.351	979.483	9.06	0.90		7						
5609.405	979.667	9.18	0.96		7						
5611.412	980.017	9.37	1.03		7						
GI CAR						GZ CAR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4512.382	1018.456	8.16	0.81		7	4513.286	1085.225	10.19	0.97		7
4520.368	1020.259	8.38	0.73		7	4517.288	1086.187	10.10	0.91		7
4521.285	1020.465	8.18	0.63		7	4521.249	1087.139	10.22	0.95		7
4530.405	1022.524	8.14	0.66		7	4529.339	1089.085	10.10	0.94		7
4835.513	1091.388	8.24	0.67		7	4561.214	1096.749	10.20	1.01		7
4867.395	1098.584	8.21	0.64		7	4812.445	1157.158	10.19	0.97		7
5169.479	1166.763	8.30	0.76	0.51	5	4869.403	1170.853	10.18	0.94		7
5176.459	1166.340	8.25	0.73	0.48	5	4886.321	1174.921	10.11	0.90		7
5177.461	1168.566	8.12	0.67	0.43	5	4895.331	1177.088	9.98	0.93		-7
5201.431	1173.976	8.42	0.82	0.56	5	4917.294	1182.369	10.34	1.10		7
5208.491	1175.570	8.11	0.68	0.43	5	4919.306	1182.853	10.21	0.95		7
5236.370	1181.862	8.31	0.81	0.55	5	4924.250	1184.041	10.06	0.89		-7
5238.420	1182.325	8.28	0.74	0.49	5	4931.196	1185.711	10.37	1.04		-7
5243.372	1183.443	8.14	0.68	0.42	5	4943.210	1188.600	10.34	1.04		-7
5250.410	1185.021	8.41	0.82	0.55	5	5164.417	1241.790	10.45	1.10	0.79	5
5253.313	1185.686	8.27	0.71		7	5166.411	1242.269	10.26	0.97	0.72	5
5292.299	1194.485	8.11	0.67	0.41	5	5184.396	1246.594	10.41	1.10	0.81	5
5304.217	1197.175	8.42	0.82	0.49	6	5185.494	1246.858	10.16	0.93	0.63	5
5310.226	1198.532	8.24	0.67		7	5192.446	1248.529	10.28	1.08	0.79	5
5328.216	1202.592	8.23	0.68		7	5195.419	1249.244	10.17	1.03	0.68	5
						5198.418	1249.965	10.09	1.00	0.67	5
						5239.331	1259.803	10.20	1.01	0.71	5
						5242.345	1260.528	10.35	1.02	0.76	5
						5244.329	1261.005	9.99	0.91	0.61	5
						5245.338	1261.247	10.19	1.01	0.80	5
						5257.300	1264.124	10.12	1.00	0.73	5
						5270.286	1267.246	10.16	0.99	0.68	5
						5274.208	1268.189	10.05	0.96	0.53	6
						5276.225	1268.674	10.37	1.06	0.64	6
GX CAR						HK CAR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4522.252	628.400	9.33	1.01		7	4529.412	676.443	10.05	0.95		7
4523.270	628.501	8.98	0.86		7	4535.374	677.333	9.98	0.92		7
4531.328	629.661	9.12	0.99		7	4588.211	682.237	10.10	0.97		-7
4545.232	631.593	9.06	0.90		7	4917.373	734.383	10.00	0.99		7
4839.261	672.450	9.12	0.93		7	4924.314	735.419	10.04	0.98		-7
5163.419	717.494	8.96	0.86	0.57	3	5163.478	771.137	10.29	1.16	0.82	5
5164.408	717.632	9.09	0.97	0.65	5	5166.451	771.581	10.06	1.08	0.74	5
5166.381	717.906	9.30	1.18	0.87	5	5216.364	779.035	10.44	1.13	0.84	6
						5245.401	783.372	9.96	0.99	0.64	5

TABLE 1 (continued)

HK CAR						RS CAS					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5272.203	787.375	10.00	0.95	0.59	6	6793.868	1079.159	9.85	1.49	1.10	3
5306.204	792.453	10.04	0.98	0.66	6	6796.845	1079.632	10.34	1.68		2
5310.209	793.051	10.44	1.16	0.64	6	6806.881	1081.226	9.93	1.52	1.11	2
						6807.800	1081.372	10.03	1.61	1.13	3
IT CAR						6807.884	1081.386	10.07	1.57	1.21	2
J.D.	CYCLES	V	B-V	U-B	RF	6808.810	1081.533	10.22	1.64	1.25	3
4546.300	603.310	8.19	1.01		7	6808.827	1081.535	10.27	1.65	1.30	2
4847.333	643.258	8.20	1.06		7	6809.793	1081.689	10.29	1.59	1.29	3
4907.294	651.215	8.17	1.04		7	6810.848	1081.856	9.65	1.32	0.88	3
4908.246	651.341	8.26	1.10		7	6811.809	1082.009	9.61	1.37	0.89	3
4914.344	652.150	8.12	0.99		7	6812.767	1082.161	9.88	1.49	1.08	2
4916.278	652.407	8.33	1.09		7	6815.893	1082.658	10.32	1.67	1.33	2
4924.324	653.475	8.37	1.12		7	6816.790	1082.800	9.90	1.43	0.99	3
4930.292	654.267	8.18	1.07		7	6817.794	1082.960	9.57	1.33	0.98	3
5161.480	684.946	7.97	0.94	0.69	5	6825.677	1084.212	9.93	1.53		4
5169.461	686.005	7.98	0.97	0.72	5	6825.850	1084.241	9.94	1.53		4
5176.452	686.933	7.93	0.94	0.71	5	6826.862	1084.400	10.12	1.62		4
5177.452	687.066	7.99	0.99	0.77	5	6827.656	1084.526	10.27	1.66		4
5201.427	690.247	8.14	1.05	0.82	5	6827.868	1084.560	10.28	1.69		4
5208.484	691.184	8.04	1.05	0.77	5	6829.857	1084.873	9.61	1.29		4
5236.361	694.883	7.99	0.93	0.67	5	6830.820	1085.029	9.70	1.37		4
5238.415	695.156	8.07	1.02	0.78	5	6832.815	1085.346	10.04	1.56		4
5239.379	695.284	8.16	1.07	0.82	5	6833.667	1085.481	10.22	1.66		4
5243.363	695.812	7.93	0.91	0.65	5	6837.650	1086.114	9.82	1.45		4
5246.370	696.211	8.11	1.05	0.79	5	6837.871	1086.149	9.87	1.50		4
5251.372	696.87	7.97	0.90		7	6843.709	1087.076	9.73	1.41		4
5282.260	700.974	8.16	0.99		7	6845.754	1087.401	10.10	1.57	1.25	3
5292.291	702.305	8.18	1.08	0.84	5	6846.715	1087.554	10.26	1.67		4
5309.213	704.551	8.21	1.06	0.77	6	6846.763	1087.561	10.24	1.67	1.23	-3
5328.208	707.072	8.14	0.98		7	6847.690	1087.708	10.26	1.61		4
5567.506	738.827	7.97	0.90		7	6848.676	1087.865	9.61	1.30		4
5573.532	739.627	8.17	0.98		7	6848.784	1087.882	9.57	1.27	0.92	3
5574.383	739.740	7.99	0.92		-7	6849.763	1088.038	9.66	1.41	0.99	3
5611.421	744.655	8.16	0.98		7	6852.605	1088.489	10.21	1.69	1.30	2
5620.309	745.834	7.97	0.88		7	6853.696	1088.662	10.33	1.62	1.26	2
5621.394	745.978	8.02	0.96		7	6857.655	1089.291	9.98	1.54		2
RS CAS						6866.638	1090.718	10.24	1.60		4
J.D.	CYCLES	V	B-V	U-B	RF	6867.636	1090.877	9.57	1.28		4
6741.871	1070.900	9.55	1.28		2	6869.625	1091.193	9.83	1.50		4
6742.841	1071.054	9.73	1.42		2	6876.654	1092.309	10.00	1.52		4
6745.917	1071.543	10.28	1.70		2	6879.626	1092.781	9.97	1.45		4
6746.866	1071.693	10.33	1.63		2	6880.628	1092.940	9.55	1.28		4
6748.934	1072.022	9.66	1.38		2	6941.570	1102.621	10.30	1.69		4
6749.940	1072.182	9.86	1.50		2	6942.591	1102.783	9.98	1.48		4
6759.911	1073.765	10.09	1.51		2	6943.580	1102.940	9.56	1.30		4
6760.912	1073.924	9.59	1.27		2	6954.572	1104.686	10.30	1.62		4
6774.920	1076.149	9.81	1.50		3	6955.560	1104.843	9.73	1.36		4
6783.960	1077.585	10.31	1.67		3	6979.581	1108.658	10.30	1.65		4
6784.857	1077.728	10.22	1.56		3	6980.575	1108.816	9.83	1.41		4
6786.907	1078.053	9.73	1.34	1.07	3	7184.835	1141.262	9.90	1.55	1.18	1
6787.894	1078.210	9.92	1.51	1.11	3	7203.844	1144.281	9.98	1.55	1.15	1
6789.986	1078.543	10.25	1.60		3	7206.756	1144.744	10.16	1.56	1.17	1
6791.892	1078.845	9.72	1.32	0.94	3	7217.716	1146.485	10.21	1.70	1.28	1
6792.825	1078.994	9.60	1.34	0.92	3	7220.727	1146.963	9.57	1.30	0.96	1
						7221.735	1147.123	9.81	1.46	1.04	1
						7240.715	1150.138	9.80	1.46	1.13	1
						7241.756	1150.303	9.99	1.55	1.17	1

TABLE 1 (continued)

RS CAS						RW CAS					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7251.689	1151.881	9.57	1.28	0.88	1	7635.657	515.993	9.08	1.33	1.08	1
7253.656	1152.193	9.90	1.52	1.10	1	7645.759	515.675	9.08	1.09	0.79	1
7267.626	1154.412	10.10	1.61	1.25	1	7646.655	516.736	8.57	0.92	0.65	1
7273.606	1155.362	10.02	1.57	1.25	1	7647.656	516.803	8.73	0.99	0.76	1
						7649.681	516.940	9.03	1.22	0.95	1
						7654.666	517.277	9.54	1.60	1.39	1
RW CAS						RW CAS					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
3151.927	212.997	8.93	1.27		8	7656.633	517.410	9.75	1.54	1.40	1
3152.913	213.064	9.06	1.36		8	7658.675	517.548	9.34	1.36	0.88	1
3153.962	213.134	9.23	1.43		8	7660.655	517.682	8.96	1.03	2.73	1
3154.920	213.199	9.36	1.45		8						
3158.882	213.467	9.80	1.58		8	RY CAS					
						J.D.	CYCLES	V	B-V	U-B	RF
3159.832	213.534	9.70	1.50		8	6741.885	555.569	10.10	1.51		2
3173.895	214.819	8.85	0.97		8	6742.887	555.652	10.25	1.61		2
3179.792	214.680	8.88	1.09		8	6745.931	555.902	10.31	1.51		2
3180.795	214.948	8.92	1.21		8	6746.971	555.980	10.18	1.41		2
3206.722	216.700	9.41	1.29		8	6748.937	556.150	9.67	1.21		2
3233.656	218.520	9.71	1.54		8	6749.946	556.233	9.39	1.13		2
3238.660	218.858	8.80	1.07		8	6757.859	556.885	10.35	1.54		2
6825.712	461.259	9.59	1.54		4	6759.917	557.055	9.97	1.34		2
6825.871	461.270	9.54	1.57		4	6760.919	557.138	9.77	1.23		2
6826.881	461.338	9.68	1.59		4	6774.958	558.294	9.59	1.25	0.93	3
6827.754	461.397	9.76	1.59		4	6784.906	559.114	9.81	1.26	0.95	3
6827.922	461.408	9.75	1.59		4	6787.934	559.364	9.75	1.32	1.02	3
6828.850	461.471	9.73	1.50		4	6791.921	559.692	10.26	1.61		3
6829.920	461.544	9.52	1.37		4	6792.879	559.771	10.33	1.57		3
6830.916	461.611	9.44	1.27		4	6793.892	559.855	10.33	1.56	1.20	3
6832.875	461.743	8.63	0.88		4	6796.834	560.097	9.69	1.29		2
6837.760	462.073	9.21	1.39		4	6806.819	560.920	10.26	1.49	1.20	-3
6843.826	462.483	9.66	1.49		4	6806.873	560.924	10.25	1.51	1.13	2
6847.756	462.749	8.63	0.90		4	6807.809	561.002	10.06	1.41	0.96	3
6942.639	469.161	9.36	1.46		4	6808.817	561.085	9.91	1.26	0.97	2
6949.691	469.637	9.43	1.26		4	6808.863	561.088	9.92	1.33	0.93	3
6951.650	469.770	8.74	0.96		4	6809.629	561.168	9.57	1.19	0.88	3
6953.643	469.904	8.92	1.15		4	6810.779	561.246	9.44	1.15	0.90	2
6954.639	469.972	9.02	1.26		4	6810.865	561.253	9.47	1.17	0.84	3
6975.606	471.388	9.73	1.56		4	6811.820	561.332	9.74	1.31	0.99	2
6974.608	471.659	9.33	1.22		4	6811.873	561.336	9.71	1.31	0.98	3
6980.603	471.726	8.59	0.85		4	6812.659	561.402	9.84	1.37	1.05	2
6981.596	471.793	8.76	0.98		4	6812.867	561.418	9.86	1.36	1.03	3
6982.609	471.862	8.85	1.08		4	6813.730	561.489	9.93	1.46	1.09	2
7155.856	483.569	9.47	1.29	1.37	1	6813.861	561.500	9.97	1.45	1.27	3
7162.917	484.046	9.15	1.40	1.34	1	6814.871	561.579	10.11	1.54	1.13	1
7267.681	491.126	9.27	1.45	1.27	1	6816.761	561.739	10.36	1.59	1.40	2
7522.921	508.374	9.76	1.56	1.45	1	6817.758	561.821	10.38	1.58	1.29	2
7592.767	513.094	9.18	1.42	1.22	1	6827.668	562.638	10.21	1.62		4
7593.798	513.164	9.34	1.47	1.29	1	6827.881	562.656	10.23	1.60		4
7595.837	513.302	9.61	1.58	1.42	1	6830.857	562.901	10.31	1.52		4
7597.791	513.434	9.68	1.53	1.41	1	6832.847	563.065	9.95	1.32		4
7600.745	513.633	9.42	1.27	1.01	1	6833.795	563.143	9.70	1.24		4
7601.655	513.695	8.81	0.94	0.70	1	6836.735	563.385	9.77	1.36	1.13	2
7619.692	514.914	8.92	1.19	0.95	1	6837.677	563.463	9.0	1.43		4
7621.740	515.052	9.12	1.38	1.20	1	6844.796	564.049	9.97	1.36	0.94	3
7623.665	515.182	9.37	1.50	1.34	1	6845.797	564.132	9.77	1.26	0.94	3
7625.691	515.319	9.84	1.56	1.54	1	6846.670	564.204	9.43	1.11	0.89	2
7626.717	515.388	9.70	1.57	1.38	1	6846.754	564.214	9.41	1.11	0.88	3

TABLE 1 (continued)

RY CAS						SW CAS					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6846.892	564.222	5.34	1.11	0.85	2	6741.816	1239.090	10.03	1.31		2
						6742.877	1239.285	9.61	1.05		2
6847.709	564.290	9.59	1.19		4	6745.822	1239.827	9.88	1.20		2
6848.697	564.371	9.76	1.35		4	6746.860	1240.017	9.97	1.29		2
6853.702	564.783	10.36	1.61	1.33	2	6748.924	1240.397	9.35	0.96		2
6858.587	565.186	9.50	1.15		2						
6866.706	565.855	10.35	1.55		4	6749.931	1240.582	9.59	0.99		2
						6757.853	1242.038	10.04	1.29		2
6867.691	565.936	10.20	1.49		4	6758.819	1242.215	9.90	1.17		2
6869.682	566.100	9.85	1.30		4	6759.903	1242.415	9.39	0.98		2
6876.748	566.682	10.24	1.39		4	6768.936	1244.075	9.97	1.24		3
6879.681	566.924	10.22	1.45		4						
6880.675	567.006	10.03	1.38		4	6772.963	1244.615	9.77	1.21	0.79	3
						6773.948	1244.996	9.92	1.30	0.88	3
6943.593	572.191	9.49	1.11		4	6774.896	1245.170	9.92	1.21	0.77	3
6948.588	572.603	10.11	1.56		4	6781.956	1246.468	9.30	0.98	0.73	2
6955.609	573.181	9.52	1.15		4	6785.982	1247.208	9.78	1.21	0.69	3
6975.591	574.828	10.36	1.39		4						
5980.581	575.239	9.46	1.13		4	6786.898	1247.376	9.34	0.94	0.64	3
						6787.888	1247.558	9.60	1.06	0.67	3
6982.582	575.404	9.78	1.34		4	6791.854	1248.287	9.56	1.03	0.68	3
						6792.817	1248.464	9.38	1.00	0.70	3
						6793.819	1248.648	9.58	1.17	0.73	3
SU CAS											
J.D.	CYCLES	V	B-V	U-B	RF						
6825.775	3501.620	6.01	0.74		4	6805.818	1250.853	9.89	1.11	0.90	3
6825.882	3501.675	6.00	0.77		4	6806.801	1251.034	9.95	1.24	0.88	3
6826.885	3502.190	5.87	0.69		4	6806.853	1251.044	10.00	1.30	0.98	2
6827.758	3502.638	6.03	0.75		4	6808.801	1251.402	9.33	0.95	0.67	3
6827.975	3502.749	6.04	0.77		4	6810.797	1251.768	9.70	1.23	0.83	3
6828.861	3503.203	5.87	0.68		4	6811.800	1251.953	9.89	1.23	0.95	3
6829.930	3503.752	6.09	0.80		4	6812.798	1252.136	9.97	1.23	0.96	3
6830.956	3504.278	5.75	0.62		4	6813.790	1252.319	9.44	0.99	0.68	3
6837.819	3507.799	6.10	0.81		4	6814.805	1252.505	9.45	1.04	0.72	3
6837.952	3507.867	6.15	0.81		4	6815.793	1252.687	9.68	1.15	0.85	3
6843.887	3510.912	6.12	0.79		4	6817.778	1253.052	9.96	1.23	0.93	3
6847.801	3512.920	6.14	0.80		4	6819.775	1253.419	9.35	0.97	0.67	3
6847.845	3512.942	6.15	0.80		4	6827.650	1254.866	9.84	1.25		4
7215.774	3701.690	6.01	0.77	0.45	1	6827.803	1254.905	9.89	1.25		4
7222.750	3705.268	5.79	0.65	0.41	1	6828.838	1255.084	10.04	1.32		4
7240.772	3714.513	5.87	0.70	0.40	1	6829.815	1255.264	9.67	1.07		4
7267.713	3728.334	5.77	0.65	0.40	1	6830.805	1255.446	9.39	0.99		4
7592.780	3895.094	6.04	0.75	0.51	1	6831.796	1255.628	9.64	1.11		4
7597.784	3897.661	5.99	0.74	0.51	1	6832.746	1255.803	9.80	1.25		4
7600.756	3899.185	5.91	0.69	0.48	1	6833.643	1255.967	9.95	1.30		4
7601.660	3899.649	6.04	0.74	0.52	1	6837.625	1256.699	9.70	1.17		4
7619.815	3908.962	6.16	0.81	0.54	1	6837.860	1256.742	9.75	1.24		4
7621.777	3909.969	6.17	0.81	0.54	1	6843.691	1257.814	9.79	1.22		4
7623.696	3910.954	6.13	0.81	0.54	1	6844.708	1258.016	9.96	1.23	0.86	3
7625.742	3912.003	6.13	0.78	0.58	1	6845.712	1258.186	9.86	1.22	0.92	2
7626.745	3912.517	5.85	0.70	0.50	1	6845.745	1258.192	9.89	1.17	0.83	3
7635.683	3917.103	6.06	0.77	0.50	1	6846.675	1258.363	9.38	0.94		4
7645.789	3922.287	5.79	0.65	0.45	1	6846.697	1258.367	9.38	0.93		4
7646.692	3922.751	6.03	0.83	0.53	1	6846.726	1258.372	9.33	0.94	0.76	2
7647.676	3923.255	5.82	0.82	0.43	1	6846.754	1258.377	9.54	0.95	0.61	3
7649.761	3924.325	5.79	0.65	0.42	1	6847.674	1258.546	9.51	1.08		4
7654.687	3926.852	6.13	0.80	0.54	1	6847.777	1258.565	9.52	1.08	0.75	3
7655.716	3927.380	5.80	0.66	0.50	1	6848.160	1258.727	9.72	1.20		4
7656.652	3927.860	6.16	0.78	0.53	1	6849.763	1258.930	9.87	1.31	0.98	2
7663.556	3931.453	5.82	0.64	0.50	1	6852.718	1259.473	9.40	1.00	0.73	2
						6853.640	1259.643	9.67	1.12	0.83	2
						6856.648	1260.196	9.89	1.20		2

TABLE 1 (continued)

SW CAS						SY CAS					
CONT.			CONT.			CONT.			CONT.		
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6857.649	1250.350	9.37	0.98		2	6852.745	1683.287	10.20	1.14	0.80	2
6858.727	1260.578	9.54	1.08		2	6853.739	1683.531	9.52	0.80	0.62	2
6866.611	1262.027	9.98	1.29		4	6856.661	1684.249	10.21	1.16		2
6867.615	1262.211	9.85	1.16		4	6857.678	1684.499	9.66	0.88		2
6869.602	1262.576	9.55	1.10		4	6858.739	1684.759	9.68	0.93		2
6876.636	1263.869	9.64	1.23		4	6866.746	1636.726	9.67	0.90		4
6879.600	1264.414	9.35	0.95		4	6876.786	1689.192	10.19	1.15		4
6880.811	1264.800	9.55	1.11		4	6879.720	1689.913	9.89	1.06		4
6943.362	1276.176	9.98	1.24		4	6880.710	1690.156	10.15	1.13		4
6953.571	1278.009	9.95	1.29		4	6942.616	1703.363	10.23	1.12		4
6954.562	1278.191	9.91	1.20		4	6948.608	1706.834	9.81	1.00		4
6955.555	1278.374	9.36	0.96		4	6951.625	1707.578	9.43	0.79		4
6971.561	1281.319	9.45	1.00		4	6953.619	1708.065	10.09	1.11		4
						6954.624	1708.312	10.24	1.13		4
						6955.633	1708.560	9.48	0.79		4
						6955.583	1708.548	9.49	0.80		4
						6971.614	1712.486	9.77	0.88		4
						6975.595	1713.463	9.91	0.94		4
						6978.590	1714.199	10.18	1.16		4
						6979.598	1714.447	9.98	0.98		4
						6980.593	1714.691	9.58	0.86		4
						6982.598	1715.184	10.17	1.13		4
						6983.591	1715.428	10.07	1.03		4
						7522.900	1847.902	9.91	1.03	0.72	1
SY CAS						SZ CAS					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6766.935	1662.214	10.15	1.19	0.74	3	6805.996	499.706	10.01	1.57	1.13	-3
6768.918	1662.696	9.58	0.93		3	6806.989	499.779	9.98	1.52	1.25	3
6772.982	1663.694	9.60	0.88	0.74	3	6807.992	499.853	9.92	1.51	1.12	3
6784.975	1666.640	9.51	0.83	0.57	3	6808.992	499.926	9.84	1.44	1.03	3
6787.976	1667.377	10.16	1.13	0.73	3	6809.984	499.999	9.67	1.43	0.94	3
6791.983	1668.362	10.21	1.08	0.75	3	6810.991	500.073	9.61	1.37	0.93	3
6792.933	1668.595	9.46	0.79	0.60	3	6811.971	500.145	9.62	1.40	0.97	3
6793.956	1668.845	9.81	1.03	0.70	3	6812.943	500.216	9.70	1.44	1.06	3
6805.927	1671.787	9.73	0.96	0.64	3	6813.938	500.289	9.74	1.51	1.05	3
6806.892	1672.024	10.02	1.12	0.78	2	6814.975	500.365	9.83	1.51	1.16	3
6806.907	1672.027	10.03	1.12	0.66	3	6815.946	500.437	9.90	1.56	1.14	3
6807.892	1672.269	10.22	1.17	0.86	2	6816.825	500.501	9.97	1.63	1.17	2
6808.809	1672.495	9.70	0.88	0.62	2	6816.933	500.509	9.94	1.62	1.15	3
6808.889	1672.514	9.57	0.87	0.57	3	6817.851	500.576	10.01	1.60	1.19	2
6809.741	1672.724	9.70	0.93	0.62	2	6817.897	500.580	9.98	1.59	1.24	3
6810.810	1672.936	10.00	1.10	0.79	2	6818.831	500.648	10.02	1.60	1.16	2
6811.829	1673.236	10.25	1.15	0.75	2	6818.882	500.652	10.02	1.62	1.23	3
6812.885	1673.496	9.67	0.89	0.62	3	6819.806	500.720	10.02	1.57	1.12	2
6812.949	1673.512	9.57	0.86	0.57	2	6820.814	500.794	9.98	1.55	1.10	2
6813.695	1673.695	9.62	0.88	0.65	2	6825.768	501.158	9.69	1.44		4
6813.877	1673.740	9.67	0.93	0.67	3	6825.879	501.166	9.63	1.45		4
6814.890	1673.988	9.97	1.13	0.73	3	6827.780	501.305	9.81	1.53		4
6815.825	1674.218	10.19	1.19	0.81	3	6827.957	501.318	9.80	1.53		4
6816.368	1674.474	9.82	0.92	0.65	3	6830.945	501.538	9.99	1.61		4
6817.785	1674.699	9.60	0.90	0.60	3	6832.892	501.681	10.03	1.56		4
6818.748	1674.936	9.92	1.07	0.75	3	6833.872	501.753	9.96	1.56	1.14	2
6827.689	1677.132	10.18	1.11		4	6834.916	501.829	9.88	1.52	1.10	2
6827.892	1677.182	10.18	1.15		4	6836.883	501.974	9.70	1.40	1.12	2
6830.878	1677.916	9.93	1.04		4	6837.792	502.041	9.65	1.40		4
6833.799	1678.632	9.49	0.83	0.64	2						
6837.698	1679.591	9.45	0.77		4						
6837.888	1679.637	9.51	0.83		4						
6844.842	1681.346	10.22	1.14	0.84	3						
6845.749	1681.568	9.39	0.80	0.61	2						
6845.812	1681.584	9.42	0.81	0.60	3						
6846.808	1681.829	9.79	1.01	0.73	3						
6846.844	1681.837	9.77	1.01	0.76	2						
6846.708	1682.295	10.21	1.15		4						
6848.814	1682.321	10.22	1.16	0.73	3						
6849.794	1682.562	9.44	0.81	0.61	3						

TABLE 1 (continued)

SZ CAS		CONT.				TU CAS		CONT.			
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5843.861	502.466	9.91	1.61		4	6783.981	3171.122	7.92	0.67	0.36	3
						6783.991	3171.127	7.90	0.68	0.37	3
6845.886	502.635	10.02	1.59	1.11	-3	6784.001	3171.131	7.91	0.65	0.29	3
6847.704	502.774	9.97	1.56		4	6784.985	3171.591	7.67	0.58	0.35	3
6847.911	502.784	9.97	1.51		4	6791.990	3174.866	7.95	0.74	0.45	3
6849.784	502.921	9.81	1.46	1.08	2						
6849.907	502.930	9.81	1.44	0.95	3	6792.951	3175.310	7.12	0.34	0.34	3
						6793.958	3175.786	7.96	0.74	0.43	3
6852.774	503.141	9.61	1.42	1.00	2	6796.857	3177.141	8.02	0.74		2
6853.795	503.216	9.68	1.47	1.10	2	6805.938	3181.386	7.58	0.53	0.35	3
6856.731	503.431	9.89	1.57		2	6806.916	3181.843	7.87	0.72	0.43	3
6857.697	503.502	9.95	1.60		2						
6858.796	503.583	9.97	1.59		2	6806.927	3181.848	7.89	0.69	0.41	2
						6807.893	3182.299	7.24	0.36	0.32	3
6866.829	504.173	9.64	1.42		4	6807.916	3182.310	7.12	0.37	0.31	2
6867.812	504.245	9.71	1.46		4	6808.836	3182.740	7.94	0.73	0.44	2
5869.876	504.396	9.84	1.56		4	6808.896	3182.768	7.95	0.76	0.47	3
6876.872	504.910	9.82	1.47		4						
6879.842	505.128	9.56	1.39		4	6809.733	3183.159	7.83	0.63	0.33	2
						6809.911	3183.243	7.53	0.50	0.34	3
6880.816	505.199	9.66	1.44		4	6809.949	3183.260	7.50	0.46	0.35	2
6942.647	509.739	10.00	1.55		4	6810.712	3183.617	7.75	0.59	0.36	2
6953.656	510.547	9.96	1.62		4	6810.924	3183.716	7.81	0.67	0.39	3
6954.651	510.621	10.01	1.59		4						
6955.642	510.693	10.02	1.57		4	6810.731	3183.719	7.82	0.67	0.40	2
						6811.783	3184.118	8.01	0.66	0.44	2
6971.634	511.867	9.91	1.50		4	6811.834	3184.142	8.01	0.70	0.40	2
6972.630	511.941	9.80	1.46		4	6811.920	3184.182	7.98	0.70	0.42	3
6978.612	512.380	9.82	1.56		4	6811.926	3184.185	7.95	0.68	0.41	2
6979.617	512.454	9.89	1.59		4						
6981.670	512.600	10.00	1.61		4	6811.999	3184.219	7.87	0.65	0.36	2
						6812.706	3184.549	7.53	0.35	0.33	2
6982.624	512.674	9.98	1.57		4	6812.617	3184.601	7.62	0.57	0.38	2
						6812.908	3184.644	7.68	0.63	0.39	2
						6812.914	3184.646	7.71	0.61	0.40	3
TU CAS						6813.884	3185.100	8.12	0.76	0.47	3
J.D.	CYCLES	V	B-V	U-B	RF	6814.896	3185.573	7.76	0.68	0.40	3
6742.901	3151.919	7.95	0.70		2	6815.873	3185.030	8.00	0.72	0.42	3
6745.943	3153.341	7.23	0.36		2	6816.876	3186.498	7.49	0.51	0.35	3
6746.883	3153.781	7.95	0.71		2	6817.803	3186.932	7.98	0.75	0.45	3
6751.960	3156.154	7.87	0.66	0.35	3						
6757.902	3158.931	8.05	0.75		2	6818.760	3187.379	7.20	0.38	0.37	3
						6818.791	3187.394	7.27	0.39	0.37	3
6758.884	3159.391	7.64	0.48		2	6819.798	3187.864	7.99	0.77	0.47	3
6759.932	3159.880	7.95	0.71		2	6845.760	3200.000	8.10	0.74	0.42	2
6760.932	3160.348	7.09	0.30		2	6845.818	3200.027	8.08	0.78	0.47	3
6766.842	3163.110	8.12	0.75	0.46	3	6846.815	3200.493	7.68	0.62	0.37	3
6766.908	3163.141	8.03	0.71	0.42	3	6848.821	3201.431	7.28	0.43	0.32	3
						6849.822	3201.899	8.01	0.75	0.44	3
6766.947	3163.159	7.96	0.71	0.37	3	6853.746	3203.733	7.76	0.62	0.40	2
6768.826	3164.038	8.00	0.72	0.48	3	6856.666	3205.098	8.01	0.71		2
6768.906	3164.075	7.95	0.70	0.42	3						
6769.952	3164.564	7.52	0.49	0.41	3	6858.745	3206.070	8.00	0.69		2
6774.909	3166.881	7.87	0.71	0.38	3						
UZ CAS						J.D.	CYCLES	V	B-V	U-B	RF
6783.835	3171.054	8.26	0.66	0.43	3	6742.933	1583.049	11.61	1.18		2
6783.842	3171.057	8.06	0.73	0.41	3	6746.931	1583.988	11.60	1.15		2
6783.846	3171.059	8.05	0.73	0.41	3	6757.921	1586.568	11.33	1.18		2
6783.881	3171.075	8.03	0.70	0.43	3	6759.619	1587.037	11.68	1.08		2
6783.890	3171.079	8.01	0.70	0.39	3	6796.889	1593.717	11.51	1.17		2
6783.899	3171.084	8.00	0.72	0.39	3	6809.810	1596.750	11.55	1.20	0.77	2
6783.910	3171.089	7.99	0.72	0.39	3	6810.856	1598.996	11.66	1.16	0.74	2
6783.919	3171.093	7.96	0.68	0.42	3						
6783.920	3171.098	7.94	0.70	0.37	3						
6783.971	3171.117	7.93	0.67	0.37	3						

TABLE 1 (continued)

UZ CAS						VV CAS					
CONT.			CONT.			CONT.			CONT.		
J.O.	CYCLES	V	B-V	U-B	RF	J.O.	CYCLES	V	B-V	U-B	RF
6811.863	1599.232	10.92	0.89	0.61	2	6815.938	1098.008	10.32	0.90	0.67	3
6812.955	1599.488	11.21	1.12	0.68	2	6816.834	1098.152	10.49	1.03	0.70	2
6813.937	1599.719	11.51	1.27	0.80	2	6816.927	1098.167	10.41	1.07	0.64	3
6814.709	1599.900	11.70	1.27	0.89	2	6817.825	1098.312	10.70	1.17	0.79	2
6815.883	1600.176	11.1	0.93	0.65	2	6818.815	1098.471	10.84	1.23	0.84	2
6816.694	1600.366	11.13	1.02	0.61	2	6820.795	1098.790	11.18	1.31	0.94	2
6817.770	1600.619	11.51	1.13	0.84	2	6827.762	1099.913	10.80	1.07		4
6827.747	1602.961	11.71	1.30		4	6827.937	1099.941	10.60	1.05		4
6827.931	1603.004	11.73	1.23		4	6830.930	1100.423	10.79	1.20		4
6829.909	1603.469	11.28	1.10		4	6832.857	1100.738	11.16	1.32		4
6830.904	1603.702	11.53	1.19		4	6833.854	1100.894	10.89	1.19	0.71	2
6837.750	1605.310	11.01	0.91		4	6837.775	1101.526	10.93	1.28		4
6843.818	1606.734	11.53	1.20		4	6843.836	1102.502	10.86	1.25		4
6845.792	1607.198	10.94	0.86	0.73	2	6845.871	1102.830	11.13	1.26	0.94	-3
6847.748	1607.657	11.46	1.18		4	6845.861	1102.831	11.08	1.27	0.90	2
6848.749	1607.892	11.67	1.27		4	6846.875	1102.997	10.34	0.95	0.65	3
6853.763	1609.069	11.56	1.19		2	6847.765	1103.135	10.41	1.00		4
6856.697	1609.758	11.54	1.22		2	6847.899	1103.157	10.46	1.01		4
6858.767	1610.244	11.01	0.81		2	6848.757	1103.296	10.69	1.18		4
6866.762	1612.121	11.39	1.04		4	6848.880	1103.315	10.70	1.18	0.79	-3
6867.773	1612.358	11.08	0.95		4	6849.850	1103.471	10.80	1.24	0.97	-3
6869.819	1612.838	11.62	1.26		4	6853.784	1104.105	10.41	0.93	0.74	-2
6876.823	1614.483	11.27	1.10		4	6856.717	1104.577	11.00	1.28		2
6879.765	1615.173	11.04	0.91		4	6858.791	1104.911	10.77	1.10		2
6880.760	1615.407	11.16	1.01		4	6866.812	1106.203	10.54	1.08		4
6942.635	1629.934	11.71	1.23		4	6867.799	1106.362	10.77	1.17		4
6949.686	1631.589	11.42	1.18		4	6869.846	1106.692	11.10	1.34		4
6953.634	1632.516	11.33	1.10		4	6876.864	1107.823	11.11	1.28		4
6954.636	1632.751	11.61	1.20		4	6878.859	1108.297	10.65	1.16		4
6977.609	1638.144	11.22	0.99		4	6880.905	1108.457	10.82	1.23		4
6979.602	1638.512	11.45	1.14		4	6940.717	1118.109	10.37	1.31		4
6981.593	1639.080	11.60	1.14		4	6949.697	1119.556	11.00	1.29		4
6982.606	1639.318	11.02	0.94		4	6951.659	1119.872	11.00	1.19		4
6983.614	1639.554	11.44	1.13		4	6971.630	1123.089	10.39	0.97		4
7215.735	1694.050	11.67	1.21	0.80	1	6972.618	1123.248	10.61	1.13		4
VV CAS						6977.620	1124.054	10.28	0.94		4
J.O.	CYCLES	V	B-V	U-B	RF	6982.617	1124.859	11.02	1.21		4
6792.995	1094.312	10.72	1.20	0.85	-3	6983.630	1125.022	10.28	0.92		4
6796.905	1094.942	10.63	1.09		2	7162.930	1153.906	10.84	1.17	0.63	1
6797.956	1095.111	10.40	0.96		2	7206.888	1160.987	10.35	0.92	0.61	1
6806.956	1096.561	11.01	1.30	0.92	2	7240.753	1166.443	10.83	1.26	0.80	1
6806.980	1096.565	11.04	1.37	0.71	-3	7267.693	1170.783	11.18	1.35	0.92	1
6807.959	1096.722	11.19	1.42	0.99	3	VM CAS					
6808.954	1096.883	10.96	1.16	0.91	3	J.O.	CYCLES	V	B-V	U-B	RF
6809.826	1097.023	10.32	0.93	0.65	2	6746.923	1125.636	11.06	1.44		2
6809.968	1097.045	10.28	0.96	0.66	3	6757.911	1127.470	10.92	1.36		2
6810.880	1097.193	10.59	1.03	0.74	2	6759.933	1127.807	10.84	1.27		2
6810.976	1097.208	10.36	1.10	0.80	3	6780.952	1127.977	10.40	1.04		2
6811.892	1097.356	10.76	1.20	0.84	2	6782.956	1133.316	10.71	1.29	0.60	3
6812.831	1097.507	10.89	1.25	0.82	2	6796.684	1132.972	10.42	1.06		2
6813.758	1097.657	11.03	1.30	0.86	2	6806.963	1135.653	11.05	1.44	0.82	-3
6813.923	1097.683	11.12	1.31	0.90	3	6807.940	1135.816	10.82	1.22	0.78	3
6814.838	1097.831	11.11	1.28	0.82	2	6808.937	1135.983	10.40	1.03	0.77	3
6814.944	1097.848	11.11	1.23	0.86	3	6809.784	1136.124	10.57	1.19	0.78	2
6815.833	1097.991	10.35	0.94	0.69	2	6809.935	1136.149	10.58	1.16	0.85	3

TABLE 1 (continued)

VW CAS CONT.						XY CAS CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6810.847	1136.301	10.70	1.29	0.90	2	6813.738	1513.604	10.07	1.20	0.86	2
6811.855	1136.470	10.91	1.34	0.97	2	6815.803	1514.063	9.99	1.02	0.75	2
6811.940	1136.484	10.90	1.35	0.97	3	6815.889	1514.082	9.94	1.06	0.70	3
6814.719	1136.947	10.48	1.05	0.62	2	6816.770	1514.276	9.73	1.04	0.70	2
						6816.911	1514.309	9.76	1.08	0.74	3
6814.931	1136.983	10.36	1.07	0.72	3						
6815.898	1137.144	10.58	1.19	0.69	3	6825.703	1516.262	9.72	1.01		4
6817.868	1137.473	10.90	1.35	0.93	3	6827.731	1516.712	10.12	1.27		4
6818.806	1137.629	11.02	1.42	1.01	3	6827.910	1516.752	10.13	1.27		4
6819.832	1127.800	10.84	1.26	0.99	3	6829.357	1517.196	9.67	0.98		4
						6830.892	1517.415	9.87	1.14		4
6827.738	1139.119	10.51	1.18		4						
6827.915	1139.149	10.56	1.17		4	6832.861	1517.852	10.21	1.24		4
6829.901	1139.480	10.88	1.49		4	6836.741	1518.714	10.12	1.26	0.94	2
6830.895	1139.646	11.07	1.40		4	6837.711	1518.929	10.19	1.26		4
6837.745	1140.789	10.89	1.30		4	6843.811	1520.284	9.69	1.01		4
						6845.774	1520.720	10.67	1.30	0.94	2
6843.814	1141.801	10.84	1.25		4						
6844.855	1141.975	10.40	1.04		2	6846.822	1520.953	10.22	1.24	0.85	3
6845.783	1142.130	10.48	1.15	0.89	2	6847.742	1521.158	9.66	0.96		4
6847.745	1142.457	10.86	1.35		4	6848.724	1521.376	9.81	1.10		4
6848.745	1142.624	11.02	1.42		4	6848.834	1521.400	9.89	1.13	0.71	3
						6849.828	1521.621	10.08	1.22	0.85	3
6849.834	1142.806	10.84	1.25	0.89	3						
6853.768	1143.462	10.93	1.35		2	6853.756	1522.494	9.96	1.15	0.85	2
6856.781	1143.965	10.41	1.04		2	6856.775	1523.164	9.70	1.01		2
6858.773	1144.297	10.70	1.32		2	6858.759	1523.605	10.04	1.22		2
6867.766	1145.798	10.86	1.27		4	6867.737	1525.599	10.05	1.23		4
						6869.772	1526.051	9.95	1.12		4
6869.799	1146.137	10.54	1.19		4						
6876.815	1147.307	10.71	1.26		4	6876.808	1527.614	10.05	1.22		4
6879.670	1147.784	10.91	1.28		4	6879.760	1528.270	9.67	1.01		4
6879.825	1147.808	10.80	1.25		4	6880.722	1528.484	9.91	1.16		4
6880.753	1147.964	10.37	1.04		4	6941.608	1542.009	10.09	1.21		4
						6948.611	1543.565	10.02	1.19		4
6880.866	1147.983	10.39	1.05		4						
6940.642	1157.956	10.37	1.06		4	6953.632	1544.680	10.10	1.24		4
6943.578	1158.446	10.88	1.34		4	6954.623	1544.902	10.24	1.24		4
6951.639	1159.791	10.38	1.25		4	6955.627	1545.123	9.77	1.01		4
6953.589	1160.116	10.49	1.16		4	6972.604	1548.895	10.22	1.26		4
						6982.601	1551.115	9.76	0.99		4
6955.593	1160.450	10.39	1.36		4						
6978.596	1164.288	10.69	1.32		4	6983.604	1551.335	9.78	1.07		4
6980.600	1164.622	11.03	1.40		4						
6982.603	1164.957	10.37	1.04		4	AP CAS					
7184.858	1198.700	11.01	1.38	1.05	2	J.D.	CYCLES	V	B-V	U-B	RF
XY CAS						6830.827	997.847	11.87	1.59		4
J.D.	CYCLES	V	B-V	U-B	RF	6836.824	998.514	11.68	1.52	0.85	2
6792.940	1508.986	10.17	1.22	0.72	3	6837.704	998.642	11.85	1.57		4
6796.877	1509.859	10.24	1.27		2	6837.900	998.671	11.87	1.58		4
6805.887	1511.882	10.24	1.31	0.82	3	6843.807	999.334	11.70	1.54		4
6806.957	1512.097	9.85	1.05	0.67	3						
6807.957	1512.314	9.78	1.06	0.75	3	6845.767	999.820	11.67	1.43	0.64	2
						6846.852	999.978	11.31	1.24	0.69	2
6808.847	1512.518	9.99	1.19	0.86	2	6847.738	1000.108	11.34	1.32		4
6808.929	1512.536	10.02	1.23	0.82	3	6848.719	1000.251	11.47	1.43		4
6809.781	1512.725	10.18	1.26	0.92	2	6852.751	1000.840	11.57	1.36	0.67	2
6809.928	1512.758	10.10	1.27	0.94	3						
6810.816	1512.955	10.22	1.21	0.86	2	6853.749	1000.986	11.27	1.22	0.70	2
						6856.671	1001.412	11.56	1.45		2
6810.938	1512.982	10.21	1.20	0.83	3	6857.684	1001.560	11.74	1.45		2
6811.846	1513.384	9.48	0.96	0.69	2	6858.751	1001.716	11.84	1.42		2
6811.933	1513.203	9.46	0.97	0.68	3	6869.762	1003.324	11.49	1.44		4
6812.785	1513.392	9.86	1.10	0.78	2						
6812.927	1513.424	9.92	1.13	0.76	3	6876.803	1004.353	11.54	1.44		4
						6879.754	1004.784	11.72	1.52		4

TABLE 1 (continued)

AP CAS						AY CAS					
CONT.			CONT.			CONT.			CONT.		
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6280.716	1004.924	11.41	1.28		4	7162.942	2494.010	11.73	1.10	1.26	1
6942.619	1013.965	11.32	1.27		4	BP CAS					
6953.624	1015.572	11.82	1.56		4	J.D.	CYCLES	V	B-V	U-B	RF
6954.629	1015.719	11.92	1.56		4	6797.923	1083.818	10.70	1.43		2
6955.624	1015.865	11.37	1.39		4	6810.838	1085.877	10.79	1.51	1.04	2
6971.622	1018.201	11.47	1.41		4	6811.876	1086.043	10.94	1.60	1.19	2
6977.605	1019.075	11.27	1.30		4	6812.810	1086.191	11.16	1.65	1.14	2
6978.593	1019.219	11.46	1.45		4	6813.748	1086.341	11.24	1.73	1.28	2
6980.596	1019.512	11.68	1.51		4	6814.827	1086.513	11.07	1.60	1.05	2
6985.596	1019.950	11.35	1.30		4	6815.812	1086.670	10.56	1.34	0.99	2
7593.813	1109.072	11.31	1.28	0.86	1	6816.777	1086.824	10.72	1.48	1.03	2
7596.822	1109.511	11.68	1.50	1.09	1	6817.844	1086.994	10.89	1.54	1.09	2
7597.778	1109.650	11.80	1.50	1.23	1	6818.759	1087.140	11.06	1.71	1.19	2
7600.737	1110.083	11.32	1.27	0.93	1	6820.777	1087.442	11.25	1.64	1.16	2
7601.647	1110.216	11.50	1.35	1.07	1	6820.914	1088.918	10.90	1.57		4
7619.665	1112.847	11.55	1.39	1.00	1	6820.910	1089.077	11.00	1.59		4
7621.731	1113.149	11.39	1.35	1.01	1	6833.844	1089.545	10.93	1.45	1.02	2
7623.656	1113.430	11.60	1.48	1.24	1	6834.905	1089.714	10.57	1.36	0.96	2
7625.589	1113.727	11.80	1.50	1.14	1	6837.754	1090.168	11.15	1.68		4
7635.650	1115.182	11.16	1.41	1.02	1	6843.822	1091.136	11.07	1.66		4
7646.643	1116.787	11.65	1.54	1.08	1	6845.801	1091.451	11.27	1.60	1.16	2
7647.650	1116.934	11.34	1.27	0.87	1	6847.752	1091.762	10.63	1.40		4
7654.658	1117.938	11.52	1.23	0.72	1	6848.753	1091.922	10.86	1.55		4
7656.811	1118.243	11.49	1.39	1.00	1	6853.772	1092.722	10.58	1.37	0.96	2
7658.666	1118.543	11.68	1.48	1.14	1	6856.705	1093.190	11.14	1.69		2
7660.647	1118.833	11.60	1.35	1.04	1	6858.779	1093.521	10.97	1.54		2
7661.635	1118.977	11.26	1.26	0.89	1	6866.767	1094.794	10.68	1.46		4
AY CAS						6867.778	1094.955	10.91	1.54		4
J.D.	CYCLES	V	B-V	U-B	RF	6869.825	1095.282	11.23	1.71		4
6829.924	2378.631	11.55	1.26		4	6876.831	1096.399	11.32	1.70		4
6830.924	2378.979	11.45	1.29		4	6879.796	1096.871	10.76	1.50		4
6832.878	2379.660	11.18	1.08		4	6880.769	1097.026	10.92	1.53		4
6837.764	2381.361	11.83	1.46		4	6940.705	1106.582	10.78	1.43		4
6837.933	2381.420	11.87	1.43		4	6941.614	1106.727	10.58	1.41		4
6843.829	2383.473	11.78	1.40		4	6951.645	1108.326	11.30	1.69		4
6847.759	2384.842	11.31	1.19		4	6953.639	1108.644	10.57	1.33		4
6847.891	2384.888	11.38	1.20		4	6971.626	1111.512	11.09	1.56		4
6848.759	2385.190	11.69	1.39		4	6972.608	1111.669	10.57	1.33		4
6864.785	2391.458	11.85	1.43		4	6977.616	1112.467	11.21	1.63		4
6867.785	2391.816	11.28	1.17		4	6978.602	1112.624	10.58	1.35		4
6869.831	2392.529	11.76	1.35		4	6979.606	1112.784	10.66	1.43		4
6876.853	2394.975	11.45	1.26		4	6983.616	1113.424	11.35	1.64		4
6879.676	2395.958	11.41	1.24		4	BY CAS					
6879.830	2396.011	11.46	1.29		4	J.D.	CYCLES	V	B-V	U-B	RF
6880.775	2396.340	11.80	1.43		4	6792.964	2108.896	10.51	1.34	0.87	3
6940.708	2417.213	11.69	1.40		4	6793.952	2109.202	10.37	1.30	0.79	2
6948.616	2419.967	11.43	1.24		4	6796.895	2110.116	10.46	1.30		2
6951.654	2421.025	11.60	1.33		4	6797.934	2110.435	10.16	1.22		2
6953.646	2421.719	11.24	1.12		4	6806.901	2113.223	10.38	1.27	0.80	2
6954.642	2422.066	11.60	1.31		4	6806.972	2113.245	10.35	1.29	0.84	3
6955.631	2422.410	11.90	1.44		4	6807.901	2113.533	10.19	1.23	0.80	2
6972.611	2428.324	11.80	1.41		4	6807.950	2113.548	10.19	1.22	0.78	3
6975.610	2429.368	11.82	1.45		4	6808.861	2113.831	10.48	1.35	0.90	2
6980.607	2431.108	11.64	1.37		4	6808.946	2113.857	10.49	1.37	0.90	3
6982.612	2431.807	11.19	1.13		4						

TABLE 1 (continued)

BY CAS						CD CAS					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6809.817	2114.128	10.51	1.33	0.77	2	6786.918	869.968	11.06	1.68		3
6809.951	2114.173	10.41	1.28	0.86	3	6787.908	870.095	10.92	1.51	0.90	3
6810.862	2114.452	10.17	1.22	0.77	2	6791.910	870.608	10.65	1.51	1.17	-3
6810.968	2114.485	10.17	1.19	0.82	3	6793.884	870.561	11.13	1.59		3
6811.885	2114.770	10.47	1.31	0.82	2						
						6805.840	872.394	10.54	1.40	0.96	-3
6811.947	2114.789	10.42	1.35	0.81	3	6806.810	872.518	10.57	1.42	1.05	3
6812.799	2115.054	10.54	1.38	0.80	2	6810.857	873.037	11.07	1.62		3
6812.935	2115.096	10.53	1.33	0.92	3	6811.865	873.166	10.63	1.32	0.97	3
6813.916	2115.400	10.19	1.19	0.82	3	6812.859	873.293	10.40	1.26	0.87	3
6814.741	2115.657	10.32	1.28	0.78	2						
						6813.827	873.418	10.56	1.40	0.89	3
6814.937	2115.717	10.37	1.32	0.82	3	6819.782	874.181	10.55	1.33	1.02	3
6815.906	2116.018	10.56	1.38	0.94	3	6833.781	875.975	11.16	1.69		4
6816.919	2116.333	10.24	1.23	0.82	3	6857.665	876.473	10.59	1.43		4
6817.876	2116.630	10.27	1.26	0.82	3	6837.884	876.501	10.59	1.48		4
6818.813	2116.921	10.52	1.36	0.84	3						
						6843.722	877.250	10.37	1.25		4
6819.796	2117.226	10.37	1.30	0.74	2	6845.763	877.511	10.55	1.38	0.96	-3
6820.785	2117.533	10.20	1.23	0.74	2	6947.700	877.760	10.95	1.62		4
6833.851	2121.589	10.21	1.22	0.88	2	6848.688	877.886	11.21	1.67		4
6834.910	2121.918	10.48	1.38	0.89	2	6867.679	880.320	10.41	1.31		4
6837.772	2122.807	10.45	1.36		4						
						6869.647	880.573	10.58	1.44		4
6837.939	2122.858	10.50	1.39		4	6876.693	881.476	10.58	1.41		4
6843.833	2124.688	10.31	1.28		4	6879.636	881.853	11.02	1.64		4
6845.825	2125.307	10.25	1.22	0.77	3	6880.663	881.985	11.14	1.64		4
6845.871	2125.321	10.17	1.23	0.86	2	6940.616	889.670	10.83	1.52		4
6846.869	2125.631	10.28	1.23	0.81	3						
						6942.599	889.924	11.16	1.67		4
6847.761	2125.908	10.50	1.36		4	6943.586	890.050	11.07	1.57		4
6847.895	2125.949	10.53	1.36		4	6948.577	890.690	10.87	1.59		4
6848.763	2126.219	10.38	1.29		4	6951.604	891.078	10.94	1.56		4
6849.842	2126.554	10.20	1.21	0.82	3	6953.606	891.335	10.44	1.32		4
6853.778	2127.776	10.42	1.34	0.88	2						
						6954.580	891.460	10.60	1.42		4
6856.712	2128.687	10.32	1.33		2	6955.602	891.591	10.65	1.47		4
6858.784	2129.330	10.33	1.21		2	6975.585	894.152	10.78	1.37		4
6867.791	2132.126	10.48	1.31		4	6977.584	894.408	10.54	1.42		4
6869.838	2132.762	10.28	1.34		4	6979.584	894.665	10.84	1.54		4
6876.859	2134.941	10.51	1.36		4						
						6982.575	895.048	11.02	1.59		4
6879.802	2135.835	10.45	1.33		4	7159.925	917.781	10.94	1.66	1.33	1
6880.780	2136.159	10.44	1.29		4	7206.799	923.790	11.01	1.63	1.23	1
6940.714	2154.765	10.39	1.33		4	7220.764	925.580	10.69	0.84	0.28	1
6941.690	2155.068	10.55	1.37		4	7263.601	931.071	12.05	0.69	0.32	1
6941.578	2155.033	10.51	1.39		4						
						CF CAS					
CONT.						J.D.	CYCLES	V	B-V	U-B	RF
6942.668	2155.372	10.22	1.22		4	5668.936	1162.806	11.20	1.30	0.96	20
6942.575	2155.343	10.24	1.24		4	5669.825	1162.989	11.31	1.35	0.93	20
6948.623	2157.221	10.37	1.26		4	5669.962	1163.017	11.34	1.33	0.90	20
6949.694	2157.553	10.17	1.22		4	5670.828	1163.194	11.22	1.24	0.82	20
6954.662	2159.095	10.51	1.35		4	5670.966	1163.223	11.13	1.19	0.75	20
6954.585	2159.071	10.53	1.35		4	5687.768	1166.669	11.06	1.25	0.92	20
6955.636	2159.398	10.20	1.23		4	5687.867	1166.689	11.10	1.26	0.91	20
6972.615	2164.669	10.28	1.28		4	5687.965	1166.709	11.10	1.27	0.90	20
6975.615	2165.600	10.22	1.25		4	5688.863	1166.894	11.25	1.32	0.93	20
6978.606	2165.529	10.14	1.21		4	5688.964	1166.914	11.29	1.30	0.97	20
6980.612	2167.152	10.47	1.32		4	5689.811	1167.988	11.39	1.32	0.92	20
6981.603	2167.459	10.18	1.21		4	5689.973	1167.121	11.39	1.32	0.95	20
						5690.855	1167.302	10.91	1.09	0.70	20
						5690.870	1167.305	10.90	1.09	0.68	20
						5690.974	1167.327	10.87	1.06	0.66	20
CD CAS											
J.D.	CYCLES	V	B-V	U-B	RF						
6784.865	869.705	10.89	1.64		3						

TABLE 1 (continued)

CF CAS						CG CAS					
CONT.						CGNT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5691.779	1167.492	10.92	1.13	0.69	20	6983.582	1599.813	11.52	1.36		4
5691.973	1167.532	10.99	1.16	0.77	20						
5752.723	1179.993	11.32	1.36	0.98	20		CH CAS				
5752.739	1179.996	11.34	1.34	0.97	20		J.D.	CYCLES	V	B-V	U-B RF
5752.967	1180.043	11.32	1.34	0.96	20						
						6829.822	452.816	11.40	1.94		4
5754.773	1180.413	10.84	1.07	0.70	20	6830.810	452.881	11.49	1.88		4
6128.876	1257.149	11.32	1.33	0.87	20	6832.782	453.012	11.40	1.79		4
6128.898	1257.153	11.32	1.28		20	6833.652	453.070	11.26	1.75		4
6129.803	1257.339	10.87	1.03	0.69	20	6837.633	453.334	10.51	1.46		4
6130.638	1257.510	10.93	1.13	0.76	20						
						6843.702	453.736	11.27	1.87		4
6130.644	1257.511	10.95	1.13	0.73	20	6846.709	453.936	11.44	1.87		4
6130.915	1257.567	11.00	1.18	0.77	20	6847.677	454.000	11.36	1.82		4
6130.933	1257.571	11.01	1.16	0.82	20	6848.670	454.066	11.24	1.75		4
6135.620	1258.532	10.94	1.16	0.79	20	6866.620	455.256	10.44	1.39		4
7206.836	1478.259	11.03	1.14	0.72	1						
						6867.624	455.322	10.45	1.41		4
7261.663	1489.505	10.92	1.18	0.76	1	6869.613	455.454	10.77	1.61		4
						6876.643	455.920	11.44	1.87		4
	CG CAS					6879.615	456.117	11.14	1.66		4
J.D.	CYCLES	V	B-V	U-B	RF	6880.616	456.184	11.01	1.61		4
6784.923	1554.303	11.02	1.03	0.79	-3	6941.563	460.224	10.69	1.52		4
6786.970	1554.772	11.45	1.40		3	6942.585	460.292	10.39	1.37		4
6787.950	1554.997	11.67	1.38		3	6943.565	460.357	10.60	1.50		4
6791.964	1555.916	11.58	1.44		3	6948.572	460.689	11.14	1.85		4
6792.896	1556.130	11.74	1.38		3	6953.574	461.021	11.31	1.77		4
6793.929	1556.367	10.90	1.03	0.79	3	6955.572	461.153	11.12	1.66		4
6805.909	1559.111	11.74	1.46		3	6971.584	462.215	10.81	1.32		4
6806.881	1559.334	10.93	0.99	0.75	3	6972.577	462.281	10.38	1.34		4
6807.872	1559.561	11.21	1.18	0.77	3	6977.577	462.612	10.93	1.79		4
6809.868	1560.018	11.70	1.39		3						
						CS CAS					
6810.881	1560.250	11.26	1.22	0.86	3	J.D.	CYCLES	V	B-V	U-B	RF
6811.881	1560.479	11.03	1.14	0.65	3	6830.851	463.637	11.79	0.76		4
6814.876	1561.165	11.65	1.44		3	6837.671	464.100	12.77	1.21		4
6815.817	1561.381	10.91	1.08	0.63	3	6843.729	464.511	11.45	0.57		4
6819.790	1562.291	11.08	1.07	0.67	3	6847.705	464.781	11.77	0.90		4
						6848.694	464.848	11.82	0.95		4
6843.747	1567.779	11.50	1.38		4						
6847.718	1568.689	11.38	1.30		4	6866.681	466.069	12.67	1.19		4
6848.741	1568.923	11.62	1.41		4	6869.676	466.272	12.60	0.89		4
6849.702	1573.725	11.43	1.31		4	6876.745	466.752	11.78	0.90		4
6876.765	1575.343	10.90	1.02		4	6879.664	466.950	12.08	1.04		4
						6880.670	467.018	12.41	1.13		4
6880.686	1576.241	11.36	1.21		4						
6900.629	1589.973	11.65	1.42		4	6941.589	471.153	12.90	1.12		4
6941.597	1590.195	11.59	1.34		4	6942.603	471.222	12.75	0.97		4
6942.612	1590.427	11.00	1.07		4	6948.584	471.623	11.78	0.83		4
6943.598	1590.653	11.37	1.28		4	6951.607	471.833	11.86	0.91		4
						6953.597	471.968	12.20	1.05		4
6948.591	1591.797	11.52	1.38		4						
6951.622	1592.491	11.08	1.15		4	6955.606	472.104	12.88	1.18		4
6953.612	1592.947	11.64	1.38		4	6971.601	473.190	12.88	1.08		4
6954.615	1593.177	11.66	1.34		4	6975.588	473.461	11.73	0.64		4
6955.612	1593.405	10.97	1.07		4	6977.586	473.596	11.71	0.71		4
						6978.577	473.663	11.84	0.83		4
6071.610	1597.070	11.74	1.40		4						
6972.590	1597.295	11.05	1.09		4	6982.578	473.935	12.07	1.03		4
6977.598	1598.442	10.96	1.11		4	7143.941	484.387	11.98	1.00	0.80	1
6978.584	1598.668	11.36	1.32		4	7147.944	485.159	12.87	1.16	0.88	1
6979.591	1598.898	11.59	1.40		4	7159.869	485.970	12.19	1.03	0.92	1
						7178.932	487.262	12.60	0.91	0.32	1
6980.588	1599.127	11.69	1.41		4						
6982.591	1599.586	11.22	1.21		4						

TABLE 1 (continued)

CS CAS						CZ CAS					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7191.888	488.142	12.86	1.13	0.82	1	6879.631	1214.543	11.85	1.53		4
7208.786	489.153	12.83	1.07	0.71	1	6880.639	1214.721	12.07	1.58		4
7217.798	489.896	12.00	1.02	0.85	1						
7220.747	490.100	12.80	1.19	1.00	1	6942.595	1225.658	12.03	1.60		4
7221.792	490.171	12.65	1.10	0.57	1	6943.582	1225.833	12.09	1.54		4
						6951.599	1227.248	11.51	1.37		4
7261.651	492.877	11.93	0.97	0.77	1	6953.584	1227.598	11.93	1.58		4
7263.636	493.021	12.37	1.13	1.11	1	6954.609	1227.779	12.11	1.59		4
7267.637	493.283	12.42	0.78	0.21	1						
						6955.599	1227.854	11.67	1.36		4
						6975.582	1231.482	11.91	1.50		4
						6980.579	1232.364	11.68	1.45		4
CY CAS						DD CAS					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6829.828	475.076	11.38	1.46		4	6774.979	690.505	9.64	1.08	0.75	3
6830.614	475.144	11.48	1.74		4	6784.914	691.518	9.64	1.08	0.75	3
6832.392	475.282	11.72	1.82		4	6786.959	691.727	9.71	1.20	0.92	3
6833.659	475.342	11.85	1.86		4	6787.940	691.827	9.87	1.30	1.10	3
6837.645	475.619	12.22	1.93		4	6791.930	692.233	10.00	1.28	0.97	3
6837.845	475.635	12.19	1.94		4	6792.886	692.331	9.90	1.19	0.78	3
6843.706	476.041	11.31	1.59		4	6793.900	692.434	9.77	1.16	0.79	3
6846.713	476.250	11.61	1.83		4	6805.899	692.657	9.64	1.14	0.82	3
6847.686	476.313	11.73	1.89		4	6807.861	693.857	9.92	1.35	1.02	3
6848.673	476.386	11.87	1.94		4	6808.872	693.960	10.08	1.40	1.17	3
6866.629	477.635	12.15	1.91		4	6809.858	694.061	10.17	1.41	1.15	3
6867.630	477.705	12.97	1.85		4	6810.873	694.164	10.12	1.39	1.03	3
6869.619	477.843	11.47	1.51		4	6814.868	694.571	9.57	1.08	0.77	3
6876.648	478.332	11.78	1.97		4	6815.810	694.667	9.67	1.18	0.90	3
6879.621	478.539	12.14	1.98		4	6843.742	697.514	9.62	1.07		4
6880.622	478.609	12.16	1.96		4	6844.824	697.824	9.63	1.14	0.77	3
6940.610	482.781	11.94	1.73		4	6847.711	697.939	10.00	1.39		4
6941.567	482.848	11.36	1.53		4	6848.73	698.023	10.11	1.44		4
6942.588	482.919	11.07	1.40		4	6849.771	698.128	10.18	1.35	1.01	3
6943.572	482.987	11.24	1.49		4	6866.717	699.656	9.90	1.32		4
6953.580	483.684	12.03	1.83		4	6867.699	699.956	10.04	1.42		4
6954.586	483.752	11.93	1.74		4	6869.689	700.159	10.12	1.35		4
6955.575	483.822	11.80	1.69		4	6875.755	700.219	9.91	1.32		4
6971.587	484.936	11.14	1.42		4	6879.687	701.178	10.06	1.32		4
6972.580	485.005	11.25	1.53		4	6880.681	701.279	9.99	1.22		4
6978.574	485.422	11.92	2.02		4	6940.624	707.348	9.78	1.17		4
6979.573	485.492	12.07	2.02		4	6941.594	707.487	9.69	1.11		4
6980.571	485.561	12.14	1.99		4	6942.609	707.591	9.60	1.08		4
7773.594	505.943	11.18	1.45	1.02	1	6943.596	707.691	9.69	1.17		4
						6951.612	708.508	9.63	1.07		4
CZ CAS						DF CAS					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6829.863	1205.757	12.12	1.40		4	6933.609	708.712	9.68	1.17		4
6830.835	1205.928	11.84	1.38		4	6954.612	708.814	9.84	1.22		4
6832.828	1206.280	11.66	1.37		4	6971.607	710.566	9.60	1.25		4
6833.774	1206.44	11.81	1.50		4	6972.587	710.646	9.64	1.12		4
6837.655	1207.132	11.38	1.27		4	6977.594	711.156	10.11	1.22		4
6837.879	1207.172	11.44	1.36		4	6979.589	711.359	9.83	1.13		4
6843.715	1208.202	11.49	1.29		4	6980.585	711.461	9.72	1.12		4
6846.727	1208.734	12.08	1.60		4	6982.587	711.665	9.63	1.13		4
6847.696	1208.955	11.87	1.47		4	6983.575	711.766	9.76	1.24		4
6848.686	1209.079	11.30	1.22		4						
6867.651	1212.428	11.75	1.42		4						
6869.638	1212.779	12.12	1.65		4						
6876.663	1214.019	11.36	1.22		4						

TABLE 1 (continued)

CAS						CONT.						CAS						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6837.948	1784.252	10.77	1.17		4	6769.972	846.215	9.20	1.27	0.83	3	6805.968	850.714	8.84	1.17	0.86	3	6806.944	850.836	8.99	1.26	0.90	3
6847.798	1786.822	11.06	1.24		4							6807.899	850.956	9.10	1.32	0.96	3	6809.919	851.208	9.18	1.29	0.89	3
6847.925	1786.855	10.99	1.18		4							6810.930	851.334	8.92	1.13	0.77	3	6811.926	851.459	8.68	1.08	0.71	3
6867.855	1792.058	10.56	1.00		4							6812.919	851.583	0.81	1.15	0.77	3	6813.910	851.707	8.84	1.19	0.86	3
6869.903	1792.590	11.05	1.29		4							6814.924	851.834	8.97	1.28	0.86	3	6815.880	851.953	9.11	1.34	0.94	3
6876.889	1794.413	10.93	1.23		4							6816.904	852.081	9.24	1.35	0.98	3	6817.809	852.194	9.20	1.32	0.92	3
6879.866	1795.189	10.66	1.10		4							6818.798	852.318	8.93	1.17	0.81	3	6819.826	852.446	8.66	1.07	0.73	3
6880.836	1795.443	10.96	1.25		4							6844.848	855.574	8.78	1.13	0.76	3	6848.828	856.071	9.23	1.37	1.01	3
6940.743	1811.074	10.55	1.02		4							7162.907	895.330	8.92	1.19	0.74	1	7206.876	900.826	8.99	1.27	0.88	1
6941.661	1811.314	10.86	1.22		4													7261.693	907.678	8.80	1.20	0.78	1
6942.580	1811.554	11.05	1.27		4													7263.667	907.924	9.13	1.29	0.97	1
6949.644	1813.136	10.65	1.08		4																		
6951.685	1813.929	10.73	1.10		4																		
6953.670	1814.447	10.96	1.26		4																		
6954.667	1814.708	11.13	1.27		4																		
6954.592	1814.748	11.11	1.30		4																		
6972.648	1819.399	10.93	1.26		4																		
6975.632	1820.178	10.68	1.11		4																		
6977.645	1820.703	11.10	1.28		4																		
6978.633	1820.961	10.64	1.03		4																		
6978.658	1820.958	10.67	1.03		4																		
6980.631	1821.482	10.99	1.28		4																		
6981.630	1821.743	11.14	1.27		4																		
6982.638	1822.006	10.54	0.96		4																		
7601.704	1983.541	11.08	1.27	0.76	1																		
7621.761	1988.775	11.11	1.28	0.99	1																		
7626.738	1990.074	10.53	1.03	0.70	1							7217.706	1506.727	12.64	1.51	1.07	1	7220.719	1507.356	13.28	1.77	1.38	1
7635.677	1992.406	10.96	1.27	0.94	1							7221.727	1507.567	13.29	1.71		1						
7645.782	1995.043	10.53	0.99	0.69	1																		
7655.710	1997.633	11.11	1.25	1.13	1																		
7658.696	1998.413	10.86	1.23	0.84	1																		
															</								

TABLE 1 (continued)

DW CAS		CONT.				FM CAS		CONT.			
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6879.775	1376.561	11.22	1.49		4	6979.595	1201.411	8.85	0.86		4
6880.634	1376.733	10.79	1.29		4	6983.588	1202.098	9.40	1.16		4
6943.575	1389.326	11.35	1.57		4	7142.960	1229.531	8.98	0.99	0.61	1
6954.577	1391.528	11.33	1.54		4	7159.967	1232.458	8.89	0.92	0.57	1
6955.580	1391.728	10.82	1.30		4						
7159.912	1432.613	11.06	1.43	0.91	1	7160.867	1232.613	9.08	1.04	0.66	1
7160.813	1432.793	10.88	1.33	0.90	1	7162.899	1232.963	9.33	1.18	0.84	1
						7206.862	1240.531	8.96	0.96	0.62	1
						7240.741	1246.362	8.83	0.89	0.51	1
						7261.672	1249.965	9.34	1.17	0.82	1
FM CAS											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6751.951	1162.226	9.15	0.94	0.73	3	7263.646	1250.305	8.91	0.91	0.54	1
6766.851	1164.791	9.16	1.14	0.79	3	7267.645	1250.993	9.35	1.16	0.87	1
6768.811	1165.128	9.42	1.16	0.87	3	7522.885	1294.928	9.31	1.14	0.84	1
6769.941	1165.323	8.88	0.85	0.58	3						
6772.974	1165.845	9.34	1.12	0.75	3						
6773.969	1166.016	9.38	1.20	0.80	3	6784.936	742.635	11.18	0.57	0.54	3
6784.943	1167.905	9.28	1.14	0.64	3	6786.979	742.859	11.44	0.75	0.39	3
6786.987	1168.257	9.06	0.96	0.58	3	6787.969	742.967	11.56	0.87		3
6787.959	1168.424	8.86	0.88	0.63	3	6791.974	743.405	11.44	0.55	0.33	3
6793.944	1169.454	8.89	0.91	0.59	3	6792.906	743.507	11.26	0.57	0.35	3
6805.919	1171.515	8.96	0.93	0.67	3	6793.937	743.620	11.27	0.58	0.35	3
6806.900	1171.684	9.11	1.07	0.76	3	6806.892	745.038	11.68	0.89	0.51	3
6808.881	1172.025	9.40	1.16	0.86	3	6807.883	745.147	11.68	0.81	0.63	3
6809.904	1172.201	9.22	1.04	0.66	3	6809.880	745.365	11.51	0.56	0.47	3
6810.918	1172.376	8.86	0.88	0.56	3	6810.911	745.478	11.30	0.58	0.34	3
6811.896	1172.544	8.99	0.99	0.64	3	6811.890	745.585	11.25	0.53	0.44	3
6814.883	1173.058	9.41	1.19	0.83	3	6812.877	745.693	11.34	0.65	0.47	3
6816.861	1173.399	8.88	0.89	0.58	3	6813.870	745.802	11.45	0.69	0.50	3
6818.740	1173.722	9.13	1.09	0.79	3	6816.835	746.126	11.74	0.83	0.50	3
6825.687	1174.918	9.31	1.16		4	6830.872	747.663	11.18	0.55		4
6825.864	1174.949	9.30	1.15		4	6832.854	747.080	11.48	0.72		4
6826.876	1175.123	9.39	1.13		4	6823.809	747.984	11.50	0.77		4
6827.684	1175.262	9.04	0.98		4	6837.682	748.408	11.39	0.57		4
6827.887	1175.297	8.93	0.90		4	6843.753	749.073	11.66	0.81		4
6829.878	1175.640	9.08	1.05		4	6847.723	749.507	11.22	0.52		4
6830.875	1175.811	9.21	1.11		4	6849.778	749.732	11.38	0.62	0.38	3
6833.813	1176.317	8.89	0.88		4	6866.725	751.587	11.27	0.56		4
6837.690	1176.984	9.36	1.16		4	6867.935	751.720	11.35	0.65		4
6843.761	1178.029	9.39	1.20		4	6869.744	751.918	11.58	0.78		4
6844.831	1178.213	9.18	1.01	0.69	3	6876.776	752.687	11.29	0.59		4
6845.804	1178.381	8.93	0.85	0.59	3	6879.708	753.008	11.66	0.84		4
6846.801	1178.533	8.99	1.02	0.63	3	6941.603	759.783	11.32	0.64		4
6847.728	1178.712	9.13	1.07		4	6948.597	760.548	11.22	0.56		4
6848.706	1178.881	9.26	1.15		4	6951.627	760.880	11.45	0.71		4
6848.809	1178.898	9.31	1.14	0.83	3	6953.616	761.098	11.71	0.76		4
6849.786	1179.066	9.42	1.17	0.83	3	6954.619	761.207	11.72	0.69		4
6866.727	1181.984	9.36	1.17		4	6955.615	751.316	11.58	0.63		4
6867.717	1182.159	9.34	1.11		4	6972.592	763.175	11.70	0.72		4
6869.749	1182.503	8.91	0.96		4	6978.586	763.831	11.44	0.73		4
6876.780	1183.713	9.12	1.07		4	6982.592	764.269	11.59	0.65		4
6879.714	1184.218	9.13	1.00		4	6983.585	764.378	11.45	0.56		4
6880.703	1184.388	8.82	0.85		4	7159.935	783.680	11.19	0.56	0.36	1
6884.603	1196.076	9.40	1.17		4	7162.885	784.003	11.12	1.07	0.81	1
6951.631	1196.597	9.05	0.99		4	7191.894	787.178	11.68	0.77	0.50	1
6954.622	1197.112	9.41	1.13		4	7206.811	788.811	11.14	1.07	0.79	1
6977.602	1201.063	9.36	1.15		4	7220.755	790.337	11.65	0.96	0.42	1

TABLE 1 (continued)

IX CAS						TX CEN					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7261.633	794.811	11.12	1.15	0.83	1	5241.498	306.635	10.35	1.73	1.36	-5
7263.615	795.028	11.21	1.06	0.85	1	5242.510	306.694	10.44	1.76	1.48	-5
V CEN						5243.547	306.755	10.55	1.84	1.59	-5
J.D.	CYCLES	V	B-V	U-B	RF	5244.507	306.811	10.68	1.89	1.49	-5
4513.442	821.527	6.66	0.82		7	5245.495	306.869	10.78	1.91	1.69	-5
4519.457	822.621	6.80	0.89		7	5246.502	306.928	10.91	1.95	1.45	-5
4529.470	824.444	6.50	0.70		7	5250.523	307.163	10.95	1.91	1.37	-5
4578.303	833.332	6.48	0.66		7	5251.485	307.219	10.86	1.91		7
4847.437	882.320	6.49	0.71		-7	5256.475	307.511	10.12	1.50	1.19	-5
4869.497	886.335	6.48	0.68		7	5257.432	307.567	10.20	1.67	1.18	-5
4886.528	889.435	6.57	0.67		7	5270.402	308.326	10.61	1.61	1.27	-5
5161.555	939.495	6.57	0.80	0.50	5	5273.306	308.496	10.09	1.52	1.16	6
5163.606	939.868	7.00	1.03	0.75	5	5274.308	308.555	10.22	1.61	1.27	6
5166.612	940.415	6.43	0.73	0.47	5	5275.334	308.615	10.27	1.70	1.41	6
5167.640	940.602	6.70	0.91	0.61	5	5276.320	308.672	10.38	1.75	1.50	6
5176.577	942.229	6.87	0.88	0.58	5	5281.402	308.970	11.01	2.07		7
5177.569	942.409	6.44	0.72	0.44	5	5285.340	309.200	10.91	1.93		7
5184.578	943.685	6.83	0.96	0.67	5	5286.325	309.258	10.80	1.84		7
5185.645	943.875	7.01	1.04	0.74	5	5308.347	310.546	10.18	1.63		7
5186.586	944.051	7.17	1.09	0.81	5	5358.223	313.464	10.07	1.51		7
5188.553	944.409	6.43	0.72	0.43	5	UZ CEN					
5195.590	945.690	6.80	0.95	0.67	5	J.D.	CYCLES	V	B-V	U-B	RF
5201.535	946.772	6.90	1.20	0.70	5	4517.415	1354.799	8.55	0.64		7
5204.578	947.326	6.44	0.69	0.41	5	4574.269	1371.850	8.53	0.66		7
5205.551	947.503	6.58	0.81	0.51	5	4834.477	1449.888	8.36	0.60		7
5208.590	948.056	7.17	1.08	0.80	5	4847.375	1453.756	8.69	0.71		7
5236.488	953.134	7.17	1.04	0.75	5	4907.331	1471.737	8.40	0.58		7
5238.521	953.504	6.58	0.81	0.52	5	4917.392	1474.755	8.54	0.65		7
5241.494	954.045	7.17	1.07	0.78	5	4921.367	1475.947	8.44	0.63		7
5243.543	954.418	6.45	0.73	0.44	5	5163.510	1548.567	9.07	0.91	0.62	5
5245.499	954.774	6.31	1.00	0.72	5	5169.504	1550.364	8.90	0.87	0.61	5
5246.494	954.955	7.10	1.06	0.77	5	5177.482	1552.757	8.61	0.67	0.43	5
5281.360	961.301	6.52	0.72		7	5201.449	1559.945	8.40	0.63	0.37	5
5286.315	962.203	7.03	0.94		7	5208.508	1562.062	8.58	0.76	0.46	5
5302.252	965.104	7.24	1.11		7	5236.388	1570.423	9.04	0.88	0.60	5
TX CEN						5238.438	1571.038	8.73	0.77	0.54	5
J.D.	CYCLES	V	B-V	U-B	RF	5243.406	1572.528	9.04	0.83	0.56	5
4562.327	263.903	10.90	2.05		7	5246.402	1573.427	8.99	0.63	0.61	5
4564.349	267.021	11.12	2.09		-7	5256.410	1576.428	8.89	0.88	0.58	5
4568.305	267.252	10.73	1.85		7	5257.369	1576.716	8.85	0.80	0.50	5
4569.379	267.315	10.63	1.72		7	5292.314	1587.196	8.85	0.89	0.62	5
4570.361	267.373	9.91	1.40		7	5304.222	1590.767	8.60	0.71	0.39	6
4572.336	267.488	10.11	1.56		7	5567.517	1669.731	8.99	0.65		7
4929.414	288.378	9.94	1.61		7	5573.552	1671.541	9.14	0.92		7
4930.358	288.433	10.00	1.50		7	5574.391	1671.792	8.39	0.60		-7
5163.612	302.079	11.09	2.04		5	5580.397	1673.594	9.12	0.94		7
5165.579	302.194	10.92	1.76	1.35	-5	5608.400	1681.992	8.68	0.73		7
5166.586	302.253	10.73	1.70	1.45	-5	5609.419	1682.298	8.95	0.84		7
5167.571	302.310	10.73	1.68	1.18	-5	5611.440	1682.904	8.41	0.59		7
5184.559	303.304	10.69	1.61	1.14	-5	5616.370	1684.382	9.08	0.89		7
5185.653	303.368	9.94	1.36	1.02	5	VM CEN					
5186.590	303.423	9.94	1.45	1.03	5	J.D.	CYCLES	V	B-V	U-B	RF
5195.595	303.950	10.93	1.76	1.26	-5	4561.346	303.358	10.65	1.67		7

TABLE 1 (continued)

VW CEN						XX CEN					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4563.398	303.495	10.54	1.50		7	5236.472	477.949	7.98	1.06	0.76	5
4567.318	303.755	9.79	1.12		7	5238.505	478.135	7.65	0.89	0.58	5
4570.319	303.955	10.13	1.45		7	5241.479	478.406	7.68	1.01	0.73	5
4580.313	304.620	10.18	1.25		7						
4867.472	323.717	9.74	1.08		7	5243.525	478.593	7.98	1.19	0.92	5
4869.485	323.851	9.99	1.30		7	5246.477	478.862	8.17	1.16	0.89	5
4898.442	325.777	9.94	1.27		7	5257.415	479.861	8.15	1.16	0.86	5
5163.551	343.408	10.61	1.56	1.18	-5	5282.336	482.135	7.68	0.88		7
5165.560	343.542	10.43	1.30	1.02	-5	5310.229	484.681	8.21	1.22	0.84	6
5166.554	343.608	10.25	1.28	0.97	-5	5349.230	488.241	7.35	0.75		7
5167.544	343.674	9.69	0.98	0.70	5	5359.224	489.155	7.60	0.85		7
5184.535	344.804	9.84	1.18	0.93	5	5567.541	508.167	7.56	0.82		7
5185.615	344.876	9.98	1.33	1.12	-5	5621.416	513.084	7.76	0.94		-7
5186.555	344.938	10.09	1.40	1.15	-5	5643.282	515.080	7.76	0.90		7
5188.520	345.069	10.25	1.47	1.24	-5	5644.227	515.166	7.52	0.83		7
5189.583	345.140	10.68	1.65	1.18	-5						
5195.559	345.537	10.34	1.36	1.07	-5	AY CEN					
5217.431	346.992	10.21	1.45	1.28	6	J.D.	CYCLES	V	B-V	U-B	RF
5241.463	348.590	10.30	1.36	1.04	-5	4520.390	851.335	8.73	0.99		7
						4546.307	856.219	8.60	0.88		7
5242.498	348.659	9.71	1.06	0.74	5	4580.247	862.611	9.06	1.08		-7
5243.514	348.727	9.79	1.07	0.75	5	4588.251	864.118	8.58	0.87		7
5244.596	348.792	9.81	1.12	0.91	5	4834.456	910.487	8.85	1.07		-7
5245.482	348.857	9.88	1.29	0.98	5						
5246.467	348.923	9.98	1.36	1.11	-5	4865.478	916.329	8.73	0.98		7
						4917.384	926.105	8.62	0.87		7
5250.512	349.192	10.49	1.62	1.25	-5	5163.498	972.456	8.62	1.07	0.80	5
5256.461	349.588	10.30	1.34	0.99	-5	5166.473	973.016	8.72	0.96	0.65	5
5257.410	349.651	9.76	1.07	0.74	5	5167.518	973.213	8.58	0.92	0.53	5
5273.290	350.707	9.71	1.07	0.79	6						
5302.242	352.632	10.04	1.18		7	5188.437	977.153	8.51	0.88	0.58	5
						5189.512	977.355	8.77	1.02	0.76	5
5303.302	352.703	9.78	1.09		-7	5224.494	983.944	8.97	1.06		7
5311.220	353.229	10.58	1.62	1.48	6	5243.383	987.501	8.67	1.09	0.83	5
						5244.444	987.701	9.01	1.14	0.91	5
XX CEN											
J.D.	CYCLES	V	B-V	U-B	RF	5245.417	987.884	9.06	1.09	0.81	5
4517.476	412.324	7.58	0.90		7	5246.382	988.066	8.62	0.90	0.60	5
4529.460	413.418	7.68	0.98		7	5306.211	999.334	8.70	1.01	0.68	6
4847.426	442.440	7.73	1.06		-7	5309.220	999.900	9.05	1.12	0.82	6
4889.440	446.274	7.42	0.79		7	5309.240	999.904	9.09	1.13		7
4898.424	447.094	7.46	0.80		-7						
						5315.230	1001.032	8.76	0.93		7
4901.603	447.385	7.63	1.00		7						
4922.364	449.279	7.46	0.77		7	AZ CEN					
4922.446	449.287	7.45	0.82		7	J.D.	CYCLES	V	B-V	U-B	RF
5161.535	471.109	7.69	0.90	0.61	5	4521.337	1407.350	8.80	0.72		7
5163.586	471.297	7.51	0.86	0.57	5	4533.387	1411.101	8.59	0.86		7
						4578.272	1425.072	8.61	0.69		7
5176.562	472.481	7.76	1.07	0.83	5	4835.522	1505.146	8.63	0.67		7
5177.548	472.571	7.93	1.14	0.94	5	4690.429	1522.237	8.72	0.77		7
5179.554	472.754	8.22	1.23	0.95	5						
5184.565	473.211	7.31	0.76	0.48	5	4925.299	1533.091	8.64	0.71		7
5185.629	473.309	7.51	0.90	0.60	5	5161.492	1606.610	8.65	0.72	0.45	5
						5169.476	1609.095	8.56	0.70	0.46	5
5186.567	473.394	7.66	0.99	0.70	5	5176.467	1611.271	8.70	0.78	0.51	5
5188.536	473.574	7.95	1.15	0.90	5	5177.465	1611.582	8.68	0.72	0.49	5
5195.571	474.216	7.31	0.75	0.46	5						
5201.517	474.759	8.23	1.24	0.98	5	5179.468	1612.206	8.69	0.75	0.48	5
5204.567	475.037	7.76	0.94	0.65	5	5188.545	1615.031	8.56	0.63		7
						5194.566	1616.705	8.50	0.61		7
5205.534	475.125	7.66	0.89	0.60	5	5201.438	1619.044	8.52	0.66	0.43	5
5208.576	475.403	7.68	0.99	0.71	5						

TABLE 1 (continued)

AZ CEN						KK CEN					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5208.494	1621.240	8.65	0.78	0.52	5	4865.497	399.456	11.02	1.06		7
						4890.440	401.504	10.72	1.12		7
5223.462	1625.899	8.47	0.60		7	5194.580	426.474	11.00	1.04		7
5236.375	1629.919	8.50	0.58	0.31	5						
5238.425	1630.557	8.74	0.72	0.45	5	5223.488	428.847	11.61	1.49		7
5243.387	1632.101	8.55	0.71	0.45	5	5251.409	431.140	11.91	1.52		7
5246.391	1633.037	8.52	0.67	0.41	5	5281.314	433.595	11.16	1.21		7
						5286.260	434.001	11.91	1.60		7
5250.424	1634.292	8.70	0.78	0.52	5	5303.262	435.397	11.42	1.29		7
5256.297	1636.151	8.59	0.74	0.47	5						
5292.309	1647.329	8.74	0.79	0.52	5						
5306.215	1651.658	8.63	0.70	0.38	6						
5573.542	1734.868	8.48	0.62		7						
5608.389	1745.715	8.57	0.64		7						
5611.430	1746.662	8.67	0.67		7						
5630.322	1752.542	8.77	0.76		-7						
BB CEN						KN CEN					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4513.403	1129.096	10.06	0.95		7	4561.366	134.083	10.27	1.80		7
4517.436	1130.105	10.01	0.92		7	4567.331	134.258	10.00	1.60		7
4521.363	1131.087	10.07	0.93		7	4569.341	134.317	9.44	1.40		7
4530.420	1133.353	9.89	0.90		7	4573.347	134.435	9.50	1.48		7
4885.436	1222.166	9.98	0.91		7	4947.260	145.426	9.41	1.46		7
5166.501	1292.478	10.10	0.96	0.67	5	5163.565	151.785	10.00	1.68	1.28	-5
5186.525	1297.488	10.08	0.98	0.66	5	5165.565	151.844	10.06	1.71	1.20	-5
5188.480	1297.977	10.33	0.95	0.69	5	5166.560	151.673	10.11	1.78	1.37	-5
5189.549	1298.244	9.93	0.87	0.54	5	5167.555	151.902	10.15	1.73	1.28	-5
5242.468	1311.483	10.10	0.90	0.67	5	5184.546	152.402	9.31	1.38	1.01	5
5243.438	1311.723	10.37	1.02	0.75	5	5185.620	152.433	9.38	1.43	1.05	5
5245.445	1312.227	9.96	0.86	0.59	5	5186.562	152.461	9.43	1.48	1.11	5
5247.429	1312.724	10.23	1.08	0.80	5	5188.526	152.519	9.54	1.55	1.18	5
5257.378	1315.213	9.96	0.86	0.54	5	5189.588	152.550	9.80	1.61	1.10	5
5273.272	1319.189	9.91	0.91	0.59	6	5195.568	152.726	9.87	1.71	1.21	-5
						5241.473	154.075	10.26	1.69	1.18	-5
						5242.502	154.105	10.30	1.66	1.16	-5
						5243.517	154.135	10.37	1.68	0.97	-5
						5244.503	154.164	10.33	1.66	1.21	-5
						5245.499	154.193	10.27	1.66	1.14	-5
						5246.472	154.222	10.25	1.63	1.15	-5
						5250.517	154.341	9.32	1.31	0.90	5
						5251.473	154.369	9.32	1.39		7
						5253.326	154.423	9.38	1.46		7
						5256.467	154.516	9.53	1.57	1.11	5
						5273.296	155.010	10.26	1.71	1.13	6
						5274.299	155.040	10.30	1.74	1.14	6
						5275.328	155.070	10.31	1.70	1.06	6
						5276.314	155.099	10.33	1.70	1.08	6
						5286.293	155.392	9.36	1.43		7
BK CEN						KZ CEN					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5165.512	1627.461	9.88	0.86	0.57	5	5166.509	3399.182	11.85	0.40	0.19	-5
5188.461	1634.691	10.19	1.01	0.70	5	5185.554	3411.713	12.69	0.35	0.09	-5
5189.530	1635.028	10.08	0.96	0.67	5	5216.395	3432.004	12.19	0.38	0.14	6
5195.520	1636.915	10.30	1.05	0.75	5	5217.406	3432.669	12.75	0.63	0.24	6
5201.460	1638.787	10.17	1.02	0.72	5	5223.362	3436.601	12.65	0.61	0.25	6
5208.521	1641.011	10.12	0.91	0.63	5						
5236.408	1649.798	10.34	1.04	0.80	5	5241.413	3448.464	12.56	0.55	0.38	-5
5238.451	1650.441	9.97	0.88	0.60	5	5243.447	3449.502	12.73	0.74	0.48	-5
5242.457	1651.703	10.28	1.04	0.72	5	5244.472	3450.476	12.56	0.57	0.26	-5
5243.422	1652.007	10.01	0.88	0.58	5	5245.456	3451.124	11.79	0.30	0.04	5
						5270.379	3467.521	12.55	0.64	0.43	-5
5247.440	1653.273	9.73	0.70	0.43	5						
5250.452	1654.222	9.79	0.81	0.50	5						
5273.222	1661.081	9.75	0.72	0.46	6						
5273.246	1661.404	10.10	0.92	0.59	6						
5274.283	1661.731	10.35	0.97	0.62	6						
KK CEN											
J.D.	CYCLES	V	B-V	U-B	RF						
4513.392	370.466	10.91	1.03		7						
4513.393	370.549	11.10	1.16		7						

TABLE 1 (continued)

MY CEN						378 CEN					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4568.284	228.492	11.61	1.60		7	4521.393	699.982	8.65	1.07		7
4572.295	1229.571	11.75	1.66		7	4522.356	700.131	8.34	0.93		7
4575.356	1230.394	11.74	1.61		7	4529.453	701.230	8.28	0.94		7
4576.314	1230.652	11.97	1.71		-7	4572.305	707.864	8.66	1.14		7
4869.473	1309.487	11.68	1.53		7	4588.305	710.341	8.39	0.97		7
4929.371	1325.595	11.79	1.68		7	4916.356	751.128	8.37	0.95		7
5281.345	1420.247	12.23	1.84		7	4930.340	763.294	8.33	0.96		7
5285.320	1421.316	12.09	1.78		7	4936.273	764.212	8.32	0.94		7
5303.288	1446.148	12.43	1.91		-7	5161.530	799.085	8.38	0.97	0.65	5
						5169.562	800.329	8.32	0.97	0.65	5
00 CEN						5176.557	801.412	8.35	0.99	0.70	5
J.D.	CYCLES	V	B-V	U-B	RF	5177.544	801.564	8.47	1.06	0.78	5
4530.467	351.701	11.65	1.63		7	5179.542	801.874	8.64	1.09	0.81	5
4916.364	381.658	11.62	1.73		-7	5185.607	802.813	8.61	1.12	0.79	5
4950.275	384.290	12.23	2.05		7	5195.555	804.353	8.33	0.98	0.66	5
4952.281	384.446	12.04	2.01		7	5201.512	805.275	8.29	0.95	0.65	5
4953.263	384.522	11.77	1.86		7	5204.562	805.747	8.59	1.10	0.81	5
5328.237	413.632	11.63	1.68		7	5205.526	805.896	8.62	1.11	0.81	5
5573.568	432.677	11.88	1.79		7	5208.565	806.367	8.34	0.99	0.66	5
5574.423	432.743	11.70	2.06		-7	5236.464	810.686	8.56	1.11	0.80	5
5611.503	435.622	11.48	1.72		7	5238.497	811.001	8.51	1.04	0.72	5
5623.344	436.541	11.67	1.75		7	5241.459	811.459	8.40	1.03	0.70	5
						5243.509	811.777	8.61	1.11	0.80	5
						5246.456	812.233	8.27	0.94	0.63	5
						5256.457	813.781	8.60	1.12	0.81	5
339 CEN						5306.230	821.487	8.42	1.04	0.67	6
J.D.	CYCLES	V	B-V	U-B	RF	5310.225	822.105	8.27	0.97	0.63	6
4562.317	481.908	9.01	1.42		7						
4563.412	482.023	9.13	1.40		7						
4567.373	482.442	8.51	1.10		7						
4568.236	482.539	8.50	1.17		7						
4569.370	482.553	8.65	1.24		7						
4576.325	483.387	8.60	1.13		7						
4889.449	516.462	8.46	1.07		7						
4917.455	519.420	8.49	1.11		7						
5161.550	545.203	8.67	1.15	0.83	5						
5163.572	545.417	8.50	1.09	0.74	5						
5165.575	545.629	8.60	1.18	0.90	5						
5166.574	545.734	8.70	1.29	1.01	5						
5167.564	545.839	8.91	1.34	1.03	5						
5177.561	546.895	8.95	1.37	1.13	5						
5184.550	547.633	8.60	1.18	0.89	5						
5185.641	547.748	8.71	1.30	0.99	5						
5186.578	547.847	8.89	1.37	1.05	5						
5188.548	548.055	8.93	1.31	0.97	5						
5195.583	548.798	8.81	1.32	1.01	5						
5201.528	549.426	8.46	1.08	0.74	5						
5205.546	549.851	8.89	1.35	1.04	5						
5208.586	550.172	8.71	1.18	0.84	5						
5236.464	553.119	8.80	1.21	0.93	5						
5238.513	553.333	8.54	1.11	0.78	5						
5241.490	553.647	8.60	1.20	0.90	5						
5243.534	553.863	8.88	1.37	1.07	5						
5246.489	554.175	8.71	1.18	0.85	5						
5257.427	555.331	8.52	1.10	0.78	5						
5306.240	560.487	8.37	1.07	0.71	6						
381 CEN											
J.D.	CYCLES	V	B-V	U-B	RF						
4520.456	690.067	7.48	0.66		7						
4521.411	890.255	7.47	0.66		7						
4546.333	895.162	7.35	0.61		7						
4886.520	962.145	7.34	0.60		7						
4932.291	971.157	7.36	0.63		7						
5161.582	1016.304	7.50	0.77	0.51	5						
5163.590	1016.699	7.94	0.97	0.70	5						
5166.619	1077.295	7.45	0.74	0.51	5						
5176.572	1019.255	7.42	0.70	0.44	5						
5177.556	1019.449	7.66	0.36	0.61	5						
5179.559	1019.843	8.00	0.99	0.69	5						
5184.575	1020.831	7.99	0.98	0.72	5						
5185.634	1021.039	7.53	0.73	0.43	5						
5186.574	1021.224	7.35	0.65	0.42	5						
5188.541	1021.612	7.81	0.95	0.69	5						
5195.579	1022.998	7.72	0.81	0.51	5						
5201.525	1024.168	7.31	0.64	0.37	5						
5204.573	1024.769	7.95	0.98	0.72	5						
5205.538	1024.948	7.87	0.88	0.59	5						
5208.580	1025.557	7.79	0.92	0.66	5						
5236.476	1031.050	7.49	0.79	0.43	5						
5238.509	1031.450	7.67	0.89	0.60	5						
5241.482	1032.036	7.55	0.73	0.44	5						
5243.529	1032.439	7.65	0.86	0.59	5						
5246.485	1033.021	7.62	0.75	0.47	5						
5257.423	1035.174	7.28	0.64	0.37	5						

TABLE 1 (continued)

419 CEN						420 CEN						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4585.243	832.551	8.35	0.86		7	5274.268	212.949	9.66	0.70	0.38	6						
4586.268	832.737	8.12	0.75		7	5275.275	212.989	9.69	0.73	0.47	6						
4587.206	832.908	8.10	0.72		7	5276.258	213.029	9.73	0.78	0.46	6						
4588.259	833.099	8.22	0.80		7												
4865.487	883.436	8.35	0.83		7												
						496 CEN											
4895.415	888.870	8.04	0.71		7	J.D.	CYCLES	V	B-V	U-B	RF						
4906.408	890.866	8.14	0.76		7	4513.434	1020.188	9.69	1.00		7						
4934.720	895.916	8.06	0.71		7	4517.465	1021.097	9.65	1.02		7						
5161.499	937.183	8.21	0.83	0.58	5	4522.345	1022.200	9.70	1.07		7						
5169.488	938.634	8.21	0.79	0.54	5	4530.457	1024.033	9.80	1.10		7						
						4867.459	1100.207	9.76	1.07		7						
5176.473	939.902	7.99	0.71	0.47	5												
5177.474	940.084	8.13	0.73	0.54	5	4929.358	1114.198	9.71	1.08		7						
5178.476	940.447	8.33	0.85	0.58	5	5165.546	1167.133	9.63	1.00	0.68	5						
5201.441	944.436	8.31	0.87	0.61	5	5165.551	1167.586	10.10	1.30	0.91	5						
5205.504	945.718	8.08	0.74	0.48	5	5166.544	1167.810	10.20	1.32	0.98	-5						
						5167.540	1168.035	9.80	1.09	0.72	5						
5236.363	950.780	8.02	0.68	0.45	5												
5238.434	951.152	8.19	0.82	0.58	5	5184.532	1171.876	10.21	1.31	0.97	-5						
5243.395	952.053	8.11	0.78	0.51	5	5185.604	1172.118	9.62	1.05	0.66	5						
5246.395	952.598	8.25	0.82	0.54	5	5186.552	1172.333	9.84	1.20	0.85	5						
5257.356	954.588	8.24	0.82	0.56	5	5188.516	1172.777	10.21	1.33	1.04	-5						
						5189.580	1173.017	10.02	1.18	0.84	5						
5311.207	964.366	8.28	0.88	0.57	6												
						5195.548	1174.366	9.88	1.19	0.88	5						
						5217.418	1179.309	9.80	1.16	0.79	6						
						5241.455	1184.743	10.17	1.32	0.96	5						
						5242.493	1184.977	9.99	1.19	0.84	5						
						5243.502	1185.205	9.69	1.09	0.72	5						
						5244.491	1185.429	9.98	1.27	1.00	5						
						5245.478	1185.652	10.12	1.32	0.92	5						
						5246.452	1185.872	10.23	1.31	0.96	-5						
						5250.499	1186.787	10.22	1.32	0.97	-5						
						5256.449	1188.132	9.42	1.02	0.68	5						
						5274.294	1192.165	9.63	1.04	0.70	6						
						5311.216	1200.511	9.98	1.27	0.91	6						
						8 CEP HD 213306											
						J.D.	CYCLES	V	B-V	U-B	RF						
						2762.774	515.952	4.29	0.80		8						
						2773.847	516.897	4.33	0.85		8						
						2779.990	518.042	3.91	0.68		8						
						3136.832	584.528	3.99	0.76		8						
						3137.837	584.726	4.21	0.86		8						
						3145.806	586.211	3.59	0.48		8						
						3146.830	586.401	3.82	0.64		8						
						3147.802	586.583	4.04	0.79		8						
						3148.854	586.779	4.27	0.86		8						
						3151.812	587.330	3.74	0.58		8						
						3152.854	587.524	3.96	0.74		8						
						3153.802	587.701	4.18	0.83		8						
						3154.892	587.904	4.35	0.84		8						
						3158.792	588.631	4.11	0.81		8						
						3159.826	588.823	4.28	0.86		8						
						3170.774	592.354	3.77	0.61		8						
						3179.753	592.527	3.98	0.74		8						
						3180.736	592.720	4.22	0.85		8						
						6825.632	1271.935	4.36	0.82		4						
						6825.820	1271.969	4.23	0.78		4						

TABLE 1 (continued)

B CEP MD 213306 CONT.						AK CEP CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6827.616	1272.304	3.79	0.60		4	6848.677	946.960	10.86	1.17	0.85	2
6827.835	1272.345	3.85	0.62		4						
6828.795	1272.524	4.07	0.79		4	6853.601	947.640	11.48	1.42		2
6829.770	1272.705	4.28	0.86		4	6856.680	948.066	10.87	1.22		2
6832.754	1273.261	3.71	0.54		4	6867.603	949.577	11.42	1.67		4
						6869.588	949.851	11.25	1.31		4
6837.602	1274.165	3.56	0.44		4	6876.617	950.823	11.41	1.36		4
6843.668	1274.195	3.78	0.36		4						
6846.657	1275.852	4.35	0.89		4	6879.588	951.234	11.10	1.30		4
6847.656	1276.038	3.90	0.60		4	6880.588	952.372	11.19	1.38		4
6848.638	1276.221	3.64	0.50		4	6943.559	960.079	10.94	1.22		4
						6948.565	960.771	11.49	1.43		4
7134.873	1329.560	4.04	0.83	0.53	1	6951.594	961.190	11.02	1.29		4
7143.933	1331.249	3.64	0.57	0.36	1						
7144.895	1331.428	3.89	0.71	0.45	1	6955.567	961.739	11.51	1.50		4
7147.704	1331.988	4.14	0.75	0.43	1	6972.572	964.090	10.93	1.24		4
7188.770	1339.604	4.06	0.83	0.59	1	7228.755	999.513	11.35	1.44	1.13	1
						7233.765	1000.205	11.07	1.32	0.89	1
7189.746	1339.786	4.30	0.89	0.64	1						
7191.808	1340.170	3.51	0.46	0.38	1						
7213.726	1344.254	3.61	0.56	0.35	1						
7214.715	1344.439	3.89	0.74	0.45	1						
7228.732	1347.050	3.79	0.57	0.31	1						
7233.758	1347.987	4.14	0.74	0.43	1						
7236.686	1348.533	4.04	0.71	0.50	1						
7237.687	1348.719	4.26	0.87	0.59	1						
7239.710	1349.096	3.55	0.47	0.30	1						
7515.915	1400.566	4.06	0.81	0.58	1						
7517.887	1400.934	4.29	0.84	0.57	1						
7521.944	1401.690	4.24	0.87	0.62	1						
7522.876	1401.863	4.31	0.90	0.63	1						
7523.845	1402.044	3.83	0.59	0.36	1						
7592.754	1414.885	4.33	0.88	0.65	1						
AK CEP						CP CEP					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6796.815	939.789	11.53	1.43		2	6830.605	382.541	10.90	1.96		4
6797.899	939.939	10.96	1.29		2	6831.704	382.602	10.97	1.86		4
6807.874	941.318	11.15	1.38	0.93	2	6831.747	382.605	10.99	1.92		4
6808.776	941.443	11.26	1.43	1.06	2	6832.699	382.658	10.95	1.88		4
6809.724	941.574	11.41	1.47	1.12	2	6833.622	382.710	10.85	1.78		4
6811.811	941.862	11.23	1.29	0.88	2	6836.588	382.876	10.58	1.59		4
6812.759	941.993	10.86	1.15	0.85	2	6837.586	382.932	10.29	1.45		4
6813.720	942.126	10.96	1.24	0.86	2	6837.838	382.946	10.25	1.42		4
6817.735	942.681	11.50	1.51	1.18	2	6843.650	383.271	10.53	1.74		4
6818.733	942.819	11.36	1.40	0.95	2	6846.642	383.439	10.77	1.87		4
6831.767	944.622	11.50	1.48		4	6847.640	383.495	10.85	1.91		4
6832.720	944.753	11.52	1.50		4	6848.624	383.550	10.92	1.91		4
6833.633	944.860	11.13	1.30		4	6867.590	384.612	10.94	1.86		4
6833.753	944.896	11.13	1.28	0.83	2	6869.575	384.723	10.78	1.75		4
6834.781	945.038	10.90	1.16	0.77	2	6876.582	385.115	10.32	1.55		4
6836.636	945.291	11.15	1.35		4	6879.576	385.283	10.52	1.74		4
6836.693	945.303	11.15	1.55	1.50	2	6880.579	385.339	10.59	1.80		4
6837.599	945.428	11.25	1.43		4	6941.558	388.754	10.73	1.73		4
6837.849	945.462	11.34	1.44		4	6942.551	388.810	10.74	1.65		4
6843.656	946.267	11.13	1.36		4	6948.558	389.146	10.35	1.56		4
6846.654	946.680	11.50	1.48		4	7521.904	421.255	10.59	1.70	1.48	1
6846.859	946.708	11.52	1.53	0.96	2	7600.724	425.670	10.50	1.82	1.60	1
6847.654	946.818	11.36	1.40		4	7601.618	425.720	10.82	1.76	1.45	1
6848.636	946.954	10.91	1.17		4	7619.681	426.732	10.74	1.75	1.47	1
						7635.614	427.624	10.91	1.90	1.71	1
						7646.635	428.241	10.33	1.75	1.43	1
						7647.643	428.298	10.49	1.70	1.52	1
						7654.644	428.690	10.81	1.78	1.42	1
						7655.624	428.765	10.73	1.70	1.36	1
						7656.604	428.800	10.69	1.63	1.29	1
						7661.627	429.091	10.20	1.51	1.15	1
						7663.641	429.194	10.35	1.58	1.36	1
CR CEP						J.D. CYCLES V B-V U-B RF					
						6772.917	1086.589	9.50	1.41		3
						6773.890	1086.745	9.60	1.36		3

TABLE 1 (continued)

CR CEF CONT.						CR CEF CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6774.875	1086.903	9.70	1.57		3	7228.763	1159.721	9.59	1.49	1.09	1
6777.967	1087.399	9.45	1.36	0.92	3	7233.771	1160.525	9.47	1.40	0.97	1
6785.957	1088.683	9.57	1.48	1.11	3	7241.740	1161.803	9.66	1.51	1.17	1
6787.868	1088.988	9.77	1.58	1.18	3	7251.681	1163.398	9.45	1.35	0.93	1
6789.971	1089.325	9.54	1.39	0.94	3	7253.645	1163.713	9.61	1.53	1.11	1
6806.791	1092.024	9.81	1.55	1.29	3	7267.610	1165.954	9.75	1.55	1.22	1
6807.777	1092.182	9.77	1.50	1.07	3	7275.585	1166.912	9.76	1.54	1.18	1
6806.783	1092.343	9.51	1.39	1.00	3	7515.938	1205.793	9.64	1.50	1.15	1
6809.778	1092.503	9.45	1.41	1.01	3	RY CMA					
6810.783	1092.664	9.57	1.48	1.05	3	J.D.	CYCLES	V	B-V	U-B	RF
6811.778	1092.824	9.64	1.54	1.10	3	5161.301	1103.304	8.36	1.05	0.76	5
6812.781	1092.985	9.78	1.57	1.15	3	5164.316	1103.949	7.88	0.94	0.67	5
6813.774	1093.144	9.81	1.56	1.07	3	5166.319	1104.377	8.37	1.05	0.80	5
5814.790	1093.307	9.60	1.40	0.97	3	5176.318	1106.514	6.32	0.08	0.69	5
6815.749	1093.461	9.45	1.37	0.97	3	5177.307	1106.726	7.69	0.72	0.45	5
6816.774	1093.625	9.54	1.44	1.12	3	5187.257	1108.874	7.91	0.81		7
6817.737	1093.780	9.65	1.51	1.09	3	5194.349	1110.369	8.43	1.04		7
6819.766	1094.105	9.84	1.56	1.25	3	5195.282	1110.568	8.14	0.87	0.57	5
6825.655	1095.050	9.53	1.58		4	5201.265	1111.847	7.90	0.81	0.53	5
6825.845	1095.081	9.82	1.56		4	5208.250	1113.340	8.38	1.03	0.75	5
6826.843	1095.241	9.67	1.47		4	5209.251	1113.554	8.20	0.90	0.59	5
6827.636	1095.368	9.49	1.37		4	5223.241	1116.545	8.30	0.91		7
6827.850	1095.402	9.47	1.38		4	5224.279	1116.767	7.79	0.72		7
6829.788	1095.713	9.61	1.43		4	5238.230	1119.749	7.75	0.73	0.43	5
6830.792	1095.874	9.73	1.53		4	5242.225	1120.603	7.98	0.79	0.50	5
6831.782	1096.033	9.83	1.57		4	5245.203	1121.240	8.32	1.02	0.74	5
6832.730	1096.185	9.78	1.51		4	5246.201	1121.453	8.45	1.03	0.75	5
6833.638	1096.331	9.54	1.40		4	5256.208	1123.592	8.02	0.82	0.53	5
6837.615	1096.969	9.79	1.57		4	5332.419	1182.636	7.85	0.74		7
6837.855	1097.007	9.83	1.58		4	5555.366	1187.541	8.42	0.91		7
6843.683	1097.942	9.76	1.55		4	5612.214	1199.694	7.72	0.66		7
6845.702	1098.266	9.65	1.43	0.99	3	7623.946	1629.731	7.69	0.62	0.53	1
6846.668	1098.421	9.47	1.36		4	7535.906	1632.287	8.36	0.99	0.72	1
6846.740	1098.433	9.45	1.36	0.93	3	7648.924	1635.070	8.13	0.92	0.60	1
6847.666	1098.581	9.52	1.43		4	7653.852	1636.130	6.22	0.94	0.65	1
6848.652	1098.740	9.61	1.49		4	7654.858	1636.339	8.38	0.99	0.73	1
6849.736	1098.913	9.73	1.53	1.09	3	7656.747	1636.743	7.78	0.67	0.44	1
6866.602	1101.619	9.53	1.44		4	7660.834	1637.616	8.14	0.82	0.48	1
6867.609	1101.781	9.64	1.50		4	7661.779	1637.818	7.84	0.73	0.47	1
6869.594	1102.099	9.81	1.55		4	7663.786	1638.247	8.32	0.93	0.72	1
6876.624	1103.227	9.75	1.44		4	RZ CMA					
6879.595	1103.704	9.56	1.46		4	J.D.	CYCLES	V	B-V	U-B	RF
6880.600	1103.865	9.19	1.53		4	5187.373	1219.124	9.77	1.10		-7
6940.606	1113.492	9.44	1.58		4	5194.360	1220.766	9.43	0.93		7
6953.568	1115.571	9.49	1.41		4	5223.253	1227.557	9.81	1.04		7
6971.577	1118.451	9.44	1.36		4	5224.291	1227.801	9.46	0.94		7
7134.883	1144.660	9.55	1.51	1.08	1	5535.373	1300.910	9.58	1.03		7
7147.919	1146.751	9.62	1.52	1.10	1	5547.412	1303.740	9.40	0.90		7
7160.787	1148.816	9.70	1.54	1.11	1	5555.379	1305.612	9.57	0.95		7
7162.794	1149.138	9.73	1.55	1.12	1	5568.240	1308.658	9.45	0.89		7
7178.863	1151.716	9.52	1.30	1.07	1	5573.330	1309.831	9.51	0.96		7
7183.838	1152.514	9.48	1.41	0.97	1	7015.610	1648.792	9.46	0.94	0.55	1
7191.833	1153.797	9.62	1.50	1.15	1	7020.632	1649.972	9.66	1.06	0.64	1
7198.880	1154.927	9.78	1.49	1.20	1						
7202.829	1155.561	9.51	1.43	1.00	1						
7203.810	1155.718	9.63	1.49	1.07	1						
7205.829	1156.042	9.78	1.56	1.18	1						

TABLE I (continued)

RZ CMA		CONT.				TW CMA		CONT.			
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7022.620	1650.440	9.96	1.08	0.70	1	6857.001	980.343	9.54	1.01		2
7023.642	1650.680	9.38	0.86	0.52	1	6859.006	980.631	9.78	1.12		2
7600.939	1786.355	9.94	1.12	0.74	1	7015.617	1003.022	9.35	0.86	0.49	1
7601.907	1786.582	9.58	0.97	0.57	1						
7623.960	1791.765	9.37	0.90	0.68	1	7020.637	1003.740	9.88	1.16	0.83	1
7635.916	1794.575	9.65	1.01	0.58	1	7022.626	1004.024	9.37	0.84	0.49	1
7648.931	1797.634	9.40	0.89	0.56	1	7023.637	1004.169	9.35	0.85	0.57	1
7653.890	1798.799	9.48	0.94	0.60	1	7315.799	1045.939	9.58	0.98	0.56	1
7654.865	1799.028	9.71	1.09	0.68	1	7600.946	1086.706	9.85	1.14	0.86	1
7656.755	1799.472	9.94	1.11	0.66	1	7601.913	1086.845	9.85	1.13	0.79	1
7660.841	1800.433	9.95	1.12	0.69	1	7635.923	1091.707	9.86	1.18	0.85	1
7661.785	1800.655	9.38	0.89	0.53	1	7648.939	1093.568	9.65	1.10	0.74	1
7663.773	1801.126	9.79	1.11	0.73	1	7653.897	1094.277	9.44	0.94	0.63	1
						7654.872	1094.416	9.48	1.07	0.66	1
						7656.765	1094.687	9.81	1.14	0.82	1
						7660.848	1095.271	9.43	0.95	0.63	1
						7661.792	1095.406	9.50	1.02	0.67	1
						7663.799	1095.692	9.80	1.16	0.85	1
SS CMA						VZ CMA					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5164.332	417.759	9.27	1.02	0.70	5						
5165.307	417.838	9.54	1.17	0.84	5						
5166.325	417.920	9.74	1.24	0.96	5						
5167.332	418.001	9.86	1.28	1.02	5						
5195.297	420.264	10.34	1.46	1.13	-5						
5209.270	421.394	10.33	1.42	1.05	-5	4811.356	1538.945	12.75	0.31		-7
5238.241	423.737	9.42	1.00	0.65	5	4812.349	1539.262	12.48	0.61		7
5239.224	423.817	9.56	1.09	0.75	5	5161.309	1650.879	9.45	1.05	0.71	5
5242.234	424.060	9.99	1.38	1.02	5	5165.313	1652.160	9.51	1.11	0.74	5
5246.218	424.383	10.30	1.42	1.12	-5	5166.335	1652.487	9.16	0.92	0.63	5
5267.198	426.080	10.04	1.34	1.02	5	5195.305	1661.753	9.29	0.97	0.65	5
						5209.278	1666.223	9.54	1.04	0.71	5
						5238.246	1675.488	9.22	0.90	0.62	5
						5239.234	1675.804	9.35	1.00	0.67	5
						5242.239	1676.765	9.30	0.97	0.65	5
						5256.220	1681.237	9.52	1.04	0.69	5
TV CMA						Y COM					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4811.378	1030.318	10.36	1.11		-7						
5187.348	1110.829	10.88	1.38		7						
5194.337	1112.325	10.34	1.15		7						
5224.265	1118.734	10.82	1.38		7						
5535.363	1185.353	10.35	1.16		7						
5555.356	1189.635	10.70	1.35		7	7014.722	161.518	12.61	1.29	0.98	1
5567.308	1197.194	10.16	1.05		7	7015.778	161.542	12.61	1.30	0.93	1
5573.316	1198.481	10.50	1.23		-7	7020.779	161.657	12.59	1.34	1.05	1
5580.284	1198.773	10.91	1.36		7	7021.802	161.681	12.62	1.35	1.08	1
6854.011	1467.731	10.80	1.39		2	7022.806	161.704	12.64	1.36	1.15	1
6856.986	1468.368	10.42	1.18		2	7043.798	162.187	12.86	1.45	1.23	1
6858.995	1468.796	10.86	1.34		2	7044.704	162.208	12.86	1.40	1.20	1
						7049.844	162.327	12.79	1.39	1.41	1
						7050.772	162.348	12.83	1.44	1.17	1
						7052.779	162.394	12.83	1.47	1.23	1
TW CMA						Y COM					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5532.429	790.971	9.48	0.91		7	7054.740	162.439	12.90	1.47	1.24	1
5535.383	791.393	9.51	1.04		7	7056.843	162.483	12.81	1.37	1.29	1
5547.421	793.114	9.29	0.83		7	7057.679	162.507	12.94	1.41	1.28	1
5555.393	794.254	9.47	1.01		-7	7081.750	163.061	12.80	1.40	1.26	1
5573.335	796.819	9.89	1.13		7	7083.712	163.106	12.80	1.43	1.19	1
5595.268	799.955	9.56	0.94		7	7086.768	163.177	12.84	1.46	1.17	1
5627.193	804.519	9.63	1.11		7	7087.645	163.197	12.82	1.44	1.10	1
						7087.651	163.197	12.78	1.36	1.27	1
						7091.722	163.291	12.74	1.24		1
						7099.737	163.475	12.67	1.34	1.13	1

TABLE 1 (continued)

[illegible]

TABLE 1 (continued)

R CRU						T CRU					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5176.505	886.556	7.07	0.99	0.73	5	4834.158	717.956	6.73	1.05		9
5177.510	888.729	7.07	0.94	0.67	5	4845.069	719.577	6.45	0.87		9
5179.509	889.072	6.52	0.71	0.47	5						
5201.484	892.844	6.61	0.70	0.44	5	4848.054	720.020	6.76	1.04		9
5205.498	893.533	7.05	0.99	0.72	5	4873.045	723.732	6.56	0.95		9
						4917.999	730.408	6.40	0.81		9
5208.540	894.055	6.49	0.72	0.45	5	4920.992	730.853	6.67	1.00		9
5216.404	895.405	6.93	0.92	0.63	6	4925.008	731.449	6.40	0.80		9
5236.430	898.842	6.63	0.72	0.45	5						
5238.470	899.192	6.70	0.79	0.54	5	4925.352	731.500	6.36	0.79		7
5243.470	900.051	6.48	0.71	0.45	5	4925.949	731.589	6.47	0.89		9
						4927.017	731.748	6.56	0.54		9
5246.421	900.557	7.07	1.00	0.74	5	4931.231	732.373	6.44	0.83		-7
						4949.992	735.160	6.84	1.04		9
	S CRU					4950.967	735.305	6.60	0.86		9
J.D.	CYCLES	V	B-V	U-B	RF	4952.969	735.602	6.47	0.88		9
4587.270	971.192	6.94	0.96		7	4953.934	735.745	6.58	0.97		9
4588.297	978.311	6.75	0.81		7	5161.517	766.575	6.41	0.88	0.61	5
4847.418	1033.560	6.32	0.67		7	5176.500	768.800	6.56	0.98	0.73	5
4907.362	1046.341	6.51	0.70		7						
4908.262	1046.533	6.28	0.63		7	5177.506	768.950	6.70	1.05	0.82	5
						5179.500	769.246	6.65	0.95	0.69	5
4931.291	1051.443	6.22	0.58		7	5186.557	770.591	6.46	0.86		7
5169.558	1102.246	6.88	0.91	0.63	5	5194.592	771.487	6.39	0.81		7
5176.547	1103.736	6.55	0.82	0.56	5	5201.481	772.510	6.34	0.83	0.57	5
5177.534	1103.947	6.76	0.93	0.67	5						
5179.538	1104.374	6.40	0.67	0.41	5	5205.491	773.106	6.81	1.08	0.81	5
						5208.532	773.557	6.40	0.86	0.59	5
5185.595	1105.656	6.47	0.77	0.49	5	5236.421	777.699	6.49	0.95	0.69	5
5201.506	1109.058	6.86	0.95	0.69	5	5238.460	778.002	6.78	1.06	0.81	5
5204.556	1109.709	6.49	0.81	0.54	5	5243.467	778.746	6.51	0.97	0.71	5
5205.523	1109.915	6.74	0.92	0.65	5						
5208.563	1110.563	6.32	0.69	0.42	5	5292.330	786.005	6.74	1.07	0.82	5
						5296.269	786.588	6.47	0.88		7
5236.460	1116.511	6.23	0.63	0.37	5	X CRU					
5238.493	1116.945	6.76	0.94	0.66	5	J.D.	CYCLES	V	B-V	U-B	RF
5241.448	1117.575	6.32	0.69	0.42	5	4563.363	733.665	8.63	1.14		7
5243.498	1118.012	6.81	0.94	0.68	5	4564.312	733.816	8.67	1.11		-7
5246.448	1118.641	6.42	0.76	0.49	5	4565.331	733.980	8.52	1.01		7
						4901.451	788.018	8.41	0.98		7
5250.494	1119.503	6.25	0.64	0.37	5	4906.436	788.820	8.72	1.16		7
5273.283	1124.362	6.42	0.68	0.36	6						
5282.325	1126.290	6.80	0.84		7	4907.355	788.968	8.45	1.00		7
5348.237	1140.344	6.56	0.68		7	4914.376	790.096	8.20	0.90		7
5358.200	1142.468	6.28	0.57		7	4925.363	791.863	8.67	1.13		7
						5169.546	831.121	8.12	0.86	0.59	5
						5176.541	832.246	8.14	0.90	0.63	5
	T CRU										
J.D.	CYCLES	V	B-V	U-B	RF	5177.330	832.404	8.30	1.01	0.74	5
3776.183	560.829	6.60	0.99		9	5179.530	832.726	8.57	1.08	0.87	5
3777.186	560.978	6.73	1.05		9	5185.589	833.700	8.55	1.12	0.82	5
3852.950	572.230	6.70	0.96		9	5188.568	834.179	8.15	0.84		7
3855.891	572.667	6.49	0.91		9	5201.502	836.258	8.17	0.93	0.63	5
4513.410	670.320	6.56	0.88		7						
4520.433	671.363	6.47	0.81		7	5205.516	836.904	8.62	1.10	0.79	5
4521.386	671.504	6.40	0.79		7	5208.555	837.392	8.30	1.03	0.73	5
4527.096	672.352	6.52	0.83		9	5236.452	841.877	8.63	1.13	0.86	5
4554.412	673.439	6.35	0.76		7	5238.489	842.205	8.11	0.89	0.60	5
4544.015	674.865	6.66	1.02		9	5241.444	842.680	8.53	1.11	0.82	5
4558.020	676.943	6.74	1.07		9	5243.494	843.010	8.33	0.98	0.67	5
4561.003	677.388	6.44	0.79		9	5246.438	843.483	8.36	1.05	0.78	5
4833.119	717.602	6.61	1.01		9	5281.329	849.092	8.16	0.88		7

TABLE 1 (continued)

X CRU						TY CRU					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5282.311	849.250	8.29	0.93		7	4567.300	915.575	12.46	1.31		7
5308.216	853.431	8.41	1.05		7	4576.297	917.379	12.80	1.49		7
						4577.307	917.581	12.58	1.35		-7
5309.231	853.578	8.49	1.10	0.01	6	4916.323	985.541	12.59	1.38		7
						5555.559	1113.684	12.68	1.52		-7
						5574.402	1117.462	12.52	1.42		-7
						5629.274	1128.462	12.69	1.38		-7
SU CRU						VW CRU					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4512.422	351.178	9.67	1.71		7	4512.420	857.086	9.49	1.20		7
4530.429	352.579	10.00	2.10		7	4513.425	857.275	9.47	1.28		7
4532.408	352.733	10.04	2.03		7	4545.260	863.322	9.51	1.29		7
4534.407	352.889	9.86	1.82		7	4585.258	870.919	9.96	1.46		7
4587.252	357.001	9.46	1.43		7	4929.345	936.275	9.47	1.27		7
4834.561	376.248	9.73	1.20		7	4934.286	937.213	9.42	1.22		7
4895.452	380.987	9.43	1.44		7	5163.535	980.756	9.87	1.41	1.04	5
4896.394	381.060	9.59	1.59		7	5165.545	981.138	9.34	1.15	0.83	3
4921.387	383.005	9.43	1.44		7	5166.538	981.327	9.46	1.30	0.96	5
4922.306	383.077	9.58	1.59		7	5184.497	984.738	9.82	1.46	1.01	5
4934.235	384.005	9.43	1.45		7	5186.543	985.127	9.33	1.18	0.89	5
5166.532	402.084	9.56	1.55	1.13	5	5188.502	985.499	9.60	1.33	1.08	5
5184.491	403.481	9.95	1.73	1.52	-5	5189.563	985.700	9.79	1.42	1.07	5
5186.540	403.641	10.04	1.95	1.52	-5	5195.544	986.836	9.88	1.49	1.16	-5
5188.497	403.793	9.87	1.84	1.35	-5	5216.415	990.800	9.92	1.46	1.16	6
5189.558	403.876	9.83	1.80	1.46	-5	5223.394	992.126	9.35	1.17	0.84	6
5241.425	407.912	9.81	1.69	1.24	-5	5241.428	995.551	9.66	1.38	1.03	5
5242.401	407.994	9.39	1.40	0.98	5	5242.485	995.752	9.22	1.42	1.11	5
5243.464	408.071	9.53	1.56	1.09	5	5243.476	995.940	9.84	1.34	1.00	5
5244.480	408.150	9.63	1.63	1.30	-5	5244.487	996.132	9.34	1.16	0.82	5
5245.464	408.226	9.68	1.76	1.39	-5	5245.471	996.319	9.45	1.27	0.94	5
5246.415	408.300	9.75	1.80	1.39	-5	5250.391	997.254	9.38	1.23	0.89	5
5247.423	408.379	9.81	1.86	1.55	-5	5275.319	1001.989	9.76	1.36	0.99	6
5250.477	408.617	10.01	2.02	1.62	-5	5276.292	1002.173	9.34	1.18	0.83	6
5256.443	409.081	9.54	1.55	1.18	5						
5257.397	409.155	9.63	1.63	1.33	-5						
5270.395	410.167	9.60	1.68	1.30	-5						
5276.287	410.625	10.04	1.94	1.69	6						
5278.236	410.777	9.94	1.82	1.51	6						
5331.231	414.901	9.85	1.80		7						
5626.247	437.861	9.99	1.89		7						
5627.250	437.939	9.74	1.70		7						
5639.226	438.871	9.90	1.90		-7						
5640.247	438.950	9.66	1.65		7						
5641.237	439.027	9.51	1.57		7						
SV CRU						VX CRU					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4512.403	644.236	11.76	1.26		7	4512.441	369.491	12.24	1.80		7
4546.321	649.079	12.06	1.38		7	4517.445	369.900	11.75	1.52		7
4575.267	653.211	11.82	1.24		7	4517.454	369.901	11.67	1.53		7
4576.289	653.357	12.00	1.41		7	4530.444	370.965	11.38	1.42		7
4834.496	690.221	11.79	1.33		-7	4569.324	374.148	11.85	1.58		7
4919.388	702.241	11.97	1.35		-7	4580.294	375.047	11.57	1.55		-7
4925.313	703.167	11.81	1.25		7	4896.405	400.931	11.64	1.47		7
						5251.422	430.000	11.47	1.45		7
AD CRU						AD CRU					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4521.377	704.637	10.73	1.09		7	4521.377	704.637	10.73	1.09		7
4534.398	708.472	10.69	1.12		7	4534.398	708.472	10.69	1.12		7
4535.409	708.830	10.87	1.27		7	4535.409	708.830	10.87	1.27		7
4834.551	755.583	10.76	1.18		7	4834.551	755.583	10.76	1.18		7
4867.447	760.724	10.79	1.20		7	4867.447	760.724	10.79	1.20		7

TABLE I (continued)

AD CRU		CONT.				CYG		CONT.			
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4924.353	769.613	10.85	1.28		-7	3093.906	188.807	6.77	1.29		8
4925.342	769.772	10.84	1.22		7						
4931.276	770.700	10.71	1.21		7	3095.906	188.929	6.57	1.12		8
5183.530	806.998	10.96	1.38	1.00	-5	3096.899	188.990	5.81	0.84		8
5186.515	807.465	11.25	1.43	1.05	-5	3098.965	189.116	6.08	0.98		8
						3119.837	190.390	6.40	1.36		8
5186.531	810.593	10.64	1.15	0.81	-5	3122.833	190.572	6.70	1.51		8
5188.493	810.500	11.44	2.01		-5						
5224.521	816.500	10.98	1.26		7	3123.934	190.640	6.79	1.52		8
5241.417	819.171	11.32	1.37	1.14	-5	3125.927	190.761	6.80	1.37		8
5242.476	819.337	11.42	1.49	1.08	-5	3126.938	190.823	6.63	1.26		8
						3131.764	191.117	6.09	1.01		8
5243.455	819.490	11.16	1.22	0.86	-5	3132.920	191.186	6.18	1.09		8
5244.476	819.649	10.71	1.09	0.77	-5						
5245.460	819.803	10.91	1.26	0.90	-5	3133.951	191.251	6.25	1.16		8
5257.391	821.668	10.71	1.14	0.83	-5	3151.713	192.335	6.41	1.28		8
5270.387	823.699	10.71	1.17	0.80	-5	3152.823	192.403	6.51	1.36		8
						3153.865	192.466	6.62	1.40		8
5275.314	824.469	11.23	1.37	0.96	6	3154.837	192.525	6.68	1.45		8
5276.274	824.619	10.67	1.12	0.73	5						
5282.285	825.558	10.98	1.21		7	3179.567	194.041	5.92	0.90		9
5300.225	829.300	11.44	1.49	1.14	-6	7131.877	435.227	6.22	1.15	0.93	1
5308.276	829.620	10.75	1.14		7	7142.807	435.493	6.64	1.21	0.89	1
						7143.869	435.958	6.15	0.96	0.61	1
						7144.849	436.018	5.88	0.84	0.56	1
AG CRU											
J.D.	CYCLES	V	B-V	U-B	RF	7147.856	436.201	6.12	1.13	0.87	1
						7149.881	436.325	6.34	1.28	1.10	1
4563.328	1189.194	7.81	0.54		7	7156.894	436.753	6.83	1.39	1.20	1
4575.303	1192.314	7.98	0.64		7	7178.794	438.089	6.04	1.15	0.59	1
4847.399	1263.222	7.75	0.55		7	7183.733	438.391	6.42	1.33	1.14	1
4849.451	1273.138	7.98	0.60		7						
4901.435	1277.304	7.94	0.66		7	7206.731	439.794	6.73	1.32	1.02	1
						7213.697	440.219	6.15	1.15	0.88	1
4916.347	1281.190	7.82	0.54		7	7214.677	440.279	6.29	1.22	0.96	1
4920.394	1282.244	7.84	0.58		7	7214.697	440.280	6.15	1.15	0.88	1
5169.531	1347.169	7.77	0.56	0.32	5	7215.658	440.339	6.36	1.30	1.05	1
5176.515	1348.989	8.54	0.92	0.63	5						
5177.529	1349.250	7.75	0.59	0.35	5	7220.621	440.64	6.72	1.47	1.38	1
						7221.640	440.704	6.85	1.43	1.36	1
5179.515	1349.771	8.49	0.95	0.68	5	7451.965	454.760	6.82	1.41	1.09	1
5201.492	1355.498	8.20	0.83	0.54	5	7472.911	456.038	5.87	0.87	0.55	1
5205.503	1356.543	8.25	0.84	0.58	5	7515.322	458.657	6.85	1.45	1.41	1
5208.544	1357.335	7.93	0.69	0.41	5						
5236.434	1364.604	8.37	0.89	0.61	5	7521.854	459.025	5.91	0.85	0.63	1
5238.476	1365.136	7.92	0.62	0.36	5	SU CYG					
5241.433	1365.906	8.56	0.95	0.67	5	J.D.	CYCLES	V	B-V	U-B	RF
5243.481	1366.440	8.09	0.77	0.49	5	3091.910	803.999	6.65	0.41		8
5246.430	1367.208	7.74	0.56	0.20	5	3092.944	804.268	6.86	0.58		8
5250.483	1368.265	7.80	0.61	0.35	5	3093.948	804.529	7.06	0.68		8
						3094.943	804.788	7.14	0.67		8
X CYG						3095.944	805.048	6.51	0.42		8
J.D.	CYCLES	V	B-V	U-B	RF	3096.930	805.304	6.90	0.59		8
2757.930	168.304	6.31	1.24		8	3098.938	805.927	7.17	0.65		8
2758.781	168.356	6.40	1.31		8	3125.906	812.639	7.15	0.62		8
2766.882	168.850	6.59	1.24		8	3126.912	813.101	6.61	0.46		8
2768.771	168.966	6.11	0.87		8	3152.798	819.832	7.13	2.64		8
2771.882	169.155	6.14	1.03		8						
						3153.816	820.497	6.61	0.42		8
2772.865	169.215	6.19	1.12		8	3154.788	820.349	6.94	0.61		8
2775.795	169.272	6.24	1.20		8	3159.750	821.640	7.10	0.69		8
2776.954	169.337	6.37	1.29		8	5348.308	1390.737	7.21	0.69		7
2776.983	169.467	6.58	1.42		8	5349.271	1390.988	7.17	0.40		7

TABLE 1 (continued)

SU CYG		CONT.				SZ CYG		CONT.			
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5364.310	1394.898	6.77	0.55		7	6819.788	451.420	9.82	1.76	1.60	2
5365.324	1395.162	6.72	0.52		7	6833.791	452.347	9.80	1.81	1.67	2
7050.946	1833.479	7.07	0.72	0.30	1	6834.738	452.410	9.81	1.76	1.68	2
7052.887	1833.984	6.54	0.36	0.07	1						
7118.893	1851.148	6.69	0.54	0.23	1	6849.730	453.402	9.80	1.78	1.73	2
						6849.730	675.420	9.80	1.78	1.72	2
7148.846	1852.937	6.47	0.42	0.18	1	7190.676	475.971	9.25	1.54	1.37	1
7149.858	1852.200	6.77	0.58	0.25	1	7198.785	476.507	9.67	1.63	1.39	1
7175.700	1866.700	7.18	0.70	0.26	1	7203.742	476.835	9.09	1.35	1.05	1
7202.663	1872.931	6.51	0.42	0.23	1						
7203.715	1873.205	6.80	0.58	0.26	1	7214.731	477.563	9.59	1.56	1.22	1
						7220.656	477.955	9.26	1.54	1.33	1
7205.673	1873.714	7.18	0.71	0.26	1	7221.660	478.021	9.36	1.61	1.50	1
7213.691	1875.799	7.08	0.63	0.23	1	7233.715	478.819	9.02	1.33	1.07	1
7220.596	1877.594	7.17	0.70	0.27	1						
7451.933	1937.749	7.18	0.68	0.24	1						
7516.813	1954.620	7.22	0.73	0.29	1						
						TX CYG					
7522.827	1956.184	6.81	0.55	0.30	1	J.D.	CYCLES	V	B-V	U-B	RF
						6735.920	457.967	9.15	1.75		2
						6740.823	458.301	9.72	2.08		2
						6741.767	458.365	9.78	2.12		2
						6742.778	458.434	9.97	2.23		2
						6746.815	458.708	9.72	2.01		2
						6748.870	458.848	8.85	1.57		2
						6749.884	458.917	8.99	1.66		2
						6757.805	459.455	10.03	2.20		2
						6758.801	459.523	10.01	2.17		2
						6759.831	459.593	9.92	2.11		2
						6760.894	459.665	9.80	2.03		2
						6767.780	460.154	9.41	1.96		2
						6774.893	460.611	9.89	2.02		3
						6777.860	460.819	9.20	1.69	1.15	3
						6784.778	461.289	9.65	2.10	1.57	-3
						6785.806	461.359	9.77	2.14	1.72	3
						6786.772	461.425	9.92	2.12		3
						6787.760	461.492	9.98	2.11		3
						6789.810	461.632	9.85	2.07		3
						6791.831	461.769	9.66	1.83	1.47	3
						6792.755	461.831	9.03	1.61	1.21	3
						6793.748	461.899	8.91	1.59	1.18	3
						6793.855	461.908	8.98	1.67	1.26	2
						6805.712	462.712	9.73	1.91	1.55	3
						6806.729	462.782	9.51	1.85	1.41	3
						6806.802	462.787	9.57	1.87	1.50	2
						6807.825	462.856	8.82	1.54	1.17	2
						6808.737	462.918	8.99	1.66	1.22	3
						6809.723	462.985	9.15	1.75	1.34	3
						6810.732	463.054	9.25	1.85	1.37	3
						6811.727	463.121	9.38	1.91	1.44	3
						6812.723	463.189	9.47	1.98	1.65	3
						6813.734	463.257	9.62	2.01	1.78	3
						6816.894	463.473	9.94	2.22	2.01	2
						6817.714	463.528	10.04	2.12		3
						6853.683	465.974	9.12	1.73	1.32	2
						7190.695	488.887	8.78	1.56	1.20	1
						7239.678	492.217	9.49	2.04	1.74	1
						6731.892	334.414	10.45	1.96		2
						6735.395	334.613	9.82	1.94		2
						6741.751	334.904	9.89	1.75		2

TABLE 1 (continued)

VX CYG						VY CYG						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5744.897	335.060	10.11	1.92		2	6784.675	863.525	9.40	1.22	0.84	3	6784.675	863.525	9.40	1.22	0.84	3
5746.790	335.154	10.26	2.00		2	6785.841	863.673	9.44	1.26	0.90	3	6785.841	863.673	9.44	1.26	0.90	3
6748.848	335.257	10.46	2.06		2	6786.812	863.797	9.72	1.37	1.06	-3	6786.812	863.797	9.72	1.37	1.06	-3
6749.864	335.307	10.48	2.07		2	6787.767	863.918	9.85	1.43	1.07	3	6787.767	863.918	9.85	1.43	1.07	3
6751.874	335.407	10.58	1.85		3	6789.824	864.180	9.83	1.35	1.04	3	6789.824	864.180	9.83	1.35	1.04	3
6753.931	335.509	10.29	1.82		2	6790.852	864.311	9.33	1.06	0.80	2	6790.852	864.311	9.33	1.06	0.80	2
6757.796	335.701	9.62	1.46		2	6791.712	864.420	9.27	1.16	0.82	3	6791.712	864.420	9.27	1.16	0.82	3
6758.793	335.751	9.69	1.55		2	6792.763	864.554	9.39	1.20	0.85	3	6792.763	864.554	9.39	1.20	0.85	3
6759.801	335.801	9.72	1.64		2	6796.749	865.061	10.03	1.48		2	6796.749	865.061	10.03	1.48		2
6760.880	335.854	9.83	1.71		2	6805.744	866.206	9.75	1.30	0.03	3	6805.744	866.206	9.75	1.30	0.03	3
6774.792	336.545	10.31	1.78		3	6806.737	866.333	9.23	1.05	0.81	3	6806.737	866.333	9.23	1.05	0.81	3
6777.850	336.697	9.54	1.47	1.06	3	6807.733	866.459	9.35	1.23	0.80	3	6807.733	866.459	9.35	1.23	0.80	3
6784.768	337.041	10.11	1.94		3	6808.743	866.586	9.34	1.21	0.83	3	6808.743	866.586	9.34	1.21	0.83	3
6785.782	337.091	10.16	1.95		3	6811.734	866.769	9.93	1.49	1.16	3	6811.734	866.769	9.93	1.49	1.16	3
6786.759	337.140	10.25	2.00		3	6812.731	867.096	10.01	1.47	1.16	3	6812.731	867.096	10.01	1.47	1.16	3
6787.752	337.189	10.25	1.96		3	6813.731	867.223	9.70	1.27	0.84	3	6813.731	867.223	9.70	1.27	0.84	3
6789.810	337.291	10.53	1.97		3	6814.752	867.353	9.22	1.06	0.80	3	6814.752	867.353	9.22	1.06	0.80	3
6790.748	337.348	10.54	2.01		2	6815.734	867.478	9.38	1.20	0.86	3	6815.734	867.478	9.38	1.20	0.86	3
6796.780	337.638	9.70	1.47	1.01	2	6816.718	867.603	9.35	1.20	0.85	3	6816.718	867.603	9.35	1.20	0.85	3
6810.725	338.330	10.55	1.98		3	6833.809	869.778	9.66	1.39	1.00	2	6833.809	869.778	9.66	1.39	1.00	2
6811.717	338.380	10.59	2.03		3	6834.766	869.900	9.80	1.43	1.21	2	6834.766	869.900	9.80	1.43	1.21	2
6811.927	338.390	10.48	1.96	1.74	2	6835.672	870.143	9.91	1.42	1.10	2	6835.672	870.143	9.91	1.42	1.10	2
6812.717	338.429	10.44	1.91		3	6845.676	871.289	9.39	1.13	0.75	3	6845.676	871.289	9.39	1.13	0.75	3
6813.717	338.479	10.34	1.79	1.28	3	6846.685	871.417	9.28	1.11	0.80	3	6846.685	871.417	9.28	1.11	0.80	3
6814.744	338.530	10.34	1.77	1.44	3	6847.758	871.554	9.40	1.21	0.88	3	6847.758	871.554	9.40	1.21	0.88	3
6815.727	338.579	10.20	1.70	1.27	3	6849.721	871.803	9.72	1.41	0.95	3	6849.721	871.803	9.72	1.41	0.95	3
6816.711	338.628	9.72	1.49	1.13	3	6853.608	872.298	9.35	1.08	0.77	2	6853.608	872.298	9.35	1.08	0.77	2
6817.683	338.676	9.55	1.45	1.03	3	7190.712	915.203	9.71	1.30	0.90	1	7190.712	915.203	9.71	1.30	0.90	1
6817.716	338.678	9.54	1.46	1.09	2	7228.688	920.037	9.99	1.46	1.17	1	7228.688	920.037	9.99	1.46	1.17	1
6818.682	338.726	9.61	1.48	1.13	3	7241.710	921.694	9.50	1.28	0.94	1	7241.710	921.694	9.50	1.28	0.94	1
6819.680	338.775	9.71	1.56	1.19	3												
6834.754	339.524	10.27	1.77	1.44	2												
6841.729	339.871	9.83	1.67	1.55	3												
6849.738	340.268	10.47	2.00	1.83	2												
6853.676	340.464	10.34	1.83		2												
6857.602	340.659	9.60	1.47		2												
7190.685	357.205	10.34	2.00	1.92	1												
VY CYG						VZ CYG											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF						
6735.910	857.313	9.29	1.04		2	6735.955	1384.687	9.01	0.98		2						
6736.892	857.443	9.44	1.06		2	6736.934	1384.889	9.19	1.04		2						
6742.773	858.192	9.88	1.35		2	6740.859	1385.696	9.06	0.98		2						
6744.905	858.463	9.36	1.17		2	6741.783	1385.885	9.19	1.05		2						
6745.866	853.585	9.37	1.21		2	6742.798	1386.094	9.27	1.03		2						
6746.819	853.707	9.57	1.30		2	6745.884	1386.729	9.05	1.00		2						
6748.864	858.967	9.91	1.48		2	6748.831	1386.923	9.20	1.05		2						
6749.874	859.095	9.99	1.45		2	6748.884	1387.345	8.60	0.72		2						
6753.939	859.613	9.35	1.24		2	6749.899	1387.554	8.85	0.89		2						
6767.835	861.581	9.21	1.09		2	6751.890	1387.963	9.21	1.04	0.79	3						
6771.755	851.830	9.31	1.39		3	6757.839	1389.180	9.07	0.91		2						
6772.868	862.022	9.98	1.20		3	6758.809	1389.385	8.68	0.75		2						
6773.858	862.148	9.90	1.40		3	6759.852	1389.600	8.93	0.95		2						
6774.815	862.270	9.43	1.16	0.76	3	6766.756	1391.019	9.26	1.05	0.75	3						
6777.888	862.661	9.42	1.22	0.82	3	6767.827	1391.239	8.78	0.79		2						
						6768.757	1391.430	8.70	0.81	0.60	3						
						6769.895	1391.664	8.94	0.97	0.61	3						
						6772.907	1392.284	8.66	0.75	0.50	3						
						6773.880	1392.484	8.75	0.87	0.57	3						
						6784.852	1394.739	9.04	1.03	0.70	3						
						6785.946	1394.964	9.25	1.08	0.76	3						
						6786.845	1395.147	9.15	0.99	0.64	3						
						6787.824	1395.350	8.63	0.71	0.50	3						

TABLE 1 (continued)

[illegible]

TABLE 1 (continued)

CD CYG						GH CYG					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6810.683	398.954	9.41	1.55	1.32	3	5364.329	686.163	9.68	1.17		7
6813.568	399.129	8.65	1.03	0.80	3	6751.770	863.634	10.25	1.42		3
6813.703	399.131	8.57	1.04	0.77	2	6752.759	863.761	10.31	1.44		3
6814.730	399.191	8.44	1.03	0.78	3	6767.743	865.677	10.27	1.45		2
6815.689	399.248	8.50	1.07	0.81	3	6773.714	866.441	9.94	1.40	1.01	3
6816.570	399.305	8.59	1.16	0.90	3	6773.810	866.453	9.95	1.35	0.88	2
6817.674	399.364	8.69	1.27	1.02	3	6774.698	866.567	10.18	1.42	1.05	3
6833.784	400.307	8.57	1.19	0.91	2	6776.726	866.326	10.24	1.38		3
6848.653	401.178	8.35	1.01	0.78	2	6777.780	866.961	9.94	1.29	0.70	-3
6848.757	401.185	8.44	1.02	0.72	3	6778.741	867.084	9.54	1.13	0.71	3
6849.707	401.240	8.50	1.09	0.85	3	6781.889	867.487	10.02	1.43	1.03	2
7190.668	421.213	8.41	1.04	0.76	1	6785.705	867.975	9.94	1.25	0.84	3
7201.754	421.862	9.49	1.63	1.53	1	6786.703	868.102	9.58	1.15	0.82	3
7205.708	422.094	9.12	1.33	1.01	1	6787.694	868.229	9.72	1.26	0.86	3
7215.656	422.677	9.24	1.68	1.48	1	6790.873	868.636	10.17	1.46	0.98	2
7233.692	423.733	9.34	1.66	1.62	1	6791.754	868.749	10.32	1.42	1.01	3
7240.681	424.143	8.39	0.98	0.68	1	6792.700	868.870	10.20	1.36	0.81	3
7461.947	437.104	9.16	1.19	0.97	1	6793.696	868.997	9.77	1.20	0.80	3
7472.886	437.745	9.34	1.65	1.60	1	6793.823	869.013	9.65	1.16	0.62	2
7516.862	440.321	8.73	1.26	1.02	1	6794.748	869.131	9.60	1.14	0.80	2
DT CYG						6795.738	869.258	9.72	1.26	0.76	2
J.D.	CYCLES	V	B-V	U-B	RF	6796.770	869.390	9.80	1.30		2
2772.872	1109.442	5.59	0.47		8	6797.853	869.529	10.06	1.43		2
2789.880	1116.247	5.73	0.51		8	6806.676	870.657	10.26	1.44	1.09	3
2791.889	1117.051	5.90	0.59		8	6806.756	870.667	10.24	1.44	1.01	2
2792.825	1117.449	5.59	0.47		8	6807.681	870.786	10.35	1.40	0.92	3
3093.917	1237.854	5.90	0.63		8	6807.803	870.891	10.28	1.41	0.94	2
3094.920	1238.295	5.71	0.51		8	6808.672	870.913	10.09	1.30	0.90	3
3095.908	1239.690	5.76	0.55		8	6808.733	870.920	10.06	1.31	0.89	2
3096.903	1239.088	5.93	0.57		8	6809.652	871.038	9.61	1.12	0.79	3
3098.857	1239.885	5.92	0.64		8	6810.651	871.166	9.68	1.18	0.87	3
3136.754	1255.033	5.91	0.59		8	6810.684	871.170	9.67	1.19	0.93	2
3154.851	1262.274	5.73	0.50		8	6811.664	871.295	9.76	1.24	0.85	3
3179.689	1272.212	5.78	0.52		8	6811.759	871.307	9.75	1.25	0.88	2
7151.928	2853.524	5.72	0.54	0.29	1	6812.648	871.421	9.90	1.35	0.89	3
7142.878	2857.906	5.89	0.62	0.32	1	6815.681	871.809	10.31	1.44	1.00	2
7143.906	2858.317	5.70	0.52	0.26	1	6816.720	871.942	9.96	1.29	0.83	2
7144.869	2858.702	5.76	0.53	0.31	1	6817.647	872.061	9.58	1.09	0.77	3
7147.885	2859.909	5.59	0.63	0.31	1	6817.861	872.088	9.53	1.13	0.78	2
7160.748	2865.056	5.91	0.61	0.30	1	6818.691	872.194	9.72	1.21	0.85	2
7162.773	2865.866	5.78	0.59	0.28	1	6833.777	874.124	9.55	1.17	0.83	2
7178.825	2872.288	5.69	0.52	0.24	1	6845.644	875.642	10.19	1.43	1.05	2
7178.825	2872.288	5.59	0.51	0.24	1	6846.619	875.765	10.27	1.42	1.08	2
7183.782	2874.272	5.69	0.51	0.30	1	6846.637	875.769	10.33	1.47	1.12	3
7189.715	2876.645	5.70	0.52	0.32	1	6848.678	876.030	9.64	1.14	0.83	3
7191.746	2877.458	5.64	0.48	0.30	1	6852.731	876.548	10.00	1.43	0.97	2
7213.705	2886.244	5.77	0.52	0.26	1	6853.718	876.674	10.22	1.48	1.06	2
7214.690	2886.638	5.76	0.53	0.29	1	6856.596	877.043	9.60	1.11		2
7215.670	2887.030	5.90	0.63	0.31	1	IU CYG					
7220.623	2889.016	5.93	0.61	0.34	1	J.D.	CYCLES	V	B-V	U-B	RF
7221.674	2889.432	5.64	0.48	0.25	1	7191.653	229.742	13.76	1.18	0.78	1
7515.853	3007.136	5.86	0.56	0.36	1	7202.681	230.093	13.06	1.12	0.80	1
GH CYG						7472.862	258.724	13.34	0.96	0.73	1
J.D.	CYCLES	V	B-V	U-B	RF	7593.654	242.582	13.40	1.10		1
5363.323	686.035	9.50	1.10		-7	7601.598	242.836	13.10	0.89	0.62	1

TABLE 1 (continued)

IU CYG						MZ CYG					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7621.673	245.478	13.65	1.50	1.35	1	6808.762	321.047	11.32	1.01	0.96	2
7629.665	243.605	13.91	1.31	0.12	1	6810.748	321.141	11.40	1.15	1.28	2
7635.580	243.922	12.86	0.95	0.64	1	6811.780	321.189	11.39	1.17	1.06	2
MW CYG						383 CYG					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6751.845	1133.872	9.72	1.43		3	6812.745	321.235	11.51	1.23	1.18	2
6752.824	1134.036	9.86	1.50		3	6813.712	321.280	11.67	1.33	1.42	2
6773.781	1137.556	9.31	1.33	1.04	3	6814.770	321.330	11.81	1.36	1.48	2
6774.721	1137.714	9.56	1.44		3	6815.790	321.378	11.97	1.31	1.41	2
6777.806	1138.232	9.55	1.28	0.93	3	6816.753	321.424	12.31	1.36	1.30	2
6778.798	1138.399	9.16	1.21	0.82	3	6817.724	321.469	12.55	1.31	1.39	2
6781.899	1138.919	9.70	1.56	1.21	3	6818.721	321.517	12.55	1.41	1.03	2
6785.751	1139.566	9.38	1.35	1.03	3	6819.668	321.561	12.71	1.19	1.19	2
6787.736	1139.899	9.69	1.51	1.21	3	6820.695	321.610	12.63	1.11	1.28	2
6793.904	1140.935	9.79	1.55	1.21	2	6823.694	322.223	11.44	1.15	0.83	2
6795.780	1141.250	9.47	1.35	0.88	2	6834.773	322.273	11.53	1.08	0.81	2
6796.780	1141.419	9.18	1.23		2	6835.682	322.363	11.81	1.19	1.30	2
6797.875	1141.602	9.40	1.40		2	6845.702	322.789	11.09	0.59	0.41	2
6806.691	1143.083	9.87	1.57	1.16	3	6849.748	322.979	11.19	0.83	0.66	2
6806.774	1143.097	9.87	1.55	1.21	2	6852.712	323.119	11.25	1.07	0.86	2
6807.715	1143.255	9.49	1.31	0.96	3	6852.632	323.163	11.37	1.06		2
6807.813	1143.271	9.43	1.28	0.84	2	6856.642	323.305	11.60	1.20		2
6808.720	1143.423	9.20	1.20	0.86	3	6857.643	323.352	11.85	1.30		2
6808.755	1143.429	9.21	1.22	1.00	2	6858.720	323.403	12.00	1.22		2
6809.708	1143.589	9.41	1.36	0.99	2	7228.702	340.848	11.00	0.55	0.36	1
6809.708	1143.589	9.40	1.33	0.98	3	7515.876	354.389	10.91	1.17	1.16	1
6810.698	1143.756	9.53	1.45	1.13	2	386 CYG					
6810.710	1143.758	9.54	1.45	1.10	3	J.D.	CYCLES	V	B-V	U-B	RF
6811.772	1143.936	9.84	1.53	1.19	2	6741.777	1461.724	10.94	1.61		2
6812.672	1144.087	9.88	1.53	1.24	3	6744.866	1462.293	10.66	1.42		2
6812.728	1144.096	9.85	1.55	1.20	2	6745.826	1462.601	10.80	1.57		2
6813.675	1144.255	9.52	1.31	0.91	3	6746.777	1462.808	11.02	1.70		2
6816.677	1144.760	9.55	1.42	1.11	3	6753.876	1464.347	10.55	1.43		2
6819.709	1145.265	9.48	1.31	0.94	3	6755.901	1464.786	11.00	1.61		2
6834.723	1147.790	9.54	1.46	1.20	2	6757.779	1465.193	10.97	1.64		2
6841.698	1148.962	9.83	1.54	1.11	3	6757.949	1465.230	10.76	1.54		2
6844.724	1149.470	9.25	1.29	0.89	3	6758.784	1465.411	10.68	1.46		2
6845.680	1149.630	9.40	1.39	1.10	2	6759.777	1465.626	10.81	1.66		2
6846.717	1149.804	9.52	1.46	1.20	2	6760.841	1465.857	11.06	1.70		2
6849.713	1150.308	9.31	1.20	0.89	3	6761.818	1466.069	11.14	1.70		2
6852.642	1150.799	9.52	1.48	1.11	2	6767.761	1467.357	10.63	1.43		2
6853.627	1150.965	9.78	1.51	1.13	2	6790.922	1472.379	10.58	1.46	1.10	2
6856.635	1151.476	9.21	1.25		2	6793.865	1473.017	11.10	1.72	1.25	2
6857.633	1151.638	9.43	1.45		2	6794.801	1473.220	10.80	1.62	1.07	2
6858.712	1151.819	9.55	1.47		2	6834.731	1481.877	11.06	1.73	1.08	2
MZ CYG						6836.665	1482.297	10.66	1.53	1.16	2
J.D.	CYCLES	V	B-V	U-B	RF	6846.680	1484.468	10.64	1.54	1.17	2
6742.792	317.936	12.64	1.12		2	6853.721	1485.995	11.08	1.66		2
6781.929	319.782	11.10	0.65	0.47	2	7215.654	1564.467	10.71	1.52	1.03	1
6793.921	320.347	11.72	1.10	1.01	2	7222.710	1565.997	11.14	1.73	1.33	1
6796.790	320.482	11.47	1.12		2	7233.668	1568.373	10.59	1.50	1.01	1
6797.885	320.534	11.75	1.33		2	7239.661	1569.673	10.90	1.67	1.24	1
6806.787	320.954	11.24	0.88	0.69	2	386 CYG					
6807.859	321.004	11.20	0.98	0.70	2	J.D.	CYCLES	V	B-V	U-B	RF
						6735.928	1281.277	9.32	1.42		2

TABLE 1 (continued)

386 CYG						402 CYG					
CONT.			CONT.			CONT.			CONT.		
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6736.905	1281.463	9.51	1.50		2	7143.862	1636.661	10.01	1.16	0.82	1
6741.764	1282.387	9.36	1.44		2	7144.841	1636.885	10.10	1.13	0.83	1
6742.784	1282.581	9.60	1.62		2	7147.849	1637.575	9.93	1.14	0.78	1
6744.915	1282.986	9.97	1.74		2						
6745.871	1283.168	9.72	1.61		2	7160.703	1640.519	9.89	1.10	0.75	1
6746.824	1283.349	9.28	1.42		2	7183.724	1645.794	10.10	1.18	0.79	1
6747.878	1283.550	9.73	1.69		2	7201.765	1649.927	10.09	1.14	0.61	1
6749.892	1283.933	9.90	1.73		2	7202.738	1650.150	9.57	0.89	0.57	1
6755.935	1285.082	9.95	1.69		2	7203.729	1650.377	9.76	1.02	0.68	1
6757.819	1285.441	9.46	1.49		2	7205.718	1650.832	10.05	1.17	0.83	1
6759.846	1285.826	9.33	1.69		2	7241.678	1659.071	9.78	0.95	0.65	1
6760.805	1286.009	9.97	1.73		2	7462.939	1709.762	10.06	1.17	0.84	1
6767.797	1287.339	9.30	1.41		2	7472.894	1712.042	9.83	1.01	0.69	1
6774.865	1288.683	9.67	1.68		3						
						459 CYG					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6777.905	1289.262	9.35	1.40		3	6777.895	934.766	10.93	1.68		J
6784.832	1290.579	9.56	1.58	1.14	3	6784.789	935.717	11.01	1.69		3
6785.911	1290.764	9.78	1.68	1.29	3	6785.849	935.865	10.71	1.32	1.01	3
6786.820	1290.957	9.94	1.69	1.17	3	6785.783	935.992	10.29	1.32	0.95	3
6787.801	1291.144	9.80	1.59	1.28	3	6787.793	936.131	10.42	1.42	0.94	-3
6789.881	1291.539	9.48	1.55	1.08	-3	6789.830	936.412	10.73	1.56	1.25	3
6792.770	1292.089	9.92	1.70	1.16	3	5791.839	936.689	10.98	1.71		3
6793.764	1292.278	9.28	1.39	0.95	3	6793.756	936.954	10.11	1.33	0.88	3
6793.892	1292.302	9.30	1.43	0.98	2	6805.751	938.608	10.94	1.64		3
6805.760	1294.560	9.57	1.56	1.16	3	6808.775	939.025	10.30	1.30	0.93	3
6807.832	1294.954	9.89	1.71	1.35	2	6809.729	939.156	10.52	1.38	1.11	3
6809.738	1295.317	9.27	1.39	1.04	3	6810.740	939.296	10.49	1.51	1.01	3
6812.738	1295.887	9.88	1.70	1.40	3	6816.724	940.121	10.44	1.40	1.07	3
6815.742	1296.459	9.44	1.49	1.06	3	6817.723	940.259	10.56	1.49	1.21	3
6816.732	1296.647	9.66	1.61	1.24	3						
6818.689	1297.019	9.96	1.72	1.20	3	532 CYG					
6819.724	1297.216	9.56	1.49	1.00	3						
6841.738	1301.403	9.34	1.44	1.08	3	J.D.	CYCLES	V	B-V	U-B	RF
6843.691	1302.346	9.28	1.40	0.99	3	6751.882	2056.258	8.97	0.96	0.75	3
6853.683	1303.677	9.67	1.63	1.26	2	6766.742	2060.784	9.22	1.13	0.79	3
7150.735	1367.768	9.77	1.67	1.30	1	6768.743	2061.393	8.95	1.02		3
7214.740	1372.354	9.28	1.40	1.00	1	6769.883	2061.740	9.15	1.13		3
7215.677	1372.552	9.52	1.55	1.08	1	6772.879	2062.653	9.17	1.05	0.73	3
7220.641	1373.477	9.44	1.47	1.13	1	6773.869	2062.954	9.22	1.13	0.79	3
7222.696	1373.867	9.92	1.68	1.24	1	6777.917	2064.187	9.00	1.06	0.74	3
7472.928	1421.465	9.40	1.48	1.14	1	6785.919	2066.624	9.15	1.14	0.77	3
7515.867	1429.623	9.61	1.58	1.29	1	6786.829	2066.901	9.28	1.14	0.77	3
402 CYG						6787.808	2057.199	9.01	1.02	0.70	3
J.D.	CYCLES	V	B-V	U-B	RF	6791.719	2068.390	8.97	1.02	0.73	3
6751.808	1546.841	10.14	1.15	0.89	3	6793.290	2069.021	9.17	1.12	0.75	3
6752.812	1547.071	9.87	0.89	0.66	3	6806.745	2072.967	9.22	1.14	0.75	3
6765.720	1550.258	9.66	0.99	0.59	3	6807.739	2073.269	8.94	1.01	0.70	3
6768.725	1550.717	10.17	1.11	0.81	3	6811.741	2074.488	9.00	1.05	0.73	3
6769.872	1550.960	10.18	0.88		3	6812.767	2074.800	9.24	1.17	0.77	3
6770.806	1551.194	9.61	0.24	0.55	3	6813.739	2075.097	9.12	1.08	0.71	3
6771.740	1551.408	9.90	1.03	0.64	3	6814.759	2075.407	8.96	1.02	0.82	3
6772.858	1551.664	10.13	1.11	0.75	3	6816.760	2076.017	9.20	1.10	0.71	3
6773.746	1551.867	10.22	1.11	0.82	3	6817.731	2076.312	8.95	1.00	0.70	3
6774.780	1552.104	9.76	0.66	0.60	3	6818.722	2076.614	9.13	1.10	0.76	3
6775.750	1552.327	9.75	0.98	0.67	3	6819.731	2076.921	9.26	1.16	0.78	3
7142.822	1636.423	9.79	1.05	0.71	1	6845.682	2084.825	9.26	1.16	0.81	3
						6846.697	2085.134	9.07	1.06	0.69	3

TABLE 1 (continued)

532 CYG						TX DEL					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6847.763	2085.458	8.98	1.04	0.70	3	7521.845	1219.772	8.96	0.65	0.53	1
6648.765	2085.764	9.24	1.17	0.75	3	7542.737	1223.160	9.36	0.95	0.82	1
538 CYG						β DOR HD 37350					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6777.939	1107.727	10.41	1.34		3	4419.030	448.981	3.43	0.60		9
6784.841	1108.855	10.51	1.38		3	4420.080	449.088	3.58	0.73		9
6785.938	1109.035	10.68	1.37		3	4422.044	449.297	3.83	0.88		9
6786.835	1109.181	10.69	1.40	1.04	3	4433.031	450.404	3.97	1.01		9
6787.814	1109.341	10.33	1.26	0.84	3	4434.050	450.507	4.09	0.98		9
6789.533	1109.687	10.40	1.30		3	4438.008	450.909	3.60	0.57		9
6791.848	1110.000	10.65	1.40	1.09	3	4438.960	451.006	3.44	0.65		9
6793.797	1110.319	10.46	1.23	0.79	3	4442.963	451.413	4.01	1.01		9
6805.767	1112.275	10.54	1.33	0.79	3	4449.958	452.124	3.59	0.76		9
6806.751	1112.436	10.20	1.18	0.80	3	4451.009	452.230	3.73	0.84		9
6807.746	1112.599	10.30	1.25	0.92	3	4451.957	452.327	3.87	0.93		9
6809.762	1112.928	10.57	1.45	1.08	3	4462.974	453.446	4.04	0.96		9
6810.769	1113.093	10.70	1.48	1.18	3	4463.994	453.550	4.06	1.01		9
6812.774	1113.420	10.25	1.20	0.83	3	4700.158	477.544	4.08	0.96		9
6813.767	1113.583	10.31	1.24	0.91	3	4705.147	478.051	3.52	0.71		9
6818.729	1114.394	10.30	1.18	0.87	3	4820.003	489.721	3.82	0.80		9
6819.738	1114.559	10.29	1.21	0.88	3	4826.083	490.339	3.90	0.92		9
6841.748	1118.156	10.74	1.55		3	4828.917	490.626	3.97	0.89		9
6844.740	1118.645	10.35	1.29	0.92	3	4829.985	490.735	3.79	0.79		9
6845.688	1118.800	10.51	1.34	0.91	3	4834.016	491.145	3.62	0.77		9
6846.703	1118.965	10.59	1.45	1.03	3	4840.981	491.852	3.62	0.78		9
6849.728	1119.460	10.23	1.15	0.80	3	4844.952	492.256	3.74	0.88		9
TX DEL						4847.842	492.559	4.04	1.00		9
J.D.	CYCLES	V	B-V	U-B	RF	4855.936	493.372	3.95	0.94		9
5343.358	866.500	9.12	0.88		7	5167.256	525.002	3.55	0.67	0.36	5
5643.447	915.164	9.40	0.95		7	5169.261	525.205	3.69	0.84	0.62	5
5654.460	916.949	9.11	0.76		7	5176.252	525.916	3.60	0.72	0.49	5
5665.464	918.734	8.92	0.60		7	5177.248	526.018	3.45	0.67	0.42	5
5668.513	919.228	9.49	0.98		7	5187.237	527.032	3.46	0.59	0.47	5
5681.412	921.320	9.50	0.98		7	5195.233	527.045	3.62	0.73	0.49	5
5682.448	921.488	9.11	0.69		7	5195.260	527.848	3.63	0.73	0.49	5
5683.442	921.649	8.85	0.55		7	5201.219	528.453	4.02	1.01	0.30	5
5688.373	922.449	9.31	0.80		7	5208.216	529.164	3.62	0.81	0.59	5
5689.366	922.610	8.99	0.52		7	5209.215	529.265	3.76	0.89	0.68	5
7142.845	1158.312	9.49	0.98	0.86	1	5238.202	532.211	3.67	0.84	0.63	5
7147.871	1159.127	9.30	0.94	0.78	1	5239.194	532.311	3.81	0.93	0.71	5
7160.722	1161.211	9.41	0.96	0.82	1	5240.194	532.413	3.98	1.01	0.79	5
7162.764	1161.542	8.94	0.64	0.45	1	5242.193	532.616	3.59	0.91	0.68	5
7183.761	1164.947	9.07	0.78	0.59	1	5243.195	532.718	3.80	0.80	0.55	5
7198.826	1167.390	9.44	0.91	0.86	1	5244.196	532.820	3.66	0.73	0.49	5
7206.741	1168.673	8.86	0.38	0.45	1	5245.192	532.921	3.59	0.70	0.47	5
7226.680	1171.907	9.06	0.74	0.58	1	5246.193	533.022	3.45	0.67	0.44	5
7229.677	1172.393	8.46	0.88	0.87	1	5247.200	533.125	3.59	0.77	0.55	5
7233.635	1173.035	9.19	0.85	0.70	1	5250.196	534.039	3.48	0.69	0.46	5
7237.651	1173.686	8.87	0.56	0.44	1	5547.232	563.609	4.03	0.88		7
7239.623	1174.006	9.15	0.82	0.68	1	5548.249	563.712	3.82	0.81		7
7240.670	1174.175	9.36	0.94	0.82	1	5555.228	564.421	4.03	1.00		7
7472.918	1211.838	9.00	0.70	0.56	1	5568.229	565.742	3.77	0.76		7
7515.837	1214.798	8.97	0.63	0.57	1	5569.228	565.843	3.65	0.70		7
						5573.236	566.251	3.74	0.86		7
						5580.218	566.960	3.45	0.62		7

TABLE 1 (continued)

DOR HD 37350 CONT.						GEM HD 52973 CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
3608.204	569.803	3.54	0.71		7	4427.643	436.067	3.71	0.75	0.53	16
5612.185	570.209	3.66	0.81		7	4427.758	436.078	3.72	0.76	0.54	16
UY ERI						4428.827	436.181	3.83	0.86	0.62	16
						4439.742	437.258	3.95	0.90		16
J.D.	CYCLES	V	B-V	U-B	RF	4440.658	437.349	4.08	0.96		16
6817.951	3080.558	11.35	0.46	0.23	3	4441.619	437.443	4.15	0.98		16
6818.927	3080.999	11.49	0.50	0.12	3	4442.615	437.541	4.13	0.93		16
6819.987	3081.478	11.25	0.51	0.15	3	4443.622	437.641	3.98	0.84		16
6844.919	3092.743	11.47	0.55	0.13	3	7240.896	713.268	3.85	0.88	0.65	1
6845.903	3093.187	10.96	0.38	0.10	3	7273.999	716.519	4.12	0.98	0.78	1
6846.902	3093.639	11.42	0.57	0.07	3	W GEM					
6847.936	3094.106	11.13	0.43		3	J.D.	CYCLES	V	B-V	U-B	RF
6848.904	3094.543	11.32	0.53	0.19	3	4705.314	604.613	6.93	0.88		7
6849.924	3095.004	11.47	0.54	0.09	3	5166.297	652.750	6.57	0.80	0.52	5
7222.757	3263.462	11.27	0.47	0.12	1	5167.320	652.879	6.75	0.92	0.63	5
7668.701	3464.953	11.58	0.51	0.11	1	5169.300	653.129	7.04	1.07	0.76	5
GEM HD 52973						5176.299	654.013	6.79	0.94	0.63	5
J.D.	CYCLES	V	B-V	U-B	RF	5177.235	654.136	7.06	1.08	0.73	5
2841.971	279.698	3.81	0.71		8	5201.250	657.166	7.07	1.09	0.79	5
2848.955	280.586	4.08	0.97		8	5535.304	699.373	7.37	1.18		7
2860.958	281.768	3.91	0.81		8	5555.319	701.902	6.85	0.90		-7
2865.035	282.170	3.95	0.84		8	5558.289	703.540	7.17	0.98		7
2862.875	283.927	3.78	0.72		8	5573.281	704.171	7.11	1.10		7
2883.863	284.024	3.80	0.73		8	5580.255	705.052	6.90	0.97		7
2885.881	284.223	4.00	0.86		8	5595.219	706.943	6.72	0.84		-7
2887.670	284.419	4.22	1.03		8	7014.705	886.292	7.26	1.14	0.82	1
3217.017	316.835	3.85	0.73		8	7015.604	886.405	7.38	1.14	0.84	1
3233.930	318.501	4.16	1.02		8	7020.626	887.040	6.95	1.00	0.66	1
3238.951	318.996	3.81	0.70		8	7022.615	887.291	7.29	1.13	0.85	1
4401.696	433.511	4.15	0.96	0.74	16	7025.656	887.422	7.38	1.12	0.83	1
4402.704	433.611	4.02	0.86	0.62	16	7024.604	887.542	7.03	0.90	0.55	1
4403.838	433.722	3.89	0.77	0.53	16	7045.622	890.198	6.99	0.92	0.61	1
4404.686	433.806	3.79	0.72	0.52	16	7049.650	890.707	6.61	0.70	0.55	1
4407.773	434.110	3.75	0.79	0.57	16	7240.887	914.869	6.78	0.91	0.56	1
4409.801	434.310	4.03	0.93	0.75	16	7273.894	919.039	6.97	1.02	0.63	1
4410.650	434.393	4.11	0.98	0.79	16	7597.860	959.972	6.77	0.91	0.63	1
4410.773	434.405	4.12	0.98	0.80	16	7601.843	960.475	7.24	1.05	0.74	1
4411.809	434.507	4.16	0.95	0.75	16	7619.933	962.761	6.72	0.83	0.56	1
4412.667	434.592	4.07	0.87	0.65	16	7623.887	963.260	7.23	1.18	0.90	1
4412.773	434.602	4.04	0.86	0.64	16	7635.858	964.773	6.78	0.87	0.59	1
4413.633	434.627	3.93	0.81	0.55	16	7647.777	966.279	7.37	1.10	0.89	1
4415.663	434.887	3.73	0.70	0.50	16	7648.878	966.418	7.38	1.12	0.82	1
4415.779	434.898	3.72	0.69	0.50	16	7649.869	966.543	7.08	0.93	0.57	1
4416.778	434.997	3.67	0.69	0.46	16	7653.783	967.038	6.99	1.00	0.59	1
4416.778	434.997	3.68	0.70	0.48	16	7660.796	967.924	6.76	0.88	0.57	1
4418.662	435.182	3.82	0.85	0.61	16	7663.746	968.296	7.32	1.15	0.90	1
4419.609	435.276	3.98	0.92	0.71	16	RZ GEM					
4419.688	435.283	3.99	0.92	0.73	16	J.D.	CYCLES	V	B-V	U-B	RF
4420.585	435.372	4.10	0.97	0.78	16	6812.972	1232.085	10.27	1.25	0.72	2
4420.690	435.382	4.11	0.98	0.78	16	6813.948	1232.261	10.33	1.23	0.72	2
4421.567	435.468	4.16	0.97	0.78	16	6814.943	1232.443	9.70	0.93	0.55	2
4421.744	435.486	4.16	0.97	0.77	16	6815.932	1232.624	9.67	0.97	0.62	2
4423.747	435.683	3.95	0.81	0.55	16	6816.942	1232.806	9.97	1.07	0.68	2
4427.366	436.059	3.71	0.75	0.52	16						

TABLE 1 (continued)

RZ GEM						AD GEM					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6817.967	1232.988	10.19	1.19	0.64	2	6813.984	1798.820	9.94	0.84	0.49	2
6818.934	1233.163	10.33	1.26	0.67	2	6814.981	1799.083	10.16	0.86	0.48	2
6819.934	1233.344	10.32	1.19	0.62	2	6817.991	1799.878	10.06	0.83	0.43	2
6833.967	1235.881	10.09	1.17	0.70	2	6819.937	1800.397	9.52	0.55	0.31	2
6834.951	1236.059	10.22	1.22	0.73	2	6833.990	1804.101	10.15	0.83	0.51	2
6836.984	1236.427	9.78	0.99	0.64	2	6834.972	1804.361	9.54	0.53	0.32	2
6849.906	1238.764	9.91	1.09	0.68	2	6852.986	1809.116	10.14	0.84	0.50	2
6852.952	1239.315	10.31	1.19	0.78	2	6853.970	1809.376	9.53	0.51		2
6856.937	1240.035	10.25	1.19		2	6856.961	1810.165	10.12	0.79		2
6857.891	1240.208	10.38	1.25		2	6857.910	1810.416	9.54	0.55		2
6858.949	1240.399	9.98	1.07		2	6858.974	1810.697	9.88	0.77		2
7593.974	1373.324	10.39	1.21	0.74	1	7597.908	2005.768	9.93	0.80	0.46	1
7597.854	1374.026	10.23	1.22	0.80	1	7619.942	2011.585	9.75	0.71	0.40	1
7601.794	1374.738	9.88	1.09	0.69	1	7635.867	2015.788	10.00	0.84	0.50	1
7619.867	1378.007	10.19	1.23	0.79	1	7647.784	2018.934	10.04	0.82	0.47	1
7623.825	1378.722	9.82	1.06	0.46	1	7648.885	2019.225	9.91	0.71	0.39	1
7634.929	1380.731	9.87	1.09	0.68	1	7649.876	2019.487	9.68	0.60	0.35	1
7635.803	1380.889	10.16	1.22	0.76	1	7653.792	2020.520	9.69	0.61	0.38	1
7645.848	1382.705	9.83	1.06	0.68	1	7660.802	2022.371	9.49	0.52	0.31	1
7647.726	1383.045	10.23	1.20	0.78	1	7661.717	2022.612	9.79	0.72	0.40	1
7649.793	1383.419	9.82	0.98	0.61	1	7663.751	2023.150	10.11	0.79	0.46	1
7653.775	1384.139	10.32	1.23	0.79	1	BB GEM					
7660.695	1385.390	10.01	1.05	0.62	1	J.D.	CYCLES	V	B-V	U-B	RF
7661.661	1385.565	9.58	0.91	0.65	1	6846.004	2965.924	11.61	1.02	0.79	3
7663.701	1385.934	10.13	1.19	0.78	1	6847.005	2966.357	10.83	0.59	0.48	3
AA GEM						6849.007	2967.225	11.68	0.90		3
J.D.	CYCLES	V	B-V	U-B	RF	6850.008	2967.658	11.30	0.92	0.48	3
6812.987	602.794	9.79	1.26	0.91	2	AP HER					
6813.960	602.880	9.89	1.26	0.98	2	J.D.	CYCLES	V	B-V	U-B	RF
6814.966	602.969	10.03	1.35	0.83	2	5315.435	510.511	10.41	0.67		7
6816.972	603.146	9.88	1.12	0.76	2	5358.296	514.627	10.59	0.78		7
6817.974	603.235	9.79	1.08	0.67	2	5626.452	540.382	10.58	0.63		7
6818.945	603.321	9.72	1.08	0.51	2	5627.478	540.480	10.38	0.63		7
6819.942	603.409	9.47	0.94	0.54	2	5636.483	541.345	10.71	0.69		7
6833.974	604.651	9.58	1.13	0.79	2	5637.447	541.438	10.42	0.58		7
6834.959	604.738	9.66	1.21	0.87	2	5646.460	542.303	10.93	0.74		7
6852.966	606.331	9.70	1.05	0.69	2	5687.410	546.236	9.34	1.01		-7
6853.953	606.418	9.47	0.88		2	5688.281	546.320	10.69	0.72		7
6856.943	606.683	9.61	1.12		2	6781.829	651.347	10.69	0.90		2
6857.882	606.766	9.73	1.20		2	6790.830	652.212	10.65	0.77	0.46	2
6858.939	606.861	9.83	1.28		2	6792.791	652.400	11.00	0.96	0.59	2
7597.849	672.236	9.74	1.07	0.73	1	6793.798	652.497	11.07	1.00	0.64	2
7601.799	672.586	9.45	1.02	0.72	1	6794.732	652.587	11.13	1.05	0.54	2
7619.887	674.186	9.74	1.15	0.78	1	6795.758	652.685	11.18	0.83	0.55	2
7623.842	674.536	9.39	0.92	0.75	1	6802.750	653.358	10.96	0.89	0.61	2
7626.859	674.803	9.81	1.30	0.93	1	6806.747	653.741	11.07	0.87	0.55	2
7634.949	675.519	9.40	0.98	0.68	1	6807.794	653.841	10.92	0.72	0.42	2
7635.824	675.596	9.53	1.07	0.75	1	6808.726	653.931	10.59	0.63	0.50	2
7645.976	676.486	9.41	0.94	0.60	1	6809.691	654.023	10.45	0.62	0.42	2
7647.738	676.650	9.57	1.16	0.77	1	6810.678	654.118	10.31	0.68	0.50	2
7656.716	677.445	9.42	0.92	0.61	1	6811.744	654.221	10.73	0.78	0.50	2
7660.713	677.792	9.74	1.23	0.97	1	6812.721	654.314	10.83	0.89	0.61	2
7663.713	675.064	10.00	1.25	1.02	1	6815.237	654.536	11.08	1.01	0.53	2
						6817.820	654.804	11.05	0.81	0.44	2

TABLE 1 (continued)

AP HER						BL HER					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6818.680	654.887	10.74	0.65	0.45	2	4567.908	3493.692	9.95	0.31		9
6819.677	654.982	10.46	0.63	0.46	2	4570.828	3495.925	10.04	0.42		9
						4574.809	3498.470	10.06	0.39		9
FB HER						4899.796	3747.531	10.58	0.51	0.22	11
J.D.	CYCLES	V	B-V	U-B	RF	4899.803	3747.537	10.57	0.53	0.20	11
3087.889	411.324	10.32	1.18		7	4899.815	3747.546	10.55	0.52	0.18	11
3091.840	411.850	9.80	0.89		9	4899.823	3747.552	10.55	0.50	0.20	11
3093.816	412.113	10.03	0.94		9	4899.834	3747.560	10.48	0.52	0.11	11
3094.868	412.253	10.15	1.18		9	4899.842	3747.567	10.44	0.49	0.12	11
3095.785	412.376	10.34	1.24		9	4899.854	3747.576	10.41	0.45	0.16	11
						4899.862	3747.582	10.39	0.46	0.18	11
3096.764	412.506	10.43	1.22		9	4899.874	3747.591	10.39	0.46	0.18	11
3098.813	412.779	9.78	0.82		9	4899.881	3747.596	10.38	0.45	0.18	11
3116.767	415.170	9.99	1.07		9	4899.893	3747.605	10.34	0.43	0.20	11
3119.771	415.571	10.28	1.18		9	4899.900	3747.611	10.32	0.42	0.20	11
3122.757	415.968	9.94	0.99		9	4899.913	3747.620	10.26	0.41	0.17	11
						4900.760	3748.269	10.43	0.59	0.24	11
4574.885	609.400	10.42	1.20		9	4900.768	3748.275	10.44	0.57	0.28	11
5328.380	709.769	9.97	0.97		7	4900.780	3748.284	10.46	0.57	0.29	11
5359.246	713.821	9.80	0.92		7	4900.788	3748.290	10.42	0.55	0.34	11
5364.266	714.550	10.46	1.27		7	4900.801	3749.300	10.47	0.57	0.31	11
5365.284	714.685	10.20	1.09		7	4900.806	3748.306	10.49	0.57	0.29	11
						4900.848	3748.336	10.53	0.57	0.32	11
5629.527	749.884	9.82	0.90		7	4901.731	3749.012	10.07	0.44	0.26	11
5630.527	750.017	9.94	1.01		7	4901.738	3749.017	10.08	0.44	0.25	11
5636.476	750.809	9.85	0.92		7	4901.749	3749.025	10.10	0.43	0.25	11
7022.974	935.499	10.36	1.27	1.03	1	4901.756	3749.031	10.11	0.44	0.24	11
7048.951	938.959	9.84	0.97	0.66	1	4902.775	3749.810	9.95	0.32	0.27	11
						4902.783	3749.616	9.96	0.31	0.24	11
7050.938	939.223	10.07	1.14	0.84	1	4902.820	3749.844	10.00	0.35	0.21	11
7054.835	939.743	10.24	1.05	0.72	1	4902.828	3749.850	10.00	0.37	0.20	11
7200.730	959.177	9.96	1.07	0.81	1	4903.854	3750.635	10.15	0.37	0.19	11
7203.647	959.565	10.40	1.26	0.99	1	4903.860	3750.639	10.11	0.35	0.18	11
7458.914	993.568	10.43	1.30	1.12	1	4903.865	3750.644	10.07	0.34	0.18	11
						4903.875	3750.651	10.01	0.32	0.18	11
7469.816	995.020	9.95	1.01	0.75	1	4903.881	3750.656	9.97	0.32	0.18	11
7472.803	995.418	10.27	1.24	1.02	1	4903.904	3750.673	9.86	0.29	0.20	11
7521.747	1001.938	9.82	0.92	0.69	1	4903.909	3750.677	9.85	0.28	0.20	11
7533.705	1003.531	10.44	1.22	1.08	1	4903.916	3750.683	9.83	0.27	0.19	11
BL HER						4903.922	3750.687	9.82	0.28	0.18	11
J.D.	CYCLES	V	B-V	U-B	RF	4903.932	3750.695	9.81	0.28	0.19	11
3059.951	2340.355	10.51	0.60		9	4903.938	3750.699	9.80	0.27	0.20	11
3060.947	2341.117	10.34	0.48		9	4903.944	3750.704	9.80	0.27	0.20	11
3062.944	2342.844	10.22	0.38		9	4905.780	3752.118	10.29	0.54	0.23	11
3073.938	2351.053	10.16	0.41		9	4905.788	3752.114	10.30	0.54	0.22	11
3091.803	2364.717	9.86	0.25		9	4905.794	3752.119	10.31	0.53	0.23	11
						4905.869	3752.176	10.29	0.58	0.29	11
3092.809	2365.486	10.60	0.51		9	4905.875	3752.181	10.32	0.56	0.27	11
3093.764	2366.216	10.46	0.56		9	4907.801	3753.654	9.96	0.33	0.20	11
3094.767	2366.984	10.06	0.39		9	4907.807	3753.659	9.93	0.21	0.31	11
3095.764	2367.746	9.79	0.26		9	4907.814	3753.667	9.89	0.20	0.22	11
3098.792	2370.062	10.24	0.42		9	4907.824	3753.672	9.86	0.28	0.20	11
						4907.830	3753.676	9.84	0.28	0.19	11
3114.757	2383.802	9.91	0.26		9	4907.841	3753.685	9.82	0.28	0.19	11
3123.728	2389.134	10.42	0.48		9	4907.848	3753.690	9.81	0.24	0.22	11
4193.934	3207.464	10.20	0.38		9	4907.855	3753.695	9.80	0.24	0.21	11
4195.965	3209.217	10.18	0.59		9	4907.865	3753.703	9.79	0.26	0.22	11
4213.910	3222.942	10.17	0.38		9						
4251.812	3251.931	10.12	0.56		9						
4549.971	3479.973	10.07	0.40		9						

TABLE 1 (continued)

BL MER						V LAC					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4907.872	3753.708	9.79	0.27	0.19	11	6741.787	1352.811	9.00	0.99		2
4907.878	3753.713	9.79	0.26	0.22	11	6742.831	1353.020	9.24	1.10		2
4907.889	3753.721	9.80	0.26	0.22	11						
4907.895	3753.725	9.80	0.27	0.20	11	6745.891	1353.634	8.70	0.84		2
4907.901	3753.730	9.80	0.27	0.21	11	6746.841	1353.825	9.01	1.00		2
						6748.891	1354.236	9.35	1.13		2
5269.891	4030.524	10.56	0.55	0.21	11	6749.916	1354.442	8.47	0.67		2
5270.770	4031.265	10.42	0.56	0.31	11	6751.935	1354.847	9.04	1.00	0.69	3
5276.719	4035.815	9.96	0.33	0.24	11						
5276.723	4035.821	9.98	0.32	0.24	11	6755.942	1355.651	8.72	0.86		2
5276.740	4035.831	9.97	0.33	0.24	11	6758.851	1356.235	9.41	1.12		2
						6759.875	1356.440	8.49	0.72		2
5276.748	4035.837	9.99	0.34	0.22	11	6760.902	1356.647	8.74	0.84		2
5276.755	4035.842	9.99	0.37	0.22	11	6766.823	1357.835	8.99	1.03	0.71	3
5276.786	4038.866	10.01	0.38	0.23	11						
5276.793	4035.872	10.01	0.38	0.23	11	6767.895	1358.050	9.26	1.10		2
5276.801	4035.877	10.01	0.39	0.23	11	6768.789	1358.279	9.42	1.13		3
						6769.915	1358.455	8.43	0.65	0.55	3
5276.814	4035.888	10.00	0.39	0.23	11	6772.928	1359.060	9.22	1.11	0.77	3
5276.822	4035.894	10.02	0.38	0.24	11	6785.975	1361.678	8.76	0.91	0.58	3
5287.683	4044.200	10.38	0.56	0.24	11						
5287.693	4044.208	10.37	0.59	0.25	11	6792.803	1363.048	9.22	1.12	0.70	3
5287.720	4044.229	10.38	0.59	0.29	11	6793.939	1363.276	9.35	1.11	0.74	2
						6805.804	1365.657	8.74	0.88	0.56	3
5287.724	4044.232	10.39	0.57	0.30	11	6806.827	1365.862	9.03	1.03	0.70	2
5287.737	4044.242	10.41	0.53	0.31	11	6807.785	1366.054	9.23	1.11	0.74	3
5287.745	4044.248	10.38	0.57	0.30	11						
5287.768	4044.266	10.42	0.61	0.24	11	6808.791	1366.256	9.37	1.11	0.76	3
5287.775	4044.271	10.44	0.60	0.25	11	6809.737	1366.456	8.42	0.70	0.55	3
						6811.786	1366.857	9.02	1.03	0.72	3
5287.868	4044.342	10.53	0.59	0.28	11	6814.798	1367.461	8.44	0.70	0.54	3
5287.875	4044.347	10.53	0.59	0.30	11	6814.816	1367.465	8.44	0.68	0.53	2
5287.888	4044.358	10.55	0.59	0.36	11						
5287.895	4044.363	10.54	0.60	0.31	11	6825.661	1369.641	8.72	0.84		4
6025.789	4608.729	9.82	0.29	0.25	11	6825.850	1369.679	8.77	0.87		4
						6826.347	1369.879	9.05	1.05		4
6025.800	4603.738	9.60	0.32	0.23	11	6827.641	1370.038	9.19	1.11		4
6025.812	4608.757	9.85	0.29	0.26	11	6827.854	1370.081	9.24	1.12		4
6025.826	4608.758	9.91	0.28	0.24	11						
6025.838	4608.767	9.90	0.32	0.24	11	6828.832	1370.277	9.34	1.10		4
6025.852	4608.777	9.91	0.33	0.26	11	6829.790	1370.470	8.39	0.64		4
						6830.797	1370.672	8.74	0.87		4
6025.867	4608.789	9.90	0.35	0.22	11	6831.738	1370.871	9.06	1.02		4
6041.663	4620.871	10.00	0.39	0.27	11	6832.735	1371.061	9.23	1.11		4
6041.691	4620.891	10.01	0.41	0.23	11						
6041.698	4620.897	10.03	0.39	0.23	11	6833.760	1371.266	9.34	1.10		4
6041.719	4620.913	10.02	0.41	0.29	11	6837.620	1372.041	9.22	1.10		4
						6843.685	1373.258	9.35	1.11		4
6066.665	4639.993	10.02	0.45	0.20	11	6844.774	1373.476	8.44	0.69	0.51	3
6066.681	4640.005	10.06	0.43	0.30	11	6845.732	1373.669	8.77	0.87	0.58	3
6066.696	4640.017	10.09	0.43	0.27	11						
6066.713	4640.029	10.12	0.43	0.25	11	6846.670	1373.857	9.04	1.02		4
6066.733	4640.045	10.16	0.43	0.19	11	6846.688	1373.960	9.03	1.02	0.74	2
						6846.691	1373.861	9.05	1.03		4
7056.871	5397.336	10.16	0.30	0.10	1	6847.669	1374.057	9.24	1.11		4
7453.933	5701.023	10.11	0.45	0.25	1	6848.655	1374.255	9.36	1.11		4
7455.829	5702.472	10.60	0.56	0.25	1						
7458.802	5704.747	9.91	0.31	0.28	1	6848.777	1374.280	9.36	1.10	0.72	3
7469.783	5713.145	10.33	0.56	0.28	1	6849.755	1374.476	8.45	0.68	0.48	2
7472.785	5715.442	10.60	0.58	0.32	1	6853.594	1375.246	9.42	1.10	0.71	2
						7184.813	1441.709	8.83	0.92	0.59	1
						7190.751	1442.900	9.06	1.05	0.69	1
						7191.850	1443.121	9.30	1.12	0.77	1
						7198.891	1444.534	8.50	0.74	0.52	1
6735.941	1351.638	8.72	0.85		2	7201.829	1445.123	9.31	1.13	0.75	1
6736.940	1351.838	9.04	1.00		2	7202.853	1445.329	9.20	1.01	0.58	1
6740.845	1352.622	8.71	0.82		2	7203.787	1445.516	8.50	0.72	0.50	1

TABLE 1 (continued)

V LAC						X LAC					
CONT.						CONT.					
J.O.	CYCLES	V	B-V	U-B	RF	J.O.	CYCLES	V	B-V	U-B	RF
7205.811	1445.922	9.09	1.06	0.69	1	6832.735	1254.999	8.49	1.02		4
7213.740	1447.513	8.47	0.69	0.46	1	6833.764	1255.187	8.53	1.02		4
7214.757	1447.717	8.84	0.93	0.55	1	6837.622	1255.895	8.40	0.97		4
7215.722	1447.911	9.08	1.07	0.68	1	6843.688	1257.010	8.50	1.02		4
7220.683	1448.907	9.11	1.05	0.71	1	6844.780	1257.210	8.60	1.04	0.67	3
7221.703	1449.111	9.29	1.13	0.79	1	6845.738	1257.386	8.42	0.92	0.60	3
7515.947	1508.154	9.33	1.13	0.83	1	6846.626	1257.550	8.23	0.81	0.60	2
7517.909	1508.548	8.57	0.74	0.54	1	6846.672	1257.558	8.20	0.82		4
						6846.693	1257.562	8.20	0.83		4
						6846.747	1257.571	8.22	0.85	0.57	3
						6847.671	1257.741	8.28	0.90		4
						6848.657	1257.922	8.42	1.00		4
						6852.624	1258.651	8.27	0.67	0.58	2
						7184.806	1319.664	8.23	0.87	0.57	1
						7190.744	1320.755	8.30	0.92	0.60	1
						7191.841	1320.956	8.47	1.00	0.68	1
						7198.903	1322.253	8.57	1.01	0.68	1
						7201.818	1322.789	8.34	0.94	0.61	1
						7202.841	1322.977	8.51	1.03	0.64	1
						7203.797	1323.152	8.60	1.03	0.67	1
						7205.818	1323.524	8.18	0.84	0.53	1
						7213.744	1324.979	8.48	1.02	0.67	1
						7214.766	1325.167	8.60	1.03	0.64	1
						7215.726	1325.344	8.49	0.97	0.58	1
						7220.690	1326.255	8.63	1.02	0.66	1
						7221.711	1326.443	8.30	0.87	0.55	1
						7515.954	1380.488	8.26	0.83	0.59	1
						7517.918	1380.848	8.43	0.94	0.65	1
X LAC						Y LAC					
J.O.	CYCLES	V	B-V	U-B	RF	J.O.	CYCLES	V	B-V	U-B	RF
6735.943	1237.220	8.62	1.03		2	3093.934	715.561	9.49	0.93		8
6736.942	1237.403	8.41	0.91		2	3094.934	715.792	8.83	0.60		8
6740.841	1238.119	8.60	1.04		2	3095.920	716.020	9.12	0.78		8
6741.790	1238.294	8.58	1.01		2	3096.917	716.251	9.39	0.88		8
6742.827	1238.484	8.26	0.84		2	3098.908	716.711	9.04	0.67		8
6745.895	1239.048	8.59	1.05		2	3102.941	717.644	9.31	0.80		8
6746.845	1239.222	8.62	1.00		2	3103.944	717.876	8.86	0.68		8
6748.897	1239.594	8.22	0.86		2	3122.920	722.265	9.40	0.90		8
6749.923	1239.787	8.32	0.92		2	3125.872	722.948	9.06	0.72		8
6751.943	1240.158	8.60	1.02	0.74	3	3126.358	723.176	9.35	0.84		8
6755.948	1240.894	8.44	0.99		2	3151.799	728.944	9.04	0.71		8
6757.845	1241.242	8.63	1.02		2	3152.872	729.192	9.33	0.86		8
6759.881	1241.616	8.25	0.84		2	3153.913	729.433	9.50	0.92		8
6766.836	1242.894	8.44	0.99	0.67	3	3154.868	729.654	9.20	0.75		8
6767.889	1243.087	8.58	1.03		2	3158.767	730.556	9.48	0.92		8
6768.801	1243.255	8.60	1.03	0.75	3	3159.788	730.792	8.83	0.60		8
6769.929	1243.462	8.25	0.86	0.62	3	6825.634	1578.624	9.29	0.77		4
6772.937	1244.014	8.52	1.02	0.74	3	6825.789	1578.660	9.13	0.71		4
6774.886	1244.372	8.47	0.93	0.60	3	6825.817	1578.666	9.10	0.70		4
6785.885	1246.576	8.23	0.84	0.55	3	6826.831	1578.901	8.87	0.65		4
6787.876	1246.758	8.31	0.90	0.65	3	6827.612	1579.081	9.08	0.79		4
6789.979	1247.145	8.59	1.06	0.72	2	6827.832	1579.132	9.16	0.79		4
6792.810	1247.665	8.22	0.88	0.58	3	6828.791	1579.354	9.34	0.88		4
6793.811	1247.848	8.38	0.96	0.65	3	6829.767	1579.580	9.36	0.84		4
6793.945	1247.873	8.43	0.97	0.66	2	6830.613	1579.775	8.76	0.56		4
6797.845	1248.589	8.22	0.83	0.57	2						
6805.810	1250.052	8.56	1.02	0.73	3						
6806.833	1250.240	8.58	1.02	0.71	2						
6807.793	1250.417	8.36	0.90	0.62	3						
6810.791	1250.967	8.49	1.02	0.71	3						
6811.793	1251.151	8.57	1.05	0.72	2						
6817.790	1251.334	8.51	1.00	0.65	3						
6813.784	1251.517	8.21	0.85	0.59	3						
6814.819	1251.707	8.27	0.90	0.63	2						
6816.782	1252.068	8.56	1.04	0.72	3						
6817.744	1252.244	8.59	1.04	0.67	3						
6825.664	1253.699	8.24	0.88		4						
6825.853	1253.734	8.26	0.87		4						
6826.850	1253.917	8.41	1.01		4						
6827.643	1254.063	8.51	1.06		4						
6827.858	1254.102	8.53	1.03		4						
6828.829	1254.280	8.54	1.01		4						
6829.793	1254.457	8.22	0.85		4						
6830.800	1254.642	8.19	0.83		4						
6831.751	1254.824	8.34	0.94		4						

TABLE 1 (continued)

Y LAC		CONT.				Z LAC		CONT.			
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6831.756	1580.040	9.06	0.72		4	6825.645	627.021	8.75	1.27		4
6832.703	1580.259	9.28	0.88		4						
6833.738	1580.498	9.41	0.87		4	6825.827	627.038	8.68	1.23		4
6836.593	1581.158	9.18	0.82		4	6826.835	627.130	8.49	1.15		4
6837.590	1581.389	9.38	0.87		4	6827.628	627.203	8.35	1.07		4
						6827.841	627.223	8.35	1.06		4
6843.653	1582.791	8.82	0.54		4	6827.802	627.311	7.99	0.91		4
6846.546	1583.483	9.44	0.87		4						
6847.645	1583.714	8.88	0.61		4	6829.781	627.401	8.07	1.02		4
6848.628	1583.942	8.93	0.68		4	6830.782	627.493	8.22	1.13		4
7143.926	1652.238	9.30	0.89	0.51	1	6831.775	627.584	8.36	1.19		4
						6832.727	627.672	8.50	1.30		4
7144.887	1652.460	9.46	0.88	0.56	1	6833.752	627.766	8.66	1.38		4
7147.840	1653.143	9.20	0.83	0.49	1						
7160.764	1656.132	9.20	0.82	0.45	1	6837.608	628.120	8.51	1.12		4
7162.784	1656.599	9.29	0.81	0.44	1	6843.673	628.677	8.51	1.28		4
7178.837	1660.312	9.29	0.87	0.52	1	6846.661	628.952	8.84	1.36		4
						6847.661	629.044	8.68	1.24		4
7183.799	1661.440	9.44	0.91	0.53	1	6848.645	629.134	8.48	1.12		4
7191.798	1663.310	9.36	0.88	0.53	1						
7198.842	1664.939	9.01	0.69	0.43	1	7134.897	655.430	8.12	1.08	0.69	1
7205.780	1666.543	9.43	0.87	0.50	1	7142.951	656.170	8.39	1.10	0.73	1
7215.705	1668.839	8.82	0.61	0.37	1	7147.927	656.627	8.42	1.24	0.99	1
						7156.923	657.453	8.19	1.09	0.71	1
7515.908	1738.269	9.34	0.87	0.56	1	7159.873	657.724	8.53	1.34	1.05	1
7517.880	1738.725	8.87	0.61	0.38	1						
7521.935	1739.663	9.18	0.74	0.41	1	7162.804	657.993	8.72	1.31	1.02	1
7523.838	1740.103	9.19	0.79	0.48	1	7178.873	659.470	8.14	1.08	0.74	1
7592.737	1756.038	9.06	0.76	0.48	1	7183.853	659.927	8.86	1.39	1.12	1
						7190.769	660.562	8.30	1.18	0.87	1
Z LAC						7191.814	660.658	8.48	1.27	1.00	1
J.D.	CYCLES	V	B-V	U-B	RF	7198.858 <td>661.505</td> <td>7.98</td> <td>0.90</td> <td>0.61</td> <td>1</td>	661.505	7.98	0.90	0.61	1
2771.930	254.637	8.48	1.26		8	7201.809	661.571	8.33	1.19	0.88	1
2772.958	254.731	8.68	1.37		8	7202.801	661.668	8.48	1.29	0.99	1
2773.823	254.810	8.77	1.40		8	7203.776	661.757	8.66	1.36	1.09	1
2774.972	254.916	8.88	1.46		8	7205.802	661.943	8.80	1.36	1.08	1
2776.965	255.099	8.60	1.16		8						
						7213.734	662.672	8.48	1.29	1.01	1
2777.958	255.190	8.44	1.08		8	7214.749	662.765	8.65	1.36	1.05	1
2778.948	255.281	8.21	1.03		8	7215.712	662.854	8.79	1.41	1.15	1
2779.976	255.370	7.92	0.91		8	7220.669	663.309	8.01	0.88	0.62	1
2788.917	256.197	8.42	1.12		8	7221.686	663.402	8.10	1.01	0.68	1
2790.903	256.379	7.91	0.91		8						
						7517.894	690.613	8.42	1.22	0.96	1
2791.951	256.476	8.21	1.14		8						
2792.930	256.566	8.32	1.20		8	RR LAC					
3096.927	284.675	8.63	1.31		8	J.D.	CYCLES	V	B-V	U-B	RF
3122.906	286.870	8.86	1.46		8	2771.944	432.023	9.28	1.12		8
3123.878	286.967	8.93	1.39		8	2772.977	432.184	8.87	0.90		8
						2773.846	432.320	8.49	0.70		8
3125.878	287.151	8.55	1.11		8	2774.983	432.497	8.71	0.89		8
3126.865	287.242	8.45	1.07		8	2777.892	432.949	9.30	1.14		8
3131.385	287.703	8.66	1.35		8						
3132.899	287.796	8.75	1.40		8	2778.986	433.121	9.11	1.02		8
3151.826	289.535	8.23	1.15		8	2779.979	433.276	8.46	0.70		8
						2788.927	434.670	8.96	1.01		8
3152.878	289.631	8.40	1.26		8	2790.906	434.979	9.26	1.15		8
3153.941	289.729	8.68	1.35		8	2791.955	435.142	9.05	0.99		8
3154.896	289.817	8.76	1.41		8						
3158.799	290.175	8.48	1.08		8	3098.930	482.986	9.29	1.14		8
3159.816	290.269	8.27	1.03		8	3122.910	486.723	8.97	1.04		8
						3123.882	486.875	9.20	1.15		8
3178.781	292.011	8.82	1.30		8	3125.882	487.187	8.93	0.88		8
3179.750	292.100	8.57	1.16		8	3126.868	487.340	8.47	0.73		8
3180.729	292.190	8.47	1.09		8						
3238.628	297.509	8.21	1.15		8						

TABLE 1 (continued)

RR LAC						BG LAC					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
3131.892	488.123	9.19	1.04		8	3126.651	586.441	9.08	1.10		8
3132.906	488.281	8.51	0.70		8	3151.795	591.120	8.83	0.97		8
3151.830	491.231	8.57	0.81		8	3152.865	591.320	8.97	1.08		8
3152.882	491.395	8.47	0.76		8	3154.875	591.697	8.90	0.95		8
3153.944	491.560	8.80	0.92		8	3158.774	592.429	9.07	1.09		8
3154.903	491.710	8.95	1.02		8	3159.792	592.619	9.08	1.07		8
3158.806	492.318	8.47	0.77		8	3179.722	596.357	8.99	1.09		8
3159.817	492.476	8.63	0.87		8	3180.708	596.542	9.13	1.15		8
6825.652	1063.817	9.08	1.06		4	6825.598	1200.142	8.87	0.99		4
6825.839	1063.846	9.10	1.09		4	6825.786	1200.177	8.89	1.02		4
6826.838	1064.002	9.22	1.12		4	6827.608	1280.519	9.11	1.14		4
6827.631	1064.125	9.05	0.99		4	6827.828	1280.560	9.17	1.12		4
6827.844	1064.159	8.94	0.96		4	6828.786	1280.740	8.94	0.97		4
6829.784	1064.461	8.59	0.84		4	6829.764	1280.923	8.59	0.84		4
6830.786	1064.617	8.82	0.96		4	6830.611	1281.082	8.72	0.97		4
6831.778	1064.772	8.99	1.04		4	6843.645	1283.527	9.14	1.09		4
6832.759	1064.925	9.18	1.10		4	6846.638	1284.088	8.40	0.97		4
6833.756	1065.080	9.16	1.07		4	6847.637	1284.275	8.99	1.06		4
6837.604	1065.680	8.89	0.98		4	7142.385	1339.649	9.09	1.06	0.70	1
6843.678	1066.527	8.84	0.96		4	7143.914	1339.842	8.59	0.83	0.50	1
6846.664	1067.092	9.16	1.05		4	7144.878	1340.023	8.70	0.91	0.60	1
6847.663	1067.248	8.59	0.75		4	7147.895	1340.589	9.17	1.11	0.78	1
6848.647	1067.401	8.53	0.77		4	7178.849	1346.394	9.00	1.10	0.77	1
7142.942	1113.269	8.48	0.74	0.47	1	7183.823	1347.327	8.99	1.08	0.77	1
7147.936	1114.047	9.23	1.11	0.75	1	7205.768	1351.443	9.08	1.12	0.76	1
7155.808	1115.274	8.49	0.72	0.44	1	7215.694	1353.304	9.01	1.11	0.72	1
7159.889	1115.910	9.17	1.13	0.79	1	7228.719	1355.747	8.79	0.91	0.53	1
7160.800	1116.052	9.22	1.10	0.75	1	7233.738	1356.689	8.98	1.01	0.61	1
7162.813	1116.366	8.43	0.77	0.46	1	7237.680	1357.428	9.10	1.10	0.78	1
7178.886	1118.871	9.08	1.10	0.73	1	7240.704	1357.995	8.70	0.91	0.59	1
7183.865	1119.647	8.89	0.99	0.62	1	7241.731	1358.187	8.90	1.03	0.73	1
7190.776	1120.724	8.94	1.02	0.67	1	7251.666	1360.051	8.75	0.92		1
7191.826	1120.887	9.18	1.10	0.79	1	7267.601	1363.039	8.72	0.94	0.61	1
7198.868	1121.985	9.20	1.12	0.81	1	7273.576	1364.160	8.84	1.02	0.68	1
7202.816	1122.600	8.83	0.97	0.61	1	7472.949	1401.552	9.18	1.12	0.77	1
7203.765	1122.748	8.98	1.04	0.67	1	7515.900	1409.608	9.16	1.06	0.82	1
7205.793	1123.064	9.17	1.10	0.71	1	7521.912	1410.736	8.91	0.93	0.60	1
7213.730	1124.301	8.44	0.73	0.44	1	7523.823	1411.094	8.81	0.97	0.67	1
7214.722	1124.456	8.64	0.84	0.51	1						
7215.717	1124.611	8.80	0.99	0.61	1						
7220.676	1125.384	8.52	0.76	0.53	1						
7221.695	1125.543	8.74	0.91	0.59	1						
7515.929	1171.401	8.54	0.78		1						
7517.941	1171.714	8.93	1.01	0.69	1						
BG LAC						DF LAC					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
3093.941	580.269	8.98	1.08		8	6830.618	1524.947	11.92	1.25		4
3094.927	580.454	9.11	1.13		8	6830.777	1524.982	12.04	1.27		4
3095.913	580.639	9.06	1.06		8	6831.714	1525.192	12.20	1.33		4
3096.910	580.826	8.58	0.80		8	6831.761	1525.202	12.15	1.29		4
3098.906	581.200	8.91	1.05		8	6832.708	1525.413	11.89	1.19		4
3102.934	581.956	8.64	0.87		8	6833.628	1525.619	11.58	1.05		4
3103.938	582.144	8.81	1.03		8	6834.597	1526.282	12.13	1.30		4
3122.872	585.695	8.96	0.98		8	6837.564	1526.504	11.58	1.01		4
3123.868	585.882	8.51	0.82		8	6837.842	1526.566	11.56	1.04		4
3125.861	586.256	8.97	1.08		8	6843.640	1527.859	11.47	1.20		4
						6846.650	1528.524	11.55	1.00		4
						6847.648	1528.749	11.75	1.15		4
						6848.631	1528.948	11.95	1.29		4
						6867.596	1533.202	12.16	1.29		4
						6869.580	1533.645	11.65	1.05		4

TABLE 1 (continued)

DF		LAC		CONT.		CC		LYR		CONT.	
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6876.611	1535.215	12.19	1.31		4	6786.676	282.624	11.80	0.39	0.26	3
6879.584	1535.879	11.89	1.21		4	6787.674	282.666	11.76	0.32	0.31	-3
6880.584	1536.102	12.08	1.30		4						
6940.600	1549.501	11.59	1.04		4	6789.749	282.752	11.92	0.46	0.23	3
6942.556	1549.937	11.98	1.27		4	6790.676	282.791	11.86	0.45	0.20	3
						6791.791	282.837	11.83	0.59	0.25	-3
6953.564	1552.395	11.97	1.17		4	6792.681	282.874	11.87	0.58	0.29	3
6954.558	1552.617	11.62	1.06		4	6793.677	282.916	12.03	0.65	0.08	3
6955.563	1552.841	11.90	1.23		4						
RX LIB						6805.683	283.415	12.45	0.70	0.19	3
						6806.657	283.456	12.42	0.65	0.30	3
						6807.663	283.498	12.32	0.60	0.07	3
J.D.	CYCLES	V	B-V	U-B	RF	6817.664	283.914	11.94	0.63	0.24	3
4562.374	182.992	12.09	1.34		7	6818.663	283.956	12.00	0.60	0.16	3
4929.444	197.716	11.70	0.87		7						
4930.403	197.754	11.69	0.87		7	6819.657	283.997	12.01	0.63	0.32	3
4931.309	197.790	11.65	0.95		7	6845.619	285.079	12.11	0.70	0.42	-3
4932.313	197.831	11.68	0.95		7	6846.620	285.120	12.14	0.66	0.32	-3
						6848.654	285.205	12.38	0.61		3
						6849.635	285.246	12.41	0.82	0.34	-3
5251.503	210.633	11.83	0.72		7	CN LYR					
5302.267	212.669	11.86	0.82		7	J.D.	CYCLES	V	B-V	U-B	RF
5555.601	222.830	11.75	1.01		7	5310.393	2273.324	11.42	0.53		-7
5573.610	223.553	12.10	0.80		7	5315.365	2275.452	11.19	0.43		7
5608.440	224.950	11.90	1.07		7	5365.253	2296.809	11.41	0.55		7
5609.449	224.990	11.95	1.17		7	6744.776	2887.368	11.67	0.64		2
5611.524	225.073	12.17	1.24		7	6745.798	2887.805	11.29	0.49		2
5612.386	225.108	12.34	1.26		7						
5622.352	225.508	12.44	0.91	-7		6746.699	2888.191	11.49	0.60		2
5623.389	225.549	12.30	0.79	-7		6746.903	2888.279	11.68	0.67		2
5624.278	225.585	12.09	0.77	-7		6747.756	2888.644	11.46	0.45		2
5626.338	225.667	11.85	0.82	7		6748.760	2889.073	11.52	0.47		2
5627.273	225.705	11.78	0.83	7		6749.744	2889.495	11.65	0.73		2
5628.355	225.748	11.77	0.84	7							
5629.449	225.792	11	0.96	7		6751.736	2890.347	11.42	0.82		3
5630.350	225.828	11	0.96	-7		6752.740	2890.777	11.18	0.45		3
5631.343	225.868	11	0.96	7		6753.826	2891.242	11.56	0.64		2
5634.236	225.984	11	1.04	7		6755.854	2892.110	11.75	0.55		2
5637.316	226.109	12.13	1.09	7		6757.723	2892.910	11.32	0.39		2
5638.335	226.149	12.34	1.16	-7							
5639.243	226.185	12.34	1.17	-7		6758.740	2893.346	11.55	0.64		2
5640.281	226.227	12.40	0.89	-7		6759.766	2893.785	11.08	0.48		2
5641.278	226.267	12.54	1.18	-7		6760.815	2894.234	11.55	0.62		2
5642.500	226.316	12.49	1.15	-7		6761.766	2894.641	11.23	0.48		2
5657.225	226.906	11.84	1.09	7		6765.774	2896.357	11.12	0.67		2
5660.293	227.029	12.05	1.27	7		3774.685	2900.172	11.52	0.67		3
7100.733	284.804	11.71	0.90	0.64	1	6775.719	2900.614	11.56	0.64	0.19	3
7102.756	284.885	11.81	1.00	0.79	1	6776.697	2901.033	11.39	0.64	0.15	3
7131.685	286.046	12.02	1.05	0.99	1	6777.741	2901.480	11.65	0.63		3
						6778.715	2901.897	11.23	0.54	0.21	3
CC LYR						6786.684	2905.308	11.55	0.72	0.30	3
J.D.	CYCLES	V	B-V	U-B	RF	6787.687	2905.738	11.30	0.51	0.21	3
6751.725	281.168	12.21	0.72		3	6791.845	2907.518	11.20	0.47	0.29	2
6752.752	281.211	12.25	0.75		3	6792.668	2907.870	11.13	0.46	0.31	3
6773.704	292.084	12.13	0.56		3	6793.702	2908.313	11.35	0.54	0.28	2
6777.729	282.251	12.19	0.73		3						
6778.700	282.292	12.19	0.75		3	6792.806	2908.357	11.99	0.60	0.26	2
						6810.660	2915.572	11.65	0.67	0.34	3
6783.729	282.501	12.13	0.52	0.23	3	6811.656	2915.999	11.33	0.60	0.42	3
6784.704	282.542	12.03	0.39	0.19	3	6812.656	2916.427	11.61	0.66	0.24	3
6785.664	282.583	11.84	0.38	0.23	2	6813.649	2916.852	11.19	0.43	0.31	3
						6818.653	2918.994	11.31	0.60	0.27	3

TABLE 1 (continued)

CN Lyr		CONT.				T MON		CONT.			
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6819.648	2919.420	11.66	0.64	0.36	3	7015.594	259.640	6.41	1.43	1.28	1
6833.762	2925.462	11.23	0.47	0.22	2	7020.617	259.826	6.59	1.41	1.18	1
6843.640	2929.691	11.30	0.50	0.29	3	7022.603	259.899	6.56	1.34	1.07	1
6848.663	2931.441	11.30	0.56	0.35	3	7023.647	259.938	6.56	1.31	1.07	1
6849.653	2932.265	11.69	0.63		3	7043.618	260.677	6.49	1.44	1.28	1
RR MIC						7240.863	267.977	6.54	1.33	1.03	1
						7273.883	269.199	5.67	0.96	0.89	1
J.D.		V				SV MON					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5256.686	165.390	11.02	0.38	0.15	5	4784.307	314.083	8.52	1.34		7
5273.586	165.922	11.64	0.76	0.47	6	4785.285	314.148	8.70	1.39		-7
5274.587	165.954	11.69	0.77	0.40	6	5164.335	339.032	8.43	1.32		7
5276.582	166.016	11.83	0.75	0.43	6	5187.313	340.540	7.87	0.79		7
5276.653	166.019	11.82	0.73	0.44	6	5532.360	363.192	8.87	1.32		7
5277.581	166.048	11.84	0.73	0.38	6	5535.276	363.384	8.57	1.19		7
5278.593	166.080	11.87	0.70	0.38	6	5548.290	364.238	8.88	1.44		-7
5304.483	166.894	11.80	0.84	0.54	6	5555.249	364.595	7.91	0.92		7
7 MON						5567.248	365.483	8.47	1.12		7
J.D.	CYCLES	V	B-V	U-B	RF	5568.246	365.548	7.79	0.75		7
2809.996	103.995	6.50	1.28		8	5573.254	365.877	8.16	1.17		7
2813.979	104.142	5.60	0.95		8	5580.238	366.335	8.67	1.27		7
2814.970	104.179	5.63	0.98		8	5612.201	368.434	8.47	1.05		7
2821.010	104.403	6.02	1.35		8	7020.608	460.894	8.19	1.17	0.93	1
2822.003	104.439	6.12	1.37		8	7022.594	461.024	8.41	1.27	1.09	1
2825.008	104.551	6.33	1.42		8	7023.616	461.091	3.56	1.31	1.20	1
2831.990	104.809	6.55	1.31		8	7043.610	462.404	8.47	1.13	0.76	1
2833.021	104.847	6.57	1.49		8	7240.839	475.352	8.64	1.27	0.97	1
2841.964	105.178	5.69	0.96		8	7273.875	477.520	8.17	0.95	0.57	1
2848.938	105.436	6.15	1.37		8	7592.950	498.467	8.48	1.14	0.82	1
2860.972	105.882	6.61	1.41		8	7597.894	498.792	8.01	1.06	0.84	1
2865.014	106.031	6.24	1.18		8	7600.886	498.988	8.33	1.25	1.11	1
2882.835	106.691	6.48	1.51		8	7601.839	499.051	8.42	1.30	1.16	1
2883.962	106.732	6.51	1.52		8	7619.914	500.237	8.75	1.40	1.30	1
2885.899	106.804	6.56	1.50		8	7623.864	500.497	8.37	1.03	0.81	1
2887.844	106.876	6.62	1.43		8	7635.844	501.283	8.80	1.39	1.22	1
3216.979	119.057	6.06	1.03		8	7645.902	501.943	8.31	1.17	1.03	1
3238.889	119.868	6.63	1.43		8	7647.763	502.066	8.50	1.30	1.16	1
4784.328	177.063	5.76	0.90		7	7656.731	502.654	7.84	0.84	0.59	1
4785.304	177.099	5.66	0.89		-7	7660.739	502.917	8.24	1.20	0.99	1
5165.286	191.162	5.59	0.97	0.71	5	7663.731	503.114	8.57	1.34	1.22	1
5166.287	191.199	5.68	1.03	0.77	5	SZ MON					
5167.294	191.236	5.75	1.10	0.85	5	J.D.	CYCLES	V	B-V	U-B	RF
5169.288	191.310	5.91	1.25	0.92	5	6819.987	416.666	10.49	0.90	0.34	2
5176.304	191.570	6.31	1.43	1.18	5	6834.005	417.522	10.07	0.96	0.60	2
5177.288	191.606	6.38	1.45	1.18	5	6835.006	417.584	10.22	0.96	0.53	2
5201.233	192.492	6.21	1.37	1.12	5	6852.997	418.683	10.55	0.94	0.38	2
5209.232	192.788	6.61	1.44	1.17	5	6853.977	418.743	10.71	0.83		2
5532.381	204.748	6.51	1.44		7	6856.966	418.925	10.55	0.75		2
5535.295	204.855	6.60	1.41		7	6857.915	418.983	10.29	0.72		2
5547.265	205.298	6.08	0.95		-7	6858.980	419.048	9.94	0.67		2
5555.258	205.594	5.41	1.45		7	7597.923	464.194	9.87	0.89	0.58	1
5567.266	206.039	5.94	1.04		7	7600.908	464.376	10.01	0.96	0.65	1
5568.254	206.075	5.68	0.89		7	7601.880	464.436	10.10	0.96	0.61	1
5575.234	206.334	5.99	1.21		7						
7014.688	250.606	6.34	1.41	1.28	1						

TABLE 1 (continued)

SZ MON						XX MON					
CONT.											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7623.914	465.782	10.26	0.74	0.21	1	7597.931	1392.455	11.95	1.30	0.89	1
7635.883	466.513	10.48	0.95	0.51	1	7600.914	1393.002	11.61	1.02	0.66	1
7648.899	467.308	9.88	0.92	0.61	1	7601.887	1393.180	11.63	1.13	0.76	1
7653.807	467.608	10.53	0.83	0.41	1	7623.926	1397.219	11.53	1.24		1
						7635.891	1399.412	11.96	1.31	0.91	1
7660.815	468.036	9.76	0.71	0.39	1	7648.908	1401.798	12.23	1.42	0.87	1
7663.764	468.216	9.89	0.90	0.63	1	7653.867	1402.706	12.20	1.58	1.17	1
						7654.846	1402.886	12.17	1.23	1.14	1
						7660.821	1403.781	11.72	1.01	0.71	1
						7661.729	1404.147	11.62	1.09	0.72	1
						7663.769	1404.521	12.08	1.23	1.23	1
TX MON						AC MON					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4812.305	553.035	10.72	1.06		7	5532.409	689.689	10.38	1.38		7
5547.360	637.508	11.29	1.36		7	5535.328	690.053	9.77	1.04		7
5567.294	639.799	10.79	1.04		-7	5547.402	691.558	10.19	1.30		7
5568.302	639.915	10.86	1.09		-7	5568.322	694.166	9.90	1.13		7
5574.255	640.599	11.26	1.23		7	5573.304	694.787	10.45	1.39		7
5595.252	643.012	10.69	1.07		7	5574.269	694.907	10.17	1.22		7
5609.215	644.617	11.21	1.22		7	5609.231	699.266	9.77	1.12		7
6814.992	783.185	10.99	1.22	0.68	2	5616.211	700.136	9.86	1.40		-7
6819.978	783.759	10.73	1.08	0.62	2						
6833.998	785.370	11.16	1.28	0.86	2						
6853.002	787.554	11.27	1.53		2						
6853.983	787.667	11.67	1.15		2						
6856.973	798.010	10.74	1.06		2						
6857.919	738.119	10.85	1.16		2						
6858.987	786.242	10.98	1.19		2						
TZ MON						CV MON					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7600.921	1023.254	11.03	1.32	1.09	1	6512.621	1210.385	10.03	1.25	0.87	14
7601.894	1023.384	11.14	1.34	1.10	1	6513.594	1210.752	10.42	1.46	1.05	14
7635.898	1027.962	10.65	1.18	0.83	1	6515.595	1210.938	10.59	1.33	1.12	14
7640.916	1029.715	10.45	0.98	0.72	1	6516.658	1211.135	10.38	1.37	0.88	14
7649.883	1029.845	10.68	1.13	0.81	1	6517.594	1211.309	9.93	1.17	0.87	14
7653.875	1030.382	11.18	1.36	1.05	1	6571.348	1221.299	9.94	1.19	0.84	14
7654.852	1030.514	10.92	1.19	0.91	1	6572.419	1221.499	10.21	1.34	0.93	14
7660.827	1031.318	11.10	1.35	1.13	1	6575.378	1222.048	10.63	1.52	1.09	14
7661.735	1031.440	11.11	1.32	1.03	1	6612.278	1225.906	10.58	1.47	1.12	-14
7663.781	1031.716	10.46	0.99	0.74	1	6632.213	1222.611	10.33	1.39	1.05	14
						6632.412	1232.646	10.32	1.40	1.07	14
						6666.344	1238.955	10.61	1.49	1.07	14
						6666.551	1238.956	10.63	1.48	1.12	14
WW MON						R MUS					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7597.901	1629.643	12.38	1.18	0.73	1	3776.198	502.829	6.26	0.75		9
7600.893	1630.285	12.55	1.06	0.69	1	3777.238	502.968	6.52	0.91		9
7601.853	1630.491	12.12	1.00	0.72	1	3852.963	513.051	6.63	0.98		9
7619.924	1634.367	11.99	0.89	0.61	1	3855.890	513.441	6.10	0.56		9
7623.875	1635.214	12.67	1.35	0.48	1	4527.115	602.820	6.23	0.76		9
7635.851	1637.783	12.65	1.30		1	4544.024	605.071	6.66	0.99		9
7645.910	1639.940	12.71	1.31	0.89	1	4558.035	606.937	6.54	0.91		9
7647.770	1640.339	12.12	0.89	0.40	1	4561.024	607.335	6.51	0.77		9
7648.871	1640.575	12.27	1.06	0.76	1	4573.312	608.971	6.58	0.94		7
7649.859	1640.787	12.60	1.26	0.85	1	4575.315	609.238	6.75	0.95		7
7654.839	1641.855	12.64	1.22	0.92	1	4580.306	609.902	6.52	0.89		-7
7656.738	1642.263	12.57	1.19	1.09	1	4587.262	610.829	6.31	0.79		7
7660.747	1643.123	12.96	1.26	0.96	1	4833.147	643.570	6.06	0.61		9
7661.710	1643.329	12.17	0.98	0.66	1	4845.097	645.161	6.78	0.99		9
7663.740	1643.765	12.54	1.21	0.72	1						

TABLE i (continued)

R MUS					CONT.					S MUS					CONT.				
J.D.	CYCLES		B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF		
4847.407	645.469	5.92	0.54		7	4834.505	500.534	6.08	0.81		-7								
4848.093	643.560	6.04	0.63		9	4845.093	501.633	6.19	0.88		9								
4873.009	648.889	6.39	0.87		9	4848.286	501.940	6.49	0.91		9								
4885.460	650.536	6.01	0.57		7	4873.066	504.527	6.07	0.83		9								
4886.474	650.671	6.19	0.71		7	4890.456	506.327	5.99	0.76		7								
4903.042	652.877	6.37	0.85		9	4903.060	507.632	6.18	0.88		9								
4907.342	653.450	5.94	0.55		7	4917.985	509.177	6.02	0.72		9								
4908.256	653.571	6.05	0.62		7	4921.003	509.490	5.97	0.83		9								
4917.977	654.866	6.35	0.84		9	4926.043	510.012	6.41	0.88		9								
4921.008	655.269	6.70	0.91		9	4927.009	510.112	6.17	0.81		9								
4926.040	655.940	6.52	0.90		9	4929.334	510.352	5.98	0.76		7								
4927.006	656.068	6.64	0.99		9	4950.000	512.492	6.01	0.79		9								
4950.008	659.131	6.74	0.98		9	4950.979	512.593	6.18	0.85		9								
4950.983	659.261	6.75	0.89		9	4952.949	512.797	6.39	0.96		9								
4952.952	659.523	5.99	0.57		9	4953.943	512.900	6.45	0.95		9								
4953.947	659.656	6.17	0.70		9	5161.511	534.390	5.90	0.78	0.49	5								
5169.540	688.363	6.33	0.75	0.50	5	5176.491	535.941	6.39	0.95	0.63	5								
5176.519	689.293	6.58	0.87	0.62	5	5177.498	536.046	6.25	0.88	0.57	5								
5177.522	689.426	6.03	0.63	0.37	5	5179.490	536.252	5.93	0.75	0.48	5								
5179.523	689.693	6.15	0.74	0.50	5	5201.463	538.527	6.05	0.85	0.56	5								
5200.154	692.440	6.05	0.57		5	5205.487	538.943	6.40	0.95	0.64	5								
5201.495	692.618	6.05	0.70	0.46	5	5208.529	539.258	5.93	0.75	0.48	5								
5204.551	693.025	6.53	0.97	0.72	5	5236.417	542.146	6.09	0.79	0.48	5								
5205.511	693.153	6.70	1.01	0.77	5	5238.456	542.357	5.97	0.77	0.49	5								
5208.551	693.558	5.97	0.63	0.39	5	5243.451	542.874	6.39	0.98	0.67	5								
5235.447	697.273	6.65	0.93	0.65	5	5246.407	543.180	5.98	0.76	0.48	5								
5238.479	697.543	6.00	0.60	0.36	5	5250.471	543.601	6.10	0.89	0.60	5								
5241.439	697.937	6.46	0.93	0.67	5	5256.439	544.219	5.93	0.75	0.46	5								
5243.486	698.210	6.72	0.99	0.75	5	5257.387	544.317	5.97	0.78	0.49	5								
5246.433	698.602	6.04	0.67	0.43	5	5309.227	549.684	6.21	0.94	0.57	6								
5250.485	699.142	6.73	1.02	0.77	5	5310.221	549.787	6.31	0.98	0.59	6								
5251.439	699.269	6.67	0.92		7														
5257.405	700.063	6.62	0.99	0.75	5														
5282.299	703.378	6.42	0.74		7														
5311.197	707.226	6.65	0.98	0.71	6														
5349.211	712.288	6.66	0.87		7	4587.225	1486.425	8.77	0.72		7								
						4834.486	1566.546	8.66	0.70		7								
						4847.382	1570.725	8.90	0.84		7								
						4896.372	1586.599	8.79	0.76		7								
						4905.425	1589.533	8.62	0.70		7								
						4920.369	1594.375	9.07	0.84		7								
						4921.377	1594.702	8.90	0.85		7								
						5163.515	1673.163	9.31	1.02	0.73	5								
						5169.509	1675.105	9.28	1.02	0.75	5								
						5176.486	1677.366	9.06	0.86	0.55	5								
						5177.495	1677.693	8.85	0.84	0.55	5								
						5179.485	1678.338	9.17	0.94	0.62	5								
						5201.452	1685.456	8.61	0.69	0.41	5								
						5208.517	1687.745	8.91	0.89	0.56	5								
						5223.501	1692.601	8.76	0.76		7								
						5236.400	1696.780	8.97	0.93	0.59	5								
						5238.442	1697.442	8.67	0.70	0.40	5								
						5243.418	1699.055	9.25	1.02	0.72	5								
						5250.446	1701.332	9.22	0.93	0.60	5								
						5254.430	1703.271	9.28	1.00	0.67	5								
						5257.374	1703.577	8.62	0.74	0.45	5								
						5292.324	1714.902	9.11	0.98	0.68	5								

TABLE 1 (continued)

RT MUS						S NOR					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5309.251	1720.387	9.01	0.83		7	4563.484	467.849	6.57	1.04		7
5328.225	1726.535	8.71	0.67		7	4564.408	467.944	6.43	0.93		7
TZ MUS						4567.434	468.254	6.18	0.80		7
						4569.440	468.460	6.45	1.01		7
J.D.	CYCLES	V	B-V	U-B	RF	4572.393	468.762	6.78	1.13		7
4519.427	913.959	11.69	1.16		7	4574.357	468.964	6.45	0.91		7
4535.394	917.188	11.16	1.74		-7	4577.452	469.281	6.24	0.86		7
4569.308	924.046	11.42	1.14		7	4578.344	469.373	6.31	0.95		7
4578.283	925.861	11.62	1.38		-7	4579.326	469.473	6.49	1.03		7
4867.435	984.336	11.71	1.32		7	4580.352	469.578	6.62	1.12		7
4886.456	988.183	11.49	1.22		7	4585.276	470.023	6.30	0.85		7
4895.438	989.999	11.44	1.24		7	4586.314	470.190	6.16	0.82		7
4916.304	994.219	11.55	1.33		7	4867.573	495.024	6.33	0.84		7
4920.380	995.043	11.40	1.20		7	4885.513	500.864	6.62	1.01		7
5185.545	1048.667	11.17	1.62	1.41	-5	4886.554	500.970	6.43	0.90		7
5188.466	1049.258	11.70	1.33	0.86	-5	4917.498	504.143	6.25	0.84		7
5139.535	1049.474	11.73	1.54	1.30	-5	5167.624	529.786	6.72	1.11	0.86	5
5195.528	1050.686	12.01	1.35	1.20	-5	5169.620	529.990	6.36	0.90	0.62	5
5217.390	1055.107	11.37	1.14	0.76	6	5176.607	530.707	6.74	1.15	0.91	5
5241.406	1059.964	11.59	1.24	0.75	-5	5177.607	530.809	6.70	1.09	0.83	5
5243.430	1060.373	11.66	1.36	1.14	-5	5184.629	531.529	6.51	1.09	0.85	5
5244.460	1060.582	11.90	1.37		5	5188.642	531.940	6.43	0.94	0.66	5
5245.437	1060.779	12.04	1.50		-5	5195.640	532.658	6.71	1.14	0.90	5
5247.446	1061.186	11.72	1.19	0.79	-5	5201.573	533.266	6.15	0.85	0.58	5
5250.399	1061.783	12.12	1.29		5	5205.575	533.676	6.73	1.15	0.91	5
5270.373	1085.822	12.08	1.37		5	5208.614	533.988	6.37	0.90	0.62	5
5273.255	1066.405	11.70	1.36	1.00	-6	5215.527	534.697	6.75	1.16	0.87	6
5276.265	1067.014	11.39	1.15	0.78	6	5216.464	534.793	6.73	1.12	0.81	6
5285.300	1068.841	12.03	1.45		7	5217.467	534.896	6.49	0.99	0.65	6
5315.243	1074.896	11.92	1.31		7	5217.543	534.903	6.51	0.99	0.62	6
UU MUS						5223.443	535.508	6.49	1.08	0.79	6
J.D.	CYCLES	V	B-V	U-B	RF	5236.517	536.848	6.64	1.04	0.76	5
4519.442	388.388	9.85	1.10		7	5238.541	537.056	6.27	0.85	0.58	5
4520.421	388.472	9.39	0.89		7	5241.550	537.365	6.29	0.94	0.68	5
4521.351	388.552	9.34	0.90		7	5242.552	537.467	6.42	1.04	0.79	5
4835.543	415.553	9.31	0.92		7	5243.595	537.574	6.56	1.10	0.84	5
4905.443	421.563	9.33	0.98		7	5244.554	537.673	6.69	1.16	0.92	5
4906.421	421.644	9.60	1.11		7	5245.554	537.775	6.76	1.11	0.86	5
4929.324	423.612	9.50	1.08		7	5246.550	537.871	6.56	0.99	0.71	5
5166.491	443.994	10.10	1.45	1.20	-3	5250.565	538.289	6.19	0.88	0.62	5
5188.475	445.883	9.89	1.36	1.08	5	5256.504	538.898	6.51	0.98	0.70	5
5189.539	445.974	10.02	1.43	1.23	-5	5257.453	538.995	6.36	0.88	0.61	5
5195.533	445.489	9.23	0.38	0.56	5	5270.416	540.324	6.23	0.92	0.64	5
5242.461	450.522	9.14	0.86	0.55	5	5273.347	540.624	6.57	1.16	0.97	6
5243.434	450.606	9.48	1.06	0.71	5	5274.339	540.726	6.75	1.16	0.94	6
5245.441	450.778	9.73	1.25	0.96	5	5275.391	540.834	6.65	1.06	0.74	6
5250.456	451.209	10.20	1.44	1.04	-5	5276.348	540.932	6.45	0.96	0.59	6
5272.228	453.080	10.21	1.45	1.25	6	5277.406	541.041	6.28	0.86	0.51	6
5273.260	453.169	10.23	1.38	1.09	6	5278.397	541.142	6.22	0.86	0.52	6
5276.269	453.428	9.69	1.08	0.76	6	5279.431	541.248	6.11	0.83	0.51	6
S NOR						6806.405	697.794	6.73	1.10	0.80	15
J.D.	CYCLES	V	B-V	U-B	RF	6807.405	697.896	6.50	0.98	0.57	15
4561.469	467.643	6.65	1.15		7	6812.304	698.398	6.27	0.94	0.58	15
						6813.322	698.503	6.45	1.07	0.76	15
						6816.269	698.805	6.71	1.11	0.78	15
						6818.240	699.007	6.30	0.88	0.52	15
						6819.244	699.110	6.27	0.87	0.50	15

TABLE 1 (continued)

[illegible]

TABLE 1 (continued)

UX NOR						Y OPH						CONT.			
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF				
4567.452	1914.496	13.37	0.36		7	3093.788	130.678	6.17	1.39					8	
4569.452	1915.335	14.42	0.40		-7	3094.785	140.736	6.23	1.41					8	
4574.372	1917.397	13.29	0.31		7										
4575.422	1917.837	13.72	0.78		7	3095.792	180.795	6.28	1.40					8	
4916.415	2067.68	13.58	0.79		-7	3096.781	180.852	6.34	1.46					8	
						3098.771	180.969	6.44	1.48					8	
4920.494	2062.478	13.28	0.45		7	3101.875	181.150	6.40	1.43					8	
4921.447	2062.877	13.99	0.51		-7	3102.792	181.203	6.32	1.39					8	
4931.350	2067.028	14.16	1.12		-7										
5285.388	2215.427	13.25	0.30		7	3103.799	181.262	6.22	1.35					8	
						3131.722	182.893	6.36	1.49					8	
						3132.701	182.950	6.40	1.48					8	
						3152.674	184.117	6.44	1.44					8	
						3153.684	184.175	6.35	1.40					8	
4574.350	1324.820	10.62	1.43		7	3154.677	184.233	6.27	1.37					8	
4575.410	1325.127	10.14	1.19		7	3158.663	184.466	5.97	1.23					8	
4578.351	1325.978	10.27	1.22		7	3159.670	184.525	6.01	1.30					8	
4914.412	1423.308	10.36	1.34		7	4564.524	266.569	6.07	1.35					7	
4917.490	1424.199	10.22	1.24		7	4573.401	267.087	6.34	1.50					7	
4920.474	1425.064	10.10	1.18		7	4579.416	267.438	5.87	1.26					-7	
5167.606	1496.628	10.58	1.39	1.02	-5	4585.351	267.785	6.23	1.49					7	
5169.588	1497.212	10.26	1.21	0.93	-5	4586.377	267.845	6.29	1.51					7	
5184.625	1501.567	10.57	1.41	1.05	-5	4587.363	267.902	6.36	1.54					7	
5188.633	1502.728	10.73	1.31	1.05	-5	4901.628	286.256	6.19	1.33					-7	
5195.637	1504.756	10.65	1.34	0.95	-5	4921.489	287.415	5.90	1.26					7	
5201.605	1506.485	10.57	1.35	1.06	-5	4953.341	289.276	6.13	1.35					7	
5241.542	1518.051	10.11	1.15	0.79	5	4989.228	291.371	5.91	1.27					7	
5242.548	1518.343	10.37	1.28	0.93	-5	5208.660	304.186	6.32	1.41	1.05				5	
5245.588	1518.544	10.60	1.38	1.04	-5	5243.689	305.232	6.26	1.37	1.00				5	
5244.543	1518.920	10.42	1.30	0.91	-5	5244.634	306.287	6.13	1.32	0.96				5	
5245.550	1519.212	10.23	1.20	0.97	5	5256.550	306.983	6.33	1.48	1.14				5	
5246.545	1519.500	10.59	1.35	0.99	-5	5292.380	309.076	6.42	1.47	1.11				5	
5250.556	1520.662	10.52	1.36	0.98	-5	5304.322	309.773	6.27	1.44	1.14				6	
5256.500	1522.383	10.40	1.31	0.98	-5	5305.350	309.833	6.30	1.47	1.19				6	
5274.327	1527.546	10.53	1.36	1.06	6	5306.336	309.891	6.36	1.48	1.20				6	
5275.359	1527.845	10.59	1.36	1.05	6	5309.423	310.371	6.40	1.46	1.16				6	
5277.382	1528.431	10.42	1.35	1.00	6	5310.436	310.130	6.38	1.45	1.14				6	
						7015.994	409.735	6.20	1.50	1.14				1	
						7021.920	410.081	6.40	1.50	1.16				1	
						7022.960	410.142	6.34	1.48	1.11				1	
						7050.895	411.773	6.30	1.47	1.19				1	
2771.694	161.867	6.35	1.46		8	7051.903	411.832	6.32	1.54	1.17				1	
2772.708	161.926	6.39	1.49		8	7052.962	411.894	6.36	1.55	1.22				1	
2773.705	161.985	6.43	1.48		8	7082.896	413.642	6.08	1.41	1.04				1	
2776.708	162.160	6.36	1.42		8										
2778.728	162.278	6.24	1.32		8	7083.955	413.704	6.15	1.44	1.10				1	
						7087.766	413.926	6.35	1.54	1.23				1	
2780.719	162.394	5.97	1.23		8	7091.776	414.160	6.32	1.45	1.12				1	
3039.930	178.700	6.21	1.40		8	7093.817	414.280	6.16	1.36	1.03				1	
3060.938	178.759	6.16	1.41		8	7094.772	414.335	6.01	1.30	0.95				1	
3061.919	178.816	6.29	1.43		8										
3062.924	178.875	6.34	1.48		8	7099.838	414.631	6.07	1.38	1.05				1	
						7100.847	414.690	6.14	1.44	1.11				1	
3063.906	176.932	6.40	1.49		8	7102.842	414.807	6.26	1.51	1.17				1	
3069.889	179.282	6.22	1.31		8	7130.726	416.435	5.94	1.26	0.94				1	
3083.854	180.097	6.46	1.45		8	7135.744	416.728	6.17	1.44	1.10				1	
3087.852	180.331	6.08	1.27		8										
3089.837	180.447	5.94	1.23		8	7453.922	435.310	6.03	1.30	0.98				1	
						7455.804	435.420	5.94	1.25	0.98				1	
3090.835	180.505	6.00	1.26		8	7458.762	435.592	6.07	1.36	1.08				1	
3091.809	180.552	6.07	1.32		6	7518.637	439.089	6.33	1.49	1.21				1	
3092.816	180.621	6.09	1.32		8	7521.727	439.270	6.18	1.39	1.05				1	

TABLE 1 (continued)

Y						BH					
OPH		CONT.				OPH		CONT.			
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7523.696	439.384	5.95	1.27	0.98	1	6752.774	610.846	12.01	0.56		3
BF OPH						6775.707	612.926	11.69	0.47	0.43	3
						6776.636	613.014	11.63	0.51	0.38	3
						6777.712	613.107	11.79	0.56	0.35	3
J.D.	CYCLES	V	B-V	U-B	RF	6778.686	613.195	11.99	0.75		3
4585.322	1127.219	7.54	1.02		7	6779.319	613.297	12.22	0.78		3
4586.324	1127.465	7.61	0.98		7	6784.691	613.738	12.44	0.69		3
4587.306	1127.706	7.04	0.68		7	6791.783	614.380	12.23	0.78		3
4901.560	1204.960	7.38	0.88		7	6805.670	615.636	12.42	0.87		3
4905.612	1205.956	7.33	0.90		7	6807.655	615.815	12.21	0.45	0.30	3
4916.431	1208.616	7.09	0.71		7	6808.663	615.907	11.75	0.45	0.28	3
4917.509	1208.881	7.24	0.86		7	6809.668	615.998	11.64	0.45	0.36	3
4941.204	1214.706	7.03	0.71		7	6810.663	616.540	12.39	0.83	0.55	3
5176.621	1272.579	7.21	0.79	0.49	5	558 OPH					
5177.597	1272.819	7.17	0.82	0.53	5	J.D.	CYCLES	V	B-V	U-B	RF
5184.653	1274.553	7.33	0.83	0.54	5	7453.775	2574.511	13.23	0.67	0.40	1
5201.628	1278.726	7.04	0.73	0.45	5	7455.751	2575.193	12.99	0.56	0.26	1
5205.606	1279.704	7.02	0.72	0.44	5	7458.724	2576.220	12.97	0.66	0.42	1
5238.571	1287.808	7.17	0.81	0.53	5	7460.729	2576.913	12.79	0.57	0.42	1
5241.584	1288.549	7.34	0.85	0.55	5	7462.763	2577.615	13.00	0.65	0.40	1
5242.592	1288.797	7.14	0.80	0.51	5	7470.738	2580.370	13.22	0.67	0.48	1
5243.644	1289.055	7.43	0.98	0.70	5	7471.825	2580.745	12.73	0.58	0.38	1
5244.587	1289.287	7.60	1.03	0.74	5	7472.752	2581.065	13.01	0.48	0.40	1
5245.591	1289.534	7.39	0.87	0.57	5	RS ORI					
5246.603	1289.783	7.12	0.79	0.51	5	J.D.	CYCLES	V	B-V	U-B	RF
5304.260	1303.956	7.33	0.95	0.66	6	4580.245	605.307	8.14	0.87		7
5305.314	1304.218	7.58	1.01	0.67	6	4784.318	632.277	8.19	0.83		7
7056.853	1734.800	7.17	0.81	0.43	1	4785.297	632.406	8.12	0.85		-7
7083.837	1741.433	7.58	0.99	0.58	1	5166.783	682.756	8.47	1.11	0.83	5
7087.797	1742.407	7.66	1.02	0.67	1	5167.289	682.889	8.64	1.18	0.92	5
7099.854	1745.371	7.62	1.01	0.66	1	5169.285	683.152	8.69	1.09	0.77	5
7100.765	1745.595	7.09	0.75	0.38	1	5176.288	684.078	8.80	1.16	0.85	5
7102.797	1746.094	7.48	0.89	0.63	1	5177.275	684.208	8.46	0.98	0.66	5
7132.733	1753.454	7.71	1.03	0.62	1	5201.247	687.377	8.03	0.81	0.50	5
7135.668	1754.175	7.60	1.04	0.69	1	5209.237	688.432	8.11	0.88	0.56	5
7142.649	1755.891	7.28	0.87	0.53	1	5532.373	731.137	8.70	1.11		7
7143.651	1756.138	7.54	1.00	0.68	1	5535.284	731.522	8.29	0.93		7
7145.659	1756.631	7.36	0.72	0.41	1	5567.254	735.747	8.48	1.12		7
7147.640	1757.118	7.50	1.00	0.65	1	5573.262	736.541	8.26	0.93		7
7148.637	1757.363	7.63	1.01	0.63	1	5574.230	736.668	8.32	0.99		7
7162.646	1760.807	7.30	0.82	0.46	1	6812.992	900.378	8.02	0.84	0.60	2
7453.735	1832.366	7.85	1.03	0.63	1	6813.969	900.508	8.18	0.93	0.63	2
7454.701	1832.603	7.26	0.69	0.47	1	6814.974	900.640	8.29	0.97	0.62	2
7455.724	1832.855	7.21	0.84	0.52	1	6816.979	900.905	8.70	1.13		2
7458.688	1833.584	7.14	0.71	0.42	1	6817.980	901.038	8.84	1.19	0.81	2
7459.722	1833.838	7.25	0.84	0.52	1	6818.952	901.166	8.64	1.08	0.68	2
7460.756	1834.080	7.49	0.97	0.62	1	6819.921	901.298	8.06	0.81	0.53	2
7462.727	1836.577	7.29	0.76	0.41	1	6833.981	903.152	8.69	1.08	0.74	2
7469.700	1836.291	7.66	1.03	0.72	1	6834.966	903.282	8.11	0.84	0.55	2
7470.692	1836.535	7.41	0.87	0.52	1	6852.981	905.663	8.30	1.02	0.67	2
7472.717	1837.032	7.44	0.96	0.62	1	6853.965	905.793	8.61	1.10		2
7523.670	1849.558	7.35	0.84	0.52	1	6856.956	906.189	8.57	1.03		2
BH OPH						6857.915	906.315	8.03	0.78		2
J.D.	CYCLES	V	B-V	U-B	RF	6858.969	906.455	8.16	0.88		2
6751.713	610.755	12.41	0.63		3						

1. *Chlorophyll a* and *Chlorophyll b* were determined using a spectrophotometer (Shimadzu UV-1601) at 663 nm and 646 nm, respectively. The concentrations were calculated using the following equations: $Chl\ a = 12.7 \times OD_{663}$ and $Chl\ b = 22.9 \times OD_{646}$. The total chlorophyll concentration was calculated as the sum of *Chlorophyll a* and *Chlorophyll b*.

- 220 -

TABLE 1 (continued)

AU PER						SV PER						CONR.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
3122.861	1302.348	9.10	0.81		9	4335.042	589.531	8.59	0.85		9						
3123.854	1302.762	9.10	0.93		9	4337.012	589.708	8.80	1.03		9						
3125.854	1303.596	9.03	0.81		9												
3126.844	1304.009	9.27	0.96		9	4341.958	590.152	9.34	1.14		9						
						4418.816	597.059	9.35	1.11		9						
3148.809	1313.169	9.26	0.93		9	4424.783	597.595	8.69	0.92		9						
3151.778	1314.407	9.00	0.77		9	4425.769	597.683	8.78	1.03		9						
3153.893	1315.289	9.09	0.86		9	7215.847	648.390	8.99	1.06	0.49	1						
3154.858	1315.692	9.04	0.89		9												
3158.762	1317.320	9.08	0.82		9	7592.869	682.267	9.11	1.10	0.56	1						
						7597.827	682.713	8.78	1.04	0.62	1						
3179.705	1326.054	9.53	0.94		9	7600.765	682.977	9.18	1.19	0.67	1						
3180.701	1326.469	9.06	0.78		9	7601.767	683.067	9.30	1.19	0.62	1						
5348.370	2230.467	9.13	0.84		7	7619.759	684.684	8.73	1.05	0.64	1						
5364.352	2237.132	9.15	0.74		7												
5643.458	2353.530	9.42	0.87		7	7621.770	684.864	8.99	1.16	0.69	1						
						7623.688	685.037	9.22	1.24	0.62	1						
5654.469	2358.122	9.20	0.88		7	7625.723	685.220	9.26	1.13	0.62	1						
5661.464	2361.039	9.14	0.87		7	7626.752	685.312	9.05	1.08	0.55	1						
5668.521	2363.982	9.12	0.86		7	7634.890	686.043	9.25	1.24	0.61	1						
5681.422	2369.362	9.46	0.93		7												
5682.457	2369.794	9.07	0.73		7	7635.698	686.116	9.38	1.23	0.60	1						
						7645.804	687.024	9.22	1.21	0.62	1						
5683.452	2370.209	9.29	0.94		7	7646.708	687.105	9.25	1.26	0.65	1						
5686.451	2371.459	9.42	0.91		7	7652.763	687.649	8.70	1.01	0.55	1						
5687.477	2371.887	9.11	0.81		7	7653.736	687.737	8.80	1.06	0.65	1						
5688.382	2372.265	9.39	0.93		7												
5689.372	2372.677	9.10	0.71		7	7654.702	687.823	8.92	1.14	0.67	1						
						7655.722	687.915	9.07	1.19	0.68	1						
7131.917	2974.272	9.31	0.97	0.71	1	7656.667	688.000	9.22	1.20	0.64	1						
7142.869	2978.839	9.05	0.74	0.49	1	7658.783	688.183	9.28	1.18	0.46	1						
7143.899	2979.269	9.29	0.94	0.66	1												
7144.861	2979.670	9.23	0.79	0.48	1												
7147.879	2980.929	9.07	0.81		1												
7178.814	2993.830	9.02	0.77	0.49	1												
7183.772	2995.897	9.04	0.80		1	6796.979	1584.339	11.41	1.33		2						
7189.726	2998.380	9.42	0.93	0.63	1	6809.896	1587.350	11.42	1.31	0.82	2						
7189.734	2998.384	9.42	0.93	0.63	1	6810.959	1587.598	11.36	1.27	0.81	2						
7191.761	2999.237	9.31	0.94	0.67	1	6611.947	1587.828	10.83	0.99	0.67	2						
						6812.855	1588.040	11.14	1.17	0.83	2						
7205.733	3005.056	9.18	0.90	0.63	1												
7215.579	3009.203	9.32	0.97	0.65	1	6813.874	1588.278	11.29	1.30	0.87	2						
7228.676	3014.624	9.09	0.73	0.47	1	6814.870	1588.510	11.52	1.31	0.89	2						
7233.731	3016.732	9.05	0.74	0.52	1	6815.899	1588.750	10.85	0.97	0.58	2						
7239.686	3019.215	9.32	0.93	0.68	1	6816.867	1588.975	11.05	1.17	0.75	2						
						6817.915	1589.219	11.30	1.28	0.87	2						
7240.692	3019.635	9.11	0.74	0.47	1												
7241.700	3020.055	9.19	0.90	0.68	1	6817.957	1589.229	11.30	1.28	0.89	3						
7472.934	3116.488	9.07	0.79	0.54	1	6818.871	1589.442	11.49	1.31	0.84	2						
7515.885	3134.400	9.07	0.78	0.57	1	6818.907	1589.451	11.48	1.31	1.00	3						
7521.872	3136.897	9.50	0.96	0.67	1	6819.877	1589.677	10.97	1.06	0.66	2						
						6819.918	1589.686	10.89	1.03	0.67	3						
7523.813	3137.707	9.29	0.94	0.63	1												
						6823.895	1592.944	11.01	1.12	0.79	2						
						6834.884	1593.175	11.28	1.31	0.84	2						
						6836.926	1593.551	11.15	1.09	0.73	2						
						6844.934	1595.517	11.50	1.29	0.89	3						
						6845.939	1595.752	10.72	0.97	0.72	3						
						6846.936	1595.984	11.04	1.17	0.69	3						
						6848.946	1596.453	11.52	1.26		3						
						6849.931	1596.682	10.90	1.03	0.82	3						
						6852.848	1597.362	11.45	1.30	0.94	2						
						6853.863	1597.599	11.38	1.26	0.76	2						
						6858.869	1598.766	10.72	0.96		2						
						6827.774	1495.384	11.11	0.81		4						

TABLE 1 (continued)

UX PER						UY PER						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6827.947	1495.422	11.16	0.84		4	6818.894	1270.980	11.15	1.56	1.09	3	6832.910	1273.592	11.53	1.63		4
6836.841	1497.370	11.07	0.79	0.59	2	6819.876	1271.162	11.44	1.70		3	6836.863	1274.329	11.64	1.72		2
6837.785	1497.577	11.49	0.99		4	6827.794	1272.639	11.38	1.56		4	6837.803	1274.504	11.73	1.80		4
6843.852	1498.905	11.88	1.17		4	6827.970	1272.671	11.13	1.44		4	6837.970	1274.535	11.73	1.76		4
						6830.949	1273.227	11.53	1.67		4	6843.872	1275.635	11.32	1.58		4
6847.780	1499.766	11.74	1.12		4												
6847.904	1499.793	11.79	1.11		4	6844.909	1275.829	10.93	1.39	1.11	-3	6848.895	1276.572	11.61	1.71		3
6849.805	1500.209	11.76	1.02	0.69	2	6845.893	1276.012	11.25	1.55		3	6849.791	1276.739	10.86	1.36	1.04	2
6852.795	1500.864	11.78	1.10	0.42	2	6846.893	1276.199	11.47	1.66		3	6849.914	1276.762	10.86	1.35		3
6853.819	1501.008	11.98	1.12	0.66	2	6847.794	1276.366	11.64	1.74		4	6852.802	1277.300	11.57	1.72		2
						6847.920	1276.390	11.66	1.71		4	6853.807	1277.487	11.72	1.72		2
6856.752	1501.731	11.12	1.10		2												
6857.775	1501.955	11.96	1.08		2	6848.895	1276.572	11.61	1.71		3	6856.742	1278.034	11.24	1.60		2
6866.822	1503.936	11.92	1.14		4	6849.791	1276.739	10.86	1.36		2	6857.709	1278.215	11.48	1.67		2
6867.806	1504.152	11.99	1.16		4	6849.914	1276.762	10.86	1.35		3	6858.808	1278.419	11.64	1.76		2
6869.851	1504.600	11.54	1.02		4	6852.802	1277.300	11.57	1.72		2	6866.848	1279.918	11.39	1.49		4
						6853.807	1277.487	11.72	1.72		2	6867.853	1280.105	11.37	1.65		4
6876.868	1506.136	11.98	1.16		4												
6879.815	1506.782	11.71	1.12		4	6856.742	1278.034	11.24	1.60		2	6869.896	1280.486	11.72	1.74		4
6880.810	1507.000	11.98	1.19		4	6857.709	1278.215	11.48	1.67		2	6876.885	1281.769	10.84	1.36		4
6941.653	1520.325	11.12	0.81		4	6858.808	1278.419	11.64	1.76		2	6879.860	1282.343	11.58	1.74		4
6942.643	1520.542	11.44	0.96		4	6866.848	1279.918	11.39	1.49		4	6880.831	1282.524	11.67	1.76		4
						6867.853	1280.105	11.37	1.65		4	6942.655	1294.048	11.28	1.59		4
6948.626	1521.852	11.84	1.12		4												
6949.703	1522.088	12.07	1.19		4	6869.896	1280.486	11.72	1.74		4	6948.640	1295.163	11.46	1.66		4
6954.647	1523.171	12.00	1.14		4	6876.885	1281.769	10.84	1.36		4	6951.680	1295.730	10.84	1.36		4
6955.587	1523.377	11.14	0.79		4	6879.860	1282.343	11.58	1.74		4	6953.667	1296.100	11.32	1.64		4
6972.626	1527.109	12.07	1.25		4	6880.831	1282.524	11.67	1.76		4	6954.589	1296.272	11.52	1.70		4
												6971.650	1299.452	11.71	1.76		4
6975.619	1527.764	11.80	1.13		4												
6977.624	1528.203	11.90	1.10		4	6972.645	1299.636	11.30	1.63		4						
6978.608	1528.419	11.18	0.85		4	6977.641	1300.569	11.59	1.69		4						
6978.651	1528.428	11.22	0.87		4	6978.630	1300.753	10.81	1.37		4						
6979.615	1528.640	11.60	1.04		4	6978.654	1300.758	10.83	1.36		4						
						6980.628	1301.126	11.34	1.64		4						
6980.615	1528.859	11.90	1.13		4												
6981.606	1529.076	12.05	1.20		4	6981.526	1301.312	11.56	1.71		4						
6982.621	1529.298	11.21	0.82		4	7215.766	1344.953	11.19	1.42	1.15	1						
6983.657	1529.525	11.36	0.94		4	7267.704	1354.634	11.32	1.57	1.16	1						
7215.750	1580.357	11.10	0.75	0.52	4												
7593.831	1663.162	11.48	0.70	0.38	1												
7597.798	1664.031	12.00	1.13	0.76	1												
7600.750	1664.677	11.67	1.02	0.75	1												
7601.672	1664.879	11.94	1.13	0.74	1												
7619.738	1668.836	11.81	1.15	0.76	1												
7623.712	1669.706	11.65	1.09	0.76	1												
7625.726	1670.147	11.95	1.21	0.82	1												
7626.730	1670.367	11.08	0.81	0.60	1												
7635.669	1672.325	11.14	0.79	0.59	1												
7645.775	1674.538	11.41	0.93	0.63	1												
7646.675	1674.736	11.64	1.15	0.73	1												
7649.747	1675.408	11.17	0.85	0.59	1												
7655.703	1676.713	11.70	1.09	0.74	1												
7658.687	1677.366	11.02	0.85	0.46	1												
7663.662	1678.456	11.25	0.85	0.62	1												
UY PER						VX PER											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF						
6812.984	1269.878	11.05	1.45	1.22	3	6766.916	621.120	9.09	1.15	0.76	3						
6813.979	1270.064	11.29	1.70		3	6768.967	621.308	9.05	1.11		3						
6815.762	1270.433	11.74	1.80		3	6774.981	621.860	9.56	1.36		3						
6816.967	1270.621	11.44	1.63	1.08	3	6784.993	622.779	9.71	1.42		3						
6817.907	1270.796	10.88	1.36	1.13	3	6796.914	623.873	9.53	1.30		2						
						6797.965	623.970	9.28	1.15		2						
						6805.976	624.705	9.65	1.45		3						
						6806.955	624.796	9.83	1.37	1.02	2						
						6808.876	624.971	9.30	1.17	0.82	2						
						6808.963	624.979	9.30	1.20	0.82	3						

TABLE 1 (continued)

VX PER						AS PER					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6809.835	625.059	9.12	1.08	0.69	2	6808.952	1369.294	9.96	1.52	1.18	2
6809.977	625.072	9.10	1.10	0.78	3	6809.905	1369.486	10.11	1.53	1.18	2
6810.888	625.156	9.13	1.17	0.64	2	6810.967	1369.699	9.21	1.18	0.91	2
6810.984	625.165	9.15	1.14	0.84	3	6811.959	1369.899	9.49	1.31	0.99	2
6811.901	625.249	9.00	1.08	0.73	2						
						6812.874	1370.083	9.77	1.42	1.06	2
6812.838	625.335	9.13	1.15	0.79	2	6812.998	1370.108	9.77	1.46	1.07	3
6813.766	625.420	9.23	1.24	0.91	2	6813.885	1370.286	9.90	1.53	1.14	2
6813.931	625.435	9.24	1.30	0.92	3	6813.992	1370.308	9.93	1.55	1.20	3
6814.848	625.519	9.37	1.32	0.96	2	6814.879	1370.486	10.12	1.56	1.14	2
6814.953	625.529	9.38	1.38	1.07	3						
						6814.996	1370.510	10.06	1.50	1.13	3
6815.840	625.610	9.50	1.37	1.06	2	6815.906	1370.693	9.22	1.15	0.91	2
6816.842	625.702	9.64	1.41	1.08	2	6815.990	1370.710	9.19	1.15	0.88	3
6817.833	625.793	9.66	1.37	1.00	2	6816.981	1370.909	9.47	1.33	0.94	3
6817.886	625.798	9.67	1.41	1.13	3	6817.923	1371.098	9.78	1.44	1.08	2
6818.822	625.884	9.47	1.26	0.88	3						
						6818.880	1371.291	9.97	1.52	1.12	2
6818.823	625.884	9.50	1.27	0.87	2	6819.884	1371.493	10.10	1.54	1.14	2
6819.868	625.980	9.78	1.18	0.81	3	6833.924	1374.316	9.97	1.53	1.21	2
6820.802	626.066	9.10	1.08	0.75	2	6834.898	1374.512	10.03	1.49	1.23	2
6833.861	627.265	8.96	1.05	0.79	2	6836.919	1374.918	9.48	1.33	1.02	2
6844.900	628.278	8.97	1.03	0.74	3						
						6844.966	1376.537	10.03	1.46	1.07	3
6845.879	628.368	9.19	1.20	0.82	3	6845.947	1376.724	9.24	1.16	0.91	3
6845.892	628.369	9.06	1.19	0.87	2	6846.952	1376.936	9.52	1.35	1.00	3
6846.860	628.458	9.23	1.26	0.91	2	6848.955	1377.339	10.01	1.52	1.20	3
6846.864	628.460	9.28	1.27	0.87	2	6849.960	1377.541	10.01	1.45	1.13	3
6848.886	628.644	9.00	1.43	1.12	3						
						6852.841	1378.120	9.78	1.48	1.10	2
6849.777	628.725	9.61	1.39	1.10	2	6853.856	1378.324	9.98	1.54	1.14	2
6849.899	628.737	9.71	1.43	1.14	3	6854.867	1378.528	10.00	1.52		2
6852.767	629.000	9.28	1.13	0.77	2	6856.827	1378.922	9.53	1.23		2
6853.790	629.094	9.08	1.09	0.78	2	6857.793	1379.116	9.77	1.44		2
6856.724	629.363	9.16	1.21		2						
						6858.862	1379.331	9.97	1.55		2
6857.691	629.452	9.27	1.26		2						
VY PER						AW PER					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6940.729	1254.664	11.11	1.56		4	6806.995	1053.163	7.53	1.09	0.63	3
6941.656	1254.831	10.80	1.47		4	6808.000	1053.319	7.06	0.92	0.63	3
6942.650	1255.011	11.07	1.63		4	6808.960	1053.467	7.28	1.03	0.72	2
6948.629	1256.092	11.18	1.69		4	6809.007	1053.475	7.29	1.05	0.68	3
6949.706	1256.287	11.43	1.76		4	6809.918	1053.616	7.44	1.13	0.71	2
6951.671	1256.642	11.21	1.64		4	6809.990	1053.627	7.42	1.13	0.69	3
6953.660	1257.001	11.05	1.60		4	6810.973	1053.779	7.65	1.24	0.77	2
6954.653	1257.181	11.29	1.71		4	6810.996	1053.782	7.65	1.21	0.71	3
6955.644	1257.360	11.55	1.76		4	6811.967	1053.933	7.80	1.23	0.76	2
6971.636	1260.251	11.35	1.72		4	6811.976	1053.934	7.78	1.24	0.73	3
6972.632	1260.431	11.56	1.74		4	6812.884	1054.075	7.82	1.20	0.70	2
6975.624	1260.972	11.06	1.96		4	6813.006	1054.093	7.80	1.19	0.67	3
6977.627	1261.334	11.44	1.74		4	6813.892	1054.230	7.12	0.96	0.59	2
6979.619	1261.694	10.93	1.49		4	6814.001	1054.247	7.08	0.93	0.61	3
6980.618	1261.875	10.84	1.50		4	6814.888	1054.365	7.18	0.98	0.62	2
6981.613	1262.054	11.14	1.64		4	6815.004	1054.403	7.17	1.00	0.65	3
6982.627	1262.238	11.30	1.72		4	6815.915	1054.543	7.35	1.10	0.69	2
						6816.803	1054.693	7.48	1.17	0.70	2
						6817.931	1054.855	7.70	1.22	0.75	2
						6818.888	1055.003	7.84	1.22	0.75	2
						6818.958	1055.014	7.84	1.22	0.71	3
						6819.893	1055.159	7.57	1.09	0.62	2
6807.967	1369.096	9.73	1.45	1.06	2	6819.927	1055.164	7.53	1.09	0.63	3

TABLE 1 (continued)

AW PER						X PUP					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6833.837	1057.316	7.09	0.94	0.59	2	5165.330	198.965	7.98	1.05	0.72	5
6834.994	1057.495	7.34	1.09	0.68	2	5166.356	199.005	8.08	1.10	0.82	5
						5187.390	199.815	8.36	1.03		-7
6836.933	1057.795	7.71	1.21	0.70	2	5188.374	199.853	7.91	0.87		7
6844.974	1059.039	7.84	1.22	0.66	3	5195.318	200.120	8.33	1.32	1.03	5
6845.554	1059.191	7.42	1.04	0.61	3						
6846.959	1059.347	7.19	0.94	0.64	3	5201.277	200.350	8.71	1.51	1.21	5
6848.962	1059.656	7.46	1.14	0.68	3	5208.274	200.619	9.03	1.52	1.21	5
						5209.297	200.659	9.11	1.55	1.23	5
6849.967	1059.817	7.73	1.23	0.69	3	5242.253	201.928	7.96	0.96	0.61	5
6852.855	1060.259	7.06	0.90	0.60	2	7015.628	270.237	8.43	1.42	1.17	1
6853.870	1060.416	7.20	1.01	0.67	2						
6856.837	1060.875	7.78	1.22		2	7020.646	270.431	8.82	1.55	1.42	1
6857.805	1061.025	7.68	1.22		2	7022.635	270.507	8.98	1.53	1.42	1
						7023.627	270.545	8.97	1.54	1.44	1
6858.876	1061.190	7.44	1.04		2	7049.627	271.547	8.86	1.52	1.48	1
7240.804	1120.281	7.05	0.93	0.53	1	7315.804	281.800	8.85	1.30	0.96	1
7273.868	1125.397	7.22	0.95	0.56	1						
DW PER						7600.960	292.784	9.05	1.38	1.12	1
J.D.	CYCLES	V	B-V	U-B	RF	7601.919	292.821	8.48	1.11	0.82	1
6832.903	1871.962	11.83	1.25		4	7635.930	294.131	8.36	1.27	1.04	1
6837.798	1873.303	11.35	1.07		4	7648.946	294.632	9.01	1.52	1.32	1
6837.943	1873.342	11.38	1.11		4	7653.904	294.823	8.41	1.04	0.77	1
6843.868	1874.966	11.79	1.26		4						
6847.791	1876.040	11.66	1.15		4	7654.879	294.861	7.94	0.85	0.62	1
						7656.770	294.934	8.01	0.92	0.66	1
6866.843	1881.260	11.26	1.04		4	7661.798	295.127	8.29	1.28	1.03	1
6867.845	1881.534	11.63	1.20		4	7663.805	295.205	8.41	1.37	1.17	1
6869.889	1882.094	11.41	1.06		4	RS PUP					
6876.880	1884.010	11.76	1.20		4	J.D.	CYCLES	V	B-V	U-B	RF
6879.852	1884.024	11.80	1.28		4	3764.979	90.986	7.09	1.62		9
						3775.915	91.250	7.57	1.71		9
6880.826	1885.091	11.44	1.07		4	3776.906	91.274	7.61	1.70		9
6940.732	1901.503	11.60	1.18		4	3777.943	91.299	7.63	1.72		9
6941.583	1901.736	11.77	1.28		4	3778.917	91.322	7.57	1.67		9
6948.633	1903.667	11.74	1.29		4						
6949.710	1903.962	11.91	1.30		4	3795.896	91.757	6.78	1.43		9
						4451.988	107.588	6.49	1.17		9
6951.676	1904.501	11.55	1.22		4	4469.100	108.001	7.11	1.61		9
6954.659	1905.318	11.35	1.07		4	4470.087	108.025	7.10	1.65		9
6971.645	1909.972	11.88	1.25		4	4472.083	108.074	7.23	1.63		9
6972.640	1910.244	11.28	1.04		4						
6977.638	1911.614	11.71	1.25		4	4529.260	109.453	7.13	1.39		7
						4530.239	109.479	6.93	1.27		7
6978.627	1911.885	11.84	1.32		4	4531.205	109.502	6.76	1.20		7
6979.625	1912.158	11.20	0.98		4	4532.214	109.527	6.59	1.14		7
6980.624	1912.432	11.52	1.19		4	4533.215	109.551	6.57	1.11		7
6981.623	1912.705	11.78	1.28		4						
6982.635	1912.983	11.82	1.27		4	4534.197	109.575	6.57	1.14		7
						4535.194	109.599	6.54	1.14		7
X PUP						4536.213	109.623	6.63	1.22		7
J.D.	CYCLES	V	B-V	U-B	RF	4820.014	116.482	6.88	1.30		9
4833.297	186.175	8.41	1.38		7	4826.087	116.629	6.53	1.19		9
4834.260	186.212	8.47	1.41		7						
4835.237	186.250	8.55	1.45		7	4828.931	116.677	6.67	1.33		9
4865.262	187.407	8.83	1.58		7	4829.996	116.723	6.68	1.38		9
4867.241	187.483	8.90	0.95		7	4833.046	116.797	6.79	1.44		9
						4834.026	116.820	6.86	1.46		9
4869.249	187.560	8.97	1.55		7	4840.051	116.966	7.06	1.58		9
4905.225	188.946	8.02	0.99		-7						
4906.212	188.984	8.19	1.01		-7	4840.991	116.989	7.09	1.60		9
4907.215	189.023	8.28	1.16		-7	4844.035	117.062	7.20	1.69		9
5161.328	198.811	6.47	1.09	0.76	5	4844.978	117.085	7.20	1.67		9
						4847.985	117.158	7.36	1.67		9
						4855.979	117.351	7.52	1.71		9

TABLE 1 (continued)

[illegible]

TABLE 1 (continued)

VZ PUP						WX PUP					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5239.243	226.180	9.29	1.08	0.75	5	5568.385	623.010	9.05	0.92		7
5242.258	226.311	9.47	1.25	0.90	5	5632.196	630.149	12.31	1.35		-7
5256.225	226.914	10.24	1.47	1.21	-5						
5256.231	226.914	10.17	1.39		7	WY PUP					
WW PUP						J.D.	CYCLES	V	B-V	U-B	RF
J.D.	CYCLES	V	B-V	U-B	RF	4513.214	859.529	10.87	0.90		7
4835.246	876.471	10.27	0.73		7	4523.199	861.430	11.02	1.00		7
4869.259	882.636	10.23	0.78		7	4529.203	862.574	10.61	0.77		7
4885.237	885.532	10.16	0.66		7	4530.213	862.766	10.28	0.66		7
5165.346	936.307	10.95	1.12	0.87	-5	4531.192	862.953	10.56	0.84		7
5166.367	936.492	10.04	0.74	0.46	5	4834.266	920.673	10.20	0.58		7
5194.376	941.569	10.15	0.71		7	4835.345	920.878	10.42	0.77		7
5195.332	941.742	10.40	0.89	0.61	5	4839.228	921.617	10.44	0.68		7
5209.311	944.276	10.95	1.08	0.67	-5	4840.236	921.809	10.37	0.69		7
5238.268	949.525	10.07	0.68	0.40	5	4861.310	925.823	10.37	0.72		7
5239.252	949.704	10.30	0.86	0.59	5	4865.282	926.579	10.61	0.77		7
5242.267	950.250	10.99	1.10	0.88	-5	4866.248	926.763	10.25	0.63		7
5547.450	1005.570	10.17	0.70		7	4867.251	926.954	10.54	0.84		7
5555.411	1007.013	10.73	1.03		7	5105.372	983.731	10.20	0.66	0.40	5
5567.338	1009.110	10.97	1.12		7	5238.290	997.518	10.38	0.73	0.38	5
5568.352	1009.359	10.95	1.04		7	5239.271	997.804	10.30	0.72	0.47	5
5573.375	1010.269	11.05	1.10		7	5242.290	998.379	10.74	1.24	0.74	5
5574.304	1010.437	10.52	0.84		7	WZ PUP					
5524.203	1019.482	10.17	0.72		7	J.D.	CYCLES	V	B-V	U-B	RF
5629.214	1020.391	10.79	0.94		7	4513.225	897.724	10.17	0.72		7
7015.673	1271.703	10.36	0.86	0.51	1	4519.255	898.923	10.37	0.85		7
7020.651	1272.612	10.20	0.75	0.47	1	4523.214	899.711	10.19	0.71		7
7022.642	1272.973	10.73	0.99	0.65	1	4532.198	901.498	10.03	0.62		7
7023.622	1273.151	10.94	1.10	0.75	1	4835.360	961.799	10.21	0.83		7
7315.821	1326.117	10.78	1.10	0.79	1	4865.290	967.753	10.15	0.78		7
7600.966	1377.604	10.52	0.92	0.61	1	4867.272	968.147	10.58	0.98		7
7601.924	1377.978	10.66	1.03	0.68	1	4869.280	968.546	9.88	0.59		7
7648.954	1386.503	10.07	0.66	0.47	1	4893.228	973.310	10.76	0.98		7
7654.885	1387.578	10.15	0.71	0.49	1	5239.278	1042.143	10.55	0.99	0.86	-5
7661.804	1388.832	10.56	0.97	0.63	1	5242.296	1042.743	10.58	0.87	0.55	5
WX PUP						5246.230	1043.525	9.86	0.56	0.37	5
J.D.	CYCLES	V	B-V	U-B	RF	5256.241	1045.517	9.90	0.62	0.35	5
4513.205	504.953	9.21	0.99		7	5256.242	1045.518	9.97	0.51		7
4522.181	505.957	9.13	0.90		7	AD PUP					
4522.184	506.069	8.89	0.82		7	J.D.	CYCLES	V	B-V	U-B	RF
4533.202	507.190	8.68	0.88		7	4519.244	332.444	9.31	0.75		7
4835.335	540.994	9.06	1.03		-7	4520.195	332.514	9.71	0.77		-7
5161.345	577.469	9.03	1.03	0.76	5	4520.253	332.518	9.50	0.76		-7
5164.357	577.805	9.30	1.22	0.95	5	4531.184	333.322	10.04	1.08		7
5177.318	579.256	8.88	0.94	0.67	5	4532.178	333.396	9.46	0.77		7
5195.336	581.272	8.90	0.96	0.65	5	4833.304	355.547	9.56	0.92		7
5201.285	581.937	9.22	1.05	0.78	5	4847.227	356.571	9.59	0.98		7
5208.288	582.721	9.33	1.21	0.93	5	5165.357	379.973	10.21	1.40	1.14	-5
5209.320	582.836	9.42	1.17	0.93	5	5195.339	382.179	10.21	1.25	0.98	-5
5242.271	586.523	9.07	1.09	0.83	5	5238.274	385.337	10.05	1.15	0.77	5
5246.211	586.964	9.13	1.01	0.71	5	5239.257	385.410	9.31	0.77	0.42	5
5256.240	588.086	8.76	0.84		-7	5242.275	385.532	9.65	1.05	0.76	5
5257.215	588.195	8.81	0.90	0.60	5						

TABLE 1 (continued)

AP PUP						AT PUP						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4847.256	953.375	7.12	0.66		7	5644.206	846.868	7.91	0.81		7	7601.930	1140.609	7.53	0.58	0.31	1
4867.262	957.310	7.26	0.74		7	7626.935	1144.361	8.34	1.09	0.70	1						
4893.215	962.415	7.16	0.64		7							7634.976	1145.567	7.71	0.64	0.36	1
5161.352	1015.153	7.66	1.01	0.74	5							7635.944	1145.713	7.62	0.63	0.37	1
5169.325	1016.721	7.38	0.92	0.64	5							7653.925	1148.410	8.38	0.97	0.71	1
												7654.894	1148.556	7.82	0.66	0.38	1
5176.330	1018.099	7.64	1.03	0.76	5							7656.893	1148.856	7.90	0.79	0.48	1
5177.322	1018.294	7.20	0.81	0.51	5												
5188.430	1020.479	7.19	0.72		7							7661.811	1149.594	7.61	0.57	0.32	1
5201.270	1023.008	7.62	1.03	0.76	5							7663.819	1149.895	7.91	0.82	0.52	1
5208.301	1024.387	7.03	0.70	0.43	5												
5209.329	1025.589	7.23	0.84	0.56	5												
5223.323	1027.342	7.19	0.59		7												
5247.212	1032.040	7.63	1.02	0.76	5												
5257.226	1034.010	7.61	1.02	0.76	5												
5532.444	1088.141	7.70	1.01		7												
5535.392	1088.720	7.38	0.69		7												
5626.216	1106.58	7.24	0.81		7												
5629.224	1107.176	7.67	0.95		7												
5640.190	1109.332	7.20	0.77		7												
AQ PUP						BM PUP											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5161.364	172.878	8.27	1.32	0.97	5							5165.365	717.561	10.93	1.34	1.02	-5
5169.331	173.145	8.66	1.54	1.25	5							5223.224	725.599	11.06	1.37	0.96	6
5208.305	174.450	8.96	1.55	1.22	5							5238.285	727.691	11.28	1.60	1.07	-5
5209.336	174.485	9.04	1.54	1.23	5							5239.261	727.827	11.24	1.40	1.14	-5
5223.239	174.950	8.50	1.41	1.02	6							5242.283	728.247	10.63	1.14	0.74	5
5238.295	175.455	9.01	1.50	1.15	5												
5239.275	175.488	9.01	1.50	1.18	5							5256.235	730.165	10.60	1.13	0.81	5
5267.205	176.423	8.99	1.55	1.20	5							5270.203	732.125	10.44	1.06	0.69	5
5270.213	176.524	9.05	1.48	1.22	5												
AT PUP						BN PUP											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5169.360	775.621	7.54	0.60	0.35	5							5239.291	383.157	10.27	1.41	1.09	-5
5201.310	780.415	8.38	0.99	0.71	5							5242.307	383.378	9.21	0.87	0.57	5
5208.331	781.469	8.19	0.90	0.61	5												
5209.366	781.624	7.59	0.64	0.39	5							5256.246	384.397	9.35	0.94	0.62	5
5246.248	787.158	8.23	1.31	0.74	5							5257.231	384.469	9.48	1.05	0.73	5
												5267.215	385.199	10.10	1.30	0.94	5
5256.260	788.660	7.55	0.62	0.37	5							5270.218	385.419	7.39	0.98	0.68	5
5267.220	790.304	8.38	1.06	0.81	5												
5535.422	830.546	7.62	0.69		7												
5547.474	832.354	8.45	1.04		7												
5573.401	836.244	8.37	1.03		7												
5574.316	836.382	8.45	1.03		7												
5580.324	837.283	8.41	1.05		7												
5595.318	839.533	7.90	0.71		7												
5608.295	841.480	8.17	0.85		7												
5609.278	841.627	7.53	0.56		7												
5612.236	842.071	8.13	0.94		7												
5616.231	842.671	7.61	0.62		7												
5622.234	843.571	7.61	0.60		7												
5629.231	844.621	7.55	0.56		7												
5636.191	845.665	7.61	0.61		7												
5640.197	846.267	8.40	1.06		7												
5641.192	846.416	8.33	0.98		7												
						CO PUP											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
												4510.232	281.552	11.02	0.87		7
												4513.235	281.739	10.56	0.75		7
												4530.248	282.801	10.49	0.88		7
												4544.201	283.672	10.61	0.73		7
												4833.344	301.722	10.47	0.80		7
												4834.295	301.781	10.59	0.75		-7
												4835.417	301.851	10.45	0.93		7
												5164.371	322.386	10.80	1.39	1.22	-5
												5239.296	327.064	10.91	1.24	1.00	-5
												5246.259	327.498	10.97	0.89	0.55	-5
												5256.266	328.123	11.16	1.30	1.04	-5
												5267.225	328.807	10.43	0.96	0.65	5
												5270.231	328.995	10.76	1.12	0.88	-5
												5275.193	329.304	11.22	1.07	0.64	6
												5535.405	345.548	10.57	0.77		7
												5555.444	346.799	10.47	1.02		7
												5588.398	347.655	10.50	0.78		7
												5573.414	347.921	10.77	1.14		7
												5574.325	347.978	10.93	1.22		7
												5580.349	348.354	11.16	0.91		7

TABLE 1 (continued)

EK PUP						RV SCO		CONT.			
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4517.227	1720.278	10.65	0.82		7	7460.714	1230.871	7.01	1.01	0.64	1
4533.190	1726.357	10.61	0.82		7	7462.733	1231.204	7.37	1.17	0.79	1
4812.389	1832.684	10.58	0.81		7	7469.774	1232.365	7.50	1.17	0.89	1
4835.257	1841.392	10.51	0.78		7						
4869.269	1854.345	10.54	0.81		7	7470.725	1232.522	7.00	0.92	0.61	1
						7472.738	1232.855	6.95	1.00	0.65	1
4885.246	1860.430	10.56	0.71		-7	7472.815	1232.867	7.02	0.88	0.61	1
4895.226	1864.230	10.72	0.88		7	7523.643	1241.253	7.54	1.27	0.97	1
5223.391	1989.166	10.82	0.91		7						
5547.462	2112.619	10.49	0.81		7						
5573.380	2122.492	10.46	0.76		7						
5512.224	2137.282	10.68	0.84		7						
RV SCO						RY SCO					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4564.437	753.042	7.11	1.08		7	5205.651	256.320	7.65	1.33	0.93	5
4579.342	755.501	7.00	0.90		7	5216.620	256.860	8.34	1.63	1.24	6
4580.385	755.673	6.73	0.84		7	5243.669	258.192	7.63	1.26	0.86	5
4901.548	808.659	6.70	0.81		7	5244.623	258.239	7.50	1.22	0.86	5
4925.461	812.604	6.63	0.76		7	5245.626	258.288	7.59	1.27	0.90	5
4932.328	813.737	6.83	0.90		7	5246.641	258.338	7.06	1.31	0.53	5
5167.651	852.561	6.65	0.80	0.50	5	5250.609	258.534	7.95	1.50	1.15	5
5176.616	854.040	7.14	1.09	0.79	5	5256.541	258.826	8.34	1.70	1.31	5
5177.593	854.201	7.36	1.17	0.87	5	5304.302	261.177	7.69	1.31	1.00	6
5184.644	855.364	7.42	1.17	0.86	5	5305.344	261.229	7.49	1.25	0.95	6
5188.668	856.028	7.13	1.07	0.78	5	5306.311	261.276	7.54	1.25	0.98	6
5195.674	857.184	7.36	1.16	0.88	5	5309.359	261.426	7.77	1.41	1.09	6
5201.619	858.165	7.32	1.15	0.86	5	5310.374	261.474	7.84	1.44	1.11	6
5205.502	858.822	6.93	0.97	0.66	5	7455.780	367.114	8.22	1.44	0.84	1
5208.634	859.322	7.45	1.18	0.89	5	7458.754	367.260	7.56	1.26	0.87	1
5238.564	864.260	7.41	1.18	0.88	5	7472.773	367.950	8.31	1.65		1
5241.571	864.756	6.84	0.92	0.61	5	7533.629	370.947	8.39	1.66	1.20	1
5242.585	864.923	7.05	1.04	0.75	5						
5243.623	865.095	7.25	1.12	0.82	5						
5244.583	865.253	7.40	1.18	0.88	5						
5245.581	865.418	7.35	1.08	0.77	5						
5246.580	865.582	6.66	0.78	0.48	5						
5306.297	875.434	7.27	1.07	0.76	6						
5331.248	879.551	6.73	0.79		7						
5343.222	881.526	6.87	0.87		7						
CO SCO						KQ SCO					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5238.564	864.260	7.41	1.18	0.88	5	4561.488	158.995	9.81	1.95		7
5241.571	864.756	6.84	0.92	0.61	5	4564.428	159.097	9.33	1.71		7
5242.585	864.923	7.05	1.04	0.75	5	4565.469	159.133	10.10	0.42		-7
5243.623	865.095	7.25	1.12	0.82	5	4567.480	159.203	9.51	1.84		7
5244.583	865.253	7.40	1.18	0.88	5	4572.410	159.375	9.77	2.09		7
5245.581	865.418	7.35	1.08	0.77	5	4587.296	159.894	10.21	2.14		7
5246.580	865.582	6.66	0.78	0.48	5	5184.640	180.715	10.26	2.07	1.71	-5
5306.297	875.434	7.27	1.07	0.76	6	5185.662	180.855	10.24	2.06	1.84	-5
5331.248	879.551	6.73	0.79		7	5201.615	181.307	9.70	1.86	1.53	-5
5343.222	881.526	6.87	0.87		7	5241.566	182.699	10.26	2.10	1.86	-5
7063.628	1168.692	6.72	0.84	0.47	1	5242.581	182.735	10.29	2.13	1.74	-5
7087.784	1169.345	7.54	1.20	0.89	1	5243.614	182.771	10.27	2.04	1.70	-5
7094.780	1170.499	7.00	0.94	0.51	1	5244.579	182.004	10.29	2.00	1.67	-5
7099.847	1171.335	7.46	1.18	0.87	1	5245.576	182.839	10.27	1.99	1.60	-5
7100.757	1171.485	7.02	0.95	0.51	1	5246.586	182.874	10.25	2.03	1.56	-5
7102.788	1171.820	6.92	0.98	0.61	1						
7132.714	1176.762	7.00	0.96	0.67	1						
7135.677	1177.246	7.51	1.23	0.91	1						
7142.657	1178.398	7.37	1.13	0.76	1						
7143.643	1178.560	6.72	0.77	0.51	1						
7145.651	1178.898	7.08	1.06	0.70	1						
7147.637	1179.219	7.36	1.16	0.85	1						
7148.630	1179.383	7.42	1.12	0.76	1						
7149.689	1179.558	6.75	0.82	0.49	1						
7453.700	1229.714	6.79	0.93	0.47	1						
7455.733	1230.049	7.12	1.06	0.76	1						
7458.706	1230.540	6.81	0.82	0.53	1						

TABLE 1 (continued)

KQ SCO						500 SCO					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5250.586	183.014	9.81	1.76	1.38	-5	4563.527	489.825	8.65	1.32		7
5251.585	183.048	9.51	1.76		7	4564.476	489.927	8.75	1.40		7
5256.521	183.220	9.53	1.78	1.39	-5	4567.512	490.253	9.10	1.48		7
5277.394	183.948	10.14	1.93	1.72	6	4570.423	490.565	8.56	1.21		7
5281.438	184.089	9.37	1.74		7	4572.448	490.782	8.61	1.29		7
5285.405	184.227	9.56	1.89		7	4906.597	526.648	8.47	1.16		7
5308.372	185.028	9.65	1.83		7	4907.418	526.736	8.49	1.22		7
5309.267	185.059	9.46	1.66	1.33	6	4925.472	528.674	8.40	1.16		7
5309.284	185.060	9.46	1.76		7	4943.305	530.580	8.58	1.21		7
5310.262	185.094	9.38	1.73		7	5201.646	558.317	9.00	1.26	1.01	5
5311.281	185.129	9.38	1.65	1.36	6	5205.637	558.746	8.48	1.20	0.86	5
470 SCO						5216.608	559.923	8.77	1.40	1.09	6
J.D.	CYCLES	V	B-V	U-B	RF	5243.660	562.827	8.66	1.30	0.97	5
4563.517	280.633	10.83	2.31		7	5244.620	562.930	8.75	1.35	1.03	5
4564.448	280.691	10.86	2.30		7	5245.600	563.035	8.93	1.45	1.13	5
4575.440	281.366	10.83	2.14		7	5248.659	563.149	9.09	1.49	1.18	5
4576.403	281.426	10.50	2.04		7	5250.598	563.572	8.57	1.20	0.87	5
4577.462	281.491	10.59	2.07		7	5256.536	564.209	9.14	1.47	1.16	5
4578.400	281.548	10.67	2.14		7	5304.275	569.333	8.94	1.36	1.02	6
4950.345	304.421	10.53	2.02		7	5305.333	569.446	8.64	1.22	0.89	6
5308.386	326.439	10.49	2.02		7	5306.305	569.551	8.58	1.22	0.93	6
5372.246	330.366	10.83	2.21		7	5309.355	569.878	8.70	1.35	1.06	6
482 SCO						5310.329	569.982	8.85	1.40	1.11	6
J.D.	CYCLES	V	B-V	U-B	RF	7083.265	760.345	8.85	1.32	0.93	1
4579.396	1011.395	7.84	0.98		7	7100.864	762.169	9.11	1.52	1.23	1
4585.340	1012.708	8.14	1.13		7	7142.664	766.656	8.44	1.20	0.80	1
4586.333	1012.928	8.27	1.14		7	7143.739	766.771	8.56	1.27	0.95	1
4587.341	1013.150	7.68	0.83		7	7145.667	766.978	8.90	1.46	1.17	1
4886.580	1079.239	7.66	0.82		7	7147.647	767.191	9.11	1.53	1.22	1
4905.622	1083.445	7.89	0.98		7	7148.645	767.298	9.04	1.44	1.05	1
4931.365	1089.131	7.75	0.86		7	7160.651	768.587	8.62	1.26	0.81	1
4950.435	1093.342	7.76	0.91		7	7453.790	800.051	9.01	1.47	1.16	1
5176.637	1143.301	7.68	0.88	0.60	5	7455.772	800.263	9.07	1.52	1.17	1
5201.672	1143.830	8.22	1.14	0.83	5	7458.744	800.562	8.62	1.24	0.88	1
5205.623	1149.703	8.16	1.12	0.84	5	7472.765	802.087	9.00	1.50	1.24	1
5208.648	1150.371	7.90	0.96	0.36	5	7523.663	807.550	8.67	1.26	0.93	1
5238.589	1156.983	8.22	1.10	0.77	5	7533.636	808.621	8.59	1.22	0.86	1
5243.651	1158.101	7.86	0.90	0.59	5	542 SCO					
5244.606	1158.312	7.71	0.89	0.58	5	J.D.	CYCLES	V	B-V	U-B	RF
5245.622	1158.537	8.01	1.05	0.77	5	4570.410	299.935	13.23	0.71		7
5246.646	1158.763	8.20	1.13	0.83	5	4572.433	300.068	12.55	0.78		7
5256.657	1160.974	8.20	1.11	0.80	5	4573.386	300.130	12.69	0.96		7
7453.760	1646.221	7.82	0.86	0.49	1	4952.322	324.998	12.72	0.63		7
7455.760	1646.663	9.09	1.08	0.81	1	4953.324	325.064	12.79	0.67		-7
7458.733	1647.319	7.76	0.94	0.58	1	5302.350	347.969	12.88	0.65		7
7462.771	1648.211	7.64	0.83	0.59	1	5303.357	348.036	12.63	0.67		7
7470.746	1649.973	8.41	1.15	0.83	1	636 SCO					
7472.758	1650.417	7.85	0.97	0.63	1	J.D.	CYCLES	V	B-V	U-B	RF
7533.622	1663.859	8.29	1.15	0.82	1	561.521	671.145	6.54	0.93		7
500 SCO						4564.458	671.577	6.91	1.07		7
J.D.	CYCLES	V	B-V	U-B	RF	4579.386	673.773	6.67	0.90		7
4562.477	489.712	8.39	1.16		7	4585.330	674.648	6.89	1.04		7
						4587.314	674.940	6.41	0.78		7

TABLE 1 (continued)

636 SC0		CONT.				X SCT		CONT.			
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4885.522	718.615	6.56	0.85		7	7198.647	1714.751	9.89	1.17	0.80	1
4886.570	718.970	6.44	0.82		7	7200.648	1715.228	10.40	1.35	0.98	1
4901.666	721.191	6.66	0.92		-7	7201.630	1715.462	9.78	1.05	0.69	1
4906.543	721.908	6.40	0.78		7	7455.922	1776.036	10.22	1.33	1.02	1
4907.407	722.035	5.50	0.87		7	7458.874	1776.739	9.90	1.16	0.85	1
5176.632	761.647	6.90	1.05	0.79	5	Y SCT					
5184.661	762.828	6.53	0.85	0.57	5	J.D.	CYCLES	V	B-V	U-B	RF
5201.642	765.327	6.75	1.02	0.76	5	4565.574	441.481	9.37	1.52		7
5205.619	765.912	6.40	0.85	0.53	5	4573.532	442.250	9.54	1.51		7
5208.639	766.356	5.76	1.03	0.76	5	4574.479	442.342	9.51	1.40		7
5236.631	770.475	6.86	1.08	0.82	5	4905.660	474.366	9.21	1.32		7
5238.581	770.762	6.67	0.91	0.63	5	4906.617	474.559	9.37	1.49		7
5241.588	771.204	6.61	0.97	0.72	5	5547.452	479.407	9.24	1.39		7
5242.672	771.364	6.76	1.03	0.77	5	4988.313	482.359	9.27	1.37		7
5243.639	771.506	6.88	1.08	0.81	5	6731.772	650.947	10.02	1.83		2
5244.602	771.647	6.88	1.05	0.77	5	6736.938	651.437	9.34	1.47		2
5245.618	771.797	6.59	0.89	0.60	5	6742.713	652.005	9.97	1.76		2
5246.633	771.946	6.41	0.81	0.54	5	6743.799	652.110	9.77	1.63		2
5256.653	773.421	6.79	1.06	0.79	5	6744.751	652.202	9.58	1.54		2
X SCT						6745.755	652.293	9.52	1.52		2
J.D.	CYCLES	V	B-V	U-B	RF	6746.706	652.391	9.29	1.43		2
4565.563	1087.539	9.52	1.00		7	6747.737	652.491	9.49	1.54		2
4573.521	1089.434	9.88	1.12		7	6749.735	652.684	9.68	1.72		2
4574.467	1099.660	9.71	1.05		7	6753.759	653.073	9.80	1.67		2
4905.646	1168.548	9.53	0.97		7	6755.807	653.271	9.58	1.55		2
4922.541	1172.572	9.55	0.99		7	6757.716	653.456	9.43	1.53		2
5308.512	1264.512	9.53	0.92		7	6758.730	653.554	9.55	1.60		2
5358.255	1276.362	10.25	1.29		7	6793.791	656.944	10.03	1.84	1.48	2
5363.284	1277.559	9.52	0.98		-7	6808.720	658.388	9.17	1.35	0.93	2
6735.758	1604.489	9.62	1.02		2	6811.735	658.679	9.71	1.70	1.32	2
6735.840	1604.509	9.54	0.97		2	6813.658	658.865	9.94	1.84	1.49	2
6736.794	1604.736	9.89	1.16		2	6818.748	659.359	9.21	1.39	0.98	2
6736.912	1604.764	9.93	1.13		2	6833.077	660.743	9.89	1.75	1.47	2
6734.727	1606.626	9.64	1.03		2	6834.660	660.896	9.98	1.84	1.45	2
6745.742	1606.867	10.08	1.24		2	6836.644	661.088	9.79	1.62	1.19	2
6747.730	1607.341	10.34	1.27		2	6845.624	661.956	10.01	1.78	1.46	2
6748.724	1607.579	9.58	1.00		2	6852.650	662.732	9.74	1.74		2
6749.727	1607.817	9.95	1.23		2	7601.585	735.056	9.98	1.68	1.38	1
6753.753	1608.776	9.94	1.15		2	Z SCT					
6759.760	1610.207	10.41	1.34		2	J.D.	CYCLES	V	B-V	U-B	RF
6761.759	1610.683	9.80	1.13		2	4570.504	354.264	9.22	1.19		7
6765.758	1611.635	9.73	1.07		2	4906.628	380.318	9.26	1.24		7
6802.772	1620.452	9.75	1.08	0.68	2	4931.449	392.241	9.16	1.15		7
6806.703	1621.089	10.23	1.24	0.74	2	4943.431	383.170	9.22	1.11		7
6815.740	1623.541	9.48	0.97	0.74	2	5302.414	410.995	9.74	1.41		7
6834.646	1628.045	10.24	1.35	0.95	2	5303.401	411.072	9.65	1.36		7
6834.679	1628.053	10.29	1.31	0.87	2	6731.761	521.785	10.03	1.62		2
6836.637	1629.519	9.53	0.96	0.75	2	6735.756	522.095	9.68	1.32		2
7053.901	1680.273	10.48	1.28	0.98	1	6736.854	522.180	9.17	1.13		2
7130.771	1698.583	9.60	1.02	0.49	1	6742.727	522.635	9.86	1.56		2
7143.775	1701.681	9.74	1.08	0.76	1	6738.849	522.722	10.12	1.61		2
7145.724	1702.145	10.35	1.37	0.97	1	6744.792	522.795	10.22	1.64		2
7148.696	1702.853	10.05	1.22	0.84	1	6745.769	522.871	10.12	1.56		2
7149.719	1703.097	10.26	1.37	0.93	1	6746.721	522.945	9.95	1.49		2
7159.665	1705.466	9.70	1.07	0.69	1						
7162.679	1706.184	10.38	1.36	0.96	1						

TABLE 1 (continued)

Z SCT CONT.						SS SCT CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6747.749	523.025	9.80	1.33		2	3091.908	842.194	8.21	1.01		8
6749.775	523.182	9.16	1.09		2	3092.820	842.443	8.47	1.06		8
6753.791	523.493	9.58	1.47		2	3093.809	842.712	8.33	1.04		8
6757.730	523.798	10.12	1.67		2	3094.814	842.986	8.00	0.88		8
6758.752	523.877	10.08	1.59		2	3095.814	843.258	8.23	1.08		8
6790.855	526.366	9.40	1.31	0.95	2	3096.785	843.523	8.40	1.05		8
						3098.818	844.076	8.11	0.93		8
6802.819	527.293	9.22	1.17	0.99	2						
6811.792	527.989	9.72	1.41	0.98	2	3110.770	848.966	7.97	0.86		8
6814.726	528.177	9.18	1.08	0.71	2	3123.750	850.868	7.98	0.84		8
6833.809	529.695	9.92	1.60	1.49	2	3125.741	851.410	8.42	1.13		8
6834.668	529.762	10.03	1.61	1.51	2	4585.419	1249.007	8.02	0.86		7
						4586.432	1249.283	8.30	1.02		7
6846.613	530.688	9.92	1.63	1.54	2						
6853.661	531.234	9.10	1.17	0.82	2	4587.415	1249.550	8.45	1.07		7
7601.591	589.207	9.06	1.06	0.83	1	4968.336	1358.756	8.32	0.92		7
						4989.332	1359.027	8.06	0.89		7
						5201.666	1416.864	7.99	0.83	0.53	5
						5238.630	1426.932	7.96	0.84	0.55	5
						5256.631	1431.836	3.06	0.85	0.54	5
5309.401	269.543	9.87	1.86		7	5304.386	1444.844	8.00	0.85	0.52	6
5310.379	269.592	9.67	1.75		7	5305.401	1445.120	8.15	0.77	0.65	6
5323.346	270.505	9.88	1.89		7	5306.341	1445.376	8.37	1.07	0.76	6
5331.335	270.659	8.87	1.38		7	5309.427	1446.217	8.22	1.00	0.68	6
5626.432	285.637	9.15	1.48		7						
						5310.440	1446.493	8.44	1.09	0.76	6
5627.465	285.690	8.89	1.41		7	5315.420	1447.849	7.99	0.85		7
5628.567	285.746	9.04	1.50		7	5624.585	1532.061	8.10	0.90		7
5629.519	285.794	9.14	1.54		7	5627.470	1532.847	8.02	0.84		7
5630.507	285.844	9.19	1.64		7	5631.450	1533.931	8.00	0.85		7
6735.858	341.960	9.37	1.75		2						
						7099.940	1933.928	7.96	0.83	0.50	1
6736.844	342.010	9.47	1.85		2	7100.917	1934.195	8.21	1.02	0.64	1

TABLE 1 (continued)

TY SCT						CM SCT					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
6817.681	616.816	11.00	1.98	1.53	2	4578.528	1168.812	10.77	1.25		7
						4579.531	1169.069	11.05	1.43		7
6818.670	616.906	11.14	1.94	1.60	2	4950.495	1263.768	10.82	1.28		7
6833.685	618.264	10.09	1.64	1.20	2	5315.383	1356.917	10.88	1.31		7
6834.860	618.352	10.47	1.57	1.17	2	5331.420	1361.011	10.94	1.38		7
6845.636	619.345	10. +	1.57	1.20	2						
6846.648	619.437	10.34	1.51	1.13	2	5343.283	1364.039	10.95	1.38		7
						5612.509	1422.768	10.83	1.30		7
6852.618	619.977	11.18	2.03		2	5623.525	1435.580	11.35	1.47	-7	
6853.655	620.071	11.09	1.81		2	5628.577	1436.870	10.84	1.28		7
6856.601	620.357	10.60	1.59		2	5639.506	1439.660	11.13	1.41		7
						5640.547	1439.925	10.91	1.31		7
UZ SCT						LV SCT					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4567.573	309.788	10.80	1.60		7	4050.728	1957.911	10.11	1.17	0.87	13
4568.522	309.852	10.82	1.67		7	6051.697	1958.225	10.25	1.22	0.91	13
4579.520	310.598	11.40	1.83		7	6106.680	1976.919	10.25	1.19	0.89	13
4950.477	335.758	10.98	1.72		7	5107.625	1976.322	10.23	1.18	0.90	13
4980.387	337.786	10.85	1.63		7	5108.618	1976.643	10.00	1.08	0.86	13
5364.253	363.821	10.79	1.65		7	4120.616	1980.526	10.07	1.09	0.89	13
5365.241	363.868	10.83	1.72		7	6120.674	1980.544	10.09	1.10	0.90	13
5612.482	380.657	11.37	1.89		7	6121.636	1980.856	10.07	1.14	0.86	13
5627.446	381.672	11.35	1.86		7	6121.677	1980.867	10.11	1.15	0.90	13
5628.556	381.747	11.18	1.77		7	6128.622	1983.116	10.29	1.19	0.97	13
5629.500	381.811	10.86	1.68		7	6128.621	1983.117	10.27	1.23	0.92	13
5630.489	381.878	10.82	1.70		7						
5631.409	381.941	10.98	1.79		7	CR GLP					
7159.694	485.594	11.52	2.02	1.76	1	J.D.	CYCLES	V	B-V	U-B	RF
7167.695	485.793	10.98	1.72	1.34	1						
						4565.530	861.323	10.74	1.36		7
7198.661	488.237	11.36	2.07	1.90	1	4575.498	863.204	11.22	1.78		7
7200.664	488.373	11.62	2.11	1.95	1	4925.490	929.233	11.15	1.74		7
7201.640	488.439	11.67	2.13	1.87	1	4989.296	941.270	11.01	1.70		7
7226.632	490.134	11.22	2.01	1.61	1	5302.383	1000.336	10.76	1.59		7
7455.933	505.686	11.39	1.89	1.61	1						
						5303.386	1000.526	10.61	1.55		7
7658.883	505.886	10.81	1.81	1.43	1	5308.455	1001.482	10.56	1.48		7
7623.738	510.285	11.53	2.12	1.81	1	5625.534	1061.201	10.98	1.64		7
7671.563	515.563	11.63	2.07	1.66	1	5626.421	1061.459	10.55	1.50		7
						5631.396	1062.407	10.54	1.45		7
						5641.463	1064.367	10.96	1.67	-7	
						7016.003	1323.624	10.68	1.62	1.27	1
						7022.966	1324.938	10.99	1.9	1.24	1
						7083.976	1336.439	10.50	1.45	0.90	1
						7087.774	1337.165	11.32	1.86	1.39	1
						7455.874	1404.610	10.64	1.55	1.22	1
						7458.827	1407.167	11.26	1.83	1.40	1
CK SCT						S SCT					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4574.493	616.874	10.41	1.48		7						
4989.307	672.812	10.36	1.47		7	2772.788	330.796	5.43	0.76		8
5315.317	716.775	10.40	1.50		7	2773.778	330.815	5.51	0.80		8
5331.383	718.942	10.43	1.54		7	2779.816	331.635	5.32	0.67		8
5623.550	758.341	10.75	1.75		7	2780.792	331.751	5.49	0.74		8
						2784.767	332.228	6.01	1.06		8
5627.457	758.86	10.42	1.50		7	2789.863	332.833	5.39	0.72		8
5628.580	759.020	10.49	1.60		7						
5629.511	759.144	10.60	1.63		7						
5630.459	759.278	10.68	1.69		7						
5631.449	759.402	10.65	1.72		7						
5636.466	760.082	10.53	1.64		7						
5638.456	760.491	10.87	1.73		7						
5640.536	760.631	10.70	1.60		7						
5641.474	760.758	10.44	1.52		7						

TABLE 1 (continued)

S SGE CONT.						S SGE CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
2790.840	332.950	5.65	0.38		8	7521.824	897.361	6.00	0.96	0.71	1
2791.844	333.070	5.80	0.99		8	7522.841	897.482	5.66	0.78	0.54	1
3102.809	370.168	5.95	1.04		8						
3103.816	370.288	6.05	1.07		8						
						U SGR					
3116.844	371.843	5.37	0.73		8	J.D.	CYCLES	V	B-V	U-B	RF
3131.795	373.626	5.32	0.66		8	3094.855	458.842	6.66	1.19		8
3132.740	373.739	5.47	0.73		8	3095.840	458.988	6.86	1.01		8
3133.752	373.860	5.43	0.72		8	3096.826	459.154	6.98	1.32		8
3134.782	373.963	5.70	0.90		8	3098.840	459.433	6.49	0.98		8
						3119.785	462.538	6.30	0.89		8
3136.778	374.221	6.00	1.05		8	3123.781	463.101	6.99	1.32		8
3137.755	374.337	5.09	1.02		8	3125.769	463.425	6.53	0.98		8
3152.783	376.130	5.90	1.01		8	3126.764	463.573	6.36	0.94		8
3153.785	376.256	6.01	1.06		8	3145.707	466.381	6.69	1.03		8
3154.799	376.371	5.97	0.97		8	3146.719	466.531	6.28	0.88		8
3158.700	376.836	5.40	0.72		8	3147.726	466.681	6.49	1.01		8
3159.722	376.958	5.67	0.89		8	3148.736	466.830	5.59	1.11		8
3173.680	379.220	5.99	1.05		8	3151.694	467.269	6.97	1.20		8
3179.674	379.338	6.07	1.02		8	3152.696	467.418	6.54	0.99		3
3180.674	379.458	5.81	0.85		8	3153.700	467.566	6.30	0.93		8
3200.661	381.842	5.40	0.72		8	3154.698	467.714	6.50	1.06		3
3206.667	382.559	5.40	0.69		8	4585.408	679.831	6.64	1.13		7
5238.671	624.579	5.69	0.90	0.66	5	4586.424	679.982	6.85	1.22		7
5242.621	625.450	5.75	0.86	0.59	5	4587.404	680.127	7.01	1.30		7
5256.580	627.115	5.83	1.00	0.77	5	4901.680	726.721	6.64	1.03		7
5292.481	631.398	5.86	0.94	0.69	5	4906.648	727.458	6.50	0.95		7
5302.541	632.598	5.27	0.62		7	4907.474	727.580	6.42	0.94		7
5303.619	632.703	5.42	0.73		7	4914.455	728.615	6.45	1.00		7
5305.440	632.944	5.60	0.88	0.63	6	4947.439	733.505	5.33	0.89		7
5306.401	633.059	5.76	0.96	0.72	6	4953.497	734.403	6.71	1.06		7
5309.395	633.416	5.88	0.92	0.65	6	5244.675	777.574	6.40	0.93	0.62	5
5310.410	633.527	5.43	0.71	0.45	6	5246.681	777.871	6.72	1.13	0.80	5
5328.412	635.685	5.36	0.68		7	5250.615	778.454	6.54	0.98	0.66	5
5348.243	636.063	5.76	0.96		7	5256.557	779.335	6.96	1.18	0.85	5
5349.280	638.174	5.95	1.01		7	5270.424	781.391	6.76	1.09	0.75	5
5358.353	639.257	6.00	1.03		7	5273.448	781.839	6.68	1.12	0.81	6
5363.313	639.849	5.33	0.72		7	5273.582	781.859	6.70	1.16	0.84	6
5364.319	639.969	5.65	0.58		7	5274.430	781.985	6.91	1.23	0.91	6
5652.414	674.339	5.96	1.00		7	5275.584	782.008	6.91	1.23	0.93	6
5654.422	674.578	5.27	0.58		7	5275.381	782.126	7.02	1.28	1.01	6
5661.435	675.415	5.90	0.90		7	5275.445	782.284	7.10	1.25	0.96	6
5669.468	676.373	5.98	0.95		7	5276.578	782.303	7.06	1.24	0.97	6
5678.440	677.444	5.78	0.89		7	5277.369	782.421	6.70	1.04	0.70	6
5687.442	678.518	5.53	0.70		7	5277.572	782.451	6.56	1.00	0.65	6
5688.321	678.622	5.15	0.58		7	5278.390	782.572	6.41	0.95	0.62	6
7050.961	841.187	5.96	1.04	0.80	1	5278.578	782.600	6.43	0.97	0.63	6
7132.864	850.958	5.67	0.89	0.59	1	5304.247	786.406	6.74	1.08	0.72	6
7147.773	852.736	5.45	0.72	0.47	1	5304.493	786.442	6.60	1.00	0.67	6
7148.856	852.866	5.40	0.73	0.48	1	5305.267	786.557	6.37	0.94	0.62	6
7149.872	852.987	5.69	0.91	0.54	1	5305.463	786.586	5.42	0.97	0.63	6
7142.752	854.523	5.39	0.70	0.41	1	5306.255	786.703	5.58	1.06	0.74	6
7178.733	856.430	5.80	0.86	0.54	1	5305.510	786.741	6.65	1.10	0.78	6
7202.709	859.290	6.02	1.02	0.77	1	5309.721	787.147	7.06	1.28	1.03	6
7205.697	859.646	5.31	0.66	0.47	1	5309.491	787.183	7.10	1.30	1.03	6
7206.721	859.769	5.42	0.74	0.49	1	5310.256	787.297	7.08	1.24	0.93	6
7215.447	860.834	5.37	0.74	0.43	1	5310.497	787.332	6.99	1.18	0.86	6
7251.954	887.026	5.71	0.93	0.67	1						
7510.829	896.765	5.48	0.76	0.43	1						

TABLE 1 (continued)

U SGR						U SGR					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5311.242	787.443	6.58	1.00	0.65	6	7104.802	1053.355	6.95	1.21	0.76	19
5635.759	835.556	5.34	0.88	0.71	18	7105.825	1053.507	6.37	0.93	0.56	19
5637.958	835.882	6.60	1.11	0.81	18	7105.906	1053.519	6.37	0.92	0.59	19
5981.907	86.875	6.65	1.14	0.81	18	7106.745	1053.643	6.45	1.00	0.64	19
5995.950	888.957	6.79	1.20	0.87	18	7106.833	1053.650	6.50	1.00	0.67	19
5996.754	889.082	5.94	1.30	1.00	18	7107.752	1053.793	6.65	1.10	0.79	19
6000.771	889.372	5.48	1.04	0.73	18	7107.772	1053.796	6.64	1.13	0.80	19
6004.756	890.263	7.04	1.31	0.97	18	7108.791	1053.947	6.80	1.23	0.86	19
6005.742	890.409	6.71	1.05	0.70	18	7108.811	1053.950	6.78	1.20	0.87	19
6009.742	891.002	6.90	1.24	0.91	18	7108.843	1053.954	6.76	1.21	0.84	19
6009.809	891.012	6.87	1.25	0.94	18	7109.761	1054.050	6.95	1.27	0.96	19
6012.832	891.460	6.51	0.95	0.63	16	7111.737	1054.383	6.81	1.13	0.73	19
6014.840	891.758	6.64	1.10	0.72	18	7111.841	1054.399	6.77	1.12	0.72	19
6026.783	893.529	6.36	0.95	0.61	18	7112.715	1054.428	6.35	0.91	0.60	19
6760.822	1002.357	6.94	1.14	0.85	21	7112.830	1054.546	6.36	0.92	0.59	19
6762.790	1002.649	6.47	0.99	0.71	21	7113.725	1054.678	6.50	1.04	0.69	19
6763.70	1002.784	6.66	1.08	0.76	21	7113.796	1054.689	6.50	1.06	0.70	19
6778.711	1005.010	6.82	1.28	0.92	21	7114.710	1054.824	6.65	1.12	0.79	19
6778.811	1005.024	6.89	1.23	0.92	21	7114.793	1054.837	6.64	1.14	0.80	19
6778.836	1005.028	6.87	1.23	0.92	21	7115.735	1054.976	6.84	1.23	0.89	19
6779.689	1005.154	7.01	1.28	0.94	21	7115.802	1054.986	6.82	1.27	0.89	19
6779.778	1005.167	7.00	1.20	0.94	21	7130.762	1057.204	7.11	1.31	1.05	-1
6779.824	1005.174	7.02	1.29	0.99	21	7143.783	1059.155	7.00	1.28	1.02	1
6783.710	100.750	6.67	1.17	0.80	21	7145.740	1059.425	6.71	1.06	0.71	1
6783.758	1005.757	6.67	1.15	0.82	21	7148.717	1059.866	6.65	1.14	0.79	1
6785.669	1006.041	6.88	1.26	0.92	21	7149.733	1060.017	6.86	1.24	0.93	1
6786.692	1006.192	7.05	1.29	1.02	21	7162.669	1061.935	6.84	1.10	0.81	1
6786.742	1006.200	7.03	1.29	1.01	21	7204.606	1068.152	7.09	1.31	1.03	1
6787.673	1006.338	6.95	1.19	0.85	21	7237.570	1073.039	6.90	1.25	0.98	1
6787.731	1006.346	6.93	1.13	0.83	21	7239.565	1073.335	6.99	1.21	0.88	1
6816.666	1010.636	6.44	1.00	0.66	21	7516.645	1114.415	6.68	1.09	0.69	1
6817.675	1010.786	6.65	1.06	0.80	21	7516.737	1114.429	6.72	1.07	0.71	1
6819.651	1011.079	6.92	1.26	0.96	21	7518.733	1114.725	6.62	1.08	0.76	1
7051.933	1045.517	5.37	0.94	0.56	1	7523.729	1115.465	6.60	1.03	0.65	1
7073.767	1048.754	6.60	1.13	0.75	19	7531.610	1116.930	6.73	1.18	0.85	1
7073.786	1048.757	6.60	1.11	0.76	19	7533.689	1116.942	6.75	1.19	0.86	1
7073.821	1048.762	6.60	1.13	0.75	19	7539.747	1117.840	6.65	1.24	0.77	1
7073.856	1048.767	6.61	1.13	0.76	19	7539.756	1117.841	6.57	1.19	0.84	1
7073.907	1048.775	6.63	1.14	0.75	19	7539.764	1117.843	6.59	1.19	0.86	1
7075.762	1049.050	6.89	1.26	0.93	19	7540.656	1117.975	6.86	1.23	0.93	1
7075.799	1049.055	6.90	1.27	0.96	19						
7075.840	1049.061	6.91	1.28	0.94	19						
7075.882	1049.068	6.91	1.29	0.95	19						
7075.913	1049.072	6.92	1.28	0.96	19						
7077.776	1049.348	6.96	1.21	0.79	19						
7077.807	1049.353	6.93	1.21	0.80	19						
7077.933	1049.372	6.87	1.15	0.78	19						
7079.795	1049.648	6.46	0.99	0.63	19						
7079.905	1049.664	6.45	1.05	0.65	19						
7080.795	1049.795	6.63	1.15	0.79	19						
7080.907	1049.813	6.64	1.15	0.77	19						
7091.885	1051.440	6.64	1.03	0.65	1						
7093.843	1051.731	6.5	1.10	0.79	1						
7094.826	1051.876	6.65	1.16	0.80	1						
7099.895	1052.628	6.43	0.99	0.64	1						
7102.894	1053.072	6.91	1.27	0.95	1						
7104.755	1053.348	6.96	1.22	0.82	19						
						</					

TABLE 1 (continued)

W		SGR		CONT.			X		SGR		CONT.		
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF		
4587.370	604.022	4.32	0.50		7	4602.038	656.247	4.71	0.90			9	
4602.048	605.954	4.43	0.66		9	4603.051	656.392	4.86	0.92			9	
						4848.115	691.338	4.81	0.93			9	
4603.055	606.087	4.35	0.65		9	4868.254	694.209	4.71	0.88			9	
4848.118	638.355	4.54	0.80		9								
4868.258	641.006	4.29	0.59		9	4869.102	694.330	4.79	0.93			9	
4869.111	641.119	4.39	0.68		9	4673.109	694.902	4.36	0.73			9	
4873.102	641.644	5.02	1.02		9	4903.083	699.176	4.58	0.87			9	
						4918.045	701.310	4.82	0.91				
4903.102	645.594	4.91	0.98		9	4921.144	701.751	4.24	0.61			9	
4918.040	647.561	4.90	0.96		9								
4921.150	647.971	4.39	0.60		9	4925.065	702.311	4.80	0.95			9	
4925.060	648.486	4.82	0.94		9	4951.038	706.014	4.47	0.76			9	
4951.043	651.907	4.66	0.72		9	4959.951	707.285	4.78	0.91			9	
						5002.987	713.422	4.77	0.94			9	
4959.944	653.079	4.34	0.63		9	5012.997	714.850	4.28	0.68			9	
5002.980	658.745	4.96	1.00		9								
5012.992	660.064	4.27	0.62		9	5013.967	714.988	4.42	0.76			9	
5013.974	660.193	4.52	0.71		9	5014.948	715.128	4.55	0.87			9	
5014.956	660.322	4.49	0.77		9	5176.642	738.185	4.68	0.86	0.58		5	
						5184.665	739.329	4.81	0.91	0.65		5	
5201.685	684.909	4.69	0.72	0.46	5	5195.679	740.900	4.41	0.70	0.44		5	
5208.677	685.830	4.97	0.87	0.61	5								
5236.644	689.512	4.86	0.92	0.69	5	5201.680	741.756	4.26	0.62	0.35		5	
5238.613	689.771	5.08	0.95	0.71	5	5205.633	742.319	4.82	0.91	0.64		5	
5242.677	690.306	4.51	0.74	0.49	5	5208.651	742.750	4.27	0.62	0.35		5	
						5236.638	746.741	4.26	0.61	0.35		5	
5243.673	690.438	4.82	0.88	0.64	5	5238.610	747.022	4.52	0.78	0.51		5	
5244.640	690.565	4.93	0.94	0.71	5								
5246.664	690.831	4.97	0.86	0.60	5	5243.655	747.741	4.25	0.60	0.34		5	
5256.671	692.149	4.48	0.68	0.44	5	5244.615	747.878	4.34	0.68	0.41		5	
5304.328	698.424	4.78	0.88	0.58	6	5245.596	748.018	4.51	0.77	0.50		5	
						5246.667	748.171	4.66	0.84	0.56		5	
5305.353	698.559	4.89	0.94	0.71	6	5251.608	748.871	4.79	0.65			7	
5306.314	698.686	5.07	1.00	0.77	6								
5308.055	698.915	4.63	0.73		9	5256.662	749.596	4.64	0.76	0.48		5	
5309.366	699.087	4.36	0.61	0.36	5	5285.421	753.697	4.28	0.60			7	
5310.342	699.216	4.24	0.73	0.46	6	5304.271	756.385	4.64	0.93	0.66		6	
						5305.329	756.536	4.79	0.85	0.55		6	
7053.931	928.795	5.10	0.92	0.61	1	5308.039	756.922	4.34	0.74			9	
7056.941	929.192	4.63	0.72	0.40	1								
7083.874	932.738	5.04	0.91	0.65	1	5573.639	794.797	4.26	0.62			7	
7091.858	933.789	5.08	0.90	0.64	1	5628.440	802.611	4.59	0.71			7	
7093.828	934.149	4.33	0.55	0.37	1	5643.353	804.738	4.24	0.59			7	
						5644.240	804.864	4.30	0.67			7	
7094.810	934.178	4.49	0.70	0.41	1	7053.938	1005.886	4.40	0.70	0.36		1	
7095.869	934.844	4.94	0.83	0.51	1								
7100.872	934.976	4.38	0.55	0.31	1	7056.948	1006.315	4.92	0.91	0.55		1	
7102.880	935.240	4.52	0.71	0.44	1	7083.856	1010.152	4.53	0.83	0.44		1	
7453.943	981.465	4.68	0.87	0.54	1	7091.850	1011.292	4.51	0.90	0.57		1	
						7093.815	1011.573	4.71	0.79	0.65		1	
7455.853	981.717	5.07	0.97	0.73	1	7094.804	1011.714	4.25	0.60	0.33		1	
7458.819	982.107	4.41	0.63	0.44	1								
7471.835	983.821	5.09	0.89	0.63	1	7099.862	1012.435	4.92	0.92	0.62		1	
7523.684	990.648	5.11	1.00	0.77	1	7100.854	1012.576	4.67	0.77	0.39		1	
7533.676	991.964	4.48	0.61	0.35	1	7102.874	1012.864	4.30	0.65	0.39		1	
						7132.774	1017.128	4.65	0.85	0.51		1	
						7458.811	1063.621	4.56	0.73	0.45		1	
						7523.677	1072.871	4.40	0.70	0.47		1	
						7533.669	1074.296	4.82	0.90	0.58		1	

TABLE 1 (continued)

Y		SGR		CONT.			VY		SGR		CONT.		
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF		
3093.835	535.882	6.05	1.08		8	7523.701	554.915	11.04	1.79	1.42	1		
3094.833	536.055	5.54	0.75		8								
3095.830	536.228	5.47	0.74		6								
							W2	SGR					
3096.812	536.398	5.66	0.89		8								
3116.795	539.859	6.07	1.08		8	J.D.	CYCLES	V	B-V	U-B	RF		
3122.765	540.893	6.05	1.06		8								
3123.766	541.067	5.48	0.75		8	3092.854	141.551	8.37	1.71		8		
3125.760	541.412	5.67	0.91		8	3093.340	141.596	8.36	1.73		8		
						3094.840	141.642	8.42	1.74		8		
3126.750	541.583	5.86	0.99		8	3095.833	141.688	8.44	1.69		8		
3146.708	545.040	5.50	0.84		8	3096.819	141.733	8.41	1.64		8		
3147.717	545.215	5.48	0.71		8								
3148.728	545.390	5.65	0.86		8	3098.837	141.825	8.35	1.52		8		
3151.690	545.903	6.02	1.04		8	3116.799	142.647	8.31	1.72		8		
						3123.771	142.966	7.64	1.21		8		
3153.730	546.257	5.47	0.75		6	3126.760	143.103	7.53	1.17		8		
3154.724	546.429	5.68	0.91		8	3145.704	143.970	7.63	1.07		8		
4579.494	793.215	5.40	0.70		7								
4585.398	794.235	5.46	0.73		7	3146.753	144.018	7.40	1.04		8		
4586.415	794.411	5.68	0.87		7	3147.764	144.064	7.48	1.10		8		
						3148.774	144.111	7.55	1.17		8		
4587.389	794.580	5.86	0.97		7	3151.733	144.246	7.75	1.44		8		
4947.431	856.943	5.94	0.92		7	3152.726	144.291	7.84	1.47		8		
5208.673	902.193	5.43	0.72	0.46	5								
242.689	908.084	5.46	0.71	0.44	5	3153.733	144.338	7.91	1.52		8		
5244.664	908.427	5.72	0.91	0.65	5	3154.730	144.383	8.01	1.58		8		
						4563.567	208.832	8.84	1.54		-7		
5256.564	910.488	5.76	0.95	0.69	5	4565.549	208.952	7.87	1.25		7		
5304.355	918.766	6.07	1.04	0.79	6	4568.477	209.086	7.69	1.05		-7		
5305.377	918.943	6.01	0.96	0.65	6								
5306.364	919.114	5.40	0.69	0.41	6	4572.514	209.271	7.91	1.47		7		
5309.479	919.653	5.98	1.02	0.74	6	4573.488	209.316	7.95	1.54		7		
						4575.539	209.410	8.15	1.54		7		
5310.378	919.809	6.09	1.05	0.77	6	4579.480	209.590	8.45	1.72		7		
5358.245	922.100	5.38	0.67		7	4585.385	209.860	8.31	1.54		7		
5363.275	928.971	5.35	0.89		-7								
5364.242	929.139	5.35	0.65		7	4586.405	209.907	8.28	1.50		7		
7048.978	1220.951	5.97	0.97	0.62	1	4901.653	224.335	9.01	1.51		-7		
						4941.218	226.146	7.66	1.30		7		
7053.955	1221.813	6.15	1.07	0.76	1	4943.417	226.246	7.81	1.45		7		
7082.927	1226.832	6.07	1.05	0.78	1	4961.353	227.067	7.57	1.12		7		
7091.876	1228.382	5.64	0.88	0.56	1								
7093.836	1228.721	6.03	1.03	0.80	1	5201.659	238.065	7.51	1.11	0.79	5		
7094.823	1228.892	6.10	1.32	0.72	1	5244.659	240.033	7.47	1.07	0.75	5		
						5246.689	240.126	7.64	1.22	0.92	5		
7099.898	1229.769	6.06	1.05	0.76	1	5256.635	240.582	8.47	1.70	1.41	5		
7100.896	1229.944	5.97	0.96	0.62	1	5304.351	242.765	8.53	1.63	1.48	6		
7102.887	1230.289	5.54	0.79	0.50	1								
7130.749	1235.115	5.42	0.63	0.43	1	5305.369	242.812	8.44	1.56	1.34	6		
7132.810	1235.472	5.80	0.94	0.66	1	5306.357	242.857	8.35	1.49	1.23	6		
						5309.376	242.975	7.55	1.12		7		
7455.904	1291.435	5.72	0.90	0.64		5309.468	243.000	7.55	1.13	0.81	6		
7523.718	1303.161	5.46	0.73	0.50		5310.366	243.041	7.53	1.09		-7		
	VY	SGR				5310.372	243.041	7.46		0.91	6		
						7100.889	324.988	7.56	1.2	0.79	1		
J.D.	CYCLES	V	B-V	U-B	RF	7130.740	326.354	8.07	1.59	1.50	1		
4567.557	336.883	10.86	1.71		7	7143.768	326.950	7.90	1.25	0.95	1		
4568.455	336.949	11.00	1.81		7	7145.717	327.040	7.48	1.12	0.81	1		
5623.510	414.765	11.68	2.07		7								
5624.559	414.843	11.29	1.91		-7	7148.660	327.174	7.71	1.33	1.05	1		
5636.454	415.770	11.69	2.04		7	7149.704	327.222	7.31	1.41	1.21	1		
						7226.570	330.740	8.57	1.71	1.70	1		
5637.418	415.791	11.63	1.98		7	7455.897	341.236	7.02	1.42	1.24	1		
7143.749	526.691	10.67	1.78	1.27	1	7458.856	341.371	8.10	1.60	1.48	1		
7226.580	533.000	11.13	1.92	1.35	1								
						7523.712	344.339	8.06	1.57	1.40	1		

TABLE 1 (continued)

[illegible]

TABLE 1 (continued)

AY SGR CONT.						BB SGR CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4929.486	750.349	10.40	1.51		7	6807.787	1025.734	7.23	1.16	0.85	2
4961.391	755.206	10.19	1.33		7	6833.693	1029.637	7.18	1.09	0.87	2
5302.401	807.113	10.13	1.33		7	6836.651	1030.083	6.65	0.84	0.60	2
5308.499	808.041	10.45	1.45		7	6856.616	1033.091	6.71	0.86		2
5309.387	808.176	10.16	1.36		7	7091.892	1068.540	7.09	1.12	0.83	1
6790.790	1033.670	10.75	1.70	1.26	2	7093.850	1068.835	7.22	1.12	0.82	1
6793.714	1034.115	10.14	1.35	0.79	2	7094.836	1068.984	6.82	0.92	0.56	1
6802.712	1035.485	10.53	1.59	1.17	2	7099.901	1069.747	7.27	1.16	0.90	1
6806.679	1036.089	10.28	1.33	0.92	2	7102.901	1070.199	6.75	0.93	0.61	1
6807.733	1036.249	10.20	1.42	0.90	2	7130.776	1074.399	6.98	1.05	0.76	1
6808.694	1036.396	10.44	1.50	1.13	2	7132.820	1074.707	7.34	1.17	0.98	1
6809.677	1036.545	10.56	1.59	1.22	2	7143.672	1076.342	6.89	1.03	0.71	1
6810.670	1036.696	10.78	1.66	1.41	2	7145.733	1076.653	7.22	1.18	0.90	1
6811.721	1036.856	10.94	1.75	1.25	2	7148.795	1077.100	6.68	0.85	0.52	1
6812.700	1037.005	10.68	1.59	1.12	2	7149.726	1077.254	6.83	0.97	0.66	1
6813.649	1037.150	10.08	1.31	0.91	2	7515.731	1132.401	6.89	1.04	0.76	1
6817.655	1037.760	10.84	1.73	1.52	2						
6818.656	1037.912	10.86	1.70	1.31	2	350 SGR					
6820.625	1038.212	10.17	1.36	0.95	2	J.D.	CYCLES	V	B-V	U-B	RF
6833.637	1040.192	10.18	1.32	0.91	2	3092.872	600.064	7.59	1.04		8
						3093.858	600.255	7.75	1.12		8
						3094.860	600.449	7.56	0.98		8
						3095.854	600.642	7.01	0.76		8
						3096.840	600.834	7.24	0.92		8
						3098.854	601.224	7.71	1.11		8
						3145.719	610.317	7.73	1.13		8
						3146.729	610.513	7.26	0.80		8
						3147.743	610.709	7.15	0.80		8
						3148.746	610.904	7.38	0.94		8
						3152.698	611.671	7.03	0.76		8
						3153.708	611.867	7.32	0.94		8
						3154.705	612.060	7.56	1.04		8
						4585.432	889.643	7.11	0.74		7
						4586.441	889.839	7.36	0.91		7
						4587.424	890.029	7.61	1.02		7
						4914.468	953.480	7.51	0.91		7
						4925.475	955.628	7.13	0.72		7
						4931.470	956.777	7.31	0.87		7
						4988.344	967.814	7.36	0.89		7
						5244.682	1017.547	7.21	0.78	0.49	5
						5256.702	1019.679	7.44	0.96	.68	5
						5302.480	1028.761	7.28	0.97		7
						5304.365	1029.177	7.08	1.06	0.76	6
						5305.382	1029.324	7.84	1.08	0.78	6
						5306.367	1029.515	7.35	0.84	0.52	6
						5309.404	1030.120	7.69	1.06	0.76	6
						5310.382	1030.294	7.80	1.09	0.79	5
						5358.263	1039.584	7.11	0.72		7
						5359.236	1039.772	7.32	0.87		7
						7094.903	1376.518	7.31	0.82	0.47	1
						7099.926	1377.492	7.42	0.87	0.49	1
						7100.910	1377.683	7.19	0.81	0.49	1
						7143.790	1386.003	7.56	1.01	0.71	1
						7148.724	1336.960	7.52	1.02	0.65	1
						7149.739	1387.157	7.72	1.07	0.74	1

TABLE 1 (continued)

350 SGR						741 SGR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7159.704	1389.090	7.65	1.08	0.72	1	4572.529	301.698	11.29	1.79		7
7162.704	1389.672	7.20	0.80	0.45	1	4573.500	301.762	11.29	1.81		7
7226.600	1402.069	7.63	1.06	0.68	1	4950.457	326.634	11.07	1.69		-7
7233.574	1403.422	7.70	0.98	0.64	1	4980.373	328.607	11.22	1.72		7
						5331.300	351.762	11.23	1.81		7
7239.572	1404.586	7.13	0.72	0.45	1						
7255.962	1446.569	7.11	0.73	0.48	1	5343.254	352.550	11.30	1.79		7
7418.901	1447.139	7.73	1.09	0.76	1						
7533.185	1461.648	7.16	0.77	0.52	1						
626 SGR						ST TAU					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4562.535	170.594	11.98	0.79		7	4784.273	1185.920	8.42	0.99		7
4564.562	170.670	12.22	0.91		7	5164.314	1280.124	8.55	1.06		7
4573.444	171.002	12.83	0.59		7	5166.277	1280.611	7.81	0.78	0.51	5
4574.438	171.039	12.42	0.57		7	5167.282	1280.860	8.20	1.00	0.67	5
4575.483	171.079	12.12	0.48		7	5169.277	1281.354	8.41	0.99	0.64	5
4576.460	171.115	11.85	0.44		7	5176.273	1283.089	8.45	1.05	0.76	5
4577.496	171.153	11.70	0.42		7	5177.264	1283.334	8.49	1.01	0.69	5
4929.470	184.314	11.93	0.69		7	5187.257	1285.811	8.20	0.94		7
4931.434	184.387	11.85	0.75		7	5201.237	1289.271	8.57	1.08	0.71	5
4953.446	185.210	11.64	0.57		7	5548.261	1375.297	8.58	1.04		7
4979.371	186.180	11.67	0.46		7	5569.238	1380.496	7.84	0.69		7
4988.299	186.513	11.94	0.76		7	5574.220	1381.731	8.09	0.84		7
5611.539	209.816	12.75	0.91		7	7592.938	1882.125	3.47	1.07	0.70	1
5623.476	210.263	11.81	0.63		7	7594.846	1882.602	7.86	0.74	0.54	1
5624.517	210.302	11.78	0.67		7	7595.826	1882.845	8.23	0.95	0.61	1
5626.543	210.377	11.82	0.67		7	7597.810	1883.336	8.49	0.98	0.63	1
5627.403	210.410	11.94	0.64		7	7600.810	1884.080	8.49	1.03	0.68	1
5628.510	210.451	11.84	0.75		7	7601.780	1884.322	8.49	1.01	0.67	1
5629.476	210.487	11.96	0.72		7	7623.736	1889.763	8.15	0.90	0.55	1
5630.465	210.524	12.02	0.71		7	7626.775	1890.516	7.30	0.71	0.52	1
5631.368	210.558	12.02	0.78		7	7634.912	1892.533	7.79	0.70	0.47	1
5634.456	210.673	12.19	0.89		7	7635.729	1892.736	8.11	0.87	0.55	1
5636.430	210.747	12.49	0.80		7	7645.839	1895.242	8.55	1.06	0.66	1
5637.403	210.783	12.43	0.86		-7	7647.719	1895.708	8.04	0.80	0.51	1
5638.451	210.823	12.53	0.86		7	7649.786	1896.220	8.55	1.05	0.69	1
5639.474	210.858	12.65	0.83		7	7653.766	1897.207	8.51	1.02	0.73	1
5640.524	210.893	12.69	0.79		7	7656.701	1897.934	8.37	0.98	0.62	1
5641.452	210.928	12.69	0.73		7						
5642.516	210.975	12.70	0.69		-7						
5652.339	211.342	11.90	0.75		7						
5660.555	211.649	12.24	0.91		-7						
5672.419	212.093	12.14	0.60		7						
738 SGR						SW TAU					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4574.450	105.426	11.73	1.42		7	2860.899	1806.525	9.40	0.50		9
4575.513	105.451	11.84	1.41		7	2882.840	1820.379	9.32	0.44		9
4577.519	105.497	11.87	1.46		-7	2882.869	1820.398	9.26	0.48		9
4578.499	105.520	11.89	1.45		7	2882.986	1820.472	9.25	0.45		9
4953.461	114.161	11.76	1.44		7	2883.759	1820.960	9.97	0.83		9
4961.336	114.343	12.19	1.60		-7	2883.858	1821.010	10.04	0.85		9
5308.469	122.343	11.90	1.50		7	2883.865	1821.027	10.10	0.87		9
5310.336	122.386	11.94	1.60		7	2887.735	1823.471	9.42	0.46		9
						2637.751	1823.480	9.40	0.46		9
						2887.809	1823.517	9.39	0.50		9
						3178.947	2007.357	9.40	0.49		9
						3180.967	2008.633	9.71	0.67		9
						3190.933	2014.926	9.95	0.83		9
						3238.853	2045.185	9.93	0.70		9
						4334.944	2737.315	9.42	0.50		9
						4341.934	2741.729	9.82	0.73		9

TABLE 1 (continued)

SW		TAU		CONT.			R		TRA		CONT.		
J.D.	CYCLES	V	B-V	U-B	RF		J.D.	CYCLES	V	B-V	U-B	RF	
4369.889	2759.362	9.40	0.48		9		4634.236	1367.319	6.92	0.85		7	
4418.743	2790.231	9.77	0.59		9								
4424.710	2793.998	10.14	0.83		9		4907.374	1447.908	6.44	0.62		7	
4425.736	2794.646	9.75	0.67		9		4920.444	1451.764	6.40	0.56		7	
							4961.244	1463.802	6.47	0.59		7	
7215.828	4556.459	9.41	0.55	0.34	1		4988.281	1471.779	6.42	0.55		7	
7592.882	4794.551	9.63	0.65	0.50	1		5161.571	1522.908	6.42	0.65	0.38	5	
7666.775	4847.475	9.46	0.55	0.46	1								
SZ		TAU					5163.624	1523.513	6.83	0.86	0.57	5	
J.D.	CYCLES	V	B-V	U-B	RF		5166.606	1524.393	6.85	0.86	0.63	5	
2824.990	897.111	6.65	0.89		8		5167.634	1524.697	6.50	0.66	0.39	5	
2832.038	899.349	6.76	0.96		8		5176.586	1527.338	6.84	0.85	0.60	5	
2832.949	899.638	6.61	0.80		8		5177.573	1527.629	6.72	0.75	0.48	5	
2841.875	902.473	6.80	0.91		8								
2842.910	904.707	6.52	0.76		8		5184.586	1529.698	6.50	0.66	0.40	5	
							5188.610	1530.885	6.46	0.60		7	
2860.806	908.485	6.76	0.90		8		5195.601	1532.948	6.45	0.65	0.42	5	
2864.912	909.788	6.45	0.75		8		5201.541	1534.701	6.50	0.65	0.38	5	
2885.799	916.421	6.79	0.93		8		5205.558	1535.886	6.41	0.63	0.37	5	
5505.279	1748.270	6.75	0.91		7								
5532.291	1756.848	6.46	0.74		7		5208.599	1536.783	6.33	0.58	0.33	5	
							5236.495	1545.014	6.54	0.73	0.46	5	
5535.247	1757.787	6.42	0.74		7		5238.525	1545.613	6.77	0.77	0.48	5	
5542.741	1760.008	6.43	0.78		-7		5241.503	1546.493	6.89	0.84	0.56	5	
5548.238	1761.912	6.44	0.81		7		5242.515	1546.790	6.33	0.58	0.33	5	
5574.208	1770.159	6.59	0.83		7								
7215.840	2291.480	6.62	0.92	0.51	1		5243.551	1547.096	6.64	0.78	0.51	5	
							5244.511	1547.379	6.87	0.85	0.59	5	
7592.894	2411.218	6.65	0.95	0.61	1		5245.506	1547.672	6.63	0.69	0.41	5	
7594.003	2411.570	6.51	0.86	0.53	1		5246.508	1547.968	6.50	0.70	0.44	5	
7594.834	2411.834	6.38	0.80	0.54	1		5282.378	1558.551	6.92	0.82		7	
7595.818	2412.147	6.62	0.92	0.60	1								
7597.804	2412.777	6.36	0.77	0.54	1		5286.345	1559.722	6.47	0.61		7	
							5296.431	1552.698	6.54	0.62		7	
R		TRA					S		TRA				
J.D.	CYCLES	V	B-V	U-B	RF		J.D.	CYCLES	V	B-V	U-B	RF	
7600.793	2413.726	6.40	0.77	0.55	1		4562.431	721.511	6.12	0.56		7	
7601.783	2414.041	6.50	0.87	0.59	1		4563.451	721.672	6.18	0.65		7	
7619.823	2419.769	6.36	0.79	0.54	1		4564.390	721.821	6.34	0.76		7	
7623.704	2421.002	6.45	0.87	0.57	1		4565.415	721.953	6.51	0.85		7	
7634.839	2424.538	6.53	0.87	0.58	1		4567.397	722.296	6.81	0.94		7	
7635.591	2424.809	6.39	0.81	0.54	1		4568.326	722.443	6.36	0.71		7	
7645.797	2428.018	6.51	0.86	0.56	1		4569.415	722.616	6.11	0.57		7	
7646.700	2428.305	6.80	0.93	0.53	1		4572.356	723.061	6.63	0.92		7	
7647.683	2428.617	6.49	0.79	0.50	1		4574.312	723.390	6.62	0.79		7	
7649.769	2429.279	6.72	0.95	0.58	1		4575.389	723.727	6.04	0.54		7	
7654.695	2430.844	6.38	0.78	0.56	1		4576.337	723.710	6.21	0.67		7	
7655.643	2431.145	6.62	0.92	0.61	1		4577.354	723.871	6.38	0.80		7	
7656.660	2431.468	6.64	0.89	0.55	1		4578.319	724.024	6.56	0.87		7	
7663.670	2433.694	6.41	0.77	0.54	1		4579.310	724.180	6.69	0.95		7	
							4580.327	724.341	6.75	0.90		7	
R		TRA					5163.629	816.585	6.96	0.59	0.35	5	
J.D.	CYCLES	V	B-V	U-B	RF		5167.629	817.218	6.71	0.98	0.74	5	
4562.344	1346.107	6.72	0.77		7		5176.591	818.635	6.07	0.62	0.38	5	
4563.422	1346.425	7.00	0.89		7		5177.580	818.797	6.28	0.78	0.53	5	
4565.395	1347.308	6.62	0.70		7		5184.604	819.903	6.40	0.80	0.58	5	
4577.341	1350.532	6.90	0.81		7								
4579.291	1351.108	6.67	0.74		-7		5185.672	820.071	6.59	0.92	0.69	5	
							5195.618	821.644	6.09	0.64	0.40	5	
4585.284	1352.876	6.42	0.62		7		5201.562	822.584	6.02	0.58	0.35	5	
4586.294	1353.174	6.77	0.82		7		5205.562	823.217	6.73	0.97	0.73	5	
4587.283	1353.466	6.93	0.86		7		5208.602	823.698	6.15	0.68	0.43	5	
4588.320	1353.772	6.40	0.56		7								

TABLE 1 (continued)

S						U						TRA						CONT.						
J.D.		CYCLES		V	B-V	U-B	RF	J.D.		CYCLES		V	B-V	U-B	RF	J.D.		CYCLES		V	B-V	U-B	RF	
5236.499	828.109	6.59	0.93	0.69	5			5611.454	2184.857	8.06	0.73						5611.454	2184.857	8.06	0.73				7
5238.529	828.430	6.37	0.73	0.48	5			5612.336	2185.201	8.22	0.76						5612.336	2185.201	8.22	0.76				7
5241.526	828.904	6.37	0.82	0.56	5			5612.556	2185.286	8.12	0.66						5612.556	2185.286	8.12	0.66				7
5242.531	829.063	6.58	0.91	0.67	5			5616.322	2186.753	7.83	0.60						5616.322	2186.753	7.83	0.60				7
5243.569	829.227	6.73	0.97	0.73	5			5616.325	2186.781	7.93	0.65						5616.325	2186.781	7.93	0.65				7
5244.526	829.379	6.59	0.84	0.58	5			5621.426	2188.740	7.76	0.55						5621.426	2188.740	7.76	0.55				7
5245.513	829.536	6.02	0.57	0.34	5			5621.457	2188.752	7.79	0.61						5621.457	2188.752	7.79	0.61				-7
5246.525	829.695	6.15	0.58	0.44	5			5622.322	2189.089	8.20	0.77						5622.322	2189.089	8.20	0.77				7
								5622.416	2189.125	8.21	0.76						5622.416	2189.125	8.21	0.76				7
								5623.397	2189.507	7.44	0.39						5623.397	2189.507	7.44	0.39				7
								5623.485	2189.542	7.54	0.43						5623.485	2189.542	7.54	0.43				7
								5624.302	2189.860	8.10	0.74						5624.302	2189.860	8.10	0.74				7
								5624.487	2189.932	8.14	0.73						5624.487	2189.932	8.14	0.73				7
								5625.520	2190.334	8.01	0.61						5625.520	2190.334	8.01	0.61				7
								5626.346	2190.656	7.88	0.57						5626.346	2190.656	7.88	0.57				7
4562.459	1776.624	8.02	0.62		7			5626.395	2190.675	7.87	0.58						5626.395	2190.675	7.87	0.58				7
4565.448	1777.588	7.82	0.53		7			5626.502	2190.716	7.84	0.58						5626.502	2190.716	7.84	0.58				7
4574.340	1781.050	8.10	0.71		7			5627.305	2191.029	8.10	0.71						5627.305	2191.029	8.10	0.71				7
4579.319	1782.989	8.06	0.72		7			5627.353	2191.048	8.10	0.72						5627.353	2191.048	8.10	0.72				7
4580.343	1783.387	8.02	0.63		7			5628.368	2191.443	7.86	0.56						5628.368	2191.443	7.86	0.56				7
4585.293	1785.315	8.00	0.62		7			5628.408	2191.458	7.70	0.49						5628.408	2191.458	7.70	0.49				7
4586.307	1785.709	7.87	0.61		7			5629.309	2191.809	7.94	0.66						5629.309	2191.809	7.94	0.66				7
4907.398	1910.728	7.69	0.64		7			5630.377	2192.225	8.29	0.78						5630.377	2192.225	8.29	0.78				7
4917.479	1914.653	7.76	0.57		7			5631.291	2192.581	7.81	0.56						5631.291	2192.581	7.81	0.56				7
4922.472	1916.598	7.40	0.42		7			5631.472	2192.651	7.89	0.61						5631.472	2192.651	7.89	0.61				7
4930.444	1919.701	7.86	0.61		7			5634.257	2193.736	7.73	0.54						5634.257	2193.736	7.73	0.54				7
5167.600	2012.040	8.07	0.77	0.48	5			5636.236	2194.506	7.48	0.40						5636.236	2194.506	7.48	0.40				7
5169.583	2012.812	7.94	0.69	0.44	5			5636.306	2194.534	7.54	0.43						5636.306	2194.534	7.54	0.43				7
5176.601	2015.544	7.58	0.51	0.28	5			5637.326	2194.931	8.14	0.75						5637.326	2194.931	8.14	0.75				-7
5177.584	2015.927	8.06	0.75	0.50	5			5637.371	2194.948	8.14	0.75						5637.371	2194.948	8.14	0.75				7
5184.616	2018.665	7.86	0.62	0.36	5			5637.473	2194.988	8.17	0.74						5637.473	2194.988	8.17	0.74				7
5195.629	2022.953	8.12	0.77	0.51	5			5638.347	2195.328	8.09	0.66						5638.347	2195.328	8.09	0.66				-7
5201.565	2025.264	8.22	0.75	0.48	5			5639.255	2195.682	7.85	0.56						5639.255	2195.682	7.85	0.56				7
5205.570	2026.824	7.84	0.65	0.39	5			5639.278	2195.691	7.82	0.55						5639.278	2195.691	7.82	0.55				7
5208.610	2028.007	8.15	0.78	0.51	5			5640.293	2196.086	8.11	0.71						5640.293	2196.086	8.11	0.71				7
5236.507	2038.869	7.89	0.65	0.40	5			5640.381	2196.120	8.16	0.75						5640.381	2196.120	8.16	0.75				7
5238.537	2039.660	7.68	0.57	0.33	5			5641.288	2196.473	7.53	0.42						5641.288	2196.473	7.53	0.42				7
5241.539	2040.828	7.93	0.69	0.42	5			5641.394	2196.515	7.35	0.37						5641.394	2196.515	7.35	0.37				7
5242.543	2041.219	8.12	0.73	0.47	5			5642.211	2196.833	7.98	0.69						5642.211	2196.833	7.98	0.69				7
5243.582	2041.624	7.50	0.47	0.22	5			5642.425	2196.916	8.12	0.73						5642.425	2196.916	8.12	0.73				7
5244.537	2041.996	8.07	0.76	0.50	5			5643.295	2197.255	8.25	0.74						5643.295	2197.255	8.25	0.74				7
5245.535	2042.384	7.73	0.53	0.28	5			5643.472	2197.324	8.00	0.61						5643.472	2197.324	8.00	0.61				7
5246.539	2042.775	7.94	0.70	0.43	5			5644.352	2197.666	7.91	0.61						5644.352	2197.666	7.91	0.61				7
5251.540	2044.722	7.85	0.64		7			5646.442	2198.480	7.86	0.55						5646.442	2198.480	7.86	0.55				7
5257.444	2047.021	8.13	0.78	0.51	5			5647.213	2198.780	7.83	0.59						5647.213	2198.780	7.83	0.59				7
5273.336	2053.209	8.09	0.77	0.44	6			5647.238	2198.790	7.82	0.50						5647.238	2198.790	7.82	0.50				7
5282.390	2056.734	7.88	0.61		7			5652.264	2200.747	7.80	0.56						5652.264	2200.747	7.80	0.56				7
5302.309	2064.490	7.50	0.41		7			5654.282	2201.533	7.40	0.37						5654.282	2201.533	7.40	0.37				7
5315.284	2069.541	7.66	0.49		7			5655.411	2201.972	8.20	0.78						5655.411	2201.972	8.20	0.78				7
5348.256	2082.379	8.69	0.57		7			5656.255	2202.301	8.10	0.66						5656.255	2202.301	8.10	0.66				7
5349.244	2082.764	7.88	0.60		7			5656.407	2202.360	7.90	0.63						5656.407	2202.360	7.90	0.63				7
5567.552	2167.764	7.97	0.68		7			5657.236	2202.683	7.94	0.65						5657.236	2202.683	7.94	0.65				7
5573.622	2170.127	8.25	0.79		7			5657.350	2202.727	7.94	0.64						5657.350	2202.727	7.94	0.64				7
5580.413	2172.771	7.99	0.70		7			5660.304	2203.877	8.00	0.67						5660.304	2203.877	8.00	0.67				7
5595.370	2178.595	7.74	0.57		7			5660.341	2203.892	8.04	0.72						5660.341	2203.892	8.04	0.72				7
5608.452	2183.688	7.72	0.52		7			5661.408	2204.307	8.25	0.72						5661.408	2204.307	8.25	0.72				7
5609.377	2184.049	8.16	0.74		7			5664.709	2205.398	7.89	0.62						5664.709	2205.398	7.89	0.62				-7
5609.464	2184.082	8.19	0.76		7																			
5611.264	2184.830	8.05	0.71		7																			
5617.450	2184.856	8.19	0.72		7																			

TABLE i (continued)

U TRA		CONT.				T VEL		CONT.			
J.D.	CYCLES	V	E-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5665.360	2205.846	7.90	0.62		7	5208.370	1122.547	8.20	1.09	0.83	5
5667.212	2206.567	8.01	0.66		7	5246.273	1130.716	8.30	1.09	0.81	5
5668.363	2207.015	8.20	0.76		7	5257.248	1133.082	7.75	0.82	0.53	5
5669.205	2207.343	8.00	0.60		7						
5672.319	2208.555	7.49	0.39		7		V VEL				
5677.212	2210.461	7.98	0.59		7						
5678.408	2210.926	8.03	0.68		7	J.D.	CYCLES	V	B-V	U-B	RF
5681.222	2212.022	8.24	0.79		7						
						4521.228	1034.371	7.39	0.68		7
5682.204	2212.404	7.93	0.55		7	4529.283	1036.214	7.24	0.60		7
5683.202	2212.792	7.97	0.67		7	4533.299	1037.133	7.58	0.71		7
5685.202	2213.572	7.49	0.42		7	4685.333	1117.672	7.76	0.88		7
5686.218	2213.967	8.17	0.76		7	4886.286	1117.890	7.89	0.94		7
5687.398	2214.427	7.64	0.41		7						
						4890.342	1118.818	7.80	0.94		7
5688.202	2214.740	8.01	0.67		7	4893.290	1119.492	7.52	0.79		7
5689.208	2215.131	8.17	0.73		7	4895.269	1119.945	7.94	0.95		7
5691.207	2215.910	8.00	0.70		7	4901.319	1121.329	7.35	0.68		7
5691.261	2215.931	8.00	0.70		7	4913.231	1124.054	7.78	0.89		7
5692.332	2216.346	8.24	0.70		7						
						4917.238	1124.971	7.93	0.92		-7
						4918.265	1125.206	7.27	0.60		-7
						4920.263	1125.663	7.67	0.90		-7
						5169.407	1182.663	7.65	0.38	0.61	5
						5177.379	1184.466	7.43	0.81	0.53	5
	T VEL										
J.D.	CYCLES	V	B-V	U-B	RF						
3765.140	911.491	8.20	0.99		9	5185.458	1186.335	7.29	0.69	0.41	5
3776.010	813.834	8.29	0.99		9	5201.359	1189.973	7.89	0.96	0.68	5
3778.070	814.278	8.03	0.91		9	5208.393	1191.582	7.59	0.88	0.60	5
3779.015	814.462	8.19	1.00		9	5238.333	1198.431	7.42	0.78	0.52	5
3796.915	818.340	8.14	0.97		9	5245.317	1200.029	7.87	0.92	0.64	5
3797.005	818.359	7.71	0.73		9	5246.286	1200.251	7.20	0.62	0.36	5
4510.245	972.082	7.82	0.79		7	5275.199	1206.866	7.81	0.96	0.54	6
4519.298	974.033	7.71	0.72		7	5292.220	1210.760	7.74	0.93	0.65	5
4565.220	983.931	7.86	0.67		-7	5293.236	1210.992	7.90	0.94	0.67	5
4808.158	1036.290	8.06	0.92		9						
4820.022	1036.847	8.13	0.88		9		RY VEL				
4826.107	1040.159	7.85	0.86		9						
4830.003	1040.999	7.73	0.73		9	J.D.	CYCLES	V	B-V	U-B	RF
4833.069	1041.659	8.32	1.07		9						
4834.035	1041.868	8.11	0.87		9	4510.345	160.367	7.98	1.16		7
						4512.351	160.439	8.07	1.25		7
4834.326	1041.930	7.86	0.78		-7	4534.303	161.219	8.12	1.18		7
4839.244	1042.990	7.70	0.76		7	4535.329	161.256	7.95	1.08		7
4840.058	1043.166	7.92	0.86		9	4536.294	161.290	7.93	1.12		7
4840.289	1043.215	7.91	0.91		7						
4844.069	1044.030	7.72	0.76		9						
						4847.283	172.347	7.98	1.19		7
4844.985	1044.228	7.97	0.91		9	4929.290	175.263	7.93	1.11		7
4847.992	1044.576	8.05	0.88		9	4932.278	175.369	8.05	1.24		7
4855.991	1046.600	8.32	1.03		9	5164.424	183.624	8.39	1.51	1.19	5
4859.015	1047.251	8.01	0.90		9	5184.405	184.334	7.98	1.16	0.82	5
4867.336	1049.045	7.77	0.75		7						
4867.984	1049.185	7.88	0.88		9	5192.453	184.620	8.38	1.51	1.19	5
4872.001	1050.050	7.75	0.75		9	5195.426	184.726	8.56	1.58	1.28	5
4872.995	1050.265	8.01	0.95		9	5198.425	184.832	8.68	1.60	1.27	5
4886.251	1053.122	7.88	0.85		7	5208.409	185.187	8.23	1.25	0.89	5
4890.293	1053.993	7.72	0.75		7	5238.350	186.252	7.91	1.10	0.74	5
4895.244	1055.060	7.76	0.79		7						
5163.390	1112.850	8.05	0.96	0.69	5	5244.333	186.465	8.16	1.35	1.00	5
5169.387	1114.145	7.80	0.89	0.61	5	5267.290	187.281	7.89	1.11	0.77	5
5177.349	1115.861	8.06	0.95	0.65	5	5268.269	187.316	7.92	1.14	0.77	5
5201.334	1121.031	7.69	0.78	0.49	5	5270.290	187.388	8.03	1.23	0.87	5

TABLE 1 (continued)

RZ VEL						SV VEL						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
3765.135	184.597	6.53	0.79		9	5155.414	366.420	8.07	0.64	0.52	5						
3776.006	185.130	7.52	1.43		9												
3776.992	185.178	7.56	1.48		9	5167.435	366.561	8.23	0.99	0.68	5						
3778.040	185.230	7.65	1.50		9	5198.463	368.762	8.65	1.25	0.87	5						
3779.010	185.277	7.66	1.39		9	5242.389	371.878	8.76	1.35	1.03	5						
						5244.402	372.021	9.01	1.40	1.08	5						
3796.910	186.155	7.55	1.49		9	5245.384	372.090	9.06	1.39	1.11	5						
4517.244	221.471	7.53	1.28		7												
4519.290	221.572	6.35	0.73		7	5246.342	372.158	9.03	1.34	1.01	5						
4562.198	223.675	6.66	0.89		-7	5292.248	375.415	8.10	0.86	0.53	5						
4808.151	235.734	6.78	1.00		9												
						SW VEL											
4820.036	236.317	7.55	1.36		9	J.D.	CYCLES	V	B-V	U-B	RF						
4826.115	236.615	6.52	0.77		9	4519.308	192.521	8.56	1.25		7						
4830.022	236.806	6.88	1.15		9	4520.265	192.562	7.85	0.86		7						
4833.062	236.955	7.14	1.35		9	4521.195	192.601	7.56	0.77		7						
4834.056	237.004	7.25	1.36		9	4544.213	193.582	7.63	0.79		7						
						4546.217	193.667	7.59	0.81		7						
4844.081	237.496	7.29	1.14		9												
4844.997	237.540	6.49	0.72		9	4808.170	204.826	7.92	1.14		9						
4848.002	237.688	6.69	0.92		9	4830.007	205.756	7.84	1.07		9						
4865.348	238.538	6.52	0.78		7	4833.072	205.887	7.99	1.25		9						
4866.281	238.584	6.42	0.76		7	4834.040	205.928	8.03	1.27		9						
						4840.063	206.185	8.50	1.57		9						
4867.977	238.667	6.61	0.91		9												
4871.996	238.864	6.95	1.23		9	4844.988	206.395	8.74	1.47		9						
4873.008	238.914	7.11	1.29		9	4847.995	206.523	8.53	1.23		9						
4886.243	239.563	6.48	0.75		7	4872.004	207.545	8.13	1.03		9						
4906.285	240.545	6.49	0.53		-7	4872.999	207.588	7.59	0.79		9						
						4922.196	209.664	7.60	0.89		-7						
4907.239	240.592	6.60	0.87		7												
5169.382	253.444	7.56	1.33	1.03	5	5163.389	219.958	8.01	1.34	1.11	5						
5177.345	253.835	6.93	1.23	0.95	5	5164.386	220.001	8.09	1.40	1.15	5						
5201.325	255.010	7.24	1.42	1.18	5	5167.365	220.178	8.37	1.46	1.20	5						
5208.362	255.355	7.59	1.38	1.10	5	5201.341	221.575	7.62	0.82	0.53	5						
						5208.374	221.875	7.96	1.24	0.94	5						
5246.265	257.214	7.63	1.50	1.25	5												
5247.218	257.261	7.63	1.46	1.23	5	5238.311	223.150	8.42	1.50	1.24	5						
5267.238	258.242	7.64	1.49	1.25	5	5256.286	223.916	8.01	1.31	1.03	5						
						5257.253	223.957	8.08	1.35	1.07	5						
ST VEL																	
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF						
4834.344	825.195	9.60	1.13		7	5270.241	224.510	8.61	1.32	1.01	5						
4869.369	831.174	9.54	1.15		7	5481.238	233.499	8.74	1.33		9						
4886.260	834.057	9.44	1.04		7							SX VEL					
5164.389	881.532	9.81	1.25	1.04	5							J.D.	CYCLES	V	B-V	U-B	RF
5239.310	894.321	9.66	1.74	0.89	5	4510.253	472.281	8.01	0.76		7	4510.253	472.281	8.01	0.76		7
						4519.314	473.230	8.00	0.73		7	4519.314	473.230	8.00	0.73		7
5242.322	894.835	9.93	1.29	1.04	5	4520.283	473.332	8.08	0.77		7	4520.283	473.332	8.08	0.77		7
5257.258	897.384	9.71	1.27	0.99	5	4529.269	474.273	7.97	0.74		7	4529.269	474.273	7.97	0.74		7
5267.251	899.090	9.40	1.07	0.75	5	4834.334	506.117	8.07	0.74		-7	4834.334	506.117	8.07	0.74		-7
5270.253	899.802	9.91	1.39	1.00	5												
5247.484	946.924	9.64	1.20		7	4921.189	515.312	8.09	0.83		-7	4921.189	515.312	8.09	0.83		-7
						4930.185	516.254	8.02	0.76		-7	4930.185	516.254	8.02	0.76		-7
5595.331	955.091	9.41	1.09		7	5169.400	541.102	7.96	0.79	0.53	5	5169.400	541.102	7.96	0.79	0.53	5
5612.280	957.985	9.42	1.07		7	5176.363	542.032	8.01	0.78	0.51	5	5176.363	542.032	8.01	0.78	0.51	5
5630.271	961.055	9.41	1.04		7	5177.363	542.136	8.01	0.80	0.53	5	5177.363	542.136	8.01	0.80	0.53	5
SV VEL						5201.348	544.643	8.56	1.10	0.82	5	5201.348	544.643	8.56	1.10	0.82	5
J.D.	CYCLES	V	B-V	U-B	RF	5208.382	545.364	8.18	0.95	0.67	5	5208.382	545.364	8.18	0.95	0.67	5
4517.395	320.449	7.91	0.77		7	5238.315	548.519	8.36	1.05	0.77	5	5238.315	548.519	8.36	1.05	0.77	5
453.377	321.512	8.16	0.88		7	5245.313	549.252	7.93	0.78	0.30	5	5245.313	549.252	7.93	0.78	0.30	5
4572.222	324.339	8.80	1.17		7	5270.248	551.863	8.53	1.02	0.75	5	5270.248	551.863	8.53	1.02	0.75	5
4869.447	345.423	8.10	0.83		7							5292.207	554.162	8.01	0.80	0.51	5

TABLE 1 (continued)

SX VEL						AH VEL					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5568.410	583.084	8.02	0.75		7	4519.277	1069.102	5.59	0.50		7
5626.223	589.138	8.04	0.78		7	4523.258	1070.044	5.66	0.52		7
5636.198	590.182	8.00	0.80		7	4532.209	1072.151	5.52	0.48		7
						4536.206	1073.107	5.66	0.50		7
XX VEL						AM VEL					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4532.357	648.910	10.26	0.98		7	4545.203	1075.235	5.54	0.49		7
4533.325	649.049	10.44	1.09		7	4833.330	1143.396	5.68	0.57		7
4573.275	654.768	11.00	1.32		7	4834.285	1143.622	5.87	0.63		7
4839.279	692.853	10.53	1.09		7	4835.394	1143.884	5.76	0.62		7
4895.378	702.885	10.37	1.01		7	4847.244	1146.688	5.84	0.66		7
4917.306	704.024	10.41	1.04		7	4865.326	1150.965	5.79	0.60		7
4924.299	705.025	10.36	1.06		7	4866.259	1151.186	5.51	0.47		7
5164.472	739.412	10.87	1.37	1.06	-5	4867.291	1151.430	5.68	0.58		7
5167.406	739.832	10.58	1.16	0.88	-5	4869.295	1151.704	5.54	0.62		7
5184.436	742.270	10.53	1.20	0.96	-5	4885.270	1155.683	5.89	0.65		7
5192.491	743.423	10.83	1.35	1.04	-5	4893.238	1157.566	5.81	0.62		7
5195.460	743.848	10.53	1.11	0.76	5	4895.232	1158.040	5.69	0.57		7
5223.298	747.834	10.59	1.15	0.65	6	4908.208	1161.109	5.65	0.51		7
5239.356	750.133	10.53	1.19	0.80	-5	4913.208	1162.292	5.51	0.54		-7
5242.362	750.563	11.01	1.45	1.06	-5	4918.218	1163.477	5.88	0.63		-7
5244.374	750.851	10.53	1.05	0.77	5	5161.383	1221.002	5.70	0.62	0.39	5
5245.356	750.992	10.31	1.02	0.71	5	5169.348	1222.886	5.80	0.67	0.43	5
5270.313	754.565	11.03	1.34	1.13	-5	5176.351	1224.543	5.74	0.67	0.45	5
						5177.335	1224.775	5.82	0.70	0.48	5
						5201.302	1230.445	5.68	0.64	0.41	5
AE VEL						AP VEL					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4522.242	633.938	10.15	1.18		7	4533.236	602.587	13.54	1.39		7
4529.304	634.928	10.20	1.21		7	4534.209	602.716	13.02	1.13		-7
4531.316	635.210	10.03	1.25		7	4535.205	602.849	12.92	0.90		7
4573.215	641.084	9.88	1.08		7	4834.315	642.608	13.45	1.13		-7
4865.381	682.040	9.89	1.07		7	4865.339	646.734	13.01	0.96		7
4886.308	684.974	9.99	1.11			5525.434	735.805	12.92	0.81		7
4895.319	686.237	10.18	1.24		7	5573.429	740.856	12.91	0.93		7
4922.270	690.015	9.89	1.09		7	5609.318	745.627	13.60	1.42		7
5144.403	723.958	10.04	1.12	0.75	5						
5165.392	724.095	9.91	1.08	0.74	5						
5184.374	726.757	10.67	1.42	1.25	-5						
5185.475	726.912	10.28	1.26	0.85	5						
5239.315	734.459	10.32	1.38	1.03	-5						
5242.331	734.882	10.41	1.30	0.92	-5						
5246.301	735.438	10.30	1.32	0.90	-5						
5257.286	736.978	9.93	1.12	0.75	5						
5267.262	738.377	10.17	1.29	1.05	-5						
5270.267	738.798	10.64	1.39	0.99	-5						
5276.205	739.630	10.60	1.47	1.13	5						
AM VEL						AP VEL					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
3775.892	893.243	5.53	0.52		9	4522.209	1446.181	9.49	0.79		7
3776.889	893.479	5.70	0.63		9	4531.225	1449.065	9.77	0.91		7
3777.909	893.720	5.87	0.64		9	4535.221	1450.343	9.67	0.89		7
3778.901	892.955	5.79	0.62		9	4869.357	1557.198	9.69	0.89		7
3783.993	895.160	5.51	0.55		9	4885.280	1562.290	9.65	0.86		7
4454.110	1053.666	5.89	0.64		9	4919.255	1573.155	9.96	1.05		-7
						5164.377	1651.544	9.84	1.06	0.72	5
						5167.357	1652.497	9.94	1.06	0.79	5
						5194.435	1661.156	10.08	1.05		7
						5223.339	1670.399	9.99	1.01		7
						5239.304	1675.505	9.85	0.99	0.59	5
						5242.317	1676.469	10.00	1.06	0.74	5
						5246.277	1677.735	10.10	1.12	0.79	5
						5256.282	1680.934	10.42	1.24		7

TABLE 1 (continued)

AP VEL						BG VEL					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5267.242	1684.439	10.07	1.10	0.73	5	4918.241	710.362	7.55	1.12		-7
						4919.265	710.510	7.45	1.12		7
5270.237	1685.397	9.70	0.94	0.61	5	4921.227	710.793	7.69	1.25		-7
5274.189	1686.661	10.18	1.14	0.78	6						
AX VEL						CO VEL					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4519.268	1742.261	8.34	0.75		7	5163.399	745.771	7.55	1.20	0.90	5
4522.197	1743.390	8.41	0.70		7	5176.375	747.645	7.49	1.17	0.88	5
4529.229	1746.101	8.37	0.77		7	5177.368	747.789	7.58	1.24	0.93	5
4833.323	1863.335	8.39	0.80		7	5201.351	751.253	7.71	1.20	0.88	5
4834.278	1863.703	8.20	0.66		7	5208.385	752.269	7.69	1.19	0.84	5
4835.384	1864.129	8.22	0.72		7	5238.320	756.592	7.52	1.13	0.83	5
4839.238	1865.615	7.94	0.56		7	5257.274	759.330	7.55	1.14	0.81	5
4847.237	1868.699	7.99	0.61		7	5270.257	761.205	7.81	1.25	0.91	5
4861.322	1874.129	8.30	0.76		7	5276.210	762.065	7.98	1.33	0.94	6
4867.284	1876.428	8.40	0.78		7	5292.213	764.576	7.48	1.09	0.75	5
4869.291	1877.201	8.34	0.78		7	CX VEL					
4885.263	1883.359	8.50	0.81		7	J.D.	CYCLES	V	B-V	U-B	RF
4889.270	1884.904	8.37	0.67		7	4532.247	1060.051	12.84	1.60		7
4907.224	1891.825	8.31	0.73		7	4546.203	1063.315	12.27	1.55		7
4914.226	1894.525	8.29	0.73		-7	4812.408	1125.578	12.62	2.00		7
4917.204	1895.673	8.11	0.61		-7	4914.241	1147.396	12.49	1.74		-7
5161.370	1989.803	8.13	0.72	0.44	5	4918.229	1150.328	12.35	1.77		-7
5169.343	1997.877	8.10	0.68	0.42	5	5555.455	1299.370	12.36	1.80		7
5176.346	1995.477	8.07	0.66	0.40	5	5567.375	1302.158	12.17	1.64		7
5177.330	1995.456	8.10	0.72	0.47	5	5609.293	1311.962	12.93	1.83		7
5194.424	2002.746	8.27	0.70		7	DD VEL					
5201.298	2005.196	8.43	0.86	0.58	5	J.D.	CYCLES	V	B-V	U-B	RF
5208.317	2007.902	8.20	0.77	0.49	5	4521.206	722.809	11.12	1.32		7
5209.341	2008.247	8.37	0.81	0.53	5	4533.272	724.738	11.35	1.39		7
5246.245	2022.524	8.10	0.68	0.41	5	4534.221	724.890	11.08	1.30		7
5256.257	2026.384	8.27	0.81	0.55	5	4535.236	725.052	11.26	1.44		7
5256.260	2026.365	8.46	0.79		7	4885.293	726.16	11.22	1.42		7
5257.239	2026.767	8.04	0.66	0.40	5	4890.307	781.617	11.06	1.33		-7
5270.224	2041.768	8.11	0.70	0.44	5	4921.216	786.759	11.22	1.45		-7
						4922.208	786.918	11.05	1.41		-7
EE VEL						DP VEL					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4510.267	651.436	7.92	1.07		-7	4532.281	343.490	12.43	1.53		7
4517.266	652.446	7.44	1.05		7	4533.290	343.566	12.22	1.67		7
4529.275	654.182	7.87	1.25		7	4534.281	343.642	12.18	1.40		7
4530.266	654.325	7.59	1.11		7	4535.257	343.716	12.17	1.53		7
4532.260	654.613	7.51	1.14		7	4890.331	370.626	12.39	1.39		-7
4833.382	698.106	7.88	1.33		7	4895.251	370.847	12.31	1.71		-7
4834.362	698.247	7.77	1.17		-7	4918.251	372.742	12.24	1.61		-7
4839.252	698.453	7.76	1.27		7	4920.237	372.894	12.12	1.65		-7
4847.259	700.111	7.93	1.33		7	4929.196	373.571	12.19	1.57		-7
4865.356	702.724	7.64	1.20		7	EP VEL					
4867.344	703.011	7.95	1.31		7	J.D.	CYCLES	V	B-V	U-B	RF
4869.378	703.305	7.64	1.16		7	4510.295	822.389	11.08	1.22		7
4885.352	705.655	7.56	1.13		7	4531.297	826.219	12.12	1.67		7
4890.317	706.329	7.59	1.14		7	4532.309	826.463	11.50	1.33		7
4895.252	707.042	7.68	1.32		7	4544.249	828.580	11.61	1.34		7
4901.306	707.916	7.77	1.29		7	4895.281	892.586	11.63	1.37		7
4906.307	708.638	7.57	1.19		7						

TABLE 1 (continued)

DP VEL						W VIR					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4921.257	897.322	11.89	1.29		-7	3040.819	176.006	10.09	0.92		9
4922.241	897.502	11.51	1.22		-7	3059.740	177.101	10.55	0.95		9
4929.213	898.773	11.97	1.54		-7	3060.795	177.162	10.64	0.97		9
5223.356	952.406	11.55	1.26		7						
5251.293	957.500	11.49	1.26		7	3062.741	177.275	10.53	0.76		9
DR VEL						3063.771	177.334	10.34	0.64		9
J.D.	CYCLES	V	B-V	U-B	RF	3069.726	177.679	9.51	0.62		9
4536.280	405.025	9.58	1.51		7	3082.767	178.434	9.98	0.52		9
4561.203	407.250	9.30	1.40		-7	3083.762	178.492	9.77	0.48		9
4865.366	434.408	9.42	1.57		7						
4886.296	436.276	9.25	1.39		7	3087.743	178.722	9.46	0.68		9
4895.292	437.080	9.57	1.51		7	3089.726	178.837	9.64	0.74		9
						3090.729	178.895	9.70	0.78		9
4917.240	439.040	9.55	1.51		-7	3091.722	178.952	9.80	0.85		9
4929.225	440.109	9.53	1.48		-7	3092.740	179.011	10.15	0.92		9
4930.195	440.196	9.24	1.36		-7						
5223.376	466.373	9.34	1.53		7	4900.693	283.657	9.52	0.64	0.44	12
5224.377	466.462	9.49	1.62		7	4901.708	283.716	9.53	0.68	0.47	12
						4902.697	283.889	9.85	0.79	0.74	12
5256.295	469.312	9.25	1.44		7	4907.703	284.063	10.64	1.02	0.84	12
5285.216	471.894	9.82	1.67		7	4907.791	284.068	10.64	1.03	0.80	12
5286.220	471.984	9.64	1.59		7						
EX VEL						4921.701	284.885	9.84	0.81	0.64	12
J.D.	CYCLES	V	B-V	U-B	RF	4922.692	284.931	10.05	0.89	0.80	12
4510.281	340.790	11.25	1.43		7	4923.685	284.988	10.30	0.97	0.96	12
4536.247	342.752	11.35	1.42		7	4923.753	284.992	10.35	0.96	0.92	12
4565.235	344.942	11.56	1.50		7	4924.683	285.046	10.55	1.03	0.98	12
4573.201	345.544	12.04	1.54		-7						
4893.273	369.728	11.45	1.48		7	4924.739	285.049	10.58	1.02	0.96	12
						4925.682	285.104	10.69	0.98	0.84	12
4895.260	369.878	11.26	1.52		7	4926.687	285.162	10.65	0.88	0.54	12
4920.251	371.766	11.20	1.47		-7	4927.689	285.220	10.54	0.76	0.34	12
4921.238	371.841	11.31	1.46		-7	4928.678	285.277	10.43	0.69	0.24	12
4922.226	371.915	11.32	1.66		-7						
5224.362	394.744	11.38	1.45		7	4933.688	285.567	9.57	0.58	0.25	12
						4934.687	285.625	9.48	0.62	0.33	12
5285.203	399.341	12.05	1.78		7	4935.674	285.682	9.51	0.67	0.41	12
						4936.684	285.741	9.51	0.67	0.51	12
						4950.674	286.556	9.52	0.58	0.26	12
						4951.671	286.608	9.49	0.59	0.41	12
						4963.672	287.303	10.39	0.74	0.24	12
						4964.663	287.360	10.11	0.53	0.15	12
						4965.658	287.418	9.68	0.44	0.12	12
						4966.659	287.476	9.56	0.46	0.17	12
FG VEL											
J.D.	CYCLES	V	B-V	U-B	RF	5188.597	300.322	10.23	0.57		7
4517.277	700.006	11.61	1.45		7	5308.331	307.252	10.60	0.78		7
4529.294	701.866	11.62	1.40		7	5309.261	307.306	10.46	0.72		7
4531.305	702.180	11.70	1.61		7	5555.582	321.563	9.69	0.66		7
4532.319	702.337	11.89	1.70		7	5567.532	322.255	10.44	0.68		7
4895.308	758.586	12.07	1.78		7						
						5605.420	324.622	9.20	1.09		-7
4923.256	762.762	11.99	1.49		-7	5609.435	324.680	9.63	0.74		7
4924.237	763.069	11.77	1.38		-7	5611.488	324.799	9.83	0.84		7
4929.235	763.844	11.65	1.52		-7	5612.350	324.849	9.93	0.89		7
5253.246	814.053	11.62	1.51		7	5621.406	325.373	9.98	0.57		7
5303.206	821.795	11.83	1.54		7						
						5622.333	325.427	9.57	0.48		7
5310.194	822.878	11.62	1.43		-7	5623.358	325.486	9.07	1.51		-7
						5624.262	325.538	9.59	0.59		7
						5626.313	325.657	9.59	0.67		7
						5627.262	325.712	9.59	0.70		7
W VIR											
J.D.	CYCLES	V	B-V	U-B	RF	5628.333	325.774	9.66	0.72		7
2944.976	170.458	9.83	0.54		9	5629.298	325.830	9.80	0.77		7
2948.042	170.636	9.51	0.61		9	5630.325	325.890	9.97	0.84		7
						5631.280	325.945	10.16	0.91		7

TABLE 1 (continued)

AP VEL						BG VEL					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5267.242	1684.439	10.07	1.10	0.73	5	4918.241	710.362	7.55	1.12		-7
						4919.265	710.510	7.45	1.12		7
5270.237	1685.397	9.70	0.94	0.61	5	4921.227	710.793	7.69	1.25		-7
5274.189	1686.661	10.18	1.14	0.76	6						
AX VEL						CO VEL					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4519.268	1742.261	8.34	0.75		7	4532.247	1060.051	12.84	1.60		7
4522.197	1743.399	8.41	0.70		7	4546.203	1063.315	12.77	1.55		7
4529.229	1746.101	8.37	0.77		7	4812.408	1125.578	12.62	2.00		7
4833.323	1863.335	8.39	0.80		7	4914.241	1149.396	12.49	1.74		-7
4834.278	1863.703	8.20	0.66		7	4918.229	1150.328	12.35	1.77		-7
4835.384	1864.129	8.22	0.72		7	5555.455	1299.370	12.36	1.80		7
4839.238	1865.615	7.94	0.56		7	5567.375	1302.158	12.17	1.64		7
4847.237	1868.699	7.99	0.61		7	5609.293	1311.962	12.93	1.83		7
4861.322	1874.129	8.30	0.76		-7						
4867.284	1876.428	8.40	0.78		7						
4869.291	1877.201	8.34	0.78		7						
4885.263	1883.359	8.50	0.81		7						
4889.270	1884.904	8.32	0.69		7						
4907.224	1891.825	8.31	0.73		7						
4914.226	1894.525	8.29	0.73		-7						
4917.204	1895.673	8.11	0.61		-7						
5161.370	1989.803	8.13	0.72	0.44	5						
5169.343	1992.877	8.10	0.68	0.42	5						
5176.346	1995.577	8.07	0.66	0.40	5						
5177.330	1999.956	8.10	0.72	0.47	5						
5194.424	2002.546	8.27	0.70		7						
5201.298	2005.196	8.43	0.86	0.58	5	4521.206	722.809	11.12	1.32		7
5208.317	2007.902	8.20	0.77	0.49	5	4523.272	724.738	11.35	1.39		7
5209.341	2008.297	8.37	0.81	0.53	5	4534.221	724.890	11.06	1.30		7
5246.245	2022.524	8.10	0.68	0.41	5	4535.236	725.052	11.26	1.44		7
						4885.293	781.016	11.22	1.42		7
5256.257	2026.384	8.37	0.82	0.55	5						
5256.260	2026.385	8.46	0.79		7	4890.307	781.817	11.06	1.33		-7
5257.239	2026.762	8.04	0.66	0.40	5	4921.216	786.759	11.32	1.45		-7
5270.324	2031.768	8.11	0.70	0.44	5	4922.208	786.918	11.05	1.41		-7
BX VEL						CX VEL					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4510.260	651.436	7.92	1.07		-7	4532.281	343.490	12.43	1.53		7
4517.266	652.448	7.44	1.05		7	4533.290	343.566	12.22	1.62		7
4529.275	650.192	7.87	1.25		7	4534.281	343.642	12.18	1.40		7
4530.266	654.325	7.59	1.11		7	4535.257	343.716	12.17	1.52		7
4532.260	654.613	7.51	1.14		7	4890.331	370.626	12.29	1.39		-7
4833.382	698.106	7.88	1.32		7	4893.251	370.847	12.31	1.71		-7
4834.362	698.247	7.77	1.17		-7	4918.251	372.742	12.24	1.61		-7
4839.252	698.953	7.76	1.23		7	4920.237	372.892	12.32	1.65		-7
4847.269	700.111	7.93	1.33		7	4929.196	373.571	12.39	1.52		-7
4865.356	702.724	7.64	1.20		7						
4867.348	703.011	7.85	1.31		7						
4869.378	703.305	7.64	1.16		7						
4885.302	705.655	7.56	1.12		7						
4890.317	706.329	7.59	1.14		7						
4895.252	707.042	7.88	1.32		7						
4901.306	707.916	7.77	1.29		7						
4906.307	708.638	7.57	1.18		7						
BX VEL						DX VEL					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4510.295	822.389	11.66	1.22		7						
4531.297	826.219	12.12	1.62		7						
4537.309	826.403	11.50	1.33		7						
4544.244	828.580	11.61	1.34		7						
4895.281	892.586	11.63	1.32		7						

TABLE 1 (continued)

W VIR						XX VIR					
CONT.						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5632.302	326.004	10.25	1.19		-7	7113.719	5276.430	12.65	0.46	0.04	1
5634.218	326.115	10.57	0.85		7	7113.722	5276.432	12.65	0.46	0.02	1
5637.204	326.292	10.24	0.58		7	7113.724	5276.433	12.65	0.46	0.04	1
5641.249	326.522	9.65	0.56		7	7113.727	5276.435	12.66	0.45	0.02	1
5652.251	327.158	10.75	0.90		7	7113.729	5276.437	12.66	0.44	0.05	1
5667.199	328.024	10.55	0.97		7	7113.731	5276.439	12.66	0.47	0.02	1
						7114.643	5277.115	12.49	0.41	0.06	1
7014.732	406.020	10.49	1.01	0.83	1						
7020.789	406.371	9.90	0.49	0.09	1	7114.645	5277.116	12.49	0.41	0.04	1
7021.809	406.430	9.48	0.41	0.10	1	7114.648	5277.118	12.49	0.42	0.06	1
7022.803	406.488	9.49	0.49	0.15	1	7114.651	5277.120	12.49	0.42	0.06	1
7073.876	406.550	9.56	0.57	0.23	1	7114.653	5277.122	12.49	0.42	0.06	1
						7114.656	5277.124	12.49	0.44	0.06	1
7043.810	407.703	9.57	0.69	0.47	1						
7044.719	407.756	9.76	0.74	0.58	1	7114.690	5277.150	12.53	0.43	0.07	1
7049.856	408.053	10.56	0.98	0.80	1	7114.693	5277.152	12.53	0.44	0.05	1
7050.779	408.107	10.71	0.92	0.64	1	7114.695	5277.153	12.53	0.44	0.06	1
7052.787	408.223	10.48	0.69	0.25	1	7114.698	5277.155	12.53	0.43	0.05	1
						7114.701	5277.158	12.54	0.43	0.07	1
7057.688	408.507	9.59	0.52	0.18	1						
7083.720	410.013	10.49	0.97	0.78	1	7114.707	5277.162	12.51	0.45	0.04	1
7087.658	410.241	10.48	0.69	0.17	1	7131.676	5289.749	11.72	0.14	0.08	1
7094.674	410.648	9.55	0.66	0.41	1						
7099.745	410.941	10.19	0.96	0.86	1						
						AL VIR					
7100.705	410.997	10.47	1.03	0.91	1	J.D.	CYCLES	V	B-V	U-B	RF
7102.736	411.114	10.84	0.98	0.73	1	2948.063	286.221	9.61	0.56		9
7131.656	412.788	9.65	0.74	0.60	1	3027.855	293.967	9.73	0.83		9
7453.665	431.426	9.68	0.47	0.18	1	3040.826	295.277	9.63	0.54		9
7455.659	431.542	9.59	0.57	0.25	1	3059.785	297.067	9.86	0.69		9
						3060.795	297.165	9.80	0.62		9
7482.701	431.949	10.13	0.89	0.75	1						
7469.892	432.354	10.03	0.49	0.14	1	3061.753	297.258	9.59	0.54		9
7470.677	432.411	9.72	0.41	0.15	1	3062.750	297.355	9.25	0.43		7
7472.701	432.528	9.58	0.55	0.24	1	3063.781	297.455	9.16	0.44		9
						3081.743	299.199	9.69	0.60		9
						3089.733	299.975	9.06	0.82		9
XX VIR											
J.D.	CYCLES	V	B-V	U-B	RF	3090.735	300.072	9.80	0.67		9
7052.815	5231.256	12.56	0.45		1	3091.729	300.169	9.73	0.60		9
7054.775	5232.709	11.65	0.15	0.57	1	3092.750	300.268	9.40	0.49		9
7057.701	1010.470	12.14	0.32	0.03	1	3093.736	300.364	9.16	0.39		9
7083.744	5254.196	12.51	0.45		1	3095.740	300.553	9.26	0.58		9
7087.676	5257.113	12.45	0.42	0.04	1						
						3096.736	300.655	9.38	0.67		9
7087.759	5257.174	12.54	0.46	-0.01	1	7015.844	681.152	9.88	0.70	0.41	1
7099.762	5266.077	12.37	0.39	0.02	1	7020.795	681.633	9.26	0.51	0.30	1
7100.722	5266.789	11.86	0.21	0.08	1	7021.816	681.732	9.51	0.66	0.39	1
7111.667	5274.907	12.14	0.29	0.09	1	7022.808	681.828	9.66	0.78	0.53	1
7112.660	5275.644	11.92	0.25	0.02	1						
						7023.881	681.932	9.75	0.78	0.54	1
7112.663	5275.646	11.87	0.19	0.10	1	7043.821	683.868	9.74	0.79	0.51	1
7112.665	5275.648	11.85	0.21	0.05	1	7044.734	683.957	10.09	0.78	0.61	1
7112.667	5275.649	11.81	0.19	0.10	1	7050.787	684.544	9.16	0.42	0.26	1
7112.669	5275.651	11.80	0.20	0.06	1	7052.797	684.740	9.49	0.67	0.37	1
7112.672	5275.652	11.77	0.17	0.11	1						
						7054.724	684.927	9.84	0.79	0.52	1
7112.674	5275.654	11.76	0.16	0.05	1	7063.729	687.743	9.50	0.64	0.38	1
7112.674	5275.655	11.72	0.18	0.08	1	7087.668	688.125	9.97	0.74	0.49	1
7112.678	5275.657	11.72	0.18	0.08	1	7094.694	688.806	9.62	0.69	0.42	1
7112.680	5275.659	11.71	0.16	0.10	1	7099.754	689.258	9.75	0.57	0.30	1
7112.694	5275.669	11.62	0.15	0.09	1						
						7100.715	689.392	9.37	0.42	0.23	1
7112.696	5275.671	11.62	0.13	0.10	1	7102.745	689.589	9.17	0.42	0.26	1
7112.699	5275.673	11.60	0.14	0.10	1	7131.655	692.397	9.38	0.37	0.23	1
7112.702	5275.675	11.61		0.09	1	7455.668	723.853	9.64	0.71	0.50	1

TABLE 1 (continued)

AL VIR		CONT.				U VUL		CONT.			
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	PF
7458.678	724.146	9.95	0.76	0.54	1	6741.811	843.710	6.91	1.21		2
7459.695	724.244	9.84	0.66	0.43	1	6742.737	843.826	6.98	1.27		2
7460.696	724.341	9.77	0.55	0.33	1	6744.819	844.086	7.34	1.46		2
7462.708	724.537	9.15	0.38	0.30	1	6745.852	844.215	7.43	1.51		2
7469.699	725.216	9.95	0.69	0.50	1	6746.758	844.329	7.50	1.50		2
7470.683	725.311	9.83	0.59	0.40	1	6746.822	844.337	7.42	1.45		2
						6747.769	844.455	7.24	1.36		2
						6748.791	844.583	6.83	1.15		2
						6749.803	844.710	6.87	1.22		2
						6753.842	845.215	7.44	1.51		2
						6755.886	845.471	7.19	1.34		2
						6757.725	845.701	6.89	1.21		2
						6757.942	845.728	5.90	1.25		2
						6761.791	846.210	7.43	1.50		2
						6767.729	846.953	7.10	1.36		2
						6794.640	850.321	7.46	1.45	1.10	2
2758.774	621.965	5.42	0.47		8	6811.753	852.463	7.23	1.34	0.97	2
2768.778	624.220	5.80	0.64		8	6812.892	852.605	6.83	1.14	0.74	2
2770.875	624.693	6.12	0.80		8	6833.771	855.218	7.43	1.50	1.17	2
2771.889	624.322	5.52	0.48		8	6836.721	855.587	6.81	1.18	0.84	2
2772.868	625.142	5.67	0.60		8	6852.726	857.590	6.75	1.16	0.79	2
2773.799	625.352	5.92	0.72		8	6858.710	858.339	7.46	1.44		2
3102.804	699.525	6.02	0.83		8	7151.683	900.009	7.20	1.41	1.02	1
3103.841	699.762	6.05	0.75		8	7198.724	900.891	6.97	1.28	0.91	1
3133.726	706.498	6.02	0.82		8	7200.767	901.146	7.39	1.49	1.16	1
3146.771	709.439	5.97	0.78		8	7201.777	901.273	7.52	1.49	1.29	1
3153.878	711.041	5.50	0.50		8	7201.782	901.273	7.50	1.51		1
3154.854	711.261	5.77	0.68		8	7202.645	901.381	7.43	1.44	1.01	1
3158.757	712.141	5.68	0.63		8	7226.690	904.390	7.43	1.45	0.99	1
3159.757	712.367	5.97	0.75		8	7232.656	905.137	7.41	1.47	1.13	1
3179.698	715.862	5.70	0.60		8	7235.509	905.256	7.48	1.49	1.16	1
5349.290	1205.996	5.46	0.46		7	7237.312	905.757	6.95	1.23	0.84	1
5370.331	1210.740	6.03	0.73		7	7239.601	906.006	7.23	1.42	1.01	1
7131.906	1607.887	5.61	0.52	0.30	1	7451.919	932.577	6.84	1.17	0.82	1
7142.830	1610.349	5.86	0.75	0.62	1	7461.926	933.829	6.93	1.27	0.88	1
7143.876	1610.585	6.02	0.81	0.48	1	7469.915	934.829	7.00	1.25	0.90	1
7144.855	1610.906	5.82	0.63	0.31	1	7516.805	940.697	6.93	1.23	0.89	1
7147.863	1611.484	5.98	0.80	0.47	1						
7178.804	1618.460	5.93	0.75	0.47	1						
7183.743	1619.573	5.99	0.79	0.48	1						
7213.701	1626.327	5.84	0.71	0.42	1						
7214.684	1626.549	6.03	0.80	0.45	1						
7215.665	1626.770	5.34	0.74	0.36	1						
7220.627	1627.889	5.52	0.48	0.29	1						
7221.649	1628.119	5.30	0.58	0.33	1						
7515.829	1694.442	5.95	0.75	0.52	1						
						X VUL					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5302.515	663.588	6.82	1.15		7	3093.962	489.605	8.95	1.52		8
5363.337	660.697	6.94	1.15		7	3094.955	489.762	9.09	1.60		8
5647.442	706.754	6.93	1.23		7	3095.955	489.921	9.25	1.64		8
5652.396	707.374	7.40	1.43		7	3096.941	490.077	9.17	1.52		8
5654.429	707.628	6.75	1.12		7	3098.938	490.393	8.71	1.33		8
5655.509	707.764	6.85	1.23		7	3101.962	490.871	9.20	1.63		8
5661.428	708.504	7.11	1.26		7	3102.955	491.028	9.25	1.63		8
5668.480	709.387	7.40	1.40		7	3103.957	491.187	8.75	1.32		8
5669.462	709.510	7.08	1.24		7	3122.823	494.172	8.82	1.36		8
6731.811	842.458	7.22	1.34		2	3123.957	494.345	8.64	1.24		8
6735.769	842.954	7.12	1.36		2	3125.913	494.661	8.95	1.53		8
6735.956	842.977	7.19	1.39		2	3126.924	494.821	9.19	1.62		8
6736.813	843.084	7.33	1.45		2	3153.823	499.078	9.19	1.54		8
6736.930	843.099	7.35	1.45		2	3154.809	499.234	8.55	1.20		8
						4905.528	776.277	8.84	0.24		-7

TABLE 1 (concluded)

X						SV					
VUL		CONT.				VUL		CONT.			
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5342.356	546.353	8.53	1.31		7	3092.948	68.575	7.06	1.43		8
5372.280	850.138	9.00	1.51		7	3093.955	68.598	6.97	1.45		8
7118.906	1126.534	8.77	1.46	1.04	1	3094.948	68.620	7.02	1.52		8
7147.764	1131.100	9.13	1.59	1.17	1						
7148.849	1131.272	8.47	1.27	0.89	1	3095.948	68.642	7.04	1.50		8
						3096.936	68.664	7.05	1.54		8
7149.865	1131.433	8.61	1.39	0.99	1	3098.944	68.708	7.22	1.57		8
7156.856	1132.539	8.70	1.47	1.08	1	3101.958	68.775	7.25	1.67		8
7159.806	1133.006	9.18	1.68	1.36	1	3102.948	68.797	7.27	1.68		8
7178.724	1136.000	9.17	1.66	1.34	1						
7201.129	1139.640	8.84	1.52	1.14	1	3103.951	68.819	7.31	1.69		8
						3123.910	69.262	7.69	1.46		8
7202.720	1139.797	9.03	1.64	1.22	1	3125.910	69.306	7.11	1.23		8
7205.699	1140.268	8.44	1.27	0.90	1	3126.917	69.328	6.95	1.14		8
7213.741	1141.541	8.67	1.50	1.08	1	3131.753	69.436	6.95	1.19		8
7215.642	1141.842	9.11	1.68	1.26	1						
7461.940	1180.817	9.05	1.63	1.26	1	3132.715	69.457	6.96	1.20		8
						3133.781	69.481	7.03	1.23		8
7462.929	1180.974	9.20	1.64	1.37	1	3134.913	69.506	6.97	1.27		8
7469.928	1182.081	9.22	1.59	1.26	1	3136.736	69.546	7.05	1.36		8
7472.879	1182.548	8.76	1.47	1.10	1	3137.764	69.569	7.13	1.41		8
7516.836	1189.504	8.80	1.44	1.18	1						
						3152.812	69.903	7.39	1.68		8
						3153.826	69.925	7.49	1.68		8
						3154.802	69.947	7.51	1.70		8
						5343.343	118.470	6.78	1.20		7
						5348.317	118.580	6.93	1.38		7
						7050.967	156.330	6.87	1.20	0.87	1
						7118.917	157.837	7.41	1.70	1.66	1
						7147.787	158.477	6.86	1.30	0.99	1
						7148.863	158.501	6.90	1.35	1.05	1
						7159.797	158.743	7.22	1.69	1.51	1
						7178.713	159.163	7.75	1.76	1.62	1
						7202.696	159.694	7.21	1.63	1.38	1
						7205.682	159.761	7.26	1.66	1.49	1
						7213.718	159.939	7.44	1.76	1.65	1
						7226.699	160.227	7.72	1.67	1.42	1
						7229.669	160.292	7.10	1.28	0.99	1
						7232.663	160.359	6.78	1.12	0.84	1
						7233.615	160.380	6.73	1.14	0.84	1
						7237.515	160.469	6.89	1.28	0.99	1
						7239.508	160.513	6.94	1.35	1.06	1
						7451.944	165.221	7.63	1.65	1.33	1
						7461.733	165.442	6.86	1.27	1.01	1
						7469.921	165.619	7.18	1.54	1.33	1
						7472.872	165.685	7.19	1.60	1.45	1
						7521.818	166.770	7.27	1.66	1.53	1
						7541.745	167.212	7.59	1.59	1.43	1

TABLE 2
UNCONFIRMED OBSERVATIONS

GS CAR						IU CEN						CONT.					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4534.338	1118.164	12.44	1.16		7	4572.324	1377.513	12.36	0.66		7						
4546.263	1121.109	12.51	1.7		7	4575.376	1378.433	12.69	0.47		7						
4562.285	1125.059	12.46	0.98		7	4867.487	1466.437	12.55	0.54		7						
4567.226	1126.278	12.59	1.10		-7	4947.283	1490.478	12.41	0.66		7						
4886.354	1204.975	12.26	0.95		7	4950.257	1491.374	13.04	0.57		7						
4895.390	1207.203	12.47	1.12		-7												
4931.219	1216.039	12.52	1.08		-7												
HS CAR						12 CEN											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF						
						4567.263	775.062	12.60	1.68		-7						
						4568.266	775.228	12.69	1.74		-7						
4569.223	897.318	12.09	1.29		7												
4925.222	967.230	12.15	1.28		-7												
IM CAR						LV CEN											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF						
						4568.250	918.267	12.36	1.60		7						
4569.268	856.270	11.77	1.14		7												
4574.230	857.199	11.66	1.19		-7												
4953.245	928.226	11.67	1.16		-7												
IO CAR						RW CMA											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF						
						6854.018	1196.287	10.81	1.14		2						
4513.355	331.718	11.17	1.35		7	6856.992	1196.806	11.38	1.38		2						
4329.393	332.897	11.22	1.34		7	6858.999	1197.156	10.95	1.21		2						
4530.392	332.970	11.15	1.23		7												
4572.247	336.046	11.03	1.34		7												
5165.489	379.648	10.93	1.17	0.98	-5												
5167.472	379.794	10.95	1.14	0.76	-5	5166.502	895.994	9.23	0.62	0.35	5						
5185.535	381.121	10.65	1.16	0.80	-5	5167.307	896.168	9.57	0.44	0.37	5						
5186.502	381.192	10.76	1.16	0.95	-5	5169.306	896.515	9.19	0.61	0.35	5						
5223.350	383.901	11.18	1.25	0.95	6	5176.281	897.725	9.28	0.51	0.34	5						
5242.424	385.302	10.61	1.25	0.95	-5	5177.269	897.896	9.41	0.62	0.36	5						
5244.432	385.430	10.68	1.23	1.01	-5	5195.275	901.019	9.39	0.62	0.35	5						
5276.192	387.784	11.21	1.27	0.97	6	5201.258	902.057	9.31	0.61	0.32	5						
						5209.256	903.444	9.23	0.62	0.34	5						
						5238.223	908.467	9.24	0.60	0.34	5						
						5239.212	908.639	9.30	0.61	0.33	5						
AW CAS						WW CMA											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF						
7196.847	1682.163	12.97	1.10	1.12	1	5166.502	895.994	9.23	0.62	0.35	5						
						5167.307	896.168	9.57	0.44	0.37	5						
						5169.306	896.515	9.19	0.61	0.35	5						
						5176.281	897.725	9.28	0.51	0.34	5						
						5177.269	897.896	9.41	0.62	0.36	5						
						5195.275	901.019	9.39	0.62	0.35	5						
						5201.258	902.057	9.31	0.61	0.32	5						
						5209.256	903.444	9.23	0.62	0.34	5						
						5238.223	908.467	9.24	0.60	0.34	5						
						5239.212	908.639	9.30	0.61	0.33	5						
						5242.214	909.160	9.19	0.63	0.33	5						
						5256.202	911.986	9.17	0.63	0.33	5						
BD CAS						BE CRA											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF						
7184.845	1967.755	11.11	1.37	0.87	1	4574.532	1371.057	13.31	0.26		7						
7220.779	1977.597	11.22	1.40	0.91	1												
7263.660	1989.341	11.08	1.39	0.87	1												
BV CAS						QT CRA											
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF						
						4567.542	57.711	12.27	1.12		7						
						4572.467	57.773	12.26	1.14		7						
						4577.508	57.837	12.25	1.16		7						
7196.858	1332.840	12.84	0.63	0.06	1	4919.610	62.160	12.35	1.19		-7						
						4952.403	62.574	12.32	1.07		7						
IU CEN																	
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF						
						4979.383	62.715	12.24	1.13		-7						
						4989.258	63.040	12.35	1.13		-7						
						5328.276	67.323	12.26	1.07		7						
4569.357	1376.619	12.50	0.78		7	5331.285	67.361	12.24	1.08		7						

TABLE 2 (continued)

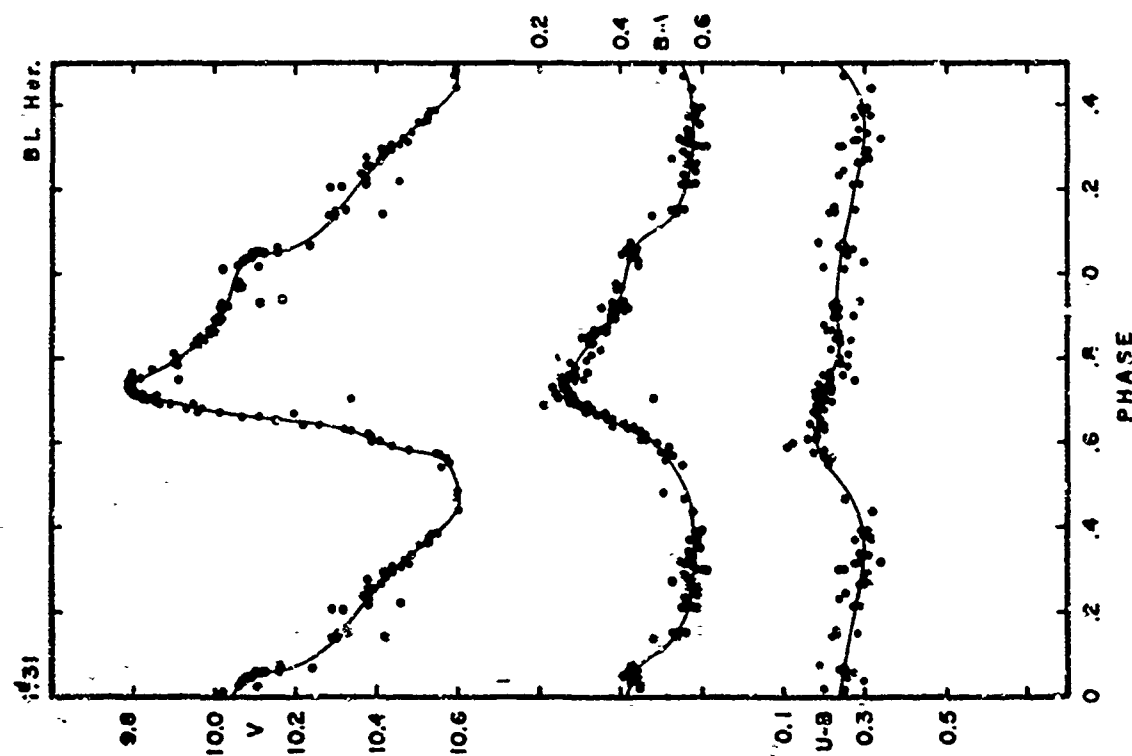
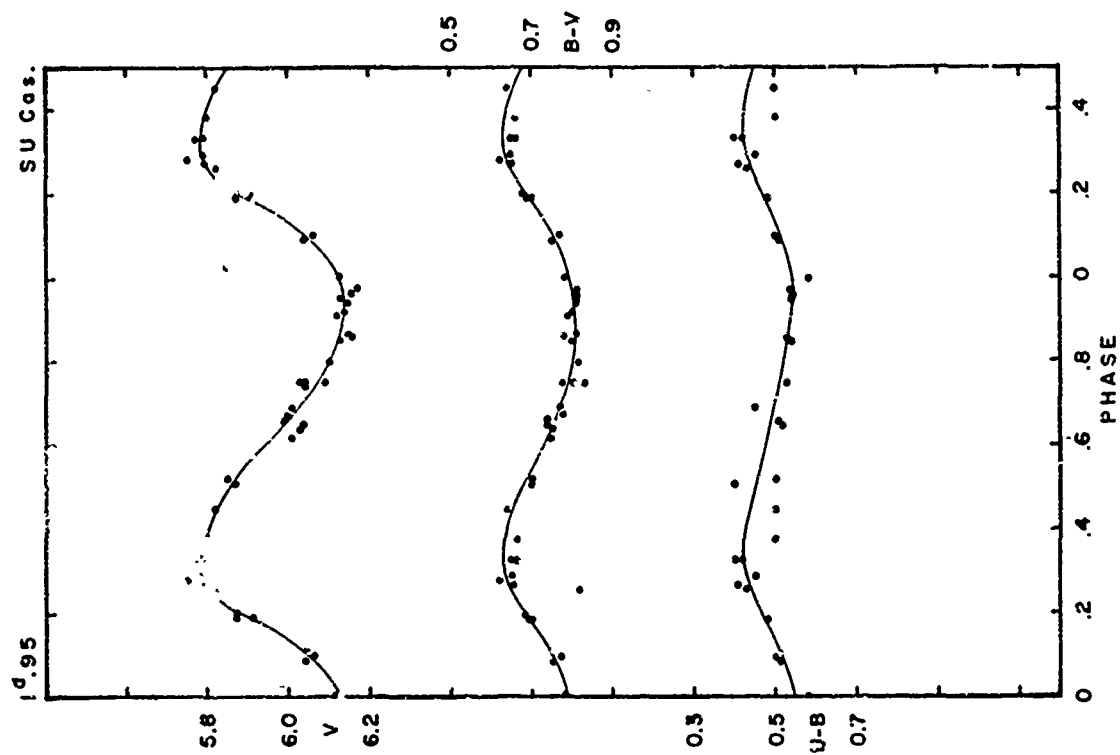
EZ CYG						GZ NOR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4989.382	427.906	10.73	1.29		-7	4565.462	127.023	12.87	1.75		7
						4567.465	127.079	13.06	1.14		-7
						4568.345	127.103	13.14	1.22		-7
						4921.472	136.928	12.88	1.19		-7
						4925.442	137.039	13.05	1.23		-7
EK DEL						446 SCO					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5343.372	2610.719	11.90	0.29		7	4576.429	159.937	13.28	1.15		-7
						4578.438	160.007	13.05	0.69		-7
						4579.435	160.042	12.51	0.79		7
						4953.395	173.111	12.74	0.78		-7
						4980.316	174.052	12.46	0.77		-7
DX GEM						507 SCO					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4812.293	1334.596	10.90	1.09		7	4568.555	387.202	13.13	0.88		7
5555.309	1771.537	10.79	1.07		7	4569.475	387.280	13.12	0.76		7
5567.279	1775.354	10.65	0.99		-7	4570.382	387.357	12.95	1.00		7
5568.279	1775.673	10.92	1.02		7						
AL L-R						549 SCO					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5343.297	411.548	11.76	1.11		-7	4578.418	276.642	13.81	0.63		7
7232.645	557.069	12.31	1.35	1.34	1	5308.399	320.749	13.70	0.78		7
						5309.323	320.805	13.51	0.85		7
						5310.274	320.863	13.45	0.99		7
EN LYR						377 SGR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
7232.636	3058.766	12.20	0.51	0.01	:	7143.799	441.159	12.30	1.31	1.42	1
						7159.715	442.142	12.92	1.06	0.51	1
						7176.608	443.273	13.07	1.05	0.76	1
RV MON						382 SGR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4812.321	1596.497	11.26	1.11		7	4572.444	277.899	12.26	0.62		7
5547.384	1840.756	11.97	1.00		7	4573.546	277.950	12.17	0.69		7
5555.339	1842.995	11.64	1.19		7	4574.512	278.018	12.22	0.67		7
						4575.552	278.081	12.27	0.75		7
CS MON						377 SGR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4812.279	720.322	10.90	1.22		7	4578.468	133.940	13.23	1.16		7
5547.274	830.340	10.98	1.36		7	4980.336	147.596	12.90	1.45		-7
5555.773	831.537	11.26	1.35		7	5302.367	153.117	12.81	1.18		7
5568.266	833.482	11.17	1.32		7	5331.268	155.764	13.16	1.28		-7
EK MON						995 SGR					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
5547.371	1401.655	11.17	1.37		7	7083.848	223.423	12.50	0.78	0.42	1
5568.312	1405.946	11.28	1.34		7						
5573.293	1408.205	10.77	1.11		7						
GR NOR											
J.D.	CYCLES	V	B-V	U-B	RF						
4567.422	2330.367	12.38	1.27		-7						
4569.428	2331.381	12.33	1.30		7						
4577.443	2335.478	12.44	1.19		-7						
4922.485	2511.523	12.36	1.22		7						
4979.335	2540.529	12.38	1.19		7						

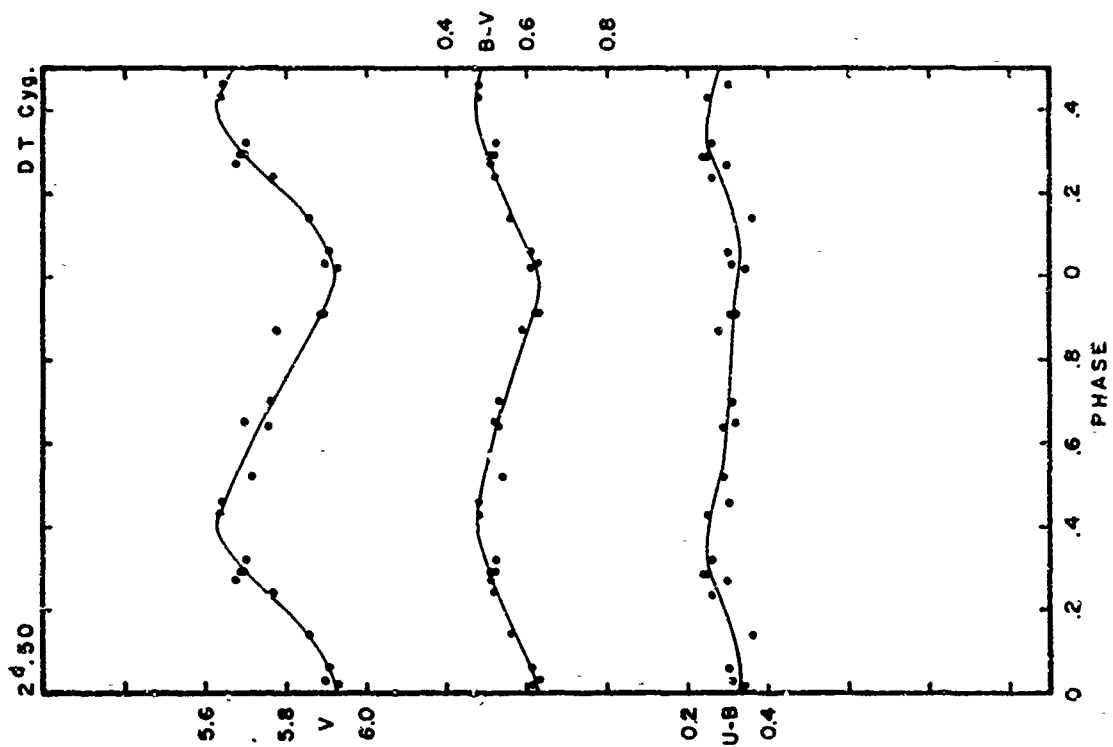
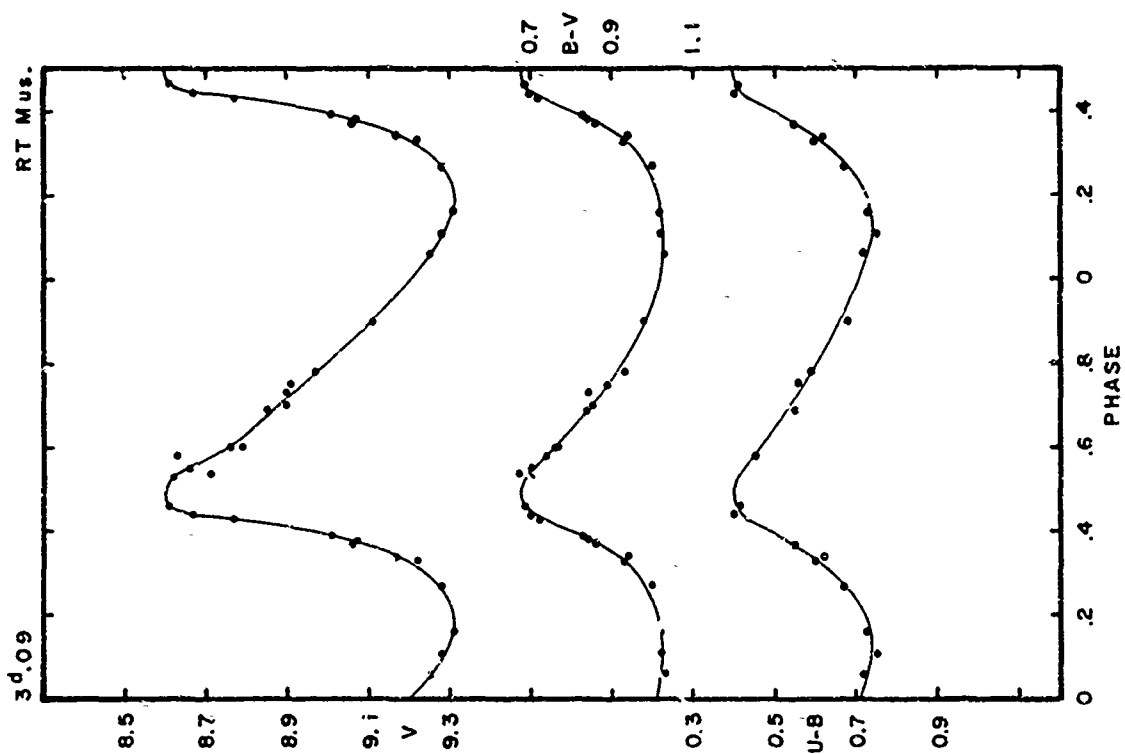
TABLE 2 (concluded)

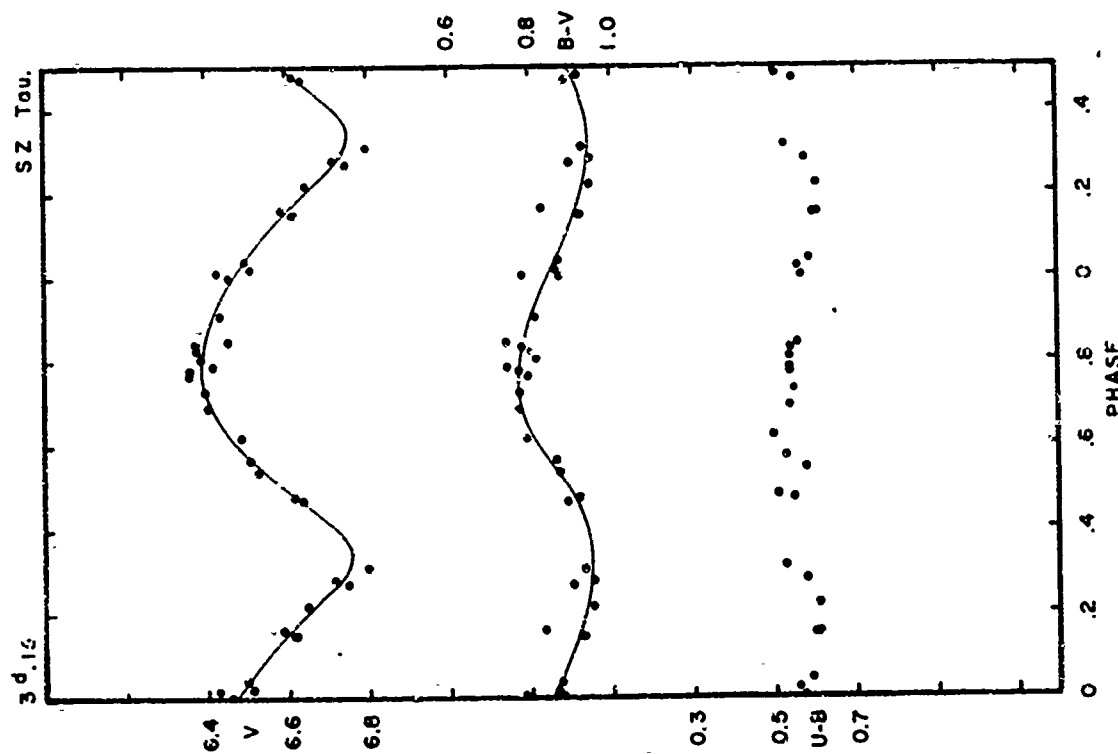
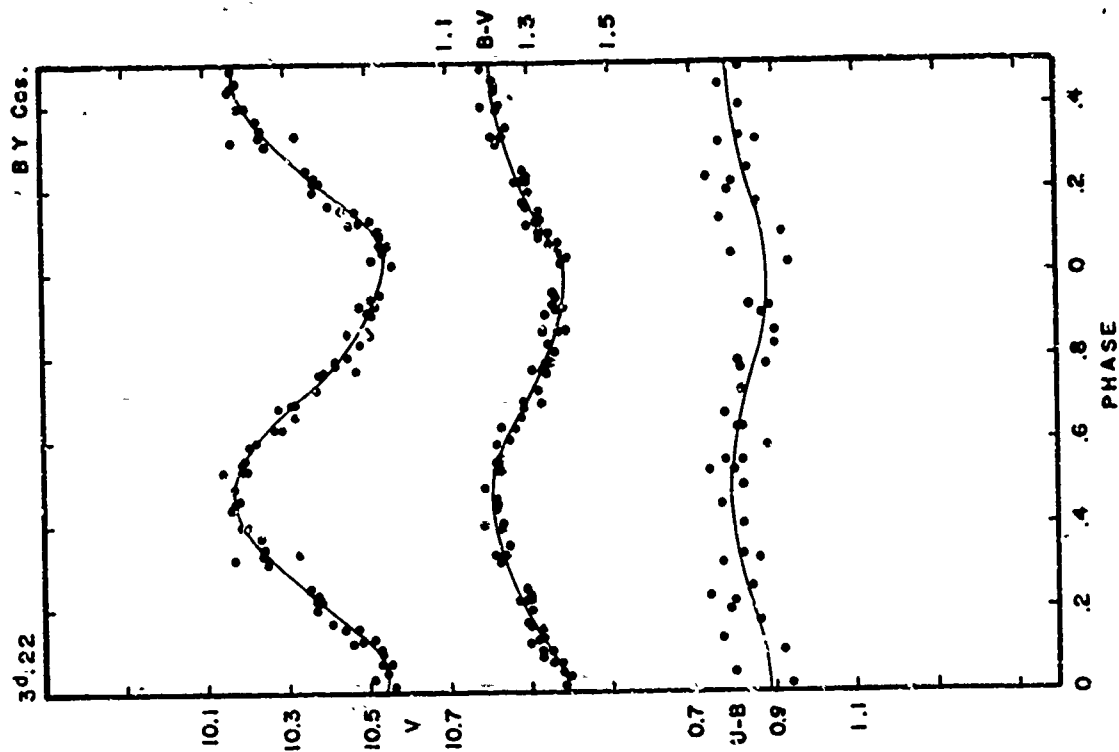
1077 SGR						CY VEL					
J.D.	CYCLES	V	B-V	U-B	RF	J.D.	CYCLES	V	B-V	U-B	RF
4568.555	340.206	12.52	0.49		7	4513.261	231.109	12.60	1.12		-7
RT TRA						4531.234	232.030	12.93	1.16		7
J.D.	CYCLES	V	B-V	U-B	RF	4532.268	232.082	12.64	1.14		7
5304.235	2725.572	9.59	0.78	0.55	6	4533.281	232.134	12.57	1.01		7
5306.289	2726.627	9.72	0.85	0.66	6	4534.259	232.184	12.33	1.19		7
5309.270	2728.159	9.88	0.75	0.55	6	4885.318	250.161	12.75	0.99		7
5311.284	2729.194	9.79	0.68	0.45	6	4886.274	250.210	12.59	1.06		7
CP VEL						4925.203	252.203	12.39	1.20		-7
J.D.	CYCLES	V	B-V	U-B	RF	5275.262	270.129	12.60	1.51		-7
4517.258	459.029	12.64	1.68		7	EZ VEL					
4536.232	460.957	12.84	1.43		7	J.D.	CYCLES	V	B-V	U-B	RF
4812.429	489.023	12.70	1.50		-7	4531.279	131.210	12.06	1.54		7
4920.222	499.977	12.58	1.62		-7	4532.292	131.239	11.91	1.48		7
4921.198	500.976	12.68	1.56		-7	4533.309	131.269	11.89	1.51		7
						4534.289	131.297	11.95	1.47		7
						4535.270	131.325	11.97	1.59		7

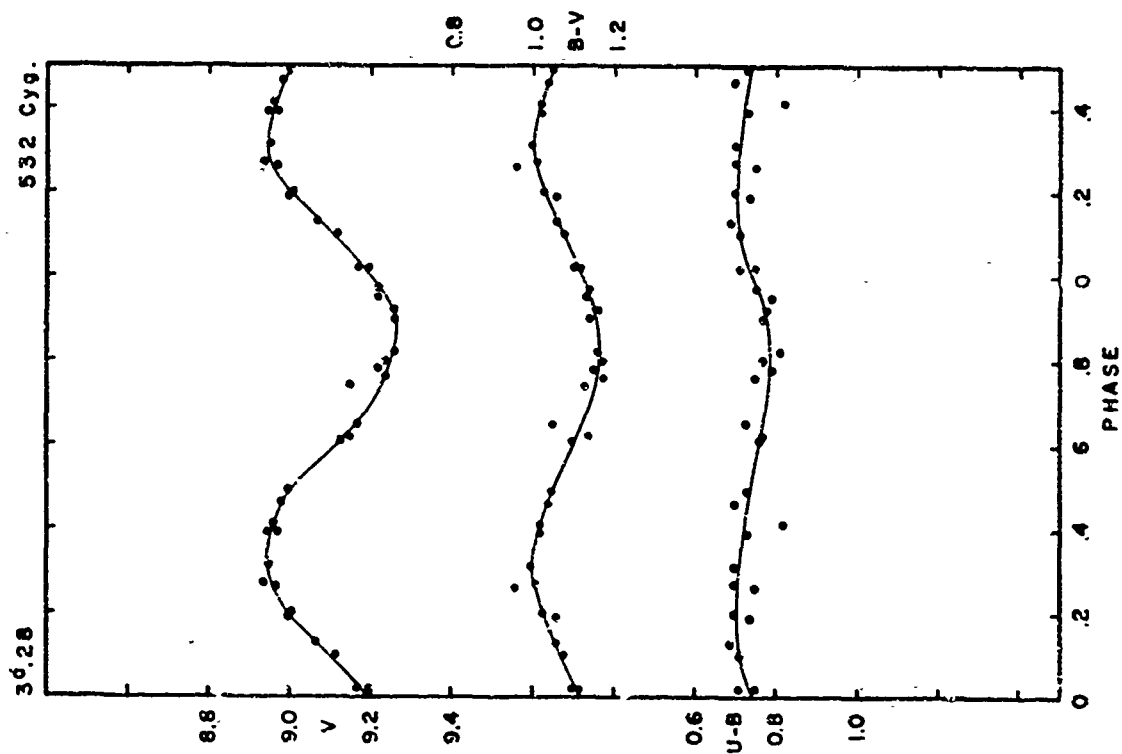
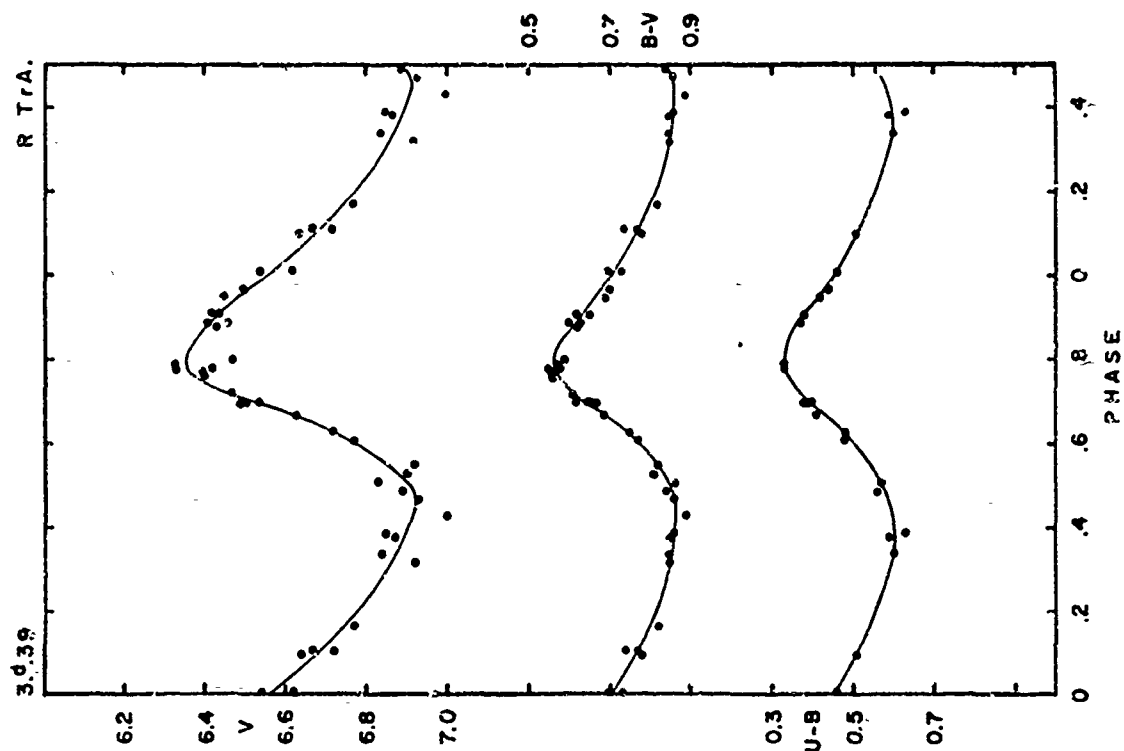
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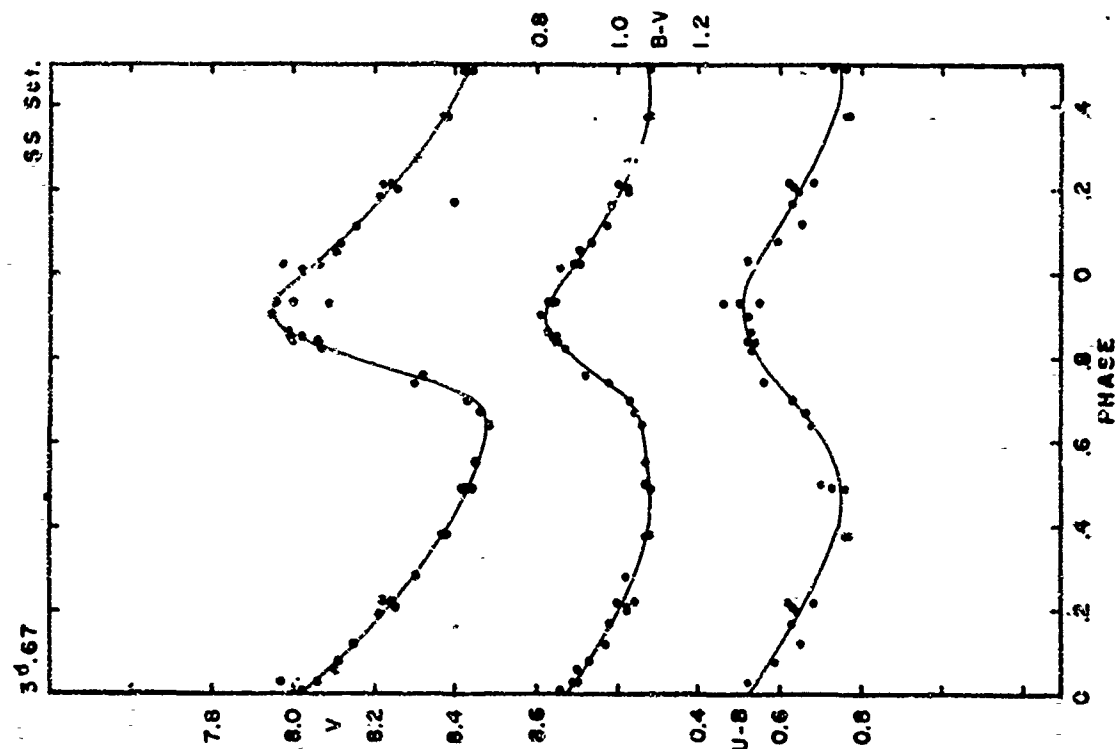
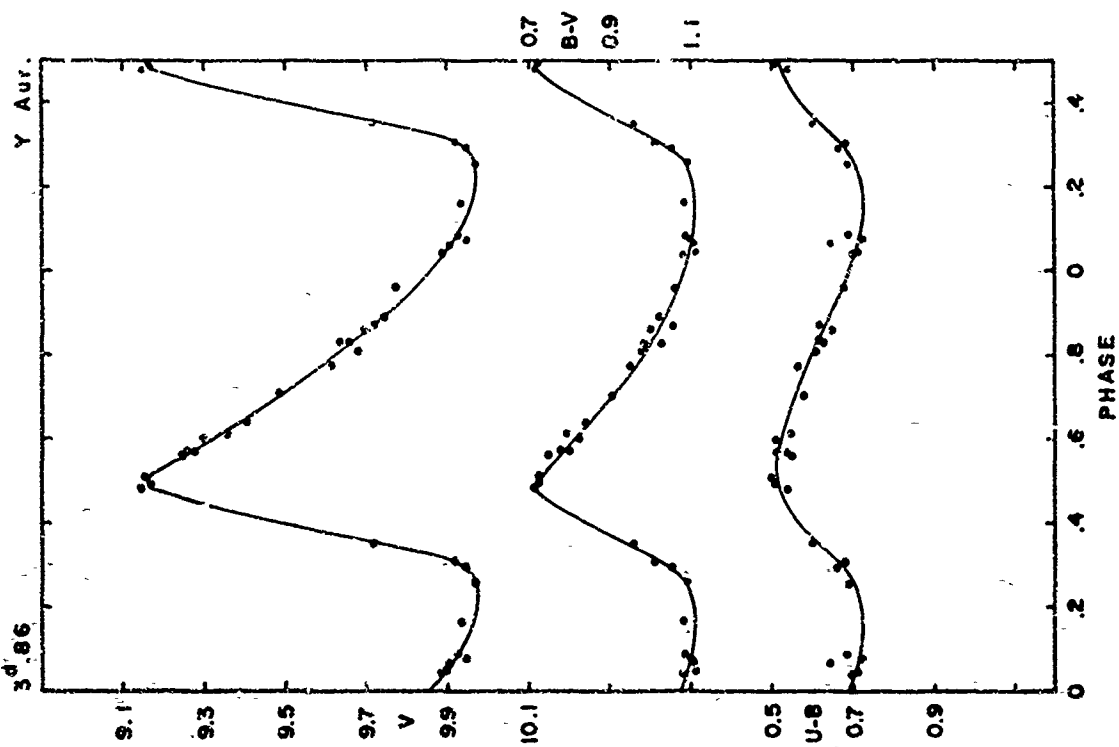
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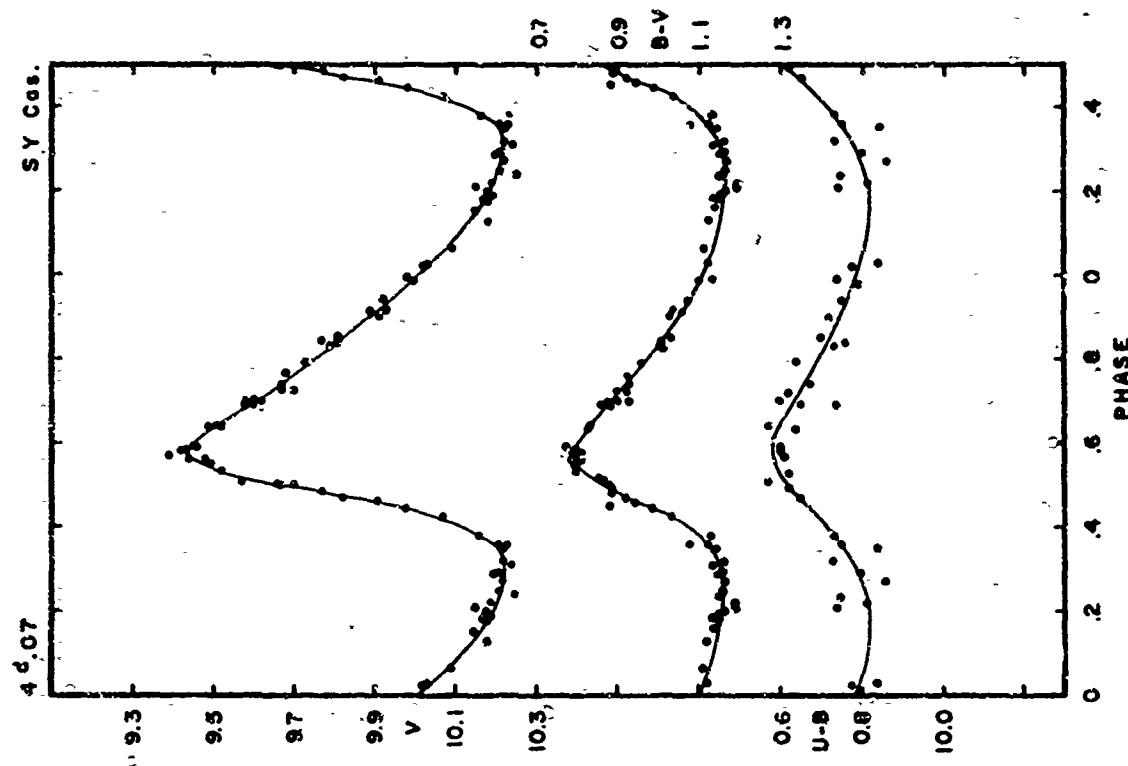
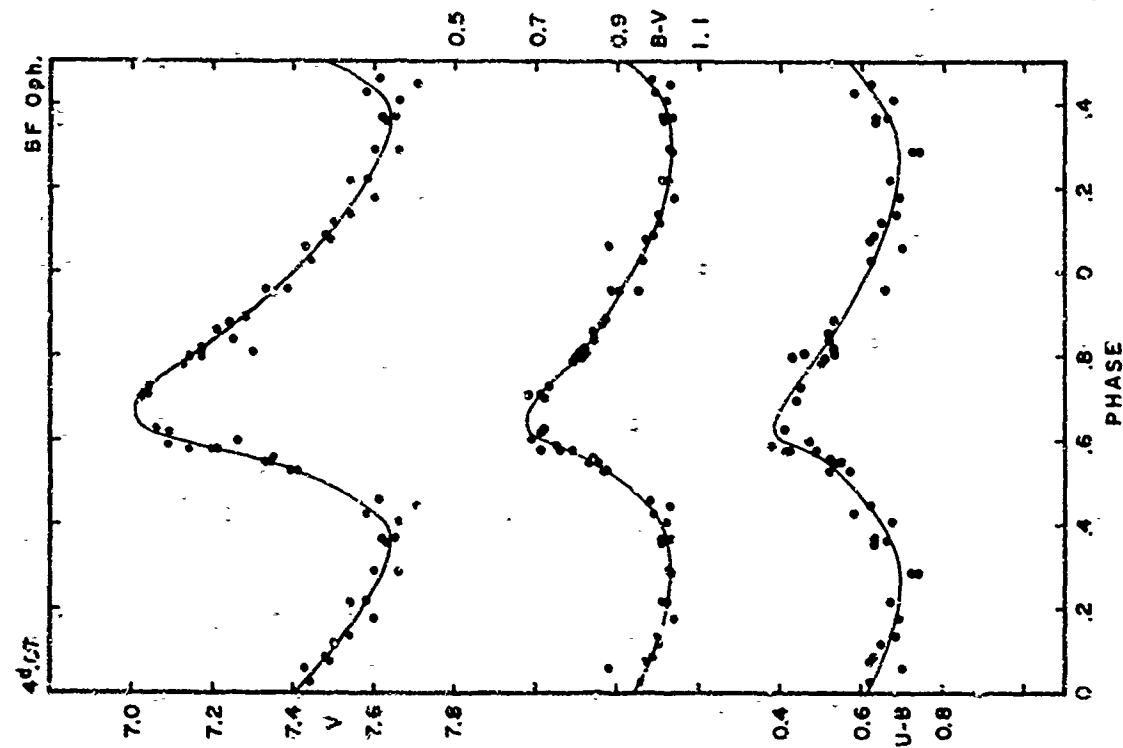


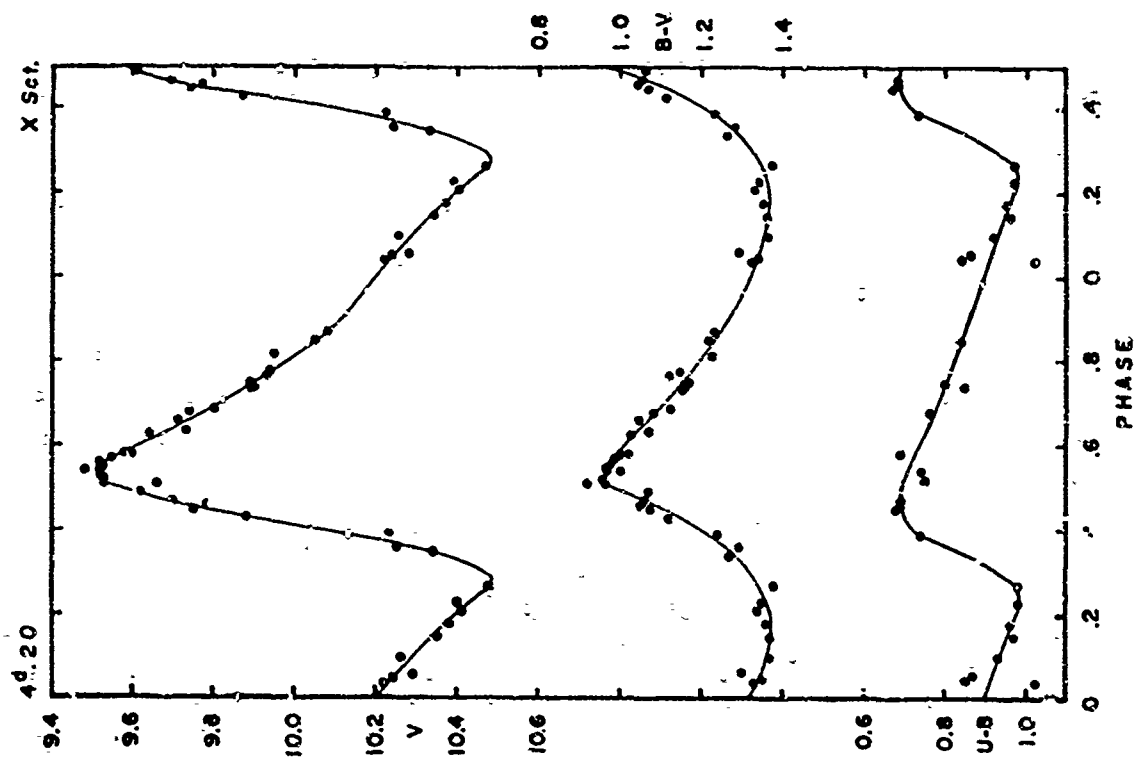
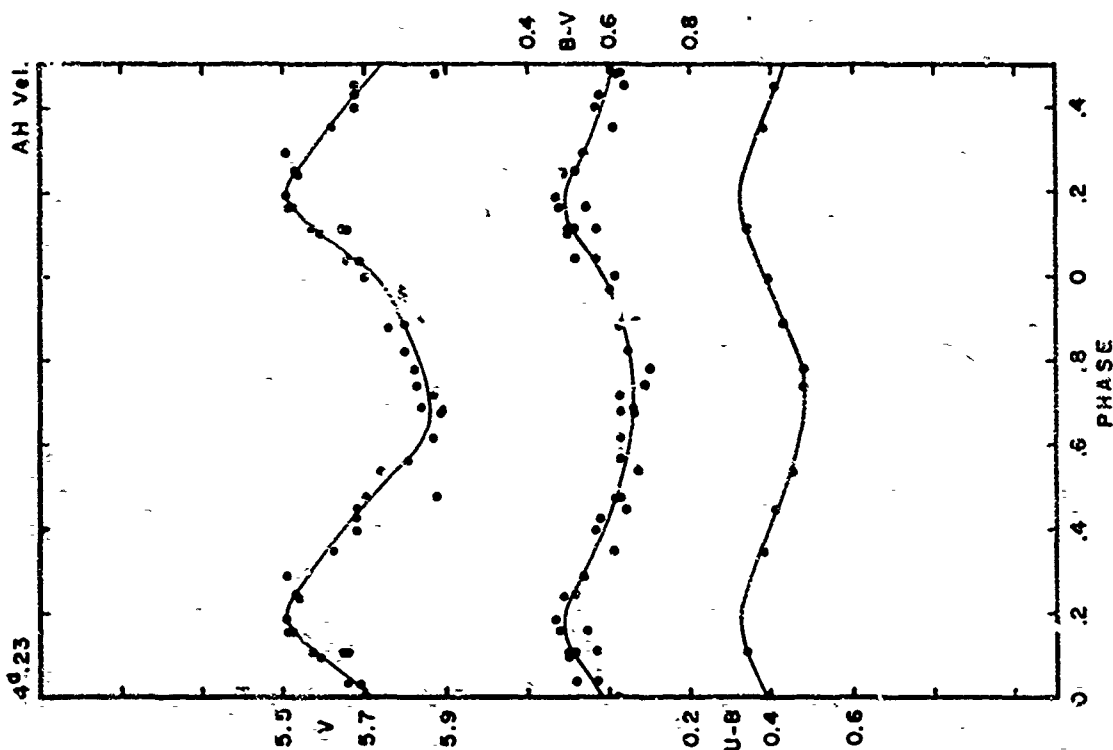


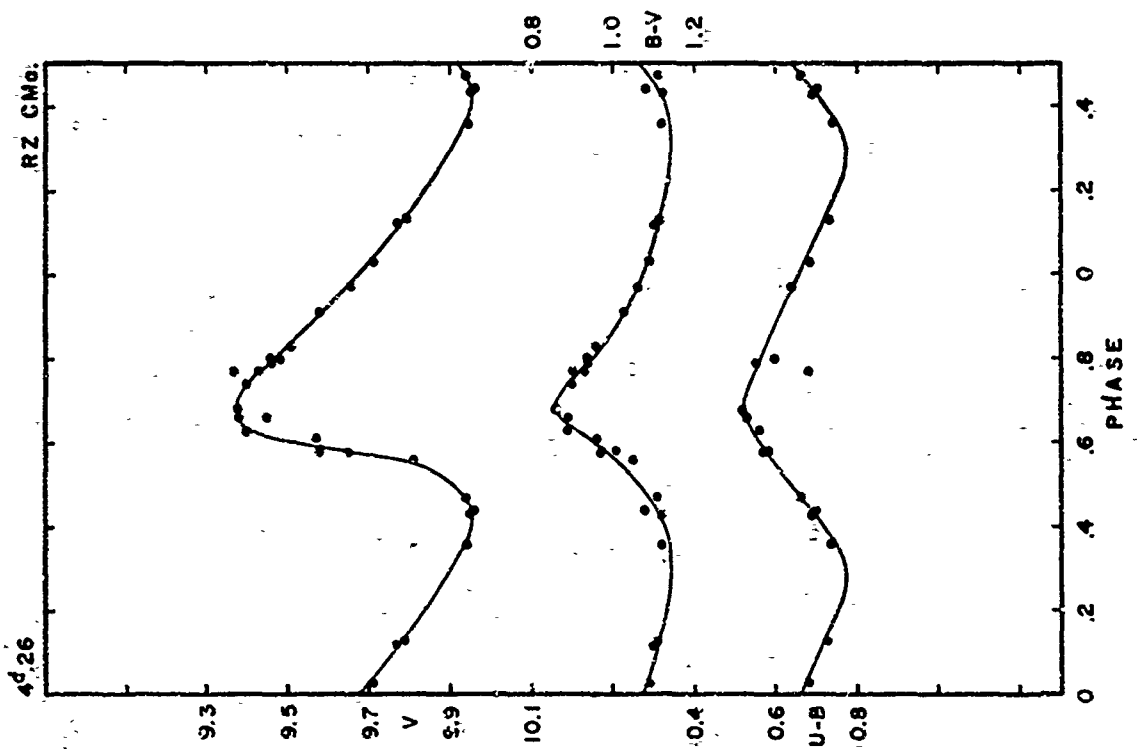
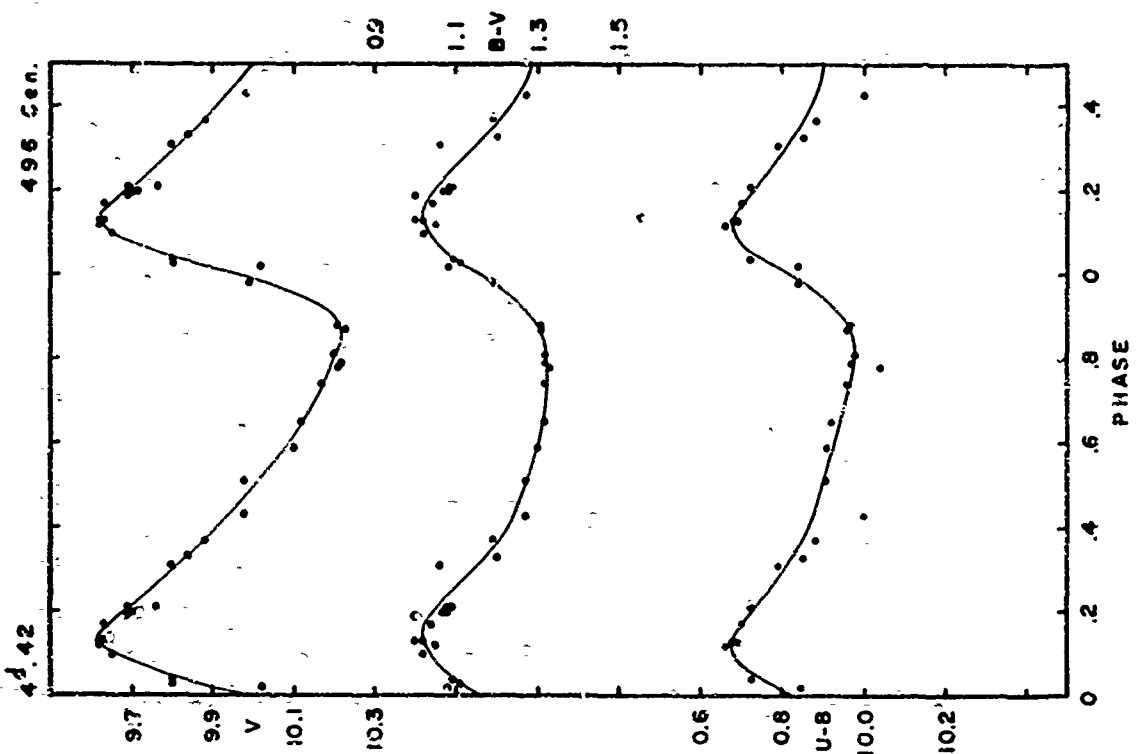


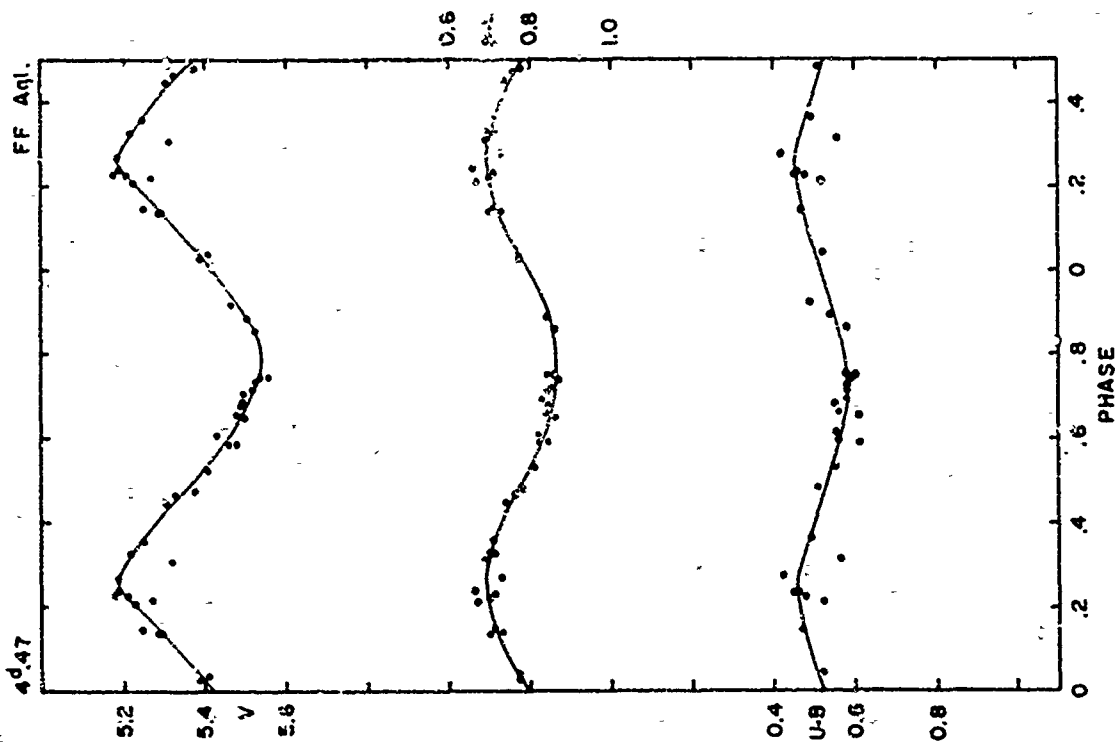
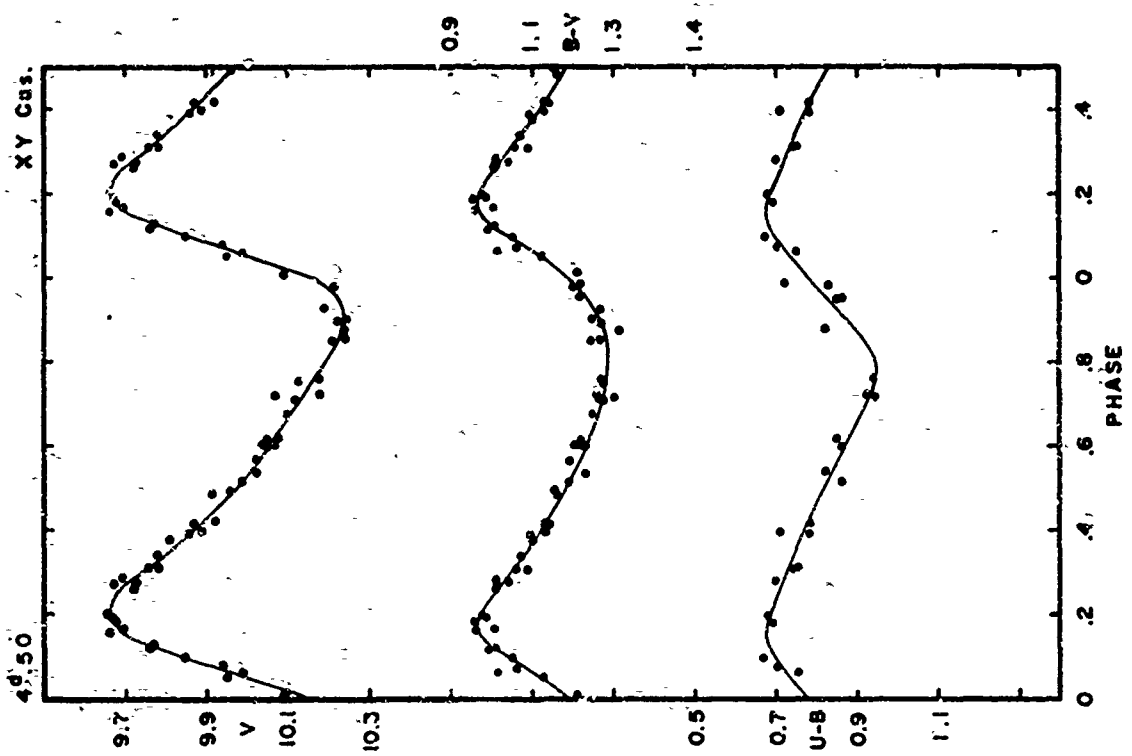


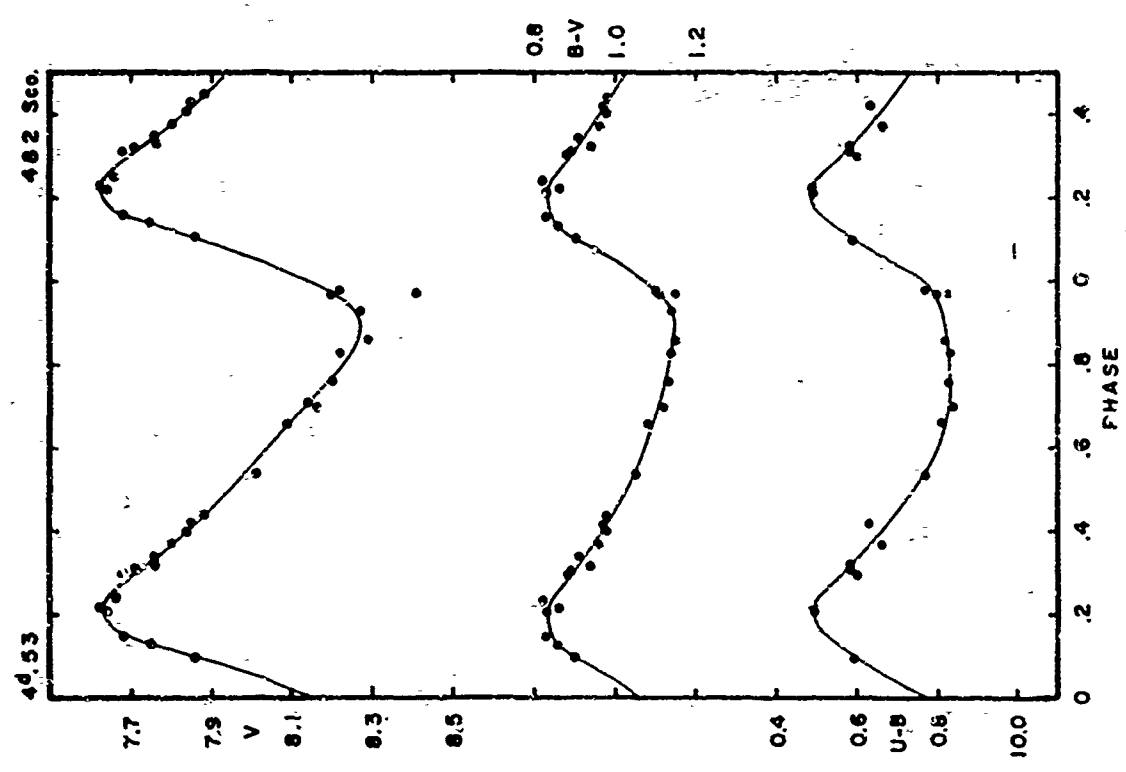
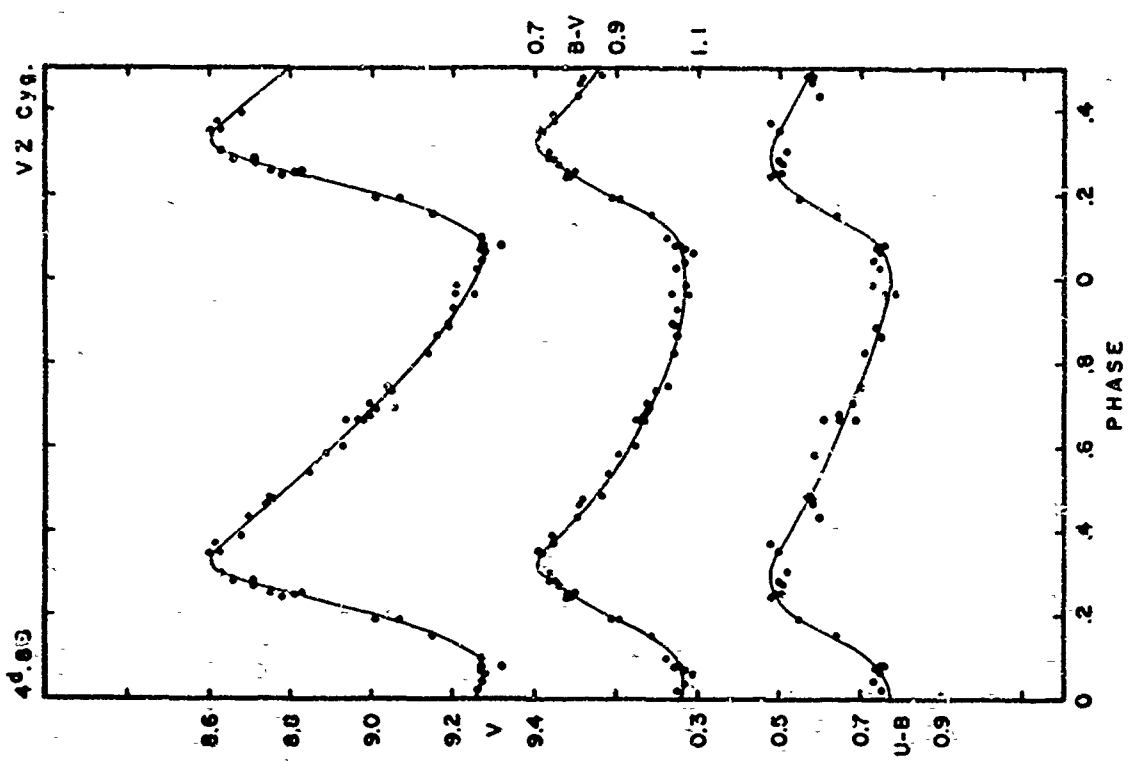


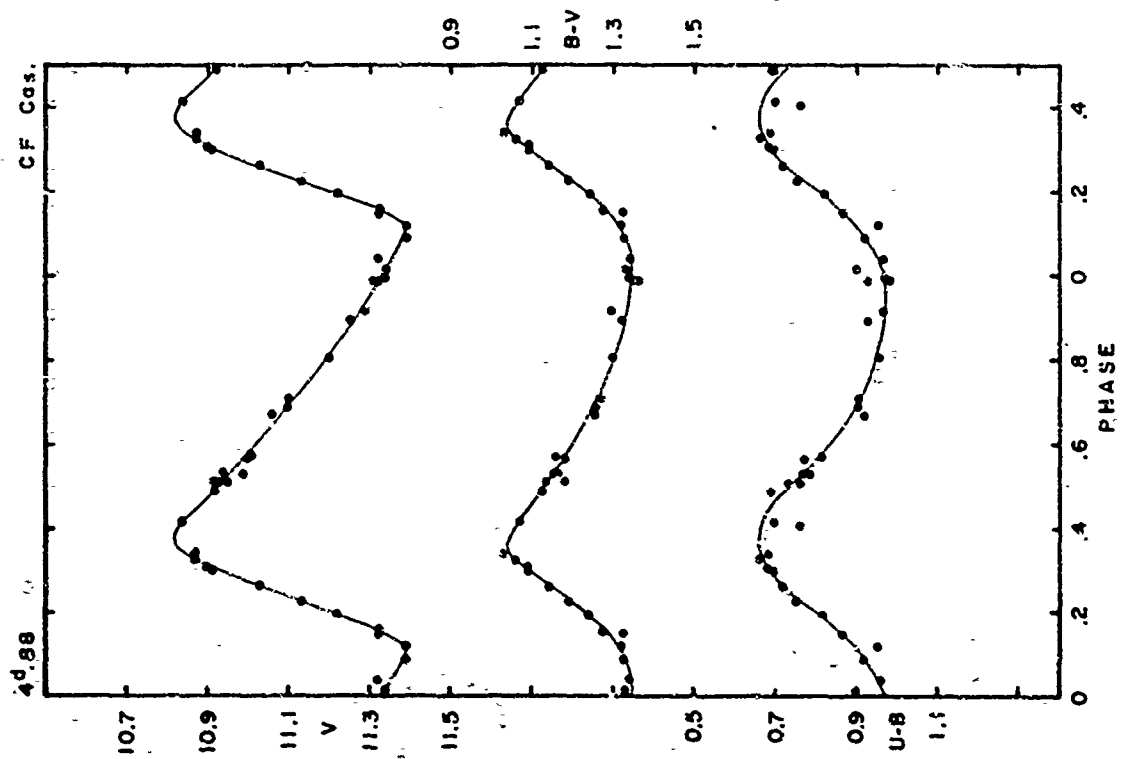
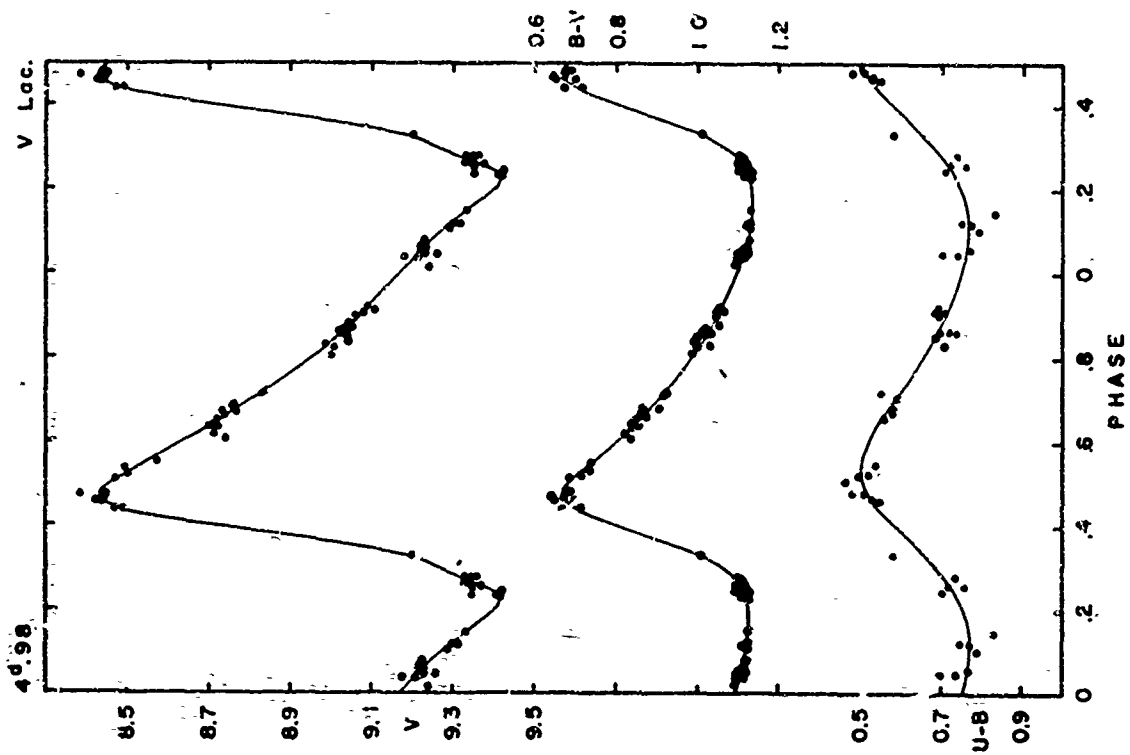


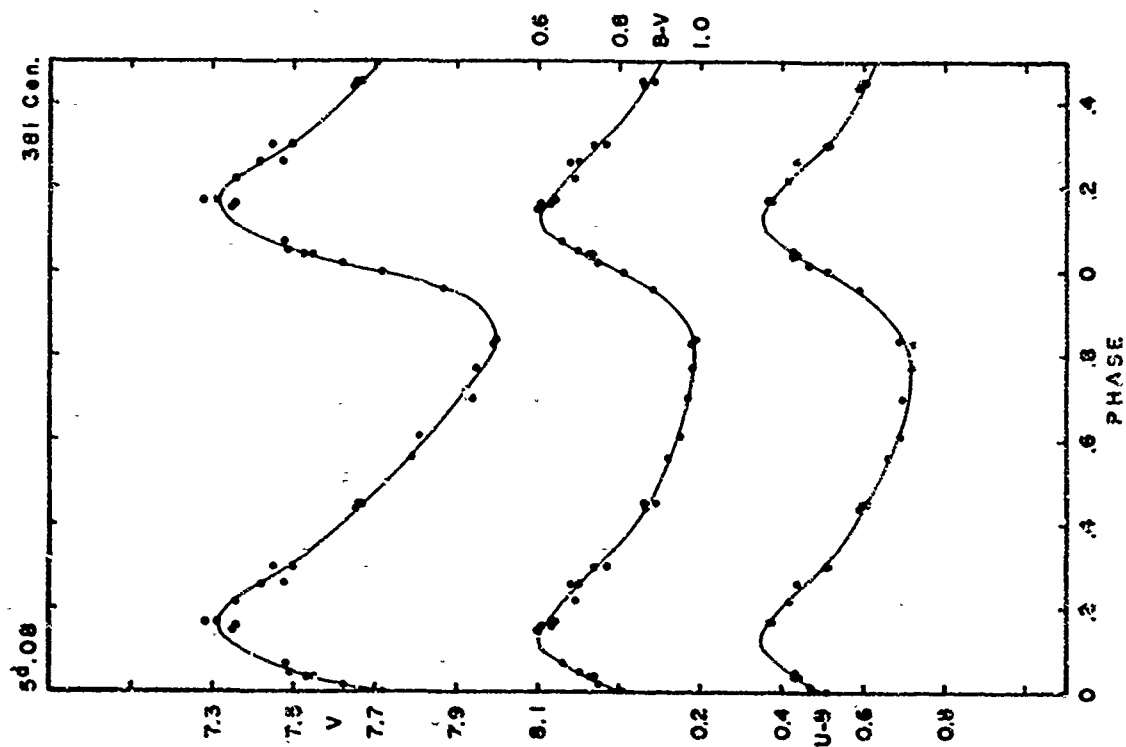
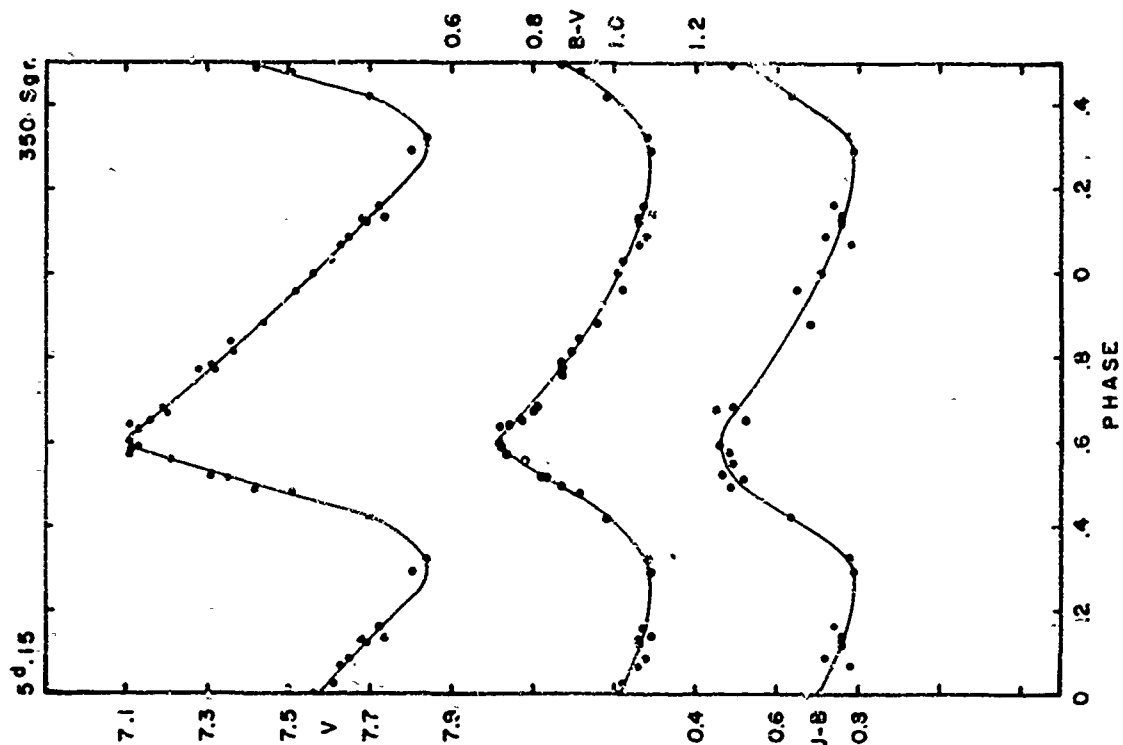


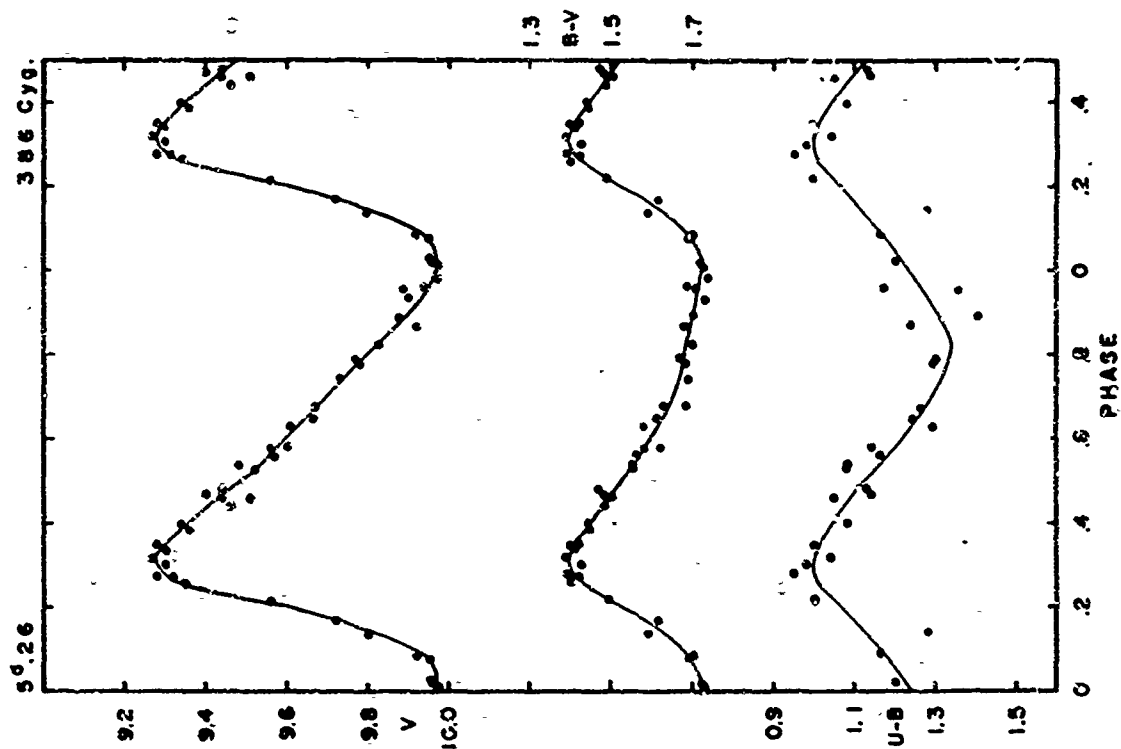
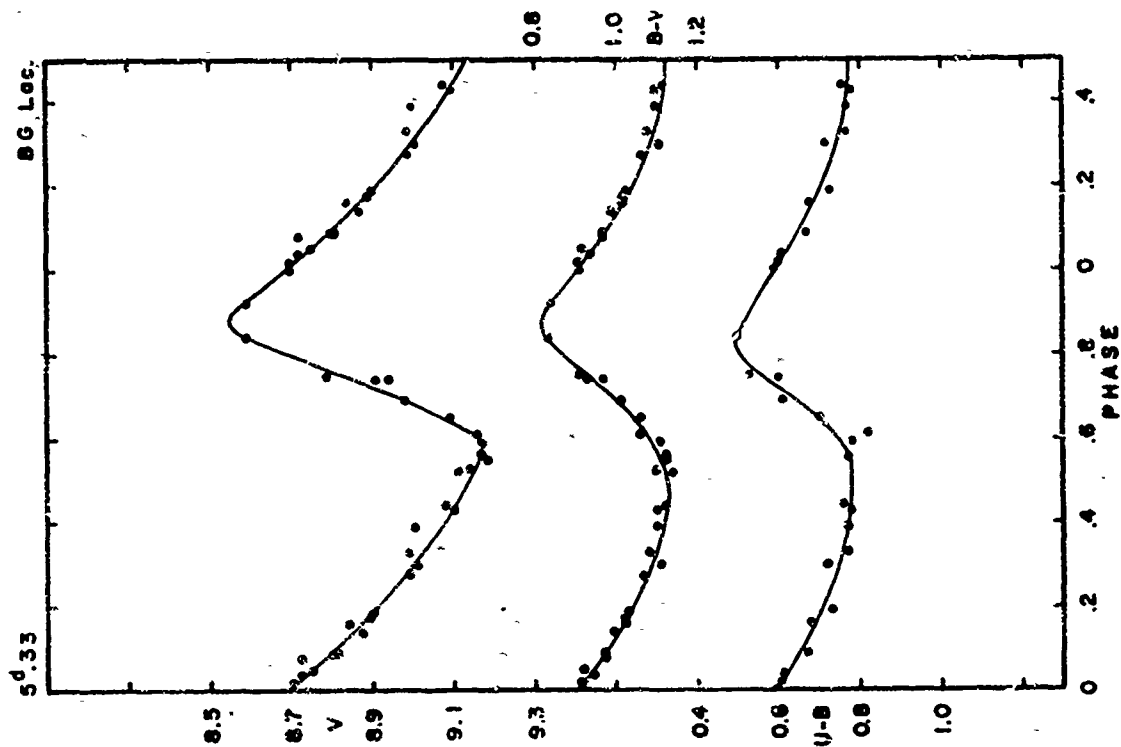


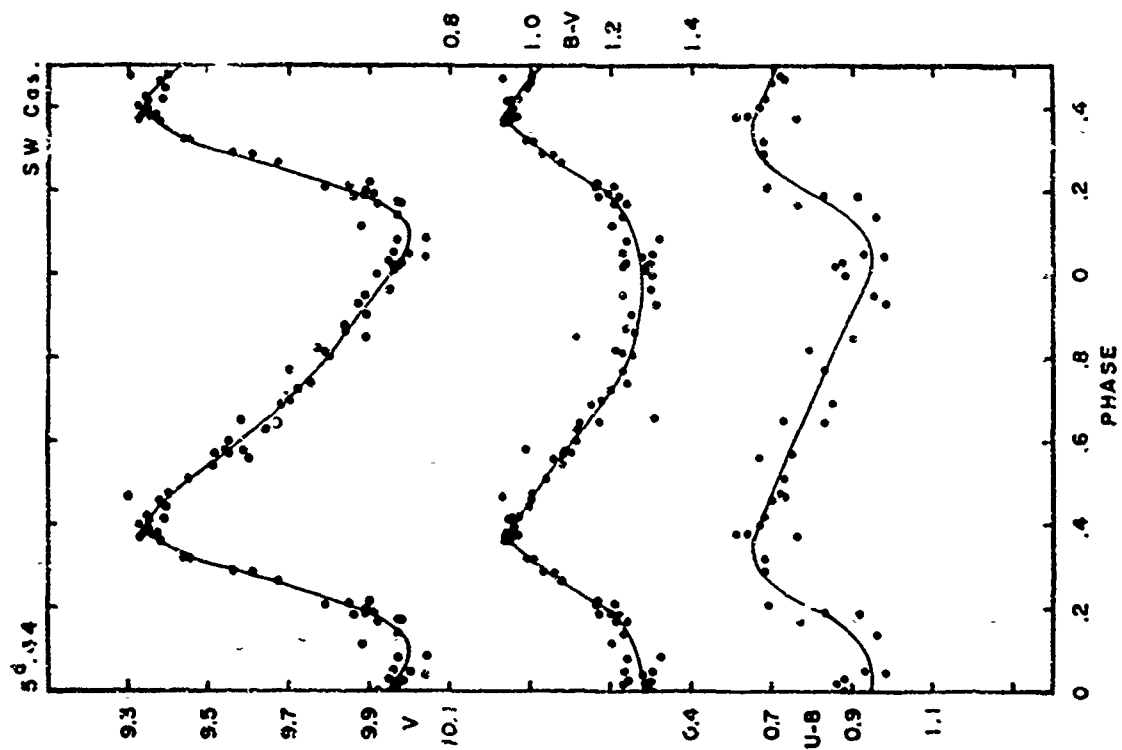
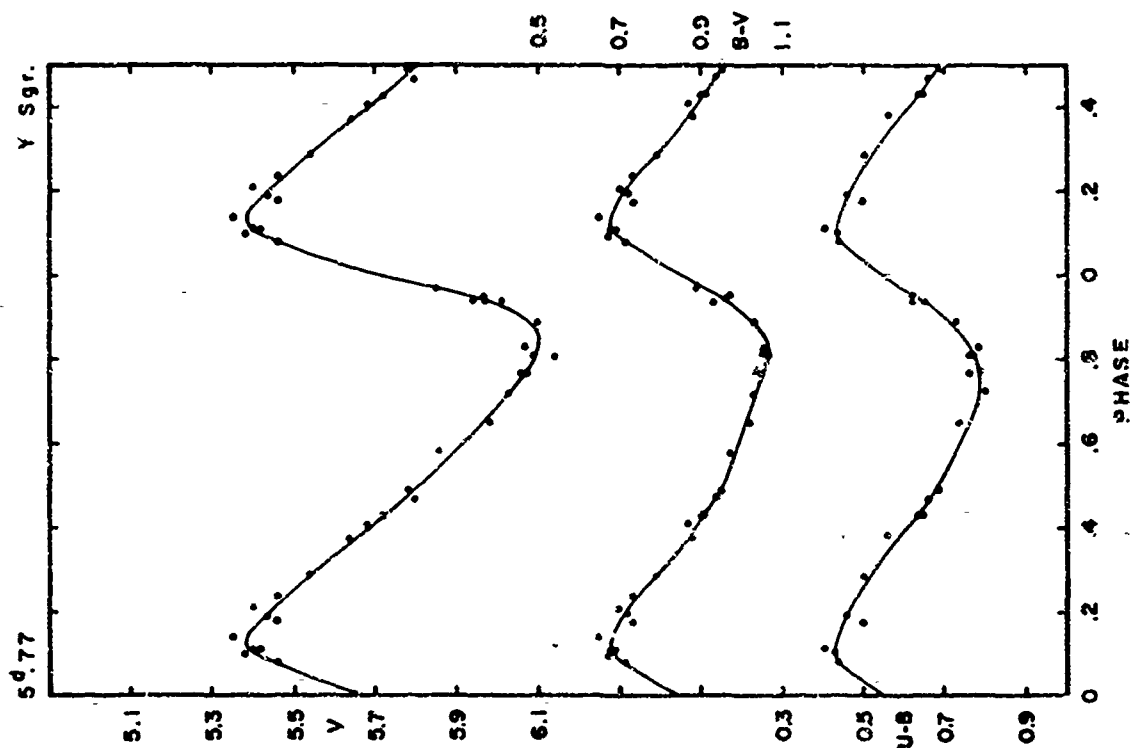


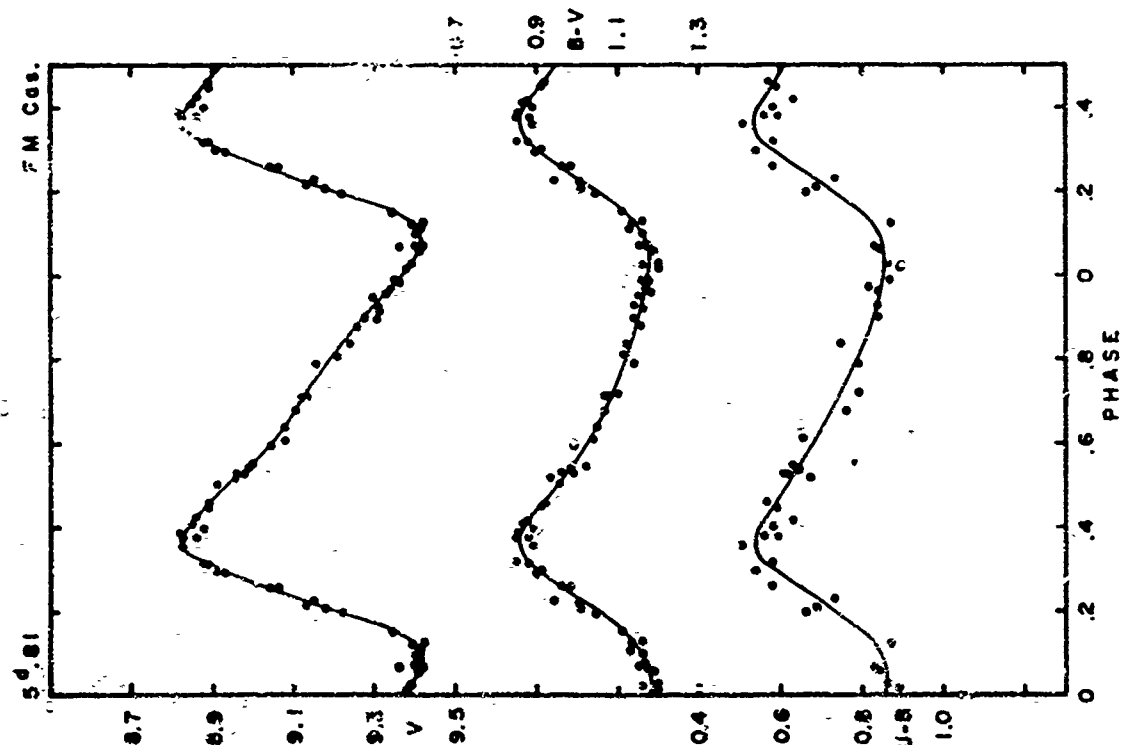
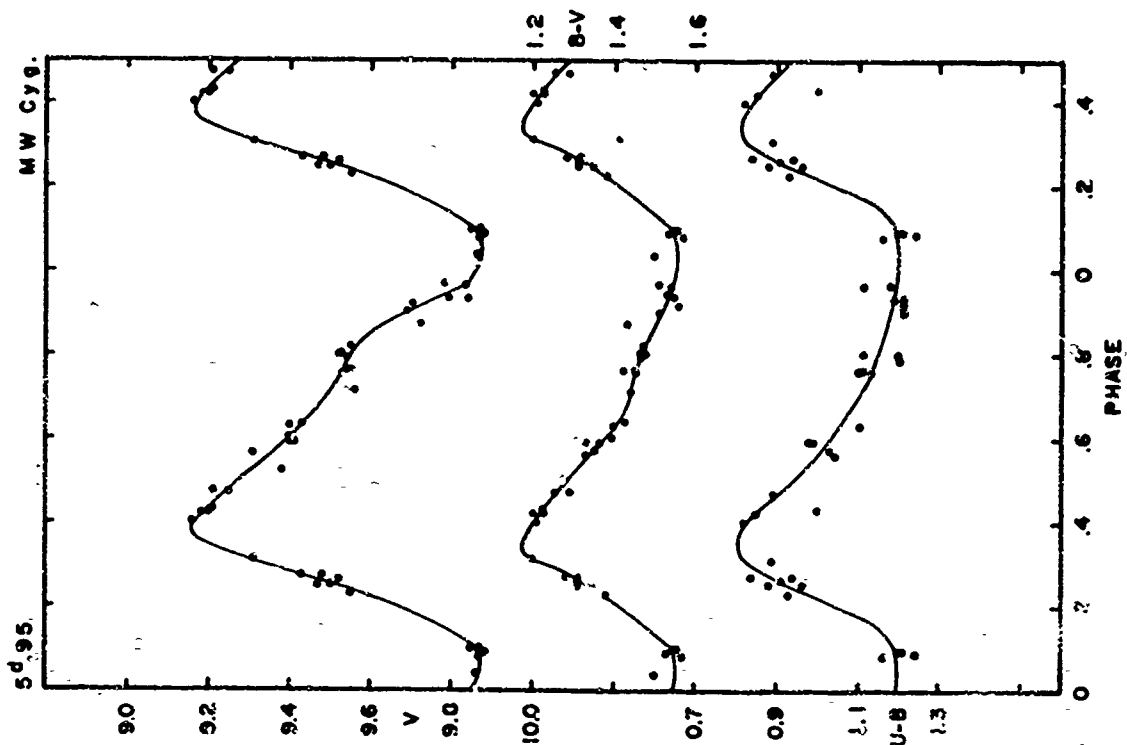


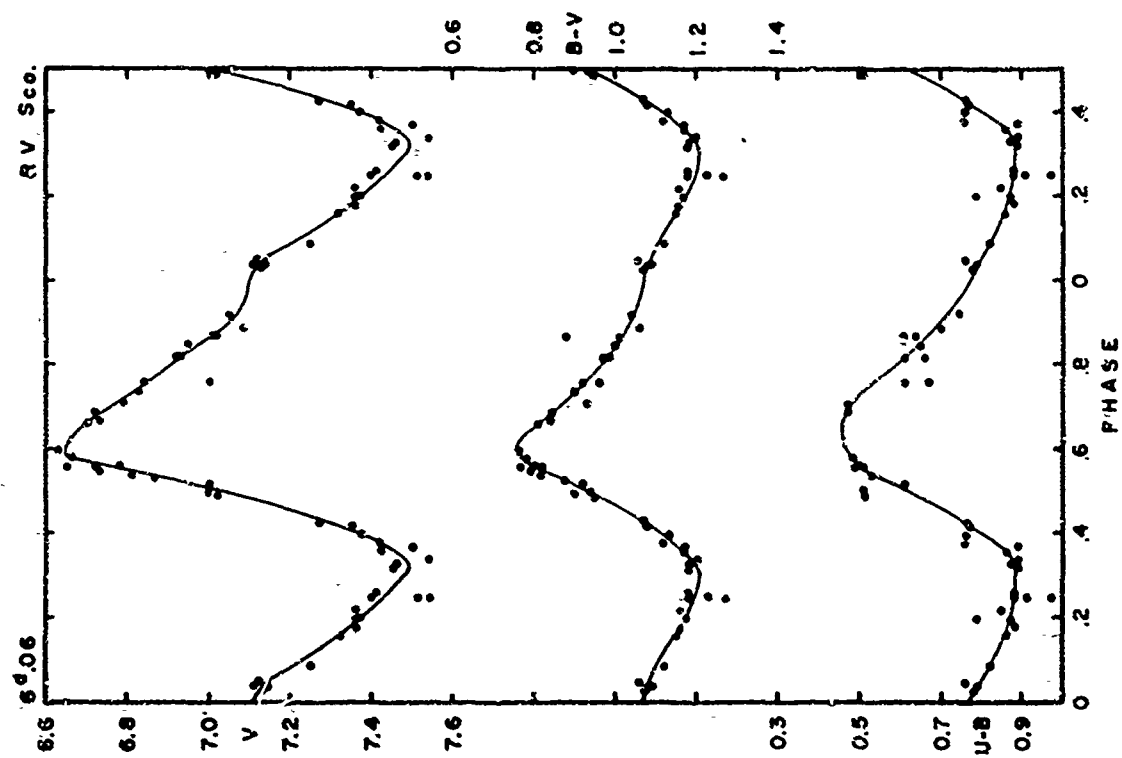
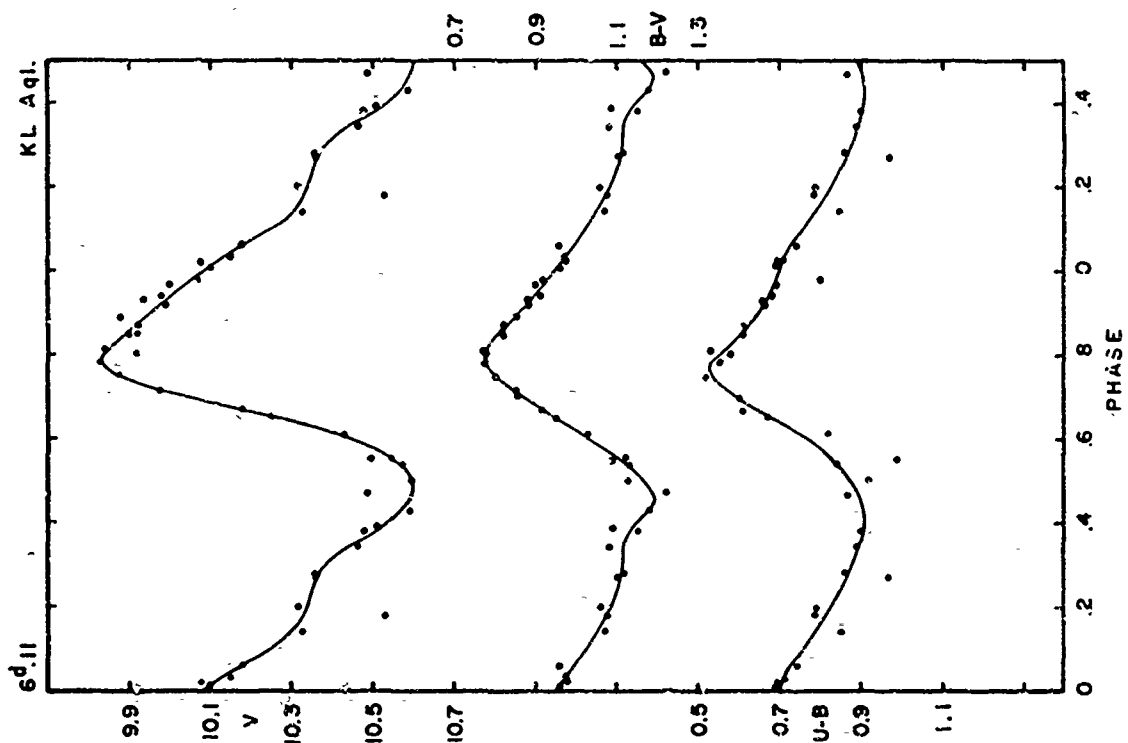


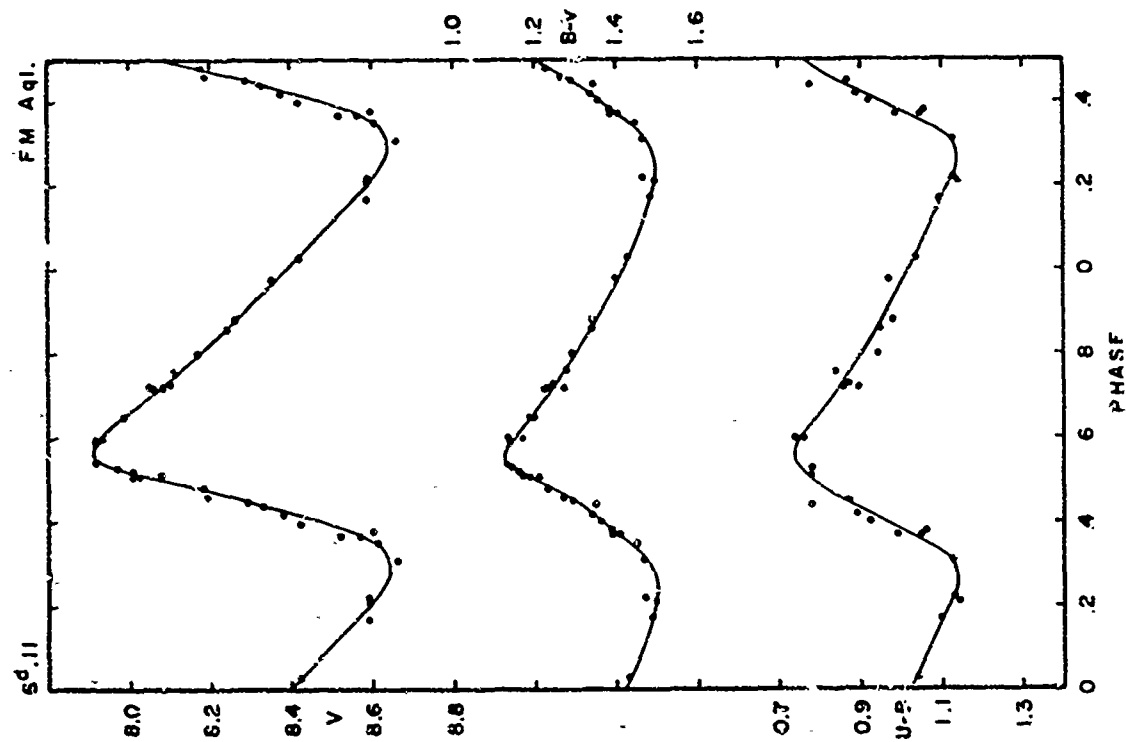
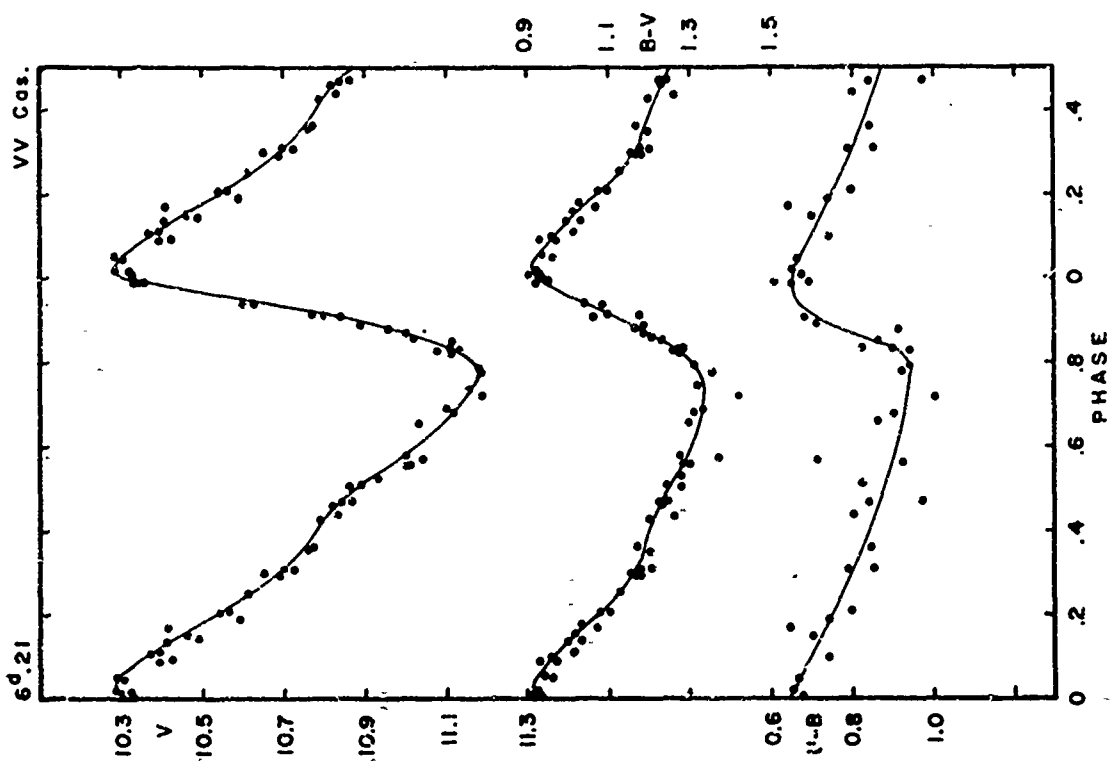


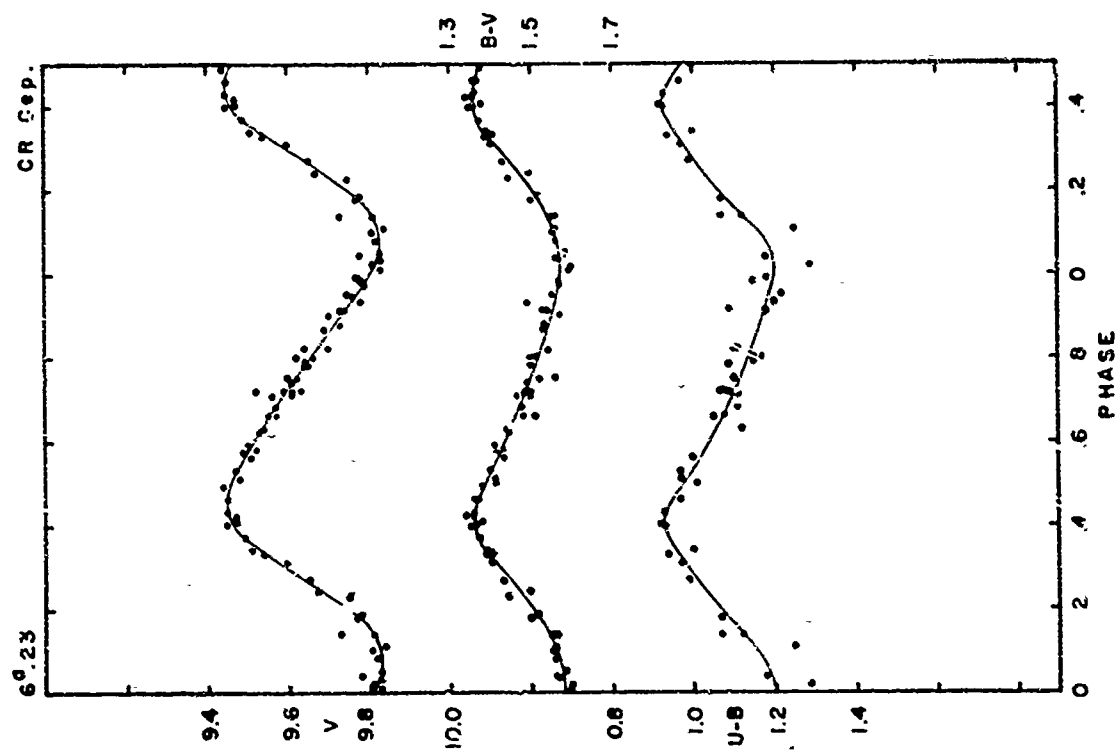
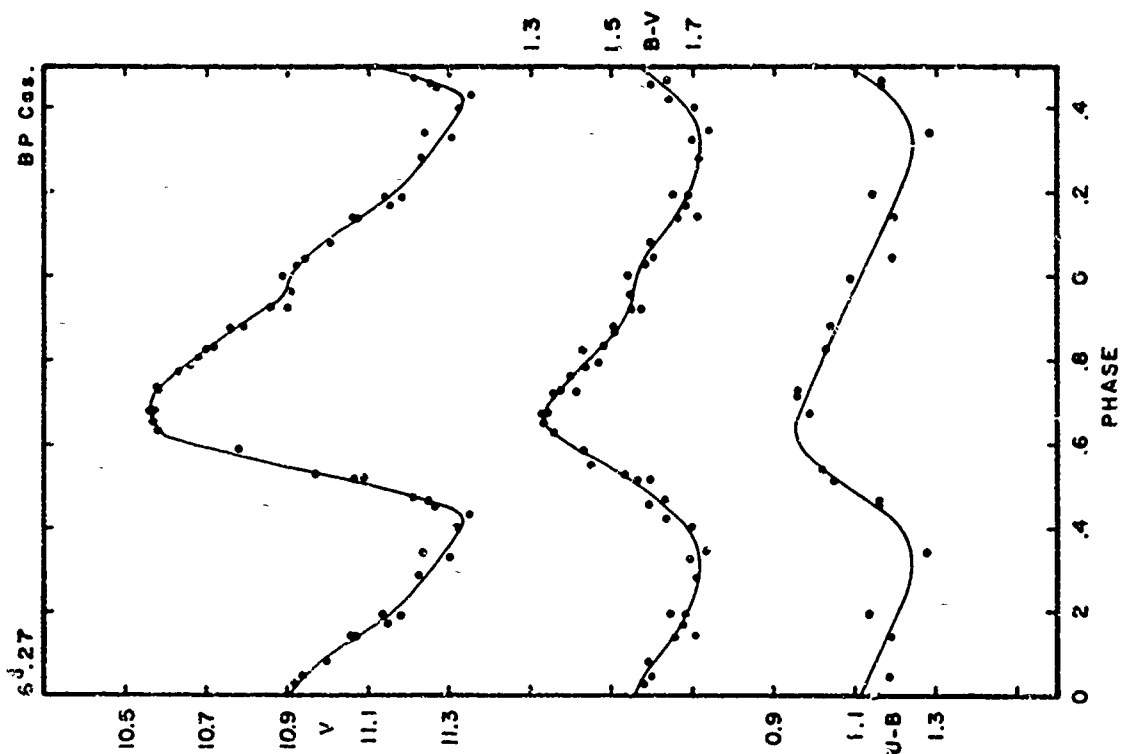


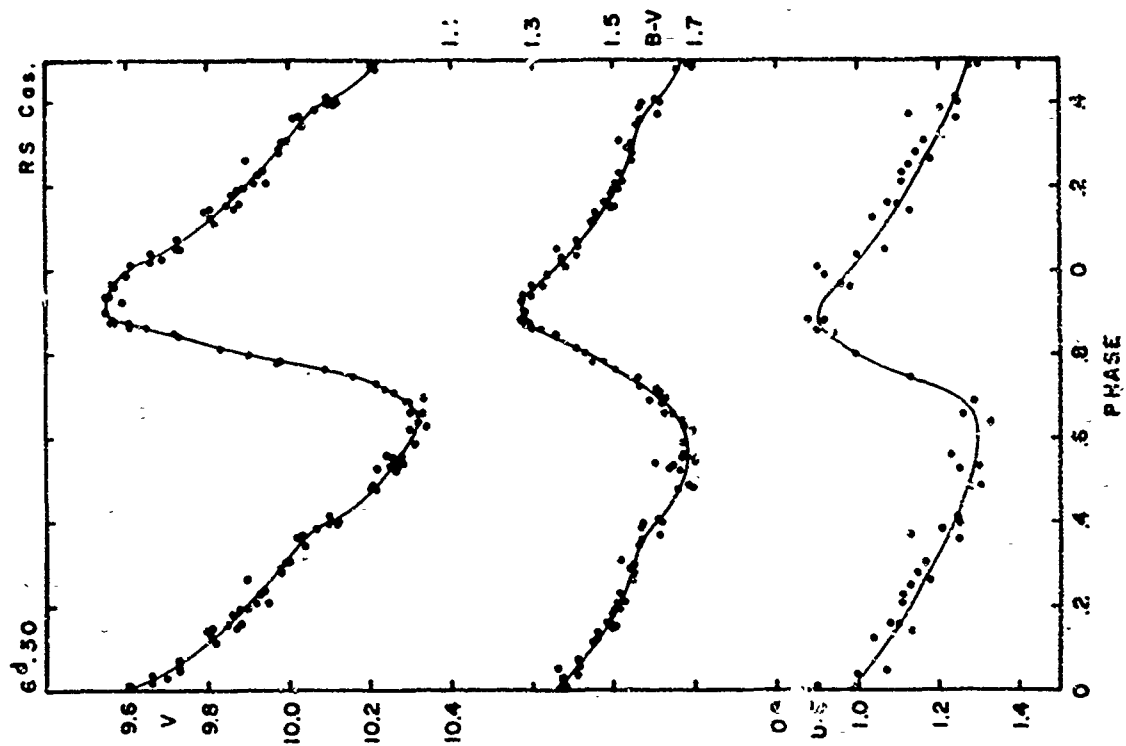
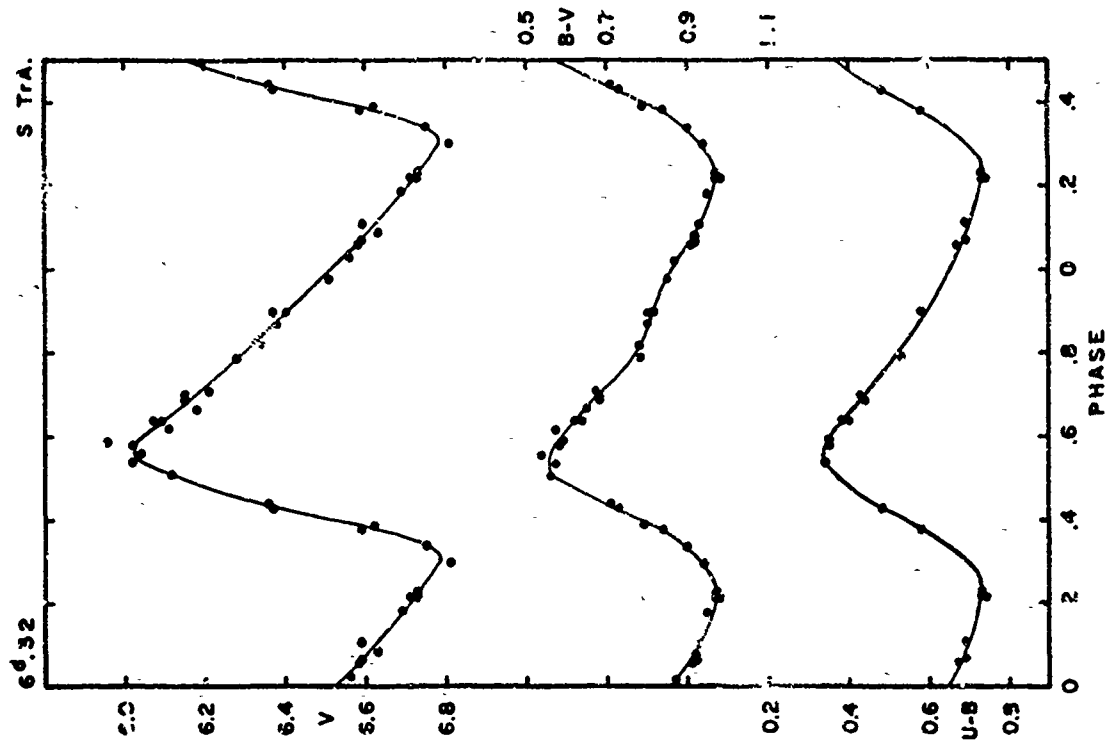


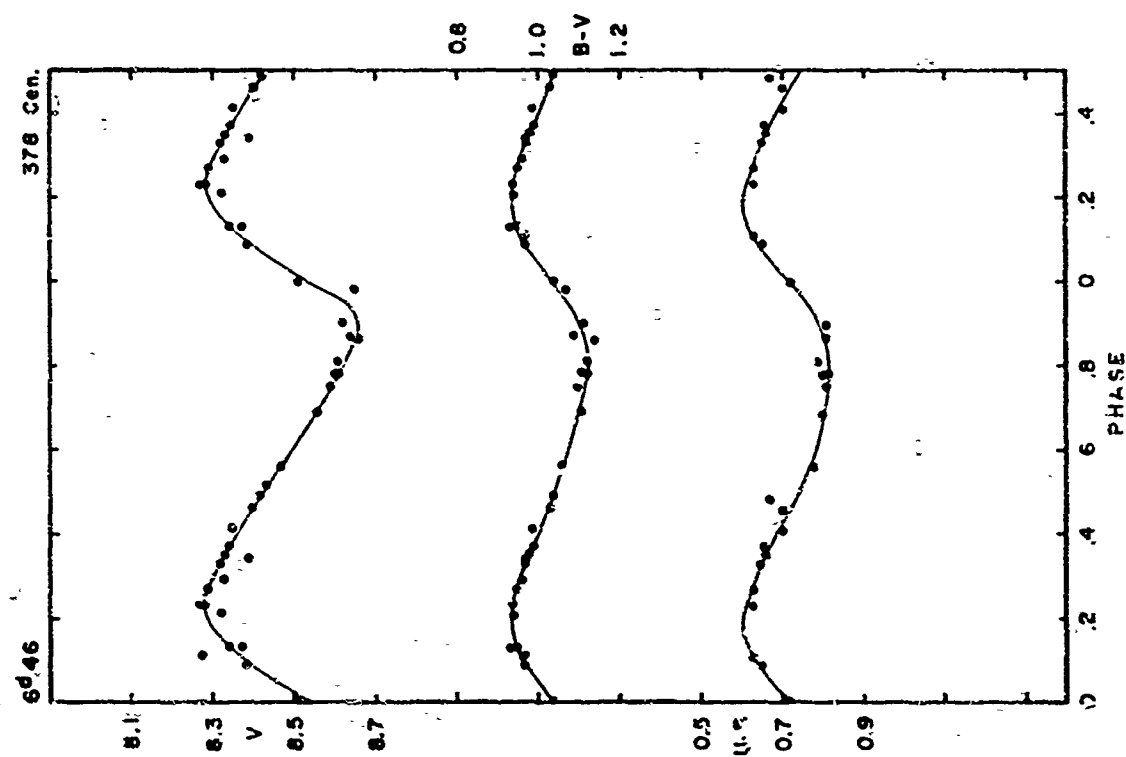
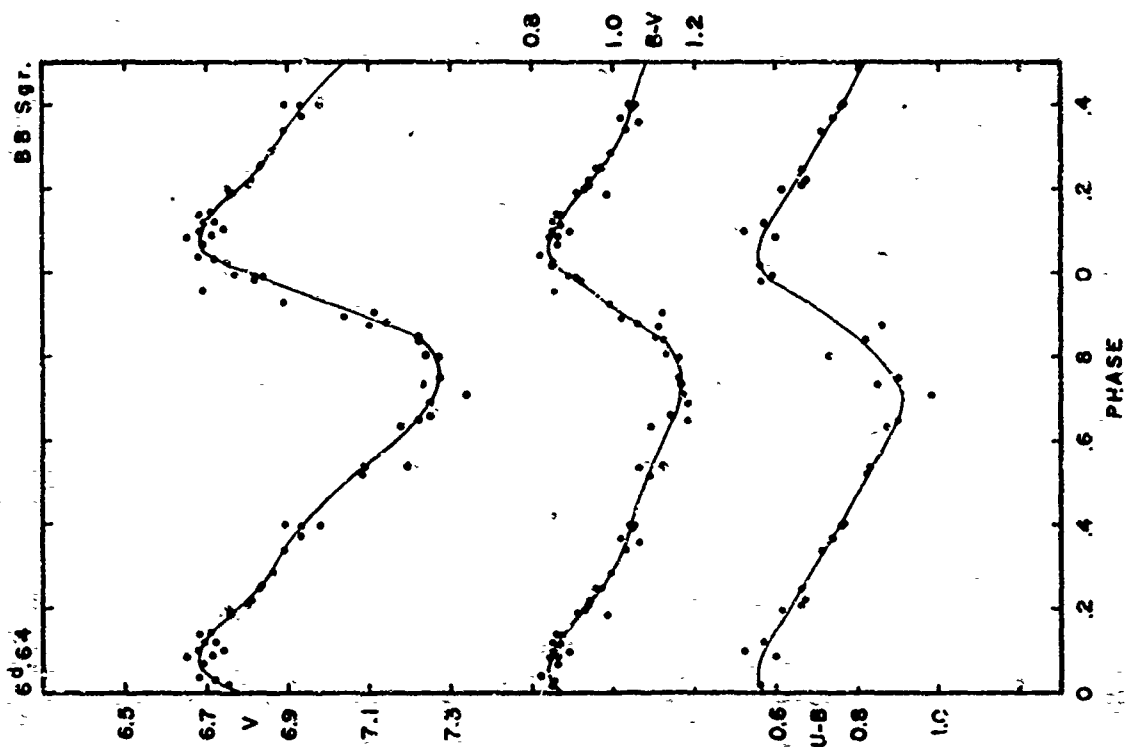




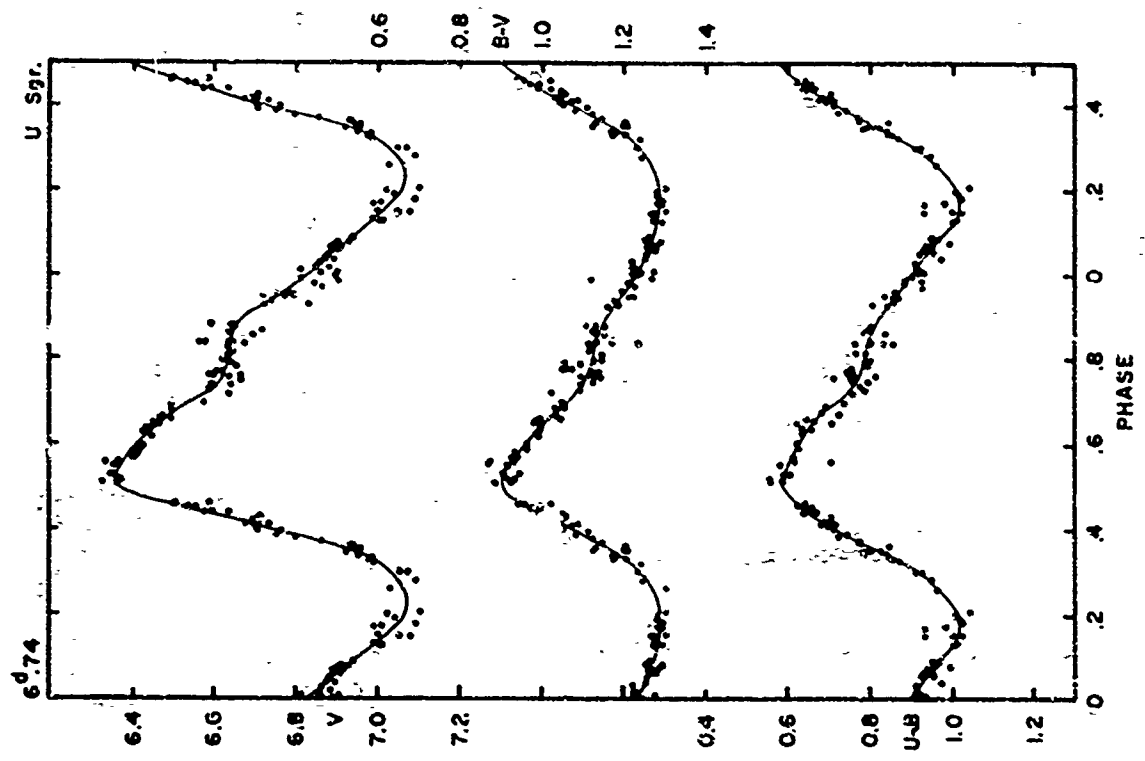
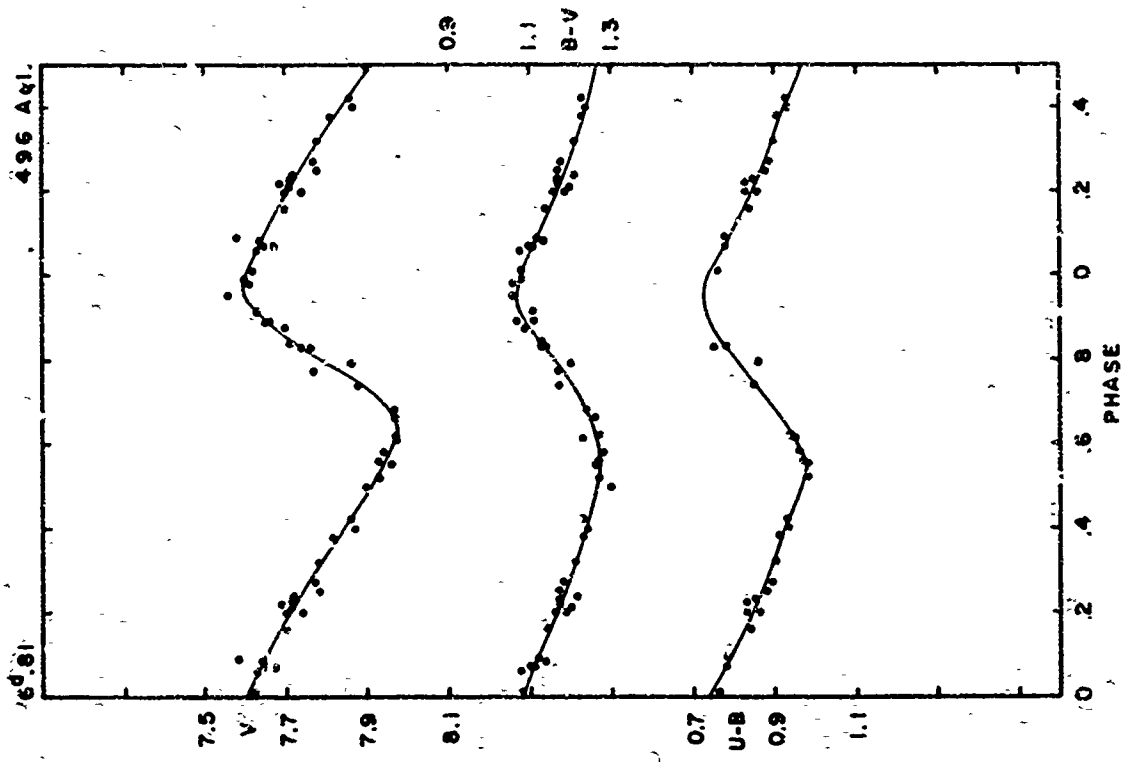


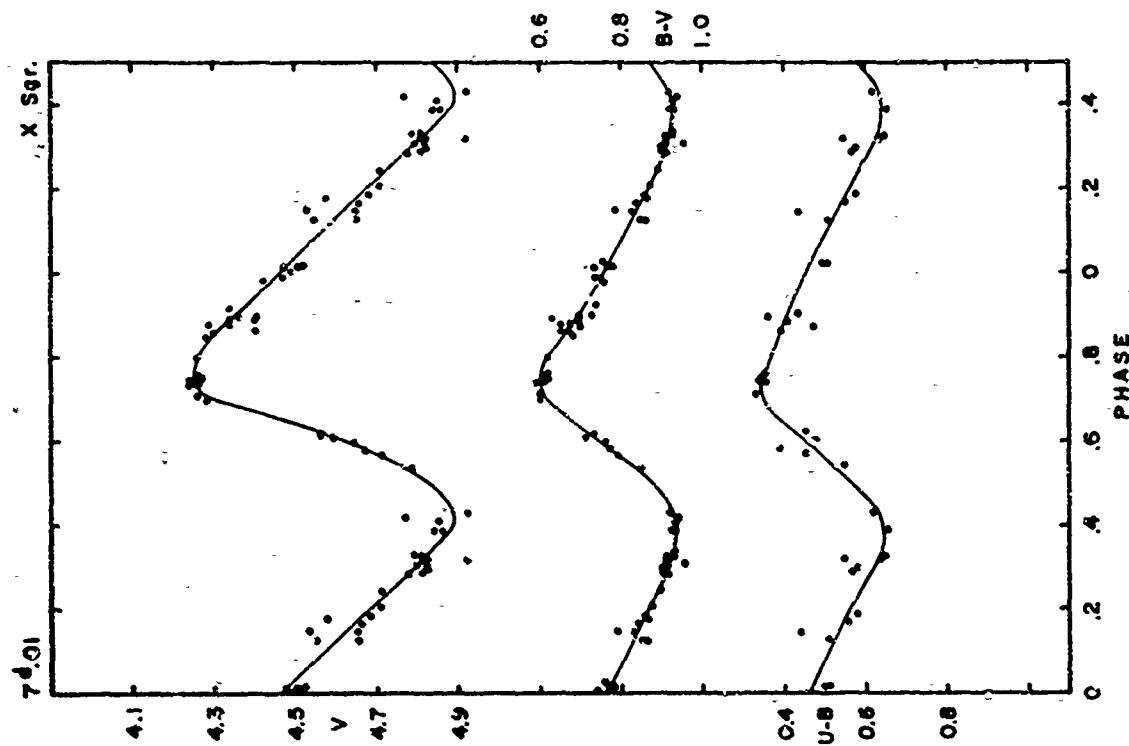
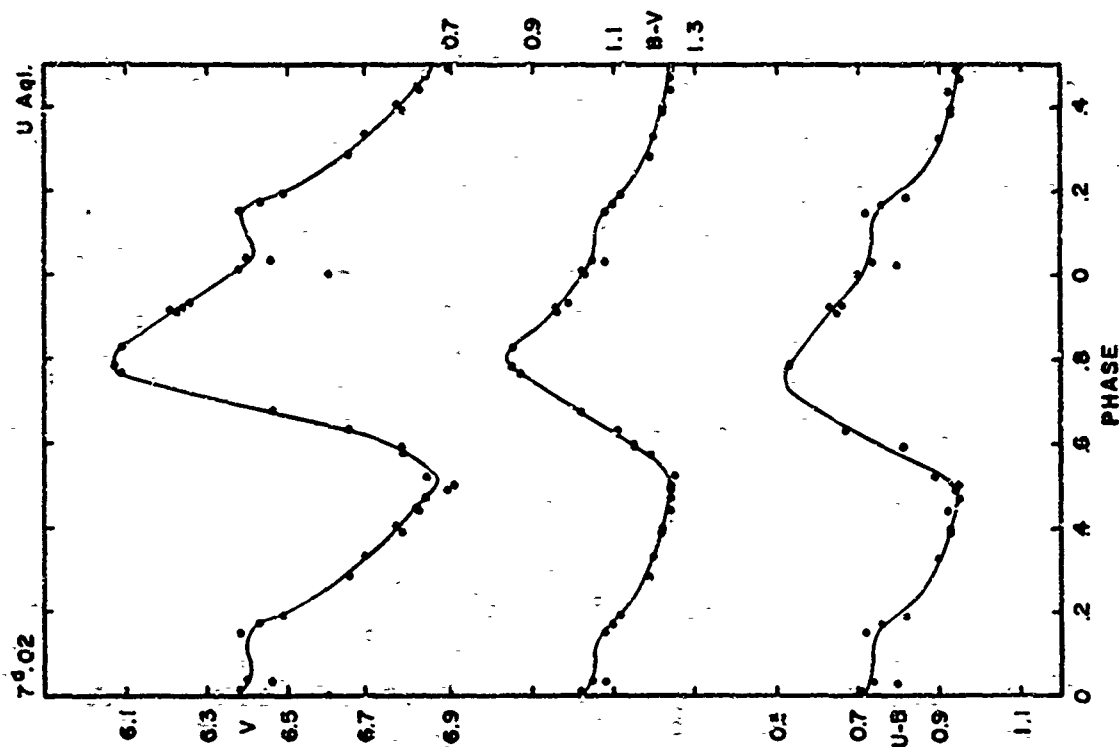


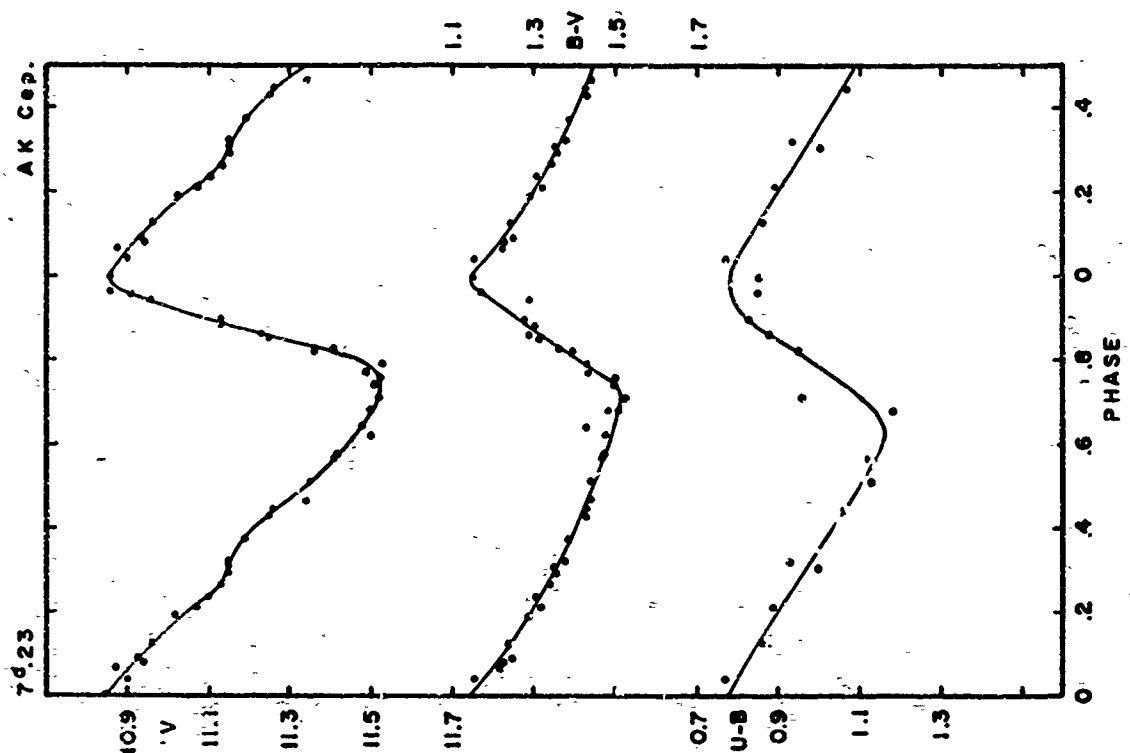
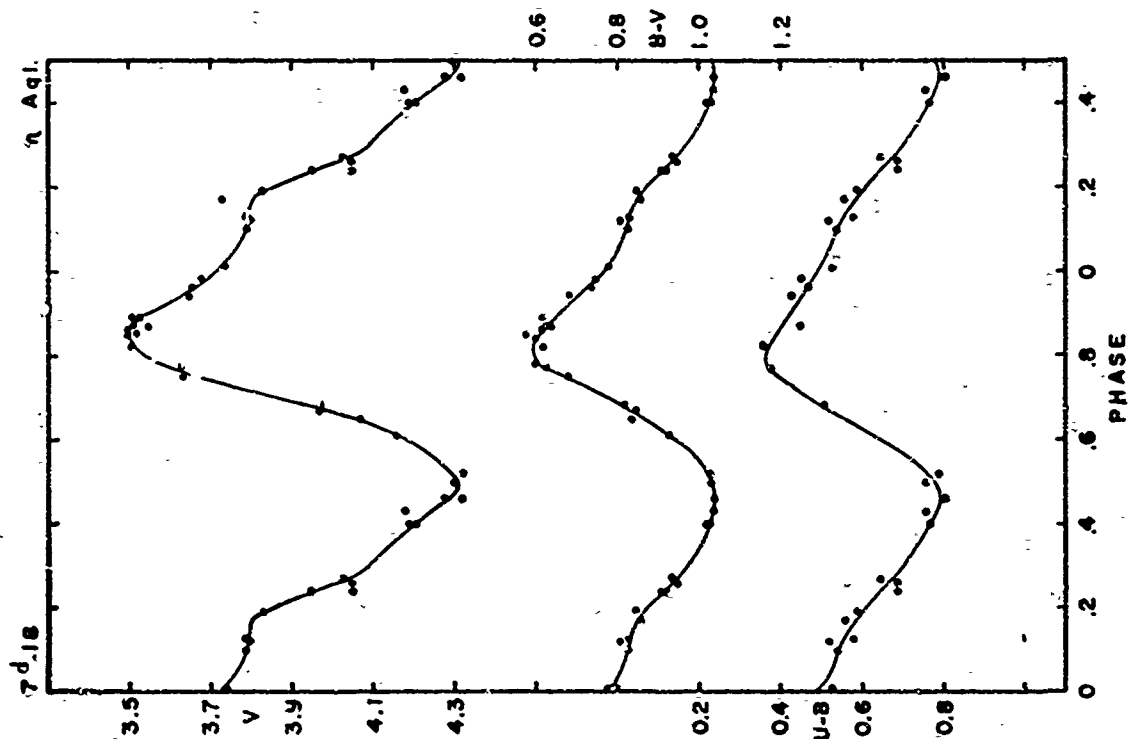


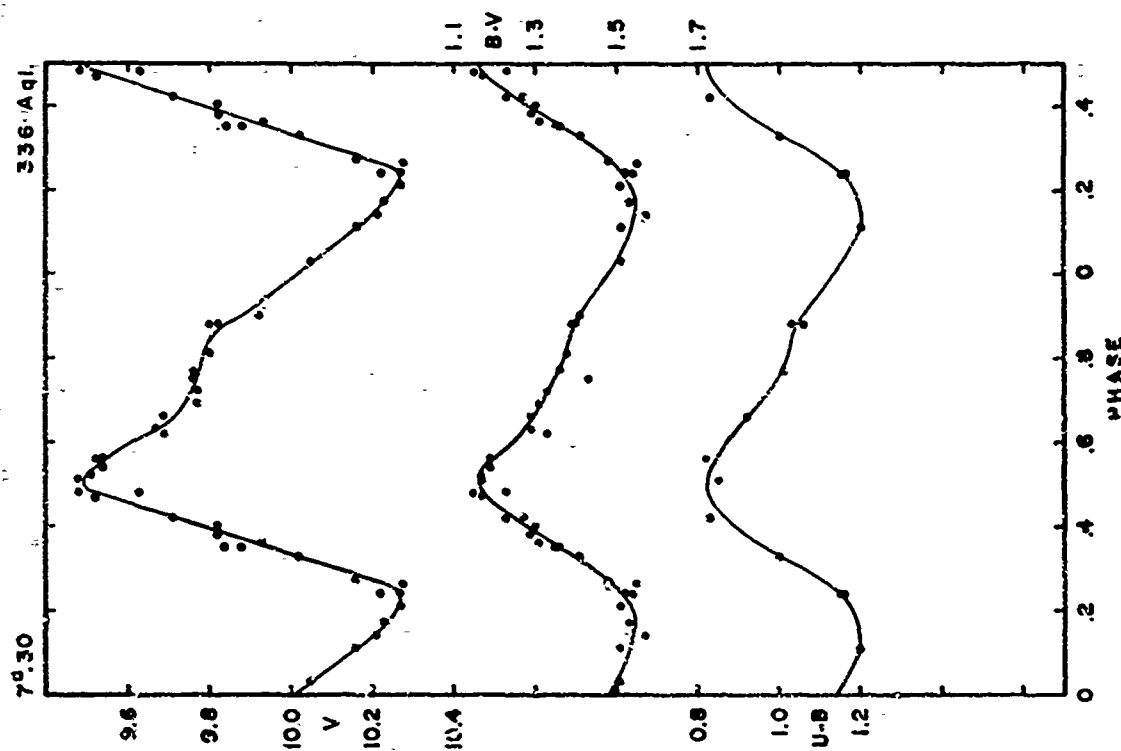
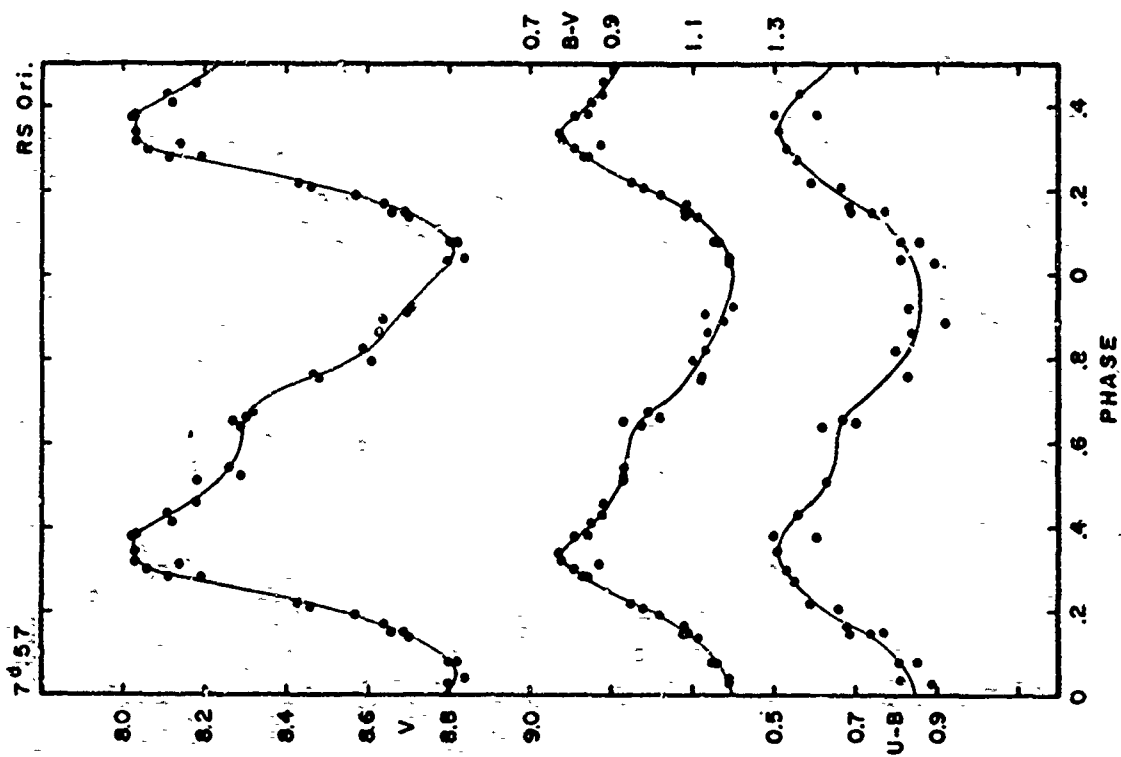


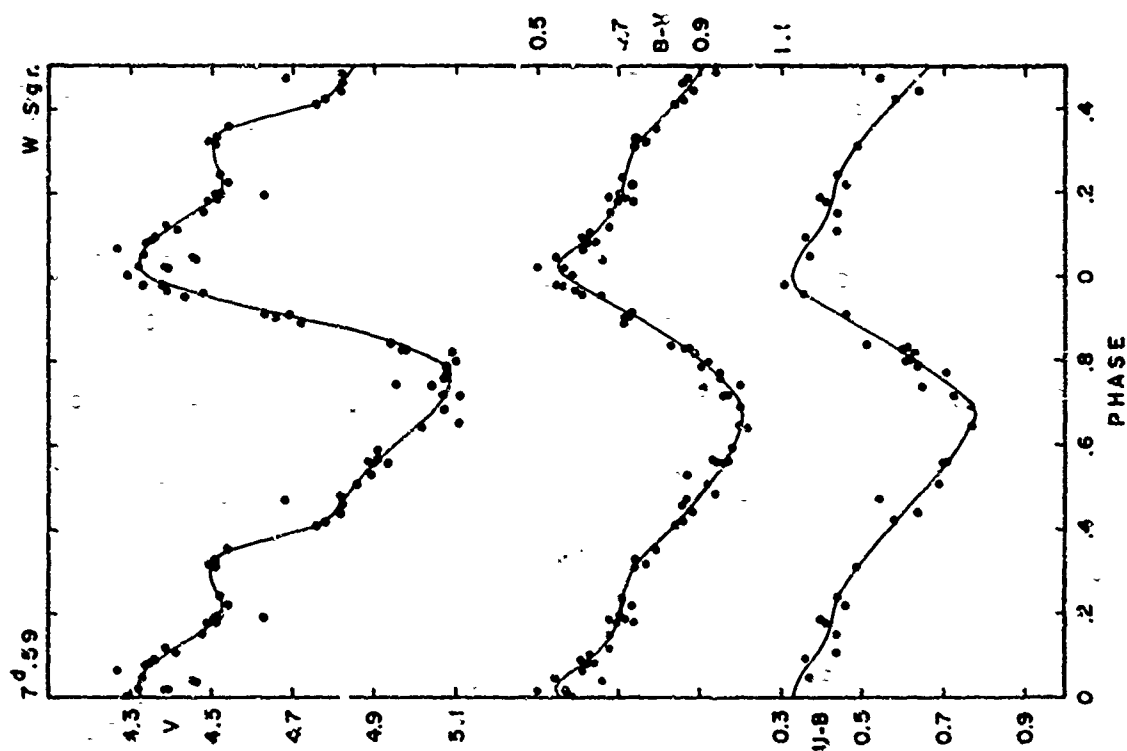
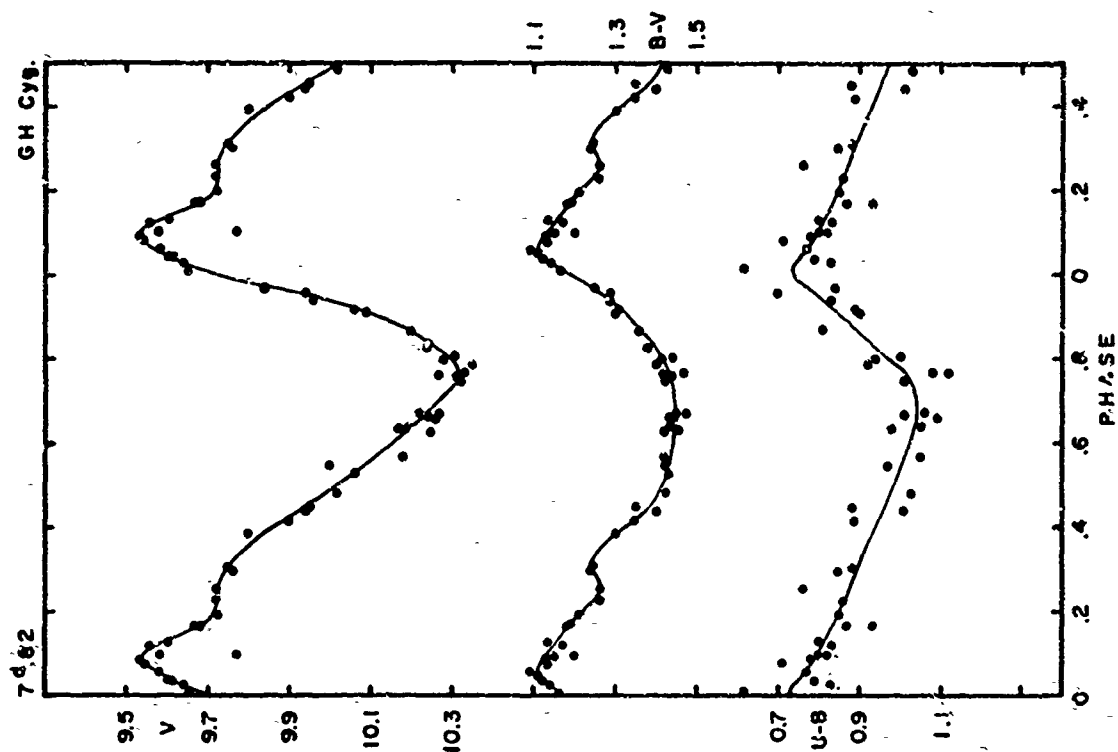
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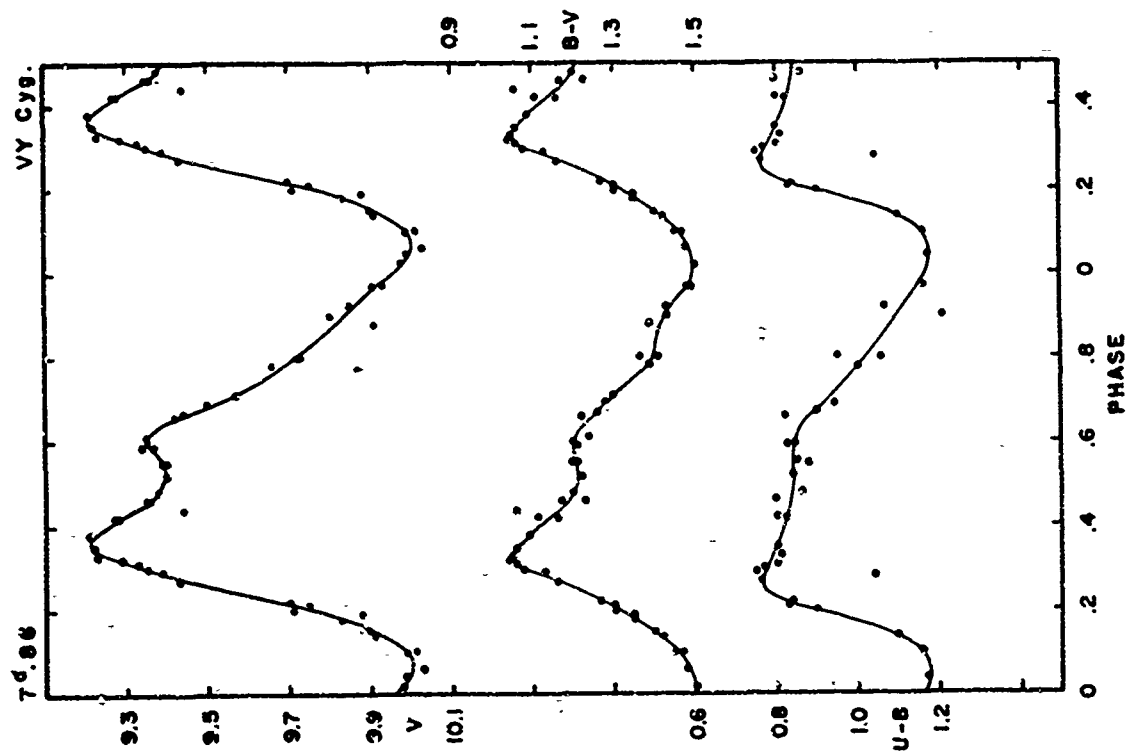
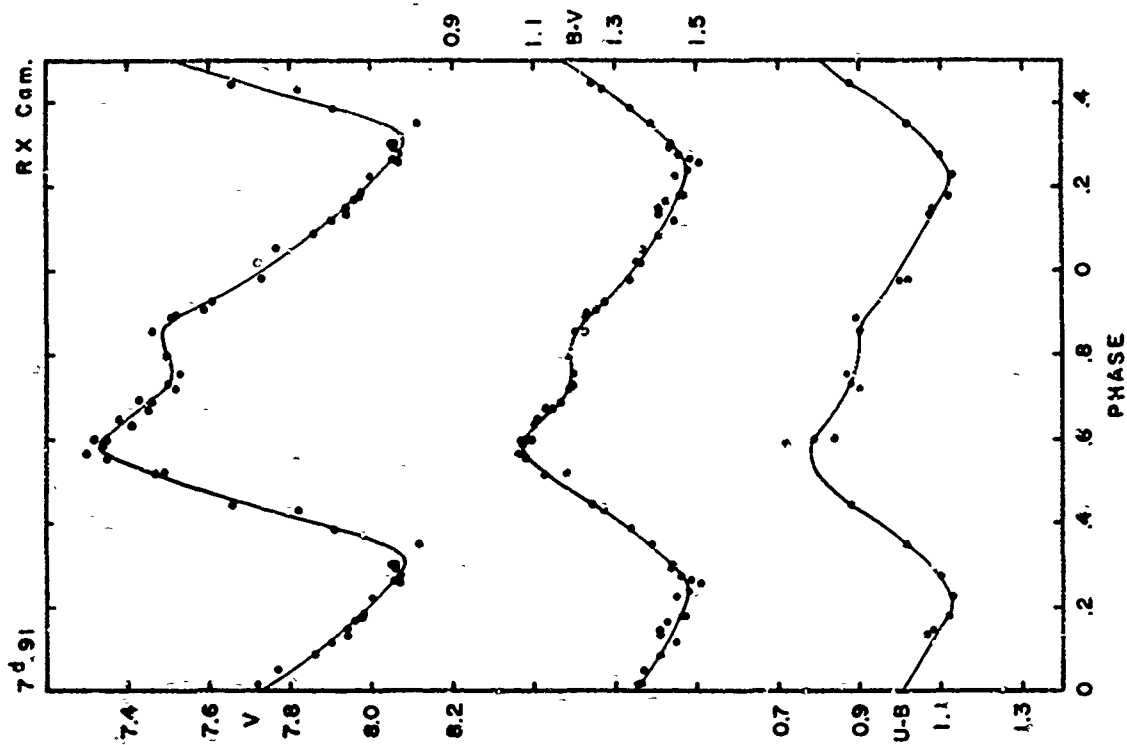


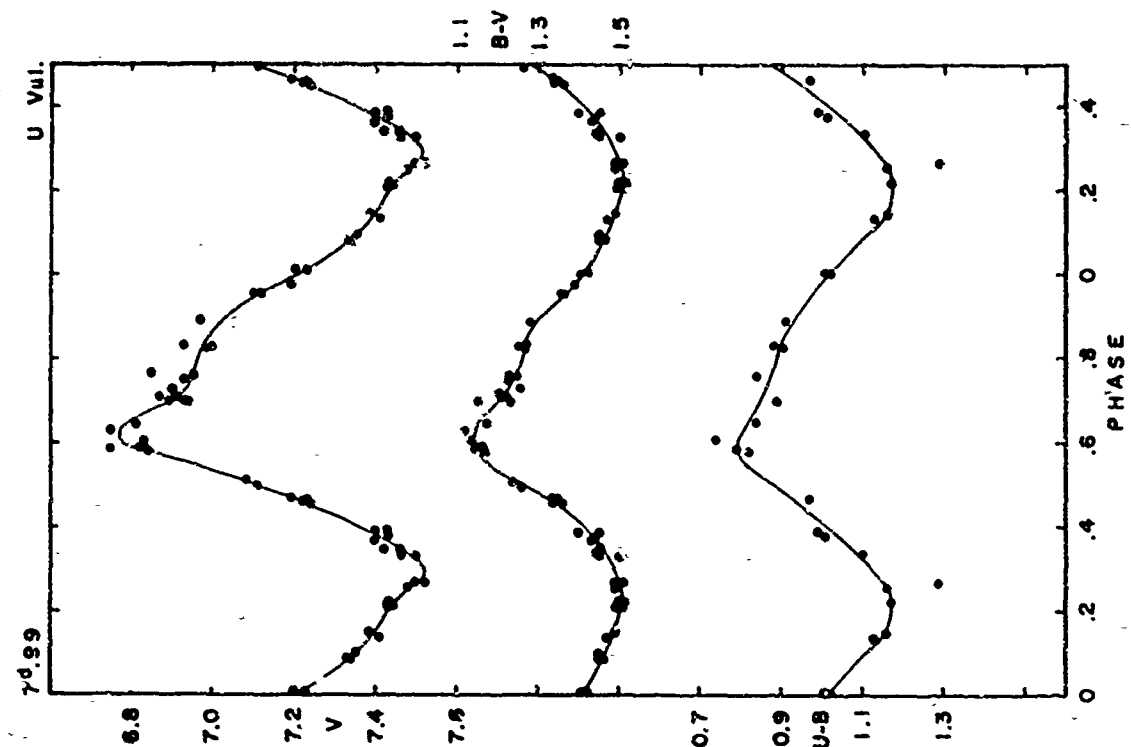
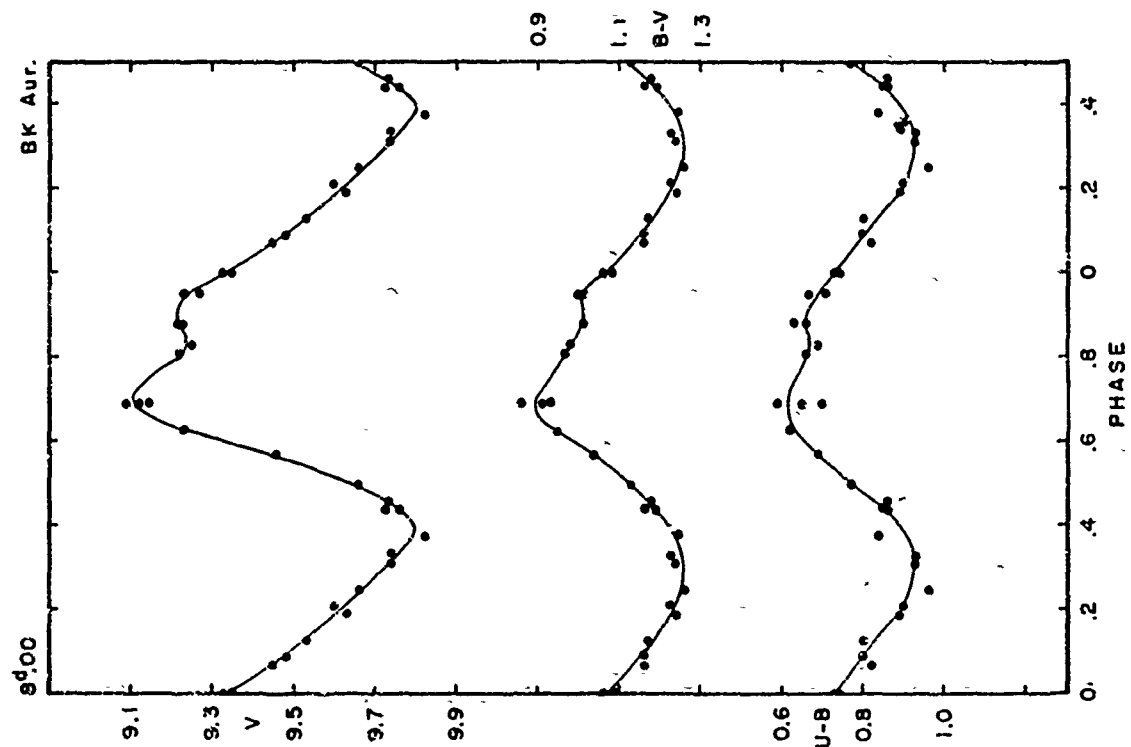


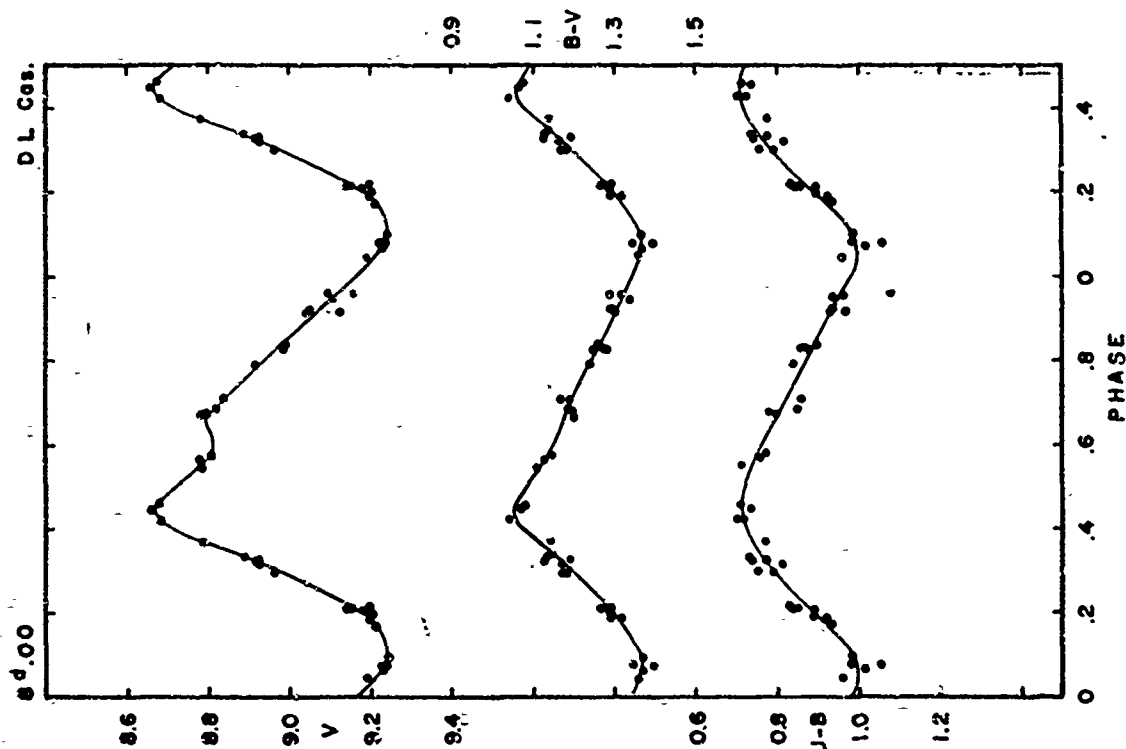
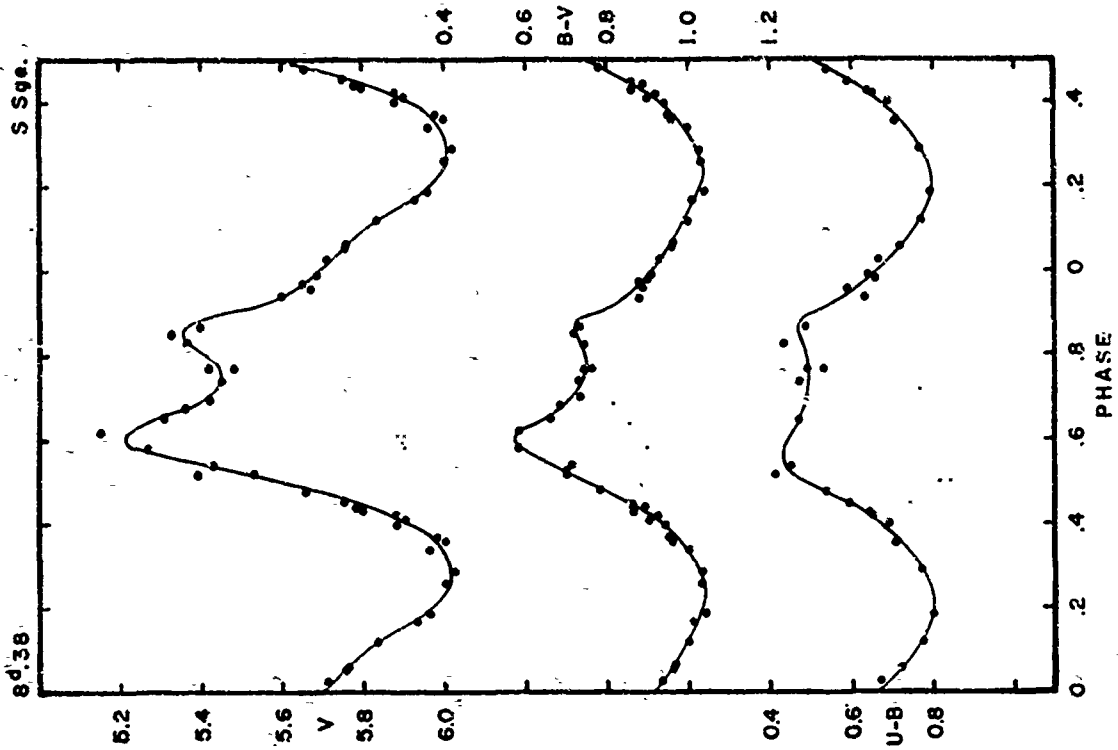


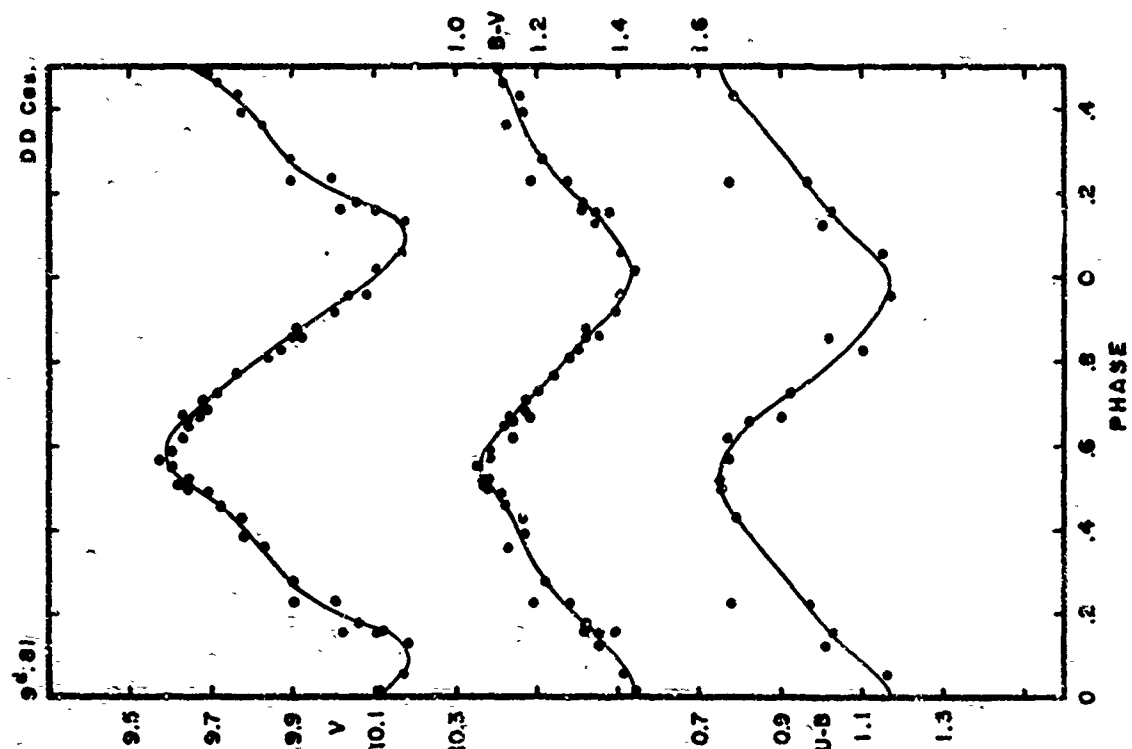
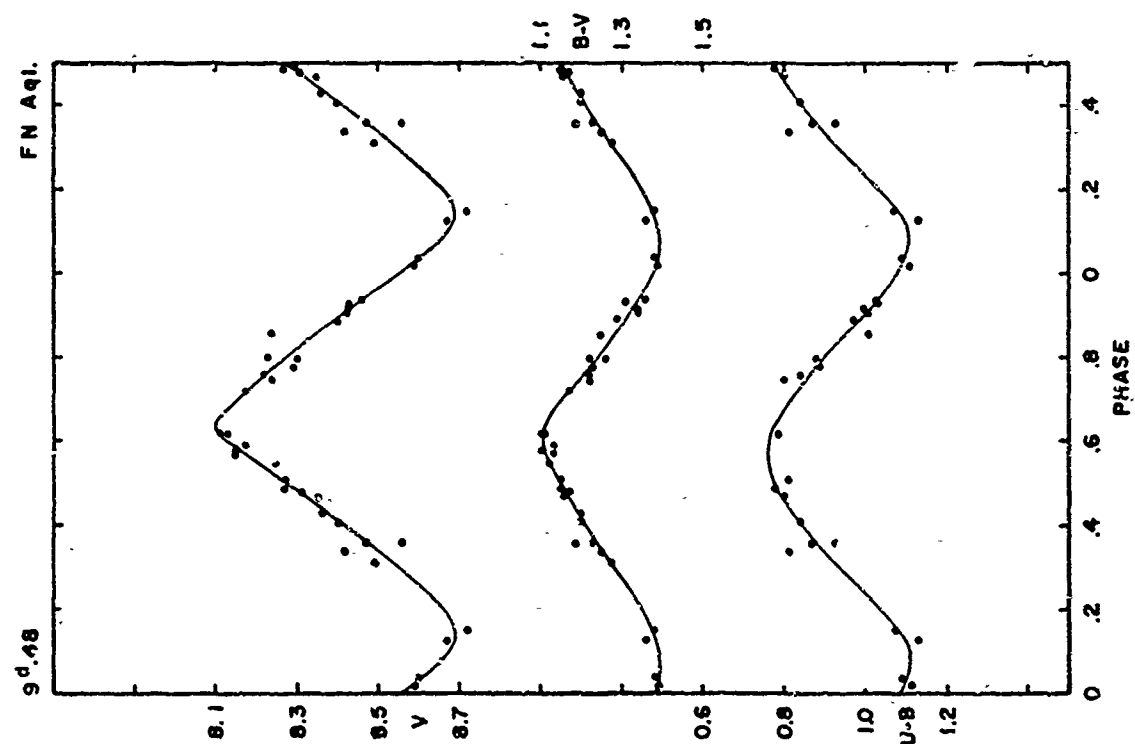


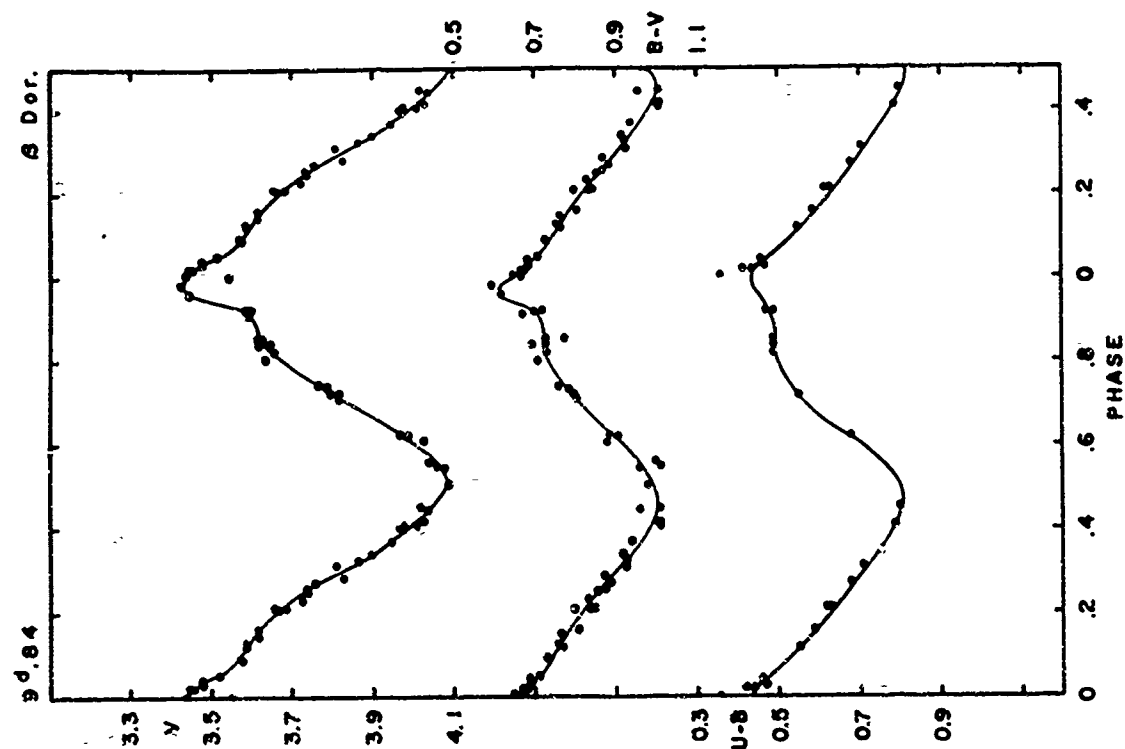
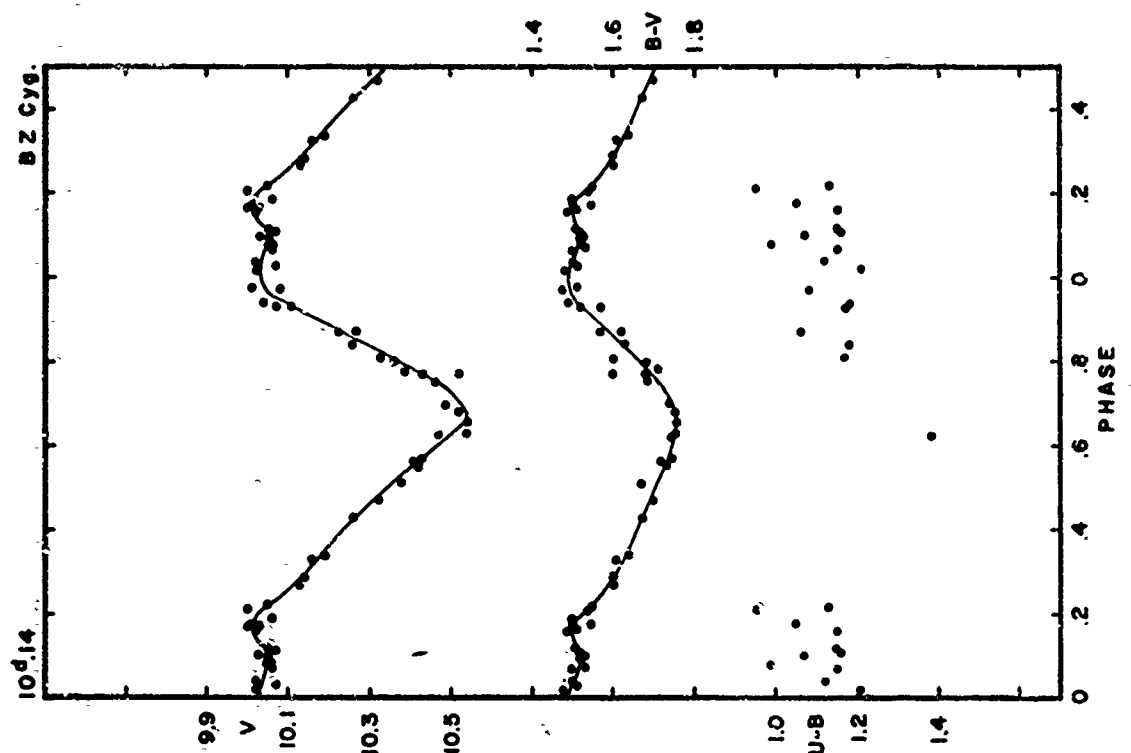


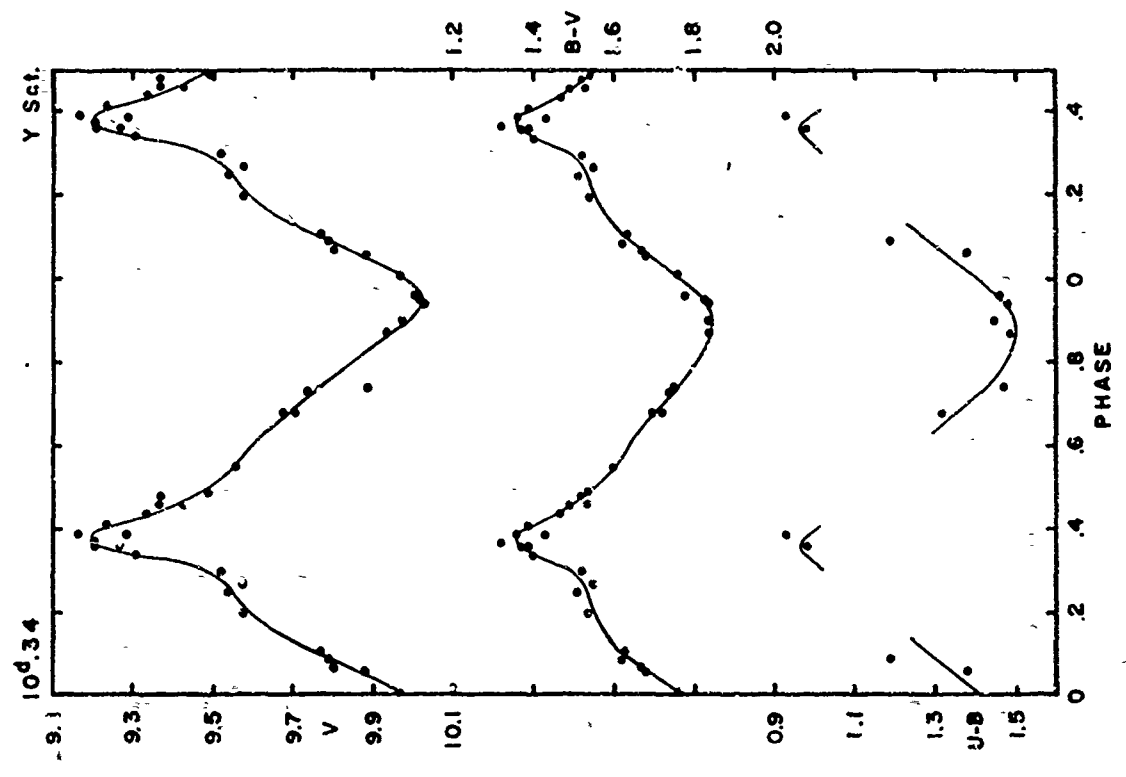
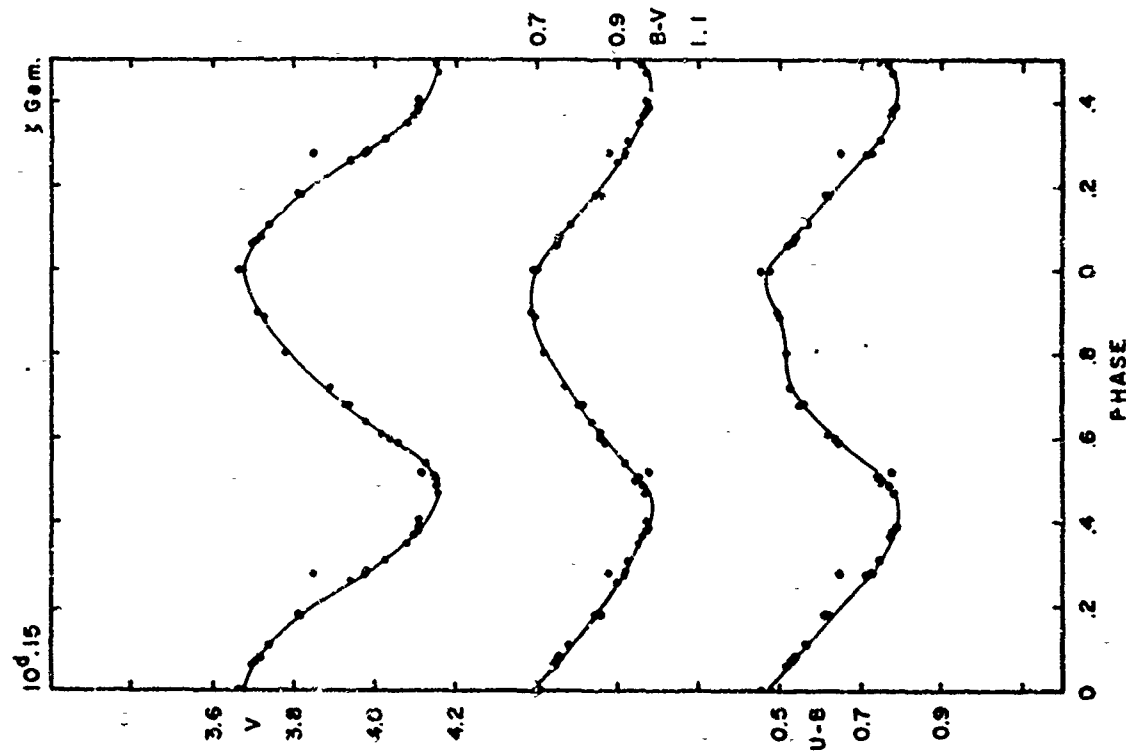


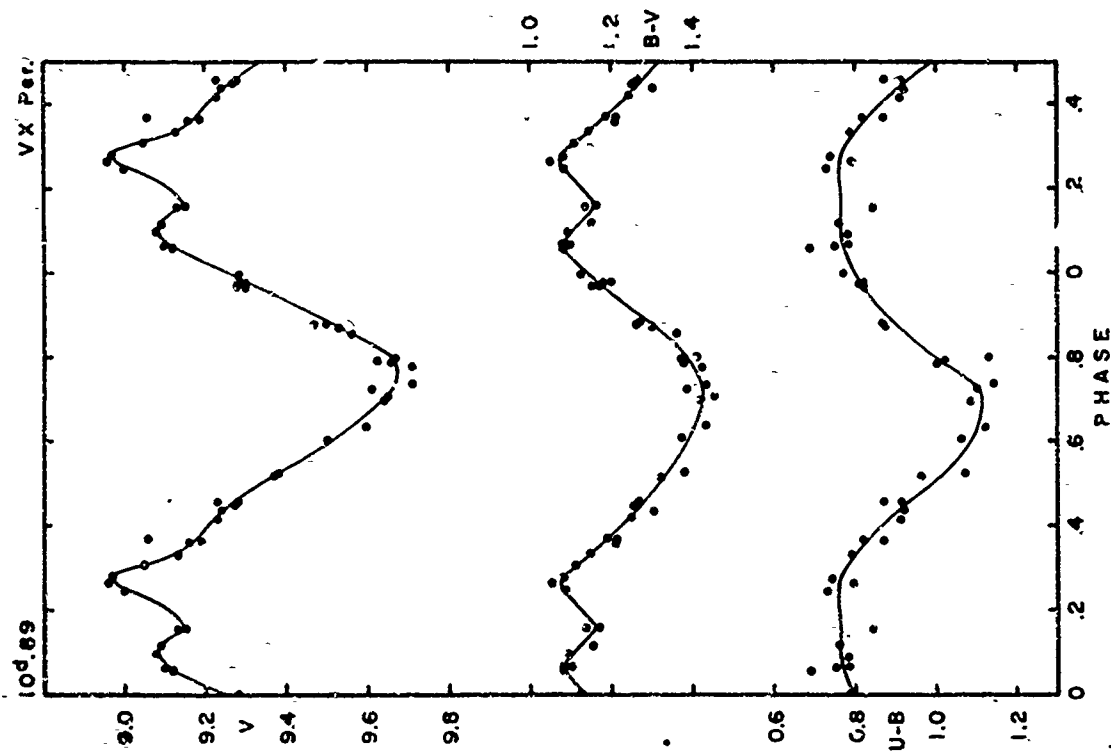
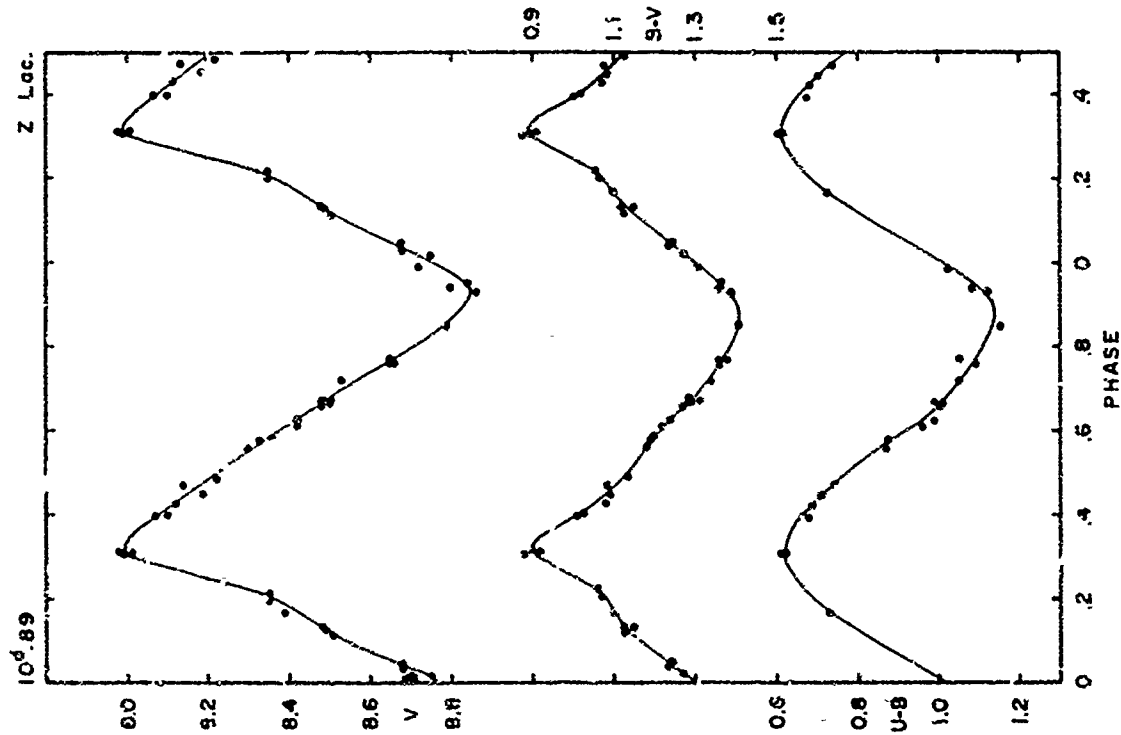


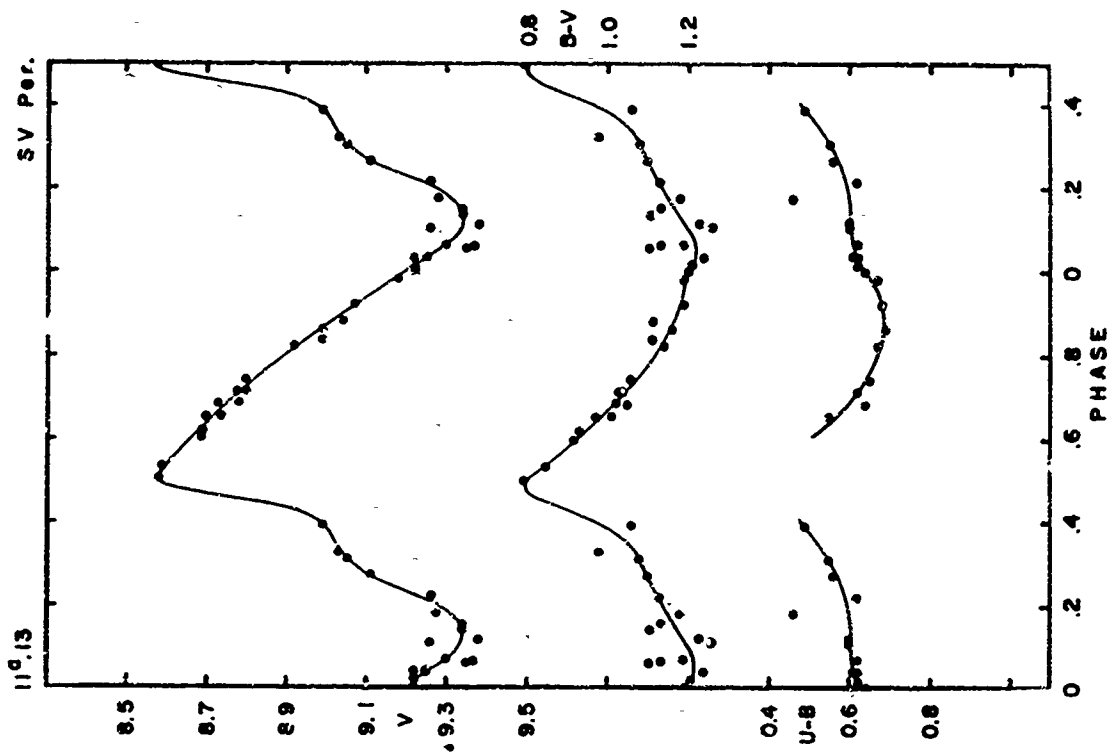
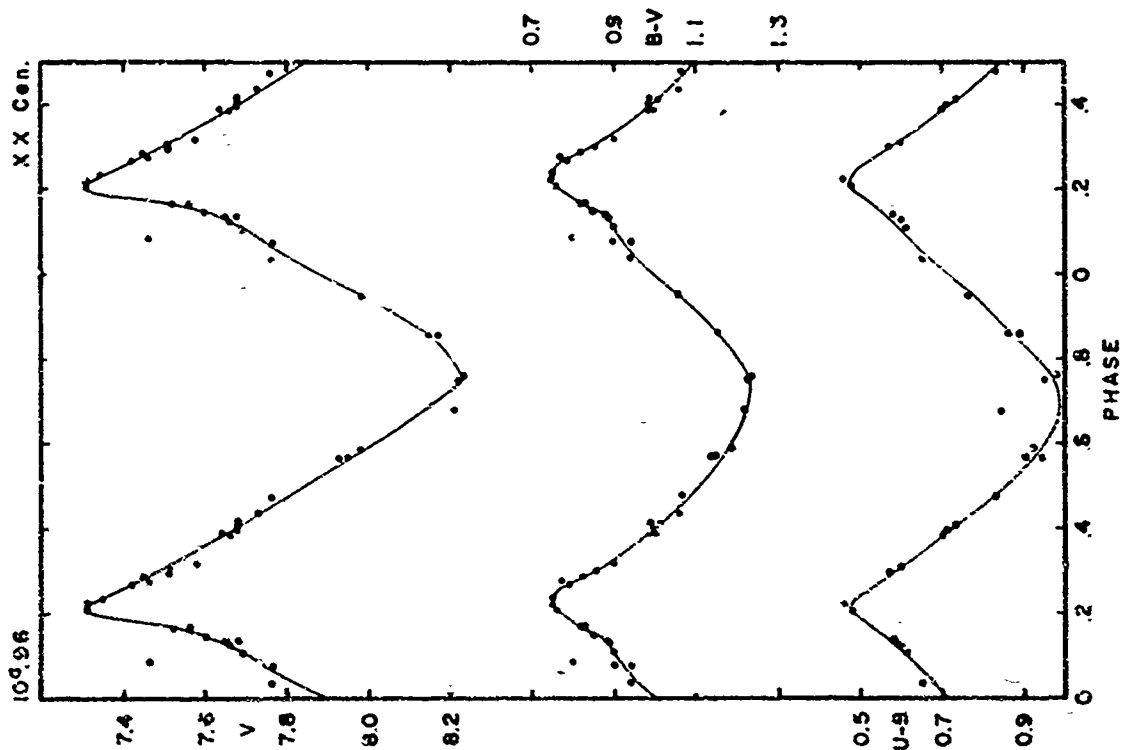


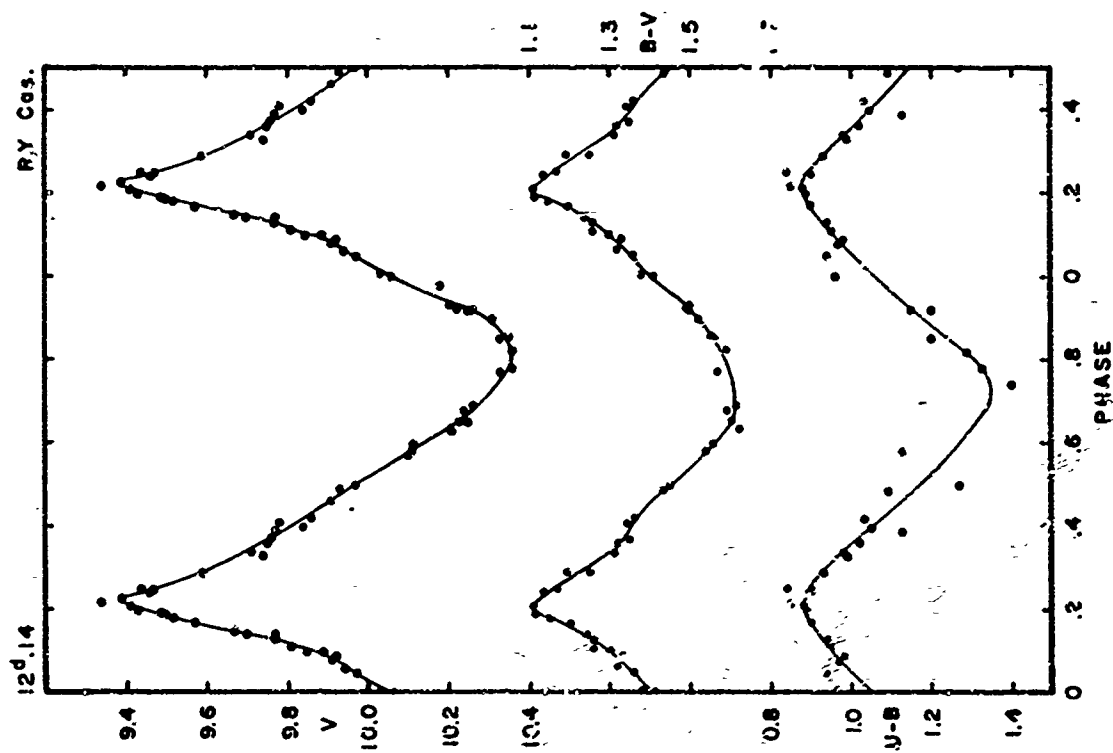
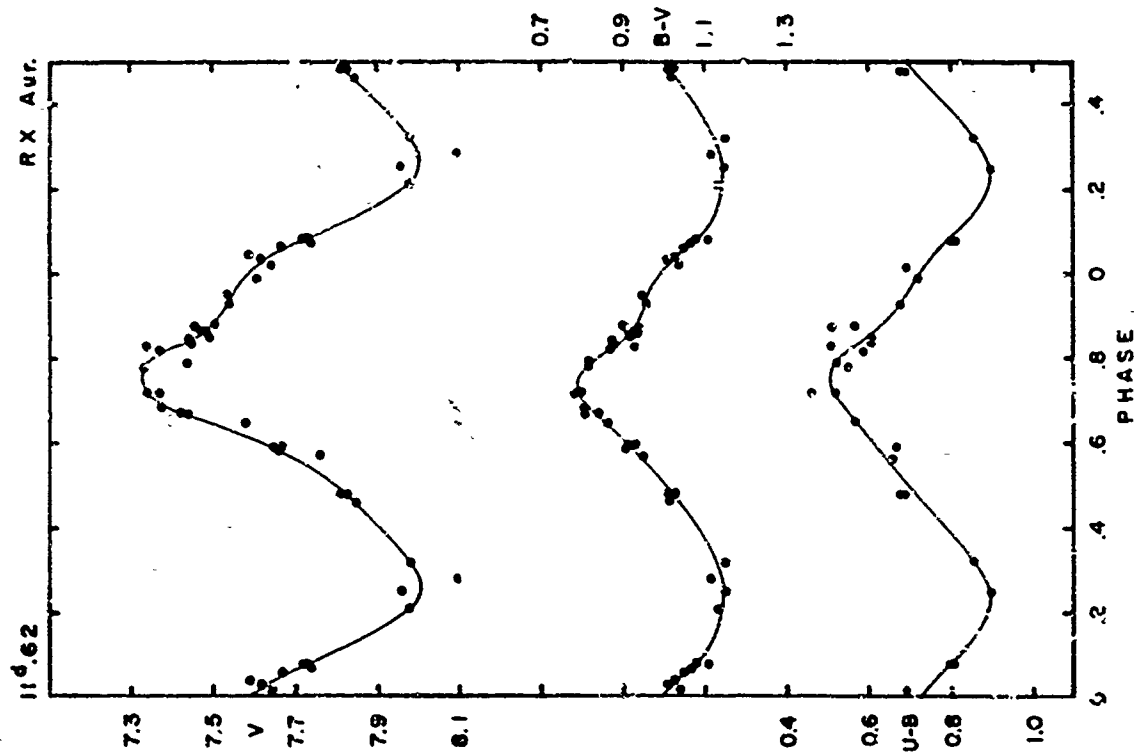


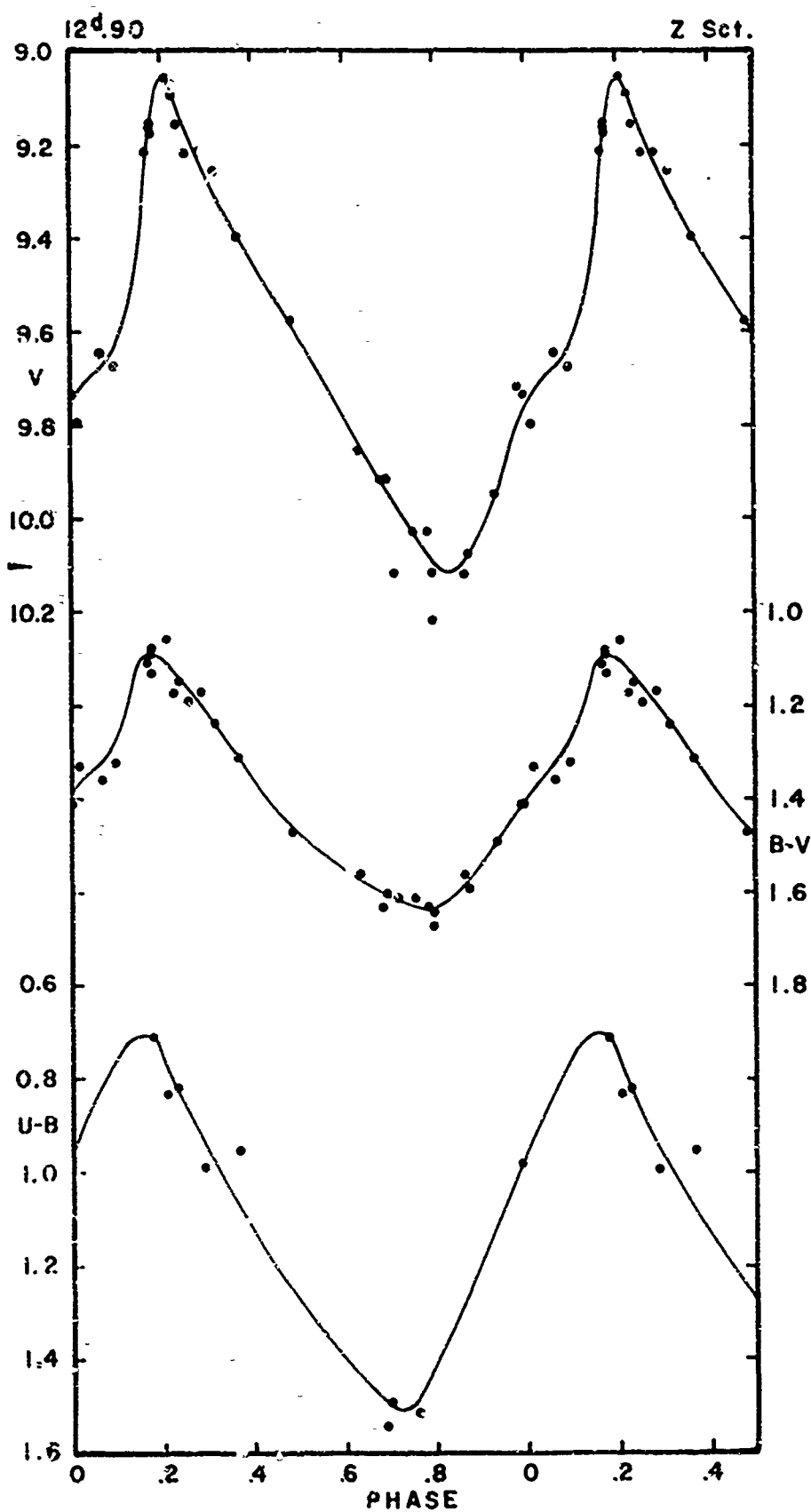


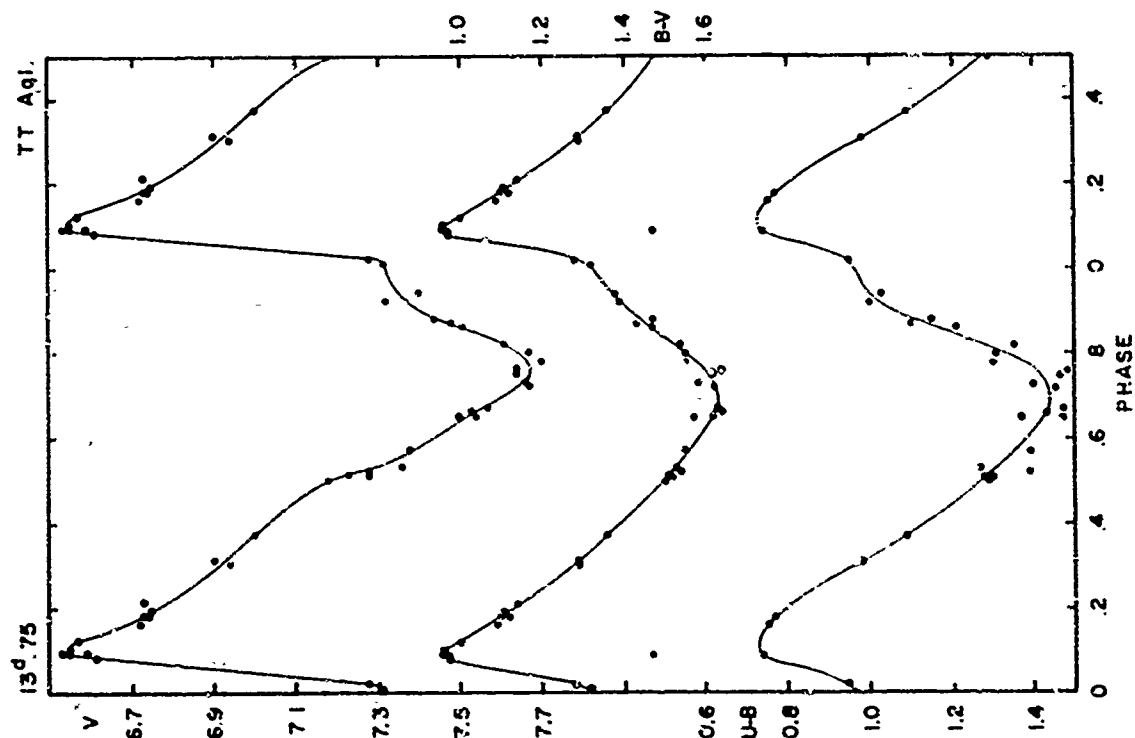
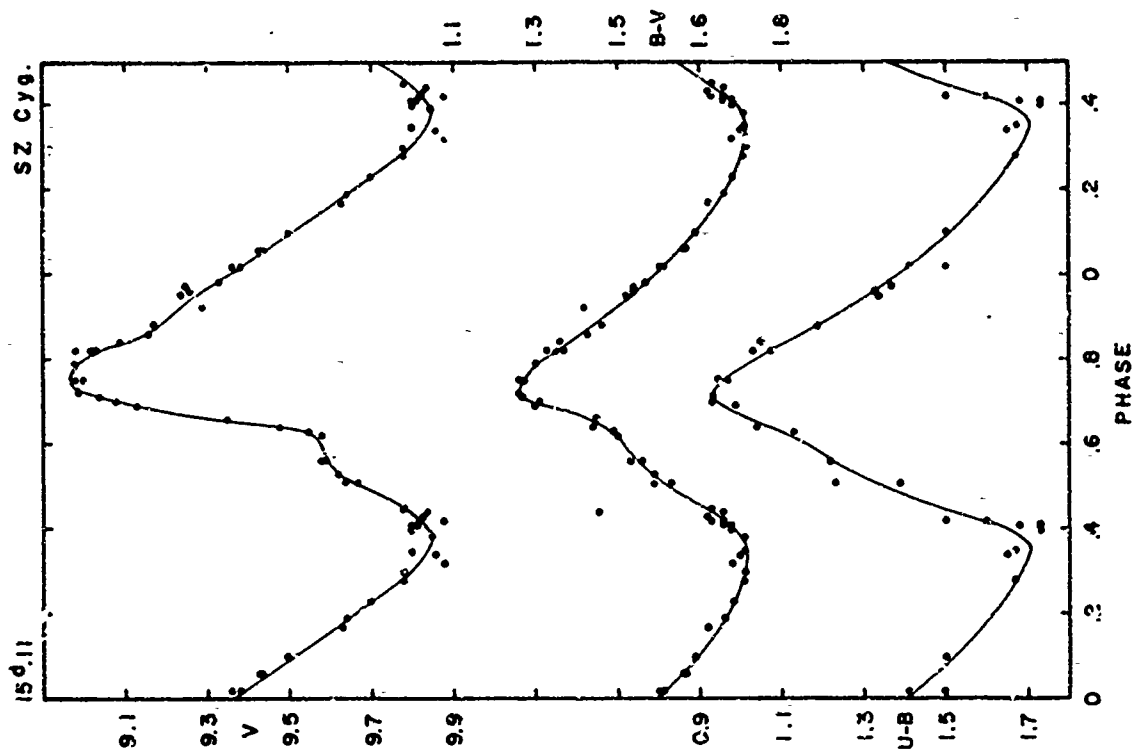


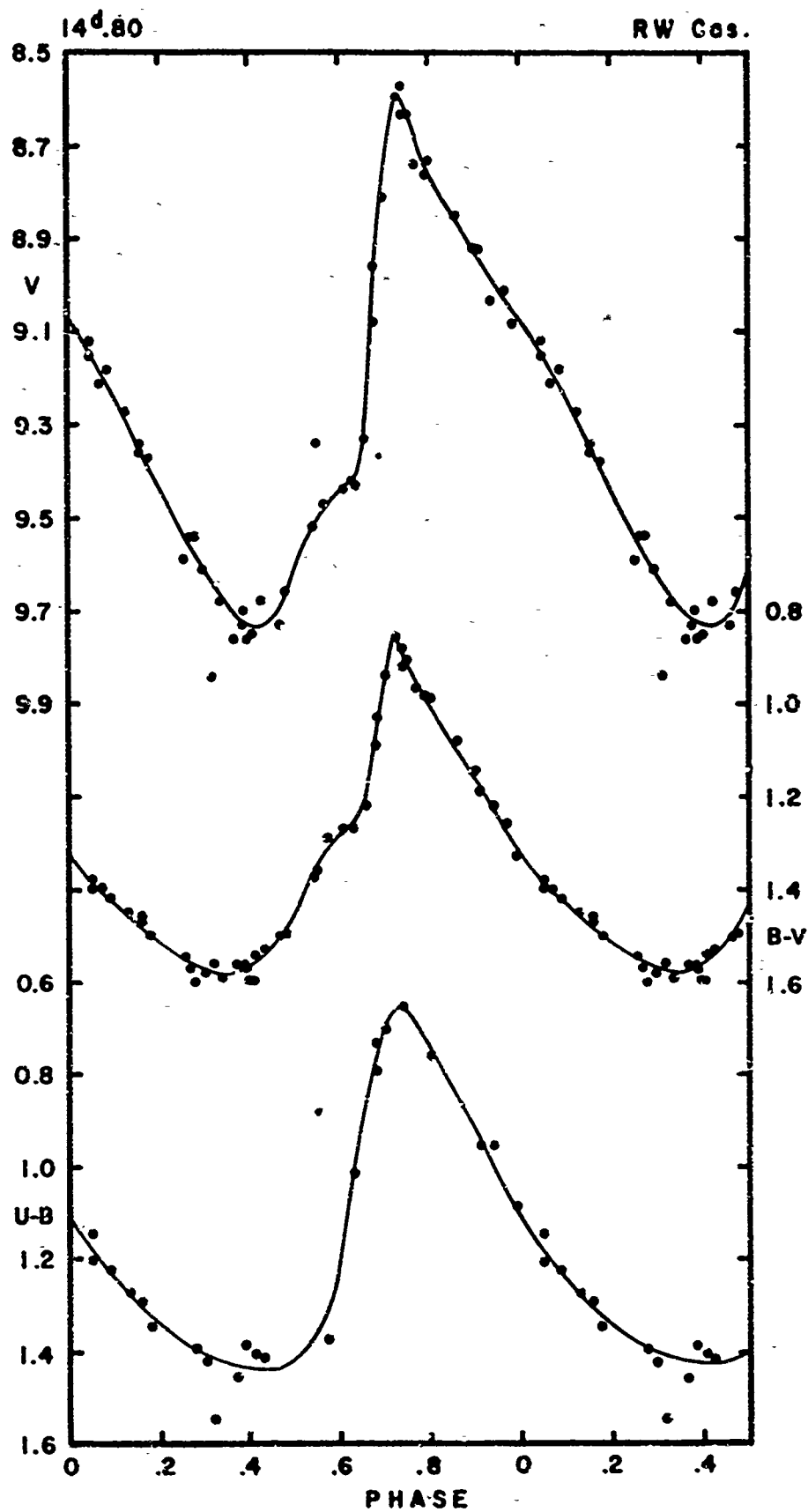


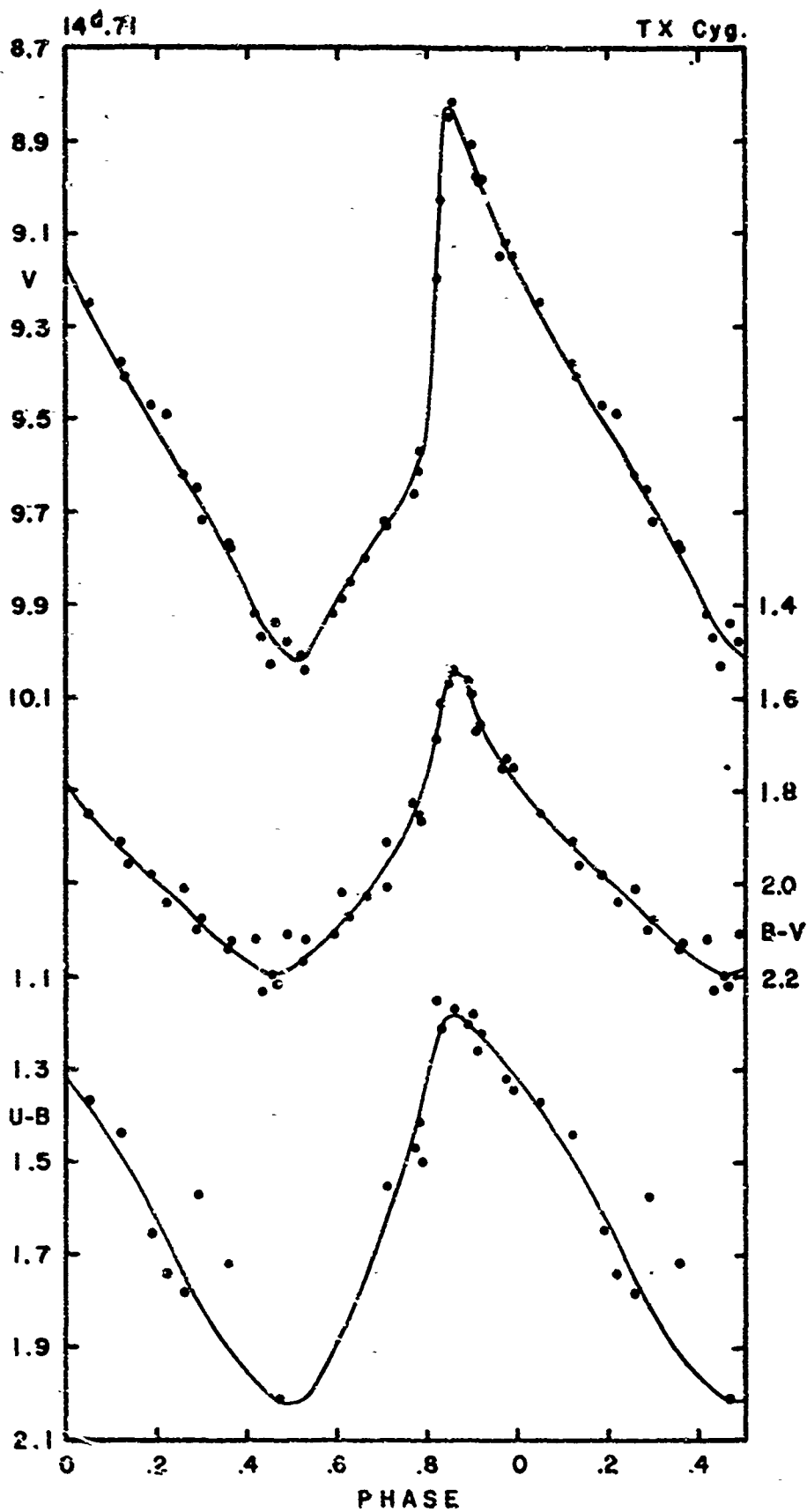


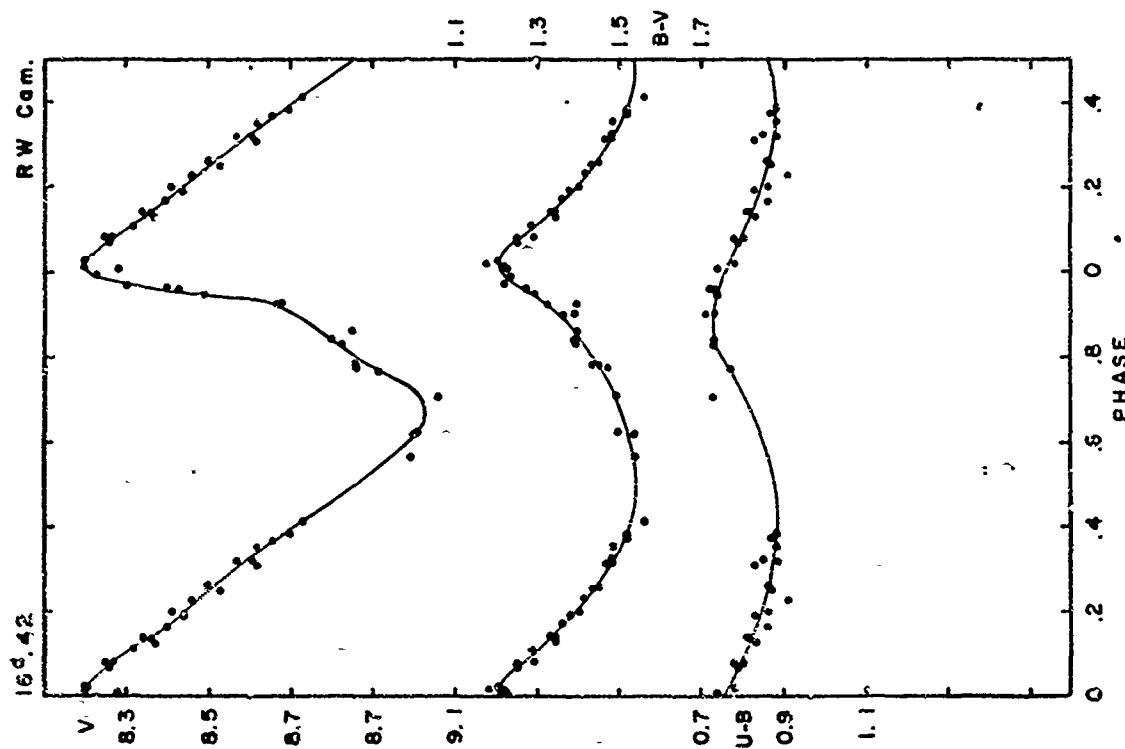
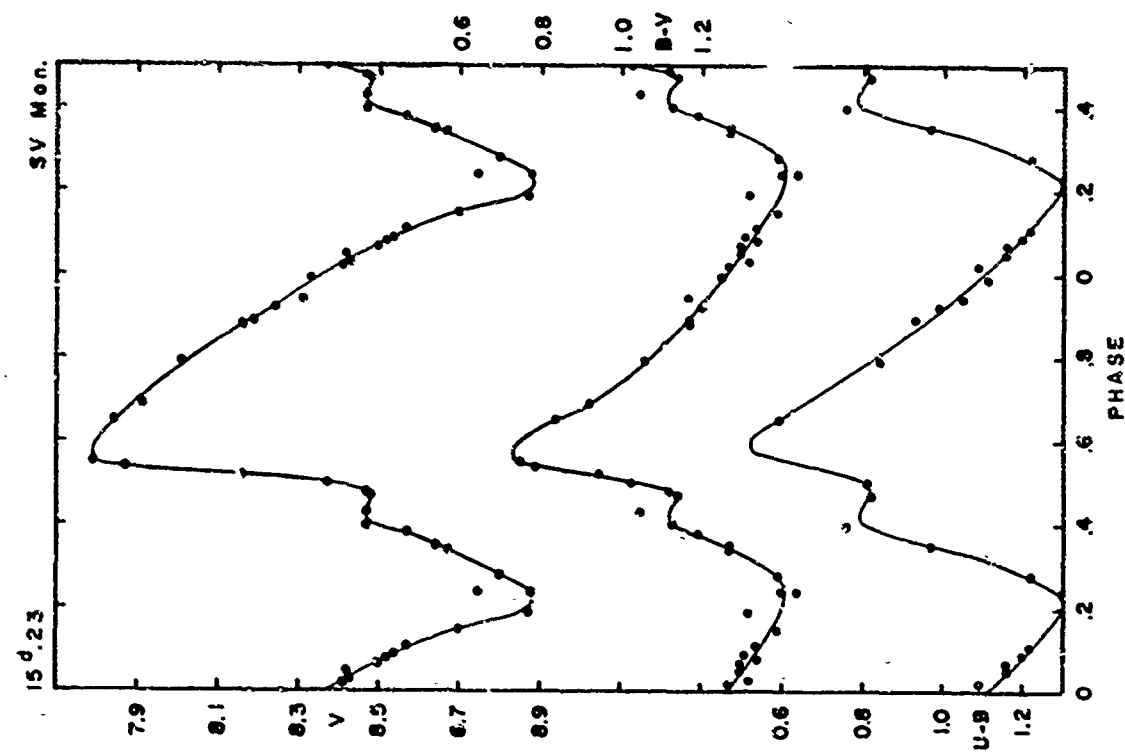


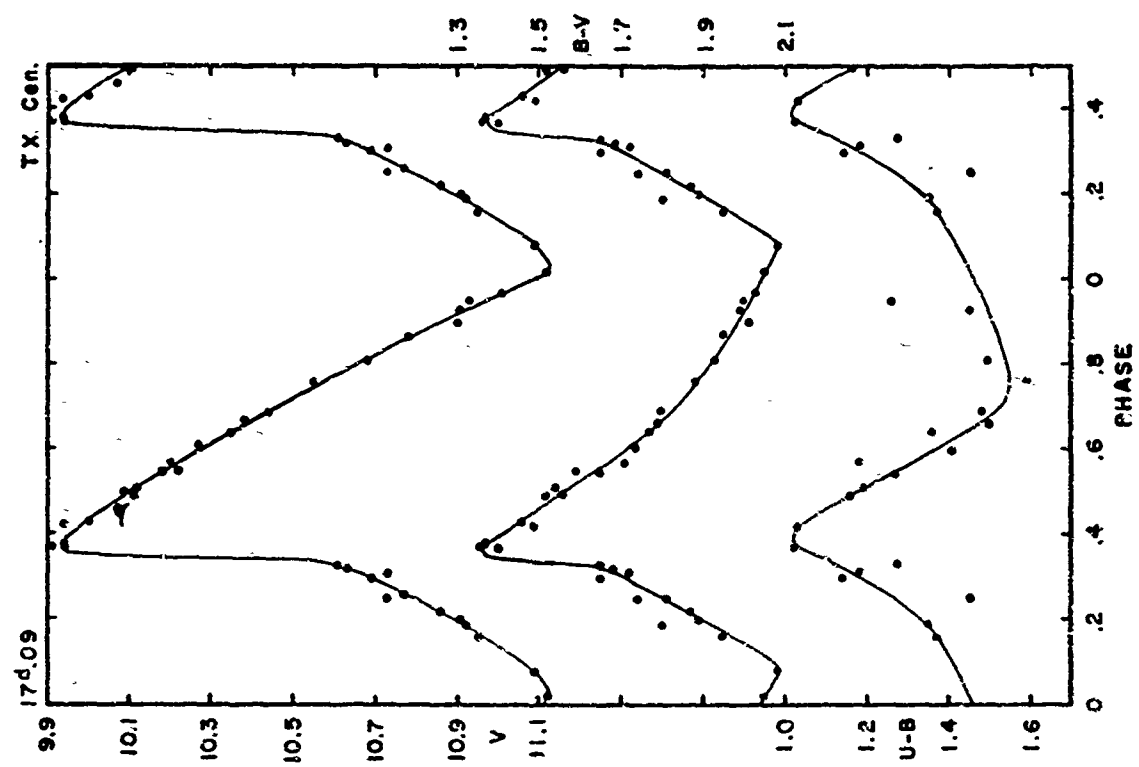
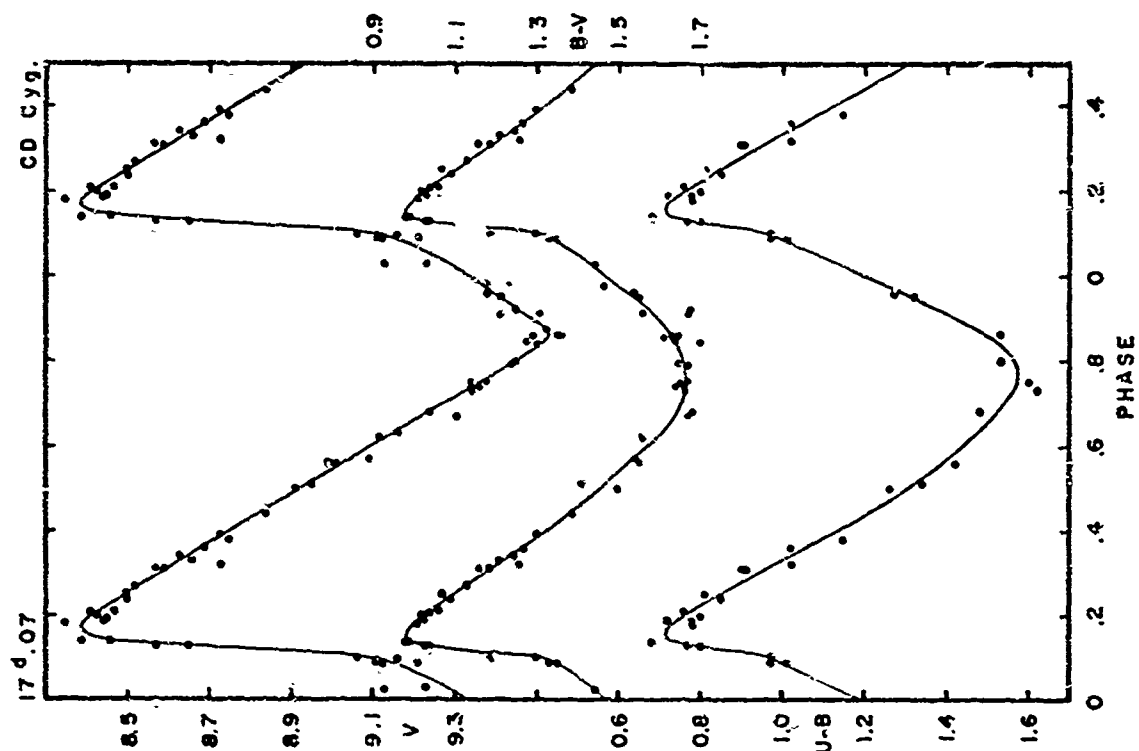


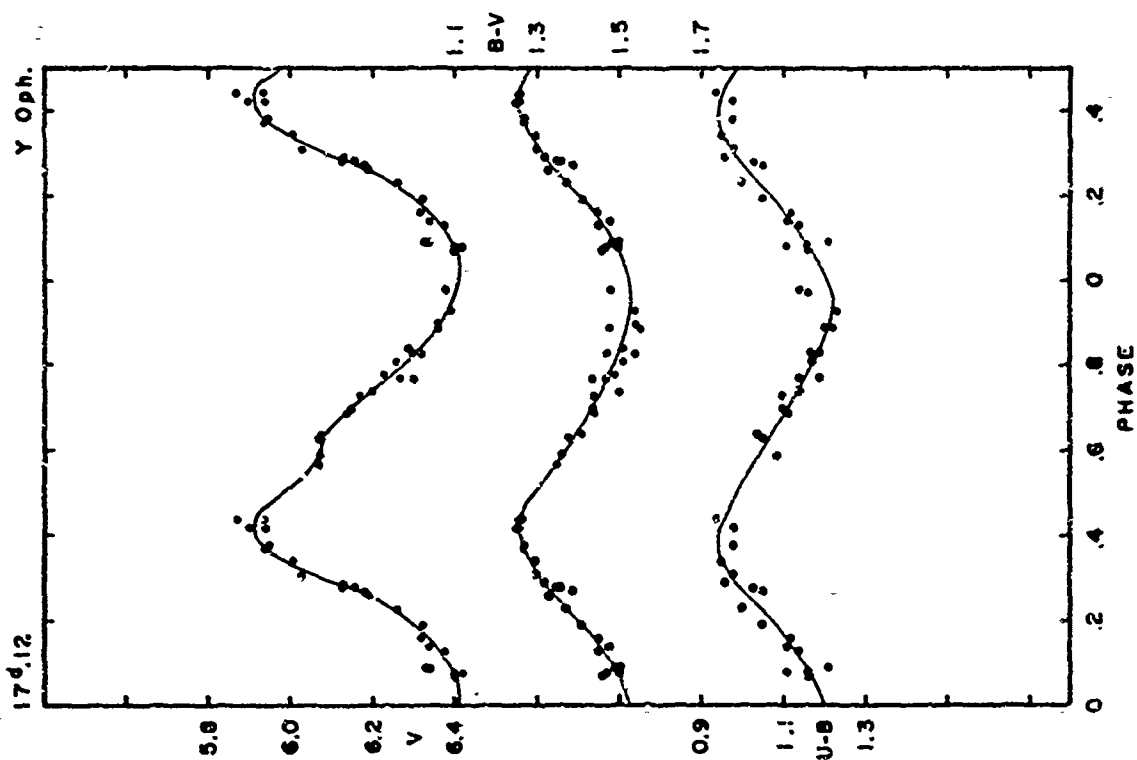
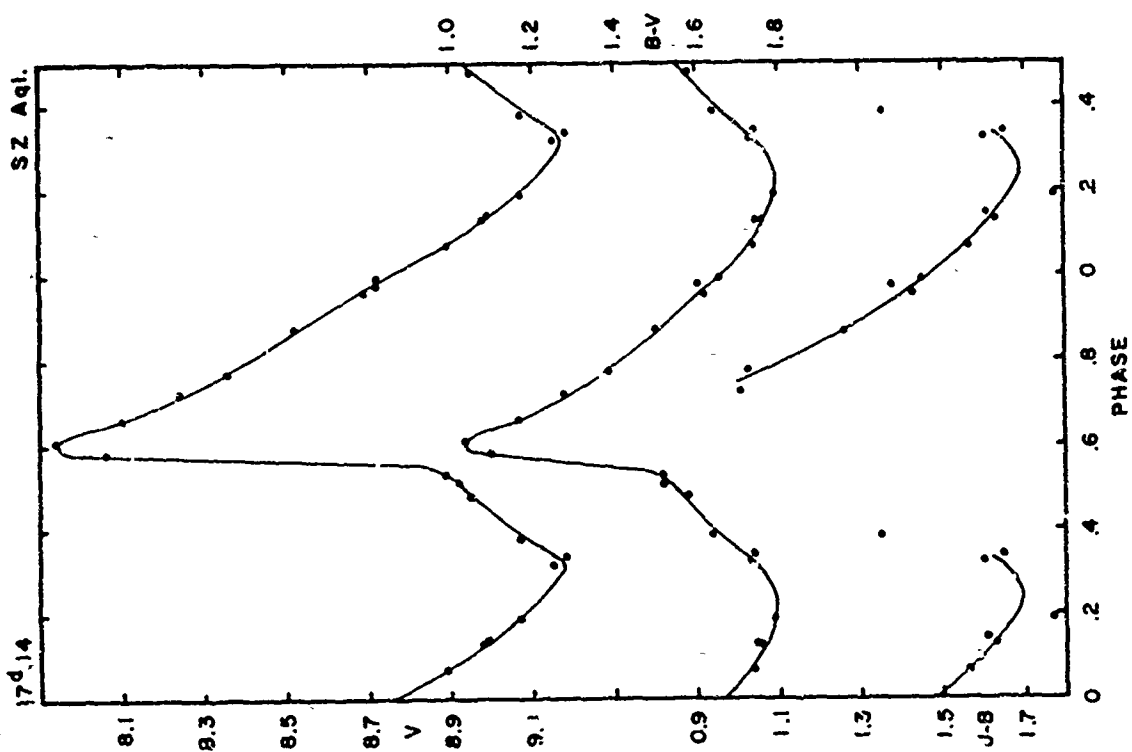


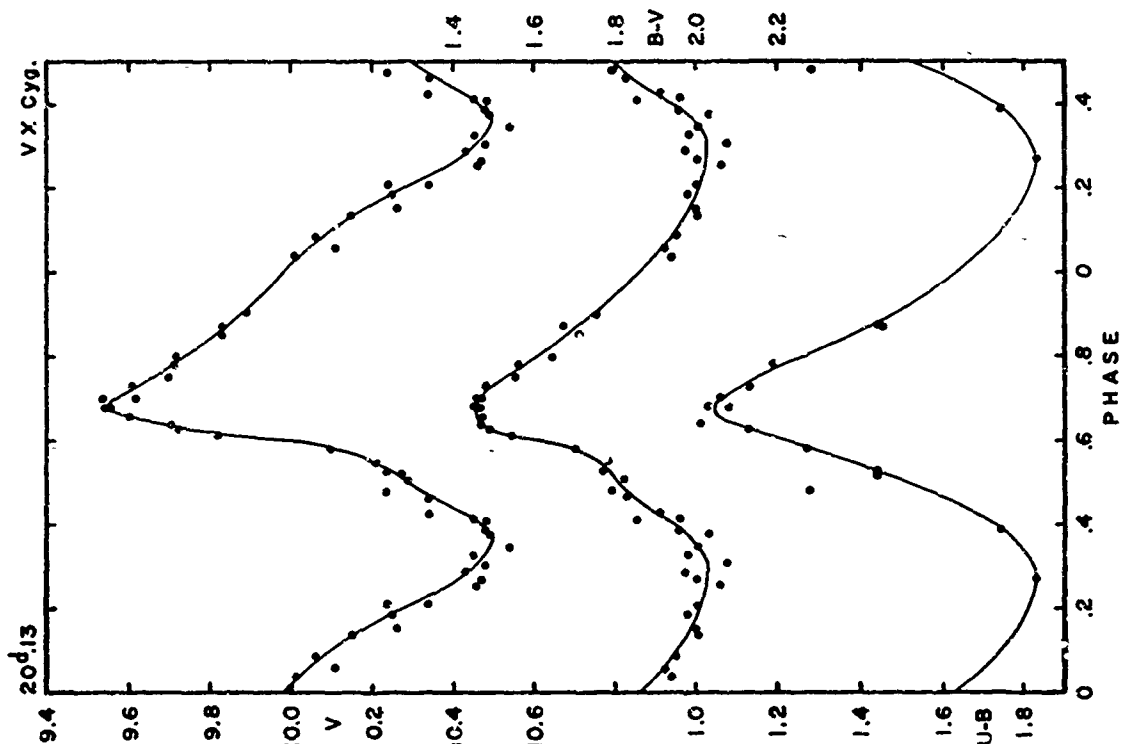
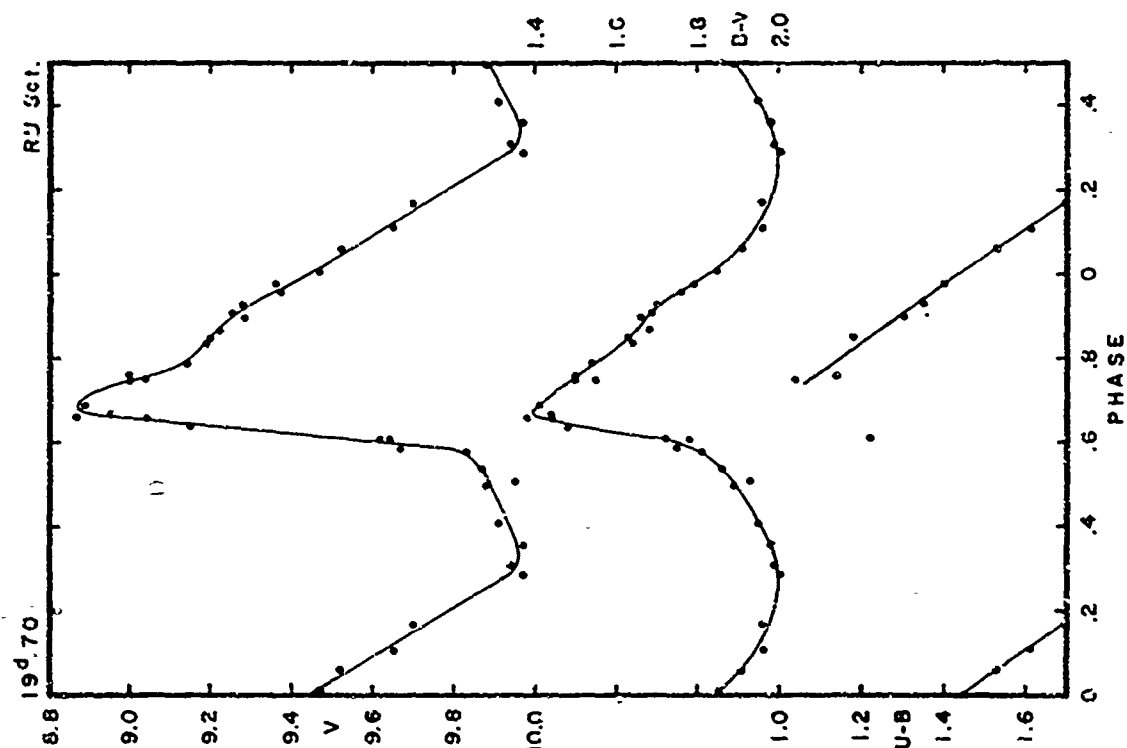


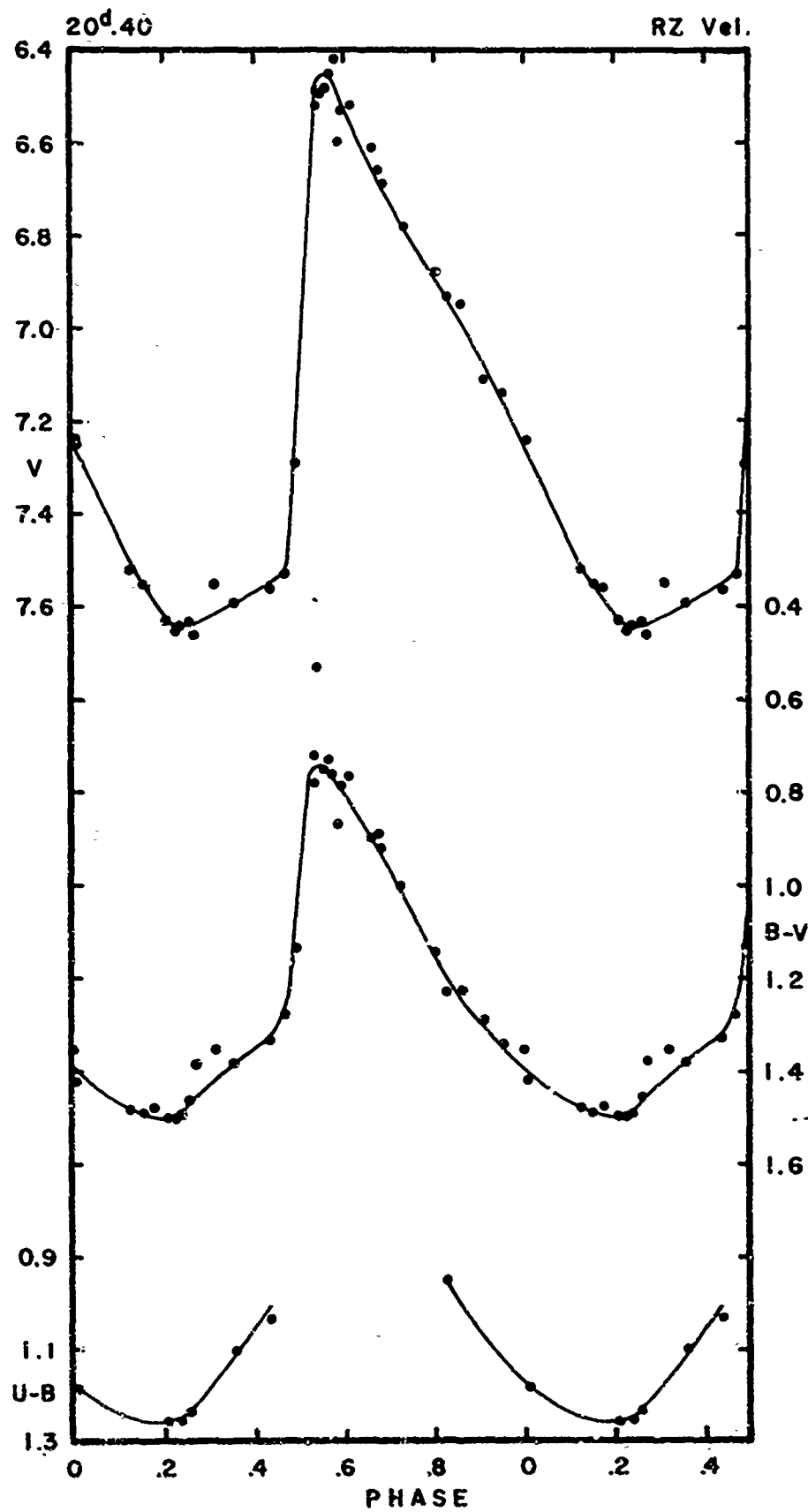


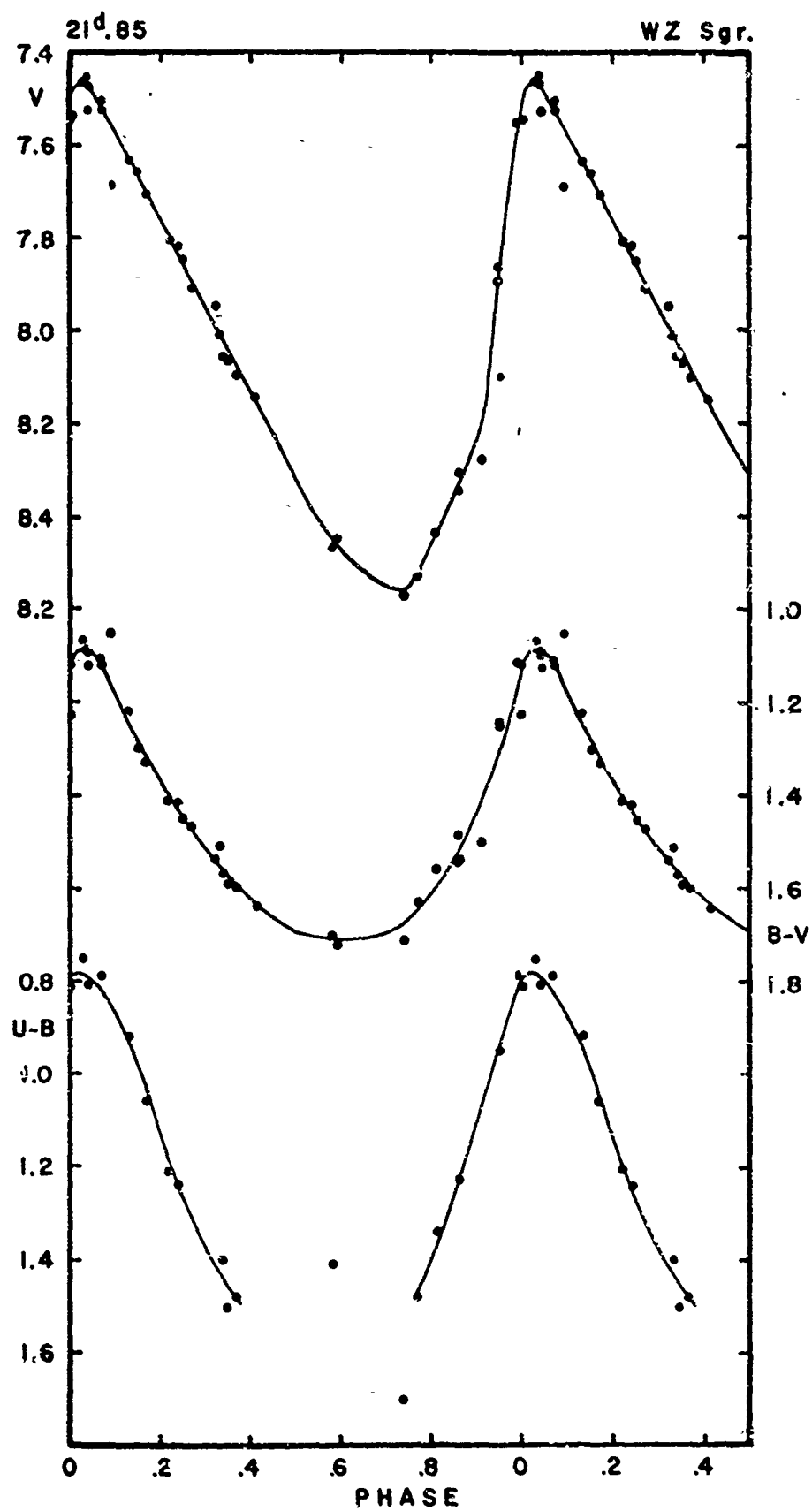


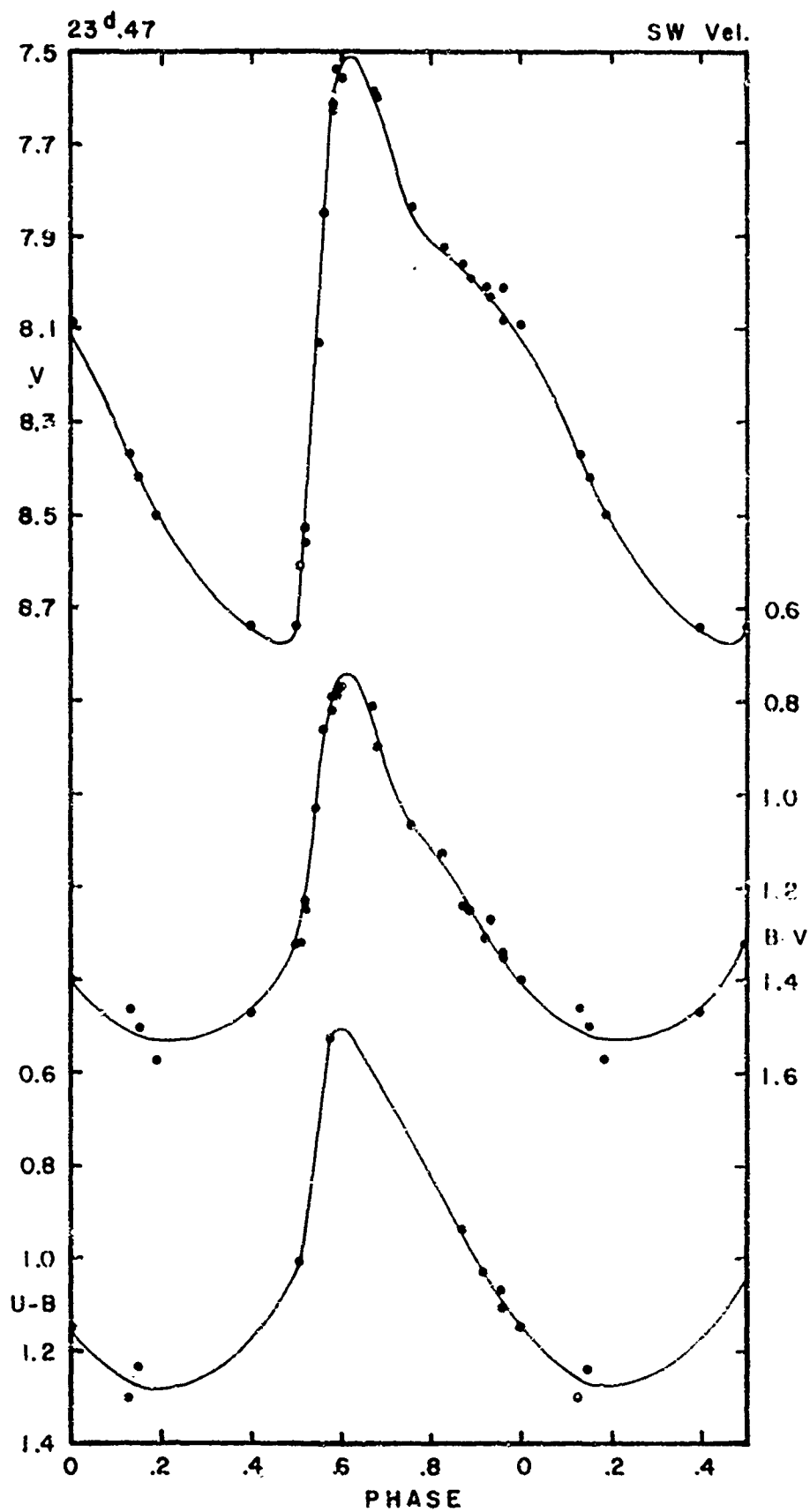


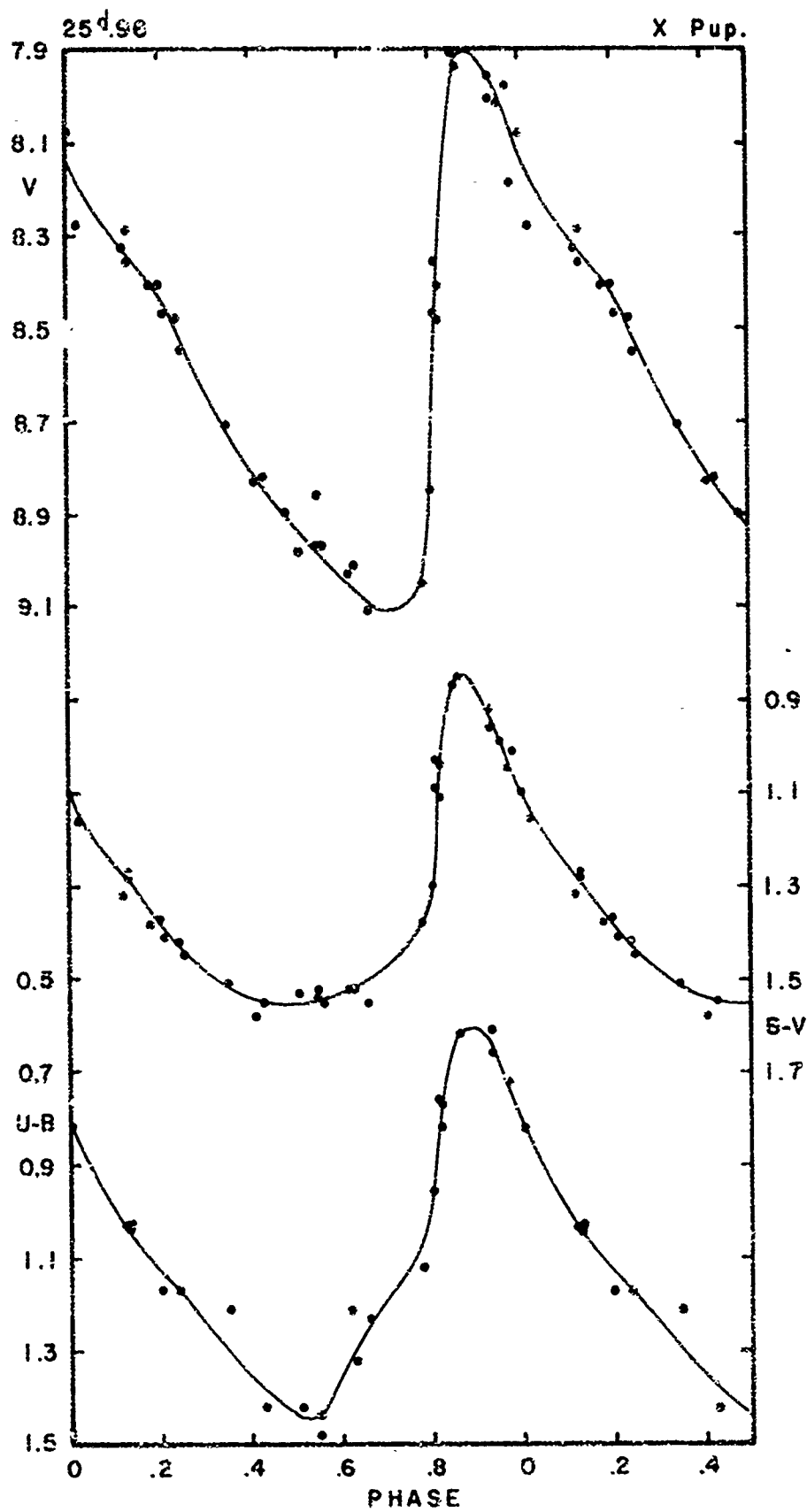


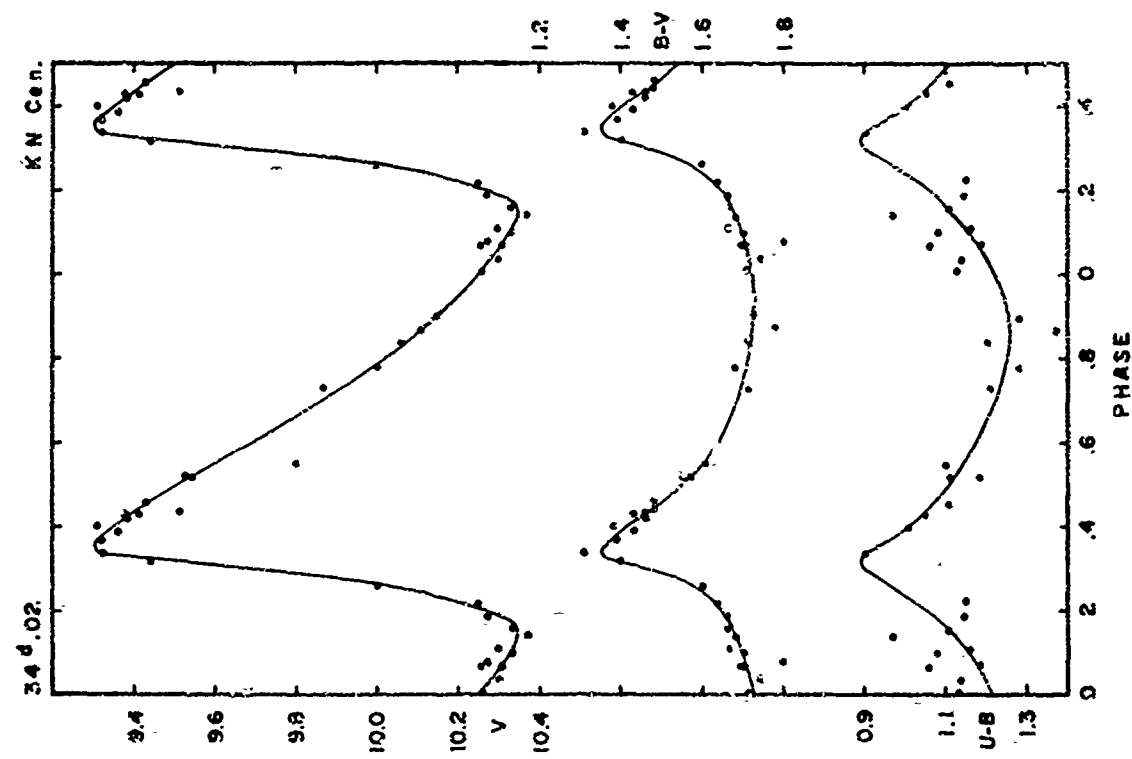
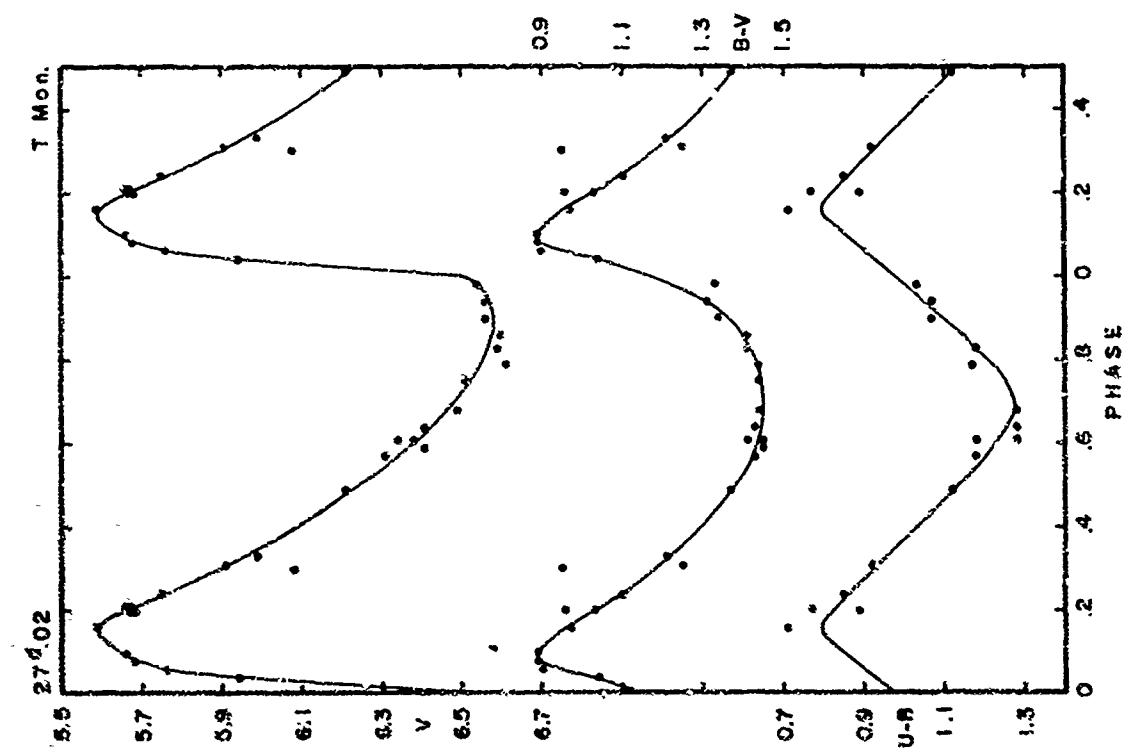


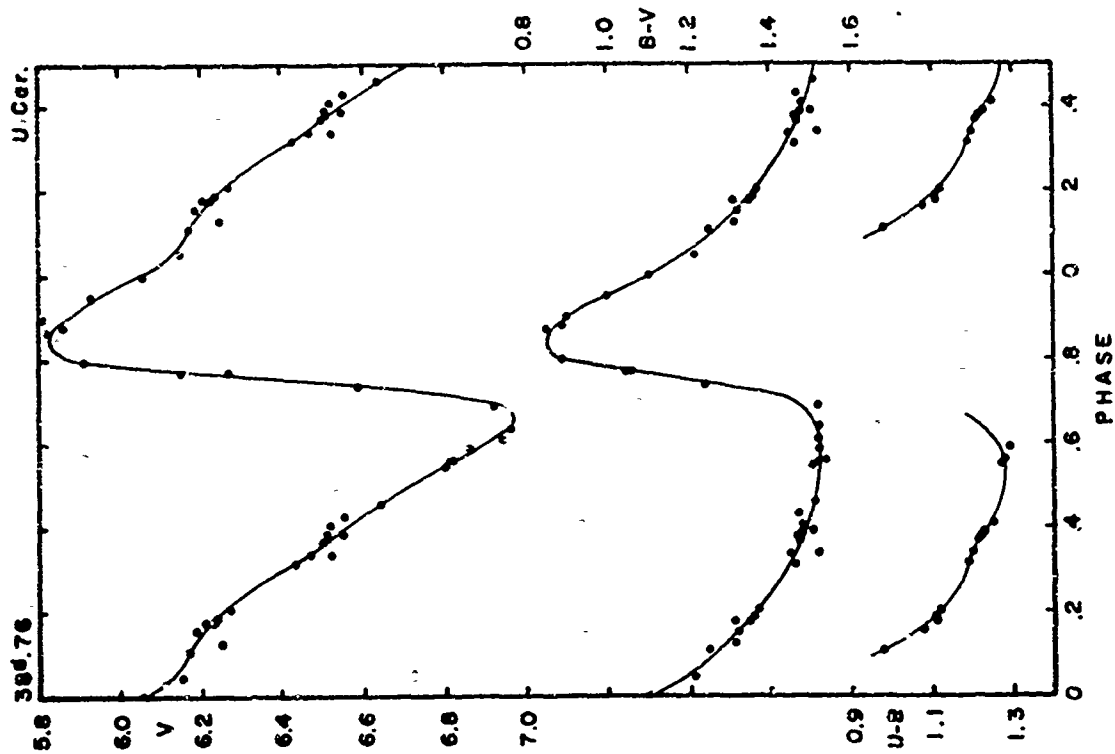
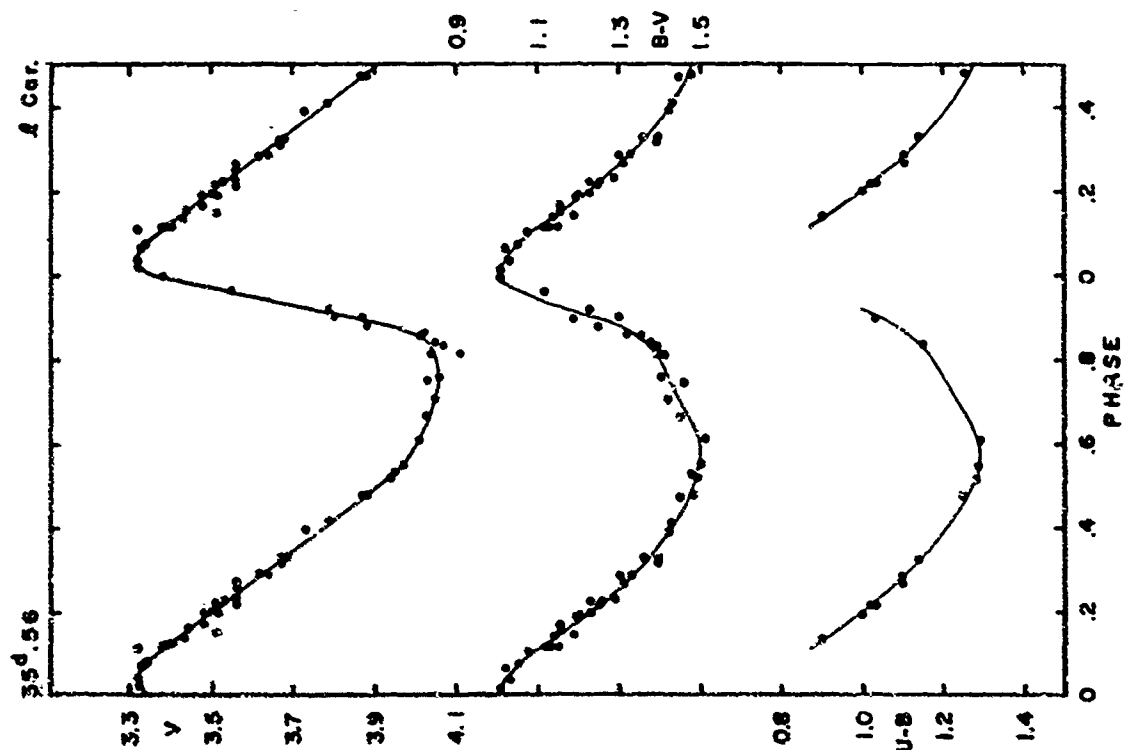


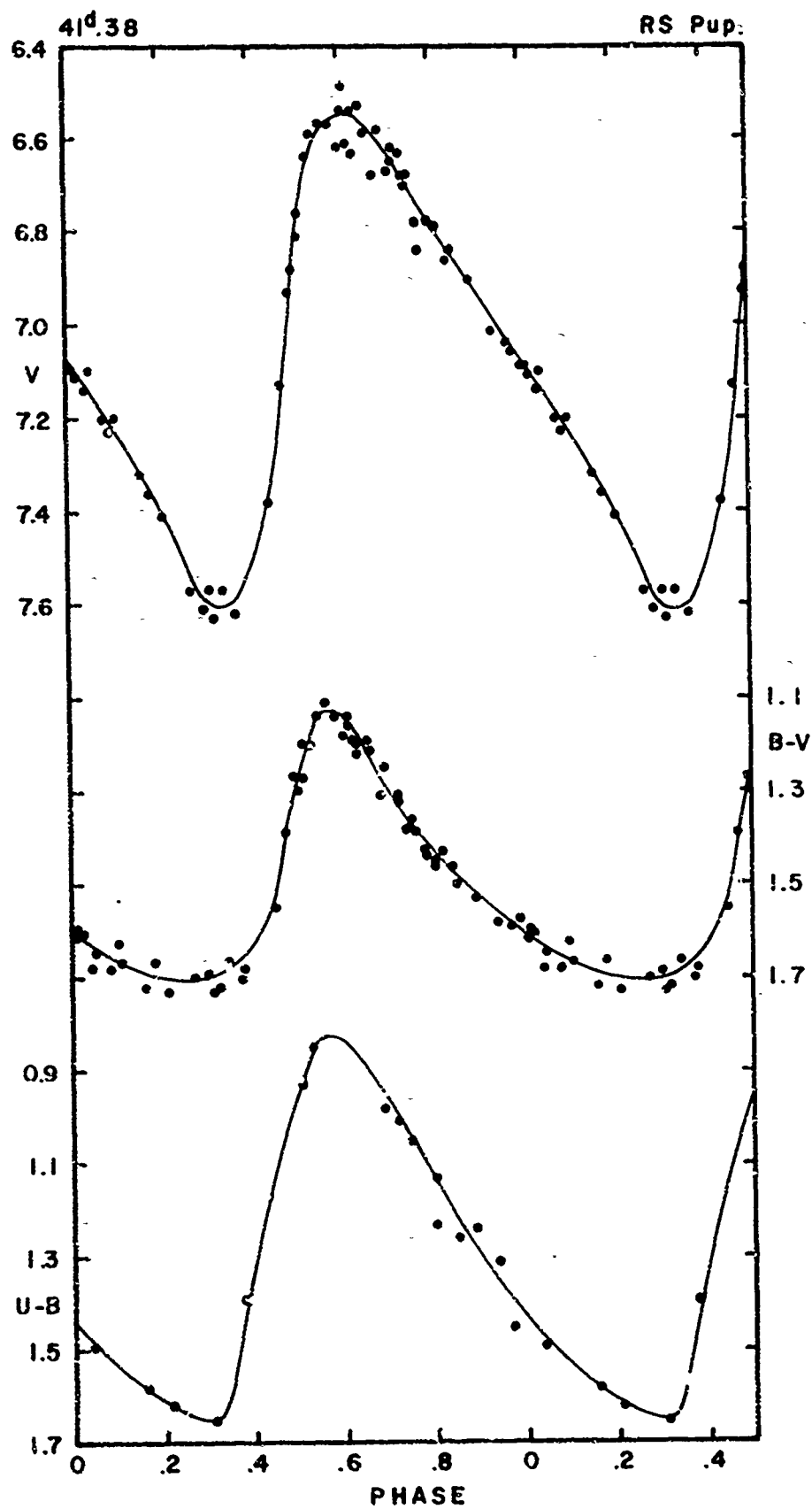


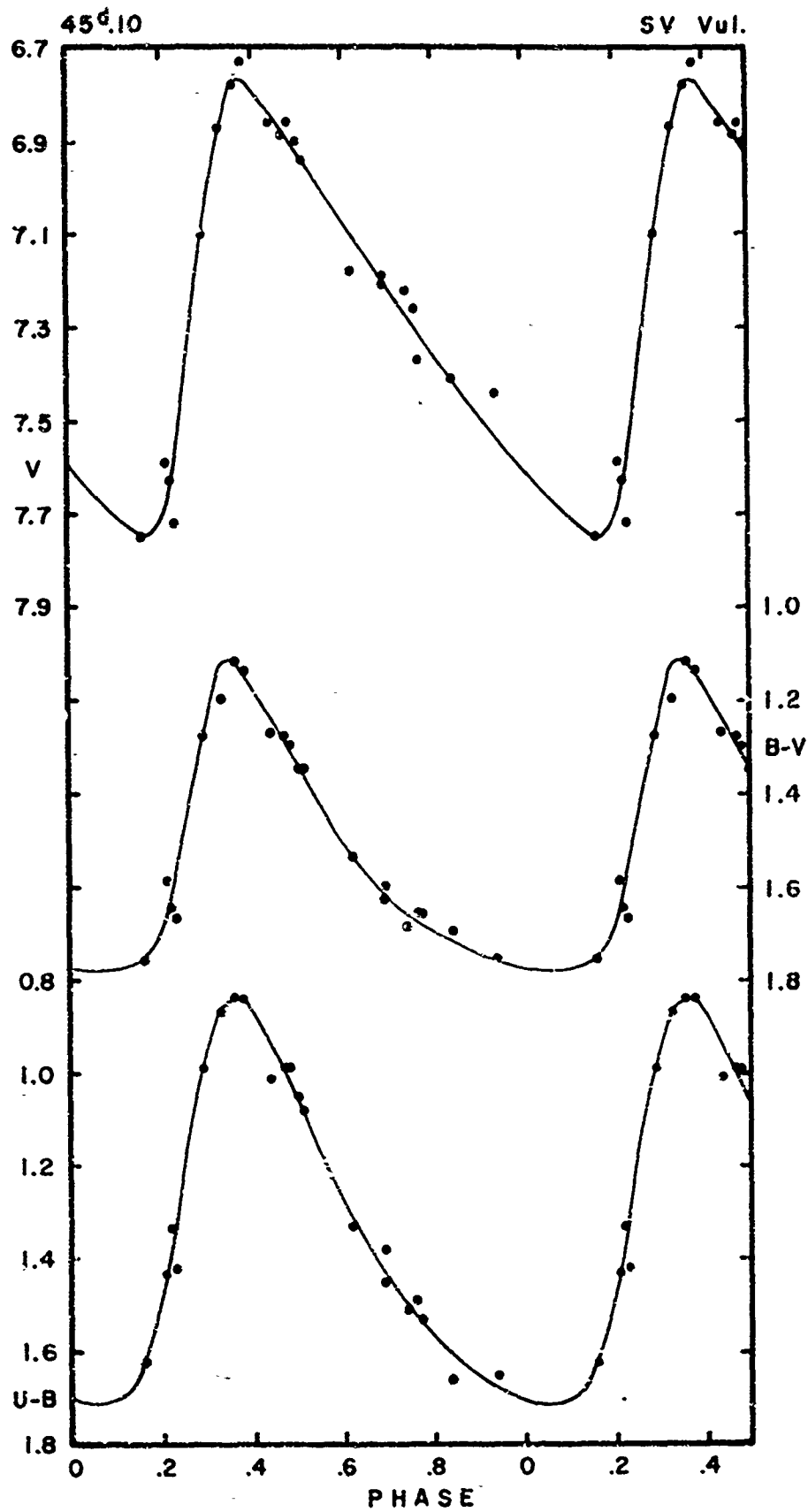












It is important for studies of galactic rotation and structure that the transformations between the Southern and the Northern data be good. Comparisons among the three sets of Southern photometry (Irwin 1961, Walraven, Muller and Oosterhoff 1958 and Eggen, Gascoigne and Burr 1957) indicate no systematic differences between observers, after our transformations have been applied. However, there is a systematic difference of 0.03 mag. in the V magnitude between Irwin (1961) and Walraven et. al. (1958) for the subset of best observed stars south of declination -40° . Occasional residuals between southern observers for individual stars may be as large as 0.1 mag., but the mean differences among the three lists of southern data are not significant.

The distribution, by period, of the Cepheids we have given in our catalogue is shown in Table 5. The last column contains the distribution of Cepheids for which we have provided plotted figures.

TABLE 5
Distribution of Cepheids by Period

<i>Log P(days)</i>	<i>Kukarkin Gen. Catalog (1958)</i>	<i>Tables 1 & 2</i>	<i>Plotted Light Curves</i>
< .1	7	0	0
.1 to .2	9	4	1
.2 to .3	8	4	1
.3 to .4	22	9	1
.4 to .5	30	15	2
.5 to .6	56	26	5
.6 to .7	73	49	12
.7 to .8	85	53	35
.8 to .9	64	18	16
.9 to 1.0	33	22	7
1.0 to 1.1	11	27	9
1.1 to 1.2	59	30	6
1.2 to 1.3	36	21	6
1.3 to 1.4	26	12	4
1.4 to 1.5	21	11	2
1.5 to 1.6	16	8	3
1.6 to 1.7	5	3	2
> 1.7	5	0	0

About 230 of the stars of Table 1 are well observed. Of these we have selected 93, whose light and color curves are shown in the figures following the catalogue. An effort was made to include stars with data from more than one source; stars having superior U-B curves; and stars representing the variety of curve shapes at all periods. Stars which show cycle to cycle variation have been largely omitted from the figures. The figures are arranged in order of period.

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