**********IDS OBSERVATIONS OF 6 JUL 76 **********

V. PROGRAM OBJECTS

BD+284211D RIGHT ASCENSION = 21 50 4 GRATING NO. 1 ORDER = 1 GR TILT = 21400 CENTRAL WAVELENGTH = 5453.7
DECLINATION = 28 45 0 SLIT WIDTH = 115 DECKER = 387 FILTERS - UPPER = 963 LOWER = 26

OBSERVING LOG	FILE NO	APERTURE	INT TIME	HOUR ANGLE	AIRMASS	PST
	357	L	61.55	0 31	1.018	3 30
	358	R	61.55	0 33	1.019	3 32

(COMMENT=POL=202.70-4 SEC SNG)

DATA FOR BOTH APERATURE(S) APERTURE BALANCE FACTORS LEFT/RIGHT = 1.01 SKY/OBJ = 1.00

BROAD BAND MAGNITUDES AND COLORS

V = 11.79

OVF

CH NO	LAMDA (ANG)	FNU X10**-25 (ECS)	SIGMA	MNU	CH NO	LAMDA (ANG)	FNU X10**-25 (ECS)	SIGMA	MNU	CH NO	LAMDA (ANG)	FNU X10**-25 (ECS)	SIGMA	MNU
2	4256.21	9.681	.036	11.485	122	4375.05	10.274	.036	11.421	242	4501.73	10.801	.036	11.366
3	4257.17	9.357	.035	11.522	123	4376.07	10.205	.036	11.428	243	4502.81	10.743	.036	11.372
4	4258.12	9.385	.035	11.519	124	4377.10	10.255	.036	11.423	244	4503.90	10.754	.036	11.371
5	4259.08	9.645	.036	11.489	125	4378.12	10.172	.036	11.431	245	4504.99	10.715	.036	11.375
6	4260.04	9.881	.036	11.463	126	4379.15	10.161	.036	11.433	246	4506.07	10.681	.036	11.378
7	4260.99	9.871	.036	11.464	127	4380.18	10.198	.036	11.429	247	4507.16	10.681	.036	11.378
8	4261.95	9.804	.036	11.471	128	4381.20	10.266	.036	11.422	248	4508.25	10.623	.036	11.384
9	4262.91	9.900	.036	11.461	129	4382.23	10.167	.036	11.432	249	4509.34	10.691	.036	11.377
10	4263.87	9.848	.036	11.467	130	4383.26	10.229	.036	11.425	250	4510.43	10.719	.036	11.375
11	4264.83	9.758	.036	11.477	131	4384.29	10.271	.036	11.421	251	4511.52	10.690	.036	11.378
12	4265.79	9.777	.036	11.474	132	4385.32	10.150	.036	11.434	252	4512.61	10.637	.036	11.383
13	4266.75	9.826	.036	11.469	133	4386.35	10.186	.036	11.430	253	4513.70	10.596	.036	11.387
14	4267.71	9.795	.036	11.472	134	4387.38	10.239	.036	11.424	254	4514.79	10.721	.036	11.374
15	4268.68	9.832	.036	11.468	135	4388.41	10.198	.036	11.429	255	4515.88	10.713	.036	11.375
16	4269.64	9.877	.036	11.463	136	4389.44	10.248	.036	11.423	256	4516.97	10.690	.036	11.378
17	4270.60	9.875	.036	11.464	137	4390.47	10.217	.036	11.427	257	4518.07	10.724	.036	11.374
18	4271.57	9.903	.036	11.461	138	4391.51	10.314	.036	11.416	258	4519.16	10.683	.036	11.378
19	4272.53	10.026	.036	11.447	139	4392.54	10.350	.036	11.413	259	4520.25	10.746	.036	11.370
20	4273.50	9.920	.036	11.459	140	4393.57	10.370	.036	11.411	260	4521.35	10.748	.036	11.372
21	4274.47	9.915	.036	11.459	141	4394.61	10.408	.036	11.407	261	4522.44	10.707	.036	11.376
22	4275.43	9.744	.036	11.478	142	4395.64	10.469	.036	11.401	262	4523.54	10.670	.036	11.380
23	4276.40	9.814	.036	11.470	143	4396.68	10.406	.036	11.407	263	4524.63	10.727	.036	11.374
24	4277.37	9.851	.036	11.466	144	4397.71	10.457	.036	11.401	264	4525.73	10.637	.036	11.383
25	4278.34	9.869	.036	11.464	145	4398.75	10.383	.036	11.409	265	4526.82	10.625	.036	11.384
26	4279.31	9.820	.036	11.470	146	4399.79	10.423	.036	11.405	266	4527.92	10.530	.035	11.394
27	4280.28	9.833	.036	11.468	147	4400.82	10.520	.036	11.395	267	4529.02	10.565	.035	11.390
28	4281.25	9.871	.036	11.464	148	4401.86	10.496	.036	11.397	268	4530.12	10.516	.035	11.396
29	4282.22	9.954	.036	11.455	149	4402.90	10.534	.036	11.393	269	4531.21	10.490	.035	11.398
30	4283.19	9.954	.036	11.455	150	4403.94	10.466	.036	11.401	270	4532.31	10.410	.035	11.406
31	4284.16	9.979	.036	11.452	151	4404.98	10.542	.036	11.393	271	4533.41	10.514	.035	11.396
32	4285.13	10.009	.036	11.449	152	4406.02	10.430	.036	11.404	272	4534.51	10.371	.035	11.410
33	4286.11	10.098	.036	11.439	153	4407.06	10.457	.036	11.401	273	4535.61	10.290	.035	11.419
34	4287.08	10.047	.036	11.445	154	4408.10	10.532	.036	11.394	274	4536.71	10.394	.035	11.408
35	4288.05	10.157	.036	11.433	155	4409.14	10.475	.036	11.400	275	4537.81	10.228	.035	11.426
36	4289.03	10.106	.036	11.439	156	4410.18	10.449	.036	11.402	276	4538.91	10.222	.035	11.426
37	4290.01	10.130	.036	11.436	157	4411.23	10.475	.036	11.400	277	4540.02	10.191	.035	11.429
38	4290.98	10.091	.036	11.440	158	4412.27	10.461	.036	11.401	278	4541.12	10.247	.035	11.423
39	4291.96	10.111	.036	11.438	159	4413.31	10.602	.036	11.387	279	4542.22	10.307	.035	11.417
40	4292.94	10.178	.036	11.431	160	4414.36	10.598	.036	11.392	280	4543.32	10.403	.035	11.407
41	4293.91	10.074	.036	11.442	161	4415.40	10.631	.036	11.388	281	4544.43	10.336	.035	11.414
42	4294.89	10.069	.036	11.443	162	4416.45	10.559	.036	11.391	282	4545.53	10.332	.035	11.415
43	4295.87	9.978	.036	11.452	163	4417.50	10.525	.036	11.394	283	4546.64	10.305	.035	11.417
44	4296.85	10.131	.036	11.436	164	4418.54	10.537	.036	11.393	284	4547.74	10.317	.035	11.416
45	4297.83	9.986	.036	11.452	165	4419.59	10.645	.036	11.382	285	4548.85	10.329	.035	11.415
46	4298.81	10.036	.036	11.446	166	4420.64	10.598	.036	11.387	286	4549.95	10.345	.035	11.413
47	4299.80	10.050	.036	11.445	167	4421.68	10.650	.036	11.382	287	4551.06	10.424	.035	11.405
48	4300.78	10.125	.036	11.436	168	4422.73	10.636	.036	11.383	288	4552.17	10.277	.035	11.420
49	4301.76	10.043	.036	11.445	169	4423.78	10.642	.036	11.382	289	4553.28	10.440	.035	11.403
50	4302.74	10.097	.036	11.440	170	4424.83	10.636	.036	11.383	290	4554.38	10.383	.035	11.409
51	4303.73	10.013	.036	11.449	171	4425.88	10.525	.036	11.394	291	4555.49	10.393	.035	11.408
52	4304.71	10.093	.036	11.440	172	4426.93	10.571	.036	11.390	292	4556.60	10.432	.035	11.404
53	4305.70	10.068	.036	11.443	173	4427.98	10.543	.036	11.393	293	4557.71	10.395	.035	11.408
54	4306.68	10.032	.036	11.446	174	4429.03	10.661	.036	11.380	294	4558.82	10.461	.035	11.401
55	4307.67	10.075	.036	11.442	175	4430.09	10.558	.036	11.391	295	4559.93	10.528	.035	11.394
56	4308.66	10.035	.036	11.446	176	4431.14	10.410	.036	11.406	296	4561.04	10.525	.035	11.394
57	4309.64	10.029	.036	11.447	177	4432.19	10.480	.036	11.399	297	4562.15	10.686	.036	11.378
58	4310.63	9.992	.036	11.451	178	4433.25	10.475	.036	11.400	298	4563.26	10.650	.035	11.382
59	4311.62	10.039	.036	11.446	179	4434.30	10.380	.036	11.409	299	4564.37	10.637	.035	11.383

**********IDS OBSERVATIONS OF 6 JUL 76 **********

V. PROGRAM OBJECTS

BD+284211C RIGHT ASCENSION = 21 50 4 GRATING NO. 1 ORDER = 1 GR TILT = 21400 CENTRAL WAVELENGTH = 5453.7
DECLINATION = 28 45 0 SLIT WIDTH = 115 DECKER = 387 FILTERS - UPPER = 963 LOWER = 26

OBSERVING LOG	FILE NO	APERTURE	INT TIME	HOUR ANGLE	AIRMASS	PST
	359	L	61.55	0 35	1.020	3 33
	360	R	61.55	0 36	1.020	3 35

(COMMENT=POL=161.39)

DATA FOR BOTH APERTURE(S) APERTURE BALANCE FACTORS LEFT/RIGHT = 1.01 SKY/OBJ = 1.00

BROAD BAND MAGNITUDES AND COLORS

V = 11.76

OVF

CH NO	LAMDA (ANG)	FNU X10**-25 (ECS)	SIGMA	MNU	CH NO	LAMDA (ANG)	FNU X10**-25 (ECS)	SIGMA	MNU	CH NO	LAMDA (ANG)	FNU X10**-25 (ECS)	SIGMA	MNU
2	4256.21	10.162	.037	11.433	122	4375.05	10.805	.037	11.366	242	4501.73	11.292	.037	11.318
3	4257.17	9.808	.036	11.471	123	4376.07	10.778	.037	11.369	243	4502.81	11.228	.037	11.324
4	4258.12	9.876	.036	11.463	124	4377.10	10.791	.037	11.367	244	4503.90	11.189	.037	11.328
5	4259.08	10.215	.037	11.427	125	4378.12	10.792	.037	11.367	245	4504.99	11.178	.037	11.329
6	4260.04	10.247	.037	11.423	126	4379.15	10.872	.037	11.359	246	4506.07	11.168	.037	11.330
7	4260.99	10.262	.037	11.422	127	4380.18	10.846	.037	11.362	247	4507.16	11.093	.037	11.337
8	4261.95	10.145	.037	11.434	128	4381.20	10.873	.037	11.359	248	4508.25	11.196	.037	11.327
9	4262.91	10.211	.037	11.427	129	4382.23	10.835	.037	11.363	249	4509.34	11.067	.037	11.340
10	4263.87	10.250	.037	11.423	130	4383.26	10.809	.037	11.365	250	4510.43	11.186	.037	11.328
11	4264.83	10.301	.037	11.418	131	4384.29	10.778	.037	11.369	251	4511.52	11.213	.037	11.326
12	4265.79	10.233	.037	11.425	132	4385.32	10.813	.037	11.365	252	4512.61	11.270	.037	11.320
13	4266.75	10.260	.037	11.422	133	4386.35	10.807	.037	11.366	253	4513.70	11.191	.037	11.328
14	4267.71	10.301	.037	11.418	134	4387.38	10.733	.037	11.373	254	4514.79	11.309	.037	11.316
15	4268.68	10.377	.037	11.410	135	4388.41	10.880	.037	11.358	255	4515.88	11.329	.037	11.315
16	4269.64	10.468	.037	11.400	136	4389.44	10.899	.037	11.357	256	4516.97	11.385	.037	11.309
17	4270.60	10.400	.037	11.407	137	4390.47	10.921	.037	11.354	257	4518.07	11.422	.037	11.306
18	4271.57	10.462	.037	11.401	138	4391.51	10.888	.037	11.358	258	4519.16	11.243	.037	11.323
19	4272.53	10.613	.038	11.385	139	4392.54	10.943	.037	11.352	259	4520.25	11.442	.037	11.304
20	4273.50	10.507	.037	11.396	140	4393.57	10.992	.037	11.347	260	4521.35	11.333	.037	11.314
21	4274.47	10.489	.037	11.398	141	4394.61	11.005	.037	11.346	261	4522.44	11.289	.037	11.318
22	4275.43	10.503	.037	11.397	142	4395.64	10.925	.037	11.354	262	4523.54	11.144	.037	11.332
23	4276.40	10.441	.037	11.403	143	4396.68	11.006	.037	11.344	263	4524.63	11.236	.037	11.324
24	4277.37	10.399	.037	11.408	144	4397.71	11.062	.037	11.340	264	4525.73	11.129	.037	11.334
25	4278.34	10.299	.037	11.418	145	4398.75	10.971	.037	11.349	265	4526.82	11.102	.037	11.337
26	4279.31	10.342	.037	11.414	146	4399.79	10.955	.037	11.351	266	4527.92	11.089	.036	11.338
27	4280.28	10.417	.037	11.406	147	4400.82	10.983	.037	11.348	267	4529.02	11.065	.036	11.340
28	4281.25	10.361	.037	11.409	148	4401.86	10.998	.037	11.347	268	4530.12	10.974	.036	11.349
29	4282.22	10.420	.037	11.405	149	4402.90	11.024	.037	11.344	269	4531.21	10.980	.036	11.348
30	4283.19	10.435	.037	11.404	150	4403.94	11.064	.037	11.340	270	4532.31	10.933	.036	11.353
31	4284.16	10.385	.037	11.409	151	4404.98	11.043	.037	11.342	271	4533.41	10.876	.036	11.359
32	4285.13	10.503	.037	11.397	152	4406.02	10.932	.037	11.353	272	4534.51	10.869	.036	11.360
33	4286.11	10.451	.037	11.402	153	4407.06	10.947	.037	11.352	273	4535.61	10.868	.036	11.360
34	4287.08	10.512	.037	11.396	154	4408.10	10.979	.037	11.349	274	4536.71	10.778	.036	11.369
35	4288.05	10.423	.037	11.405	155	4409.14	10.991	.037	11.347	275	4537.81	10.796	.036	11.367
36	4289.03	10.462	.037	11.401	156	4410.18	11.035	.037	11.343	276	4538.91	10.883	.036	11.358
37	4290.01	10.569	.037	11.390	157	4411.23	11.055	.037	11.341	277	4540.02	10.809	.036	11.366
38	4290.98	10.500	.037	11.397	158	4412.27	11.075	.037	11.339	278	4541.12	10.820	.036	11.364
39	4291.96	10.484	.037	11.399	159	4413.31	11.038	.037	11.343	279	4542.22	10.745	.036	11.372
40	4292.94	10.511	.037	11.396	160	4414.36	11.054	.037	11.341	280	4543.32	10.822	.036	11.364
41	4293.91	10.567	.037	11.390	161	4415.40	11.124	.037	11.334	281	4544.43	10.796	.036	11.367
42	4294.89	10.502	.037	11.397	162	4416.45	11.147	.037	11.332	282	4545.53	10.802	.036	11.366
43	4295.87	10.518	.037	11.395	163	4417.50	11.071	.037	11.340	283	4546.64	10.754	.036	11.371
44	4296.85	10.529	.037	11.395	164	4418.54	11.080	.037	11.338	284	4547.74	10.665	.036	11.380
45	4297.83	10.487	.037	11.398	165	4419.59	11.096	.037	11.337	285	4548.85	10.829	.036	11.363
46	4298.81	10.569	.037	11.390	166	4420.64	11.160	.037	11.331	286	4549.95	10.812	.036	11.365
47	4299.80	10.501	.037	11.397	167	4421.68	11.138	.037	11.333	287	4551.06	10.833	.036	11.363
48	4300.78	10.619	.037	11.385	168	4422.73	11.120	.037	11.335	288	4552.17	10.952	.036	11.351
49	4301.76	10.531	.037	11.394	169	4423.78	11.072	.037	11.339	289	4553.28	10.902	.036	11.356
50	4302.74	10.583	.037	11.388	170	4424.83	11.095	.037	11.337	290	4554.38	10.996	.036	11.347
51	4303.73	10.505	.037	11.397	171	4425.88	11.059	.037	11.341	291	4555.49	10.971	.036	11.349
52	4304.71	10.543	.037	11.393	172	4426.93	10.996	.037	11.347	292	4556.60	11.038	.036	11.343
53	4305.70	10.408	.037	11.407	173	4427.98	10.938	.037	11.353	293	4557.71	11.065	.036	11.340
54	4306.68	10.449	.037	11.402	174	4429.03	11.011	.037	11.345	294	4558.82	11.071	.036	11.339
55	4307.67	10.531	.037	11.394	175	4430.09	11.031	.037	11.343	295	4559.93	11.108	.036	11.336
56	4308.66	10.428	.037	11.404	176	4431.14	10.878	.037	11.359	296	4561.04	11.167	.036	11.330
57	4309.64	10.497	.037	11.397	177	4432.19	10.910	.037	11.355	297	4562.15	11.105	.036	11.336
58	4310.63	10.440	.037	11.403	178	4433.25	10.903	.037	11.356	298	4563.26	11.008	.036	11.346
59	4311.62	10.416	.037	11.406	179	4434.30	10.939	.037	11.353	299	4564.37	11.002	.036	11.346