WITH MY COMPLIMENTS

Alan Harris

esa
VILLAFRANCA DEL CASTILLO
SATELLITE TRACKING STATION

APARTADO 54065
TELEFS. 401 96 61
402 53 41
TELEX 42555.
MADRID (SPAIN)

I.U.E

VILSPA OBSERVATORY LOG

VOLUME 6

1983

OBSERVATORY LOG

DATE D M Y: 1 JAN 83 | RAW TAPE D M: 1 JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot unkov/f.r	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE169	NGC 2537 82	~12	α 8h, 9m, 41s δ 46°, 8', 43" R 315°, 32', 21"	L	SWP 18927 1+ 1	1.0.	.20 -1.9 -11.2	L	0	09:22:15	385:00	3	•	2	MN=	ALLOIN-DUFLO A.H.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 2 M JAN Y 83 RAW TAPE D 2 M JAN

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.:	FOCUS BKG FHDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 169	NGC 3690 82	~12	α 11h,25m,41.5s δ 58°,50',10.1" R 274°,51',45.6"	L	SWP 17935 1+1	b.o.	-1.5 .40 8.5	L	0	08:57:33	410:00	4	0	3	MN=	ALLOIN ... -AUGAROE A.N.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 3 M JAN Y 83 RAW TAPE D 3 M JAN

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.:	FOCUS BKG FHDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EM 121	NGC 7078 83	6.3	α 21h,27m,36.5s δ +11°,57',0" R 132°,25',29.7"		FES2 1388 1+1	Full Acce 20 Lb/s 83/cm²									MN=	C. GRY. A.H
"	"	"	α , , δ , , R , ,	H	LWP 12757 1+	604 222 F.O.	-3.2 .35 6.8	L	0	08:33:26	440:00	5	1	9	MN=	"
			α , , δ , , R , ,		1+	image read at 68 FC									MN=	
			α , , δ , , R , ,		1+	Total exp. time = 900m									MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 4 M JAN Y 83 RAW TAPE D 4 M JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot unkn/f..	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE181	NGC 362 83	~6.8	α 1h, 0m, 38.5s δ -71°, 7', 3" R 98°, 46', 31.3"	H	FES 2 1389 1+ 1	Fuel cell 20 kb/s 8 s/inf									MN=	C. GRY AT/AH
"	"	"	α , , δ , , R , ,	H	LWP 1758 1+	630 179 F0	=0.8 0.08 7.5	L	0	9:11:16	44 0:0	5	1	9	MN=	"
			α , , δ , , R , ,		1+	→ read at GSFC									MN=	
			α , , δ , , R , ,		1+	Total exp. time = 780 min									MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 05 M JAN Y 83 RAW TAPE D 5 M JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot unkn/f..	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE266	A 1422+48 84	15	α 14h, 19m, 38.7s δ 48°, 01', 06" R 240°, 15', 19"	L	SWP 18951 1+2	8.0	-2.1 .08 -11.8	L	0	08:55:08	150:00	3	3	1	26 chs at R.M. MN=	C. BRUNT AT/AH
"	MCG 2-58-22 84	14	α 23h, 02m, 07.1s δ -8°, 57', 19" R 111°, 8', 54"	L	LWR 15001 1+2	80	-1.6 .08 14.5	L	0	12:32.15	90:00	3	3	4	45 chs at R.M. MN= 743	"
"	"	"	α , , δ , , R , ,	L	SWP 18952 1+3	80	-2. .08 10.2	L	0	14:09:27	98:00	3	5	0	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 6 M JAN Y 83 RAW TAPE D 6 M JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE266	A1422+48 84	15	α 14 , 19 , 38.7 δ 48 , 01 , 06 R 241 , 27 , 21	L	LWP 1760 1+1	BO	-1.2 .08 -5.8	L	0	09:17:30	150:00	3	3	1	GUIDE X {X 341 Y -721 CT: 225(SO) MN=	C.C. BRUNI AT/CC
〃	MKN 1152 84	15	α 1 ; 11 , 21.8 δ -15 , 06 , 37 R 111 , 11 , 05.7	L	SWP 18456 1+2	BO	-1.7 .08 6.1	L	0	12.48.27	174:00	2	3	1	GUIDE X {X 347 Y -186 CT: 353(FO) EXPO. INTERRUPTED TWICE MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 07 M JAN Y 83 RAW TAPE D 07 M JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EC279	AN ORI 58	TTau 11.8	α 05 , 30 , 47.4 δ -05 , 32 , 07 R 140 , 48 , 2.9	L	LWR 15013 1+1	430 130 50	-.3 .08 14.2	L	0	08:45:48	30:00	3	3	2	GUIDE: X 557 Y 1513 CT 944 FO Mostly nebular pers Jreller 25π MN=	PENSION/LAGO AT/CC
〃	〃	〃	α , , δ , , R , ,	L	SWP 18962 1+2	415 120 50	-.3 .08 11.5	L	0	08:22:58	120:00	3	3	1	GUIDE X: 757 Y: 1364 CT 1070 FO all nebular? MN=	
	TT 1404	TTau 12.4	α 05 , 31 , 48.3 δ -05 , 38 , 44 R 140 , 14 , 47.0	L	LWR 15014 1+3	341 8 50	-2.0 .08 14.8	L	0	11:43:20	30:00	3	3	1	GUIDE X: -1286 Y: -113 CT: 967 FO. MN=	
	〃	〃	α , , δ , 〃 , R , ,	L	SWP 18963 1+4	389 8 50	-2.5 -08 12.5	L	0	12:16:49	210:00	2	3	1	GUIDE Y -1086 Y -254 CT 440 FO nebula strong. MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 8 M JAN Y 83 RAM TAPE D 8 M JAN

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot unkw/f.	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	SM. LOBES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EC279	CD-34 7151 58	KOV 10.4	α 10, 59, 30.3 δ -34, 26, 10 R 231, 57, 30.9	H	SWP 18967 1+1	149 0 FO	-1.3 .08 8.8	L	O	09:02:58	404:00	1	6	3	4DE(1086, 10, 25650) 20 pxs at 4y α MN=	PENSTON/LAGO ec
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 9 M JAN Y 83 RAM TAPE D 9 M JAN

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot unkw/f.	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	SM. LOBES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE252	PG 1351+64 85	QSO 14.8	α 13, 51, 46 δ 64, 00, 28 R 252, 36, 27.8	L	SWP 18975 1+1	840	-1.7 .08 10.2	L	O	08:53:50	200:00	3	6	2	4DE(389, -817 165 SO) MN=	DREW ec
"	NGC 5548 84	Seyfert 13.2	α 14, 15, 43.5 δ 25, 22, 01 R 243, 56, 51.7	L	LWR 15025 1+2	87 20 SO	-1.1 .08 14.2	L	O	12:47:14	60:00	4	5	2	4DE(1271, -592, 208 FO) MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 18976 1+3	74 7 SO	-1.8 .08 10.2	L S	O	13:52:34 15:07:33	70:00 40:00	3 2	5 3	1	4DE(1480, -732 187 FO) MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

FROM A CASSATELLA / VILSPA … PAGE 1/2

TO A HOLM / IUESOC GSFC. OBS. TIME : 8 hours.

INFO A HARRIS / C CASTRE / VILSPA

OBSERVATORY LOG

DATE D 10 M JAN Y 82 RAW TAPE D 10 M JAN

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD64414 26	B9 III 5	α 7, 31, 30.1 δ -14, 24, 51 R 183, 29, 36.1	L	LWR 15030 1 + 1	304 .69 RF	-1.09 0.08 14.2	L	O	085957 8 (GMT)	0:18	5	5	0	4 MIN HTR MN= top	CASSATELLA
〃	〃	〃	α , , δ 〃, 〃, R , ,	H	SWP 18978 1 + 2	308 .49 UF	-1.10 0.08 7.2	L	O	090413	30:00	2	2	0	GUIDING PROBLEM MN=	
〃	〃	〃	α , , δ 〃, 〃, 〃 R , ,	H	LWR 15031 1 + 3	319 86 UF	-0.65 0.08 13.8	L	O	093921	20:00	2	2	O	GUIDING PROBLEM 4 MIN HTR MN= /	
			α , , δ , , R , ,	L	SWP 18979 1 + 4	315 80 UF	-0.65 0.08 7.5	L S	O	100827 101235	0:20 4:00	4 8	4 8	0	B=13 C=137 MN= /	
〃	〃	〃	α , , δ 〃, 〃, 〃 R , ,	H	LWP 1764 1 + 5	314 46 UF	+2.96 0.08 6.1	L	O	110819	20:00	5	7	2	MN=	
〃	〃		α , , δ , , R , ,	H	SWP 18980 1 + 8	305 51 UF	1.40 0.08 6.8	L	O	114224	30:00	4	6	1	C~150 B~30 E = 2 pix sat MN=	
〃	〃		α , , δ , , R , ,	L	LWP 1765 1 + 6	309 44 UF	 0.08 7.2	L	O	121744	0:15	5	6	1	B = 32 C = 204 MN= /	
〃	HD60753 21	B3 IV 6.69	α 07, 32, 08 δ -50, 28, 29 R 182, 7, 20	H	LWP 1766 1 + 7	7501 23 FQ	-.8 .08 7.5	L	O	13:16:30	10:00	5	0	3	B = 50 C = 207 MN= /	

OBSERVATORY LOG

DATE D 10 M JAN Y 82 RAW TAPE D 10 M JAN

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	BD+28 4211 16	sd O 10.53	α 21, 48, 56 δ +28, 37, 35 R 141, 21, 18	H	LWP 1767 1 + [illegible] 11	258 O OF	-1.07	L	O	143209	68:00	5	0	1	MN=	CASSATELLA
〃	NULL	–	α , , δ , , R , ,		LWR 15032 1 + 9										LO READ MN= 689	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 11 M JAN Y 83 — RAW TAPE: D 11 M JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EA 107	HD 31293 34 (AB AUR)	B9e 7	α 4 , 52, 34.2 δ +30, 28 , 22 R 85 , 28 , 44.8	H	LWR 15038 1+1	4169 63 FO	-1.70 .08 11.5	L	O	08:51 18	45:00	4	5	3	GUIDE { X: -73 Y: 346 (CT: 651) FO E = 221 B = 40 C = 182 MN=	TALAVERA AC /AT
	"	"	α , , δ , , R , ,	H	SWP 18987 1+3	4803 7 FO	-2.5 .08 7.8	L	O	09:39:55	367:00	4	1	2	GUIDE { X: 166 Y: 607 (CT: 703) SATURATED λ > 1600 MN=	
	"	"	α , , δ , " , R , ,	L	LWR 15039 1+2	4168 63 FO	-1.7 .08 11.0	L	O	10:08:55	300:00	0	0	0	SIMULTANEOUS WITH SWP 18987 EMPTY SPECTRUM MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: 12 JAN 83 — RAW TAPE: 12 JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EA107	BD +46°3471 34	A0e 10.1	α 21 , 50 , 39.1 δ 46 , 59 , 22 R 146, 46, 39.5		FES 1390 1+1										MN=	TALAVERA. AC/AT
	"	"	α , , δ , " , R , ,	H	LWP 1768 1+	296 2 FO	-1.3 .08 6.1	L	O	09:04:33	880:00 (APROX)	5	5	9	GUIDE: { X. 380 Y. 102 (CT: 117) (FO) P Cyg Mg II MN=	
			α , , δ , , R , ,		1 +	→ IMAGE READ AT GODDARD S. P. C.									MN=	
			α , , δ , , R , ,		1 +	Total exp time = 860 min									MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 13 JAN 83 RAW TAPE (D M): 13 JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 208	1050+04 88	Em line Gal 15	α 10 , 50 , 28.6 δ + 4 , 53 , 21 R 245 . 44 , 12.5	L	LWP 1769 1 + 2	6.0.	-1.23 0.08 10.5	L	O	10 08 05	333:00	4	O	5	GDE(-224, 352) 15850 B = 55 C = 170 MN= —	GONDHALEKAR AC
	NULL		α , , δ , , R , ,		LWR 15046 1 + 1										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ													

OBSERVATORY LOG

DATE (D M Y): 14 Jan 83 RAW TAPE (D M): 14 Jan

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 208	1350 +00 80	15	α 13 , 50 , 11 δ 00 , 22 , 35 R 248 , 31 , 11	L	SWP 18997 1 + 1	8/0	-.3 .08 9.5	L	O	10/18/37	325/0	2	2	1	MN=	Gondhalekar WW.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 15 M JAN Y 83 RAW TAPE D 15 M JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE 40.5	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
SEYFE	~~AKN 120~~ ~~84~~ GSC 04752.0107 64	~~Seyfert~~ ~~12.5~~ 12.2	α 5, 13, ~~37.9~~ δ −0, 12, 18 R 122, 43, 21.5	L	LWR 15055 ~~10555~~ 1+1 AWH	142 2 05	−1.73 0.08 16.2	L	O	08 51 58	100:00	0	0	2	WRONG OBJECT MN=	CASSATELLA AC
"	AKN 120 84	Seyfert 12.5	α 5, 13, 37.9 δ −0, 12, 15 R 122, 43, 21.5	L	LWR 15056 ~~10556~~ 1+2 AWH	56 0 05	−1.39 0.08 17.6	L	O	12 13 38	95:00	5	5	1	MN=	
"	"	"	α , , δ − , — R , ,	L	SWP 19004 1+3	.62 3 05	−1.56 0.08 13.2	L	O	13 53 02	115:00	3	5	1	Lyα : 228 CIV : 163 BCK 224 MN=	
"			α , , δ , , R , ,		1+										MN=	
"			α , , δ , , R , ,		1+										MN=	
"			α , , δ , , R , ,		1+										MN=	
"			α , , δ , , R , ,		1+										MN=	
			α , , δ , ,												MN=	

OBSERVATORY LOG

DATE D 16 M JAN Y 83 RAW TAPE D 16 M JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI240	HD 99946 66	W UMa 7.1	α 11, 27, 25.6 δ +30, 14, 35 R 267, 0, 38.8	L	SWP 19008 1+1	5894 23 OF	1.28 0.08 12.8	L	O	08 32 30	90:00	8	3	1	overexposed λ > 1700 CIV 74; SiIV 49 D = 2.3 MN=	PRINGLE AC
"	"	7.3	α , , δ , , R , ,	L	SWP 19009 1+2	4769 16 OF	−0.24 0.08 14.2	L	O	10 28 14	90:00	8	3	1	4563 cts at 12:00 (Overexp. λ > 1710) B=24 CIV 66; HeII 105 MN=	
"	"	"	α , , δ , , R , ,	L	SWP 19010 1+3	4956 10 OF	−2.72 0.08 14.5	L	O	12 22 48	90:00	8	3	1	4956 cts at 12:21 Overexp λ > 1710 HeII 120; B=29 CIV 82 MN=	
"	"	"	α , , δ , , R , ,	L	SWP 19011 1+4	5602 10 OF	−1.50 0.08 12.8	L	O	14 18 22	90:00	8	3	1	5705 cts 13:56 4634 cts 15:59 CIV 80; HeII 19 B=25 MN=	
"	"	"	α , , δ , , R , ,		1+										MN=	
"	"	"	α , , δ , , R , ,		1+										MN=	
"	"	"	α , , δ , , R , ,		1+										MN=	
"	"	"	α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D M Y: 17 JAN 83 RAW TAPE D M: 17 JAN

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot unkw/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI240	HD135421B 66	G5 8.6	α 15, 10, 50.4 δ +62, 2, 49 R 243, 20, 06.4	L	SWP 19022 1 + 1	60	4.58 0.08 9.5	L	O	091344	394:00	3	O	3	2102 CTS (FO) at RP mid of expo C = 134 (1900 Å) B = 71 MN= /	PRINGLE AC
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 18 JAN 83 RAW TAPE D M: 18 JAN

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot unkw/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI 240	HD99946 66	F0 7.1	α 11, 27, 25.6 δ 30, 14, 35 R 268, 29, 43	L	SWP 19028 1 + 1	5642 12 FO	.7 .08 10.8	L	O	09:00:00	90:00	7	3	1	GDE (218 - 314 587 FO) MN=	PRINGLE ee
"	"	"	α , , δ , " , R , ,	L	SWP 19029 1 + 2	4828 " FO	.4 .08 10.8	L	O	10:59:00	90:00	7	3	1	MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 19030 1 + 3	5583 16 FO	-1.1 .08 10.8	L	O	12:53:02	90:00	7	3	1	MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 19031 1 + 4	5070 16 FO	-1.3 .30 10.5	L	O	14:47:30	60:00	7	3	1	MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 19 JAN 83 RAW TAPE D M: 19 JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI 240	HD 216598 66	G3 8.8	α 22 . 51 , 22.5 δ 37 , 40 , 19 R 137 . 51 . 34.2	L	SWP 19035 1 +	1006 4 FO	-2.6 .08 11.5	L	O	08:45:51	422:00	2	3	3	GDE(951, -790 702 SO) MN=	PRINGLE ee
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: 20 JAN 83 RAW TAPE: 20 JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 044	PI103-006 85	QSO 16.5	α 11 ; 03 , 58.2 δ -0 , 36 , 39 R 241 . 42 . 46.9	L	SWP 19048 1 + 1	B/O	-1.0 .08 10.2	L	Ø	09:27:45	380:00	3	4	3	GDE(-145, 513 67 SO) MN=	KUNTH ee
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 21 H Jan Y 83 RAW TAPE D 21 M Jan

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot under/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE044	P1510-089 85	16.5	α 15, 10, 09 δ -8, 54, 47 R 251, 36, 28	L	SWP 19054 1+1	B/0	-2·0 ·08 8·2	L	0	08/59/08	408/0	2	3	2	MN=	KUNTH/
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 22 H Ja Y 83 RAW TAPE D 22 M Ja

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot under/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EM 162	COS 99 70	10.4	α 8, 19, 00 δ -36 3, 00 R 181, 24, 42	L	SWP 19058 1+1	286 13 F.0	-1·21 ·08 11·2	L	0	08/33/58	15/0	1	1	0	MN=	GREVING/ GIACCONI WW
"	"	"	α , , δ " " " R , ,	L	LWR 15089 1+3	283 15 F.0	-1·64 ·08 11·2	L	0	08/53/44	15/0	1	1	2	MN=	" " "
EM 162	HD 36521 10	12.3	α 5, 26, 47 δ -68, 52, 53 R 181, 28, 21	H	SWP 19059 1+4	192 14 5.0	-1·74 ·08 11·2	L	0	10/06/46	240/0	3	3	2	MN=	" "
"	GSL 13 1-12	12.6	α 5, 26, 57 δ -68, 52, 36 R 181, 28, 21	L	LWR 15090 1+5	145 15 5.0	-1·55 ·08 15·2	L	0	14/15/08	30/0	6	0	2	MN=	" "
"	"	12.6	α , , δ " " " R , ,	L	SWP 19060 1+6	33 3 F.0	-2·00 ·08 11·8	L	0	14/48/42	32/0	7	0	0	MN=	" "
"	COS 99		α , , δ , , R , ,		FES 1391 1+2										MN=	"
"	GSL 1-12		α , , δ , , R , ,		FES 1392 1+7										MN=	"
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D M Y: 23 Jan 83 RAW TAPE D M: 23 Jan

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EM 162	IC 2448 70	12.5	α 9, 6, 37 δ −69, 44, 7 R 191, 21, 49	H	SWP 19067 1 + 1	367 18 5.0	−1.65 .08 10.2	L	O	8/28/48	180/0	2	7	1	1640 } Scheduled 1909 } MN=	Graving/Bianchi W.W.
"	"	"	α , , δ " , " , " R , ,	H	LWR 15096 1 + 2	383 25 5.0	−1.18 .08 15.2	L	O	11/32/31	230/0	2	3	5	MN=	" " "
"	"	"	α , , δ " , " , " R , ,	L	SWP 19068 1 + 3	378 236 5.0	−1.29 .08 105	S	O	15/27/02	20/0	3	3	0	MN=	" "
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , ,													

OBSERVATORY LOG

DATE: 24 Jan 83 RAW TAPE: 24 Jan

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 257	Q 1206+459 85	15.8	α 12, 06, 27 δ 45, 57, 17 R 280, 46, 2	L	SWP 19074 1 + 1	B/0	−.69 .08 125	L	0	03/17/27	390/0	2	0	2	10-20 DN cont. MN=	Briggs WW.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 25 M JAN Y 83 — RAW TAPE: D 25 M JAN

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot unkw/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
STAND	HD 57061 13	O9 Ib 4.4	α 07h, 16m, 37.9s δ -24°, 51', 41" R 157°, 14', 0".5	L	SWP 19079 1 + 1	466 70 FU	-2.08 .08 12.5	L S	O O	08:50:45 08:50:45	0:01.9 0:01.9	5 3	0 0	0 0	Trailed 1 pass R = 10.417 SAP = small star or scattered light	A. HECK AH/AT
"	"	"	α , , δ , " , R , ,	L	LWR 15101 1 + 2	522 70 FU	-2.08 .08 15.5	L	O	08:58:09	0:01.3	5	0	2	Trailed 1 pass R = 15.625 MN=	"
"	HD 37043 14	O9 III 2.8	α 5h, 32m, 59.1s δ -5°, 56', 27" R 121°, 26', 31".9	L	SWP 19080 1 + 3	2976 450 FU	-0.69 .08 11.8	L	O	10:15:10	0:0.35	6	0	1	Trailed 1 pass R = 56.8 n 40 px sat. MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 15102 1 + 4	2359 400 Fu	-1.12 .08 15.9	L	O	10:24:11	0:0.33	5	0	2	Trailed 1 pass R = 59.99 MN=	"
"	HD 22928 24	B5 III 3.0	α 3h, 39m, 21.2s δ 47°, 37', 45" R 90°, 18', 22".9	L	LWR 15103 1 + 7	1718 154 Fu	-1.74 .08 15.9	L	O	11:39:42	0:1.06	5	0	2	Trailed 1 pass R = 18.94 MN=	"
EA165B	N 40 70	11	α 0h, 10m, 16.5 δ 72°, 14', 33" R 127°, 48', 52".1	H	SWP 19081 1 + 8	113 16 FO	-1.85 .08 11.2	L	O	12:11:46	180:00	3	3	1	MN=	BIANCHI-GREWING AH/AT
	"	"	α , , δ , " , R , ,		FES 1394 1 + 6	[illegible] 34				2xxxb	39/—				MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 15104 1 + 9	112 31 FO	-1.62 -08 15.2	L S	O O	15:33 47 15:18:55	08:00 16:00	3 2	4 2	2 2	EFFECTIVE EXP.TIME IN SAP ≈ 3 M B[illegible] OF JUMP IN TRAKING MN=	"

OBSERVATORY LOG

DATE 26 | 1 | 83 RAW TAPE 26 JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot unkn/T.	FOCUS BKG THDA	APERTURE	AP. SEP.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
SC 152	HD 139195 46	K7 5.3	α 15 , 34 , 5.2 δ +10 , 10 , 33 R 250 , 35 , 57.1	L	LWR 15113 1 + 1	19641 73 F/0	-.34 -.47 0.08 15.2	L L	O	08:29:08 08:37:24	04:00 02:00	6 5	1 1	2 2	RP (2,-212), (-34,-204) 4 min HTR MN= 767	Querci AWH.
"	HD 156074 50	C0 7.5	α 17 , 11 , 56.5 δ +42 , 09 , 49 R 227 , 59 , 05.2	L	LWR 15114 1 + 2	2718 3 F/0	-.75 0.08 15.2	L	O	09:31:16	30:00	5	1	2	MN=	"
"	TW. HOR 50	C4 5.6	α 03 , 11 , 17.0 δ -57 , 30 , 30 R 108 , 34 , 42.9	L	LWR 15115 1 + 3	17972 81 F/0	-.37 -1.65 0.08 15.2	L L	O	10:56:34 12:29:03	85:00 85:00	3 3	3 4	5 5	RP (2,-212) (-34,-204) Mg II good MN=	"
"	TX PSC 50	N0 5.0	α 23 , 43 , 50.0 δ +0.3 , 12 , 36 R 117 , 0 , 36.6	L	LWR 15116 1 + 4	348 52 F/U	-.64 0.08 16.2	L	O	14:40:31	65:00	3	3	3	Mg II MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 27 M JAN Y 83 RAW TAPE D 27 M JAN

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
5M080	HD 162732 26	B7Ie 6.4	α 17 , 48 , 44.7 δ 48 , 24 , 25 R220 , 13 , 13.1	HI	SWP 19094 1+1	6996 22 F/0	-2.4 .08 9.8	L	O	08:27:57	25:00	5	1	1	MN=	Doalan AWH
"	"	"	α " , " , " δ " , " , " R " , " , "	HI	LWR 15124 1+2	6934 13 F/0	-2.4 .08 13.5	L	O	08:56:29	22:00	5	1	3	MN=	" "
"	HD 138749 26	B6IIIe 4.2	α 15 , 30 , 54.7 δ 31 , 31 , 36 R246 , 54 , 24.7	HI	SWP 19095 1+3	564 76 F/U	-2.7 .08 10.2	L	O	09:50:26	01:45	5	1	0	MN=	" "
"	"	"	α " , " , " δ " , " , " R " , " , "	HI	LWR 15125 1+4	583 76 F/U	-1.9 .08 14.5	L	O	10:12:51	01:15	5	1	2	MN=	" "
"	HD 200120 26	B1.5Ve 4.7	α 20 , 58 , 7.4 δ 47 , 19 , 30 R174 , 06 , 23.6	HI	SWP 19096 1+5	26313 515 F/a	-0.6 .08 10.5	L	O	10:55:21	01:30	5	1	1	MN=	" "
"	"	"	α " , " , " δ " , " , " R " , " , "	HI	LWR 15126 1+6	26300 550 F/a	-1.0 .08 14.8	L	O	11:26:25	01:30	5	1	2	MN=	" "
"	HD 5394 26	B0IIIe 2.2	α 0 , 53 , 40.3 δ 60 , 26 , 47 R120 , 54 , 54.4	HI	SWP 19097 1+7	3367 815 F/U	-1.3 .08 10.2	L	O	12:17:15	0:08	5	1	1	MN=	" "
5M242	HD 31964 33	A8Ia 4.0	α 04 , 58 , 22.5 δ 43 , 45 , 05 R78 , 53 , 25.6	HI	LWR 15127 1+8	701 143 F/U	-1.4 .08 15.2	L	O	13:04:06	60:00	7	1	3	2X over MN=	Strickland AWH.

OBSERVATORY LOG

DATE 27 JAN 83 RAW TAPE 27 JAN

PROPOSAL	OBJECT TYPE	SP. TYPE B_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
5M242	HD 31966 33	A8 Ia 4-0	α 04 , 58 , 22.5 δ 43 , 45 , 05 R 78 , 53 , 25.6	HI	SWP 19098 1 + 9	686 114 F/u	-0.6 0.08 10.2	L	O	14:07:19	70:00	3	3	1	MN=	Strickland AWH.
"	" "	" "	α " , " , " δ " , " , " R " , " , "	HI	LWR 15128 1 + 10	672 151 F/u	-1.2 0.08 15.5	L	O	15:20:49	20:00	5	1	2	MN=	" "
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 28 M JAN Y 83 RAW TAPE D 28 M JA

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. / slot / undov/f.	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
STAND FA05D	HD 67534 45	G2 Ib 4.4	α 7ʰ, 6ᵐ, 4.ˢ7 δ −2°, 50', 11". R 159°, 22', 33".7	L	LWR 15134 1+1	409 6/142 F.U.	−1.05 .08 14.8	L S	O O	08:34:23 08:37:37	0:25 1:30	3 4	0 0	2	4 min. w.u. MN=	A. HECK A.H.
"	"	"	α , , δ , , R , ,	L	LWR 15135 1+2	271 25/117 F.U.	−.68 .08 15.2	L S	O O	09:07:55 09:12:29	2:00 2:30	7 5	0 0	2	4 min. w.u. MN=	"
"	HD 47432 26	6.2 09.5 III	α 6ʰ, 36ᵐ, 2.ˢ5 δ 1°, 39', 29" R 170°, 59', 9".9	L	SWP 19110 1+3	10185 ?/172 F.O.	−2.08 0.8 9.5	L S	O O	10:16:04 10:23:05	0:51 1:00	5 7	0 0	1	TR. R= 0.194 1/pix MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 15136 1+4	10227 ?/167 F.O.	0.06 0.08 14.8	L S	O O	10:50:04 10:55:19	0:20.2 0:18	5 5	0 0	2	TR R=0.992 1/pix 4 min. w.u. MN=	"
"	HD 23432 22	B9 V 5.8	α 3ʰ, 42ᵐ, 55.ˢ3 δ +24°, 23', 58" R 101°, 11', 15".0	L	LWR 15137 1+5	15293 627/1269 F.O.	0.91 0.08 14.8	L S	O O	11:46:01 11:57:12	0:32 0:30	5 7	0 0	2	TR R=0.685 1/pix 4 min. w.u. MN=	"
"	HD 6582 44	G5 V 5.9	α 01ʰ, 04ᵐ, 55.ˢ6 δ +57°, 40', 32" R 119°, 36', 42".1	L	LWR 15138 1+6	20761 50/1171 FO	−1.78 0.08 14.7	L S	O O	12:40:18 12:43:48	1:00 1:00	5 5	6 5	2	15 1K sat. 4 min. w.u. MN=	"
"	HD 210839 15	O6 If 7.6	α 22ʰ, 9ᵐ, 49.ˢ5 δ 59°, 10', 2" R 158°, 22', 51".0	L	SWP 19111 1+7	247 43/1178 FU	−2.66 .08 9.5	L S	B O	13:35:23 13:40:44	0:24 0:18	5 7	5 7	0	TR R= 0.836 1/pix MN=	"
"	"	"	α , , δ , ,	L	LWR 15139	23153 59/2166	−3.01 .08	L	O	12:45:07 12:50:17	009.5 0:09	5 6	0 0	2	TR R=2.092 1/pix 3 1K sat.	"

OBSERVATORY LOG

DATE 28 JAN 83 RAW TAPE 28 JA

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
STAND FA05D	HD209481 12	O9 V 5.6	α 22ʰ, 0ᵐ, 23.ˢ4 δ +57°, 45', 30" R 160°, 34', 51".1	L	SWP 19112 1+9	167 51/912 FO/4	−1.80 .08 9.8	L S	O O	14:57:32 15:02:27	0:18 0:14	5 6	5 6	0	TR R=1.112 1/pix. 6S 1K sat. MN=	A. HECK A.H.
"	"	"	α , , δ , " , R , ,	L	LWR 15140 1+10	17287 536/? FO	−1.36 .08 14.5	L S	O O	15:06:08 15:10:43	0:08 0:06	5 5	0 0	2	TR R= 2.422 1/pix 4 min. w.u. MN=	"
"	"	"	α , , δ , " , R , ,	H	SWP 19113 1+11	17500 71 F.U.	−1.21 .08 8.8	L	O	15:35:42	6:00	5	0	1	MN=	"
			α , , δ , " , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 29 M JAN Y 83 RAW TAPE D 29 M JA

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHAT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
FA179	HD 111786 30	λ Boo 6.2	α 12h, 44m, 17.2 δ −26°, 28', 1" R 240°, 3', 13".2	L	LWR 15142 1+1	10459 21/606 FO	−.36 .08 14.2	L S	O O	08:25:23 08:29:05	0:20 1:00	4 5	5 0	2	1 1x salt. 4 m.w.up MN=	A. HECK A.H.
"	"	"	α , , δ , " , R , ,	L	SWP 19124 1+2	10275 32/479 FO	−.79 .08 10.2	L S	O O	08:35:01 08:40:09	1:25 5:00	5 7	0 0	0	MN=	"
"	HD 110411 30	A0V 5.0	α 12h, 39m, 21.2 δ 10°, 30', 39" R 255°, 4', 45".1	L	LWR 15143 1+4	25452 73/1900 FO	−2.15 .08 14.5	L S	O O	09:52:44 09:56:33	0:05 0:13	5 5	0 0	2	4 m.w.up MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 19125 1+3	25877 106/1478 FO	−2.95 .08 10.2	L S	O O	09:59:56 10:09:06	0:13 0:35	5 6	0 0	0	1 1x salt. MN=	"
"	HD 181470 32	A0 III 6.2	α 19h, 17m, 15.5 δ +37°, 21', 7".3 R 209°, 3', 34".6	L	SWP 19126 1+5	9855 32/693 FO	−2.06 .08 9.8	L S	O O	11:24:00 11:27:31	0:20 1:40	5 7	0 0	0	MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 15144 1+6	9958 30/807 FO	−2.06 .08 14.8	L S	O O	11:32:09 11:36:19	0:15 0:40	5 6	0 0	2	3 1x salt. 4 m.w.up MN=	"
"	HD 80081 30	A1V 3.8	α 9h, 15m, 53.5 δ +37°, 1', 30" R 337°, 38', 53".2	H	LWR 15145 1+7	714 153 FU	−2.65 .08 14.8	L	O	12:42:15	4:30	6	0	2	4 10 1x salt. 4 m.w.up MN=	"
"	"	"	α , , δ , " , R , ,	H	SWP 19127 1+8	740 108 FU	−2.22 .08 9.8	L	O	12:50:25	6:20	5	0	1		"

OBSERVATORY LOG

DATE 29 JAN 83 RAW TAPE 29 JA

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHAT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
FA179	HD 181470 32	A0 III 6.2	α 19h, 17m, 15.5 δ 37°, 21', 7".3 R 208°, 11', 6".6	H	LWR 15146 1+9	9184 14 FO	−.07 .08 15.2	L	O	13:37:28	25:00	5	0	3	4 m.w.up MN=	A. HECK A.H.
"	"	"	α , , δ , " , R , ,	H	SWP 19128 1+10	9820 27 FO	−1.15 .08 10.2	L	O	14:09:12	30:00	5	0	1	MN=	"
"	HD 107058 36	A2p 8.7	α 12h, 3m, 11.2 δ +49°, 57', 38" R 290°, 29', 38"	L	LWR 15147 1+11	970 3 FO	−2.60 .08 15.2	L	O	15:25:14	4:30	5	0	2	4 m.w.up MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 19129 1+12	924 F FO	−2.12 .08 10.5	L	O	15:37:21	13:00	4	0	0	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D M Y: 30 JAN 83 | RAW TAPE D M: 30 JA[N]

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 183	TFLOOD		α , , δ — , — , — R , ,	H	SWP 19139 1 + 1			L	O		00:9.6				60 % TFLOOD MN=	SANZ FDC AT/PB.
"	"		α , , δ , , R , ,	H	LWR 15151 1 + 2			L	O		00:13.2				60 % TFLOOD MN=	
"	MK 392 37	DO 15.2	α 08 , 56 , 10.4 δ 33 , 08 , 51.5 R 352 , 19 , 39.0	L	SWP 19140 1 + 3	11 50	-0.38 .08 4.8	L	O	09:44:02	60:00	2	1		60 s {X -737 Y -172 cr: 202 (FO) ~~WRONG STAR~~ ?? Target near edge of aperture MN=	
	"	"	α , , δ , , R , ,	L	LWR 15152 1 + 4	"	1.12 .08 4.5	L	O	10:34:23	24:00	3	3	1	60 s {X -935 Y -34 172 (FO) Target near edge of aperture MN=	
	BD +75°325 16	SDO 9.5	α 08 , 04 , 43 δ 75 , 06 , 48 R 12 , 13 , 27.0	L	SWP 19141 1 + 5	664 FO	1.66 .08 14.2	L	O	12:12:25	00:43.4	4	4	0	TRAILED | R=0.461 I = 1 MN=	
	"	"	α , , δ , , R , ,	L	LWR 15153 1 + 6	643 FO	1.99 .08 15.3	L	O	12:20:05	01:14.3	4	4	2	TRAILED | R=0.269 I = 1 MN=	
	HZ 21 17	DO 14.2	α 12 , 11 , 25.2 δ 33 , 13 , 15.6 R 275 , 42 , 11.6	L	SWP 19142 1 + 7	29 50	-1.44 .08 15.2	L	O	13:52:52	25:00	5	5	0	60 s {X 250 Y 305 385 (FO) MN=	
	"	"	α , , δ , ,	L	LWR 15154	"	-1.69 .08	L	O	14:24:04	40:00	4	4	3	60 s {50 -364 314 (FO)	

OBSERVATORY LOG

DATE D M Y: 30 JAN 83 | RAW TAPE D M: 30 JA[N]

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 183	HZ 21 17		α , , δ , , R , ,	L	SWP 19143 1 + 9		-1.51 .08 13.2	L	O	15:10:35	37:00	5	5	0	~~TRAILED LINE~~ 20 M + 17 M MN=	SANZ FO AT/PB
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 31 M JAN Y 83 RAW TAPE D 31 M JA

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONO
PHCAL	HD 60753 21	B3 IV 6.7	α 07 , 32 , 08 δ -50 , 28 , 29 R 159 , 54 , 37.3	L	LWP 1785 1+1	7149 17 FO	-.84 .08 8.5	L S	O O	08:46:54 08:52:45	00:6 00:18	6 4	● ●	2 2	MN=	TALAVERA AT / PB
	HD 214680 13	O8 III 4.9	α 22 , 37 , 01 δ 38 , 47 , 22.4 R 151 , 16 , 20.9	L	LWP 1786 1+2	357 FU	-1.18 .08 9.5	L	O	10:20:55	00:02	5	●	2	TRAILED | R = 9.90 I = 1 MN=	
	11	4	α , , δ , , R , ,	H	LWP 1787 1+3	362 FU	-2.26 .08 10.2	L	O	11:05:52	00:36	5	●	2	MN=	
	HD 93521 12	O9 V$_p$ 7.0	α 10 ; 45 , 34 δ 37 , 50 , 04 R 301 , 18 , 33.5	L	LWP 1788 1+4	5830 5 FO	-1.73 .08 10.5	L S	O O	11:53:54 11:58:08	00:03 00:09	6 5	● ●	2 2	MN=	
	11		α , , δ , , R , ,	L	LWP 1789 1+5	5830 FO	-2.12 .08 10.8	L	O	12:28:13	00:11.1	4	●	2	TRAILED | R = 1.802 I = 1 MN=	
	SN (NGC 1265) 56	SN	α 03 , 14 , 57 δ 41 , 40 , 32 R 99 , 46 , 34.6	L	LWP 1790 1+8	142 10 50	-.93 .08 11.5	L	O	14:41:31	25:00	2	3	0	CDE | X 369 108 (FO) Y -300 MN=	PENAGOS AT / PB
	11	11	α , , δ , , R , ,		FES 1395 1+6										FES IMAGE MN=	
	NULL READ		α , , δ , , ~		LWR 15157											

D M Y D M

OBSERVATORY LOG

DATE: 1 FEB 83 RAW TAPE 7 FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ent. p. slot undev/fix	FOCUS BKG THDA	APERTURE	AP. SUM.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+	NO IUE SUPPORT									MN=	
			α δ R		1+	SHIFT PAID BACK TO ESFC									MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE: D 02 M FEB Y 83 / 03 FEB 83 — RAW TAPE: D M

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , ,													

NO R/T SUPPORT

BOTH PHILIPS COMPUTERS "RED"

OBSERVATORY LOG

DATE: D 04 M FEB Y 83 — RAW TAPE: D 04 M FEB

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CC 262	HD 224085 46	K2 IVe 7.1	α 23 , 52 , 29 δ 28 , 21 , 18 R 133 , 6 , 51.4	H	LWR 15177 1 + 1	2190 – f.o.	–.55 0.08 15.5	L	O	05:49:27	40:00	2	4	2	EXPOSURE STARTED AT GSFC MN=	BYRNE - RODONO / B
	"		α , , δ , , R , ,	L	SWP 19187 1 + 2	2909 9 f.o.	–1.65 0.08 11.5	L	O	06:33:18	80:00	2	4	1	MN=	" /
	HD ~~1099~~ 22468 44	G5V + K1 IV 6.0	α 3 , 34 , 13 δ 0 , 25 , 33 R 106 , 32 , 59	H	LWR 15178 1 + 3	12534 950 f o	–1.12 0.08 15.5	L	O	08:35:06	15:00	2	5	2	MN=	" / "
	"		α , , δ , , R , ,	L	SWP 19188 1 + 4	12515 180 f.o	–0.63 0.08 11.5	L	O	09:01:17	35:00	3	5	1	MN=	" / "
	AD Leo 49	M3.5Ve 9.4	α 10 , 16 , 54 δ 20 , 07 , 19 R 279 , 46 , 50.2	L	LWR 15179 1 + 5	792 39 f o	+.66 0.10 15.5	L	O	10:47:03	16:00	1 ~~2~~	3	2	TRAILED (4×4 exp) MN=	" / "
	"		α , , δ , , R , ,	L	SWP 19189 1 + 6	789 30 f o	+1.31 0.08 11.8	L	O	11:21:42	40:00	~~4~~ 1	2	1	TRAILED (2×20 exp) MN=	" / "
	"		α , , δ , , R , ,	L	LWR 15180 1 + 7	832 15 f.o.	+1.92 0.08 16.5	L	O	12:47:11	16:00	1 4	3	2	(4×4 exp) MN=	" / "
	"		α , , δ , , R , ,	L	SWP 19190 1 + 8	789 30 f.o	+3.35 0.08 14.5	L	O	13:03:16	60:00	1 ×	2 ×	1 ×	~~READ AT GSFC~~ (2×30 exp) MN=	" / "

OBSERVATORY LOG

DATE: D 5 M FEB Y 83 — RAW TAPE: D 5 M FEB

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.a	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
IC 262	+20 4645 49	11.3.5Ve 9.4	α 10, 16, 54 δ 20, 07, 19 R 281, 3, 50.9	L	SWP 19198 1 + 1	843 28 f.o.	3.46 0.08 13.8	L	O	06.13.16	60:00	1	2	1	2×30ᵐ exp. MN=	BYRNE - ROBINSON P.R.
	"	"	α , , δ , , R , ,	L	SWP 19199 1 + 2	855 20 f.o.	4.84 0.08 12.5	L	O	07:29:34	60:00	1	2	1	2×30ᵐ exp MN=	"/"
	"		α , , δ , , R , ,	L	LWR 15188 1 + 3	856 18	5.56 0.08 15.2	L	O	08:42:41	20:00	2	2	2	MN=	"/"
	HD 4727 21	B5 V 4.5	α 0, 47, 2.7 δ 40, 48, 24 R 126, 55, 4.5	L	SWP 19200 1 + 4	420 37 f.u.	4.89 0.08 13.8	L S	O C	09:59:44	00:06 ~~00:04~~	5	0	1	TRAILED R = 3.47 I = 1 MN=	"/"
	"		α , , δ , , R , ,	L	LWR 15189 1 + 5	436 76 f.u.	4.23 0.08 15.5	L	O	10:05:59	00.03	5	0	2	TRAILED R = 5.95 I = 1 MN=	"/"
	HD 22468 44	G5 V+ K1 IV 6.0	α 3, 34, 13 δ 0, 25, 33 R 106, 11, 46.6	L	SWP 19201 1 + 6	13585 271 f.o.	4.91 0.08 14.2	L	O	10:57:28	85:00	2	5	1	MN=	"/"
	"		α , , δ , , R , ,	H	LWR 15190 1 + 7	13736 66 f.o.	4.61 0.08 15.9	L	O	11:37:44	15:00	2	5	2	MN=	"/"
	HD 224085 46	K2 IVe 7.3	α 23, 52, 28 δ 28, 21, 18 R 133, 52, 53.8	L	SWP 19202	3294 12	1.30 0.08	L	O	12:30:43	80:00	2	4	1		"/"

OBSERVATORY LOG

DATE: 05 FEB 83 RAW TAPE: 05 FEB

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EC 262	HD 224085 6.6	K2 IVe 7.3	α 23 , 52 , 28 δ 28 , 21 , 48 R 133 , 53 , 53.8	H	LWR 15191 1 +	3065 7 f.o.	-1.335 0.08 15.2	L	O	13:53 49	00:40				READ AT G.S.F.C. MN=	BYRNE-Rodono P.B.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 06 M FEB Y 83 — RAW TAPE: D 06 M FEB

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 138	NGC 3994 80	13.3	α 11 , 55 , 2.4 δ 32 , 33 , 22 R 284 , 56 , 66.4	L	LWR 15199 1 + 1	8.0.	-1.48 0.08 13.8	L	O	07:08:50	600:00	3	0	8	MN=	TARENGHI P.B.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ													

OBSERVATORY LOG

DATE: 07 FEB 83 — RAW TAPE: 07 FEB

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 138	NGC 3991 88	13.5	α 11 , 54 , 55.4 δ 32 , 37 , 09 R 286 , 31 , 39	L	SWP 19 218 1 +	8.0.	-1.8 0.08 8.5	L	O	07:31:25	376:00	2	0	3	SW Extension MN=	TARENGHI P.B.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 08 M FEB Y 83 RAW TAPE D M

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
	NO IUE - SUPPORT		α , , δ , , R , ,		1+ / SHIFT PAID BACK TO GSFC										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,													

OBSERVATORY LOG

DATE 09 FEB 83 RAW TAPE 09 FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
SEYFE	VGC 5148 84	Seyfert 12.9	α 14 , 15 , 41.2 δ 25 , 22 , 00.0 R263 , 24 , 41.8	L	SWP 19231 1+1	69 9 50	-1.69 .08 10.5	L	0	06:34:44	85:00	3	5	0	GOE X 1189 Y-1170 CT: 144 FO. MN=	WAMSTEKER TAGUENIS AT/WW
"	"	"	α , , δ , , R , ,	L	LWR 15220 1+2	66 6 50	-.91 .08 14.8	L	0	08:08:14	85:00	4	5	4	GOE X 883 Y-1020 205 FO MN=	
	AKN 120 84	Seyfert N 13	α 05 , 13 , 37.9 δ -.00 , 12 , 15.6 R106 , 37 , 33.9	L	SWP 19232 1+	61 50	-.40 .08 10.2	L	0	13:01:52	45:00	3	3	0	GOE X 694 Y 482 552(50) MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 10 M FEB Y 83 RAW TAPE D 10 M FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC 142	HD 163930 41	F2 7.25	α 17, 55, 51.2 δ 15, 08, 30 R 243, 17, 42.0	L	SWP 19233 1+1	3695 9 FO	-.55 .08 10.2	L	O	06:51:15	90:00	3	2	0	60E X 282 Y 239 362(SO) GOOD AT λ > 1700 MN=	F. FIGUERAS - GIMENEZ - CASTRO AT / WW
	HD 77137 44	G0V 6.87	α 08, 57, 34.0 δ -27, 37, 10 R 167, 47, 54.7	L	SWP 19234 1+2	5583 15 FO	-.79 .08 11.2	L	O	09:21:03	150:00	3	3	1	60E X 153 Y -814 272 (SO) MN=	
	HD 155555 44	G5 6.67	α 17, 12, 18.1 δ -66, 53, 40 R 287, 30, 06.8	L	SWP 19235 1+3	5883 18 FO	-.14 .08 11.2	L	O	12:47:35	60:00	3	4	0	60E X -197 Y -448 147 (SO) MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α													

OBSERVATORY LOG

DATE D 11 M Feb Y 83 RAW TAPE D 11 M Feb.

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE249	Q 133+17 8.5	16.0	α 13, 31, 1.0 δ 17, 4, 25 R 263, 49, 48	L	LWP 1797 1+1	B/0	-.54 .08 10.8	L	O	6/55/17	395/0	3	1	2	MN=	GUMDHALFKAR WW
	Null		α δ R		LWR 15263 1+2										MN=	4
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE D 12 M Feb Y 83 RAW TAPE D 12 M Feb

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SEL.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 249	MKN 205 85	14.9	α 12, 19, 34 δ 75, 35, 16 R 316, 40, 54	L	SWP 19238 1+1	B/0 18ws I.O.	0·13 ·08 10·2	L	0	08/43/07	294/0	3	5	2	EXP for 30 min but end of tape for 10 min. MN=	SONDHALEKAR WW.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 13 M Feb Y 83 RAW TAPE D 13 M Feb

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SEL.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 249	Q 1331 +17 85	16·0	α 13, 13, 10 δ 17, 04, 25 R 265, 4, 23	L	LWP 1798 1+6	B/0	-·44 ·08 9·8	L	0	07/10/30	392/0	3	1	2	MN=	Sondhalekar WW
11	NULL		α , , δ , , R , ,		LWR 15278 1+1							2	0	0	MN=	11 11
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 14 M Feb Y 83 RAW TAPE D 14 M Feb

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 249	MKN 205 85	14.9	α 12, 13, 34 δ 75, 35, 16 R 318, 43, 30	L	LWP 1799 1+2	B/0	-.96 .08 10.2	L	0	07/32/07	37 0/0	6	1	4	MN=	Gondhalekar WW.
"	NuLL		α , , δ , , R , ,		LWR 15286 1+1										MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , ,													

OBSERVATORY LOG

DATE 15 FEB 83 RAW TAPE 15 FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI083	05287 87	BL Lac. 14	α 08, 51, 57.2 δ 20, 17, 58.4 R 65, 07, 24	L	LWR 15290 1+1	B/0 (40 s/o)	-0.86 .08 13.8	L	0	07:22:03	120:00	3	0	4	GDE: X= -1151 Y= -943 323 cts. s/o MN=	Tanzi NWH.
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 19259 1+2	40 2 s/o	2.9 .08 12.8	L	0	09:26:23	120:00	3	1	1	GDE: X= -953 Y= -1081 384 cts. s/o MN=	"
"	PG 1351+64 85	950 13.5	α 13, 51, 46.1 δ 64, 00, 29 R 292, 03, 29	L	SWP 19260 1+3	B/0 (25 s/o)	1.0 .08 14.5	L	0	12:36:22	71:00	2	3	1	GDE: X= -185 Y= -1333 420 cts. s/o MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 16 M FEB Y 83 RAW TAPE D 16 M FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI 082	H 1405-451 66	15.5	α 14 ,05 ,58.2 δ -45 ,03 ,4.6 R	L	SWP 19269 1+1	G/O	-1.1 0.08 10.2	L	0	07:13:14	18:00	1	1	0	exp. time too short. GDE X=242, Y=-699 at 328 f/O MN=	TANZI. AWH.
"	"	"	α " , " , " δ " , " , " R241 ,26 ,42	L	LWR 15301 1+2	"	-1.1 0.08 15.5	L	0	07:35:12	97:00	2	3	4	GDE X=43, Y=-560 at 328 f/O. MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 19270 1+3	"	-0.34 0.08 10.2	L	0	09:17:06	200:00	3	3	2	GDE X=242, Y=-699 at 328 f/O. MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWR 15302 1+4	"	-0.9 0.08 14.8	L	0	12:52:09	52:00	3	3	3	GDE X=44, Y=-560 at 297 f/O. MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , ,													

OBSERVATORY LOG

DATE D 17 M FEB Y 83 RAW TAPE D 17 M FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD 60753 21	B3IV 6.7	α 7 ,32 ,08 δ -50 ,28 ,29 R141 ,43 ,27	L	LWP 1801 1+1	7137 10/1575 f.o.	-1.38 0.08 10.5	L O S		06:41:53 06:45:44	0:06 0:18	5 6	0 0	4	MN=	AWH.
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 1802 1+2	" 10 "	-0.2 0.08 11.2	L	0	07:19:58	0:26	4	0	4	TRAILED R=0.781 I=1 MN=	"
"	HD 32630 21	B3V 3.3	α 5 ,3 ,0.2 δ 41 ,10 ,08 R89 ,0 ,16	L	LWP 1803 1+3	1433 f.u.	-0.69 0.08 11.8	L	0	08:14:49	0:0.82	5	0	4	TRAILED R=24.39 I=1 MN=	"
"	HD 24760 23	B0.5III 2.9	α 3 ,54 ,29.4 δ 39 ,52 ,03 R100 ,15 ,04	L	LWP 1804 1+4	2150 f.u.	0.08 0.08 11.8	L	0	09:05:46	0:0.39	2	0	4	TRAILED R=51.28 I=1 MISSED APER? MN=	"
"	HD 3360 20	B2IV 3.7	α 0 ,34 ,10.3 δ 53 ,37 ,20 R140 ,29 ,15	L	LWP 1805 1+5	946 f.u.	-1.9 0.08 11.8	L	0	10:04:09	0:0.96	5	0	4	TRAILED R=20.83 I=1 MN=	"
"	HD 24760 23	B0.5III 2.9	α 3 ,54 ,29.4 δ 39 ,52 ,03 R100 ,17 ,0.3	L	LWP 1806 1+6	1989 f.u.	-3.6 0.08 11.8	L	0	11:09:45	0:0.39	2	0	4	TRAILED R=51.28 I=1 ? R TOO HIGH? MN=	RAN ARCHIVE 17 FEB 2 " TFILE 1+1
"	HD 214680 12	O8III 4.9	α 22 ,37 ,1.0 δ 38 ,47 ,22 R168 ,24 ,15	L	LWP 1807 1+7	27470 ~ to	-2.4 0.08 11.8	L	0	12 07 55	0:2.02	5	0	4	TRAILED R=9.90 I=1 MN=	"
"	HD 155763 25	B6III 3.5	α 17 ,08 ,38.1 δ 65 ,46 ,34 R249 ,28 ,17	L	LWP 1808 1+8	1409 f.u.	-2.3 0.08 11.8	L	0	13:10:10	0:1.4	4	0	3	TRAILED R=13.89 I=1 MN=	"

OBSERVATORY LOG

DATE D 17 M FEB Y 83 RAW TAPE D 17 M FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	READ		α , , δ , , R , ,		LWR 15310 1+9										NULL READ MN=	AUH.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , ,													

OBSERVATORY LOG

DATE 18 FEB 83 RAW TAPE 18 FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EA 025	R 127 52	SDa Type 10.1	α 05 , 37 , 09.7 δ -69, 31 , 27 R 116, 05 . 562	L	SWP 19287 1+ 1	233 / OF	-1.98 0.08 11.5	L	O	061903	15:00	5	0	1	GDE(-831,-620) two spectra C = 231 MN=	KLARE AC DJ
"	"	"	α , , δ , , R , ,	L	SWP 19288 1+2	326 / OF	-0.69 0.08 11.5	L	O	073402	15:00	6	0	1	GDE(-804,-636) One spectrum only C = few pix sat long λ MN=	
"	"	"	α , , δ , , R , ,	H	SWR 15322 1+3	326 - OF	-0.69 0.08 17.6	L	O	075749	345:00	7	0	9	GDE(-1002,-496) B=103 MN= 713	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 19 M FEB Y 83 RAW TAPE: D 19 M FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EAφ26	S DOR 52	Pec 9.4	α 5 , 18 , 35.2 δ -69 , 18 , 02 R 110 , 47 , 59	L	LWR 15330 1 + 1	611 / FO	-1.47 0.08 16.5	L	O	064940	16100	7	0	1	GDE(-220,-369)252 CTS Overexp 2420 ≤ λ ≤ 3120 (t~10") MN= –	KLARE A-C
–	–	–	α , , δ , , R , ,	L	SWP 19298 1 + 2	602 / FO	-1.90 0.08 12.2	L	O	072030	30:00	7	0	1	GDE(-24, -51?)258 (t ~ 70") Overexp λ > 1780 MN= –	
–	–	–	α , , δ , , R , ,	H	LWR 15331 1 + 3	/	-1.99 0.08 16.9	L	O	075756	290:00	7	0	8	GDE(-221, -369) B=73 (interorder) MN=	
–	Nova MUS 83 55	Nova 9	α 11 , 49 . 35 δ -66 , 55 , 43 R 205 , 14 , 233	L	SWP 19299 1 + 4	957 6 OF	-0.61 0.08 11.5	L	O	132729	20100	7	7	2	GDE(710, -524)220 FAST MN= –	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: 20 FEB 83 RAW TAPE: 20 FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD24760 23	B0.5 III 3	α 3 , 54 , 29.4 δ +39 , 52 , 3 R 101 , 13 , 15.2	L	LWR 15342 1 + 1	2069 / FU	-1.55 0.08 17.6	L	O	040509	0:0.47	5	0	1	TRAILED R = 42.55 C = 231 I = 1 B = 27 MN=	CASSATELLA
–	–	–	α , , δ – , – , – R , ,	L	LWR 15343 1 + 2	2100 FU	-1.90 0.08 17.6	L	O	074705	0:0.385	5	0	1	TRAILED R = 52.0 C = 193 I = 1 B = 26 MN=	–
"	HD214680 13	O8 III 4.9	α 22 , 37 , 01 δ +38 , 47 , 22 R 171 , 41 , 6	L	LWR 15344 1 + 3	380 / FU	-0.69 0.08 17.6	L	O	085541	0:2.42	5	0	1	TRAILED R = 8.26 I = 1 C = 208 B = 28 MN=	–
"	–	–	α , , δ – , – , – R , ,	H	LWR 15345 1 + 4	28500 / FO	-0.54 0.08 17.6	L	O	092814	0:42	4	0	2	C = 180 B = 39 MN=	–
FAφ74	HD 193237 23	B1Ia 4.9	α 20 , 15 , 56.5 δ +37 , 52 , 36 R 214 , 44 , 24	H	SWP 19307 1 + 5	27076 109 FO	-.45 0.08 11.8	L	O	101253	20:00	5	0	1	B = 36 C = 230 (1400 Å) MN=	–
–	–	–	α , , δ , , R , ,	L	LWR 15346 1 + 6	26790 80 FO	-1.65 0.08 17.2 S	L	O	110818 111147	0:04 4 sec 0:20	5 7	0 0	1	C = 198 B = 26 no signal λ < 2280 good 2342590 (overlap LAP) MN=	
–	–	–	α , , δ – , – , – R , ,	L	SWP 19308 1 + 7	26663 90 FO	-1.65 0.08 12.5 S	L	O	111706 111900	0:18 1:10	5 7	0 0	D	C = 120 (λ < 1500) C = 160 λ < 1800 – B = 13 few pix sat around 1300 MN=	no HTR + [illegible]
–	–	–	α , , δ , , R , ,	H	LWR 15347 1 + 8	27027 65 FO	-1.65 0.08 17.2	L	O	114730	6:00	5	6	2	C = 250 B = 55 MN= 439 [illegible]	

OBSERVATORY LOG

DATE (D M Y): 20 FEB 83 | RAW TAPE (D M): 20 FEB

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD93521	09VP 6.9	α 10, 45, 336 δ +37, 50, 04 R 341, 49, 33	L	LWP 1809 1 + 9	6093 13 OF	-1.66 0.08 11.5	L S	0	132350 132335	0:04 0:12	5 6	0 0	1 1	C = 212 B = 30 C = 2 x MN=	CARRATELLA
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , ,													

OBSERVATORY LOG

DATE: 21 FEB 83 | RAW TAPE: 21 FEB

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE177	NGC 3448 82	IRR. GAL 15	α 10, 51, 38.8 δ 54, 34, 20 R 346, 51, 08.1	L	SWP 19309 1 + 1	32 / OS	-1.80 0.08 10.2	L	O	070217	405:00	3	0	3	GDE(-902, -461) +8 118 cts (slow) C=94 B=49 MN=	CASINI AC
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 22 FEB 83 RAW TAPE (D M): 22 FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CENTR.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 177	NGC 3432 82	Irr cal 15	α 10 , 49 , 42.4 δ +36 , 53 , 05 R 343, 2 , 11.7	L	SWP 19313 1 + 1	6.0. /	-1.64 0.08 9.8	L	O	072353	383:00	3	O	Z	GDE (-164, -265). 599 CTS (FAST) C(xc A00) = 90 B = 45 C(-1300) = 109 MN=	CASINI AC
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ													

OBSERVATORY LOG

DATE: 23 FEB 83 RAW TAPE: 23 FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CENTR.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FH 104	NGC 2004 83	G.C. 9.9	α 5 , 30 , 44 δ -67, 19 , 0 R 109, 40, 46.4	H	SWP 19315 1 + 1	195 17 FO	-0.45 0.08 8.5	L	O	065046	417:00	3	O	4	GDE(-665,-333) 430 star C(1900) = 153 B = 78 C(1340) = 110 B = 60 MN= /	CASCATELLA - GEYER AC
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 24 M FEB Y 83 RAW TAPE D 24 M FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS IMG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 257	Q1254 +047 85	15.8	α 12 , 54 , 27.6 δ 04 , 43 , 47.3 R 259 , 58 , 58.2	L	SWP 19321 1+	B0	-.49 .08 9.5	L	0	06:52:36	415:00	3	0	3	602 X -393 Y -760 141(50) MN=	SNIJDERS CC/AT
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , ,							?						

OBSERVATORY LOG

DATE 25 FEB 83 RAW TAPE 25 FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS IMG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 255	NGC 1275 87	13.0	α 03 , 16 , 29.8 δ 41 , 19 , 51 R 109 , 17 , 19.9	L	LWP 1813 1+2	61 : . 50	-1.27 .08 6.8	L	0	06:52:55	170:00	3	4	2	602 X -166 Y -418 308(50) MN=	SNIJDERS CC/AT
	NULL READ		α , , δ , , R , ,		LWR 15369 1+1										MN=	
EI 113	HD 218343 26	B2IIIe 6.8	α 23 . 04 . 51 δ 49 , 55 , 18 R , ,	H	LWR 15370 1+4	4695 7 F0	-1.83 .08 12.5	L	0	10:28:41	60:00	4	5	3	MN=	HUBERT CC/AT
	HD 217050 26	B3IIIe 5.4	α 22 , 54 , 51.6 δ 48 , 25 , 00 R , ,	H	SWP 19323 1+3	21865 75 F0	-1.53 .08 8.5	L	0	11:41:49	03:40	4	0	1	MN=	
EI 479	Z CAM 54	Cod.V. 11	α 8 , 19 40 δ +73 , 16 , 24 R 36 , 33 , 168	L	SWP 19324 1+5	223 0 0F	-1.04 0.08 92	L	0	13:32:00	12:00	8	8	0	SATURATED 2X MN=	CASSATELLA
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 26 M FEB Y 83 RAW TAPE D 26 M FEB

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undev/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EM 282A	HD 165955 21	B3V 9.2	α 18, 06, 33.3 δ -34, 52, 43 R 275, 54, 11.7	H	SWP 19326 1+1	748 3 Fo	-1.09 .08 11.2	L	0	06:29:25	80:00	4	0	1	GOE X 1095 Y 582 222 (Fo) MN=	WEST C/AT
	"	"	α , , δ , , R , ,	H	SWP 19327 1+2	746 3 Fo	-1.26 .08 11.8	L	0	08:16:52	110:00	5	0	1	MN=	
	HD 177566 23	B1III 10.2	α 19, 03, 36.8 δ -41, 47, 53 R 289, 48, 46.7	H	SWP 19328 1+3	322 2 Fo	-1.05 .08 12.2	L	0	10:46:30	60:00	4	0	1	GOE X 586 Y -1134 131 (Fo) MN=	
	HD 121968 20	10.3	α 13, 56, 16.1 δ -2, 40, 19 R 256, 19, 5.5	H	SWP 19329 1+4	298 2 Fo	-1.39 .08 12.5	L	0	12:24:15	83:00	4	0	1	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , ,													

OBSERVATORY LOG

DATE D 27 M FEB Y 83 RAW TAPE D 27 M FEB

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undev/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 098	NGC 1553 80	S0 GALAXY 10.5	α 04, 15, 05 δ -55, 54, 12 R 90, 21, 16.6	L	LWR 15381 1+1	266 43 S0	-1.41 .08 15.5	L	0	06:26:17	193:00	3	0	3	GOE X 13 Y -843 484 (So) MN=	ROCCA-VOLMERANGE ST/CE
	"	"	α , , δ , , R , ,	L	SWP 19340 1+2		-1.44 .08 11.5	L	0	06:50:44	168:00	1	0	1	SERENDIPITY EXPOSURE MN=	
FC 016	HD 2151 44	G2 IV 2.8	α 00, 23, 8.0 δ -77, 32, 0 R , ,	H	LWR 15382 1+3	1611 212 FU	-1.56 .08 17.2	L	0	10:34:05	15:00	7	5	2	GOE X 900 Y -450 282 (So) MN≈ 390	DRAVINS AT/CE
"	"	"	α , , δ , , R , ,	H	LWR 15383 1+1 (rpt 2)	1675 FU	-1.81 .08 17.6	L	0	11:15:00	15:00	7	5	2	MN= 378	
"	"	"	α , , δ , , R , ,	H	LWR 15384 1+2 #2	1685 FU	-1.73 .08 17.6	L	0	12:10:47	15:00	7	5	2	MN= 261	
"	"	"	α , , δ , , R , ,	H	LWR 15385 1+3 #2	1687 309 FU	-1.2 .08 17.6	L	0	12:50:43	15:00	7	5	2	MN= 418	
"	"	"	α , , δ , , R , ,	H	LWR 15386 1+4 #2	1692 FU	-1.24 .08 17.9	L	0	13:29:58	15:00	7	5	2	MN= 391	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D M Y: 28 FEB 83 RAW TAPE D M: 28 FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 252	HD 159561 31	A4 V 2.1	α 17 , 32 , 36.6 δ 12 , 35 , 41 R 258 , 52 , 15.4	H	LWR 15389 1 + 1	3208 748 FU	-2.91 .08 16.2	L	O	06:25:32	1:10	6	0	2	MN=	R. FREIRE AT/CC
	HD 106661 30	A2 V 5.2	α 12 , 13 , 27.8 δ 15 , 10 , 38 R 284 , 13 , 45.7	H	LWR 15390 1 + 2	22869 64 FO	-1.67 .08 16.5	L	O	07:14:47	12.20	5	0	2	MN=	
	HD 95934 35	A2 m 6.1	α 11 , 01 , 44.5 δ 38 , 30 , 40 R 350 , 00 , 59.7	H	LWR 15391 1 + 3	11687 480 FO	.14 .08 16.5	L	O	08:50:49	32:00	5	0	3	MN=	
	HD 116656 30	A2 V 2.3	α 13 , 21 , 54.9 δ 55 , 11 , 09 R 310 , 14 , 33.0	H	LWR 15392 1 + 6	6759 736 FU	-.13 .08 17.2	L	O	10:12:30	00:42	5	0	2	MN=	
	"	"	α , , δ , , R , ,	H	SWP 19353 1 + 5	6831 815 FU	-.47 .08 13.5	L	O	10:15:57	05:15	7	0	0	MN=	
	"		α , , δ , , R , ,		FES 140D 1 + 4										FIELD FOR HD 116656 + HD 116657 MN=	
	HD 19832 36	A0p 5.6	α 03 , 09 , 15.1 δ 27 , 04 , 11 R 108 , 30 , 47.3	H	SWP 19354 1 + 7	14877 56 FO	-1.34 .08 14.2	L	O	11:03:00	26:30	7	0	1	MN=	
			α	H	LWR	14532	-1.98	L	O	11:34:06	07:15	5	0	2		

OBSERVATORY LOG

DATE 28 FEB 83 RAW TAPE 28 FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 252	HD 135382 30	A0 V 2.9	α 15 , 14 , 12.6 δ -68 , 29 , 49 R 246 , 39 , 15.1	H	SWP 19355 1 + 9	1650 303 FO	-1.5 .08 13.2	L	O	12:24:23	09:00	7	0	0	MN=	FREIRE AT/CC
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 1 M MAR Y 83 RAW TAPE D 1 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI083	H1405-451 66	16.5	α 14 ,05 ,58.2 δ -46 ,03 ,04.6 R234, 24.16	L	SWP 19359 1+3	B/0	.4 ,08 12.8	L	0	06:03:59 08:35:29	40:00 128:00	3	0	1	GDE (310, -679 308 FO) MN=	MARASCHI
"	"	"	α , , δ , , R , ,	L	LWP 1817 1+2	B/0	-.8 .08 12.8	L	0	06:48:40	100:00	3	0	2	GDE (111, -542, 283 FO) MN=	"
"	NULL		α , , δ , , R , ,		LWR 15399 1+1							0	0	2	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 02 MAR 83 RAW TAPE 2 MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI083	PG1550+191 66	15	α 15 ,50 ,33.1 δ 19 ,05 ,17.4 R267, 21 ,00.6	L	SWP 19366 1+1	3/0	-1.7 .08 11.2	L	0	04:21:29	110:00	3	3	1	GDE (593, -983 372 SO) C=46 E=100 MN= B=24	MARASCHI
"	"	"	α , , δ , , R , ,	L	LWR 15404 1+2	B/0	-.1 .08 16.2	L	0	06:15:13	40:00	3	3	2	GDE (393, -845 395 SO) E.40 C=30 MN= 858	"
"	"	"	α , , δ , , R , ,	L	SWP 19367 1+3	B/0	-1.0 .08 11.5	L	0	06:58:52	50:00	3	3	1	GDE (589, -996 401 SO) C=21 E=55 MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 15405 1+4	B/0	-1.9 .08 15.9	L	0	07:53:31	20:00	3	0	2	GDE (393, -856) MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 19368 1+5	B/0	-2.8 .08 11.2	L	0	08:19:59	50:00	2	3	1	GDE (593, -983) MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 15406 1+6	B/0	-1.1 .08 15.9	L	0	09:15:51	35:00	3	0	2	GDE (393, -845) MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 19369 1+7	B/0	-1.1 .08 11.5	L	0	09:54:44	52:00	3	3	1	GDE (593, -983) MN=	"
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 3 M MAR Y 83 RAW TAPE D 3 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	IES CTS ref. p. slot undov/T.F	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM080	HD97471 20	Bø 9.30	α 11 , 09 , 56.6 δ -58 , 31 , 55 R 184 , 55 , 18.1	L	LWR 15410 1 + 2	661 3 FO	-.7 .08 16.2	L	O	04:02:20 04:07:18	00:50 01:10	4 5	0	2	RP (2,-212), (-34,-204) MN=	CAHILL/JACOBS ee
11	11	11	α , , δ , 11 , R , ,	L	SWP 19375 1 + 1	660 5 FO	-.8 .08 12.2	L	O	04:16:10 04:11:13	00:30 00:50	3 4	0	0	RP (2,-212) (-34,-204) MN=	11
11	HD 26571 25	B9 6.20	α 04 . 09 . 53.1 δ 22 . 17 . 11 R 100 . 44 . 50.1	L	LWR 15411 1 + 3	10548 23 FO	-1.3 .08 16.2	L	O	05:50:09 05:54:04	00:15 00:45	5 7	0	2	RP (2,-212), (-34,-204) MN=	4
11	11	4	α , , δ , 4 , R , ,	L	SWP 19376 1 + 4	10494 59 FO	-1.3 .08 11.5	L	O	06:09:28 06:04:33	00:35 01:10	4 5	0	1	RP(2,-212), (-34,-204) MN=	4
4	HD 43836 32	AØ III 6.9	α 06 . 16 . 20.2 δ 23 . 17 . 46 R 88 . 24 . 50.8	L	LWR 15412 1 + 6	5194 24 FO	-1.0 .08 16.2	L	O	07:24:14 07:29:37	01:10 02:15	3 5	0	2	RP (2,-212) (-34,-204) MN=	4
4	11	4	α , , δ , 4 , R , ,	L	SWP 19377 1 + 5	5142 17 FO	-1.0 .08 11.5	L	O	07:43:34 07:34:29	02:10 05:00	3 3	0	0	RP(2,-212)(-34,-204) MN=	4
11	HD 3191 20	B1 IV 8.6	α 00 . 32 . 58.8 δ +61 . 11 . 04 R 153 . 35 . 7.8	L	LWR 15413 1 + 7	1301 4 Fo	-1.4 .08 16.2	L	O	08:51:41 08:58:10	02:00 07:00	5 7	0	2	Idem MN=	4
11	11	11	α , , δ , 11 , R , ,	L	SWP 19378 1 + 8	1387 3 Fo	-1.4 .08 11.2	L	O	09:18:53 09:07:28	05:00 07:30	3 4	0	1	Idem MN=	4

D M Y D M

OBSERVATORY LOG

DATE 3 MAR 83 RAW TAPE 3 MAR

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot unvlov/f.n	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM080	HD 217035 20	B0V 7.75	α 22, 54, 33.1 δ 62, 36, 04 R 179, 33, 58.6	L	LWR 15414 1 + 9	2472 7 FO	.8 .08 16.2	L	O	10:36:22 10:40:59	01:30 03:30	6 7	O	2	RP(2,-212)(-34,204 NO 4MIN-WUP MN= 565	CAHILL-JACOBS ee
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 4 M MAR Y 83 RAW TAPE D 4 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI 105	NOVA MUS 1983 55	CL. NOVA 9.6	α 11,49,35.1 δ -66, 55, 43.1 R 193, 55, 24.4	L	LWR 15421 1+4	615 2 FO	-.6 .15 15.9	L	O	04:36:37	05:00	5	7	2	SDE(581, -253 Mg II Sat 10x? MN=	WARSAW ee
〃	〃	〃	α , , δ , 〃 , R , ,	L	SWP 19383 1+1	625 5 FO	-.2 .54 12.5	L	O	04:13:26	20:00	3	8	1	SDE(779, -392 187 FO) NIV ~ 40x sat MN=	1
〃	〃	〃	α , , δ , 〃 , R , ,	L	SWP 19384 1+2	598 2 FO	-1.1 .08 13.8	L	O	05:03:40	05:00	3	7	1	NIV ~ 10x sat MN=	〃
〃	〃	〃	α , , δ , 〃 , R , ,	L	SWP 19385 1+3	611 1 FO	-1.5 .08 14.2	L	O	05:33:34	02:00	2	7	1	Sat λ1753 (NIV) λ1312. NIV ~ 4x MN=	〃
〃	〃	〃	α , , δ , 〃 , R , ,	M	SWP 19386 1+5	618 1 FO	-1.9 .08 14.5	L	O	06:00:18	120:00	1	7	1	NIV ~ 4-5 x MN=	〃
〃	〃	〃	α , , δ , 〃 , R , ,	M	SWP 19387 1+7	620 1 FO	-.7 .08 13.2	L	O	08:35:52	20:00	1	4	1	MN=	〃
〃	〃	〃	α , , δ , 〃 , R , ,	L	LWR 15422 1+6	644 1 FO	-.7 .08 16.5	L	O	08:32:02	00:30	3	5	2	MN=	〃
〃	〃	〃	α , , δ , 〃 , R , ,	L	SWP 19388 1+8	646 2 FO	-.7 .08 12.8	L	O	09:32:02	00:30	1	5	0	MN=	〃

D M Y D M

OBSERVATORY LOG

DATE 4 MAR 83 RAW TAPE 4/5 MAR

PROPOSAL	OBJECT TYPE	SP. TYPE Fν	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI105	NOVA HUS 1983 55	CL. NOVA 9.6	α 11 . 49 . 35.1 δ -66 . 55 . 43 R193 . 55 . 24.4	H	LWR 15423 1+9	640 2 FO	-.7 .08 16.5	L	O	09:44:47	45:00	2	6	3	So fx sat. MN=	WARGAU ee
11	11	11	α , , δ , 11 , R , ,	H	SWP 19389 1+10	614 2 FO	-.8 .08 12.5	L	O	10:35:32	12:00	1	3	0	MN=	11
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 5 M MAR Y 83 RAW TAPE D 5 M MAR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI 105	NOVA SER 1983 55	NOVA 11.9	α 17,53,02.4 δ -14, 00, 57 R 266, 49, 28.4	L	LWR 15427 1+1	288 7 SO	-1.5 .08 15.9	L	O	06:02:33	40:00	3	5	2	SDE(895,1341, 679 FO) MN=	WARGAU ee
"	"	"	α , , δ , , R , ,	L	SWP 19394 1+2	69 0 FO	-1.6 .08 11.2	L	O	06:47:39	150:00	2	3	1	SDE(1101,1201 686 FO) MN=	"
"	"	"	α , , δ " , R , ,	L	SWP 19395 1+3	255 7 SO	-1.1 .08 11.8	L	O	09:52:50	54:00	2	3	1	SDE (1098, 1203 752 FO) MN=	"
			α , , δ , , R , ,		1+	265 SO									Fes Cnts Q 10:54. MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 6 MAR 83 RAW TAPE 6 MAR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
SEYFE	NGC 3783 84	Seyfert 13.5	α 11, 36, 33 δ -37, 27, 41 R 191, 59, 6.7	L	LWR 15429 1+1	85 14 SO	.4 .08 14.2	L	O	04:36:27	110:00	5	6	3	SDE (100, -231 825 FO) MN= 831	CACCIARI ee
"	"	"	α , , δ , " , R , ,	L	SWP 19401 1+2	83 13 SO	-.6 .08 12.2	L	O	06:30:21	120:00	4	6	1	SDE(97, -372, 800 FO) MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 15430 1+3	79 15 SO	-1.9 .08 15.9	L	O	08:34:24	50:00	4	5	2	Idem MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 19402 1+4	80 10 SO	-2.4 .08 12.8	L	O	09:29:31	77:00	3	5	1	Idem MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 7 M MAR Y 83 RAW TAPE D 7 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EC 209	HD 190248 44	G8 3.6	α 20 , 03 , 50.0 δ −66 , 19 , 00 R 309,55 , 26.9	H	LWR 15436 1+1	832 137 FU	-2.42 .08 14.5	L	O	04:04:24	22:00	6	4	2	MN=	BECKMAN AT
	HD 2151 44	G2 2.8	α 00 , 23 , 09.4 δ −77 , 32 , 8 R 19 , 55 , 8.8	H	LWR 15437 1+2	1677 350 FU	-1.64 .08 15.5	L	O	05:17:33	06:30	6	3	2	MN=	
	HD 141891 40	F2 2.8	α 15 , 50 , 43.0 δ −63 , 16 , 42 R 250 , 23 , 11.5	H	LWR 15438 1+3	1630 279 FU	-1.60 .08 15.5	L	O	06:10:42	02:30	5	3	2	MN=	
	HD 12311 40	FO 2.9	α 01 , 57 , 11.7 δ −61 , 49 , 00 R 48 , 14 , 50.8	H	LWR 15439 1+4	1589 248 FU	-1.60 .08 15.5	L	O	07:01:28	04:30	7	3	2	OVEREXP. COUNT 2x MN=	
EI 189	HD 14422 22	B7 8.5	α 02 , 18 , 17.4 δ 57 , 09 , 31 R 129 , 53 , 24.3	L	LWR 15440 1+5	621 1 FO	-.82 .08 15.5	L	O	08:04:47	05:00	5	0	2	LWSA: 27 CT/FO -1.6 STEP	BARYLAK AT
								S	O	08:12:31	05:00	4	0	2	MN=	
	〃	~	α , , δ , , R , ,	L	SWP 19407 1+6	607 1 FO	-1.56 .08 9.8	L	O	08:20:04	04:30	3	0	0	MN=	
	HD 14143 20	B2 6.7	α 02 . 15 , 41.7 δ 56 . 56 , 14 R 130 , 29 , 3.1	L	LWR 15441 1+8	6200 17 FO	-1.56 .08 15.2	L	O	09:26:05	00:15	4	0	1	LWSA: 418 CT/FO -1.90 STEP	
								S	O	09:29:27	00:18	3	0	1	MN=	
	〃	~	α , , δ , ~ , R , ,	L	SWP 19408 1+1 TAPE2	6217 19 FO	-1.90 .08 10.2	L	O	09:33:13	00:13	2	0	0	IMAGE READ AT GSFC BECAUSE OF SILMA ERASIN	/ ALSO READ A VILSPA AND RECOVERED

D M Y D M

OBSERVATORY LOG

DATE 08 MAR 83 RAW TAPE 08 MAR

PROPOSAL	OBJECT TYPE	SP. TYPE mV	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	ITS CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	NR. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 227	F44 B 88	GALAXY 15.3	α 18 , 09 , 19.3 δ -57 , 44 , 47.5 R279 , 39 , 37.6	L	SWP 19418 1+1	BO	-.73 -.08 9.2	L	0	01:57:11	350:00	3	0	2	602 -801 -1239 188/P0 MN=	JOUBERT-KUUT ΔT
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 09 M MAR Y 83 RAW TAPE D 09 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot univ/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EA ϕϕ8	LONGMORE 8 70	0 12.6	α 13,22,45.1 δ -37,20,40 R222-,26,02.5	H	SWP 19422 1+1	119 14 50	.29 .08 8.5	L	O	04:21:57	385:00	4	0	3	GDE X -568 Y -243 410/80 MN=	HAMANN AT
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 10 MAR 83 RAW TAPE 10 MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot univ/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 155	NGC 6752 (3-118) 83	17.7	α 19,06,12.7 δ -60,13,47 R291,46,35.6	L	SWP 19433 1+2	B.0	.31 .08 10.8	L	O	04:08:28	398:00	3	0	3	GDE X 966 Y -1180 405A/Fo MN=	CALOI AT
	"	"	α , , δ , , R , ,		FES 1402 1+1										FIELD FOR 3-118 (STAR IN THE SWLA) MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 11 M MAR Y 83 RAW TAPE D 11 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	NP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 155	NGC 6752 (2128) 83	16.0	α 19 ,06 ,44.5 δ -59 ,57 ,19 R 291 ,09 ,03.1	L	SWP 19441 1+2	B.0	-1.09 .08 9.5	L	0	04:31:41	240:00	7	0	2	GOE | X 525 Y -392 323/50 SATURATED λ < 1400 MN=	CALOI AT
	"	"	α , , δ , , R , ,		FES 1403 1+1										FIELD FOR 2128 THE STAR IS IN SWLA MN=	
	"	"	α , , δ , , R , ,	L	LWR 15465 1+3	B.0	-1.96 .08 13.2	L	0	08:36:50	41:00	3	0	2	GOE | X 326 Y -253 341/50 MN= 838	
	"	"	α , , δ , , R , ,	L	SWP 19442 1+4	"	-1.53 .08 9.8	L	0	09:23:16	84:00	4	0	0	GOE | X 525 Y -392 332/50 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,													

OBSERVATORY LOG

DATE 12 MAR 83 RAW TAPE 12 MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	NP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 156	NGC 6715 83	6.3	α 18 ,51 ,54.0 δ -30 ,32 ,00 R 278 ,01 ,56.3	L	SWP 19447 1+2	422 154 F0	-2.04 0.88 8.8	L	0	03:53:53	300:00	4	0	2	GOE | X 756 Y -1157 172/F0 MN=	CALOI AT
	"	"	α , , δ , , R , ,		FES 1404 1+1										FIELD FOR NGC 6715 MN=	
	"	"	α , , δ , , R , ,	L	LWR 15473 1+3	425 170 F0	-2.06 .08 12.2	L	0	08:56:53	106:00	5	0	2	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 13 M Mar Y 83 RAW TAPE D 13 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	FESSL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.H.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 258	M5c 5236		α 13,34,12 δ -29,06,40 R 227 43,36	H	LWP 1831 1+3	120 16 F.0	-1.4 .08 4.8	L	O	04/07/10	396/0	3	0	6	MN=	Palumbo WW.
4	11		α 11,11,11 δ 11,11,11 R 11,11,11		FES 1405 1+1										MN=	11 11
	SAFETY READ		α 0,0,0 δ 0,0,0 R 0,0,0		LWR 1+2										MN=	11 4
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,													

OBSERVATORY LOG

DATE 14 Mar 83 RAW TAPE 14 MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	FESSL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.H.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC241	Twilight 50	C4 5.6	α 3,11,17 δ -57,30,30 R 60,35,49	H	LWP 1832 1+2	16915 245 F.0	-.4 .08 5.1	L	O	04/17/52	376/0	1	5	4	MN=	Querci W,W.
11	Null		α , , δ , , R , ,		LWR 15485 1+1										MN=	11 11
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 15 M Mar Y 83 RAW TAPE D 15 M Mar

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC 265	FW Hor 50	C4 5.6	α 3, 11, 17 δ -57, 30, 30 R 59, 32, 5	L	LWR 15492 1+1	15820 50 F.0	-1.69 .08 12.2	L	0	04/28/51	180/0	2	3	3	MN=	QUERCI WW
FC 265	UU Aur	C5 5.3	α 6, 33, 07 δ 38, 29, 18 R 83, 6, 32	L	LWR 15493 1+2	20483 972 F.0	-2.08 .08 13.2	L	0	07/07/53	100/0	2	3	3	MN=	" "
"	XX CAM 47	K0III 8.2	α 4, 4, 46 δ 53, 13, 54 R 110, 46, 48	L	LWR 15494 1+3	3402 2 F.0	-1.39 .08 13.8	L	0	09/32/33	35/0	8	0	2	MN=	" "
"	"	"	α , , δ 11, 4, 4 R , ,	L	LWR 15495 1+4	" " "	-1.73 .08 13.8	L	0	10/36/37	5/0	4	0	2	MN=	" "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 16 Mar 83 RAW TAPE 16 Mar

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 258	NGC 5236 80	11.6	α 13, 34, 12 δ -29, 36, 40 R 225, 43, 8.6	H	LWP 1833 1+3	478 39 S.O.	-.73 -.08 7.5	L	0	04/15/24	379/0	3	0	3	SDE -841 X -896 Y MN=	WAMSTEKER PALUMBO WW.
"	"	"	α , , δ " , " , " R , ,	L	SWP 19468 1+1	"	-1.16 .08 8.5	L	0	04/18/28	322/0	2	0	2	Serendipity MN=	" "
	NULL		α , , δ , , R , ,		LWR 15501 1+2										MN=	" "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 17 M Mar Y 83 RAW TAPE D 17 M Mar

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 132	NGC 4151 84	12.3	α 12, 08, 00 δ +39, 41, 00 R 350, 6, 15	L	SWP 19470 1+1	214 24 5.0	1.28 .25 88	L	0	03/49/58	30/0	2	5	0	GOE -17 A 1119 Y MN=	Bromage WW.
"	"	"	α , , δ " , " , " R , ,	L	LWR 15508 1+2	214 20 5.0	1.10 .08 12.8	L	0	04/25/58	30/0	3	4	3	PNT 220 5.0 @ 05/03 MN=	" "
"	"	"	α , , δ 4 , 7 , 4 R , ,	L	SWP 19471 1+3	~~22~~ 213 27 5.0	+1.25 .08 12.2	L	0	05/04/44	70/0	3	6	0	MN=	" "
"	"	"	α , , δ " , " , " R , ,	L	LWR 15509 1+4	213 16 5.0	.13 .08 14.5	L	0	06/19/17	20/0	3	4	2	PNT 204 5.0. @ 06/47 MN=	" "
EI 121	LSI +61.303 26 aug.		α 2, 36, 41 δ +61, 00, 54 R 133, 40, 54	L	SWP 19472 1+5	8/0	-1.00 .08 14.2	L	0	7/28/40	115/0	3	3	1	MN=	BIGNAMI "
"	"	"	α , , δ " , " , " R , ,	L	LWR 15510 1+6	8/0	-1.51 .08 15.9	L	0	09/27/22	48/0	5	0	3	MN=	" "
			α , , δ , , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 18 M Mar Y 83 RAW TAPE D 18 M Mar

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 083	A0538 -66 59	B	α 5, 35, 428 δ -66, 53, 40 R 87, 53, 05	L	SWP 19480 1+1	B/0	-.38 .25 9.8	L	0	03/57/56	130/0	5	0	1	GOE 852 332 87°57' MN=	Barlow WW
"	"	"	α , , δ 4 , 6 , " R , ,	L	LWR 15516 1+2	B/0	-1.20 .08 13.5	L	0	06/20/28	40/0	3	0	3	GOE -852 471 MN=	" "
FA 083	LMC N133 70	WR 16.0	α 05, 24, 49.2 δ -70, 07, 37 R 85, 02, 28	L	SWP 19481 1+2	B/0	-1.05 .08 9.5	L	0	07/29/48	168/0	5	5	1	212 -1080 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 19 M Mar Y 83 RAW TAPE D 13 M Mar

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/f.s	FOCUS BNG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 083	LMC N110 70	pl neb 15.0	α 5, 11, 49.8 δ −70, 05, 25 R 81, 7, 18	L	SWP 19486 1+1	B/0	−1.69 .08 8.8	L	O	04/11/34	160/0	2	5	1	90 −1241 X 1178 Y MN=	Barlow WW
	SMC N6 70	pl neb 15	α 0, 39, 25 δ −74, 3, 33 R 12, 32, 47	L	SWP 19487 1+2	B/0	−1.37 .08 9.2	L	O	07/38/21	160/0	1	3	1	90 933 X −1241 Y MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,													

OBSERVATORY LOG

DATE 20 MAR 83 RAW TAPE 20 MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/f.s	FOCUS BNG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI ϕ 39	HD 31964 40	FOI 3.6	α 4, 58, 22 δ 43, 45, ϕ5 R 100, 14, 4	H	LWR 15522 1+1	673 145 UF	−1.96 0.08 12.2	L S	O	03:45:00	60:00	7	7	4	MgII 1940N B = 43 MN=	MOROSSI A.C.
"	"	"	α , , δ , , − R , ,	L	SWP 19492 1+2	685 188 FW	−0.58 0.08 7.8	L	O	04 4815 052148	30:00 10:00	8 3	3 0	1	overexp λ>1693Å C = 154 λ K 1650 OI 1300; 1304, B = 12 C = 112 MN=	
"	"	"	α , , δ , , R , ,	L	LWR 15523 1+3	652 16 FW	−0.50 0.08 13.2	L S	O	054039 060811	5:00 1:00	8 6	0 0	1	overexp λ>2400 — 2 pinout MN=	
"	"	"	α , , δ , , R , ,	L	SWP 19493 1+4	686 150 FW	−1.12 0.08 8.2	L	O	061236	22:00	8	0	1	overexp λ>1693 MN=	
"	"	"	α , , δ , , R , ,	L	LWR 15524 1+5	679 147 OF	−1.17 0.08 13.2	L	O	064355	0:20	5	0	1	MN=	
FE132	NGC 4151 84	Seyf 12	α 12, 08, 00 δ 39, 41, 00 R 354 51, 51	L	SWP 19494 1+6	200 25 OS	−2.40 0.08 8.5	L	O	072923	30:00	2	5	1	Lyα 249) SiIV 50 CIV 208 CaJ 152 B = 18 C = 50 MN=	BROWAGE
"	"	"	α , , δ , , R , ,	L	LWR 15525 1+7	201 23 OS	−2.40 0.08 13.2	L	O	080246	30:00	3	5	3	C 104 B = 30 MgII 184 MN=	
			α , , δ , , R , ,	L	SWP 19495 1+8	205 14 OS	−0.74 0.08 8.5	L	D	083602	101:00	3	7	1	C IV(1300) = 96 B=26 HeII 188; OIII] 178 PNT: 156; LOCKRS: 20 SiII 132 MN=	16 pinout CIII 10 —— CaJ 15 —— Lyα

OBSERVATORY LOG

DATE D 21 M MAR Y 83 RAW TAPE D 21 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot univ/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 124	HD 106111 53	F6 6.7	α 12, 10, 4.2 δ -69, 52, 26 R 183, 10, 15	H	SWP 19502 1+1	8382 550 FO	-2.35 0.08 6.5	S	O	042221	300:00	0	0	1	NO SPECTRUM MN=	REIPURTH A. CASSATELLA
~	~	~	α , , δ , , ~ R , ,	L	SWP 19503 1+2	7629 24/850 FO	-3.67 0.08 7.2	L S	O	095318 095800	3:00 6:00	5 5	5 5	1	C=217 B=20 C=147 MN=	
~	~	~	α , , δ , , R , ,	L	LWR 15531 1+3	7615 33 FO	-3.24 0.08 10.8	L	O	100809	1:30	5	0	1	C=226 B=26 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , ,													

OBSERVATORY LOG

DATE D 22 M MAR Y 83 RAW TAPE D 22 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot univ/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EC 124	HD 106111 53	F6 6.8	α 12, 10, 4.2 δ -69, 52, 26 R 182, 13, 6	H	LWR 15538 1+1	7463 15 FO	-0.96 0.08 13.2	L	O	063617	150:00	5	0	3	C≈220 B≈55 MN=	REIPURTH AC
"	HD 68808 5	F7 III 6.3	α 8, 10, 25.6 δ -46, 29, 36 R 114, 15, 56	L	SWP 19510 1+2	11825 733/46 FO	-1.39 0.08 8.2	L	O	063649 070953	17:00 5:00	3	0	1	C=55 B=25 nothing below MN=	
"	"	"	α , , δ , , R , ,	L	LWR 15539 1+3	11868 30 FO	-1.11 0.08 14.2	L	O	071944	15:00	7	0	1	overexp $\lambda > 2480$ < 3200 MN= 555	
"	"	"	α , , δ , , R , ,	L	LWR 15540 1+4	12554 22 FO	-1.11 0.08 14.2	L	O	080427	7:00	6	0	1	overexp 2615 $\lambda \leq 3160$ MN=	
"	HD 25361 53	G5 Ib 8.1	α 4, 00, 49.3 δ +58, 31, 25 R 116, 28, 51	L	LWR 15541 1+5	2295 5 FO	-1.0 0.08 14.2	L	O	090710	66:00	6	0	4	B=34 6 p.t saturated ~ 2800 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 23 M MAR Y 83 RAW TAPE D 23 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC203	P2167 52	K0 e IV 11.3	α 5,33,14.6 δ -5,30,2 R 88,38,27.6	L	LWR 15549 1+1	45 - FO	-1.54 0.08 14.8	L	O	034545	60:00	3	O	2	G(-1249,-592) 5000 TACT EXTENDED C=112 B=34 MN=	BIANCHI GREWING AC
"	—	—	α , , δ , , R , ,	L	SWP 19517 1+2	114 50 FO	-2.16 0.08 9.8	L	O	044925	45:00	3	O	1	C=64 B=17 Extended MN=	
"	P 1746 52	K0:e 10.7	α 5,32,38.2 δ -5,27,15 R 88,38,27.6	L	LWR 15550 1+3	204 ~60 FO	-2.13 0.08 15.2	L	O	055317	40:00	4	5	2	GDE(259,961) C=162 B=32 E=231 MN=	
FA+193	G SL 1-82 13	O 12.4	α 5,26.46 δ -68,50,46 R 80,41,38	L	SWP 19518 1+4	179 20 50	-1.34 0.08 9.5	L	O	075343	30:00	6	O	1	few pix not at long and short λ MN=	GREWING, BIANCHI AC
—	"	"	α , , δ , , R , ,	L	LWR 15551 1+5	175 50 50	-1.74 0.08 14.8	L	O	083027	25:00	6	O	2	6 pix saturated B=30 MN=	
"	GSL 1-21 13	O 17.9	α 5,27,1.1 δ -68,51,56 R 80,41,38	L	SWP 19519 1+6	113 40 50	-1.31 0.08 9.8	L	O	090940	40:00	6	O	2	7 pix sat B=16 MN=	
"	"	"	α , , δ , , R , ,	L	LWR 15552 1+7	115 40 50	-1.70 0.08 14.8	L	O	095856	17:00	5	O	2	C=177 B=28 MN=	
			α , ,													

OBSERVATORY LOG

DATE 24 MAR 83 RAW TAPE 24 MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE132	NGC 4151 83	Sy f- 12.3	α 12,08,0.4 δ +39,41,02 R 0,22,55.3	L	SWP 19528 1+1	215 28 OS	-1.52 0.08 10.2	L	O	035625	30:00	3	5	1	max(CIV)=198 DN max(CIII])=143 DN max(Lyα)=234 DN C(180d)=58 B=20	CLAVEL AC
"	—	—	α , , δ , , R , ,	L	LWR 15566 1+2	50 6 OF	-0.80 0.08 14.8			042937	35:00	4	5	2	MgII 200DN B=31 C=139 MN= 861 (47)	
			α , , δ , , R , ,	L	SWP 19529 1+3	212 25 OS	-0.08 0.08 10.2	L	O	050827	60:00	3	6	1	CIV : 1 pix clat 255 CIII] : max=249 Lyα = saturated cont. 1800 Å : AV=60 B=23 MN=MAX=35	
			α , , δ , , R , ,	L	LWR 15567 1+4	213 16 OS	0.11 0.08 15.2	L	O	061429	40:00	4	5	2	C=128 B=33 MgII=145 MN=	
EI121	LSI+61 303 26	Be 10.8	α 2,36,40.6 δ 61,0,54 R 139,8,19.6	L	SWP 19530 1+5	156 Q OF	-0.84 0.08 11.2	L	O	072606	120:00	3	3	1	C=121 (1900 Å) B=31 SiIV 105 CIV=112 HeII=111 MN=	BIGNAMI
			α , , δ , , R , ,	L	LWR 15568 1+6	156 10 OF	-1.64 0.08 14.8	L	O	093139	44:00	5	O	2	C=230 B=30 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D M Y: 25 MAR 83 — RAW TAPE D M: 25 MAR

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 193	GSL 1-14 13	O 12.3	α 5, 27, 04 δ -68, 52, 40 R 78, 51, 45.8	L	LWR 15573 1 + 1	60	-1.16 0.08 14.2	L	O	044525	20:00	6	0	3	1 pix sat MN= —	GREWING AE
"	—	—	α , , δ , , R , ,	L	SWP 19537 1 + 2	60	-1.52 0.08 10.8	L	O	051249	25:46	5	5	1	Cont at 32, -66 TRACTS FAST. E = 233, B > 18 MN=	—
"	GSL 1-23 13	O 13.1	α 05, 27, 10 δ -68, 51, 59 R 78, 51, 45.8	L	LWR 15574 1 + 3 and 4	112 78 OS	-1.44 0.08 14.5	L	O	054935	30:00	5	0	3	GDE(-10, -154) 446 Faint C = 237 B = 30 MN=	
"	"	"	α , , δ , , R , ,	L	SWP 19538 1 + 5	114 / OS	-2.15 0.08 10.2	L	O	063650	30:00	6	0	1	7 pix sat at short λ MN=	
"	GSL 1-24 13	O 13.4	α 05, 27, 08 δ -68, 51, 41 R 78, 51, 45.8	L	LWR 15575 1 + 6	88 18 OS	-1.20 0.08 14.8	L	O	072540	30:00	5	0	3	GDE(8, -105) 386 Faint MN=	
			α , , δ , , R , ,	L	SWP 19539 1 + 7	/	-0.70 0.08 9.8	L	O	075820	15:00	4	0	1	GDE(207, -244) 400 C = 136 / add pt LAP B = 15 / (4 on and SAP) MN=	
FC 203	P 2001 52	Nebula 12.5	α 5, 32, 56 δ -5, 32, 40 R 87, 33, 27.3	L	LWR 15576 1 + 8	266 100 S.O.	-0.99 0.08 14.5	L	O	085450	79:00	5	0	4	GDE(-1305, 575) C = 276 B = 38 extended MN=	
			α , , δ													

OBSERVATORY LOG

DATE: 26 MAR 83 — RAW TAPE: 26 MAR

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI 270	AM CVN 63	B 14.2	α 12, 32, 28.7 δ +37, 54, 15 R 353, 39, 6.0	L	SWP 19565 1 + 1	30 2 1 0	-1.34 0.08 9.8	L	O	03:30:17	120:00	6	0	1	MN=	SOCHEIM / P.B.
"	"	"	α " , " , δ " , " , R " , " , "	L	LWR 15583 1 + 2	41 2 S.O.	-1.81 0.08 14.2	L	O	05:35:16	60:00	5	0	2	MN=	" / "
"			α , , δ , , R , ,	L	SWP 19546 1 + 3	37 3 S.O.	-2.01 0.08 9.8	L	O	06:38:20	60:00	5	0	1	MN=	" / "
"	HV LYR 63	B >15	α 19, 5, 45 δ +43, 56, 18 R 262, 48, 21	L	SWP 19547 1 + 4	B.O.	-1.37 0.08 9.5	L	O	08:46:53	90:00	3	0	1	MN=	" / "
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 27 M MAR Y 83 RAW TAPE D 27 M MAR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE132	NGC 4151 83	Seyf. 12.3	α 12, 8, 0.4 δ 39, 41, 02 R 4, 26, 6.1	L	LWR 15589 1+1	210 13 s.o.	-2.10 0.08 13.8	L	O	03:30:00	35:00	4	5	2	max = 199 at Mg II BKG = 30 at Mg II continuum = 90 at 2700Å MN= 861	CLAVEL P.B.
	"	"	α , , , δ , , , R , , ,	L	SWP 19555 1+2	50 2 f.o.	-1.37 0.08 8.8	L	O	04:08:21	30:00	3	5	1	CIV : 189 max DN Lyα : 228 max DN CIII] : 140 max DN CONTIN: 1900 : 49 BKG=28 MN=	"
			α , , δ , , R , ,	L	LWR 15590 1+3	199 24 s.o.	-1.80 0.08 14.5	L	O	04:41:53	35:00	4	5	2	max = 188 at Mg II BKG = 32 at Mg II continuum: 105 at 2700 MN=	"
			α , , δ , , R , ,	L	SWP 19556 1+4	200 16 s.o.	-1.58 0.08 9.2	L	O	05:20:11	60:00	3	6	2	CIV = 3 px saturated Lyα = 7 px " CIII] = 250 max DN MN=	"
EI121	LSI+61303 26	Be 10.8	α 2, 36, 40.6 δ 61, 0, 56 R 141, 34, 31.4	L	LWR 15591 1+5	163 2 f.o.	-1.46 0.08 14.2	L	O	06:56:43	45:00	5	0	3	MN=	BIKNAM P.B.
	"	"	α , , , δ , , , R , , ,	L	SWP 19557 1+6	166 6 f.o.	-1.71 0.08 9.2	L	O	07:46:46	153:00	4	0	2	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,													

OBSERVATORY LOG

DATE D 28 M MAR Y 83 RAW TAPE D 28 M MAR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
8 FI031	V 1016 Cyg 57	Symb 11.0	α 19, 55, 19.9 δ 39, 41, 39 R 256, 51, 10.9	L	SWP 19565 1+1	191 3 f.o.	-1.25 0.08 9.8	L S	O O	03:28:22 03:41:43	06:30 2:00	2 2	6 5	1 1	CIII], HeII, CIV a bit saturated MN=	NUSSBAUMER P.B.
	"	"	α , , , δ , , , R , , ,	L	LWR 15597 1+2	194 2 f.o.	-1.82 0.08 14.8	L	O	04:47:03	25:00	5	7	2	MN=	"
	"	"	α , , , δ , , , R , , ,	L	SWP 19566 1+3	193 1 f.o.	-.69 0.08 10.2	L	O	04:15:31	25:00	3	8	1	MN=	"
	"	"	α , , , δ , , , R , , ,	L	LWR 15598 1+4	199 2 f.o.	-2.57 0.08 15.2	L	O	04:47:27	05:00	3	6	2	MN=	"
	"	"	α , , , δ , , , R , , ,	H	SWP 19567 1+6	200 2 f.o.	-.17 0.08 10.5	L	O	05:14:36	150:00	2	6	1	CIII], HeII, CIV saturated MN=	"
	"	"	α , , , δ , , , R , , ,	H	LWR 15599 1+7	186 1 f.o	-2.54 0.08 14.8	L	O	04:40:11	25:00	1	5	2	MN=	"
	"	"	α , , , δ , , , R , , ,	H	SWP 19568 1+8	175 1 f.o.	0.08 11.5	L	O	08:37:13	100:00	2	6	1	As SWP 19567 MN=	"
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 29 M MAR Y 83 RAW TAPE D 29 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI054	HBV 475 57	12.0	α 20 , 49 , 02.6 δ 35 , 23 , 37 R 250 , 07 , 17.	L	SWP 19575 1+1	190 1 S/O	-1·3 0·08 12·2	L	O	03:24:53	25:00	2	5	1	CIE max DN 180 Hee " " 185 MN=	NUSSBAUMER HARRIS.
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWR 15608 1+2	199 5 S/O	-1·2 0·08 16·9	L	O	03:53:56	30:00	3	5	3	MN= 763	"
"	"	"	α " , " , " δ " , " , " R " , " , "	H	SWP 19576 1+5	193 8 S/O	-0·8 0·08 12·5	L	O	04:27:40	170:00	1	4	2	CIE max DN 94 Hee " " 153 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWR 15609 1+3	#181 8 S/O	-2·4 0·08 16·5	L	O	07:21:41	85:00	4	6	3	MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 19577 1+4	184 6 S/O	-2·8 0·08 12·8	L	O	08:50:27	87:00	2	6	1	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,													

OBSERVATORY LOG

DATE 30 MAR 83 RAW TAPE 30 MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 194	HD250550 34	B9e 9.7	α 05 , 59 , 06.4 δ 16 , 30 , 59 R 89 , 02 , 52.1	L	SWP 19586 1+1	543 6 FO	-1.31 .08 11.2	L S	O O	02:51:23 03:06:08	10:00 15:00	4 3	0	0	MN=	TALAVERA AT
"	"	"	α , , δ , , R , ,	H	LWR 15617 1+2	551 2 FO	-1.31 .08 15.9	L	O	03:27:33	405:00	4	6	9	MN= 690	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 31 M MAR Y 83 RAW TAPE D 31 M MAR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undev/f.s	FOCUS BKG THOA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FW. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	BD+33 2642	B2 IV	α 15 , 50 , 01.9		LWR	172	-1.3	L		04:25:51	03:10	4	0			AWH.
	20	10.8	δ +33 , 05 , 28	L	15625	L2	0.08		0					3		
			R 298 , 47 , 30		1+1	S10 F/0,	16.9	S		04:41:19	09:30	5	0		MN= 875	
"	"	"	α " , " , "		SWP	172	-0.61	L		05:06:37	04:00	4	0			"
"	"	"	δ " , " , "	L	19593	L0			0					0		
			R " , " , "		1+2	S5	0.08									
						F/0	11.8	S		05:15:23	12:00	5	0		MN=	
"	HD 93521	O9 IV	α 10 , 45 , 33.6		LWR	5664	-0.79	L		06:42:19	0:03	4	0			"
	12	6.9	δ +37 , 50 , 04.5	L	15626	L6			0					2		
			R 37 , 33 , 58		1+3	S500 F/0	0.08 16.5	S		06:45:37	0:09	4	0		MN= 795	
"	"	"	α " , " , "		SWP	5519	-0.79	L		06:48:49	0:03	4	0			"
	"	"	δ " , " , "	L	19594	L10			0					0		
			R " , " , "		1+4	5250 F/0	0.08 11.8	S		06:51:47	0:09	5	0		MN=	
	"	"	α " , " , "		LWR	5658	-1.1								TRAILED	"
	"	"	δ " , " , "	L	15627	11	0.08	L	0	08:02:20	0:12	4	0	2	R=1.667	
			R " , " , "		1+5	F/0	16.2								I=1 MN=	
	"	"	α " , " , "		SWP	5436	-1.1								TRAILED	"
	"	"	δ " , " , "	L	19595	38	0.08	L	0	08:09:33	0:12	4	0	0	R=1.667	
			R " , " , "		1+6	F/0	11.5								I=1 MN=	
	JHMa	B3 V	α 13 , 45 , 34		LWR	4584	-1.8									"
	21	1.8	δ +49 , 33 , 44	H	15628	709	0.08	L	0	09:34:57	0:06	5	0	2		
			R 338 , 34 , 59		1+7	F/4.	15.9								MN=	
	"	"	α " , " , "		SWP	4615	-1.8									"
	"	"	δ " , " , "	H	19596	1018	0.08	L	0	09:38:55	0:06	5	0	1		
			R " , " , "		1+8										MN=	

OBSERVATORY LOG

DATE: D 31 M MAR Y 83 RAW TAPE D 31 M MAR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undev/f.s	FOCUS BKG THOA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FW. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC 110	HD 48329	G8	α 06 , 40 , 52.0	L	SWP	1333	-.96	L	0	02:22:41	120:00	3	6	1	60E X 1446 Y -225 100/FO	6ROOTE
	44	3	δ 25 , 11 , 00		19600	198	.08									AT
			R 85 , 59 , 25.8		1+1	FU	9.8								MN=	
	HD 34842	B9	α 05 , 18 , 33.3	L	LWR	2302	-1.34	L	0	04:45:18	20:00	5	0	2	60E X 1250 Y -1007 712/FO	
	22	9.3	δ 32 , 27 , 51		15634	11	.08									
			R 97 , 24 , 22.9		1+2	FO	14.5								MN= 847	
	HD 32068	K5 II	α 04 , 58 , 58.0	H	SWP	762	-.82	L	0	05:25:15	30:00	7	0	1	60E X 633 Y -1417 14/FO	
	47	3.8	δ 41 , 00 , 30		19601	169	.08								OVEREXP x4	
			R 103 , 42 , 23.3		1+3	FU	10.5								MN=	
	"	"	α " , " , "	H	LWR	763	-1.56	L	0	05:58:24	30:00	8	0	3	60E X 429 Y -124 163/FO	
			δ " , " , "		15635	168	.08								OVEREXP x6	
			R " , " , "		1+4	FU	15.2								MN=	
	HD 81817	K3	α 09 , 24 , 58.0	L	SWP	438	-1.47	L	0	06:58:15	169:00	2	3	1	60E X 766 Y -1433 246/FO	
	46	4.3	δ 81 , 32 , 30		19602	89	.08									
			R 47 , 01 , 56.5		1+5	FU	10.5								MN=	
			α " , " , "													
			δ " , " , "													
			R " , " , "		1+										MN=	
			α " , " , "													
			δ " , " , "													
			R " , " , "		1+										MN=	
			α " , " , "													
			δ " , " , "													
			R " , " , "		1+										MN=	

OBSERVATORY LOG

DATE D 2 M APR Y 83 RAW TAPE D 2 M APR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 244	NGC 5846 81	11	α 15,03,16.4 δ 01,47,48 R 280,08,23.8	L	SWP 19607 1+2	110 50	-1.87 .08 9.5	L	O	03:16:03	381:00	2	0	3	GOE X -673 Y -1092 172/FO MN=	CAPACCIOLI AT
	4		α , , δ , , R , ,		FES 1407 1+1										FIELD FOR NGC 5846 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 3 M APR Y 83 RAW TAPE D 3 M APR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC 110	HD 192577 46	K1p 3.73	α 20,12,03.3 δ 46,35,20 R 257,15,03.2	H	SWP 19622 1+1	737 110 FU	-1.74 .08 9.2	L	O	02:38:29	12:00	6	0	1	GOE X 1273 Y 337 30¢/FU MN=	GROOTE AT
	4	4	α , , δ , 4 , R , ,	H	LWR 15645 1+2	722 103 FU	-1.31 .08 13.2	L	O	02:55:56	12:00	6	0	2	GOE X 1074 Y 513 275/FU MN= 803	
	HD 192713 44	G3 5.1	α 20,13,21.0 δ 23,21,00 R 265,41,01.4	H	SWP 19623 1+3	19481 83 FO	-.78 .08 9.2	L	O	03:37:02	150:00	5	0	2	GOE X 264 Y -1112 57¢/FO MN=	
	HD 163770 47	K1 II 3.84	α 17,54,32 δ 37,15,30 R 281,46,26.8	L	SWP 19624 1+	622 84 FU	-1.09 .08 10.2	L	O	07:01:42	163:00	3	5	1	GOE X -911 Y -916 153/FO MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 4 M APR Y 83 RAW TAPE D 4 M APR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 235	400-643 88	14.5	α 20 , 34 , 30.9 δ -35 , 39 , 39 R , ,	L	SWP 19635 1+1	BO	-1.56 .08 11.0	L	O	03:06:34	396:00	4	0	3	GDE X 23 Y 1704 BO/FO MN=	BERGVALL AT
	SAO 212314 OFFSET STAR		α 20 , 35 , 56.4 δ -35 , 35 , 43 R , ,	—	—— 1+		——	—	—	——	——	—	—	—	OFFSET STAR OUT OF FIELD MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , ,													

OBSERVATORY LOG

DATE D 5 M APR Y 83 RAW TAPE D 5 M APR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/T.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 235	435-1620 88	14.2	α 09 , 57 , 5.3 δ -27 , 53 , 36 R 108 , 48 , 45.0	L	SWP 19640 1+1	BO	-.89 .08 10.8	L	O	03:01:56	405:00	4	0	3	GDE X 1207 Y -1150 194/FO MN=	BERGVALL AT
	SAO 178285 OFFSET STAR	7.4	α 09 , 57 , 31.1 δ -28 , 05 , 46 R , ,		—— 1+	——	—			——	——				OFFSET STAR OUT OF FIELD MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 6 M APR Y 83 RAW TAPE D 6 M APR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. plot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 152	HD 138749 26	B6 Ve 4.2	α 15 ,30 ,54.7 δ 31 ,31 ,36 R 308, 32 ,48.9	H	SWP 19653 1+1	579 80 FU	-1.47 .08 11.8	L	O	02:34:34	01:45	5	0	0	MN=	DOAZAN AT
	〃	〃	α , , δ , — , R , ,	H	LWR 15662 1+2	572 88 FU	-1.12 .08 15.2	L	O	02:40:58	01:15	5	0	2	MN=	
	HD 162732 26	B7Ve 6.4	α 17 ,48 ,44.7 δ 48 ,14 ,25 R 286, 43 , 0.5	H	SWP 19654 1+3	6755 18 PO	-.79 .08 11.8	L	O	03:24:18	25:00	5	0	0	MN=	
	HD 200120 26	B1.5Ve 4.7	α 20 ,58 ,07.4 δ 47 ,19 ,30 R 250, 47 ,22.9	H	SWP 19655 1+4	25382 102 FO	-1.65 .08 11.5	L	O	04:33:25	01:30	5	0	1	MN=	
	〃	〃	α , , δ , 〃 , R , ,	H	LWR 15663 1+6	25581 81 FO	-1.24 .08 15.2	L	O	04:37:46	01:30	6	0	2	MN=	
	HD 5394 26	B0 Ve 2.3	α 00 ,53 ,40.3 δ 60 ,26 ,47 R 180 ,53 ,37.6	H	SWP 19656 1+5	3593 445 FU	-1.24 .08 11.5	L	O	05:11:10	00:08	5	0	1	MN=	
FI φ76	NOVA HUS 55	Nova 10.2	α 11 .49 .35 δ -66 .55 ,43 R 160 ,59 ,4.4	L	SWP 19657 1+6	341 4 OF	-2.52 0.08 11.2	L	O	06 5742	30:00	4	8	1	GDE(-1007,-343) 116 FWHM NBE 2nd SAP MN=	CASSATELLA AC
			α , , δ , — , R , ,	L	LWR 15664	355 6	-098 0.08	L	O	073828	15:00	5	8	2		

DATE D 6 M APR Y 83 RAW TAPE D 6 M APR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. plot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI φ76	NOVA HUS 83 55	Nova 10.2	α 11 ,49 , 35 δ -66, 55, 43 R 160, 59, 4.4	H	SWP 19658 1+8	361 1 OF	4.22 0.08 11.2	L	O	08:47:27	12:00	0	3	1	MN=	
FA φ74	40193237 23	B1Ia 4.9	α 20 ,15 ,56.5 δ 37, 52, 36 R 262, 36 , 36	L	SWP 19659 1+9	25008 — OF	-1.53 0.08 11.2			093757	0:18	5	0	1	C = 170 (max 185) B = 16 MN=	
〃	〃	〃	α , , δ --, — , — R , ,	L	LWR 15665 1+10	24748 275 OF	-1.53 0.08 15.5	L	O	094057	0:04	7	0	1	C = 308 (SAP) MN=	
			α , , δ , , R , ,		1+					094314	0:20	5	0		MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 7 M apr Y 81 — RAW TAPE: D 7 M Apr

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EM 063	LIPM		α 16, 48, 03 δ −16, 27, 45 R 266, 48, 33		FES 1410 1 + 1										MN=	FAHR/LAY W. W
〃	L Inter Plan M. 07	99.99	α 16, 47, 44.7 δ −16, 29, 50 R 266, 46, 06	H	SWP 19668 1 +	B/0	−1.65 .08 11.8	S	C	03/19/24	440/0 + TOTAL = 855	1	1	9	LAP open @05h28 close 0628 MN=	FAHR/LAY WW.
			α , , δ , , R , ,	H/0	1 +	Exposing									MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: 8 Apr 81 — RAW TAPE: 8 Apr

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE022	SN EVANS 1983 56	12.7	α 12, 49, 47.4 δ −0, 55, 54 R 30, 36, 19	L	LWR 15677 1 + 2	141 23 S.0	1.53 0.08 15.2	L	O	4/24/56	50/0	3	0	2	MN=	WAMSTEKER WW.
〃	〃	〃	α 〃 , 〃 δ 〃 , 〃 , 〃 R , ,		FES 1411 1 + 1					4/25/0					05h.45 PNT = 148 S.0 MN=	〃 〃
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	L	SWP 19674 1 + 3	144 39 S.0	4.32 .08 10.8	L	O	05/51/23	6/0	1	1	0	out of aper for some time. MN=	〃 〃
FA218	BD +40° ~~4219~~ 4221 12	~~10.6~~ 10.5	α ~~20, 30, 26~~ δ ~~41, 16, 57~~ R 260, 41, 45	L	LWR 15678 1 + 4	242 3 F.0	4.08 .08 14.5	L	O	07/28/17	36/00	5	0	2	Target was misidentified. MN=	GIOVANNELLI
〃	〃	〃	α 20, 30, 41.2 δ 41, 14, 14 R , ,	L	SWP 19675 1 + 5	234 1 F.0	2.30 .08 11.5	L	O	08/09/06	98/0	4	0	0	〃 MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 9 M Apr Y 83 RAW TAPE D 9 M Apr

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 218	BD+ 40°4227 13	9.1 06Ib	α 20, 31, 27 δ 41, 8, 31 R 261, 19, 54	L	LWR 15686 1+1	941 1 F.0	-.55 .08 13.5	L	0	2/27/54	42/0	5	0	3	MN=	Giovanelli WW
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	L	SWP 19684 1+2	925 7 F.0	-1.18 .08 8.2	L	0	3/13/52	175/0	3	3	1	MN=	〃 〃
FE022	SN N4757 EVANS 56		α 12, 49, 47.4 δ 00, 55, 54 R , ,		LWR 15687 1+3	136 ? S.0	-2.36 .08 12.8			08/05/23	90/0	2	0	2	may have been 70mm out of apert MN=	WAMSTEKER WW
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,													

OBSERVATORY LOG

DATE D 10 M Apr Y 83 RAW TAPE D 10 M Apr

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA013	CoD -39°8583 22	B9V 10.08	α 13, 54, 55 δ -39, 49, 44 R 199, 55, 20	L	LWR 15695 1+1	312 3 F.0	-1.87 .08 14.2	L	0	02/51/06	15/0	6	0	2	NGC 5367 STAR 2 MN=	REIPURTH WW
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	L	SWP 19692 1+2	299 4 F.0	-1.87 .08 9.2	L	0	03/12/59	30/0	5	0	0	MN=	〃 〃
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	L	LWR 15696 1+3	304 2 F.0.	-.79 .08 14.2	L	0	03/47/31	35/0	8	0	2	MN=	〃 〃
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	L	SWP 19693 1+4	307 1 F.0	-.93 .08 9.5	L	0	04/26/54	15/00	5	0	0	MN=	〃 〃
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	L	LWR 15697 1+5	305 5 F.0	-.70 .08 14.5	L	0	04/57/30	7/30	5	0	2	MN=	〃 〃
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	L	SWP 19694 1+6	305 3 F.0	-.77 .08 10.8	L	0	05/24/19	35/0	7	0	0	MN=	〃 〃
〃	CoD -39°8581 22	B4+B7 10.0	α 13.54.42.2 δ -39.44.08 R 223.38.32.3	L	LWR 15698 1+7	362 7 F.0	-.56 .08 14.8	L	0	06/34/02	15/0	5	0	3	NGC 5367 STAR 1 (N+S) MN=	〃 〃
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	L	SWP 19695 1+8	389 4 F.0	-1.00 .08 11.8	L	0	7/01/34	24/0	6	0	0	MN=	〃 〃

OBSERVATORY LOG

DATE D 10 M Apr Y 83 RAW TAPE D 10 M Apr

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS DRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 013	Co D -39° 8581 22	B4+B7 10.0	α 13, 54, 42 δ -39, 44, 08 R 223, 38, 22	L	LWR 15699 1+9	388 5 F.0	-0.74 .08 15.2	L	O	07/32/37	30/0	7	0	3	MN=	Reipurth W.W.
"	"	"	α , , δ , , R , ,	L	SWP 19696 1+10	393 8 F.0	-.82 .08 12.8	L	O	08/08/30	50/0	7	0	0	MN=	" "
"	"	"	α , , δ , , R , ,	L	LWR 15700 1+11	415 7 F.0	-1.26 .08 15.5	L	O	09/02/30	29/0	7	0	3	MN=	" "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 11 M APR Y 83 RAW TAPE D 11 M APR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS DRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC #15	HD 36705 46	K1 6.8	α 5, 28, 35.8 δ -65, 29, 19 R 62, 39, 0.8	H	LWR 15705 1+1	5223 96 f.o.	-1.13 0.08 13.5	L	O	02:25:35	35:00	2	3	2	MN=	[redacted] RUDNICKI / P.B.
"	"	"	α , , δ , , R , ,	L	SWP 19706 1+2	5279 68 f.o.	-1.64 0.08 9.2	L	O	03:04:09	75:00	2	3	1	MN=	" "
"	"	"	α , , δ , , R , ,	H	LWR 15706 1+3	5278 25 f.o	-2.01 0.08 14.2	L	O	04:22:29	35:00	2	3	2	MN=	" "
"	"	"	α , , δ , , R , ,	L	SWP 19707 1+4	5416 12 f.o.	-1.92 0.08 9.5	L	O	05:00:45	75:00	2	3	1	MN=	" "
"	"	"	α , , δ , , R , ,	H	LWR 15707 1+5	5394 14 f.o	-1.61 0.08 14.2	L	O	06:17:00	35:00	2	3	2	MN=	" "
"	"	"	α , , δ , , R , ,	L	SWP 19708 1+6	5390 24 f.o.	-1.71 0.08 9.8	L	O	07:07:03	80:00	2	3	1	MN=	" "
			α , , δ , , R , ,	H	LWR 15708 1+7	5282 21 f.o.	-2.00 0.08 14.5	L	O	08:30:52	70:00	2	3	2	MN=	" "
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 12 M APR Y 83 RAW TAPE D M

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL NGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. alot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
			α δ R		1 +										MN=	P.B.
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	

OBSERVATORY LOG

DATE D 13 M APR Y 83 RAW TAPE D 13 M APR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL NGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. alot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC068	HD 36705 46	6.4 6.8	α 5, 28, 35.8 δ -65, 29, 19 R , ,	H	SUP 19713 1 +	5334 f.0.	-1.1 0.08 7.8	L	0	01:38:42	665.00				IMAGE STARTED AND READ AT GSFC MN=	RUCINSKI P.B.
			α , , δ , , R , ,		FES 1414 1 +										Reference for above image MN=	4 / 4
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 14 M APR Y 83 RAM TAPE D 14 M APR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAM T. FILE	FES CTS ref. p. plot undov/f.s	FOCUS BRT THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE022	SN EVANS 1983 56	SN 13	α 12 , 49 , 47.2 δ −0 , 55 , 54 R 47 , 42 , 39	L	LWR 15732 1+1	130 80 5/0	+0.4 0.08 14.8	L	0	04:15:54	300:00	3	1	7	BLIND OFFSET GDE X=−951 Y=234 FESANT AT R.P.=109 CTS=133 MN= 5/0	AWH/AWH
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , ,												MN=	

OBSERVATORY LOG

DATE D 15 M APR Y 83 RAM TAPE D 15 M APR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAM T. FILE	FES CTS ref. p. plot undov/f.s	FOCUS BRT THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI095	A0538-66 59	B2 ~14	α 5 , 35 , 42.8 δ −66 , 53 , 40.4 R 60 , 16 , 43	L	LWR 15737 1+1	B.O.	−1.5 0.08 13.2	L	0	02:46:43	70:00	3	1	4	Double spectrum – 2nd object in sp.? BLIND OFFSET GDE: X=−961, Y=70 ds=138 F/0 MN=	HOWARTH/AWH.
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 19730 1+2	B.O.	−1.1 0.08 7.8	L	0	04:01:14	120:00	3	1	1	Double spect. – as above BLIND OFF. GDE: X=−762, Y=−68 140 F/0 MN=	"
"	SMC L302 70	P.N. 14	α 0 , 54 , 35.1 δ −72 , 23 , 10 R 351 , 12 , 2.6	L	LWR 15738 1+3	B.O.	−1.7 0.08 14.5	L	0	06:35:20	180:00	2	1	5	BLIND OFF. GDE: X=1148, Y=−436 208 F/0 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE (D M Y): 16 APR 83 — RAW TAPE (D M): 16 APR

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. alot undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	F.M. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC138	RU LUPI (HD142560) 58	T.Tau. var.	α 15, 53, 24.3 δ −37, 40, 40 R 237, 42, 52.7	H	SWP 19736 1 +	105 (guessed at H/O) 9/0	0.08 8.5	L	O	01:46:49 for 445m [restarted 09:19:47 for 445m]					H/O exposing at both ends of shift. MN=	JOHNSTONE / HARRIS.
			α , , δ , , Eschroome started and read at GSFC R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,												MN=	

OBSERVATORY LOG

DATE (D M Y): 17 APR 83 — RAW TAPE (D M): 17 APR

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. alot undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	F.M. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC 138	HD142560 58	T Tau 11	α 15, 53, 24.3 δ −37, 40, 40 R 237, 3, 21.7	L	SWP 19739 1 + 1	161 (given at H/O) FO	−2.0 0.72 7.8	L	O	004224	120:00	4	5	2	STARTED AT GSFC L:II 220; C IV 158 SiV 130; B=28 Lα fm target C=142 (~1900Å) MN=	JOHNSTONE A. C.
〃	〃	〃	α , , δ , , R , ,	H	LWR 15755 1 + 2	209 5 FO	−2.3 0.08 12.8	L	O	024651	416:00	3	6	9	Mg II overexp ~×3 C(2500)~170 B≈100 MN=	〃
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

DATE D 18 M APR Y 83 RAW TAPE D 18 M APR

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. alot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE113	NGC4889 81	Ell Gal 13.5	α 12, 57, 43.6 δ 28, 14, 46 R 16, 29, 04	L	SWP 19748 1+1	55 10 50	-2.5 0.08 10.2	L	O	032000	387:00	2	0	3	F DE(605,543) 19(50) MN=	BERTOLA AC
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

DATE D 19 M APR Y 83 RAW TAPE D 19 M APR

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. alot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA154	HD149121 22	B8 5.52	α 16, 30, 7.9 δ 5, 37, 34 R291, 36, 39	H	SWP 19756 1+1	16262 30 FO	-1.23 0.08 8.5	L	O	024308	15:00	5	0	1	C(1900)~122 C(1300)~120 B = 35 MN=	JACOBS AC
"	"	"	α , , δ -, -, - R , ,	H	LWR 15770 1+2	15744 39 FO	-1.67 0.08 13.2	L	O	030520	19:00	7	0	3	MN=	
"	"	"	α , , δ , , - R , ,	H	SWP 19757 1+3	15734 30 FO	-2.19 0.08 8.5	L	O	033729	30:00	7	0	1	MN=	
"	"	"	α , , δ -, -, - R , ,	H	LWR 15771 1+4	15697 40 FO	-1.92 0.08 13.5	L	O	041112	9:00	5	0	3	C ~220 B ~36 MN=	
"	HD196426	B8 V 6.14	α 20, 34, 44.6 δ -0, 04, 41 R281, 4, 37	H	SWP 19758 1+5	10111 20 FO	-2.42 0.08 8.5	F	O	050049	28:00	7	0	1	C ~250 B ~45 800 at short λ (≤1600 Å) MN=	
"	"		α , , δ , , R , ,	H	LWR 15772 1+6	10311 20 FO	-1.96 0.08 13.2	F	O	053358	18:00	7	0	3	MN=	
"	"		α , , δ , , R , ,	H	SWP 19759 1+7	10519 20 FO	-1.45 0.08 8.5	F	O	060118	13:00	5	0	1	C(1900Å) ~200 B ~35 MN=	
"	"		α , , δ , , R , ,	H	LWR 15773 1+8	10404 20 FO	-1.80 0.08 13.5	F	O	063818	11:00	5	0	2	C ~230 (2800Å) B ~38 MN=	

OBSERVATORY LOG

DATE D M Y: 19 APR 83 RAW TAPE D M: 19 APR

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA154	HD11753 22	B8V 5.11	α 01, 52, 17.4 δ -42, 44, 31 R 2, 16, 42	H	SWP 19760 1 + 9	23010 50 OF	-1.64 0.08 8.2	L	O	064856	24:00	7	0	1	no guide C~230 (λ≤1600) B ~ 45 MN=	JACOBS A-C
"	— —	"	α , , δ , , R , ,	H	LWR 15774 1 + 10	22849 50 OF	-1.55 0.08 13.5	L	O	082633	11:00	6	0	2	C ~ 150 (~3000Å) NO 4min-HTR MN= 559	"
"	—	"	α , , δ —, — , — R , ,	H	SWP 19761 1 + 11	22821 60 OF	-1.27 0.08 8.5	L	O	085757	9:00	5	0	1	C = 208 B = 33 MN=	"
"	— —	—	α , , δ —, —, — R , ,	H	LWR 15775 1 + 12	22876 55 OF	-2.61 0.08 13.5	L	O	092850	6:00	5	0	2	C = 220 B = 35 MN= 871 put image	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , ,												MN=	

OBSERVATORY LOG

DATE D M Y: 20 APR 83 RAW TAPE D M: 20 APR

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC 210	NULL 99	—	α 00, 00, 00 δ 00, 00, 00 R , ,		LWP 1844 1 + 1										SAFETY READ MN=	LISEAU AC
"	HD142560 58 (RU LUPI)	TTau 11	α 15, 53, 243 δ -37, 40, 35 R 234, 54, 39	L	LWP 1846 1 + 4	119 4 OF	-1.87 0.08 9.8	L	O	032027	375:00	3	6	5	C = 102 B = 65 Mg II few pix sat MN= —	
"	NULL 99	—	α —, —, — δ —, —, — R , ,		LWR 15781 1 + 2										NULL READ MN=	
"	NULL 99		α , , δ —, —, — R , ,		LWP 1845 1 + 3										READ HTR LO (NULL because of Σ crash) MN=	FULL SCAN 1023/1023 1020/1020
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 21 M APR Y 83 RAW TAPE D 21 M APR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FAIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC068	HD37909 30	A3V 8.1	α 5 ,31 ,45.2 δ −81 ,37 ,25 R 53 ,59 ,10.2	L	SWP 19777 1+1	1831/3 1787/104 F/O	−1.0 −1.5 0.08 9.5	L S	O	02:40:08 03:23:28	40:00 20:00	7 5	3 1	1	FES ch. after exposure 1: 1731 F/O weak CIV em. in LAP. MN=	RUCINSKI / AWH.
"	HD 36705 46	K1V 6.8	α 5 ,28 ,35.8 δ −65, 29 ,19 R 52 ,46 ,10.0	H	LWR 15785 1+2	5231 19 F/O	−1.1 0.08 13.8	L	O	04:00:30	40:00	3	3	2	MgII em. 82 DN above bg. MN= 889	"
"	"	"	α " , − , − δ − , − , − R " , − , −	L	SWP 19778 1+3	5224 19 F/O	−1.6 0.08 9.5	L	O	04:43:56	80:00	3	4	1	MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	H	LWR 15786 1+4	5097 14 F/O	−1.6 0.08 14.2	L	O	06:06:51	40:00	3	3	2	FES ch. at end of exp: 4990 F/O. MN=	"
"	HD 9528 44	G1V 7.6	α 01 ,30 ,24.0 δ −49 ,47 ,01 R 353 ,56 ,8.9	L	SWP 19779 1+5	1714 5 F/O	−1.9 0.08 9.8	L	O	07:16:35	150:00	3	3	1	FES ch. at end of exp: 2788 F/O. MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

DATE D 22 M APR Y 83 RAW TAPE D 22 M APR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FAIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM098	HD162365 20	B2 IV 8	α 17 ,47 ,52 δ 15 ,30 ,31 R 291 ,56 ,51.5	H	SWP 19786 1+1	2267 2 Fo	−.9 .08 10.8	L	O	02:46:01	55:00	6	0	1	GDE (1176, −1004 655 Fo) MN=	INNES-PHILLIPS ee
"	"	"	α " , " , " δ " , " , " R " , " , "	H	LWR 15794 1+2	2219 4 Fo	−1.1 .08 14.8	L	O	03:44:01	35:00	6	0	3	GDE (971, −863 639 Fo) MN=	"
"	BD S 3235 21	B5.5 IV 9.5	α 16 ,34 ,17 δ 5 ,23 ,22 R 293 ,44 ,48.4	H	SWP 19787 1+3	806 3 Fo	−2.1 .08 10.8	L	O	04:38:18	112:00	5	0	1	GDE (1133, −812 147 Fo) MN=	"
"	HD145774 20	B1 V 7.6	α 16 , 10 , 10 δ −1 ,35 ,42 R 288 ,40 ,10.5	H	LWR 15795 1+4	3589 5 Fo	−1.7 .08 14.5	L	O	06:46:35	15:00	5	0	2	GDE (−1518, 491 313 Fo) MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	H	SWP 19788 1+5	3547 7 Fo	−1.4 .08 10.5	L	O	07:13:25	13:00	4	0	2	MN=	"
"	HD137569 24	B5 III 8.1	α 15 ,24 ,1.0 δ 14 ,52 ,04 R 319 ,41 ,14.8	H	SWP 19789 1+6	2379 5 Fo	−1.3 .08 10.2	L	O	08:21:40	85:00	5	0	1	GDE (118, 206 151 Fo) MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

DATE D 23 M APR Y 83 RAW TAPE D 23 M APR

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot unkw/f.s	FOCUS IRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM098	HD128220	Sd O 8.7	α 14,32,56.6 δ 19,25,58 R344,28,32.0	H	SWP 19795 1+1	1383 5 F/O	-2.6 0.08 8.8	L	O	02:36:33	40:00	5	0	1	Guide 1130, -279 660 cts s/o MN=	INNES / CC + DG
"	HD97895 24	B5 III 8.8	α 11,12,55 δ -29,14,36 R104,59,09.1	H	SWP 19796 1+2	1113 5 F/O.	-2.01 .08 9.2	L	O	04:18:08	110:00	5	0	1	Guide -10 -815 348 cts F/O MN=	" "
"	HD120958	B3V 7.6	α 13,50,29.0 δ -38,48,40 R175,02,05.3	H	SWP 19797 1+3	3098 7 F/O.	-1.18 0.08 9.2	L	O	06:55:22	28:00	5	0	0	Guide 379, -235 442 cts. MN=	"
"	"	"	α , , δ , , R , ,	H	LWR 15801 1+4	3085 73 F/O	-1.26 0.08 12.8	L	O	07:26:18	18:00	4	0	2	MN=	"
"	HD121983	B3III 8.1	α 13.56.47.0 δ -33.17.49 R177.54.25.9	H	SWP 19798 1+5	2135 11 F/O	-1.08 0.08 9.2	L	O	08:08:03	95:00	7	0	1	Guide 1185, 96 ct 268 s/o MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

DATE D 24 M APR Y 83 RAW TAPE D 24 M APR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot unkw/f.s	FOCUS IRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI240	3A0729+103 5.9	14.5	α 7 28,44.4 δ +10,02,46 R79,00,19.2	L	SWP 19802 1+1	B.O.	-1.3 0.08 9.5	L	O	02:41:13	76:0	3	3	1	Guide x = -296 y = 752 cts = 154 MN= F/O	BONNET-BIDAUD / CC + DG
	"	"	α , , δ , , R , ,	L	LWR 15805 1+2	B.O	-1.2 0.08 11.5	L	O	04:03:03	76:00	3	3	3	Guide x = -495 y = 891 cts = 155 MN=	"
	"	"	α , , δ , , R , ,	L	SWP 19803 1+3	B.O	-1.0 0.08 9.5	L	O	05:23:02	76:0	3	3	1	Guide x = -298 y = 751 cts = 167 MN=	"
			α , , δ , , R , ,	L	LWR 15806 1+4	B.O	-1.3 0.08 14.5	L	O	06:43:25	76:0	3	3	3	Guide x = -494 y = 889 cts = 145 MN=	"
			α , , δ , , R , ,	L	SWP 19804 1+5	B.O	-0.8 0.08 9.8	L	O	08:04:09	76:0	3	3	1	Guide x = -296 y = 752 cts = 151 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 25 M APR Y 83 — RAW TAPE: D 25 M APR

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CENTR.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE022	SN EVANS 1983 56	SN	α 12, 49, 47.2 δ −0, 55, 54 R 57, 12, 9.4	L	LWR 15810 1 + 1	B.O.	−1.7 0.08 14.8	L	O	04:09:0[illegible]	300:00 334	3	0	7	guide −906, 375 cts. 118 s/o MN= 840	Wamsteker WW, CC, DG
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: 26 APR 83 — RAW TAPE: 26 A[illegible]

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CENTR.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI240	H1405-45 59	X ray 15.5	α 14, 05, 58.2 δ −45, 03, 06 R 177, 59, 23.9	L	SWP 19818 1 + 1	BO	−1.2 0.08 9.8	L	O	02:50:56	101:00	3	3	1	Guide x = 692 y = −225 cts = 329 MN=	BONNET-BID[illegible]
"	"	"	α , , δ " , " , " R , ,	L	LWR 15818 1 + 2	BO	−1.0 0.08 13.2	L	O	04:35:56	51:00	3	3	2	Guide x = 493 y = −86 ct = 293 MN=	CC + D[illegible]
	"	"	α , , δ " , " , " R , ,	L	SWP 19819 1 + 3	BO	−0.9 0.08 9.2	L	O	05:3[illegible]	101:00	3	3	1	guide x = 690 y = −226 cts = 321 MN=	"
"	4U 1849-31		α 18, 51, 50.0 δ −31, 13, 39 R 271, 31, 10.9	L	LWR 15819 1 + 4	61 8 0.13	−0.92 0.08 13.2	L	O	08:04:28	40:00	4	0	2	Guide x = 846 y = 744 cts = 1654 F/O MN=	"
	"		α , , δ " , " , " R , ,	L	SWP 19820 1 + 5	68 5 0.07	−1.6 0.08 10.5	L	O	08:48:36	53:00	3	4	1	Guide x = 1045 y = 608 cts = 1721 MN= F/O	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 27 H APR Y 83 RAW TAPE D 27 H APR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
Fc265	TW HOR 50	C4 5.6V	α 03, 11, 17 δ −57, 30, 30 R 14, 39, 30.0	L	LWP 1852 1+1	14932 36 F/O	−0.3 0.08 6.1	L	O	03:01:35	50:00	2	3	2	Guide (−125, 607) ct = 41 (s/o) MN=	QUERCY / CC + DG
"	HD59643 50	C6 7.8V	α 07, 28, 52.6 δ 24, 36, 37 R 82, 06, 08.3	L	LWP 1853 1+2	2228 152 F/O	−1.0 0.08 7.5	L	O	04:38:01	25:00	3	5	1	Guide (−607, −90) ct = 1125 F/O MN=	"
"	"	"	α , , δ " , " , " R , ,	L	SWP 19829 1+3	2193 5 F/O	−1.7 0.08 7.2	L	O	05:06:04	40:00	2	3	0	GDE = (−410, −231) ct = 1200 F/O MN=	
"	UU AUR 50	C 5.3V	α 06, 33, 07.0 δ 38, 29, 18 R 94, 58, 42.3	L	LWP 1854 1+4	20973 49 F/O.	−2.1 0.08 7.2	L	O	06:40:48	111:13	3	3	2	GDE = (−1144, −401) cts = 221 F/O MN=	
"	RU CAM SAO 014157 50	R2 9.0V	α 07, 16, 20.4 δ 69, 45, 53 R 99, 4, 1.5	L	LWP 1855 1+6	1112 2 F0	1.5 .08 8.5	L	O	09:28:03	15:00	3	0	1	GDE (60, 191, 209 50) MN=	
	NULL		α , , δ , , R , ,		LWR 15821 1+5										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , ,												MN=	

DATE D 28 H APR Y 83 RAW TAPE D 28 H APR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE135	QSO 1522+101 85	QSO	α 15, 22, 00.0 δ 10, 09, 03 R 326, 10, 22.4	L	SWP 19840 1+1	13.0	−1.9 0.08 7.5	L	O	03:45:00	362:00	3	0	3	GDE x = −579 y = 479 ct 435 F/O MN=	SNIJDERS / AC + DG
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG — too much drift — DATE D 29 M APR Y 83 — RAW TAPE D 29 M APR

PROPOSAL	OBJECT TYPE	SP. TYPE mV	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. plot unkw/f.a	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC268	HD 60552 41	F5 6.7	α 07,32,10.3 δ -13,45,37 R 73,12,28.4	L	LWR 15834 1+1	6492 50 FO	-1.3 .08 13.8	L S	0	03:05:36 03:13:08	03:00 02:20	7 1	0	2	GDE(140,-558 125 FO) Star out of small aperture MN=799	CACCIARI ec
"	"	"	α , , δ , , R , ,	L	SWP 19850 1+4	6470 60 FO	-1.6 .08 10.5	L	0	03:25:10	07:00	3	0	0	B=20 C=~~1000~~80 No spectrum for λ<1760 MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 15835 1+2	6500 32 FO	-1.4 .08 13.8	L	0	04:03:33	01:50	6	0	2	MN=	"
"	HD 85504 32	A0 6.0	α 09,49,37.3 δ +02,41,16 R 73,50,05.8	L	LWR 15836 1+3	12523 24 FO	-1.3 .08 14.2	L S	0	04:51:59 04:55:40	00:20 00:25	6 5	0	2	B=36 C=255 (5 for sat) C=225 MN= 850	"
"	HD 90362 47	K5 5.6	α 10,23,14.2 δ -06,48,24 R 77,34,3.0	L	LWR 15837 1+5	16432 50 FO	-1.2 .08 14.2	L	0	05:38:50	16:00	4	0	2	GDE(112,528, 400 SO) B=33 C=138 MN=	"
"	HD 43039 47	Kφ 4.3	α 06,12,11.4 δ +29,31,05 R 93,04,47.5	L	LWR 15838 1+6	411 61 FU	-.6 .08 13.8	L	0	06:49:02	01:25	5	0	2	B=32 C=180 MN=871	"
"	HD 135722 47	K0 3.5	α 15,13,29.0 δ +33,30,00 R 343,32,21.4	L	LWR 15839 1+7	871 143 FU	-1.4 .08 13.5	L	0	08:35:54	00:30	6	0	1	B=30 C=255 (2 for sat) MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 19851 2	9939 122 FU	-1.3 .08 7.8	L	0	07:52:35	40:00	20	1		GDE(-296, -84 2255 FO) No data 1+ λ<1800 MN=	"

DATE D 29 M APR Y 83 — RAW TAPE D 29 M APR

PROPOSAL	OBJECT TYPE	SP. TYPE mV	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. plot unkw/f.a	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC268	HD 185657 47	Kφ 6.4	α 19,36,33.3 δ 49,10,03 R 287,53,37.6	L	LWR 15840 1+9	7381 12 FO	-.9 .08 13.8	L	0	09:20:10 09:37:04	10:00 06:00	6	0	2	GDE(601,-152, 612 FO) Two exp. RP(-16,-208) (-3,-242) MN=	Caccian ec
			α , , δ , , R , ,			1+									MN=	
			α , , δ , , R , ,			1+									MN=	
			α , , δ , , R , ,			1+									MN=	
			α , , δ , , R , ,			1+									MN=	
			α , , δ , , R , ,			1+									MN=	
			α , , δ , , R , ,			1+									MN=	
			α , , δ , , R , ,			1+									MN=	

OBSERVATORY LOG

DATE D 30 M APR Y 83 RAW TAPE D 30 M APR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undev/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.H.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PE 135	Q 1407+265 85	2.50 15.73	α 14, 07, 7.7 δ 26, 32, 30 R 6, 45, 53.1	L	SWP 19858 1+1	b.o.	-1.01 0.08 11.8	L	O	031101	356:00	3	3	2	GDE(670,-1450) 210 PAST. B=56 C(1200)~96 C(1900)~31 MN=	SNIJDERS A.C.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

DATE D 1 M MAY Y 83 RAW TAPE D 1 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undev/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.H.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
T.O.O.	NOVA HUB 55	Nova	α 11, 49, 35.1 δ -66, 55, 43 R 133, 20, 1.3	L	SWP 19864 1+1	322 1/0 OF	-1.46 0.08 7.8	L S	O	003746 0117 08	35:00 4:00	5 1	8 6	1	GDE(683,320) 181 PAST MN=	SNIJDERS CASSATELLA AC
"	"	"	α , , δ , , R , ,	L	LWR 15851 1+2	307 1 OF	-1.55 0.08 11.8	L S	O	012458 015434	20:00 3:30	6 3	8 5	2	MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 19865 1+3	314 1 OF	-1.54 0.08 8.5	L	O	020244	60:00	9	4	1	MN=	"
"	"	"	α , , δ , , R , ,	H	LWR 15852 1+4	318 2 OF	-2.14 0.08 12.8	L	O	030800	30:00	2	3	1	MN=	"
			α , , δ , , R , ,	L	SWP 19866 1+5	327 1 OF	-2.14 0.08 8.5	L	O	034240	3:00	0	5	1	MN=	"
FA Ø74	HD193237 23	B3Ia 4.9	α 20, 15, 56.5 δ 37, 52, 36 R 83, 44, 06	H	LWR 15853 1+6	25616 58 OF	-1.35 0.08 13.2	L	O	044920	6:00	5	6	2	2 pix sat in NRE C~240 B~35 MN=	CASSATELLA AC
"	"	"	α , , δ , , R , ,	H	SWP 19867 1+7	25623 96 OF	-1.35 0.08 7.8	L	O	051108	24:00	6	6	1	few pix sat ~1900Å C~130 and 1300 B~23 MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 15854 1+9	25160 100 OF	-1.70 0.08 13.2	L S	O	054539 0549 59	0:04 0:20	7 5	0 6	2	sat 2610Å C=200 B=27	"

DATE D M Y: 1 MAY 83 — RAW TAPE D M: 1 MAY

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/l.n	FOCUS BMG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CENTN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1074	HD193237 23	B1Ia 4.9	α 20, 15, 56.5 δ 37, 52, 36 R 283, 44.06	L	SWP 19868 1 + 8	26272 90/1800 OE	-2.06 0.08 8.2	L	O	062042 062431	0:18 1:00	5 6	0 0	1	C = ... (LAP) B = 15 MN = —	CASSATELLA
FI076	T CrB 63	Novalike 10.2	α 15, 57, 24.5 δ 26, 3, 39 R 329, 57, 37.2	L	SWP 19869 1 + 10	414 3 OF	-2.33 0.08 8.5	L	O	070156	45:00	5	6	1	CIV 239 NIII] 242 OI 242 CIV 153 SiIII] 3 sat CIII] 4 sat C(1300) 162 C(1400) = 194 MN = —	& DEC
			α , , δ , , R , ,		1 +										MN =	
			α , , δ , , R , ,		1 +										MN =	
			α , , δ , , R , ,		1 +										MN =	
			α , , δ , , R , ,		1 +										MN =	
			α , , δ , , R , ,		1 +										MN =	

DATE D M Y: 2 MAY 83 — RAW TAPE D M: 2 MAY

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/l.n	FOCUS BMG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CENTN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA084	NGC7027 70	PN 9.5	α 21, 05, 9.5 δ +42, 02, 01.9 R 276, 4, 45.9	L	SWP 19877 1 + 1	b.o.	-1.23 0.08 10.5	L	O	010714	12:00	0	5	1	GDE (1099, 588) 288 ... CIV 185 HeII 60 Bkg = 18 CIII] 189 MN =	CLEGG AC
"	"	"	α , , δ , , R , ,	L	LWR 15861 1 + 2	b.o	-1.23 0.08 15.2	L	O	012429	180:00	5	8	2	GDE (909, 704) C(2800) ~ 220 CII 1 sat; MN =	
"	"	"	α , , δ , , R , ,	L	SWP 19878 1 + 3	b.o	-1.24 0.08 10.2	L	O	042946	162:00	2	7	1	SiIV 127; B = 33 CONT(1800) ~ 70 CONT(1400) ~ 30 MN =	
"	"	"	α , , δ , , R , ,	L	LWR 15862 1 + 4	b.o	-1.15 0.08 15.2	L	O	071725	27:00	3	5	2	C(2800) ~ 90 MgII 175 B ~ 30 NeIV = 149 MN =	
			α , , δ , , R , ,		1 +										MN =	
			α , , δ , , R , ,		1 +										MN =	
			α , , δ , , R , ,		1 +										MN =	
			α , , δ , , R , ,		1 +										MN =	

DATE D 3 M MAY Y 83 RAW TAPE D 5 M MAY

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undrw/l.m	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FAØ82	NGC 3918 70	PN 9.0	α 11 , 47 , 49 δ −56, 54 . 16 R 125, 5 , 37.6	H	SWP 19888 1 + 1	704 20 OF	−0.70 0.08 10.5	L	O	003313	195:00	1	8	2	C IV He II C III not other lines good MN=	CLEGG AC
..	NGC 2392 70.	PN 10.4	α 07 , 26 , 13.4 δ 21 , 00 , 56 R , .	H	SWP 19889 1 + 2	389 50 OF	−1.19 0.08 9.8	L	O	042626	90:00	4	5	2	C III 189 B = 42 MN=	
..	—	..	α . . δ − , − , − R , .	H	LWR 15866 1 + 3	385 84 OF	−1.2 0.08 128	L	O	060016	103:60	4	3	3	C ~ 180 B ~ 50 MN=	
			α , . δ , , R , ,		1 +										MN=	
			α , . δ , . R , .		1 +										MN=	
			α , . δ , . R , ,		1 +										MN=	
			α , . δ , , R , ,		1 +										MN=	

DATE D 4 M MAY Y 83 RAW TAPE D 4 M MAY

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undrw/l.m	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FAØ82	NGC 3242 70	PN 17.2	α 10 , 22 , 21.5 δ −18 , 23 , 17 R 81 , 50 , 59.1	L	SWP 19893 1 + 1	6.0.	−1.69 0.08 98	L S	O	004627 005414	3:00 5:00	5 5	5 0	0	GDE(661, 243)372 OS LAP C = 191 He II 142 C III 168 SAP C = 173 B = 14 MN=	CLEGG AC
.	—	—	α , , δ , , R , .	L	LWR 15871 1 + 2	6.0.	−0.56 0.08 15.2	L S	O	011614 012432	5:00 10:00	4 4	3 0	2	LAP C = 175 C II 90 Ne III ~ 60 SAP C = 165 B ~ 28 MN=	
	NGC 3242 71	PN 17.2	α 10 . 22 . 21.4 δ −18 , 23 , 24 R 81 , 50 , 591	L	SWP 19894 1 + 3	6.0	−1.72 0.08 9.8	L	O	014445	15:00	4	7	0	GDE(615, −239)372 C(1300–1400) ~ 135 B ~ 14 [illegible] 90 He II, C III sat EXTENDED MN=	
			α , . δ , R , ,	L	LWR 15872 1 + 4	"	0.17 0.08 15.2	L	O	012005	15:00	4	4	2	MN=	
..	NGC 3242 71	—	α 10 , 22 . 21.9 δ −18 , 23 . 34 R 81 , 50, 59.1	L	SWP 19895 1 + 5	"	.17 0.08 10.2	L	O	025910	15:00	3	7	0	C ~ 50 B ~ 70 C IV ~ 60 He II 250 O III] 57 N III] 55 C III] 18 [illegible] MN=	GDE(596, −231) Ⓐ
.			α , , δ , , R , ,	L	LWR 15873 1 + 6	.	0.40 0.08 15.7	L	O	032944	15:00	3	3	2	C III] 112 ; N IV 109 [illegible] 3132 = 115 C ~ 96 B : 28 MN=	
.	NGC 3242 71	..	α . . δ . , R , ,	L	SWP 19896 1 + 7	.	0.90 0.08 10.2	L	O	035740	60:00	8	4	1	C IV 176 He II 164 C III 112 C IV 1175 : 58 N III] 135 other lines saturated C = 110 (1800) B = 21 MN=	
			α , , δ . . , R , ,	L	LWR 15874 1 + 8	.	1.28 0.08 15.2	L	O	050144	60:00	5	5	2	C = 190 B = 34 C II] ~ 120 [illegible] 248 C III] 219 MN=	

DATE D 4 M MAY Y 83 RAW TAPE D 4 M MAY

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/l.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FAØ82	IC 2553 70	PN 15.4	α 10, 07, 47.2 δ −62, 22, 03 R 102, 54, 12.5	L	SWP 19897 1 + 9	50	−1.72 0.08 9.8	L	O	065200	55:00	3	6	1	CIV 145, SiIV 80; NIV 92 CIII] Br./F; C(1900) 70 C(1300) 70 MN=	CLEGG Ac
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

DATE D 5 M MAY Y 83 RAW TAPE D 5 M MAY

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/l.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA084	NGC 4361 70	— 13.0	α 12, 21, 54.8 δ −18, 30, 28 R 88, 54, 32.4	L	SWP 19903 1 + 1	129 28 8.0	−.92 0.08 11.2	L	O	01:12:26 01:22:12	04:00 08:00	5 5	2 2	1 1	C = 195 B = 20 MN=	CLEGG / P.B
"	" "		α ", ", " δ ", ", " R ", ", "	L	LWR 15879 1 + 2	123 19 0.0	−1.44 .08 15.5	L	O	01:37:28	09:00	5	0	1	C = 160 DN B = 26 DN MN=	" / "
"	IC 2553 70	12	α 10, 07, 47.2 δ −62, 22, 03 R 101, 11, 18.4	L	SWP 19904 1 + 3	120 67 7.0	−1.65 .08 11.2	L	O	02:13:25	15:00	5	2	1	HeII = 120 DN OIII] = 120 DN Bkg = 200 DN MN=	" / "
	"		α ", ", " δ ", ", " R ", ", "	L	LWR 15880 1 + 4	116 38 1.0	−1.78 0.08 15.5	L	O	03:06:09	65:00	5	2	1	MN=	" / "
"	LMC 66	15.2	α 5, 36, 26.2 δ −67, 19, 54 R , ,	L	SWP 19905 1 + 5	B.O.	−1.48 0.08 10.2	L	O	04:44:02	183:00	5	2	1	HeII = 200 DN CIV = 105 DN CIII] = 90 DN MN=	" / "
"			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 6 H MAY Y 11 RAW TAPE D 6 H MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot units/1.s	FOCUS BKG THDA	APERTURE	AP. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ToO	COMET IRAS 06	— ~6	α 18, 41, 43.5 δ 56, 07, 19 R 304, 35, 33	L	LWR 15885 1+2	235 60 f.o.	−1.87 0.08 15.5	L	0	01:36:55	30:00	2	3	1	MN=	FESTOU / P.B.
	"	"	α , , , δ , , , R , ,		FES 1418 1+1	/	/									MN=	" / "
	"	"	α , , , δ , , , R , ,	L	SWP 19910 1+3	264 140 f.o.	−1.48 0.08 9.8	L	0	02:10:44	20:00	1	5	1	ONLY LYMAN α MN=	" / "
FM 133	M15 83	5.4	α 21, 27, 96 δ 11, 57, 00 R , ,	H	LWP 1859 1+—	566 ~~170~~ f.o.	−1.92 0.08 8.5	L	0	03:41:32	630:00 total	3	1	9	READ AT GSFC MN=	PETTINI / PB
	"		α , , δ , , R , ,		FES 1419 1+4		~~−1.87~~ ~~0.08~~ ~~8.8~~			~~03:47:11~~					MN=	" / "
	"		α , , , , δ , , , , R , , ,	H	SWP 19911 1+ AWH.	—	−1.92 0.08 9.8	L	0	04:11:35	587:00	0	0	8	READ AT GSFC SKY NEAR M15 MN=	" / "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

DATE D 7 H MAY Y 82 RAW TAPE D 7 H MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot units/1.s	FOCUS BKG THDA	APERTURE	AP. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM 133	NGC 362 83	G2 6.5	α 1, 1, 36.0 δ −71, 7, 0 R 233, 39, 42.6	H	LWP 1864 1+	612 281 —	−.61 0.08 10.2	L	0	00:59:0	779:00 total	3	1	9	READ AT GSFC MN=	PETTINI / P.B.
"	"	"	α , , , δ , , , R , ,	L	SWP 19919 1+	/	−.17 0.08 9.8	L	0	01:12:35	757:00	0	0	9	READ AT GSFC SKY NEAR NGC 362 MN=	" / "
			α , , δ , , R , ,	—	FES 1420 1+1										Relative to LWP 1866 & SWP 19919 MN=	" / "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 8 M MAY Y 83 RAW TAPE D 8 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/l.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
T.OO	COMET IRAS 06		α 18 . 10 , 00 δ 62 , 40 , 00 R 312 , 47 . 35,2	L	LWR 15892 1 + 2	224 50	-2.09 .08 15.2	L	O	01:01 07	12:00	0	0	1	NO SPECTRUM VISIBLE BECAUSE OF BAD DECLINATION RATE MN= 267	FESTOU AT
			α , , δ , , R , ,	L	SWP 19924 1 + 3	340 50	-.08 .08 10.2	L	O	~~01:31:58~~ 02:11:58	10:00	0	4	1	Lyα DN = 100 MN=	
			α , , δ , , R , ,	L	LWR 15893 1 + 4	340 50	-1.22 .08 15.2	L	O	02:43.21	12:00	2	2	1	MN=	
			α , , δ , , R , ,	L S	SWP 19925 1 + 6	366 50	-.47 .08 10.5	L	O	03:22:45 03:22:45	120:00 120:0	2	2	1	03.22:45 / 35 MIN 04:02:12 / 35 MIN 04:42:01 / 25 " 05:10:36 / 25 " MN=	Lyα OVEREXP. 3x
			α , , δ , , R , ,	L S	LWR 15894 1 + 10	366 50	-.91 .08 15.2	L	O	04:03:21 04:03:21	50:00 50:0	2	3	3	04:03:21 / 30 MIN 04:43:04 / 20 MIN SERENDIPITY WITH SWP19925 MN=	
			α , , δ , , R , ,	L S	LWR 15895 1 + 7	353 50	-1.34 .08 15.5	L	O	05:45:02 05:45:02	60:00 60:0	2	3	2	NUCLEUS IN X = -34 Y = 35 MN=	
			α , , δ , , R , ,	L	SWP 19926 1 + 8	353	-1.34 .08 10.8	L	O	06:24:26	20:00	0	3	0	SERENDIPITY WITH LWR15895 Lyα DN = 90 MN=	
			α , , δ , , R , ,	L	LWR 15896 1 + 9	350 50	-1.78 .08 16.2	L	O	07:17:56	13:00	2	3	1	MN=	

OBSERVATORY LOG

DATE D 8 M MAY Y 83 RAW TAPE D 8 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/l.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
TOO	COMET IRAS 06		α 18 . 10 , 00 δ 62 , 40 , 00 R 312 , 47 . 35.2		FES 1421 1 + 1	—	—			—	—				FIELD FOR IRAS COMET MN=	FESTOU AT
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 09 M MAY Y 83 RAW TAPE D 09 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot unnov/i.s.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FEϕ52	NGC 3516 84	GGWKY 13	α 11 ,03 ,22.9 δ 72 ,50 ,22 R 55 ,50 ,44.7	L	SWP 19940 1+1	118 8 50	-1.57 .08 9.2	L	0	00:53:06	260:00	3	4	2	GUIDE X 65 Y -107 156(Fo) MN=	ULRICH ΔT
	〃	〃	α , , δ , 〃 , R , ,	L	LWR 15897 1+2	117 7 50	-1.48 .08 12.8	L	0	05:18:32	144:00	3	5	4	GUIDE X -133 Y -888 127(Fo) MN= 847	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 10 M MAY Y 83 RAW TAPE D 10 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot unnov/i.s.	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE ϕ52	NGC 3516 84.	GGWKY 13	α 11 ,03 ,22.9 δ 72 ,50 ,22 R 56 ,41 ,26.4	L	SWP 14948 1+	118 13 50	-.27 .08 8.8	L	0	00:46:32	306:00	3	5	2	GUIDE X -234 Y 211 183(Po) MN=	ULRICH ΔT
			α , , δ , 〃 , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 11 M MAY Y 83 — RAW TAPE: D 11 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot urrlov/l.a	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	M. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE φ52	NGC 3516 84	13	α 11 , 03 , 22.9 δ 72 , 50 , 22 R 57 , 31 , 41.8	L	SWP 19957 1 + 1	118 5 SO	-1.52 .08 6.8	L	O	00:57:11	260:00	3	4	2	60E | X 40 Y -1018 150 (FO) MN=	ULRICH ΔT
	"		α , , δ , " , R , ,	L	LWR 15905 1 + 2	27 1 FO	-1.73 .08 11.8			05:22:33	140:00	3	5	4	MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α δ		1 +										MN=	

OBSERVATORY LOG

DATE: D 12 M MAY Y 83 — RAW TAPE: D 12 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot urrlov/l.a	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	M. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ToO	COMET IRAS 06		α 8 , 45 , 00 δ 20 , 00 , 00 R 75 , ,	L	SWP 19963 1 + 4	386	-2.28 .08 9.8	L	O	00:52:22 03:19:34	41:00 39:00	0	6	1	NUCLEUS IN | X +105 Y -44 Lyα SATURATED MN=	FESTOU-WALLIS ΔT / WW
			α , , δ , , R , ,	L	LWR 15910 1 + 3		-2.14 .08 14.8	L	O	01:13:03 03:21:10	20:00 15:00	0	3	1	SERENDIPITY WITH SWP 19963 MN=	
			α , , δ , " , R , ,		FES 1426 1 + 1										MN=	
			α , , δ , , R , ,		FES 1427 1 + 2										MN=	
			α , , δ , , R , ,	L	LWR 15911 1 + 5		-.92 .08 15.2	L	O	04:12:00 05:58:32	40:00 10:00	2	4	2	MN=	
			α , , δ , , R , ,		FES 1428 1 + 6										WRONG FIELD NOT COMET MN=	
FE φ70	~~NGC 3548~~ GSC02010,01194 ~~84~~ 64	12.7	α 14 , ~~15~~ 14 , ~~43.7~~ 27.95 δ 25 , ~~22~~ 15 , ~~00~~ 32.4 R 19 , 4 , 44.9	L	LWR 15912 1 + 7	96 SO	15.5	L	O	07:25:09	20:00	0	0	0	WRONG OBJECT NO SPECTRUM MN=	ULRICH ΔT / WW
			α , , δ , , R , ,		1 +										MN=	

Note: these two hours of FE070 compensate the two hours given to Comet IRAS on May 10, even if no exposure was taken on the Comet

OBSERVATORY LOG

DATE (D M Y): 13 MAY 83 RAW TAPE (D M): 13 MAY

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/1.a	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 107	BD+133224 27	B1 10.6	α 16 , 45 , 46.1 δ 13 , 20 , 53 R 324 , 1 , 32.3	L	LWR 15918 1 + 1	213 14 FO	-1.65 .08 15.5	L	O	01:10:33	3:00	5	0	2	MN=	JEFFERY ΔT
			α , , δ , , R , ,	H	SWP 19966 1 + 10	225 0 FO	-1. .08 10.8	L	O	01:17:22	260:00		0	2	SPECTRUM BUILT UP OF NINE EXPOSURES DURING READING THE LWR CAMERA MN=	
			α , , δ , , R , ,	L	LWR 15919 1 + 2	221 1 FO	-1.41 .08 15.9	L	O	01:53:40	3:00	5	0	2	MN=	
			α , , δ , , R , ,	L	LWR 15920 1 + 3	220 3 FO	-1.62 .08 15.9	L	O	02:31:48	3:00	5	0	2	MN=	
			α , , δ , , R , ,	L	LWR 15921 1 + 4	223 0 FO	-1.34 .08 16.2	L	O	03:16:08	2:30	5	0	2	MN=	
			α , , δ , , R , ,	L	LWR 15922 1 + 5	226 5 FO	-.75 .08 15.9	L	O	04:00:04	3:00	5	0	2	MN=	
			α , , δ , , R , ,	L	LWR 15923 1 + 6	231 2 FO	-1.33 .08 15.9	L	O	04:44:03	3:00	5	0	2	MN=	
			α , , δ , , R , ,	L	LWR 15924 1 + 7	232 0 FO	-.77 .08	L	O	05:27:57	2:30	5	0	2	MN=	

OBSERVATORY LOG

DATE (D M Y): 13 MAY 83 RAW TAPE (D M): 13 MAY

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/1.a	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 107	BD+133224 27	B1 10.6	α 16 , 45 , 46.1 δ 13 , 20 , 53 R 324 , 1 , 32.3	L	LWR 15925 1 + 8	225 1 FO	-.92 .08 15.5	L	O	06:12:04	2:30	5	0	2	MN=	JEFFERY ΔT
			α , , δ , , R , ,	L	LWR 15926 1 + 9	232 1 FO	-.31 .08 15.5	L	O	06:49:04	3:00	5	0	2	MN=	
			α , , δ , , R , ,	L	LWR 15927 1 + 11	241 FO	-.83 .08 15.5	L	O	07:31:53	3:00	5	0	2	MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 14 M MAY Y 83 RAW TAPE D 14 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.a	FOCUS DAC THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA107	4D160641 13	09 10.0	α 17, 38, 55 δ -17, 53, 00 R 276, 18, 40	L	LWR 15935 1+1	384 4 OF	-1.08 0.08 13.8	L	O	004419	2:30	5	0	1	C = 200 B = 26 MN= 721	JEFFERY AC
"	"	"	α , , δ , , R , ,	L	SWP 19976 1+2	377 4 OF	-0.70 0.08 8.8	L	O	005415	3:00	4	0	0	C = 116 B = 15 MN=	
"	"	"	α , , δ , , R , ,	L	LWR 15937 1+3	/	-1.29 0.08 13.8	L	O	015140	2:30	5	0	1	C = 190 B = 27 MN=	
"	"	"	α , , δ , , R , ,	L	SWP 19977 1+4	371 4 OF	-1.24 0.08 8.6	L	O	015812	5:30	5	0	0	C = 175 B = 14 MN=	
"	"	"	α , , δ , , R , ,	L	LWR 15938 1+5	370 3 OF	-1.45 0.08 13.8	L	O	022907	2:30	5	0	1	C = 197 B = 27 MN=	
"	"	"	α , , δ , , R , ,	L	SWP 19978 1+6	/	+0.92 0.08 8.5	L	O	032615	5:30	4	0	0	C = 162 B = 15 MN=	
"	"	"	α , , δ , , R , ,	L	LWR 15939 1+7	363 2 OF	-1.35 0.08 13.8	L	O	033542	2:30	5	0	1	C = 191 B = 28 MN=	
"	"	"	α , , δ , , R , ,	L	SWP 19979 1+8	/	-1.17 0.08 8.6	L	O	043018	5:30	4	0	0	C = 162 B = 15 MN=	

OBSERVATORY LOG

DATE D 14 M MAY Y 83 RAW TAPE D 14 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.a	FOCUS DAC THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA107	4D160641 13	09 10.0	α 17, 38, 55 δ -17, 53, 00 R 276, 18, 40	L	LWR 15940 1+9	370 3 OF	-1.17 0.08 13.8	L	O	044041	2:30	4	0	1	C = 174 B = 27 MN=	JEFFERY AC
"	"	"	α , , δ , , R , ,	L	SWP 19980 1+10	385 5 OF	-0.65 0.08 8.2	L	O	053810	5:30	5	0	0	C = 172 B = 17 MN=	
"	"	"	α , , δ , , R , ,	L	LWR 15941 1+11	382 2 OF	-0.65 0.08 13.5	L	O	054648	2:30	4	0	1	C = 177 B = 26 MN=	
"	"	"	α , , δ , , R , ,	L	SWP 19981 1+12	398 4 OF	-1.26 0.08 7.5	L	O	064534	5:30	4	0	0	C = 160-182 B = 17 MN=	
			α , , δ , , R , ,	L	LWR 15942 1+13	382 4 OF	-1.76 0.08 13.2	L	O	065357	2:30	5	0	1	C = 180 B = 27 MN=	
			α , , δ , , R , ,	L	SWP 19982 1+14	388 4 OF	-1.00 0.08 7.5	L	O	07:34:46	7:00	5	0	0	C = 198 B = 15 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 15 M May Y 83 RAW TAPE: D 15 M May.

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. alot undev/1.s	FOCUS / BRG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE070	NGC 5548 84	12.9	α 14, 15, 43.2 δ +25, 22, 00 R 22, 5, 22.5	L	LWR 15949 1 + 1	68 6 5.0	-.36 .08 12.5	L	O	01/00/50	100/00	5	6	4	90F -1542 X -419 Y MgII 3pix at 255 MN=	WAMSTEKER WW
"	"	"	α , , δ " , " , " R , ,	L	SWP 19990 1 + 2	67 22.7 5.0	.17 .08 8.8	L	O	02/45/15	100/0	3	5	0	90E -1338 X -563 Y 1pix @ Lyα cal. MN=	" "
"	"	"	α , , δ " , " , " R , ,	L	LWR 15950 1 + 3		-.49 .08 13.8	L	O	04/30/08	95/0	5	6	4	90E -1545 X -420 Y 3pix at MgII 255 MN=	" W.
"	"	"	α , , δ " , " , " R , ,	L	SWP 19991 1 + 4		-1.53 .08 10.5	L	O	06/09/33	98/0	3	5	0	90E -1339 X -563 Y MN=	" "
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 16 M May Y 83 RAW TAPE: D 16. M May

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. alot undev/1.s	FOCUS / BRG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	NuLL		α , , δ , , R , ,		LWP 1869 1 + 1		6.1					0	0	1	MN=	Penston WW.
FE 139	NGC 3783 84	13.0	α 11, 36, 33.0 δ -37, 27, 41 R 93, 45, 33.9	H	LWP 1870 1 +	80 6 5.0	-1.23 .08 7.8	L	O	01/03/06 07/44/35	400 +345 =745:00 TOT.	3	6	8	90E 907 (36t) 90E 1098 5.0) 2nd. THDA 9.2 MN=	" "
	Serendipity		α , , δ " , " , " R , ,	H	SWP 20000 1 +		-1.39 .08 8.5	L	O	01/47/43					MN=	" "
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

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DATE 17 May 83 (D M Y) RAW TAPE 17 May (D M)

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undev/1.n	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CENTN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE139	NGC 7469 84	12.5	α 23, 00, 44.5 δ +8, 36, 18 R 287, 5, 9	H	LWP 1871 1 +	86 6 5.0	-1.39 .08 7.8	L	0	01/03/19	447/0 +253/0	3	1	8	FOE -1323 184 MN=	Pensler WW "
	Serendipity		α , , δ , , R , ,	H	SWP 20010 1 +		-1.73 .08 9.2	L	0	01/23/55	447/0				MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		H/0 exposing 1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , ,												MN=	

DATE 18 May 83 (D M Y) RAW TAPE 18 May (D M)

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undev/1.n	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CENTN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE139	NGC 7469 84.	12.5	α 23, 00, 44.5 δ 8, 36, 18 R 287, 21, 26.5	H	LWP 1873 1 +	88 9 5.0	-1.64 .08 8.2	L	0	00/51/23	447/0 + 333/0	3	1	9	FOE -1321 904 123 F.0 MN=	Pensler WW.
"	Serendipity	"	α , , δ , , R , ,	L	SWP 20020 1 +		-1.55 .08 9.5	L	0	01/11/00	447/0				MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 19 May 83 — RAW TAPE D M: 19 May

PROPOSAL	OBJECT TYPE	ST. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undev/t.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CENTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA009	HD 186786 40	F0 III 6.4	α 19, 46, 15.2 δ −65, 43, 48 R 252, 6, 21	H	LWR 15969 1 + 1	10615 47 F.O.	−3.27 .08 14.8	L	0	00/28/48	46/53	6	1	4	MN=	Fracassini W.W.
"	"	"	α , , δ " , " , " R , ,	H	LWR 15970 1 + 2	11459 16 F.O	0.30 .08 15.2	L	0	01/50/42	46/53	6	1	3	MN=	" "
FA009	HD 89254 40	F1 III 5.24	α 10, 15, 08.7 δ −07, 49, 07 R 71, 31, 40.3	H	LWR 15971 1 + 3	19809 58 F.O	−1.13 .08 15.9	L	0	03/21/29	31/23	6	1	3	MN=	" "
"	"	"	α , , δ " , " , " R , ,	H	LWR 15972 1 + 4	20283 68 F.O	−1.57 .08 15.9	L	0	04/22/23	28/30	5	1	3	MN=	"
FA009	HD 73666 30	A0 V 6.61	α 08, 37, 19.1 δ 20, 08, 56 R 75, 58, 44.1	H	LWR 15973 1 + 5	2439 13 F.O	−1.18 .08 15.9	L	0	05/44/43	49/31	6	1	4	MN=	"
"	"	"	α , , δ " , " , " R , ,	L	SWP 20025 1 + 6	7440 23 F.O	−1.09 .08 15.9	L	0	06/38/58	06/30	8	1	0	MN=	"
"	"	"	α , , δ " , " , " R , ,	H	LWR 15974 1 + 7	7420 11 F.O	1.82 .08 15.9	L	0	07/11/21	32/0	5	1	3	MN=	"
			α δ R		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 20 May 83 — RAW TAPE D M: 20 May

PROPOSAL	OBJECT TYPE	ST. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undev/t.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CENTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC201	HD 117555 45	G5 II 7.9	α 13, 28, 24.7 δ 24, 29, 25 R 39, 30, 55.3	L	LWR 15979 1 + 1	1497 4 FO	−1.44 .12 14.8	L	0	00/47/01	2/0	3	4	2	MN=	BIANCHI CC/CG
"	"	"	α , , δ " , " , " R , ,	L	SWP 20032 1 + 3	1497 7 FO	−1.4 .08 10.8	L	0	00/52/44 01/50/41	41/0 89/0	3	4	1	guide : −66 142 2637 FO MN= 7828	"
"	"	"	α , , δ " , " , " R , ,	L	LWR 15980 1 + 2	1473 6 FO	−1.91 .08 15.2	L	0	01/38/04	8/0	4	7	2	guide : −263 283 2411 FO MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 15981 1 + 4	1481 0 FO	−2.21 .08 14.8	L	0	03/26/10	15:00	4	8	3	MN=	"
FC199	HDE 319139 46	K1 IIe 10.6	α 18, 10, 53 δ −32, 48, 30 R 257(?)35, 46.2	L	LWR 15982 1 + 5	236 1 FO	−1.9 .08 14.8	L S	0	04/51/41 05/58/51	60.00 15:00	3	5	3	guide : −435 −881 18360 MN=	LLORENTE CC/CG
"	"	"	α , , δ " , " , " R , ,	L	SWP 20033 1 + 6	230 4 FO	−2.2 .08 9.2	L	0	06/18/16	89:00	2	2	1	guide −238 −1024 18950 MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 21 M May Y 83 — RAW TAPE: D 21 M May

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undev/l.m	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC 201	HD117555 45	G5 II 8	α 13 , 28 , 24.7 δ 24 , 29 , 25 R 40 , 14 , 33.2	L	LWR 15990 1 + 1	1526 3 FO	-1.0 .08 14.2	L	O	00/33/54	3:00	3	4	2	guide -261 286 FO 2360 MN= 810	BIANCHI/ CC/CG
"	"	"	α δ " , " , " R	L	SWP 20039 1 + 2	1494 1 FO	-1.0 .08 9.5	L	O	00/40/27	160:00	3	5	1	guide -62 145 FO 3036 MN=	"
"	"	"	α δ , " , R	L	LWR 15991 1 + 4	1446 9 FO	-1.9 .08 13.8	L	O	03/23/41	15:00	5	8	2	guide -260 286 296 MN=	"
FA153	HD138[illegible] 22	B6 IV 4.2	α 15 , 30 . 54.7 δ 31 , 31 , 36 R 4 , 59 , 32.9	H	SWP 20040 1 + 3	580 100 FU	-1.3 .08 9.5	L	O	05/33/0[illegible]	1:45	5	0	1	MN=	DOAZAN CC/CG
"	HD162732 22	B7 IIe 6.4	α 17 . 48 . 45 δ 48 . 24 . 25 R 330 , 23 , 45.9	H	SWP 20041 1 + 5	6941 22 FO	-1.3 .08 9.2	L	O	05/19/17	25:00	5	0	1	guide -994 -78 FO 169 MN=	"
"	"	"	α δ , " , R	H	LWR 15992 1 + 8	6932 27 FO	-1.0 .08 13.8	L	O	05:51:12	22:00	5	0	3	GDE (-1196, 61 172 FO) MN=	"
"	"	"	α δ " , " , " R	L	SWP 20042 1 + 6	6933 19 FO	-1.5 .08 9.2	L S	O	06:23:02 06:27:17	0:18 0:08	5 3	0	0	MN=	"
FA153	HD200120 20	B1.5 IIe 4.9	α 20 , 58 . 07 δ 47 , 19 , 30 R 292 , 32 , 2 . 8	H	SWP 20043 1 + 7	26223 550 FO	-1.5 .08 9.2	L	O	06/08/04	1:30	5	0	1	MN=	

OBSERVATORY LOG

DATE: D 22 M MAY Y 83 — RAW TAPE: D 22 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undev/l.m	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC062	HD 124897 47	K2 III 0.06	α 14 , 13 , 22.8 δ 19 , 26 , 31 R 32 , 19 , 16.7	H	SWP 20044 1 +		-1.4/-1.6 .08 8.8/7.2	L	O	08:29:17 23:16:44	390:00 440:00				GDE (-1185, 201 70 50) MN=	P. G. JUDGE ee
			α δ R		FES 14387 1 + ovsH.		-1.6 .08 12.8			06:43:34	445:00				Field for HD 124897 = SWP 20044 MN=	
			α δ Started and read R		1 +					at GSFC					MN=	
			α δ R		1 +						1290:00				B=210 C= 2x E - 5x MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 23 MAY 83 — RAW TAPE D M: 23 MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD 93521 12	09 V 7.04	α 10, 45, 34 δ 37, 50, 04 R 66, 21, 50.9	L	LWP 1878 1 + 2	5706 9 /340 FO	-.5 .08 7.8	L S	O	01:29:09 01:26:36	00:03 00:09	5 5	0	2	MN=	CACCIARI ee
"	"	"	α , , δ , " , R , ,	L	SWP 20050 1 + 1	5731 11/216 Fo	-.5 .08 9.5	L S	O	01:31:40 01:36:08	00:03 00:09	4 6	0	0	1 pixel sat. MN=	"
"	BD +33 2642 20	B2 IV 10.83	α 15 . 50 . 01 δ 33 . 05 . 28 R 01 . 30 . 54.8	L	LWP 1879 1 + 3	177 10/0 Fo	-1.5 .08 8.8	L S	O	03:04:58 02:50:20	03:10 09:30	5 6	0	2	2-3 px saturated MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 20051 1 + 4	171 0/12 Fo	-1.6 .08 9.2	L S	O	03:10:30 03:17:11	04:00 12:00	5 5	0	0	MN=	"
FA074	HD 193237 23	B1 Ia 4.9	α 20 . 15 . 56.5 δ 37 . 52 . 36 R 301 . 17 . 28.0	L	LWP 1880 1 + 5	25520. 87/3076 FO	-1.4 .08 9.2	L S	O	04:45:30 04:48:09	00:04 00:20	5 7	0	2	MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 20052 1 + 6	25565 82/1403 FO	-1.4 .08 9.5	L S	O	04:50:30 04:53:42	00:18 01:10	5 7	0	0	MN=	"
PHCAL	BD+28 4211 16	Sd0 10.53	α 21 . 48 . 56 δ 28 . 37 . 35 R 288 . 48 . 25.4	L	LWP 1881 1 + 7	256 0/ 10 Fo	-1.0 .08 9.2	L S	O	06:04:11 06:07:13	00:50 02:30	5 6	0	2	2 px sat. MN=	"
			α , , δ , , R	L	SWP 20053 1 + 8	260 0/15 FO	-1.0 .08 9.2	L S	O	06:12:21 06:15:52	00:26 01:18	5 6	0	0	30 px sat MN=	"

OBSERVATORY LOG

DATE D M Y: 23 MAY 83 — RAW TAPE D M: 23 MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	BD+28 4211 16	Sd0 10.53	α 21 , 48 , 56 δ 28 , 37 , 35 R 288 , 48 , 25.4	L	LWP 1882 1 + 9	277 2 Fo	-.9 .08 9.2	L	0	07:09:50	03:20	5	0	2	TRAIL R= 0.100 I=1 MN=	CACCIARI ee
"	"	"	α , , δ , " , R , ,	L	SWP 20054 1 + 11	264 0 Fo	-1.2 .08 9.2	L	0	07:48:19	01:18	5	0	0	TRAIL R=0.2564 I=1 MN=	"
"	NULL		α , , δ , , R , ,		LWR 16004 1 + . 10										MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 24 M MAY Y 83 RAW TAPE D 24 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot window/t.s	FOCUS BKG THDA	APERTURE	NP. SMAT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE067	PKS 1327-206 85	ϕ50 17.0	α 13 , 27 , 24.5 δ -20 , 40 , 48 R 83 , 20 , 04.7	L	SWP 20061 1+1	B/O	-2.9 0.08 10.2	L	O	00:55:05	412100	2	1	3	CDE: X = -12.7 Y = 36.1 253 cts s/o MN=	KUNTH / AWH
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 25 M MAY Y 83 RAW TAPE D 25 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot window/t.s	FOCUS BKG THDA	APERTURE	NP. SMAT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM122	HD 114444 23	B2III 10.3	α 13 , 09 , 06.7 δ -75 , 03 , 01 R 131 , 16 , 56	H	SWP 20067 1+1	278 0 F/0	-1.26 0.08 9.5	L	O	00:45:50	420:00	7	1	3	MN=	AWH / AWH
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 26 M MAY Y 83 RAW TAPE D 26 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.x	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE191	E1530-08 88	16	α 15 , 30 , 39 δ -8 , 31 , 58 R 34 , 13 , 19.7	L	SWP 20074 1 + 1	B.O.	-1.53 0.08 11.8 at H/O	L		23:23:08	365:00	3	3	3	EXP. STARTED AT GSFC. GDE: X = 41 Y = -1637 252 cts F/O MN=	KAPPELMANN (FOR GREWING) / AWH.
"	E1556+274 88	16	α 15 , 56 , 25.4 δ 27 , 25 , 46 R 3 , 39 , 0.2	L	SWP 20075 1 +	B.O.	4.14 0.08 10.2	L		07:05:41	395:00	3	4	6	EXP. READ AT GSFC GDE: X = 856 Y = 1341 MN= 515 cts F/O.	"
"	"	—	α " , " , " δ " , " , " R " , " , "		FES 1441 1 + 3										FES REF. FOR SWP 20075 MN=	—
PHCAL	NULL		α , , δ , , R , ,		SWR 1176 1 + 2					06:03:00					SWR SAFETY READ MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 27 M MAY Y 83 RAW TAPE D 27 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.x	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC124	SET OF R.AQR. 49	M7 12	α 23 , 41 , 14.6 δ -15 , 33 , 36 R 297 , 11 , 03.1	H	SWP 20080 1 +	B.O.	0.12 0.08 8.5 (at H/O)	L	0	00:08:55	Total = 863 mins.	2	6	9	Started + read at GSFC. MN=	P. Gudge / AWH.
			α , , δ , , R , ,		1 + H/O		EXPOSING								Exp. restarted during VILSPA shift at 07:30:00 for 440 min, focus = -1.12 FPM = 0.08 THDA = 10.5 MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 28 M MAY Y 83 RAW TAPE D 28 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CENTR.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE ϕ19	MCG 05-32-052 88	GALAXY 14.6	α 13, 34, 36.6 δ -32, 45, 13 R 97, 37, 50.6	L	SWP 20083 1+1	8.0	-.44 .08 10.5	L	O	01:09:36	200:00	3	3	1	GDE X 161 Y -414 104 s/o MN=	K. WEST Δ.T.
	〃	〃	α , , δ , , R , ,		LWR 16019 1+2	8.0	-1.09 .08 14.8	L	O	04:33:16	180:00	3	0	4	GDE X -39 Y -277 110 s/o MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 29 M MAY Y 83 RAW TAPE D 29 M MAY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CENTR.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 115	FEIGE 110 16	sd O 11.8	α 23, 17, 23.5 δ -5, 26, 22 R 293, 10, 33.7	L	SWP 20091 1+1	322 .4 50	-1.48 .08 9.5	L	O	00:36:52	2:30	5	0	0	MN=	HUSFELD Δ.T.
	SB 884 16	sd O 12.1	α 23, 50, 80 δ -30, 27, 00 R 300, 2, 51.1	H	SWP 20092 1+2	231 1 50	-1.48 .08 9.5	L	O	01:35:08	300:00	4	0	2	GDE X -1079 Y -1343 134 s/o MN=	
			α , , δ , , R , ,	L	SWP 20093 1+3	248 1 50	-1.34 .08 10.5	L	O	07:02:56	3:45	5	0	0	MN=	
			α , , δ , , R , ,	L	LWR 16026 1+4	248 0 50	-1.34 .08 13.5	L	O	07:14:30	4:30	4	0	2	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 30 M MAY Y 83 RAW TAPE D 30 M MAY

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 115	UV0832-01 16	Sd0 11.5	α 08 ,32 ,48 δ -01 ,45 ,00 R 65 ,12 ,20.3	L	LWR 16031 1+1	442 1 SO	-.9 .08 15.2	L	O	00:55:48	01:50	4	0	2	B=37 C=125 . MN=	HUSFELD ec
"	"	"	α , , δ , " , R , ,	H	SWP 20098 1+2	419 1 SO	-.9 .08 11.8	L	O	01:01:47	180:00	5	0	2	GDE(276,-649 350 FO) MN=	"
"	KS 292 16	Sd0 11.3	α 09 ,18 ,20 δ -45 ,19 ,07 R 63 ,27 ,57.4	H	LWP 1887 1+5	113 0 FO	-1.3 .08 10.8	L	O	04:40:23	173:00	5	0	1	GDE(689, 972, 574 FO) MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 20099 1+3	121 1 FO	.08 .08 11.2	L	O	07:00:11	02:00	5	0	0	MN=	"
"	NULL		α , , δ , , R , ,		LWR 16032 1+4							0	0	1	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,												MN=	

OBSERVATORY LOG

DATE D 31 M 05 Y 83 RAW TAPE D 31 M Ma

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CALUV	null prep high gain		α δ 0 ,0 , R , ,		LWR 16038 1+1		.08 15.2								high gain null MN=	PB GRT
"	60 %		α , , δ , , R , ,		LWR 16039 1+2		.08 15.2			003824	01:53				final uvtape = 38 MN=	
"	20 %		α , , δ , , R , ,		LWR 16040 1+3	=	-1.22 .08 15.5			01:17:46	00:38				f.UV.T = 36 MN=	
"	120 %		α , , δ , , R , ,		LWR 16041 1+4		-1.31 .08 15.9			01.46.17	03:46				f.UV.T = 41 MN=	
	60 %		α , , δ , , R , ,		LWR 16042 1+5		-1.31 .08 15.9			022152	01:53				f.UV.T = 39 MN=	
TFLOOD	100 %		α , , δ , , R , ,		LWR 16043 1+6		-1.30 .08 (5.5)			024240	00:22				MN=	
CALUV	160 %		α , , δ , , R , ,		LWR 16044 1+7		-0.87 .08 16.2			031056	05:01				f.UV.T = MN=	
	null Spare not prep.		α , , δ , , R , ,		LWR 16045 1+8										MN=	

OBSERVATORY LOG

DATE D 31 M May Y 83 RAW TAPE D 31 M May

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	FESIL.	CAMERA IMAGE NO. RAW 7. FILE	FES CTS ref. p. slot unkw/1.5	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CALUV	null prep hi gain used		α , , δ 0,0 , R , ,		LWR 16046 1+9		.20 16.2								HI Gain MN=	PB GRY
CALUV	null prep lo gain.		α , , δ , , R , ,		LWR 16047 1+10		.08 16.2							1	MN=	〃
CALUV	null prep hi gain		α , , δ 0,0 , R , ,		SWP 20106 1+11		.08 10.8							5	HI Gain MN=	〃
CALUV	60%		α , , δ , , R , ,		SWP 20107 1+12		1.4 .08 11.2			05:17	07 1:49			5	final UVF temp = 35 MN=	〃
〃	20%		α , , δ , , R , ,		SWP 20108 1+13		-.36 .08 11.2			05:48	48 0:36			2	final UVF Temp = 32 MN=	〃
〃	120%		α , , δ , , R , ,		SWP 20109 1+14		-.36 .08 11.5			06:14	29 3:38			9	final UVF Temp = 39 MN=	〃
〃	60%		α , , δ , , R , ,		SWP 20110 1+15		-.36 .08 11.5			06:42	41 1:49			5	final UV Temp. -36 MN=	〃
〃	60%		α , , δ , ,		SWP 20111 1+16		-.39			07:03	32 4:51					

OBSERVATORY LOG

DATE (D M Y): 32 may 83 (31 May #2) RAW TAPE (D M): 32 may

PROTOCOL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/l.n	FOCUS BKG. THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
Fe178	Tflood 60%		α 49 , , δ 0 , 0 . R , ,		SWP 20018 1 + 2					220242	0:9				no residual spectrum MN=	HEIDMAN / PB CG
Fe178	NGC 6052 8?2	13.6	α 16 , 03 , 01.0 δ 20 , 40 , 44 R 9 , 33 . 57.9	L	SWP 20119 1 + 8?	~~150~~ B.O.	-1.62 .08 9.5	L	O	23.02.59	420:0	3	0	2	OFFSET ON RADIO SOURCE MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
															MN=	

OBSERVATORY LOG

DATE (D M Y): 01 Jun 83 RAW TAPE (D M): 01 Jun

PROTOCOL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/l.n	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
			α , , δ , , R , ,		1 +											
FE131	NGC 6300 84	13	α 17 , 12 , 16.8 δ -62 , 45 , 54 R 192 , 50 . 4.8	L	SWP 20124 1 + 2	148 " 5.0	-1.90 .08 9.2	L	O	01/31/15	255/0	2	1	1	MN=	DIAZ
"	~~Serene~~ NGC6300	13	α , , δ " , , " R , ,	L	LWR 16054 1 + 1	X	-1.52 .08 13.2	L	O	01/37/41	200/0	1	1	5	MN= Serendipity.	AW "
			α , , δ , , R , ,		1 +										MN= 883	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 2 M Jun Y 83 RAW TAPE D 2 M Jun

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 131	NGC1433 88	13.0	α 3 , 40, 27.0 δ -47, 22, 48 R 345, 26, 24.5	L	SWP 20134 1+1	129 32 5.0	-.56 .08 11.5	L	O	22/53/28	414/0	2	0	3	MN=	Diaz WW.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 3 M Jun Y 83 RAW TAPE D 3 M Jun

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 131	NGC1433 88	13.0	α 3 , 40, 27.0 δ -47, 22, 48.0 R 344, 38, 52.6	L	LWR 16064 1+1	122 19 5.0	-2.08 .08 13.5	L	O	22/53/38	409/0	3	0	8	MN=	Diaz WW.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 4 M JUN Y 83 RAW TAPE D 4 M JUN

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undow/l.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 131	NGC3393 84	Seyf 2 13	α 10, 46, 00 δ -24, 53, 48 R 69.23, 6.6	L	SWP 20148 1+1	64 3 30	-0.93 0.08 8.2	L	O	224737	400:00	3	5	6	NW 250; CIV 137 HeII 149 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 5 M JUN Y 83 RAW TAPE D 5 M JUN

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undow/l.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	NULL 99	/	α 00, 00, 00 δ 00, 00, 00 R , ,		SWP 20150 1+4		-2. 0.08 7.8			23:48:00	/				NULL IMAGE HIGH GAIN READ MN= /	AC
"	60% CALUV	/	α , , δ , , R , ,		SWP 20151 1+5		-0.4 0.08 8.4			01:38:00	1:49				FINAL WF TEMP = 34 MN= /	"
	100% TFLO	/	α , , δ , , R , ,		SWP 20152 1+6		-0.4 0.08 8.7			01 5932	0:16				MN= /	
	160% CALUV	/	α , , δ , , R , ,		SWP 20153 1+7		-0.4 0.08 9.5			01 5550 02 2639	4 1 51				Read only MN= /	
	NULL	/	α , , δ / , , , R , ,		SWP 20154 1+8		-0.4 0.08 8.8			02 4400	/				READ PREP MN= /	
	NULL	/	α , , δ , , , R , ,		SWP 20155 1+9		/ 0.08 8.8			03 11 00	/				READ PREP High gain read MN= /	
	NULL	/	α , , δ , , R , ,		SWP 20156 1+10		/ 0.08 8.8			03 : 30 : 00	/				READ PREP (Lo gain read) MN= /	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE (D M Y): 5 JUN 83 RAW TAPE (D M): 5 JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FH167	HD94910 26	P48 7.2	α 10 , 54 , 10.6 δ −60 , 11 , 11 R 78 , 55 , 24.2	L	LWR 16079 1 + 1	5281 51 OF	−1.11 0.2 14.5	L	O	223358 224012	1:00 0:30	5 4	6 4	1	3-4 pix sat C = 114 B = 30 MN = 330	VIOTTI AC
			α , , δ , , R , ,	L	SWP 20149 1 + 2	5233 43 OF	−1.54 0.08 7.5	L	O	230714	8:00	7	7	1	sat 1630−1890 ~1440 ~1340 MN = —	
			α , , δ , , R , ,	H	LWR 16080 1 + 3	5143 50 OF	−1.98 0.08 14.2	L	O	232013	45:00	5	6	1	MN = —	
	AG CAR-B	14	α 10 , 54 . 12.2 δ −60 , 11 , 03 R 78 , 55 , 24.2	L	LWR 16081 1 + 12	—	−1.27 0.08 14.2	L	O	012045	157:00	5	0	2	GDE (−971, −88) 12B FO EXTENDED C = 103 B = 49 MN =	
	HD94910 26		α 10 , 54 , 10.6 δ −60 , 11 , 11 R 78 . 55 , 24.2	L	SWP 20157 1 + 11	5273 45 OF	−0.75 0.08 9.2	L	O	040201	4:00	5	0	1	C = 232 B = 15 MN = —	
PHCAL	HD60753 21	B3IV 6.7	α 7 . 32 , 08 δ −50 , 28 , 29 R 36 , 50 , 58	L	SWP 20158 1 + 13	7263 8 OF	−1.80 0.08 8.5	L S	O	052423 052728	0:10 0:30	5 6	0 0	1	MN.	
	—	—	α . : δ — — R , ,	L	LWR 16082 1 + 14	7300 10 OF	−1.8 0.08 14.5	L S	O	053242 053550	0:07 0:21	5 5	0 0	1	MN	
			α δ R												MN	

OBSERVATORY LOG

DATE (D M Y): 6 JUN 83 RAW TAPE (D M): 6 JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM167	N7635-A1 72	HII Reg —	α 23 , 18 , 30 δ +60 , 55 , 01 R 276 , 36 , 27.1	L	SWP 20161 1 + 1	b.o.	−1.56 0.10 10.2	L	O	225132	60:00	0	0	1	COMETARY MN =	VIOTTI AC
			α , , δ , , R , ,	L	LWR 16085 1 + 2	b.o.	−1.56 0.08 15.2	L	O	235633	120:00	1	0	1	MN =	
FI166	AG DRA 57	Symb 10	α 16 . 01 . 23 δ 66 . 56 , 24 R , ,	H	SWP 20162 1 + 4	432 2 OF	−1.56 0.08 10.2	L	O	023643	140:00	0	7	1	CIV 225 HeII ~30 sat NIII 157 ; SiIII OIV SiIV 95 B = 25 MN = —	
			α , . δ , , R , ,	L	LWR 16086 1 + 3	412 — OF	−0.98 0.08 15.2	L	O	041548	6:00	3	5	1	Mg II 181 B = 30 MN =	
			α , , δ , , R , ,	L	LWR 16087 1 + 5	—	−0.66 0.08 15.2	L	O	051239	12:00	4	5	1	Mg II 1 pix sat MN = —	
			α , , δ , , R , ,		1 +										MN =	
			α , , δ , , R , ,		1 +										MN =	
			α , , δ , , R , ,		1 +										MN =	

OBSERVATORY LOG

DATE D 7 M JUN Y 83 RAW TAPE D 7 M JUN

PROPOSAL	OBJECT TYPE	SP. TYPE mv	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot uvlow/l.a	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	NULL 99		α 00 , 00 , 00 δ 00 , 00 , 00 R , ,	/	LWP 1893 1+1	/	/	/	/		/				HI GAIN READ MN=	CASSATELLA
"	60%CALUV 99	/	α , , δ , , R , ,	/	LWP 1894 1+2	/	-1.17 0.08 7.5	/	/	00 51 17	2:04				FINAL UVF TEMP = 38 MN=	
	20%CALUV 99	/	α , , δ , , R , ,	/	LWP 1895 1+3	/	-1.02 0.08 8.8	/	/	012807	0:41				" = 36 MN=	
	120%CALUV 99	/	α , , δ , , R , ,	/	LWP 1896 1+4	/	-1.02 0.08 9.2	/	/	020129	4:08				" = 42 MN=	
	60%CALUV 99	/	α , , δ , , R , ,	/	LWP 1897 1-5	/	-0.71 0.08 9.5	/	/	030008	2:04				= 38 MN=	
	100%TFLOOD 99		α , , δ , , R , ,	/	LWP 1898 1+6	/	-1.26 0.08 9.5	/	/	033652	1:40				MN=	
	160%CALUV 99		α , , δ , , R , ,	/	LWP 1899 1+7	/	-1.35 0.08 9.5	/	/	042018	5:31				READ ONLY MN=	
	NULL 99		α , , δ , , R , ,	/	LWP 1900 1+8	/	/	/	/						READ PREP MN=	

OBSERVATORY LOG

DATE D 7 M JUN Y 83 RAW TAPE D 7 M JUN

PROPOSAL	OBJECT TYPE	SP. TYPE mv	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot uvlow/l.a	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	NULL 99		α 00 , 00 , 00 δ 00 , 00 , 00 R , ,		LWP 1901 1+9	/	/				/				HI GAIN READ MN=	CASSATELLA
"	NULL 99		α , , δ , , R , ,		LWR 16097 1+10										MN=	
FIO76	HD143454 57	Pec 10	α 15 , 57 , 24 δ 26 , 03 , 39 R 18 , 36 , 30.6	H	SWP 20163 1+11	352 4 OF	-1.10 0.08 8.8	L	O	233152	310:000	3	2		C III] 112 B=.53 Si II] 149 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 8 M June Y 83 — RAW TAPE: D 8 M jun

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.a	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 130	A0556-383 84 auth.	Seyfat 14	α 05 , 56 , 21.1 δ -38 , 20 , 16.1 R 13 , 40 , 38.2	L	LWR 16104 1 + 1	BO	-.38 .08 14.2	L	O	22:50:32 23:12:09	10:00 52:00 14:00	1	1	2	difference of 4" between predicted and actual offset GDE(464, 912, 214 SO) MN= 817	LAWRENCE CC + CG
FE 130	84	Seyfat 12	α 22 , 33 , 00.5 δ -26 , 18 , 33.6 R 287 , 44 , 08.2	L	LWR 16105 1 + 2	BO	-2.7 -1.36 .08 15.5	L	O	01:18:59 01:49:05	234:00	2	1	6	GDE(314, 267, 175 SO) MN=	〃
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 9 M jun Y 83 — RAW TAPE: D 9 M jun

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.a	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 130	NGC 3227 84	Seyfat 13	α 10 , 20 , 46.8 δ 20 , 07 , 06 R 71 , 33 , 57.4	L	LWR 16116 1 + 1	BO	-1.39 .08 14.8	L	O	22:48:22	160:00	3	4	5	GDE(-1247, -675 112 SO) MN= 739	LAWRENCE Bo7ss on CC / CG
〃	NGC 526A 84	Seyfat 14	α 01 , 21 , 37.2 δ -35 , 19 , 33 R 308 , 20 , 25.3	L	LWR 16117 1 + 2	BO	-.82 .08 15.5	L	O	01:40:50	183:00	2	1	5	GDE(-432, -1633 122 FO) MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 10 M June Y 83 RAW TAPE D 10 M June

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/t.n	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA141	HD52356 21	BSIV 6.99	α 6,57,46.0 δ -28,19,44 R 29,08,04.1	H	LWR 16125 1+1	5415 FO	-.33 .08 14.2	L	O	22:46:44	10:00	3	0	2	MN=	MOLARO CG
"	"	"	α , , δ " , " , " R , ,	H	SWP 20189 1+2	5173 FO	-.33 .08 9.2	L	O	23:00:57	25:00	5	0	1	MN=	"
"	HD77366 22	B8 7.28	α 8,58,43.8 δ -38,13,22 R 51,05,14.7	H	LWR 16126 1+3	4456 FO	-1.02 .08 14.5	L	O	23:43:45	20:00	4	0	2	MN=	"
"	"	"	α , , δ " , " , " R , ,	H	SWP 20190 1+4	4403 FO	-1.33 .08 9.2	L	O	00:16:26	40:00	5	0	1	MN=	"
"	HD71216 21	BSII 7.10	α 8,22,47.9 δ -40,34,60 R 44,5,43.3	H	LWR 16127 1+5	5217 FO	-1.68 .08 14.5	L	O	01:18:00	17:00	4	0	2	MN=	"
"	"	"	α , , δ " , " , " R , ,	H	SWP 20191 1+6	5206 FO	-1.67 .08 9.5	L	O	01:44:50	30:00	5	0	1	MN=	"
"	HD119921 30	A0 5.15	α 13,44,00.9 δ -36,00,09 R 91,13,10.3	H	LWR 16128 1+7	22302 FO	-1.62 .08 14.5	L	O	02:45:38	12:00	5	0	2	MN=	"
"	"	"	α , , δ " , " , " R , ,	H	SWP 20192 1+8	222.59 FO	-1.18 .08 9.5	L	O	03:07:13	30:00	7	0	1	MN=	"

OBSERVATORY LOG

DATE D 10 M June Y 83 RAW TAPE D 10 M June

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/t.n	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA141	HD129685 30	AOII 4.95	α 14,41,54.7 δ -34,58,52 R 99,43,19.7	H	LWR 16129 1+9	26062 FO	-.55 .08 14.5	L	O	04:08:01	9:00	5	0	2	MN=	MOLARO CG
FA141	"	"	α , , δ " , " , " R , ,	H	SWP 20193 1+10	26089 FO	-.61 .08 10.2	L	O	04:23:48	23:00	7	0	1	MN=	"
"	"	"	α , , δ " , " , " R , ,	L	SWP 20194 1+11	25905 FO	-.77 .08 11.5	L	O	05:13:37	00:18	6	0	2	MN=	"
"	"	"	α , , δ " , " , " R , ,	L	LWR 16130 1+12	26194 FO	-.84 .08 14.5	L	O	05:38:41	00:9	5	0	0	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

DATE D M Y: 11 june 83 RAW TAPE D M: 11 june

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE021	Tololo 1924-416 88	15.5	α19 , 24 , 29.3 δ-41 , 40 , 39 R245 , 07 , 36.7	L	SWP 20200 1 + 1	BO	-.99 .08 9.5	L	O	23:04:12	403:00	5	5	2	offset X = -108 Y = -1546 ct = 718 MN=	GONDHALEKAR PB CG
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

DATE D M Y: 12 june 83 RAW TAPE D M: 12 june

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	BD+33 2642 12	O9IVp 10.8	α15 , 50 , 01.0 δ33 , 05 , 28 R24 , 01 , 47.5	L	LWR 16144 1 + 1	184 5 FO	.14 .08 12.5	L	O	22:38:00	3:0	4	0	2	MN= 865	AWH/ CG
"	"	"	α , , δ " , " , " R , ,	L	SWP 20208 1 + 2	182 1 FO	-.30 .08 78	L	O	23:01:42	4:0	4	0	1	MN=	"
FI076	T CrB 63	10.2	α15 , 57 , 24.5 δ26 , 03 , 39 R24 , 06 , 12.6	L	LWR 16145 1 + 3	414 1 FO	-.82 .08 12.8	L	O	00:00:32	20:00	5	7	2	C=241 B≈30 MN=	"
FI076	AG DRA 57	10.0	α16 , 01 , 23 δ66 , 56 , 24 R18 , 12 , 45.4	L	SWP 20209 1 + 4	424 0 FO	-2.04 -2.7 .08 9.8	L S	O O	00:58:02 01:27:35	20:0 5:0	3 2	6 5	1	MN=	"
PHCAL	BD +28° 4211 16	SdO 10.5	α21 , 48 , 56 δ28 , 37 , 35 R301 , 25 , 50.8	L	LWR 16146 1 + 5	245 FO	-1.78 .08 13.5	L	O	02:05:39	1:0	4	0	2	MN=	"
FITOO	NOVA MUS 63	10.2	α11 , 49 , 35.1 δ-66 , 55 , 43 R86 , 54 , 44.7	L	SWP 20210 1 + 6	372 FO	-1.70 .08 9.2	L S	O O	02:58:37 03:31:51	30:0 2:00	7 3	8 3	1 1	c:51 MN=	CASSATELLA HARRIS "
"	"	"	α , , δ " , " , " R , ,	L	LWR 16147 1 + 7	375 FO	-1.19 .08 13.5	L S	O O	03:38:13 04:04:08	20:0 3:0	7 3	9 4	3	c=79 B:151 MN=	"
"	"	"	α , , δ " , " , " R , ,	H	SWP 20211 1 + 8	364 FO	-.75 .08 9.2	L	O	04:11:09	50:0	3	3	1	MN=	"

DATE D 12 M jun Y 83 RAW TAPE D 12 M jun

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot urdow/t.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI TOO	NOVA MUS 63	10.2	α 11 , 49 , 35.1 δ -66 , 55 , 43 R 86 , 54 , 44.7	L	LWR 16148 1 + 9	360 2 FO	-.75 .08 13.8	L	O	05:06:58	13:00	5	7	2	MN=	AC AVH CG
"	"	"	α , , δ " , " , " R , ,	L	SWP 20212 1 + 10	354 2 FO	-.75 .08 9.2	L	O	05:34:27	13:00	5	6	1	MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

DATE D 13 M JUN Y 83 RAW TAPE D 13 M JU

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot urdow/t.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 021	T01924-416 88	15.5	α 19 , 24 , 29.3 δ -41 , 40 , 39 R 242 , 49 , 11.6	L	LWR 16158 1 + 1	BO	-.75 .08 13.5	L	O	23 17 52	385:00	6	6	9	guide -256 -1418 772 FO MN=	GONDHALEKAR CG
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , ε , , r , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 19 M JUN Y 83 RAW TAPE D 14 M JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	ITES CTS ref. p. slot undov/l.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 218	BD+40°4227 64	0616 8.5	α 20 ,31 ,27.3 δ 41 ,08 ,31 R 317 ,34 ,44.8	L	LWR 16164 1+1	902 92 FO	-.30 .08 12.8	L	O	22:33:19	40:00	5	0	2	60E X-1053 Y-331 187/FO MN=	GIOVANNELLI AT
			α , , δ , , R , ,	L	SWP 20226 1+2	893 134 FO	-.36 .08 7.2	L	O	23:16:58	220:00	4	3	1	60E X-856 Y-471 170/FO MN=	
	BD+40°4219 64	07 III(f) 10.22	α 20 ,30 ,26.3 δ 41 ,16 ,57 R 317 ,58 ,47.2	L	LWR 16165 1+3	251 70 FO	-.30 .08 12.8	L	O	03:12:41	36:00	4	0	2	60E X-1075 Y-791 248/FO MN=	
			α , , δ , , R , ,	L	SWP 20227 1+4	256 82 FO	-2.61 .08 9.5	L	O	03:53:16	115:00	3	2	1	60E X-873 Y-938 240/FO MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 15 M JUNE Y 83 RAW TAPE D 15 M JUNE

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	ITES CTS ref. p. slot undov/l.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE ϕ45	NGC 4156 84	SC 60L 13.1	α 12 ,08 ,18.0 δ 39 ,45 ,02 R 66 ,31 ,35.9	L	LWR 16171 1+1	BO (20 s/o)	-1.18 .08 14.2	L	O	23:03:51	400:00	2	0	9	60E X=724 Y=-799 136/FO CONTIN. ≃ 8 DN MN=	J. CLAVEL AT
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 16 M JUNE Y 83 RAW TAPE D 16 M JUNE

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE ϕ45	NGC 4593 84	GALAXY/SF 13	α 12, 37, 04.7 δ −5, 4, 16 R 67, 9, 30.3	L	LWR 16177 1+1	75 12 SO	-.09 .08 14.8	L	O	23:10:22	160:00	4	5	5	60E X 744 Y 767 115/FO MaxDN = 212 (MgII) BKG = 43 MN=	CLAVEL ΔT
			α , , δ , , R , ,	L	SWP 20237 1+2	74 12 SO	-1.00 .08 14.2	L	O	02:04:15	223:00	3	3	1	60E X 934 Y 624 112/FO max DN = 123 (CIV) BKG = 27 MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 17 M JUNE Y 83 RAW TAPE D 17 M JUNE

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI 128	RR TEL 57	SYMB. 9.6	α 20, 00, 20.0 δ −55, 52, 00 R 232, 31, 55.0	H	SWP 20246 1+	235 2 FO	-1.74 .08 11.8	L	O	22:54:10	820:00	7	8	9	60E X = -800 Y = 10 144/FO CIV satur. > 200 x BKG on low DN MN=	PENSTON ΔT
	"		α , , δ , , R , ,		FES 1445 1+1										FIELD FOR RR TEL MN=	
			α , , δ , HANDOVER EXPOSING SWP. R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 18 M JUN Y 83 RAW TAPE D 18 M JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. / slot / undov/f.s	FOCUS BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI 128	RR TEL	SYNB. 9.6	α 20 , 00 , 20 δ -55 , 52 , 0 R , ,	H	LWR 16187 1+2	211 2 FO	-2.93 .08 15.9	L	O	20:57:23	524:00	3	8	9	EXP. STARTED AT 61FC BY MAN ADDED AT 04:19 MN=	PENSION AT
	SKY BACKGROUND		α , , δ , , R , ,	H	SWP 20253 1+1	—	-2.59 .08 11.2	L	O	21:24:49	340:00	0	0	3	SKY BKG. EXPOSURE. EXP. STARTED AT 61FC AVERAGE DN = 41 Lyα > 110 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 19 M JUN Y 83 RAW TAPE D 19 M JUN *

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. / slot / undov/f.s	FOCUS BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 108	NGC 7552 80	GALAXY m_v 12.0	α 23 , 13 , 25.2 δ -42 , 51 , 26 R 282 , 2 , 25.5	L	SWP 20268 1+1	B.O.	-1.61 .08 8.5	L	O	22:37:20	200:00	3	0	2	GDE X=703 Y=705 669/FO MN=	THOMSON AT
	NGC 1097 80	GALAXY m_v 12.0	α 2 , 44 , 11.6 δ -30 , 28 , 59 R 314 , 51 , 41	L	LWR 16189 1+2	B.O.	-1.30 .08 12.5	L	O	03:02:08	162:00	3	0	4	GDE X=-524 Y=-1163 114/SO MN= 753	
			α , , δ , , R , ,		1+										* THE RAW ARCHIVE TAPE WAS ERRONEOUSLY NAMED WITH LABEL 17JUN-1 MN= Taken	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE (D M Y): 20 JUN 83 — RAW TAPE (D M): 20 JUN

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM 122	HD 111226 22	B9 6.5	α 12 , 45 , 13.8 δ -24 , 34 , 46 R 72 , 49 , 13.9	H	SWP 20277 1 + 1	8473 19 F/0	-1.3 0.08 10.2	L	0	22:44:21	30:00	7	0	1	MN=	AWH / AWH.
"	" "	" "	α " , " , " δ " , " , " R " , " , "	H	LWR 16192 1 + 2	8316 13 F/0	-1.8 0.08 13.2	L	0	23:18:15	15:00	5	0	2	MN=	" "
FI095	HD 128220 B 16	SD0 8	α 14 . 32 . 56.6 δ +19 . 25 . 58 R 51 , 02 , 48	H	SWP 20278 1 + 3	1355 5 F/0	-1.2 0.08 10.2	L	0	00:06:35	40:00	5	0	1	MN=	Howard / AWH
"	A0538-66 59	B 14	α 5 , 35 . 42.8 δ -66 , 53 , 40 R 355 , 44 , 03	L	LWR 16193 1 + 4	B.O.	-1.4 0.08 13.8	L	0	01:56:13	90:00	3	0	3	GDE X = -492 Y = -739 CTS = 163 F/0 MN=	" "
"	" "	" "	α " , " , " δ " , " , " R " , " , "	L	SWP 20279 1 + 5	B.O.	-1.1 0.08 9.2	L	0	03:30:53	136:00	3	0	1	GDE X = -296 Y = -878 CTS = 137 F/0 MN=	" "
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 21 JUN 83 — RAW TAPE (D M): 21 JUN

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM126	HD 119078 10	WC7 10.1	α 13 , 39 , 34.2 δ -67 , 08 , 58 R 104 , 06 , 32.5	H	SWP 20280 1 + 1	542 0 F/0	0.14 0.08 5.5	L	0	23:31:21	376:00	7	7	3	MN=	AWH / AWH.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 22 JUN 83 RAW TAPE (D M): 22 JUN

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI095	HD 128220 B 16	SD O 8	α 14 , 32 , 56.6 δ +19 , 25 , 58 R 52 , 14 , 17.6	H	SWP 20289 1 + 1	1409 3 F/0	-0.29 0.08 8.2	L	O	22:47:32	40:00	5	0	1	MN=	AWH (FOR HOWARTH) / AWH
FM126	HD 109399 23	B0.5 8	α 12 , 32 , 11.6 δ -72 , 26 , 29 R 89 , 37 , 05.9	H	SWP 20290 1 + 2	3046 10 F/0.	-1.4 0.08 10.2	L	O	00:19:59	55:00	7	0	1	MN=	AWH / AWH.
"	" "	" "	α " , " , " δ " , " , " R " , " , "	H	LWR 16216 1 + 3	2923 37 F/0	-1.6 0.08 12.8	L	O	01:19:15	30:00	7	0	2	MN= 745	" "
"	HD 124979 12	08.5 7.7	α 14 , 14 , 51.2 δ -51 , 16 , 24 R 100 , 25 , 11.2	H	SWP 20291 1 + 4	1293 3 F/0	-0.93 0.08 9.2	L	O	02:37:0	190:00	7	0	2	MN=	" "
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 23 JUN 83 RAW TAPE (D M): 23 JUN

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FH104	NGC 2004 83	Gl. Cl. 9.86	α 5 , 30 , 44 δ -67 , 19 , 0 R 351 , 53 , 33.4	H	SWP 20301 1 + 1	187 33 OF	-1.27 0.08 9.2	L	O	222527	442:100	3	0	7	GDE (669, -675) 415 SD B-88 c = 125 (Red) MN= Ref Point (104, -93)	CASSATELLA
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 24 M JUN Y 83 RAW TAPE D 24 M JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/1.6	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA153	HD 138749 22	B7 V_e 4.2	α 15 ,30 ,54.7 δ 31 ,31 ,36 R 39 ,44 ,13.3	H	SWP 20309 1+1	614 130 FU	-1.3 .08 8.8	L	O	22:42:16	01:45	5	0	1	MN=	DOAZAN ee
"	HD 162732 22	B7 V_p 6.4	α 17 ,48 ,44.7 δ 48 ,24 ,25 R 5 ,13 ,32.1	H	LWR 16229 1+2	6746 46 Fo	-1.4 .08 12.8	L	O	23:05:56	22:00	6	0	2	GDE(-990,698 142 Fo) MN=	"
"	"	"	α , , δ , " , R , ,	H	SWP 20310 1+3	6746 23 Fo	-1.4 .08 8.8	L	O	23:38:24	25:00	6	0	1	GDE(-788,515, 153 Fo) MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 16230 1+5	6761 13/451 Fo	-1.0 .08 13.2	L S	O	00:08:02 00:11:17	00:15 00:25	6 5	0	2	MN=	"
"	HD 200120 20	B1.5 V_e 4.7	α 20 ,58 ,07.4 δ 47 ,19 ,30 R 321 ,34 ,35.8	H	SWP 20311 1+4	27683 242 Fo	-1.0 .08 8.8	L	O	00:50:12	01:30	5	0	1	MN=	"
"	HD 5394 20	B0.5 V_e 2.2	α 00 ,53 ,40.3 δ 60 ,26 ,47 R 273 ,1 ,24.9	H	SWP 20312 1+8	3795 526 FU	-1.6 .08 8.8	L	O	01:30:26	00:08	5	0	1	MN=	"
"	"	"	α , , δ , " , R , ,	H	LWR 16231 1+6	3494 486 FU	-2.4 .08 13.2	L	O	01:58:37	00:06	5	0	2	MN=	"
FE002	FORNAX#3 83	12.5	α 02 ,37 ,43.5 δ -34 ,28 ,17 R		FES 1447 1+7										Field 502 LWR 16232	CACCIARI ee

OBSERVATORY LOG

DATE D 24 M JUN Y 83 RAW TAPE D 24 M JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/1.6	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE002	FORNAX#3 83	12.5	α 02 ,37 ,43.5 δ -34 ,28 ,17 R 310 ,54 ,6.3	L	LWR 16232 1+	67 3 SO	-.6 .08 13.5	L	O	03:00:14	~~1147:00~~ 555:00	4	0	9	GDE(706,887, 86 SO) Read AT GSFC MN=	CACCIARI ee
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 25 M JUN Y 83 RAW TAPE D 25 M JUN

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/l.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PK. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	BD+28°4211 16	Sd0 10.5	α 21, 48, 56.0 δ +28, 37, 35 R 309, 30, 45.5	L	SWP 20317 1+1	242 5 OF	-1.18 0.08 9.2	L	O	224455 224907	0:26 1:18	5 6	0 0	0	MN=	AC "
"	"	"	α , , δ , , R , ,	L	LWR 16241 1+2	248 0 OF	-1.18 -1.61 0.08 14.8	L S	O	225409 225821	1:00 3:00	5 6	0 0	1	MN=	"
FA074	HD193737 23	B1Ia 4.9	α 20, 15, 56.5 δ 37, 52, 36 R 329, 54, 33.8	H	SWP 20318 1+3	316 16 FU	-0.87 0.08 9.5	L	O	234522	25:00	6	6	1	MN=	CASSATELLA
"	"	"	α , , δ , , R , ,	H	LWR 16242 1+4	25689 65 OF	-0.56 0.08 14.5	L	O	001732	6:00	5	6	1	MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 20319 1+5	25498 90 OF	-1.43 0.08 9.8	L	O	004457	0:18	5	0	0	MN=	"
PHCAL	HD60753 21	B3IV 6.69	α 7, 32, 8.0 δ -50, 28, 29 R 18, 14, 10.1	L	LWR 16243 1+7	6983 24 FO	-1.68 .08 14.5	L	O	01:43:30	00:07	5	0	2	MN: 890	CACCIARI
FE002	FORNAX 3 83	12.5	α 02, 37, 43.5 δ -34, 28, 17 R 310, 12, 6.4	L	SWP 20320 1+	66 3 SO	-1.68 .08 9.5	L	O	02:19:50	~~447:00~~ 530:00	3	0	8	SDE(893, 754 107 SO) Read at GSFC MN=	cc "
FE002	"	"	α , , δ , , R , ,		FES 1448										Field 002 SWP 20320	"

OBSERVATORY LOG

DATE D 26 M JUN Y 83 RAW TAPE D 26 M JUN

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/l.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PK. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI φ31	HBV475 57	SymL 12.6 avm	α 20, 49, 2.6 δ +35, 23, 36 R 323.2, 24	L	SWP 20327 1+1	158 4 OS	-0.84 0.08 9.5	L	O	231157	30:00	2	4	1	MN=	SCHMUTZ AC
"	"	"	α , , δ , , R , ,	L	LWR * 16250 1+2 (6)	38 1 OF	-1.71 0.08 13.5	L	O	234532	30:00	4	5	2	MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 20328 1+3	152 2 OS	-2.24 0.08 9.5	L	O	001940	200:00	0	4	2	MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 16251 1+4	162 4 OS	00.42 0.08 13.5	L	O	034348	50:00	4	6	2	MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 20329 1+5	163 OS	-0.86 0.08 9.8	L	O	043823	69:00	3	6	1	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		* 1+	The image played back in file 1+6									MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 27 M JUN Y 83 RAW TAPE D 27 M JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/l.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 122	Q50 0215+015 85	16	α 02h, 17m, 14.51 δ +01°, 31', 00" R 295°, 21', 19"2	L	LWP 1910 1+2	b.o.	-1.4 .08 7.5	L	O	23:46:40 + 05:23:09	334:00 + 32:00	1	1	2	MN=	J.C BLADES A.H.
	Quell	"	α ' " δ ' " R ' "		LWR 16259 1+1										MN=	"
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' "													

OBSERVATORY LOG

DATE D 28 M JUN Y 83 RAW TAPE D 28 M JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/l.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD 38666 20	B2 5.2	α 5h, 44m, 8.51 δ -21°, 19', 37" R 348°, 13', 33.0	L	LWP 1921 1+1	22837 2860 F0	-2.3 .08 9.8	L	O	22:27:11	0:2.3	5	0	3	TRAIL R = 8.62 APASS MN=	A. KECIC A.H.
"	HD 60752 21	B5 6.8	α 7h, 32m, 85.0 δ -50°, 28', 24" R 15°, 27', 19"4	L	LWP 1922 1+2	7339 14 F0	-1.4 .08 9.8	L	O	23:25:19	0:06	5	0	3	MN=	"
"	"	"	α ' " δ ' " R ' "	L	SWP 20335 1+3	7160 10 F0	-1.4 .08 8.5	L	O	23:29:57	0:10	5	0	0	MN=	"
"	HD 120315 21	B3 1.9	α 13h, 45m, 14.10 δ +49°, 33', 44" R 60°, 26', 2.7	H	LWP 1923 1+4	4711 719 FU	-1.84 .03 9.2	L	6	00:57:35	0:05	5	0	3	MN=	"
"	"	"	α ' " δ ' " R ' "	H	SWP 20336 1+8	4532 672 FU	-1.84 .08 8.8	L	O	01:01:42	0:06	5	0	0	MN=	"
"	HD 155763 21	B5 3.2	α 17h, 08m, 38.51 δ +65°, 46', 34" R 18°, 1', 52"7	L	LWP 1924 1+5	1383 141 FU	-1.72 .06 9.5	L	O	01:52:31	0:01.4	5	0	3	TRAIL R = 13.89 1 PASS MN=	"
"	HD 3360 21	B3 3.7	α 0h, 34m, 10.13 δ +53°, 37', 26" R 285°, 4', 52"8	L	LWP 1925 1+6	1048 55 FU	-1.62 .01 9.8	L	O	01:47:15	0:0.91	5	0	3	TRAIL R = 20.83 1PASS MN=	"
"	"	"	α ' " δ ' " R ' "	H	LWP 1926 1+7	1090 193 FU	-1.99 .03 9.8	L	O	01:27:34	0:17	5	0	3	MN=	"

OBSERVATORY LOG

DATE D 28 M JUN Y 83 RAW TAPE D 27 M JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD 214680 41	F4 4.9	α 22h, 37m, 1.0s δ 38.6°, 47', 22" R 305°, 17', 44.7"	L	LWP 1927 1+10	435 42 Fu	-1.15 .08 9.8	L	O	04:19:51	0:02	5	0	3	TRAIL R= 9.90 1 PASS MN=	A. HECK A.H.
"	Cancel		α ' " δ ' " R ' "		LWR 16260 1+9										MN=	"
"	BD+28°4211 15	Op 10.53	α 21h, 48m, 58s δ 28°, 37', 35" R 311°, 40', 38.0"	L	LWP 1928 1+11	256 3 Fo	-1.53 .08 9.5	L	O	05:47:31	0:50	5	0	3	MN=	"
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "												MN=	

OBSERVATORY LOG

DATE D 29 M JUN Y 83 RAW TAPE D 28 M JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 182	NGC 6231 C 90	~12	α 13h, 54m, 11.0s δ -29°, 36', 18.7" R 76°, 8', 56.7"	H	LWP 1929 1+1	112 22 Fo	-1.58 .08 7.2	L	O	22:51:47	412:00	3	0	3	Incomplete image but scan accurately) MN=	J.C. BLADES A.N.
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	

OBSERVATORY LOG

DATE D M Y: 30 JUN 83 RAW TAPE D M: 30 JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 137	NGC 1068 84	Seyf 11.1	α 2h, 40m, 7.1s δ -0°, 13', 31" R 296, 40, 31.6	L	LWR 16271 1 + 8	/	-1.68 .08 14.2	L	O	04:15:19	40:00	0	0	3	Exposure on nearby sky MN=	T. SNIJDERS A.H
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ												MN=	

OBSERVATORY LOG

DATE D M Y: 30 JUN 83 RAW TAPE D M: 30 JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD120135 21	B3V 1.84	α 13h, 45m, 34s δ 49°, 33', 44" R 61°, 56', 45".6	H	LWR 16267 1 + 1	4665 697 FU	-.87 .08 7.8	L	O	22:54:56	0:06	5	0	2	MN=	A. HECK A.H.
"	BD+28°4211 16	sdO 10.53	α 21h, 48m, 56.0s δ +28°, 37', 35" R 317°, 52', 43".2	L	LWR 16268 1 + 2	264 1 FO	-.96 .08 12.8	L	O	23:50:15	1:00	5	0	2	MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 20346 1 + 3	246 2 FO	-.96 .08 8.8	L	O	23:54:43	0:26	5	0	0	MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 16269 1 + 4	271 0 FO.	-.73 .08 13.2	L	O	00:45:37	1:00	5	0	2	MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 20347 1 + 5	250 2 FO	-.73 .08 9.2	L	O	00:49:52	0:26	5	0	[illegible]	MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 20348 1 + 6	267 2 FO	-1.71 .08 9.2	L	O	01:43:26	1:18	5	0	0	TRAIL RATE 0.256 1 PASS MN=	"
FE 137	NGC 1068 84	Seyf. 11.1	α 2h . 40m, 7.1s δ -0° . 13', 31" R 296', 40', 31".6	L	LWR 16270 1 + 7	144 25 FO	-1.44 .08 13.5	L	O	02:10:45	70:00	4	5	4	MN=	T. SNIJDERS A.H.
"	"	"	α , , δ , " , R , ,	L	SWP 20349 1 + 9	134 24 FO	-2.12 [illegible]8 9.2	L	O	03:44:35	63:00	3	6	0	MN=	"

OBSERVATORY LOG

DATE D M Y: 1 JUL 83 RAW TAPE D M: 1 JUL

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/1.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
F-I 065	Ae AQR 52	11.8	α 20h, 37m, 34.3s δ -10°, 2', 56.7" R 309°, 44', 36.0	H	SWP 20353 1 + 1	105 0 F0	-1.14 .08 9.2	L	0	20:57:04	410:00	3	3	3	MN=	G. WILLIAMS A.H.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 2 JUL 83 RAW TAPE D M: 2 JUL

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/1.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC215	HD142560 58	var T.TAU	α 15h, 53m, 24.0s δ -37°, 40', 58" R 99°, 35', 15.0	L	LWR 16281 1 + 1	113 2 F0	-2.42 .08 12.2	L	0	21:03:09	120:00	7	7	4	MN=	F. GIOVANNELLI AH
"	"	"	α , , δ , " , R , ,	L	SWP 20367 1 + 2	444 0 S0	-.65 .08 7.2	L	0	23:07:48	120:00	3	4	1	MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 16282 1 + 3	423 2 S0	-.21 .08 12.8	L	0	01:11:49	50:00	6	7	3	30 px. sat. MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 20368 1 + 4	424 2 S0	-0.65 .08 10.5	L	0	02:05:35	80:00	3	3	1	MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 16283 1 + 5	425 5 F0	-1.18 .08 13.8	L	0	03:30:02	13:00	3	6	2	7 px sat. MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 03 M JUL Y 83 RAW TAPE D 03 M JUL

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RN/T. FILE	IES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE135	Q1148+546 85	QSO 16	α 11,48,42.6 δ 54,54,13 R 87,48,28.5	L	SWP 20376 1+3	B/O	-1.44 .08 7.5	L	O	20:36:26	41:00	3	0	3	GDE(1263,-375 852 FO) MN=	SNIJDERS ee
"	FIELD "	"	α , , δ , " , R , ,	L	LWR 16290 1+	0	-1.8 .10 12.5	L	O	21:05:06	30:00	0	0	2	MN= 854	"
"	"	"	α , , δ , 4 , R , ,	L	LWR 16291 1+2	0	-.4 .08 12.8	L	O	22:02:09	50:00	0	0	3	MN=	"
"	"	"	α , , δ , " , R , ,		1+										MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , ,												MN=	

OBSERVATORY LOG

DATE D 04 M JUL Y 83 RAW TAPE D 04 M JUL

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RN/T. FILE	IES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE022	SN EVANS 56	SN 12.5	α 13,34,01.7 δ -29,38,48 R 74,19,7.7	L	LWR 16293 1+2	126 9 SO	-1.0 .08 12.2	L	O	20:57:13	30:00	3	0	1	GDE(844,-166 338 FO) SAO 181491 MN=	WAMSTEKER ee
"	"	"	α , , δ , " , R , ,	L	SWP 20380 1+3	131 4 SO	-.66 .08 8.5	L	O	21:33:07	55:00	2	0	0	GDE(1046,-310, 331 FO) MN=	"
"	SN EVANS 56	"	α , , δ , " , R , ,		FES 1449 1+1	/									Field MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 16294 1+4	126 9 SO	-.79 .08 13.2	L	O	22:32:33	87:00	3	0	3	GDE(842,-169) PNT(RP) 125 CT SO MN=	"
PHCAL	BD+28 4211 16	SpO 10.5	α 21,48,56 δ 28,37,35 R 315,40,55.2	L	SWP 20381 1+6	247 1 FO	-1.57 .08 8.2	L	O	01:18:07 01:22:43	00:26 00:26	6	0	0	Double exp. RP(-9,-210) and -23,-206) MN=	CACCIARI ee
"	"	"	α , , δ , " , R , ,	L	LWR 16295 1+5	254 2 FO	-1.65 .08 13.5	L	O	01:33:12 01:26:03	01:00 01:00	5	0	2	Double exp. RP (-9,-210) and (-23,206) MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 16296 1+7	237 0 FO	-2.5 .08 13.8	L	O	02:13:16 02:28:14	01:00 01:00	5	0	2	Idem MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 20382 1+8	248 2 FO	-2.17 .08 8.2	L	O	02:32:35 02:36:23	00:26 00:26	6	0	0	Idem MN=	"

OBSERVATORY LOG

DATE D 04 M JUL Y 83 RAW TAPE D 04 M JUL

PROPOSAL	OBJECT TYPE	SP.TYPE mv	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	BD+28 4211	SdO 10.5	α 21 . 48 . 56 δ 28 , 37 . 35 R 315, 40. 55.2	L	LWR 16297 1+10	241 1 FO	-1.8 .08 13.5	L	O	03:28:17 03:34:29	01:00 01:00	5	0	2	MN=	CACCIARI ee
			α , , δ , , R , ,		SWP 20383 1+9	245 2 FO	-1.8 .08 8.2	L	O	03:25:58 03:32:08	00:26 00:26	6	0	0	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , ,		1+										MN=	

OBSERVATORY LOG

DATE D 05 M JUL Y 83 RAW TAPE D 05 M JUL

PROPOSAL	OBJECT TYPE	SP.TYPE mv	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE TOO	SN EVANS 86	SN	α 13 . 34 . 01.7 δ -29 , 38 . 48 R 73. 58. 52.8	L	LWR 16306 1+1	165 9 SO	-1.18 .08 13.8	L	O	20:35:54	80:00	4	0	4	PNT 100 (168 SO) at 20:34 - 9DE (845, -158 - 355FO) SAO 161791 MN=	WAMSTEKER ee
"	"	"	α , , δ , , R , ,	L	SWP 20390 1+2	175 8 SO	-.06 .08 8.2	L	O	22:11:41	250:00	3	0	2	PNT 100 (175 SO) AT 22:10 9DE 1067, -298, 373FO MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 16307 1+3	174 11 SO	-1.3 .08 12.8	L	O	02:26:23	77:00	4	0	3	PNT 100 (180 SO) 9DE (844, -160, 313 FO) MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE (D M Y): 06 JUL 83 RAW TAPE (D M): 06 JUL

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA032	Sk-67 266 13	08 Ia 12.0	α 5 . 45 . 50.7 δ -67, 16 . 31 R 343. 0 . 20.9	L	SWP 20410 1 + 1	258 5 SO	.37 .08 6.1	L	O	21:05:34	10:00	4	0	1	GDE(-1106, -121 395 SO) MN=	KLARE ee
"	"	"	α , , δ , " , R , ,	L	LWR 16308 1 + 2	260 4 SO	.37 .08 11.2	L	O	21:19:09	20:00	6	0	3	GDE(-1309, 17, 398 SO) 20 px SAT. MN=	"
"	"	"	α , , δ , " , R , ,	H	SWP 20411 1 + 3	256 5 SO	.73 .08 6.5	L	O	21:47:21	360:00	4	0	3	GDE(-1107, -121 380 SO) MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R													

OBSERVATORY LOG

DATE (D M Y): 07 JUL 83 RAW TAPE (D M): 07 JUL

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA032	S DOR 33	Aeq. 9.4	α 5 . 18 . 35.2 δ -69, 18 . 02 R 335. 46 . 57.9	H	SWP 20413 1 + 1	600 6 FO	.97 .08 6.8	L	O	21:11:39	395:00	4	6	3	GDE(450, 130, 229 TO) MN=	KLARE ee
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 8 M JUL Y 83 RAW TAPE D 8 M JUL

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FET00	SN EVANS M83 56	SN 11.9	α 13, 34, 1.7 δ -29, 38, 48 R 72, 58, 44.5	L	LWR 16319 1+1	265 12 05	-1.27 0.08 13.8	L	0	21 1518	55:00	14	0	3	265 CTS 21:13UT C=170 B=33 (2900Å) MN= 707	WAMSTEKER AC
—	"	"	α , , δ , , — R , ,	L	SWP 20419 1+2	279 12 05	-1.26 0.08 8.5	L	0	22 1817	160:00	3	0	2	279CTS 22:17 UT 289CTS 01:03 MN=	c(1300)= 57 B = 25 c(1900) = 73 B= 2
FI075	HD14386	M_2 3.5	α 2, 16, 49.5 δ -3, 12, 13 R 294 12, 53		FES 1452 1+3										MN=	CASSATELLA AC
"	HD 14386 53	M_2 3.5	α 2, 16, 49.5 δ -3, 12, 13 R294, 12, 53	H	SWP 20420 1+5	1549 266 UF	-1.78 0.08 8.5	L	0	02 1741	440:00 + 95FC	2	3	9	READ AT 95FC Total exp. time =570m. MN=	
			α , , δ , , R , ,	L	LWR 16320 1+4	1559 263 UF	-1.43 0.08 12.8	L	0	01 48 18	13:00	4	6	2	C=154 B=27 MgII 1 pixel at MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 9 M JUL Y 83 RAW TAPE D 9 M JUL

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FS 118	JUPITER 3	Planet	α 15, 56, 49.7 δ -19, 37, 48 R 77, 28, 41.4	L	SWP 20425 1+2	b.o.	-0.84 0.08 9.5	L	0	21 1455	10:00	8	4	1	GDE (-633, -188) (Hallisto) Lyα 129 DN B = 13 MN=	FRICKE AC
"	"	"	α , , δ , , R , ,		FES 1452 1+1										MN=	
"	SATURN 3	Planet "	α 13, 45, 03.0 δ -8, 10, 30 R 68, 36, 26		FES 1453 1+3										MN=	
"	SATURN 3	Planet	α 13, 45, 03.0 δ -8, 10, 30 R 68, 36, 26	L	SWP 20426 1+4	bo	0.70 0.08 11.5	L	0	22 37 46	40:00	8	3	1	GDE (201, 530) (Titan) at 11:46 Lyα 98 B = 15 MN=	
"	URANUS 3	Planet 5.8	α 16, 12, 44.9 δ -21, 03, 52 R 79, 33, 42	L	SWP 20427 1+6	19343 1800 OF	-1.39 0.08 12.2	S L	0	00 11 22 02 01 16	105:00 99:00 204:00	3 0	3 4	2	Lap closed at 015722 LAP: Lyα 144; B=74 SAP Lyα 91; B=74 MN=	
"	"		α , , δ , , R , ,		FES 1454 1+5										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 10 M JUL Y 83 RAW TAPE: D 10 M JUL

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA114	NGC4361 70	PP.NeL 12.9	α 12, 21, 54.0 δ -18, 31, 0 R 64, 32, 2.5	H	SWP 20440 1 + 1	121 6 SO	-1.59 0.08 9.5	L	O	204710	420:00	4	7	4	C = 207 (1850 Å) = 203 (~1300) B~100(1850) & 73 at 1300 MN=	HAMANN AC
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: 10 JUL 83 RAW TAPE: 10 JUL

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA114	NGC6826 70	CPN 10.2	α 19, 43, 30.0 δ +50, 24, 00 R 354, 19, 12.4	H	SWP 20447 1 + 1	490 60 OF	-1.71 0.08 9.2	L	O	202404	180:00	6	7	2	C(1900) sat av. pix B = 71; C(1300) ~ 220 CIV em 6 pix sat NV 13 pix sat MN=	HAMANN AC
FETOO	SN in M83 56.	Supernova 11.8	α 13, 34, 01.7 δ -29, 38, 48 R 71, 38, 14.5	L	LWR 16332 1 + 2	356 7 OS	-0.84 0.08 13.5	L	O	004204	40:00	4	0	2	CTS 356 (SO) 00:39 UT C ~ 164 B = 30 MN=	W AMSTELLER CASSATELLA
"	"	"	α , , δ , , R , ,	L	SWP 20448 1 + 3	357 6 OS	-0.84 0.08 9.2	L	O	012925	138:00	3	0	2	CTS 357 (SO) 01:28 C = 70 (λ > 1750) B = 37 C ~ 45 (λ ~ 1300) B = 23 MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 12 M 07 Y 83 RAW TAPE D 12 M 07

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 260	MKN 290 84	15.6	α 15 , 34 , 44.8 δ 58 , 4 , 0.5 R 51 , 29 , 39	L	LWR 16338 1 + 1	B/0	-1.65 .08 14.5	L	0	22/10/25	332/0	5	6	8	Has additional 10 min exp. on blank sky MN=:	WAMSTEKER WW.
			α , , δ , , R , ,		1 +										15 pix sub @ Mg II cul. 220 Bg 60 MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 13 M Jul Y 83 RAW TAPE D 13 M Jul

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FS 275	Io Torus 07		α 15 , 57 , 51.3 δ −19° , 41 , 46.8 R , ,		FES 1456 1 +					00/15/00					For SWP 20463 MN=	Festou + Bertaux WW
,,	Io Torus 07		α ,, , ,, , ,, δ ,, , ,, , ,, R , ,	L	SWP 20463 1 +		0.21 .08 8.8	L	0	03/31/54	440 + 390 = 830 m total	1	3	9	MN=	,,
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 14 M JUL Y 83 — RAW TAPE D 14 M JLY

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. alot undov/f.s	FOCUS BRG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE TOO	SN EVANS M83 56	SN 11.5	α 13,34,1.7 δ -29,38,48 R 71,4,2.7	L	LWP 1949 1+1	—	—	—	—	NULL	READ	—	—	—	PNT = 417 S/O MN=	WAMSTEKER AT
			α , , δ , , R , ,	L	LWP 1950 1+3	406 6 50	-2.13 .08 7.5	L	O	21:28:09	25:00	3	0	0	GOE | X 853 Y -110 378 (80) MN=	
			α , , δ , , R , ,	TI	FES 1457 1+2			2		21:45:00	40:00	—	—	—	FIELD FOR SN EVANI. TARGET IN LWLA MN=	
			α , , δ , , R , ,	H	LWP 1951 1+	430 7 50	-1.69 .08 8.2	L	O	22:25:25	680:00	3	0	9	GOE | 855 X -111 Y 325 (80) MN=	
			α , , δ , , R , ,		1+	HANDOVER EXPOSING LWP.									MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 15 M JLY Y 83 — RAW TAPE D 15 M JLY

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. alot undov/f.s	FOCUS BRG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 228	NGC 4244 80	GALAXY 11	α 12,15,04.0 δ 38,04,40 R 84,04,57.3	L	SWP 20476 1+	BO	-1.52 -.08 7.8	L	O	20:29:49	882:0			9	OBSERVING THE GALAXY HALO GOE | X -1789 Y 94 135 (50) MN=	JOUBERT DEHARVENG AT
			α , , δ , , R , ,	L	LWR 16345 1+		-1.52 .08 12.5	L	O	20:31:01	877:0			9	SERENDIPITY EXPOSURE MN=	
			α , , δ , , R , ,	E	FES 1458 1+1			2							FIELD FOR NGC 4244 MN=	
			α , , δ , , R , ,		1+	HANDOVER EXPOSING BOTH CAMERAS									MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 16 M JULY Y 83 RAW TAPE: D 16 M JULY

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA Φ42	CD 325 64	WD+dM 14.0	α 13 , 33 , 38.9 δ 48 , 44 , 05.3 R 76 , 44 , 21.1	L	SWP 20480 1 + 1	36 0 50	-.92 .08 9.5	L	0	23:48:05	120:00	4	0	1	6DE X 554 Y -612 160 F/O BLIND OFFSET MN=	I. BUES AT
			α , , δ , , R , ,		1 +										MN=	
		TWO Σ9 CRASHES DURING THE SHIFT.	α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 17 M JUL Y 83 RAW TAPE: D 17 M JUL

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 243	NGC 205 81	ELLIP. GALAXY 10.8	α 00 , 37 , 38.4 δ 41 , 24 , 54 R 296 , 42 , 46.9	L	LWR 16363 1 + 1	69 20 50	-1.88 .08 12.8	L	0	20:54:41	409:00	4	0	9	6OE X -984 Y -1165 527 F/O MN=	BUSON AT
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 18 M JULY Y 83 — RAW TAPE D 18 M JULY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot / undov/f.s	FOCUS BKG / THDA	APERTURE	NR. SHOT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FS 246	COMET KOHOUTEK 06	COMET 12	α 15 , 40 , 10 δ -14 , 40 , 00 R 73 , 55 , 22.9	L	LWR 16371 1 + 1	120 27 50	-.40 .08 13.2	L	0	21:23:22 21:59:30	24:00 36:00 60:00	1	3	3	MN= 717	FESTOU - BUTTERWORTH ΔT
			α , , δ , , R , ,	L	SWP 20481 1 + 2	114 27 30	-1.44 .08 7.2	L	0	22:43:45	30:00	1	5	0	Lyα = 160 DN MN=	
	COMET TEMPEL I 06	COMET 13	α 13 , 52 , 33.6 δ -13 , 05 , 8.5 R 69 , 35 , 43.3	L	LWR 16372 1 + 3	41 10 50	-.65 .08 12.8	L	0	01:19:05 01:44:45 02:19:51 02:55:18	30:00 30:00 30:00 30:00	1	3	4	TOTAL EXP. TIME 120 MIN OH : DN≈20 MN= 725	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 19 M JULY Y 83 — RAW TAPE D 19 M JULY

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot / undov/f.s	FOCUS BKG / THDA	APERTURE	NR. SHOT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FETDO	SN EVANS 1983	SN 11.5	α 13 , 34 , 1.7 δ -29 , 38 , 48 R 69 , 31 , 33.7	L	LWR 16378 1 + 1	107 2 OF	-1.79 0.08 13.8	L	0	203643	80:00	4	0	2	C = 143 B = 35 MN=	KAMSTEKER AC
"	"		α , , δ , , R , ,	L	SWP 20483 1 + 2	105 2 OF	-2.23 0.08 8.5	L	0	215956	228:00	3	0	1	SDE(1060-773)345FO C(1300)≈58 B≈27 C(1900)≈68 B≈45 MN=	"
FA153	HD 138749 2Z	B6Ve 4.2	α 15 , 30 , 54.7 δ 31 , 31 , 36 R 59 , 17 , 49	H	SWP 20485 1 + 3	568 67 VF	-1.35 0.08 8.8	L	0	022355 1	1:45	5	0	1	C = 215 B = 35 MN=	DOAZAN AC
"			α , , δ " , " , " R , ,	H	LWR 16379 1 + 4	557 60 OF	-1.33 0.08 12.5	L	0	022907	1:15	5	0	1	C ≈ 240 B ≈ 34 MN= /	"
"	HD200120 2Z	B1.5Ve 4.7	α 20 , 58 , 7.4 δ +47 , 19 , 30 R 343 , 55 , 48	H	SWP 20486 1 + 5	25522 530 OF	-1.35 0.08 8.8	L	0	030713	1:30	5	0	1	C = 218 B = 40 MN= /	"
"	"	"	α , , δ , , R , ,	H	LWR 16380 1 + 6	27308 500 OF	-1.35 0.08 12.8	L	0	033913	1:20	5	0	1	C = 232 B = 37 MN= 459	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 20 07 83 RAW TAPE D M: 20 july

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE1098	HD128220 16	SD O 8.5	α 14 , 32 , 56.6 δ +19 , 25 , 58 R 67 , 27 , 39.8	HI	SWP 20487 1 + 1	1360 5 FO	-1.09 .08 6.8	L	O	204440	40:00	5	O	1	MN= .	INNES CG
"	FEIGE 67 16	Sd O 11.9	α 12 , 39 , 21.6 δ 17 , 49 , 00 R 74 , 39 , 10.5	HI	SWP 20488 1 + 2	307 5 SO	-222 .08 7.2	L	O	22:12:30	180:00	5	O	2	MN=	"
"	HD 135485 21	B4.5 8.2	α 15 , 12 , 58 δ -14 , 30 , 30 R 73 , 14 , 52.4	hi	LWR 16393 1 + 3	1915 6 FO	-1.62 .08 12.2	L	O	01:40:02	50:00	5	O	3	MN=	"
"	HD128220 18	Sd O 8.5	α 14 , 32 , 56.6 δ +19 , 25 , 58 R 67 , 35 , 44.7	H	SWP 20489 1 + 4	1324 86 FO	-1.30 .08 8.2	L	O	02:58:12	40:00	5	O	1	MN= 805	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D M Y: 21 July 83 RAW TAPE D M: 21 July

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FS269	Uranus 03	solar 5.9	α 16 , 11 , 34.6 δ -21 , 01 , 04 R 79 , 29 , 32.7	L	SWP 20501 1 + 1	13910 60 FO	-.59 .08 8.5	L	O	20:55:13	60:00	3	O	1	Dg 26 MN= .	BUTTERWORTH cg
"	"	"	α , , δ " , " , " R , ,	L	SWP 20502 1 + 2	14337 45 FO	-.79 .08 9.2	L	O	22:26:49	210:00	5	1	2	Dg 34 MN=	"
"	"	"	α , , δ " , " , " R , ,	L	SWP 20503 1 + 3 FES 1959	14449 61 FO	-.21 .08 8.8	L	O	03:16:56	35:00 TOTAL = 385 min auth.	7	2	7	image not near invisible. Fes on/line. MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 22 M july Y 83 — RAW TAPE: D 22 M july

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FS269	Uranus 03	Solar 5.9	α 16 , 11 , 30.0 δ -21 , 00 , 54 R 79 , 29 17.6	L	SWP 20505 FES 1460 1 + 1	14456 56 FO	-.92 .08 7.2	L	O	20:47:27	all shift continued at Goddard	7	2	9	H/O with camera still erasing FES archived. MN=	BUTTERWORTH cg
			α , , δ , , R , ,		1 +					2	TOTAL TIME = 790 min auth				MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: 23 [illegible] 83 — RAW TAPE: [illegible]

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
																CATALANO
FC221	null 99		α , , δ , , R , ,		SWP 1952 1 + 1										MN=	cg
"	HD17138 30+44	A IV + G6 IV 7:	α 02 , 44 , 22.8 δ 69 , 25 , 33 R 269 , 00 , 39.6	L	LWP 1953 1 + 2	4121 34 206 FO	-1.61 -1.95 .08 6.1	L S	O O	21:00:54 21:07:15	3:0 3:0	8 6	1 1	2	MN=	"
"	HD17138 44	G6 IV 7.7	α , , δ " , " , " R , ,	L	SWP 20506 1 + 4	2707 75 FO	-1.87 .08 6.8	L	O	21:28:26	90:0	8	0	1	10× overexposed MN=	"
"	HD286734 46	K5 V 10.9	α 04 , 21 , 06.0 δ +13 , 56 , 00 R 285 , 00 , 12.9	L	LWP 1954 1 + 3	140 10 FO	-1.62 .08 7.5	L	O	00:36:46	65:00	3	3	2	bk_g = 20 max = 107 MN=	"
"	HD108570 44	G8 6.15	α 12 , 25 , 49.2 δ -56 , 07 , 41 R 57 , 47 , 10.5	H	LWP 1955 1 + 6	9158 28 FO	-2.21 .08 8.8	L	O	02:39:28	63:00	4	3	2	MN=	"
"	null 99		α , , δ , , R , ,		LWR 16418 1 + 5										MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 24 M July Y 83 RAW TAPE D 24 M July

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC221	HD125455 46	K0IV 7.55	α 14,16,59.8 δ −04,55,14.0 R 70,11,21.9	L	LWP 1956 1+1	2861 8 FO	−.95 −.08 6.8	L	0	203805	10:00	5	5	2	bkg = 33 C = 254 MN=	CATALANO cg
"	HD 267136 44	G3IV 8.09	α 04,11,32.2 δ +23,27,02 R 248,52,46.9	L	LWP 1957 1+2	1817 6 FO	−1.30 .08 7.8	L	0	22:00:37	8:00	6	5	2	bkg = 36 E = 225 MN=	"
"	HD 285690 46	K3 IV 9.6	α 04,15,27.8 δ +15,58,03 R 283,37,28.9	L	LWP 1958 1+3	446 3 FO	−1.85 .08 8.8	L	0	22:53:28	40:00	4	4	2	bkg = 35 C = 135 E = 145 MN=	"
"	HD27250 44	G9IV 8.63	α 04,16,02.1 δ 19,47,13 R 281,03,57.0	L	LWP 1959 1+4	1038 5 FO	−2.8 .08 9.2	L	0	001745	20:00	6	5	2	bkg = 35 E = 223 MN=	"
"	HD125595 46	K5IV 9.6	α 14,18,22.7 δ −40,08,52 R 75,17,259	L	LWP 1960 1+5	771 4 FO	−1.04 .08 9.2	L	0	065438	50:00	4	4	2	B = 83 E = 150 C = 144 MN=	"
"	HD121416 46	K0IV 5.78	α 13,53,12.8 δ −46,20,50 R 72,30,03.1	L	LWP 1961 1+7	11847 26 FO	−1.71 .08 9.8	L	0	032729	2:00	3	2	2	B = 39 C = 100 G = 59 MN=	"
"	NULL 99		α δ R		LWR 16427 1+6										MN=	"
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE 25 July 83 RAW TAPE 25 July

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE112	A1795 81	14.5	α 13,46,34.0 δ 26,50,28 R 75,13,46.8	L	SWP 20514 1+1	BO	−1.34 −.08 9.8	L	0	20:50:56	180:0	2	2	1	BO X −244 Y −247 ct 241 MN=	NORGAARD cg
"	"	"	α " δ " R "	L	SWP 20515 1+	BO	−1.34 .08 11.2	L	0	002436	203:0	2	3	2	BO X −245 Y −243 ct: 241 MN=	"
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE D 26 M J44 Y 83 RAW TAPE D 26 M J44

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC221	SAO 236033 46	KOV 9.5	α 8,28,20.3 δ -54,06,33 R 1,57,37.8	L	LWP 1968 1+1	484 2 F/o	-0.84 0.08 7.8	L	O	20:52:58	60:00	7	5	2	MN=	CATTALANO / DG.
"	HD139319 66	Ko III + A5 10.5	α 15,33,07.1 δ +64,04,22 R 65,25,33.0	L	SWP 20516 1+2	1440 F/o	-2.3 0.08 8.8	S L	O O	22:55:35 23:50:43	20:00 88:44	3 3	1 1	3 3	9.5 mag companion 3.6" away from binary with min. 10.5 mag MN=	"
	HD 284414 46		α 4,20,27.1 δ +49 -32 37 R 280,54,19.7	L	LWP 1969 1+4	539 4 F/o.	-1.38 0.08 9.2	L	O	02:07:53	35:00	4	4	3	Two objects in same image MN=	"
	HD 284253 46		α 4,13,35.3 δ +21,47,06 R 279,53,30.7	L	1+	685 62 F/o.	-1.73 0.08 9.5	S	O	02:56:34	45:00	3	3	3	MN=	
	NULL 99		α δ R		LWR 16442 1+3										MN=	—
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE 27 J44 83 RAW TAPE 27 J44

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA180	V348 SGR 20	B9 Ve 13.0	α 18,37,18.2 δ -22,57,19.4 R 93,15,8.7	L	LWR 16456 1+1	108 4 S0	0.52 0.08 14.5	L	O	20:36:51	95:00	3	0	5	GDE(313,1287 127 FO) MAIN= 98 MN=	CACCIARI DG + ee
"	"	"	α δ R	L	SWP 20520 1+2	104 5 S0	-.83 .08 8.5	L	O	22:15:38	240:00	3	0	1	GDE(S10,1143 140 FO) MN=	"
"	"	"	α δ R	L	LWR 16457 1+3	114 5 S0	+0.6 0.08 13.2	L	O	02:06:26	97:00	3	0	4	GDE(316,1284 120 FO) MN=	"
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE D 28 M Jul Y 83 RAW TAPE D 28 M Jul

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI066	V2051 OPH	CV 14·5	α 17,05,14·0 δ −25,44,38 R 87,16,26·3	L	SWP 20524 1+1	B0	−0·57 0·08 6·1	L	O	20:21:11	40:00	2	3	1	Guide (837,−279) ct = 146, F/O Bk=22, cont=39, E=63 MN=	HILL / DE
〃	〃	〃	α , , δ , , R , ,	L	LWR 16470 1+2	B0	−1·5 0·08 12·5	L	O	21:07:47	40:00	3	3	3	Guide (639,−139) ct = 138 F/O Bk = 87, cont = 80, E = 90 MN=	〃
〃	〃	〃	α , , δ , , R , ,	L	SWP 20525 1+3	B0	−1·6 0·08 7·2	L	O	21:51:15	180:00	3	4	1	Guide (836,−283) ct 146 F/O Bk=28, Cont=76, E=155 MN=	〃
〃	〃		α , , δ , , R , ,	L	LWR 16471 1+4	B0	−2·0 0·08 11·8	L	O	00:56:01	90:00	3	4	3	Guide (636,−142) ct 131 F/O bk. 48 cont=20 E=105 MN=	〃
〃	〃	〃	α , , δ , , R , ,	L	SWP 20526 1+5	B0	−0·9 0·08 6·8	L	O	02:30:39	78:00	3	3	1	Guide (837,−282) ct 158 F/O. bk=28 cont=52 E=82 MN=	〃
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 29 M Jul Y 83 RAW TAPE D 29 M Jul

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA027	SL119 28	sdB 13·5	α 22,59,12·0 δ −71,29,00 R 222,33,22·5	L	SWP 20538 1+1	58 1 S/O	−1·6 0·08 8·2	L	O	21:06:31	12:00	5	0	0	Guide (650,795) ct 91 S/O. Bk=20 cont=197 E= MN=	HEBER / DG
〃	〃	〃	α , , δ , , R , ,	L	LWR 16476 1+2	59 1 S/O	−0·89 0·10 12·5	L	O	21:30:08	17:00	4	0	2	Guide (449,884) ct = 61 S/O Bk=39 cont=176 E=0 MN= 860	〃
〃	SB 8 28	sdB 13·32	α 00,00,42·0 δ −23,56,00 R 274,30,26·8	L	SWP 20539 1+3	77 5 S/O	−1·4 0·08 7·8	L	O	22:53:01	18:00	5	0	1	Guide (621,−125) ct=763 F/O bk=24 cont=220 E=0 MN=	〃
〃	〃	〃	α , , δ , , R , ,	L	LWR 16477 1+4	72 1 S/O	−1·5 0·08 12·8	L	O	23:27:12	22:00	5	0	3	Guide (422,19) ct=765 F/O Bk=41 cont=201 E=0 MN=	〃
〃	SB 931 28	sdB 13·5	α 23,56,29·3 δ −26,55,30 R 271,21,39·4	L	SWP 20540 1+5	64 0 S/O	−1·7 0·08 7·8	L	O	00:13:16	22:00	7	0	0	Guide (14,194) ct = 113 F/O Bk = 20 c = 295 E=0 MN=	〃
〃	〃	〃	α , , δ , , R , ,	L	LWR 16478 1+6	65 2 S/O	−1·4 0·08 13·2	L	O	00:46:03	24:00	5	0	3	Guide (−180,335) ct=108 F/O Bk = 44 c = 200 E=0 MN=	〃
〃	〃	〃	α , , δ , , R , ,	L	SWP 20541 1+7	63 2 S/O	−1·0 0·08 8·2	L	O	01:14:50	15:00	5	0	0	Guide (13,188) ct=113 F/O Bk=20 c=245 E=0 MN=	〃
〃	SB 446 28	sdB 13·54	α 01,04,24·0 δ −33,38,00 R 274,35,47·2	L	LWR 16479 1+8	78 14 S/O	−1·5 0·08 13·2	L	O	02:12:39	20:00	4	0	3	Guide (174,188) ct = 152 F/O Bk = 41 c = 170 MN=	〃

OBSERVATORY LOG

DATE D 29 M JUL Y 83 RAW TAPE D 29 M JUL

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA027	SB446 28	SdB 13.54	α 01,04,24.0 δ -33,38,00 R 274,35,47.2	L	SWP 20542 1+9	62 3 S/O	-1.3 0.08 7.8	L	0	02:40:41	14:00	5	0	0	Guide (374,-6) ct = 147 F/O. BK = 20 C = 187 E = 0 MN=	HEBER/ DG.
"	SB744 28	SdB 12.34	α 01,46,25.3 δ -26, 51, 05 R 282, 12,	L	LWR 16480 1+10	176 2 S/O	-2.1 0.08 13.2	L	0	03:38:34	8:00	4	0	2	BK = 34 C = 140 No Warmup. MN= 539	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 30 JUL 83 RAW TAPE 30 JUL

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE700	SN EVANS 56	SN 12.0	α 13, 34, 01.7 δ -29, 38, 48 R 66, 11, 51.3	L	LWR 16485 1+1	267 13 S/O.	-0.9 0.08 12.5	L	0	20:46:33	180:00	3	0	5	Guide (863,-24) ct = 346 F/O. SAO 181791 m=9.0 BK=70 C=110 MN=	GRY/ DG
"	"	"	α , , δ , , R , ,	L	SWP 20546 1+2	260 6 S/O	-1.6 0.08 7.5	L	0	23:52:11	235:00	3	0	2	Guide (1065,-166) ct = 348 F/O BK=34, C=70 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										at 2950Å B = 47 C = 127 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 31 M JUL Y 83 RAW TAPE D 31 M JUL

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THOA	APERTURE	NR. SHOT.	G.H.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA627	LB 1516 28	SdB 13·0	α 22, 59, 12·0 δ -48, 16, 00 R 235, 31, 85	L	SWP 20556 1+1	107 2 S/O	-1·7 0·08 9·8	L	O	20:58:49	10:00	5	0	1	Guide = (256, -660) ct = 315 S/O B=21, C = 200, 5·0 MN=	HEBER / DG
"	"	"	α , , δ , , R , ,	L	LWR 16493 1+2	101 1 S/O	-1·9 0·08 14·2	L	O	21:24:43	4:00	5	0	2	No WARMUP B=38, C=190, 5·0 MN= NONE	"
"	JL236 28	SdB 13·45	α 01, 12, 00·0 δ -53, 00, 00 R 263, 48, 22·6	L	SWP 20557 1+3	80 4 S/O	-1·3 0·08 9·5	L	O	22:36:47	14:00	5	0	0	Guide (-556, 814) ct = 86, S/O B = 18, C = 200 MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 16494 1+4	73 3 S/O	-1·4 0·08 14·2	L	O	23:05:48	20:0	4	0	2	No WARMUP B=38 C: 180 MN=602+319	"
"	SB744 28	SdB 12·34	α 01, 46, 25·3 δ -26, 51, 05 R 281, 04, 01·5	L	SWP 20558 1+5	68 5 S/O	-0·7 0·08 9·2	L	O	00:01:42	8:00	5	0	1	Guide (843, -210) ct = 575 F/O B=21 C=220 MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 16495 1+6	172 5 S/O	-1·6 0·08 14·5	L	O	00:30:27	13:00	5	0	2	No WARMUP B=38, C=220 MN= 413	"
"	SB7 28	SdB 12·67	α 00 00, 48·0 δ -16, 37, 00 R 279, 53, 42·5	L	SWP 20559 1+7	136 1 S/O.	-1·7 0·08 9·2	L	O	01:20:09	9:00	5	0	1	Guide (1179, 890) ct = 357 S/O B=22 C=252 MN=	"
	"	"	α , , δ , , R	L	LWR 16496 1+8	132 1 S/O	-1·3 0·08 14·5	L	O	01:41:36	13:00	5	0	2	B = 39 C = 890	

OBSERVATORY LOG

DATE 31 JUL 83 RAW TAPE 31 JUL P 2

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THOA	APERTURE	NR. SHOT.	G.H.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA627	GD1110 28	SdB 12·95	α 23, 16, 49·0 δ -09, 09, 12 R 287, 53, 543	L	SWP 20560 1+9	107 4 S/O	-1·0 0·08 9·2	L	O	02:32:51	13:00	5	0	1	Guide (813, -1639) ct 159 F/O B: 22 C: 214 MN=	HEBER / DG.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 1 M AUG Y 83 RAW TAPE D 1 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA081	IC4634 70	PN. 12.3	α 16 ,58,34.0 δ -21 ,45, 12 R 83,14 ,27.8	L	LWR 16497 1+1	390 5 S/O	-1.7 0.94 12.5	L	O	18:22:07	15:00	3	1	3	tracks hit at ~ 2760 Å. MN=	Seaton/ AWH.
"	"	"	α " , " , " δ " , " , " R " , " , "		SWP 20578 1+2	395 4 S/O	-1.7 0.10 8.5	L	O	18:44:43	35:00	3	4	1	MN=	"
"	MI-26 70	PN 12.6	α 17 , 42.45.1 δ -30.10 , 53 R 95 , 41 , 35.3	L	LWR 16498 1+3	291 8 S/O	-0.89 0.12 13.2	L	O	19:46:49	200:00	6	1	5	MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	-	SWP 20579 1+4	75 1 F/O.	0.4 0.08 8.2	L	O	23:10:01	157:00	3	1	1	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 2 M AUG Y 83 RAW TAPE D 2 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA081	IC 2553 70	PN 15.4	α 10 , 07 , 47.2 δ -62 , 22 , 02.6 R 19 , 17 , 02.2	L	SWP 20589 1+1	120 0 F/O	-1.3 0.08 8.8	L	O	18:47:03	120:00	5	7	1	CIII 1909 Å HeII 1640 CIII 1549 all set. MN=	AWH for M. Seaton.
"	NOVA Musc. 55	NOVA 10.9	α 11 , 49 , 35.1 δ -66 , 55 , 43 R 42 , 42 , 09.2	L	LWR 16507 1+2	193 2/203 20 F/O	-1.7 -2.1 0.08 13.2	L O S		21:11:41 21:28:13	13:00 3:00	5 3	6 3	2	MgII 2800 set (LAP) MN= 753	"
"	"	"	α " , " , " δ " , " , " R " , " , "	"	SWP 20590 1+3	204 /201 F/O	-2.1 -1.3 0.08 9.2	L S	O	21:57:14 22:17:51	13:00 3:00	3 2	8 6	0	NIII(1750) set (LAP) MN=	"
"	BB-1 70	PN 14.0	α 0 , 34 , 44.9 δ -13 , 59 , 27.6 R 282, 08 , 01.3	L	SWP 20591 1+4	B.O	-0.7 0.08 9.2	L	O	23:46:20	120:00	3	7	1	GDE X=880 Y=948 CTS: 262 S/O. CIII 1909 set CIV 1549 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 3 M AUG Y 83 RAW TAPE D 3 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CIS ref. p. slot undow/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA083	#4-1	PN	α 12,57,02.8		SWP		-1.7									
	70	16.	δ +27,54,19.6	L	20599	B.O.	0.08	L	O	18:54:02	60:00	2	6	1	GDE X=1022 Y=970	AWH for M. Seaton.
			R 86,17,18.4		1+1		8.8								200 cts. s/o MN= 4 pix int CIE 1409	
"	"	"	α " , " , "		LWR		-2.0									
	"	"	δ " , " , "	"	16513	"	0.08	"	"	20:07:28	60:00	2	3	3	GDE X=824 Y=1111	
			R " , " , "		1+2		13.2								144 cts. s/o MN= CIE 65 DN above bg.	
"	NGC 1514	PN	α 04,06,08.3		LWR		-1.8									
	70	9.8	δ +30,38,43	L	16514	57 2 F/O	0.08	L	O	22:10:26	15:00	6	1	2		"
			R 276,39,16.5		1+3		14.2								MN=	
"	BB-1	PN	α 0,34,44.9		SWP		-1.5									
	70	14	δ -13,59,27.6	L	20600	B.O.	0.08	L	O	23:08:18	40:00	2	6	1	GDE X=877 Y=964	
			R 281,42,55		1+4		8.5								238 cts. s/o MN= 2 pix int CIE 1409	"
"	"	"	α " , " , "		LWR		-1.1									
	"	"	δ " , " , "	"	16575	"	0.08	"	"	23:53:11	113:00	3	4	4	GDE X=680. Y=1104	
			R " , " , "		1+5		14.2								190 cts. s/o MN= CIE 150 DN above bg.	"
			α , ,													
			δ , ,		1+											
			R , ,												MN=	
			α , ,													
			δ , ,		1+											
			R , ,												MN=	
			α , ,													
			δ , ,		1+											
			R , ,												MN=	

OBSERVATORY LOG

DATE 4 AUG 83 RAW TAPE 4 AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CIS ref. p. slot undow/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM 273	HD 142096	B3	α 15,50,25.6	H	SWP	23023	-1.82	S	O	19:04:11	7:40	6	0	1	GDE X=1464 Y=-367 350/50	PWA
	21	5.01	δ -20,01,09		20608	1422	.08									AT
			R 77,39,51.2		1+1	FO	9.5								MN=	
			α , ,	H	LWR	23906	-2.34	S	O	19:37:09	2:59	4	0	2		
			δ , ,		16521	1547	.08									
			R , ,		1+2	FO	13.8								MN=	
	HD 142883	B3	α 15,54,44.8	H	LWR	12878	-2.46	S	O	20:18:43	13:08	5	0	2	GDE X 0 Y -1121 327/50	
	21	5.86	δ -20,50,21		16522	1324	.08									
			R 78,14,42.6		1+3	FO	14.2								MN=	
			α , ,	H	SWP	12978	-2.46	S	O	20:35:21	21:10	6	0	0	GDE X 195 Y -1176 362/50	
			δ , ,		20609	1002	.08									
			R , ,		1+4	FO	9.2								MN=	
	HD 142165	B5	α 15,50,54.3	H	LWR	18127	-1.80	S	O	21:14:50	8:32	5	0	2	GDE X -164 Y -567 216/50	
	21	5.40	δ -24,23,08		16523	1396	.08									
			R 79,9,42.2		1+5	FO	14.5								MN=	
			α , ,	H	SWP	18469	-1.65	S	O	21:42:07	15:00	5	0	1	GDE X -769 Y -715 219/50	
			δ , ,		20610	1261	.08									
			R , ,		1+6	FO	9.5								MN=	
	HD 142114	B3	α 15,50,36.2	H	LWR	396	-1.53	S	O	22:21:14	2:17	5	0	2		
	21	4.59	δ -25,10,46		16524	125	.08									
			R 79,24,15.4		1+7	PU	14.5								MN=	
			α , ,	H	SWP	395	-1.62	S	O	22:48:18	3:36	5	0	1		
			δ , ,		20611	138	.08									
			R , ,		1+8	PU	9.5								MN=	

OBSERVATORY LOG

DATE (D M Y) 4 AUG 83 RAW TAPE (D M) 4 AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM 273	HD 141637 20	B1 4.63	α 15 , 47 , 57.9 δ -25 , 36 , 04 R 79 , 17 , 47.3	H	LWR 16525 1 + 9	360 123 FU	-1.40 .08 14.2	S	0	23:53:15	2:10	5	0	2	MN=	PWA AT
			α , , δ , , R , ,	H	SWP 20612 1 + 10	364 110 FU	-1.37 .08 9.5	S	0	23:57:55	3:32	6	0	0	MN=	
	HD 142669	B2 3.88	α 15 , 53 , 47.5 δ -29 , 4 , 10 R 81 , 6 , 15.6	H	LWR 16526 1 + 11	768 228 FU	-1.37 .08 14.2	S	0	01:02:00	00:36	5	0	2	MN=	
			α , , δ , , R , ,	H	SWP 20613 1 + 12	771 220 FU	-1.37 .08 9.2	S	0	01:05:46	1:02	6	0	1	MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE 5 AUG 83 RAW TAPE 5 AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FETOO 56	SN in 5183	type I 12.4	α 13 , 34 , 01.7 δ -29 , 38 , 48 R 64 , 23 , 11.0	L	LWR 16534 1 + 1	190 9 SO	-.65 .16 14.5	L	0	18:37:55	215:00	3	0	8	MN=	GRY + VAFISTEKER / " + "
"	"	"	α , , δ " , " , " R , ,	L	SWP 20620 1 + 2	181 15 SO	-1.33 .08 9.2	L	0	22:16:08	212/0	2	0	1	1300 {C = 40, B = 31} 1300 {C = 65, B = 44} MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 6 M AUG Y 83 RAW TAPE D 6 M AUG

DISPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmss	CONTIN.	SPL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
E 56	ROB 162 16	0 13.24	α 17 , 36 , 34.3 δ -53 , 36 , 57 R 112 , 15 , 02.4	H	SWP 20630 1 + 1	109 30 50	-.45 .08 9.5	L	0	19:01:08	406:00	3	0	3	60E X -425 Y 396 555/50	CALOI
			α , , δ , , R , ,		1 +										MN=	AT
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE 7 AUG 83 RAW TAPE 7 AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 155	NGC 6266 83	F8 6.5	α 16 . 58 , 6 δ -30 , 3 , 0 R 88 , 28 , 21.3	L	SWP 20634 1 + 1	402 140 Fo	-47 .08 9.8	L	0	19:04:53	402:00	3	0	3	6DE 726 / -125 150/Fo MN=	CAL01 AT
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 8 M AUG Y 83 RAW TAPE D 8 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undow/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 152	HD 138749 21	B5 4.1	α 15 , 30 , 54.7 δ 31 , 31 , 36 R 73 , 28 , 7.3	H	SWP 20640 1+1	587 65 FU	-.66 .08 10.5	L	O	18:39:14	1:45	5	0	0	MN=	TALAVERA A.T.
	HD 20920 20	B1 4.5	α 20 , 58 , 07.4 δ 47 , 19 , 30 R 3 , 21 , 12.5	H	SWP 20641 1+2	25167 166 FO	-2.31 .08 10.2	L	O	19:24:30	1:30	5	0	0	MN=	
	HD 5394 20	Bϕ 2.4	α 00 , 53 , 40.3 δ 60 , 26 , 47 R 307 , 29 , 17.4	H	SWP 20642 1+3	3452 512 FU	-1.96 .08 10.2	L	O	20:05:50	0:08	5	0	0	MN=	
FC ϕ29	HD 31964 40	Fϕ(+B?) 4.0	α 4 , 58 , 22.0 δ 43 , 45 , 5 R 263 , 29 , 4.6	L	LWR 16551 1+4	707 110 FU	-1.22 .08 13.8	L	O	20:47:20	0:27	6	0	2	MN=	FERLUGA AT
			α , , δ , , R , ,	L	SWP 20643 1+5	694 156 FU	-1.22 .08 10.2	L	O	20:54:00	33:00	7	3	0	GOE X 363 Y -835 629/FO SATURATED λ>1700 Å MN=	
			α , , δ , , R , ,	L	LWR 16552 1+6	713 101 FU	-1.99 .08 14.2	L	O	21:31:15	4:30	7	0	2	GOE X 316 Y -685 593/FO	
			α , , δ , , R , ,	L	SWP 20644 1+7	702 130 FU	-1.90 .08 10.5	L	O	22:29:09	4:30	5	0	0	LAP Good λ>1700Å MN=	
			α , , δ , , R , ,	H	LWR 16553 1+8	707 118 FU	-.60 .08 14.5	L	O	23:22:50	15:00	5	0	2	MN=	

OBSERVATORY LOG

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PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	PES CTS / ref. p. / slot undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI TOO	NOVA MUSCAE 55	NOVA 10.7	α 11 , 49 , 35 δ -66 , 55 , 43 R 37 , 42 , 19.5	L	SWP 20645 1 + 8	193 2 OF	-1.34 0.08 10.2	L S	O	003459 005215	14:00 2:00	3 0	7 5	0	GPE (909, -903) MN=	CASSATELLA AT / AC
			α , , δ , , R , ,	H	LWR 16554 1 + 9	186 2. OF	-1.00 0.08 14.8	L	O	005808	21:00	0	3	1	MgII 70 BKG = 27 MN=	
			α , , δ , , R , ,	H	SWP 20646 1 + 10	186 ? OF	-1.0 0.08 10.5	L	O	01:26:33	20:00	0	3	1	MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 09 M Aug Y 83 RAW TAPE D 9 M Aug

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 156	NGC6266 83	F8 6.59	α 16, 58, 06 δ −30, 02, 00 R 88, 8, 198	L	LWR 16559 1+ 1	396 159 oV/F	−.82 .08 15.2	L	O	18/35/58	300/0	5	0	8	MN=	calvi Falluccio WW.
"	Null		α , , δ , , R , ,	H	SWP 20651 1+ 2		−1.87 .08 8.8			19/41/31	230/0	1	1	1	Serendipity MN=	" "
"	NGC6205 83	F5 5.8	α 16, 39, 54 δ 36, 22, 00 R 64, 21, 14	L	LWR 16560 1+ 4	187 168 oV/F	−1.14 .08 15.2	L	O	00/24/55	78/0	3	0	3	for X=297 Y=−730 R MN=	"
	NGC6205		α 16, 39, 54 δ +36, 33, 00 R 64, 21, 14		FES 1461 1+ 3										MN=	" "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATION LOG

DATE 10 Aug 83 RAW TAPE 10 Aug

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE257	NGC 7469 84	13.2	α 23, 00, 44.4 δ 8, 36, 18 R 313, 39, 12	L	LWR 16568 1 + 1	86 9 S/OV	-2.03 .08 14.5	L	O	18/58/27	95/0	5	6	4	X -1163 Y 671 749 FO 90E MN=	WAMSTEKER WW
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	L	SWP 20659 1 + 2	88 10 S/OV	-1.14 .08 8.2	L	O	20/38/58	150/0	3	5	1	X -960 Y 525 810 FO MN=	〃 〃
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	L	LWR 16569 1 + 3	97 9 S/OV	-.93 .08 14.5	L	O	23/13/02	150/0	5	7	5	Mg II Saturated MN=	〃 〃
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 11 M Aug Y 83 RAW TAPE D 11 M Aug

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI041	V3885 Sgr 63	Bo 10.3	α 19,44,13 δ −42, 7,26 R 134,28,54	L	SWP 20663 1+1	264 2 OV/F	−1.77 0.10 8.8	L	O	18/59/00	05/30	5	0	0		Peacock
"	"	"	α , , δ 4 , 4 , 11 R , ,	L	LWR 16575 1+2	251 OV/F	−1.77 .08 7.8	L	O	19/07/58	03/45	5	0	2	MN=	WW.
"			α , , δ , , R , ,	H	SWP 20664 1+3	264 1 OV/F	−2.24 9.2	L	O	19/38/12	300/0	5	0	3	MN=	"
"	W Ser 66	F5eIb 9.4	α 18, 6, 58 δ −15, 33, 37 R 83, 19, 22	L	SWP 20665 1+	714 3 OV/F	−1.61 .08 9.5	L	O	1/21/10	27/0	3	4	1	MN=	"
			α , , δ , , R , ,		1+										MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 12 M Aug Y 83 RAW TAPE D 17 M Aug

POSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CΦ41	W CRU 66	G1eIb 9.2	α 12,09,20.0 δ −58, 30, 18 R 39, 48, 41.7	H	SWP 20667 1+1	1530 8 FO	−1.50 0.08 8.5	L	O	18 3850	423:00	2	3	6	1548 cts at 22:16 1549 cts at 01:48 SUM NET DN ~ 20 MN=	DEECHCEL
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 13 M AUG Y 83 — RAW TAPE: D 13 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 105	NGC 2018 83	Gl.Cl. 11.6	α 5, 31, 20 δ -71, 07, 0 R 303, 20, 27	L	SWP 20681 1 + 2	373 30 SO	-1.57 0.08 9.5	L	O	183548	20:00	7	0	1	GDE(75,121)133 OF ~good λ < 1240 1480 < λ < 1610 MN=	CASSATELLA
"	"	"	α , , δ , , R , ,		FES 1462 1 + 1										5 kb	AC
"	"	"	α , , δ , , R , ,	L	LWR 16580 1 + 3	86 13 FO	-1.18 0.08 13.8	L	O	190031	15:00	6	0	1	MN= GDE(-123,565) 30 pix sat 1500 < λ < 2850	
"	"	"	α , , δ , , R , ,	L	SWP 20682 1 + 4	369 14 OF	-1.18 0.08 9.8	L	O	192935	13:00	5	0	1	MN= C = 254 B = 18	
"	NGC 2214 83	Gl.Cl. 12.6	α 6, 13, 01. δ -68, 16, 0 R 312, 57, 58.9	L	LWR 16581 1 + 6	147 46 OS	-1.53 0.08 14.2	L	O	201617	22:00	3	0	1	MN= C = 99 B = 30 EXTENDED (3*) GDE(-843,-532)317 MN= 50	
"			α , , δ , , R , ,		FES 1463 1 + 5											
"			α , , δ , , R , ,		SWP 20683 1 + 7	148 75 OS	-1.09 0.08 9.8	L	O	204544	50:00	3	0	1	MN= C = 110 B = 27 EXTEND	
"	NGC 1968 83	Gl.Cl.	α 5, 27, 15 δ -67, 28, 0 R 302, 23, 15.2	L	LWR 16582 1 + 8	118 OS	-1.43 0.08 14.2	L	O	220528	25:00	4	0	1	MN= GDE(-560,-1050)195 FO C = 170 B = [illegible]	

OBSERVATORY LOG

DATE: D 13 M AUG Y 83 — RAW TAPE: D 13 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE105	NGC 1968 83	Gl.Cl. 12.9	α 5, 27, 15 δ -67, 28, 0 R 302, 23, 15.2	L	SWP 20684 1 + 11	118 / OS	-1.44 0.08 9.8	L	O	224025	30:00	5	0	1	C = 221 B = 19 Faint contam. on edge opposite to SAMN=	CASSATELLA AC
			α , , δ , , R , ,		FES 1464 1 + 9		-1.0 0.08	L	O	234241					FES CAM, O 5KB	
			α , , δ , , R , ,		FES 1465 1 + 10											
"	NGC 1974 83	Gl.Cl. 12.9	α 5, 27, 36.8 δ -67, 25, 59 R 302, 23, 15.2	L	LWR 16583 1 + 12	114 - OS	-1.00 0.08 14.5	L	O	234241	40:00	6	0	1	GDE(-381,-408) 88FO faint comp. at top double spectr. C = 7 pix sat MN=	
"	"	"	α , , δ , , R , ,	L	SWP 20685 1 + 13	114 / OS	-1.00 0.08 9.8	L	O	002808	30:00	6	0	1	double spectrum MN=	
"	NGC 2164 83	Gl.Cl. 11.7	α 05, 58, 56.0 δ -63 (-68), 31, 00 R. appr. ,	L	LWR 16584 1 + 14	341 52 OS	-0.26 0.08 15.2	L	O	011736	20:00	4	0	2	C = 129 B = 30 EXTENDED MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 14 M AUG Y 83 RAW TAPE D 14 M AUG

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM004	HD 217312 20	B0V 7.4	α 22, 56, 41 δ +62, 48, 32 R 339, 26, 31.2	H	LWR 16594 1+1	3359 12 OF	-1.18 0.08 14.8	L	O	184443	55:00	5	0	3	C = 240 B = 47 MN=	KELSH AC
"	"	"	α , , δ , , R , ,	H	SWP 20695 1+2	3207 12 OF	-025 0.08 9.5	L	O	19:45:30	1 00:00	4	0	2	C = 190 B = 51 MN=	
	HD 217035 20	B0V 7.8	α 22, 54, 33 δ +62, 36, 04 R , ,	H	LWR 16595 1+3	2413 13 OF	-1.87 0.08 14.5	L	O	213803	75:00	4	0	3	C = 195 B = 45 MN=	
	"	"	α , , δ , , R , ,	H	SWP 20696 1+4	2400 6 OF	-1.13 008 9.8	L	O	225600	171:00	5	0	2	C = 210 B = 60 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 15 M AUG Y 83 RAW TAPE D 15 M AUG

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI101	HD31964 33	A8I 4.0	α 4, 58, 27.5 δ 43, 45, 5 R 266, 29, 46.4	H	LWR 16602 1+1	692 184 UF	-0.95 0.08 12.8	L	O	183648	20:00	6	0	2	some pix sat. (~10) MN=	STICKLAND AC
"	"	"	α , , δ , , R , ,	L	SWP 20701 1+2	703 88 UF	-0.86 0.08 98	L	O	190110	20:00	7	3	1	XSPREP overexp λ > 1725 E = 52 B = 13 MN=	
"	"	"	α , , δ , , R , ,	H	LWR 16603 1+3	679 148 UF	-078 0.08 13.8	L	O	193127	120:00	7	7	5	B = 65 MN=	
"	"	"	α , , δ , , R , ,	H	SWP 20702 1+4	695 110 UF	-0.70 0.08 10.2	L	O	213600	120:00	5	2	1	C ≅ 210 B ~ 45 MN=	
"	"	"	α , , δ , , R , ,	L	LWR 16604 1+5	687 159/1 UF	-1.38 0.08 15.2	L	O	234026 234357	0:25 10:0	6	0	2	2 pix satur - ~ 200 DN overexp λ > 2400 B = 31 MN=	
			α , , δ , , R , ,	L	SWP 20703 1+6	689 104 UF	-0.53 0.08 11.5	L	O	002426 014153	67:00 6:00	7	0	1	E = 143 B > 23 C ~ 180 λ < 1500 C = 90 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 16 M AUG Y 83 RAW TAPE D 16 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BIN THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PA. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI176	3C120 84	Seyf. 14.4	α 4,30,31.6 δ 5,15,00 R283,4,19	L	SWP 20705 1+1	b.o.	-2.8 0.08 10.5	L	O	182640	270:00	3	4	2	GDE(829,810) 260 CTS SLOW TARGET 30 CTS (5,9) MN=	TREVES AC
"	"	"	α , , δ , , R , ,	L	LWR 16609 1+2	6.0	-1.73 0.08 15.2	L	O	231933	144:00	3	4	5	GDE(629,949) MN=	4
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE RAW TAPE

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BIN THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PA. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE176	NULL 99		α 15,14,48.7 δ -24,14,44.5 R74,35,14.7		LWR 16613 1+1							0	0	0	MN=	TREVES CG
"	Aplib 87	BLLac 15.7	α 15,14,45.3 δ -28,11,22.3 R74,35,36.9	L	LWR 16614 1+2	BO	-.79 .08 15.5	L	O	19:0039	403:0	3	1	9	g=de) X=670 Y=48 ct=379 f0 DN=50 MN=	11
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 18 M Aug Y 83 — RAN TAPE D 18 M Aug

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAN T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS ENC THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE100	SN in M83 56	type I 12.9	α 13,34,01.7 δ -29,38,48 R 60,07,47.3	L	LWR 16623 1+1	119 17 SO	2.08 .08 14.5	L	C	19:39:56	363.0	9	1	9	PNT = 11850 guide: B66 at: 360 FO MN= 805	gmg
			α , , δ , , R , ,		1+										C: 160 B: 107 at 2350 Å C = 140 B = 65 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 13 M Aug Y 83 — RAN TAPE D 18 M Aug

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAN T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS ENC THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
F1158	HD 60753 21	B3 III 6.7	α 07,32,08.1 δ -50,28,29 R 323,39,09.2	L	SWP 20717 1+1	6925 13 FO	-1.64 .08 10.8	L	O	18:47:27	0:10	5	0	1	MN=	COE / GRY
"	HD 77581 59	7.0	α 09,00,13.2 δ -40,21,25 R 344,27,08.4	L	SWP 20718 1+2	4986 17 FO	-1.58 .08 10.8	L	O	19:33:00	11:45	5	0	1	trail: 2 in same direction: rate = 0.0567"/hr MN=	"
"	HD102567 59	9.0	α 11,45,33.6 δ -61,55,44 R 28,11,58.6	L	SWP 20719 1+3	853 5 FO	-1.81 .08 11.2	L	O	20:47:35	6:04	5	0	0	trail: 1 at rate 0.0550"/hr MN=	"
"	"	"	α , , δ " , " , " R , ,	L	LWR 16626 1+4	870 6 FO	-1.81 .08 14.5	L	O	21:06:44	3:10	7	0	2	MN= 845	"
"	WRA977 59	10.8	α 12,23,49.7 δ -62,29,37 R 37,15,56.4	L	SWP 20720 1+5	187 3 FO	-1.81 .08 11.2	L	O	21:47:27	60:00	1	0	1	MN=	"
"	HD60753 21	B3 III 6.7	α 07,32,08.1 δ -50,28,29 R 323,39,09.2	L	SWP 20721 1+6	6911 44 FO	-1.13 .08 11.5	L	O	23:29:11	D:10	5	0	0	MN=	"
"	χ Per 59	6.0	α 03,52,15.1 δ +50,54,01 R 281,09,35.7	L	SWP 20722 1+7	8231 23 FO	-1.57 .08 11.5	L	O	00:14:31	1:23	6	0	0	trail: 1 at rate 0.2398"/hr MN=	"
"	"	"	α , , δ " , " , " R , ,	L	SWP 20723 1+8	8751 20 FO	-1.22 .08 11.5	L	O	00:51:35	1:07	5	0	0	trail: 1 at rate 0.2998"/hr MN=	"

OBSERVATORY LOG

DATE D 19 M aug Y 83 RAW TAPE D 19 M aug

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. / slot / undov/f.s	FOCUS BKG / THDA	APERTURE	AP. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI 158	XPer 59	6.0	α 03,52,15.1 δ +30,54,01 R 281,09.357	L	SWP 20726 1+9	8419 19 FO	-1.65 .08 12.5	L	0	01:28:39	1:07	5	0	0	trail : 1 at rate 0.2998"/mn MN=	COE/ GRY
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. / slot / undov/f.s	FOCUS BKG / THDA	APERTURE	AP. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 179	HD 40932 30	A2 V 4.12	α 5h,59m,11.9 δ +9°,38',54.3 R 338°,54',41.3	L	SWP 20732 1+1	564 50/241 FU	-1.57 .08 10.5	L S	0 0	18:54:01 19:00:46	0:51 0:50	5 6	0 0	0	TRAILED LAP R = 0.191 1 PASS SAP: ~ 35 pk sat. MN=	A. HECK A.H.
"	"	"	α , , δ , , R , ,	L	LWR 16631 1+2	560 65/250	-2.20 .08 15.2	L S	0 0	19:04:58 19:09:59	0:16 0:18	5 7	0 0	2	TRAILED LAP R = 1.250 1 PASS SAP: ~ 100 pk sat. MN=	"
"	HD 65456 30	A2 V 4.79	α 7h,52m,40.4 δ -30°,11',56.3 R 321°,27',0.6	L	SWP 20733 1+3	86080 70/2079 FO	-1.83 .08 10.5	L S	0 0	20:19:38 20:30:24	2:40 3:00	5 6	0 0	0	TRAILED LAP R = 0.125 1 PASS SAP: ~ 70 pk sat. MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 16632 1+4	25800 74/1800 FO	-1.74 .08 15.2	L S	0 0	20:11:54 20:43:09	0:32 0:50	4 5	0 0	2	TRAILED LAP R = 0.625 1 PASS MN=	"
"	HD 11031 30	A3 V 5.82	α 1h,46m,8.6 δ 43°,38',58.1 R 302°,59',0.7	L	SWP 20734 1+5	10124 560 FO	-1.75 .08 10.5	L	0	21:58:15	2:01	5	0	0	TRAILED R = .11 1 PASS MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 16633 1+6	10115 580 FO	-1.31 .08 15.2	L	0	22:55:43	1:06	5	0	2	TRAILED R = .3 1 PASS MN=	"
"	HD 17138 30	A3 V "	α 2h,44m,22.8 δ +69°,25',38.9 R 291°,8',35.9	L	SWP 20735 1+7	8982 33 FO	-.20 .08 10.5	L	0	23:34:16	1:00	5	0	0	MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 16634 1+8	90 90 40 FO	-.98 .08 15.2	L	0	23:38:45	1:17	5	0	2	TRAILED R = .26 1 PASS MN=	"

OBSERVATORY LOG

DATE D 21 M AUG Y 83 RAW TAPE D 20 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PA179	HD 6619 30	A1V C.61	α 1h, 4m, 6.3 δ -35°, 55', 40" R253°, 9', 4."1	L	SWP 20736 1+9	7137 19 F0	-2.11 .08 10.5	L	0	00151:58	2:25	5	0	0	MN=	A. HECK A. H.
"	"	"	α , , δ , " , R , ,	L	LWR 16625 1+10	6770 72. F0	-2.31 .08 —	L	0	01:02:25	2:30	5	0	2	TRAILED R=.133 1PASS MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 21 M AUG Y 83 RAW TAPE D 21 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM167	AG CAR 23	B0Iae 6.5	α 10, 54, 11.0 δ -60, 11, 10.8 R13°, 58, 53.5	H	SWP 20742 1+1	4566 43 F0	-1.31 .08 9.8	L	0	18:59:10	180:00	5	7	2	MN=	CASSATELLA CG
"	HDE 316285 26	Be 9.63	α 17, 45, 04.8 δ -27, 59, 55 R 91, 02, 43.8	L	SWP 20743 1+2	990 4 F0	-1.44 .08 10.8	L S	0	22:45:57 23:19:28	30:00 15:00	1	1	2	wrong star? MN=	"
"	"	"	α , , δ " , " , " R , ,	L	LWR 16639 1+3	980 4 F0	-.78 .08 14.2	L S	0	23:37:55	10:00	3	1	1	MN=	"
FI076 *	TCB 63	10.5	α 15, 57, 24.5 δ 26, 03, 39.0 R 79, 18, 41.6	L	SWP 20744 1+4	353 3 F0	-2.12 .08 10.5	L	0	00:44:36	35:0	3	5	1	MN=	CASSATELLA CG
"	"	"	α , , δ " , " , " R , ,	L	LWR 16640 1+5	366 2 F0	-1.63 .08 14.3	L	0	01:23:27	25:0	4	5	2	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 22 M aug Y 83 RAW TAPE D 22 M aug

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE182	NGC5236 80	11	α 13,34,12 δ -29,36,40 R 58,45,58.3	H	LWR 16646 1+1	115 25 F0	-1.85 .08 15.2	L	O	18:38:00	425:04	1	9		B=121 MN=	BLADES cg.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 23 M aug Y 83 RAW TAPE D 23 M aug

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI 146	HD 174237 26	B2.5Ve 5.8	α 18,45,36.0 δ +52,55,56 R 50,30,43.7	H	SWP 20757 1+1	12641 76 f.o.	-1.41 0.08 10.8	L	O	18:33:44	5:00	5	1	2	MN=	KOUBSKY / P.R.
	"	"	α " δ " R "	H	LWR 16651 1+2	12645 31 f.o.	-1.85 0.08 14.8	L	O	18:55:44	3:30	5	1	1	MN=	" / "
	"	"	α " δ " R "	H	SWP 20758 1+1	12711 35 f.o.	-1.50 0.08 10.8	L	O	19:22:38	10:00	7	1	1	MN=	" / "
	RS VUL 26	B5V+A2 7.0	α 19,15,32 δ 22,21,01 R 55,27,5.6	H	LWR 16652 1+4	5698 12 f.o.	-1.18 0.08 15.2	L	O	20:27:31	22:00	5	1	1	MN=	" / "
	"	"	α " δ " R "	H	SWP 20759 1+5	5845 20 f.o.	-1.22 0.08 10.5	L	O	20:53:31	45:00	5	1	1	MN=	" / "
	96 HER 21	B3V 5.3	α 18,00,15 δ 20,49,55 R 67,47,44.2	H	LWR 16653 1+6	20602 56 f.o.	-.57 0.08 15.5	L	O	21:59:32	02:30	5	1	1	MN=	" / "
	"	"	α " δ " R "	H	SWP 20760 1+7	21856 69 f.o.	-.26 0.08 10.8	L	O	22:27:32	03:20	5	1	1	MN=	" / "
	HD 174237 26	B2.5Ve 5.8	α 18,45,36.0 δ +52,55,56 R 50,42,55.3	H	SWP 20761 1+.	12743 45 f.o.	-2.35 0.08 12.2	L	O	23:46:35	05:00	5	1	1	MN=	" / "

OBSERVATORY LOG

DATE D 23 M AUG Y 83 — RAW TAPE D 23 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI 146	HD 176237 26	~~B9~~ B2.5Ve 5.8	α 18 , 45 , 36.0 δ +52 , 55 , 56 R 50 , 42 , 55.3	H	LWR 16656 1+	12776 31 f.0.	−2.55 0.08 15.5	L	0	23:56:39	3:30	5	1	1	MN=	KOUBSKY / P.B.
"	"	"	α , , δ , , R , ,	H	SWP 20762 1+	12724 47 f.0.	−1.96 0.08 11.8	L	0	00:20:27	10:00	7	1	1	MN=	" / "
"	"	"	α , , δ , , R , ,	H	SWP 20763 1+	13169 49 f.0	−1.96 0.08 11.5	L	0	01:11:24	5:00	5	1	1	MN=	" / "
"	"	"	α , , δ , , R , ,	H	LWR 16655 1+	12905 34 f.0	−1.96 0.08 15.5	L	0	01:21:57	3:30	5	1	1	MN=	" / "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE 24 AUG 83 — RAW TAPE 24 AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI 146	HD 176237 26	B2.5Ve 5.8	α 18 , 45 , 36 δ 52 , 55 , 56 R 51 , 28 , 50.1	H	SWP 20774 1+1	12878 39 f.0	−2.5 0.08 10.8	L	0	18:37:57	5:00	5	1	1	MN=	KOUBSKY / P.B.
"	"	"	α , , δ , , R , ,	H	LWR 16659 1+2	12947 130 f.0	−1.3 0.08 15.2	L	0	18:47:41	3:30	5	1	2	MN=	" / "
"	"	"	α , , δ , , R , ,	H	SWP 20775 1+3	13175 28 f.0.	−1.37 0.08 11.2	L	0	19:11:56	10:00	7	1	1	MN=	" / "
"	RS VUL 26	B5V, A2 7.0	α 19 , 15 , 32 δ 22 , 21 , 01 R 56 , 27 , 53.2	H	LWR 16660 1+4	5919 21 f.0.	−1.41 0.08 15.5	L	0	20:08:48	22:00	5	1	2	MN=	" / "
"	"	"	α , , δ , , R , ,	H	SWP 20776 1+5	5946 10 f.0.	−1.09 0.08 15.5	L	0	20:34:11	45:00	5	1	1	MN=	" / "
"	96 HER 21	B3V 5.3	α 18 , 00 , 55 δ 20 , 49 , 55 R 68 , 33 , 19	H	LWR 16661 1+6	20190 62 f.0.	−1.78 0.08 15.5	L	0	21:47:35	2:10	5	1	2	MN=	" / "
"	HD 176237 26	B2.5Ve 5.8	α 18 , 45 , 36 δ 52 , 55 , 56 R 51 , 38 , 44.6	H	SWP 20777 1+7	12819 28 f.0.	−1.43 0.08 10.8	L	0	22:16:32	5:00	5	1	1	MN=	" / "
"	"	"	α , , δ , , R , ,	H	LWR 16662 1+8	13239 29 f.0.	−1.44 0.08 15.5	L	0	22:49:34	3:30	5	1	2	MN=	" / "

OBSERVATORY LOG

DATE D 24 M AUG Y 83 RAW TAPE D 26 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	SPL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI 146	HD 174237 26	B2.5Ve 5.8	α 18, 45, 36 δ 52, 55, 56 R 51, 38, 46.6	H	SWP 20778 1+9	12965 47 f.o.	-1.70 0.08 10.8	L	0	23:15:45	10:00	7	1	1	MN=	KOUBSKY P.B.
"	"	"	α , , δ , , R , ,	L	SWP 20779 1+10	14000 44 f.o	-1.13 0.08 10.8	L	0	00:06:22	00:05	5	1	1	MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 16663 1+11	13036 49 f.o.	-1.13 0.08 15.5	L	0	00:09:52	00:03.5	5	1	2	MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 20780 1+	14253 43 f.o.	-1.13 0.08 10.5	L	0	01:01:18	05:00	5	1	1	MN=	"
"	"	"	α , , δ , , R , ,	H	LWR 16664 1+	13496 40 f.o	-.75 0.08 15.5	L	0	01:09:58	03:30	5	1	2	MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 20781 1+	13499 46 f.o.	-1.18 0.08 10.5	L	0	01:35:47	10:00	7	1	1	MN=	"
"	"	"	α , , δ , , R , ,		1+										MN=	
"	"	"	α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 25 M AUG Y 83 RAW TAPE D 27 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T: hh:mm:ss	DURATION mm:ss	CONTIN.	SPL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI 146	HD 174237 26	B2.5Ve 5.8	α 18, 45, 36 δ 52, 55, 56 R 52, 57, 41	H	SWP 20794 1+1	13244 39 f.o.	-1.56 0.08 11.2	L	0	18:31:06	05:00	5	1	1	MN=	KOUBSKY P.B.
"	"	"	α , , δ , , R , ,	H	LWR 16667 1+3	13244 36 f.o.	-1.56 0.07 15.8	L	0	18:46:27	03:30	5	1	2	MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 20795 1+4	13144 39 f.o.	-1.22 0.08 11.2	L	0	19:12:17	10:00	7	1	1	MN=	"
"	RS VUL 26	B5V+A2 7.0	α 19, 15, 32 δ 22, 21, 01 R 57, 28, 29.8	H	LWR 16668 1+5	5906 20 f.o.	-.55 0.08 15.2	L	0	20:15:36	22:00	5	1	2	MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 20796 1+6	5947 24 f.o.	-.66 0.08 10.8	L	0	20:44:16	45:00	5	1	1	MN=	"
"	96 HER 24	B3V 5.3	α 18, 00, 15 δ 20, 49, 55 R 61, 19, 31	H	LWR 16669 1+7	21143 60 f.o.	-.87 0.08 15.5	L	0	21:46:16	02:20	5	1	2	MN=	"
"	HD 174237	B2.5Ve 5.8	α 18, 45, 36 δ 52, 55, 56 R 52, 37, 18.7	H	SWP 20797 1+8	13536 45 f.o.	-.82 0.08 10.8	L	0	22:27:44	05:00	5	1	1	MN=	"
"	"	"	α , , δ , , R , ,	H	LWR 16670 1+10	13652 21 f.o.	-.82 0.08 15.2	L	0	22:57:27	03:30	5	1	2	MN=	"

OBSERVATORY LOG

DATE: D 25 M AUG Y 83 RAW TAPE D 25 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI146	HD 174237 26	B2.5Ve 5.8	α 18, 45, 36 δ 52, 55, 56 R 52, 37, 18.7	H	SWP 20738 1+11	13769 47 f.o.	-.82 0.08 10.8	L	O	23:31:14	10:00	7	1	1	MN=	KOUBSKY P.R.
"	"	"	α , , δ , , R , ,	L	SWP 20799 1+12	13829 39 f.o.	-.52 0.08 10.8	L	O	00:21:49	00:05	5	1	1	MN=	" "
"	"	"	α , , δ , , R , ,	L	LWR 16671 1+13	13881 52 f.o.	-.52 0.09 15.5	L	O	00:25:19	00:035	5	1	2	MN=	" "
"	"	"	α , , δ , , R , ,	H	SWP 20800 1+14	13980 52 f.o.	-.61 0.08 10.8	L	O	00:48:48	05:00	5	1	1	MN=	" "
"	"	"	α , , δ , , R , ,	H	LWR 16672 1+15	13514 34 f.o.	-1.48 0.08 15.2	L	O	01:20:53	03:30	5	1	2	MN=	" "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 26 M AUG Y 83 RAW TAPE D 26 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI095	A0538-66 59	B 14.5	α 5, 35, 42.8 δ -66, 53, 40 R 291, 56, 4.1	L	LWR 16676 1+1	B/O	-1.16 .08 15.2	L	O	18:56:00	60:00	3	0	3	GDE(406, -657 157 FO) MN=	I. HOWARTH ec
"	"	"	α , , δ , , R , ,	L	SWP 20812 1+2	B/O	-1.16 .08 10.2	L	O	20:01:34	120:00	3	5	1	GDE(603, -798 152 FO) MN=	"
"	HD 128220B 16	Sd0 8	α 14, 32, 56.6 δ 19, 25, 58 R 88, 13, 41.2	H	SWP 20813 1+3	1339 4 FO	-1.18 .08 11.2	L	O	22:54:11	35:00	5	0	1	GDE(-116, 689, 1063 FO) MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 20814 1+4	1319 2 FO	-1.47 .08 11.2	L	O	23:57:05	35:00	5	0	1	" MN=	"
"	HZ HER 59	A 13.5	α 16, 56, 01.7 δ 35, 25, 05 R , ,	L	SWP 20815 1+5	44 1 50	-1.38 .08 11.2	L	O	01:16:35	30:00	3	3	0	GDE(938, -751 351 FO) MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 27 M AUG Y 83 RAW TAPE D 27 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	NR. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC123	EQ PEG 48	dM4e 10.4	α 23,29,20 δ 19,39,42 R329,19,1.3	L	SWP 20818 1+1	363 5 Fo	2.27 .08 10.2	L	0	18:45:19 19:43:40	55:00 55:00	1	3	1	Two exp. RP(+4,-213),(-27,-205) 399 Fo MN=	DUFTON ec
"	"	"	α , , δ , " , R , ,	L	LWR 16682 1+2	375 0 Fo	.3 .08 14.5	L	0	20:42:15	20:00	2	3	2	E(MgII)=80 MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 20819 1+3	368 3 Fo	0.01 .08 14.2	L	0	21:14:42 22:17:26	55:00 55:00	1	3	1	RP(+4,-218) (-27,-205) MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 16683 1+4	376 1 Fo	.3 .08 16.5	L	0	23:15:17	25:00	3	4	2	MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 20820 1+5	376 3 Fo	1.6 .08 17.6	L	0	23:46:55 00:45:55	55:00 61:00	1	3	1	MN=	"
			α , , δ , R , ,		1+										MN=	
			α , , δ , R , ,		1+										MN=	
			α , , δ , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 28 M AUG Y 83 RAW TAPE D 28 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	NR. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC123	EQ PEG 48	dM4e 10.4	α 23,29,20 δ 19,39,42 R330,25,16.4	L	SWP 20829 1+1	358 2 Fo	-3.0 .08 11.2	L	0	18:47:14 19:46:26	56:00 56:00	1	3	1	RP(+4,-213) and (-27,-205) 368 Fo MN=	DUFTON ec
"	"	"	α , , δ , " , R , ,	L	LWR 16691 1+2	360 1 Fo	-1.69 .08 14.8	L	0	20:45:10	25:00	3	5	3	MN=829	"
"	"	"	α , , δ , " , R , ,	L	SWP 20830 1+3	358 2 Fo	-1.39 .08 12.5	L	0	21:14:07 22:14:09	56:00 56:00	1	3	1	RP(+4,-213) (-27,-205) 378 Fo MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 16692 1+4	378 2 Fo	-.9 .08 15.9	L	0	23:13:21	25:00	3	4	2	MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 20831 1+5	366 1 Fo	-1.36 .08 14.2	L	0	23:46:04 00:45:27	56:00 62:00	1	3	1	RP(+4,-213) (-27,-205) MN=	"
			α , , δ , R , ,		1+										MN=	
			α , , δ , R , ,		1+										MN=	
			α , , δ , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 29 AUG 83 RAW TAPE 29 AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	NR. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA060	IC 2149 70	075 11	α 05,52,40.9 δ 46,05,53 R 261,23,0.5	H	SWP 20841 1+1	208 2 FO	-2.6 .08 10.8	L	O	18:16:35	208:00	45	6	2	GDE (-622,-617 250 SO) MN=	PATRIMRCHI
FC016	HD 2151 44	92 2.8	α 00,23,9.0 δ -77,32,00 R 210,5,47.4	H	LWR 16698 1+2	1573 204 FU	-1.9 .08 15.2	L	O	22:37:13	15:00	7	5	1	NO 4MIN-HTR GDE(-1085,588 210 SO) MN=252	LINDE
11	11	11	α δ R	H	LWR 16699 1+3	1625 225 FU	-1.13 .08 15.5	L	O	23:20:17	15:00	7	5	2	NO 4MIN-HTR GDE(-1082,587 203 SO) MN=400	11
11	11	11	α δ 11 R	H	LWR 16700 1+4	1622 233 FU	-1.22 .08 15.9	L	O	23:59:57	06:30	7	3	1	WITH 4MIN-HTR GDE(-1083,586) MN=	4
11	11	11	α δ 11 R	H	LWR 16701 1+5	1559 228 FU	-.46 .08 16.2	L	O	00:34:44	15:00	7	4	2	NO 4MIN-HTR GDE(-1088,584) MN=517	11
11	11	11	α δ 11 R	H	LWR 16702 1+6	1594 249 FU	-1.00 .08 16.5	L	O	01:19:18	15:00	7	5	2	NO 4MIN-HTR GDE(-1084,582) MN=379	11
			α δ R		1+										MN=	
			α δ R													

OBSERVATORY LOG

DATE 30 AUG 83 RAW TAPE 30 AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	NR. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA141	HD 119921 30	A0 V 5.15	α 13,44,00.9 δ -36,00,9 R 54,42,43.3	H	SWP 20854 1+1	21564 65 FO	-1.57 .08 9.5	L	O	19:30:07	15:00	5	0	0	GDE(-914,-1241 275 SO) MN=	MOROSSI
11	11	11	α δ 11 R	L	LWR 16703 1+4	22156 69 FO	-1.57 .08 13.5	L S		19:49:00 19:52:42	00:05 00:20	4 6	0	2	NO 4 MIN-HTR 30px SAT. MN=534	11
11	11	11	α δ 11 R	L	SWP 20855 1+2	22217 81 FO	-1.48 .08 9.8	L S		20:16:34 20:19:12	00:10 00:30	4 5	0	1	MN=	11
11	HD 129685 30	A0 V 4.95	α 14,41,54.7 δ -34,58,52 R 65,45,31.2	H	SWP 20856 1+3	25724 88 FO	-1.78 .08 9.8	L	O	21:06:35	10:00	4	0	0	MN=	11
11	HD 183133 21	B3-B5 6.98	α 19,25,44.6 δ -15,12,20 R 91,54,43.6	H	SWP 20857 1+5	6642 7 FO	-.86 .08 10.2	L	O	21:49:08	25:00	5	0	1	GDE(-682,336 217 FO) MN=	11
11	HD 155896 22	B7e 6.75	α 17,12,44.2 δ -42,17,03 R 89,49,51.9	H	SWP 20858 1+6	6348 15 FO	-1.18 .08 10.2	L	O	23:11:49	30:00	5	0	1	GDE(895,661 391 FO) MN=	11
11	HD 181296 30	A0 V 5.05	α 19,18,49.4 δ -54.31,08 R 120,41,54.1	H	SWP 20859 1+7	22839 108 FO	-1.71 .08 10.2	L	O	00:15:09	15:00	5	0	1	GDE(1102,-1317 4928 FO) MN=	11
11	HD 200846 22	B9 7.07	α 8,16,26.6 δ -46,56,6 R 321,44,31.5	H	SWP 20860 1+8	5271 14 FO	-1.33 .08 10.2	L	O	01:12:24	35:00	7	0	1	GDE(-688,363 FO) MN=	4

OBSERVATORY LOG

DATE D 31 M AUG Y 83 RAW TAPE D 31 M AUG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA060	IC 4593 70	PN 11	α 16, 09, 23.3 δ +12, 12, 08 R 82, 41, 26.1	H	SWP 20867 1+1	217 4 FO	.98 .08 10.5	L	O	18:25:58	90:00	3	3	1	GDE (-1041, -361 692 FO) MN=	PATRIARCHI
"	NGC 6891 70	PN 12	α 20, 12, 48 δ 12, 32, 54 R 60, 49, 20.8	L	SWP 20868 1+2	142 45 FO	.92 .08 11.2	S	O	20:35:54	35:00	5	5	1	GDE (223, 738 103 FO) MN=	"
"	NGC 6826 70	PN 10.5	α 19, 43, 27.2 δ 50, 24, 10 R 46, 5, 37.0	H	SWP 20869 1+3	481 57 FO	.99 .08 11.2	L	O	21:51:21	85:00	4	5	1	GDE (-1339, 519 174 FO) MN=	"
"	IC 3568 70	PN 11.5	α 12, 31, 46.6 δ 89, 50, 22 R 150, 31, 24.2	L	SWP 20870 1+4	118 53 FO	.61 .08 11.2	S	O	23:57:24	30:00	5	5	0	GDE (155, -475 370 SO) MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 1 M SEP Y 83 RAW TAPE D M

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
			α , , δ , , R , ,		1+										MN=	
	NO RIT SUPPORT PERFORMED DUE TO SIGMA-9 BEING UNSERVICEABLE (BOTH DISKS NOT ACCESSIBLE)		α , , δ , , R , ,		1+										MN=	Fabbri
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 2 M Sep Y 83 RAW TAPE D 2 M Sep

→ 1988 awk.

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD32630 21	B3V 3.3	α 05 .03 .00.2 δ +41 , 10 , 08 R 272.54 .15.9	L	LWP 32630 1+1	1362 UF	-2.24 .08 9.8	L	O	18:21:46	0:0.82	5	0	2	TRAILED R=24.39 I=1 MN=	(PHCAL) cg
"	HD24760 23	B0.5III 3.0	α 03 .54 .29.4 δ +39 .52 .03 R 284 .04 .12.3	L	LWP 1989 1+2	1980 UF	-1.90 .08 10.8	L	O	19:14:15	0:0.39	5	0	3	TRAILED R=51.28 I=1 MN=	"
"	HD3360 20	B2IV 3.7	α 00 .34 .10.3 δ +53 .37 .20 R 329.46 .58.6	L	LWP 1990 1+3	975 UF	-.78 .08 11.2	L	O	20:05:59	0:0.56	5	0	3	TRAILED R=20.83 I=1 MN=	"
"	HD214680 13	O8III 4.9	α 22 , 37 . 01.0 δ +38 , 47 , 22 R 02 , 15 , 23.6	L	LWP 1991 1+4	2 6625 OF	-0.44 .08 11.5	L	O	21:20:39	0:2.02	5	0	3	TRAILED R=5.90 I=1 MN=	"
"	NULL 99		α , , δ , , R , ,		LWR 16718 1+5										NULL MN=	9
			α , , δ , , R , ,		1+										H/O TO VILSPA DELAYED BY 3 HOURS 33 MINUTE	
			α , , δ , , R , ,		1+										DUE TO SIGMA-9 DISK DRIVES UNSERVICEABLE MN=	
			α , , δ , , R , ,													

OBSERVATORY LOG

DATE D 3 M Sept Y 83 RAW TAPE D 3 M Sept

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI094	HD508 96 11	WN5 6.9	α 06 .52 .08.1 δ -23 .51 .52 R 291.27 .28.4	H	SWP 20905 1+1	7345 20 FO	-.81 2.34 11.2	L	O	14:21:41	4:00	5	7	1	MN=	WILLIS cg
"	HD96548 11	WN 8	α 11 .04 .18.0 δ -65 .14 .21 R 04 .38 .43.8	H	SWP 20906 1+2	3040 5 FO	-2.13 1.80 10.8	L	O	15:24:35	35:0	4	5	2	MN=	"
"	HD45166 11	WNR+ B8Z 9.9	α 06 .23 .36.0 δ +08 .00 .18 R 274 .53 .23.3	L	SWP 20907 1+3	407 3 FO	-1.74 .18 10.8	L	O	16:52:35	2:00	5	1	0	MN=	"
"	"	"	α , , δ " , " , " R , ,	L	LWR 16725 1+5	393 6 FO	-1.74 .08 14.2	L	O	16:57:46	1:50	5	1	2	MN=	"
"	HD508 96 11	WN5 6.9	α 06 .52 .08.1 δ -23 .51 .52 R 291 .24 .55.7	H	SWP 20908 1+4	6780 FO	.08 10.8	L	O	17:46:21	4:00	3	7	1	MN=	"
"	A0538-66 59	B2III 15	α 05 .35 .42.8 δ -66 .53 .40.4 R 284 .11 .54.6	L	SWP 20909 1+6	BO	-2.67 .08 10.2	L	O	18:47:46	149.0	5	0	2	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 4 M sept Y 83 RAW TAPE D 4 M sept

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SMAT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FIO94	HD50896 11	WN5 6.9	α 06 ,52 ,08.1 δ -23, 51 , 52 R 290,56 , 40.3	H	SWP 20920 1+1	7130 17 FO	-2.02 2.36 9.5	L	O	14:19:36	4:0	3	7	1	MN=	WILLIS CG
FIO94	〃	〃	α , , δ , 〃 , R , ,	H	LWR 16731 1+2	7021 13 FO	-2.40 2.32 13.8	L	O	14:44:11	4:0	3	5	3	MN=	〃
〃	HD96548 11	WN8 7.8	α 11 , 04 . 18.0 δ -65,14 , 21 R 03 , 41 , 33.6	H	SWP 20921 1+3	2786 10 FO	-3.04 1.54 9.2	L	O	15:40:37	40:0	4	7	1	GDE 886;-423 MN=	〃
〃	HD50896 11	WN5 6.9	α 06 , 52 , 08.1 δ -23 , 51 , 52 R 290,35 , 56.9	H	SWP 20922 1+4	6729 12 FO	-2.10 .08 9.8	L	O	16:56:d4	4:0	3	7	1	MN=	〃
〃	〃	〃	α , , δ , 〃 , R , ,	H	LWR 16732 1+5	6688 23 FO	-1.65 .08 13.8	L	O	17:03:39	4:0	3	5	2	MN=	〃
〃	HD96548 11	WN8 7-8	α 11 ,04 , 18.0 δ -65 , 14 , 21 R 03 ,36 , 54.9	H	SWP 20923 1+6	2924 19 FO	-1.44 .08 9.8	L	O	18:00:53	40:0	4	5	1	MN=	〃
〃	HD50896 11	WN5 6.9	α 06 ,52 ,08.1 δ -23 ,51 , 52 R 290 , 30 , 59.5	H	SWP 20924 1+7	6931 15 FO	-.96 .08 10.2	L	O	19:15:20	4:00	3	7	1	MN=	〃
〃	〃	〃	α , , δ 〃 〃 〃	H	LWR 16733 1+8	7120 9 FO	-.96 .08 13.8	L	O	19:22:32	4:0	4	5	2		〃

OBSERVATORY LOG

DATE 4 Sep 83 RAW TAPE 4 Sep

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI094	HD45166 11	qWR+B 9.9	α 06, 23, 36 δ 08, 00, 18 R~274, dull	H	SWP 20925 1 + 9	396 6 FO	-1.9 .08 10.2	L	O	20:05:32	72:0	4	3	1	GDE: 182, 349 Cts: 318 80 MN=	WILLIS CG
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 5 M SEP Y 83 RAW TAPE D 5 M SEP

POSAL	OBJECT TYPE	SP.TYPE m_V	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI094	HD 50896	WN5	α 06 ,52 ,08.1		SWP	7079	-2.2									WILLIS /
	11	6.9	δ -23, 51 , 52	H1	20935	22	2.2	L	O	14:35:03	4:00	3	7	1		AWH.
			R 289, 57, 12		1+1	F/0	9.5								MN=	
	"	"	α " , " , "		LWR	6660	-2.6									"
"	"	"	δ " , " , "	H	16738	11	2.1	L	O	14:42:57	4:00	4	5	2		"
			R " , " , "		1+2	F/0	13.5								MN= 889	
	HD 96548	WN8	α 11 .04 . 18.0		SWP	2871	-3.2									"
"	11	7.5	δ -65. 14 . 21	H	20936	15	1.6	L	O	15:35:03	40:00	5	6	1		
			R 02. 46 . 29		1+3	F/0	9.2								MN=	
	HD 50896	WN5	α 06 , 52 . 08.1		SWP	6969	-2.2									"
"	11	6.9	δ -23 , 51 , 52	H	20937	14	0.08	L	O	16:51:24	4:00	3	7	0		
			R 289, 45 , 42.5		1+4	F/0	9.5								MN=	
	"	"	α " , " , "		LWR	6662	-2.2									"
"	"	"	δ " , " , "	H	16739	10	0.08	L	O	16:58:44	4:00	4	5	2		
			R " , " , "		1+5	F/0	13.5								MN=	
	HD 96548	WN8	α 11 . 04 . 18.0		SWP	2790	-2.8									"
"	11	7.5	δ -65 , 14 . 21	H	20938	1	0.08	L	O	17:38:20	40:00	5	6	1		
			R 02 , 41 , 13.9		1+6	F/0	9.5								MN=	
	HD 50896	WN5	α 06 . 52 . 08.1		SWP	6823	-1.5									"
"	11	6.9	δ -23 . 51 , 52	H	20939	33	0.08	L	O	18:54:05	4:00	3	7	1		
			R 289 . 45 , 42.5		1+7	F/0	9.8								MN=	
	"	"	α " , " , "		LWR	7029	-1.5									
			δ " , " , "	H	16740	18	0.08	L	O	19:01:25	4:00	3	5	2		"
															851	

DATE 5 SEP 83

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PI094	HD 45166 11	WR+B8 9.9	α 06, 23, 36.0 δ +08, 00, 18 R 274, 14, 0.7	H	SWP 20940 1+9	398 4 F/0	-1.4 0.08 9.8	L	O	19:46:43	90:00	4	4	1	MN=	WILLIS/AWH
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 6 M SEP Y 83 ① RAW TAPE: D 6 M SEP

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/Gs	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA096	HD 50896 〃	WN5 6.9	α 06 , 52 , 08.1 δ -23 , 51 , 52 R 289 , 0 , 0	H	SWP 20945 1 + 1	6348 22 F/0	-3.3 2.04 8.5	L	0	14:29:40	4:00	3	7	1	MN=	WILLIS / AWH.
〃	〃 〃	〃 〃	α 〃 , 〃 , 〃 δ 〃 , 〃 , 〃 R 〃 , 〃 , 〃	H	LWR 16743 1 + 2	6720 16 F/0	-3.8 1.84 12.5	L	0	14:36:48	4:00	3	5	2	MN=	〃
〃	HD 96548 〃	WN8 7.5	α 11 , 04 , 18.0 δ -65 , 14 , 21 R 01 , 50 , 37.0	H	SWP 20946 1 + 3	2635 35 F/0	-4.1 1.38 8.5	L	0	15:21:53	40:00	5	5	1	MN=	〃
〃	HD 50896 〃	WN5 6.9	α 06 , 52 , 08.1 δ -23 , 51 , 52 R 288 , 56 , 10.3	H	SWP 20947 1 + 4	6594 31 F/0	-3.5 0.08 8.8	L	0	16:40:04	4:00	3	7	0	MN=	〃
〃	〃 〃	〃 〃	α 〃 , 〃 , 〃 δ 〃 , 〃 , 〃 R 〃 , 〃 , 〃	H	LWR 16744 1 + 5	6636 22 F/0	-3.5 0.08 12.8	L	0	16:47:24	4:00	3	5	2	MN=	〃
〃	HD 96548 〃	WN8 7.5	α 11 , 04 , 18.0 δ -65 , 14 , 21 R 01 , 45 , 31.5	H	SWP 20948 1 + 6	2847 9 F/0	-2.9 0.08 8.5	L	0	17:35:44	40:00	5	6	1	READ DURING MANEUVER WITH ROLL LEG AT GO'S REQUEST, RESULTING IN FAINT MICROPHONICS (~6DN) NO IMPACT ON SCIENCE. MN=	〃
〃	HD 50896 〃	WN5 6.9	α 06 , 52 , 08.1 δ -23 , 51 , 52 R 288 , 51 , 35.8	H	SWP 20949 1 + 7	6686 21 F/0	-2.2 0.08 8.8	L	0	18:51:59	4:00	3	7	1	MN=	〃
〃	〃 〃	〃 〃	α 〃 , 〃 , 〃 δ 〃 , 〃 , 〃 R 〃 , 〃 , 〃	H	LWR 16745 1 + 8	6989 58 F/0	-2.2 0.08 12.8	L	0	18:59:08	4:00	3	5	2	MN=	〃

OBSERVATORY LOG

DATE: D 6 M SEP Y 83 ② RAW TAPE: D 6 M SEP

PROPOSAL	OBJECT TYPE	SP:TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/Gs	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA096	HD 45166 〃	WR+B8 9.9	α 06 , 23 , 36.0 δ +08 , 00 , 18 R 273 , 56 , 4.7	H	SWP 20950 1 + 9	392 2 F/0	-1.3 0.08 9.2	L	0	20:03:49	72:00	3	3	1	MN=	WILLIS / AWH.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 7 SEP 83 RAW TAPE D M: 7 SEP

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE ID. RAW T. FILE	FES CTS ref. p. slot undov/fs	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC053	HD 6860 49	MOIII 2.06	α 01 , 06 , 55.5 δ +35 , 21 , 22 R 318 , 07 , 28.9	H	LWR 16750 1 + 1	3588 780 F/U	-5.0 1.44 11.5	L	O	14:45:50	25:00	3	6	3	MN=	JENSEN / AWH, BH
"	" "	" "	α " , " , " δ " , " , " R " , " , "	H	SWP 20962 1 + 2	3468 931 F/U	-4.8 0.80 6.8	L	O	15:17:29	360:00	3	4	3	MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 8 SEP 83 RAW TAPE D M: 8 SEP

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE ID. RAW T. FILE	FES CTS ref. p. slot undov/fs	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FMØ79	HD 35149 20	BIV 5.0	α 05 , 20 , 12.2 δ +3 , 29 , 52 R 275 , 43 , 7.0	H	SWP 20969 1 + 1	24111 102 F/O	-2.9 0.80 7.8	L	O	14:13:51	2:10	5	0	1	MN=	Jacobs / DG + BH
"	"	"	α " , " , " δ " , " , " R , ,	H	LWR 16754 1 + 4	"	-2.9 0.82 11.5	L	O	14:19:30	1:10	5	0	2	MN=888	"
	HD 21856 20	BIV 5.9	α 03 , 29 , 28.5 δ +35 , 17 , 36 R 289 , 08 , 10.6	H	SWP 20970 1 + 2	12534 202. F/O	-4.2 0.08 7.5	L	O	15:16:22	5:40	5	0	1	MN=	"
	HD 224572 20	BIV 4.9	α 23 , 56 , 27.7 δ +55 , 28 , 36 R 345 , 24 , 06.6	H	SWP 20971 1 + 3	24986 79 F/O.	-2.8 .08 7.8	L	O	16:01:59	3:00	5	0	1	MN=	"
	HD 35395 20	B0.5IV 6.8	α 05 , 22 , 11.9 δ +20 , 32 , 24 R 274 , 01 , 54.8	H	SWP 20972 1 + 5	6092 11 F/O	-2.3 .08 7.5	L	O	16:38:13	70:00	7	0	1	MN=	"
	HD 224151 20	B0.5II 6.0	α 23 , 53 , 02.6 δ +57 , 08 , 02 R 346 , 38 , 17.4	H	SWP 20973 1 + 6	11225 24 F/O	-1.1 0.08 8.2	L	O	18:21:41	38:00	7	0	1	MN=	"
	HD 188892 20	B5IV 5.0	α 19 , 54 , 04.4 δ +38 , 21 , 10 R 56 , 05 , 16.7	H	SWP 20974 1 + 7	24403 125 F/O	-2.1 0.08 8.5	L	O	19:37:51	7:00	7	0	1	MN=	"
	HD 209481 12	08.5V 5.5	α 22 , 00 , 23.5 δ 57 , 45 , 30 R 17 , 51 , 30.1	L	LWR 16755 1 + 8	16675 334 F/O	-2.9 0.09 12.2	L S	O	20:27:57 20:32:59	0:07 0:09	7 5	0	1	MN=	

OBSERVATORY LOG

DATE D 8 M SEP Y 83 (2) RAW TAPE D 8 M SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESET.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA079 and.	HD209681 12	085V 5.5	α 22, 00, 23.5 δ 57, 45, 30 R 17, 51, 30.1	H	SWP 20975 1+9	16675 334 F/O	-2.6 0.08 8.2	L	O	20:37:37	10:00	1	0	1	MN=	Jacobs / DG + BH
	HD209681 12	5.5	α 22, 00, 23.5 δ 57, 45, 30 R 17, 51, 30.1	H	SWP 20976 1+	16675 334 F/O	0.08	L	S		0:35 0:45				MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 09 M SEP Y 83 RAW TAPE D 9 M SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESET.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA255	HD187811 26	B3Ve 4.9	α 19, 48, 54.8 δ 22, 28, 58 R 66, 09, 46.8	H	LWR 16758 1+6	291 56 F/U	-3.4 0.02 11.8	L	O	14:38:39	2:20	6	0	2	MN=	HENRICHS / CG + BH
	HD187811 26	B3Ve 4.9	α , , δ , , R , ,	H	SWP 20987 1+1	291 56 F/U	-3.4 0.60 11.8	L	O	14:44:08	2:20	5	0	0	MN=	"
	HD5394 26	B0.5IVe 2.6	α 00, 53, 41.0 δ +60, 26, 47 R 331, 44, 23.8	H	SWP 20988 1+2	3619 769 F/U	-2.2 0.08 7.8	L	O	15:33:18	0:08	5	0	0	MN=	"
	HD24912 12	O7.5IIIf 4.0	α 03, 55, 43.0 δ 35, 39, 00.0 R 285, 18, 52.2	H	SWP 20989 1+3	643 92 F/U	-1.33 0.08 7.8	L	O	16:11:56	1:00	5	0	0	MN=	"
	HD33328 26	B2IVe 4.3	α 05, 06, 45.0 δ -08, 49, 00.0 R 235, 24, 52.7	H	SWP 20990 1+4	559 78 F/U	-0.86 0.08 7.8	L	O	16:54:12	0:48	5	0	1	MN=	"
	HD88661 26	B2IVe 5.7	α 10, 10, 01.7 δ -57, 48, 59.8 R 343, 51, 44.8	H	SWP 20991 1+5	16263 28 F O	-.02 .08 7.8	L	O	17:34:38	4:30	5	0	0	MN=	"
PHCAL	BD+25°825 16	sdO 9.54	α 08, 04, 43 δ +25, 06, 48 R 228, 00, 83.1	L	SWP 20992 1+7	588 3 F O	-1.18 0.08 7.8	L	O	19:00:09	0:14	5	0	1	sensitivity monitoring MN=	GRY & HASSALL
	BD+75°325 16	sdO 9.54	α , , δ , , R , ,	L	LWR 16759 1+9	646 2 F O	-1.53 0.08 12.2	L	O	19:20:68	0:24	5	0	2	MN=	"

OBSERVATORY LOG

DATE D 09 M SEP Y 83 RAW TAPE D 9 M 83

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fgs	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	ZET CAS 20	B2 IV 3.68	α 00, 34, 10.0 δ +53, 37, 19.0 R 335, 44, 25.5	H	SWP 20993 1+10	950 F/U	-1.43 0.08 7.8	L	0	20:32:47	0:24	5	0	1	Sensitivity monitoring MN=	Cg + BH
"	ZET CAS 20	"	α , , δ , , R , ,	H	LWR 16760 1+11	925 F/U	-1.43 0.08 128	L	0	20:35:39	0:21	5	0	2	MN= 507	"
"	BD +28°4211 15	Op. 10.53	α 21, 48, 56.0 δ 28, 37, 35 R 32, 37, 40.4	L	SWP 20994 1+12	238 0 FO	-1.14 .08 8.2	L	0	21:12:11	0:26	5	0	0	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 10 M SEP Y 83 RAW TAPE D 10 M SEP

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fgs	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
Fn079	HD 209481 12	O9 V 5.6	α 22, 00, 21.5 δ 57, 45, 30 R 19, 40, 31.1	L	SWP 21006 1+1	17067 36 f.o.	-4.61 1.00 7.2	L S	0	14:21:11 14:30:20	00:35 00:45	9 7	0 0	1 1	MN=	JACOBS/ PB + RCr
"	HD 182568 21	B3 IV 5.0	α 19, 22, 9.2 δ +29, 31, 20 R 67, 45, 6.9	H	SWP 21007 1+2	24006 86 f.o.	-2.51 .40 7.2	L	0	15:20:09	2:45	5	0	1	MN=	"
"	HD 176162 B5 IV 21 5.5	α 18, 56, 35.2 δ -12, 54, 36 R 90, 39, 45.0	H	SWP 21008 1+3	16901 40 f.o.	-1.25 .20 7.5	L	0	16:05:57	9:00	5	0	1	MN=	"
"	HD 191637 20	B1.5 V 4.6	α 15, 47, 57.9 δ -25, 36, 03. R 75, 48, 8.3	H	SWP 21009 1+4	378 52 f.u.	-1.25 .08 7.5	L	0	16:52:56	2:40	5	0	1	MN=	"
"	HD 187459 23	B0.5 II 6.4	α 19, 46, 56.1 δ 33, 18, 40 R 61, 65, 24.8	H	SWP 21010 1+5	8326 25 f.o.	-1.11 .08 7.5	L	0	17:36:36	45:00	6	0	1	MN=	"
"	HD 202214 20	B0 V 5.7	α 21, 10, 31.8 δ +59, 46, 49 R 32, 39, 34.5	H	SWP 21011 1+6	15053 32 f.o.	-.89 .08 7.8	L	0	19:05:46	13:00	6	0	1	MN=	"
"	HD 26912 21	B3 IV 4.3	α 04, 12, 49.0 δ 8, 46, 7 R 277, 31, 21.8	H	SWP 21012 1+7	502 79 f.u.	-.89 .08 7.8	L	0	19:59:1	3:15	6	0	1	MN=	"
"	HD 37367 20	B2 IV-V 6.0	α 5, 36, 7.5 δ 29, 11, 18 R 271, 35, 42.3	H	SWP 21013 1+8	12282 358 f.o.	-1.76 .08 7.8	L	0	20:42:53	28:00	6	0	1	MN=	"

OBSERVATORY LOG

DATE D 11 M SEP Y 83 RAW TAPE D 11 M SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fs.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA255	HD 37490 (WOH) 26	B2 IIIe 4.6	α 5,36,32.6 δ 4,5,41 R 274,26,51.2	H	SWP 21018 1+1	412 62 f/U	-2.02 1.16 6.5	L	O	14:46:13	2:10	6	0	1	MN=	HENRICHS /AT+RG
"	HD 44743 (BCMa) 23	B1 III 2.0	α 6,20,27.8 δ -17,55,47 R 271,49,53.1	H	SWP 21019 1+2	4239 1689 f/U	-3.75 0.40 6.5	S	O	15:34:26	0:11	3	0	0	MN=	"
EC267	HR 5999, 34	A7 IIIe 7.4	α 16,05,12.8 δ -38,58,23 R 75,2,17.9	L	LWR 16768 1+3	4347 267 FO	-3.03 .08 11.2	L	O	16:36:39	8:00	7	0	2	LAP SATUR λ>1600 Mg II emission 100 DN/8K IN IMAP MN=	TALAVERA AT+RG
			α , , δ , , R , ,	L	SWP 21020 1+4	4298 142 FO	-2.51 .08 6.1	L S	O O	17:00:43 16:51:52	26:00 5:00	7 3	3 0	0	LAP: SATUR λ>1750 EMISSION C IV: 60 DN/8K O1: 40 " SWP. No reversal λ<1770 MN=	
			α , , δ , , R , ,	H	LWR 16769 1+5	4448 11 FO	-1.98 .08 11.5	L	O	17:32:24	110:00	4	4	4	Mg II emission 130 DN/8K MN=	
FA255	HD 187811 26	B2 Ve 4.9	α 19,48,54.8 δ 22,28,58 R 68,15,28.9	H	SWP 21021 1+6	26121 111 f/O	-1.30 .08 6.5	L	O	20:07:28	2:20	5	0	0	MN=	HENRICHS AT+RG
	HD 214680 (10 LAC) 12	O9 V 4.9	α 22,37,00.0 δ 38,47,00 R 13,58,11.3	H	SWP 21022 1+7	344 34 f/4	-1.39 .08 7.2	L	O	20:51:10	0:54	5	0	0	MN=	
			α , δ , R ,		1+										MN=	

OBSERVATORY LOG

DATE D 12 M SEP Y 83 RAW TAPE D 12 M SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fs.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE257	3C 382 #87	14.7	α 18,33,12.0 δ 32,39,17.9 R 75,55,.8	L	SWP 21029 1+3	6.0 S/O	-3.29 0.92 7.5	L	O	14:58:35	378	3	4	3	MN=	BENVENUTI /PB+RG
	60% CALUV 99		α , , δ , , R , ,	H	LWR 16777 1+1	6.0	-1.90 0.32 12.5	L	O	15:51:13	01:53				TEST IMAGE UVC1(2) = -3.6 KV 60% UVFLOOD MN=	
	SERENDIPITY 07		α , , δ , , R , ,	H	LWR 16778 1+2	6.0	-1.50 .12 12.5	L	O	16:14:41	28				UVC1(2) BED. - 3.964KV (-3.6 TLM) REDUCED HV TO 87 FROM 103 DECIMAL. MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 13 M SEP Y 81 RAW TAPE D 13 M SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fvs	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	BD+75°325 16	sdO 9.54	α 8, 4, 43. δ 75, 06, 48 R 231, 11, 55.4	L	SWP 21034 1+1	634 30 f.o.	−1.94 1.04 7.5	L L	0	14:48:04 14:52:51	00:18. 00:18	5	0	1	Ref. Points at −5, −211 and −27, −205 MN=	PB / P.B.
"	"	"	α , , δ , , R , ,	L	SWP 21035 1+2	631 3 f.o	−2.28 0.48 7.5	L L	0	15:21:07 15:25:40	00:18 00:18	5	0	1	Ref. Pts −27, −205 " Ref Pts −5, −211 MN=	PB / PB
"	"	"	α , , δ , , R , ,	L	SWP 21036 1+3	558 3 f.o.	−1.76 0.36 7.8	L L	0	15:54:11 15:58:00	00:18 00:18	5	0	1	Ref. Pt −27, −205 Ref Pts −5, −211 MN=	" / L
"	"	"	α , , δ , , R , ,	L	LWR 16783 1+4	636 2 f.o.	−1.23 0.08 12.8	L L	0	16:38:43 16:42:33	00:18 00:18	4	0	1	Ref. Pts • −27, −205 • −5, −211 MN=	" / L
			α , , δ , , R	L	LWR 16784 1+5	633 4 f.o.	−.70 0.08 12.5	L L	0	17:13:24 17:16:41	00:18 00:18	4	0		Ref. pts −27, −205 −5, −211 MN=	
FA255	HD 109387 26	B5 III e 3.9	α 12, 31, 21.6 δ +70, 03, 49 R 161, 24, 37.7	H	SWP 21037 1+6	797 114 f.u.	−.70 0.08 7.5	L	0	18:18:33	01:25	5	D	1	MN=	HENRICKS / P.B.
"	HD 214680	O9V	α 22, 37, 010 δ 38, 47, 00 R 16, 36, 4.8	H	SWP 21038 1+7	351 43 f.u.	−.70 0.08 7.8	L	0	19:10:09	00:54	5	0	1	MN=	" / "
"	HD 24912	07.5 III	α 03, 55, 43.0 δ 35, 39, 00 R 286, 24, 40.5	H	SWP 21039 1+8	639 75 f.u.	−.84 0.08 8.2	L	0	19:48:21	01:00	5	5	1	MN=	" / "

DATE D 13 M SEP Y 83 RAW TAPE D 13 M SEP

OBSERVATORY LOG

DATE 13 SEP 81 MM DATE 13 SEP

PROPOSAL	OBJECT TYPE	SP. TYPE mv	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE ID. RAW T. FILE	PES CTS ref. p. slot window/Es	FOCUS BKG THOA	APERTURE	NP. SEQU.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXP. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA255	HD 88661 26	B2 IVe 5.7	α 10, 10, 01.7 δ -57, 48, 48 R 339, 30, 18.6	H	SWP 21040 1+9	16258 41 1.0.	-1.03 0.08 8.2	L	0	21:05:11	4:10	5	0	1	MN=	HENRICAS P.R.
			α , , . δ , , . R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 14 M SEP Y 83 RAW TAPE D 14 M SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fvs	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC 109	HD 192713 39	G3 5.1	α 20 , 13 , 21 δ 23 , 21 , 0 R 66 , 31 , 36.5	H	SWP 21055 1+1	17952 55 FO	-3.70 1.30 7.2	L	0	14:40:06	150:00	5	0	2	MN=	REIMERS AT
			α , , δ , , R , ,	H	LWR 16793 1+2	19488 43 FO	-.77 .08 11.5	L	0	17:17.47	80:00	5	6	4	Mg II emission slightly saturated MN= 823	
	HD 157999 47	K3 III 4.3	α 17 , 24 .02 δ 4 , 11 , 30 R 86 , 27 , 15.9	L	SWP 21056 1+3	406 74 Fu	-.19 .08 7.5	L	0	19:05:41	132:00	3	3	1	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 15 SEP 83 RAW TAPE 14 SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fvs	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA 255	HD 24912 12	O7.5 III 4.0	α 03 , 55 , 43 δ 35 , 39 , 00 R 286 , 53 , 45.3	H	SWP 21064 1+1	636 93 FU	-1.82 1.16 7.2	L	0	14:32:40	1:00	5	0	0	MN=	HENRICHS AT
	HD 214680 12	O9 V 4.9	α 22 , 37 , 01.0 δ 38 , 47 , 00 R 19 , 9 , 33.5	H	SWP 21065 1+2	1346 47 FU	-2.52 .08 7.2	L	0	15:15:29	0:54	5	0	0	MN=	
	HD 164284 (10 Oph) 26	B2 IIIe 4.8	α 17 , 57 , 47.1 δ 4 , 22 , 12 R 86 , 10 , 50.5	H	SWP 21066 1+3	357 55 FU	-.51 .08 7.2	L	0	16:05:50	2:10	5	0	0	MN=	
	HD 149038 (μ Nor) 13	O9.7 Iab 4.9	α 16 , 30 , 31.3 δ -43 , 56 , 29 R 77 , 15 , 36.1	H	SWP 21067 1+4	25257 70 FO	-1.30 .08 7.2	L	0	16:56:14	2:40	5	0	1	MN=	
EI φ29	CYG X-2 66	X BINARY 14.5	α 21 , 42 , 36.2 δ 38 , 05 , 27 R 37 , 13 , 29.3	L	SWP 21068 1+5	BO	-1.61 .08 7.5	L	0	17:51:18	164:00	1	0	1	GOE 1334 -620 673/FO NO SPECTRUM VISIBLE ERROR IN COORDINATES ?? MN=	C. PENN AT
FA 255	HD 24912 12	O7.5 III 4.0	α 03 . 55 , 43 δ 35 , 39 , 00 R 286 , 58 , 17.8	H	SWP 21069 1+6	640 86 FU	-1.27 .08 8.2	L	0	21:18:33	1:00	5	0	0	MN=	HENRICHS AT
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 16 M SEP Y 83 RAW TAPE D 16 M SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. / slot / undov/fine	FOCUS BKG / THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC 109	HD 187076 49	M3 II 3.5	α 19, 45, 9.0 / δ 18, 24, 30 / R 75, 17, 0.4	H	SWP 21070 1+1	830 / 115 / FU	-3.6 / .30 / 4.8	L	0	14:40:18	45:00	5	0	1	MN=	REIMERS ΔT
"			α , , / δ , , / R , ,	H	LWR 16807 1+2	864 / 119 / FU	-2.55 / .08 / 10.5	L	0	15:29:34	20:00	5	6	2	MN=	
	HD 157999 47	K3 II 4.3	α 17, 24, 02 / δ 4, 11, 30 / R 87, 17, 54.2	L	SWP 21071 1+3	420 / 64 / FU	-1.8 / .08 / 5.5	L	0	16:17:21	300:00	3	4	2	MN=	
			α , , / δ , , / R , ,		1+										MN=	
			α , , / δ , , / R , ,		1+										MN=	
			α , , / δ , , / R , ,		1+										MN=	
			α , , / δ , , / R , ,		1+										MN=	
			α , , / δ , , / R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 17 M SEP Y 83 RAW TAPE D 17 SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. / slot / undov/fine	FOCUS BKG / THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC 109	HD 192577 47	K4II 3.7	α 20, 12, 3.3 / δ 46, 35, 20 / R 58, 2, 59.4	H	SWP 21078 1+1	730 / 103 / FU	-3.03 / .40 / 6.8	L	0	14:56:26	12:00	5	0	1	MN=	REIMERS ΔT
"			α , , / δ , , / R , ,	H	LWR 16816 1+2	722 / 115 / FU	-2.60 / .20 / 12.2	L	0	15:12:23	12:00	6	6	3	MN= 861	
	HD 81817 46	K3 4.3	α 9, 29, 58 / δ 71, 32, 30 / R 212, 12, 44.6	L	SWP 21079 1+3	442 / 106 / FU	-1.30 / .08 / 6.8	L	0	15:57:29	250:00	1	1	2	NO SPECTRUM ?? STAR OUT OF	SWLA fc
			α , , / δ , , / R , ,	H	LWR 16817 1+4	480 / 78 / FU	-1.92 / .08 / 11.8	L	0	20:10:44	60:00	2	4	3	Mg II EMISSION ~ 130 ON/BKG MN=	
			α , , / δ , , / R , ,		1+										MN=	
			α , , / δ , , / R , ,		1+										MN=	
			α , , / δ , , / R , ,		1+										MN=	
			α , , / δ , , / R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 18 M Sep Y 83 — RAW TAPE: D 18 M Sep

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fxs	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI Ø28	CYG X-2 ~~66~~ 59	X BINARY 14.5	α 21, 42, 36.9 δ 38, 05, 27 R 40, 56, 17.4	L	SWP 21087 1+1	BO	-2.85 .08 6.8	L	O	14:37:00	188:00	2	3	2	GDE X=-512 713/FO Y= 1355 MN=	C. PENN ΔT
PHCAL	BD +28° 4211 16	sd O 10.5	α 21, 48, 56 δ 28, 37, 35 R 45, 52, 44.9	L	SWP 21088 1+2	231 2 FO	-1.13 .08 7.8	L	O	18:35:49	00:26	5	0	0	MN=	TALAVERA ΔT
			α , , δ , , R , ,	L	LWR 16822 1+3	237 2 FO	-1.13 .08 11.5	L	O	18:40:48	1:00	5	0	2	NO 4 MIN HTR MN= 237	
			α , , δ , , R , ,	L	SWP 21089 1+5	247 1 FO	-.85 .08 7.8	L	O	18:31:16	0:51	4	0	0	TRAILED R = 0.256, I = 1 SQ PROBLEM ⇒ EXP. TIME UNCERTA MN=	
			α , , δ , , R , ,	L	LWR 16823 1+4	245 FO	-.49 .08 11.8	L	O	19:49:40	3:30	5	0	2	TRAILED R = 0.095 I = 1 MN= 463	
	BD +75° 325 16	sd O 9.5	α 8, 4, 43 δ 75, 6, 48 R 235, 29, 28.3	L	SWP 21090 1+7	609 3 FO	-.82 .08 7.2	L	O	21:07:10	0:14	5	0	0	MN=	
			α , , δ , , R , ,	L	LWR 16824 1+6	634 1 FO	-.82 .08 12.2	L	O	21:03:36	0:24	5	0	2	MN= 509	
			α , , δ , , R , ,													

OBSERVATORY LOG

DATE: D 19 M SEP Y 83 (1) — RAW TAPE: D 19 M SEP

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fxs	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA085	LB 3275 28	SdB 13.9	α 02, 41, 23.0 δ -63, 29, 26 R 228, 08, 11.6	L	SWP 21099 1+1	44 4 S/O	-2.65 0.08 6.8	L	O	14:59:00	19:00	4	0	0	MN=	LYNAS-GRAY/ WW, BH
	LB 3275 28	SdB 13.9	α 02, 41, 23.0 δ -63, 29, 26 R 228, 08, 11.6	L	LWP 1992 1+2		-2.21 0.08 5.5	L	O	15:23:44	27:00	4	0	2	MN=	"
	JL 82 28	SdB 12.4	α 21, 31, 24 δ -73, 02, 00 R 165, 20, 39.9	L	SWP 21100 1+3	179 1 S/O	-1.25 0.08 7.2	L	O	16:14:31	6:00	5	0	1	MN=	"
	JL 82 28	SdB 12.4	α 21, 31, 26 δ -73, 02, 00 R 165, 20, 39.9	L	LWP 1993 1+4	183 2 S/O	-1.16 0.08 6.8	L	O	16:39:29	10:00	5	0	3	MN=	"
	HD 188112 28	SdB 10.2	α 19, 51, 26 δ -28, 28, 15 R 104, 49, 25	L	LWP 1994 1+5	325 10 F 10	-0.77 0.08 7.5	L	O	17:56:54	1:36	5	0	2	MN=	"
	HD 188112 28	SdB 10.2	α 19, 51, 26 δ -28, 28, 15 R 104, 49, 25	L	SWP 21101 1+6	325 10 F/O	-0.77 0.08 7.2	L	O	18:01:00	1:00	5	0	0	MN=	"
	PHL 17 28	SdB 13.97	α 21, 28, 00 δ -3, 16, 00 R 91, 49, 37	L	LWP 1995 1+7	41 1 S/O	-1.70 0.08 7.8	L	O	18:52:53	36:00	5	0	2	MN=	"
	PHL 17 28	SdB 13.97	α 2 , , δ , , R , ,	L	SWP 21102 1+8	42 6 S/O	-1.17 0.08 7.5	L	O	19:36:01	20:00	4	0	1	MN=	"

OBSERVATORY LOG

DATE (D M Y): 17 SEP 83 — RAW TAPE (D M): 19 SEP

(2)

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f3s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FAD85	PHL 197 28	SdB 13·6	α 21 , 51 , 36 δ −06 , 27 , 00 R 98 , 26 , 06·0	L	LWP 1996 1 + 9	79 19 S/O	−0·77 0·08 7·8	L	O	20:27:13	25:00	5	0	2	MN=	LYNAS-GRAY/ WW BH
	PHL 197 28	SdB 13·6	α 21 , 51 , 36 δ −06 , 27 , 00 R 98 , 26 , 06·0	L	SWP 2103 1 + 10	61 3 S/O	−1·27 0·08 8·2	L	O	20:56:45	13:00	5	0	1	MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: 20 SEP 83 — RAW TAPE: 20 SEP

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f3s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC109	HD81817 46	K3II 4·3	α 9 , 29 , 58·0 δ +81 , 32 , 30 R 214 , 46 , 31.7	L	SWP 21111 1 + 1	464 59 F/U	−1·30 0.36 6·8	L	O	14:45:37	174:00	3	3	2	MN=	HASSALL/ WW + BH
EI029	CYG X-2 59	— 14·5	α 21 , 42 , 36·9 δ 38 , 05 , 27·0 R 43 , 29 , 19·8	L	SWP 21112 1 + 2	/	−0·93 0·08 8·5	L	O	18:25:30	172:00	2	2	1	MN=	PENN/ WW + BH.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 21 M SEP Y 83 RAW TAPE D 21 M SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESEL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/Exs	FOCUS BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE257	3C 382 84	14.7	α 18, 33, 12.0 δ 32, 39, 17.9 R 83, 28, 04.9	L	LWR 16841 1+1	24 - S/O	-2.18 0.84 11.8	L	O	14:52:10	261:00	3	3	8	24 hits at r/p/h S/O. MN=	HASSALL + WAMSTEKER /BH WW
FA060	HD316268 70	PN 12.5	α 17, 42, 45 δ -30, 11, 02 R 88, 03, 36.8	L	SWP 21124 1+2	1291 10 S/O	-1.98 0.08 6.8	L S	O	20:00:37 20:34:22	30:00 45:00	2 2	1 1	1 1	SNAP FOCUS -2.42, BKG 0.08 THDA 7.2 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE: D 22 M SEP RAW TAPE D 22 M SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESEL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/Exs	FOCUS BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI029	CYG K-2 59	- 14.5	α 21, 42, 36.9 δ 38, 5, 27 R 46, 4, 21.3	L	SWP 21134 1+1	6.0. 5.0	-3.1 .50 8.2	L	O	14:49:39	176.00	3	0	2	60. ×557 y-670 225/50 MN=	PENNY / AC+RG
FI166	PU Vul 63	A-F 8.8	α 20, 19, 1.1 δ 21, 24, 43.1 R 74, 36, 21.6	L	LWR 16848 1+2	1206 1 f.0.	-.21 008 12.5	L	O	18:10:28	30:00	7	0	1	MN=	ALTAMORE AC+RG
11	AG Dra 57	Me 9.9	α 16, 1, 24 δ 66, 56, 30 R 116, 20, 45.4	L	SWP 21135 1+3	421 1/15 f.0.	-.89 .08 8.5	L S	O	19:15:48 19:34:26	15:00 5:00	3 2	6 4	0 0	focus SWP -1.23 MN=	11
11	HD316285 26	Be 9.0	α 17, 45, 4.8 δ -27, 59, 55 R 88, 20, 45.7	L	LWR 16849 1+4	1015 5 f.0.	-.86 .08 13.2	L	O	20:16:36	60:00	5	0	3	C = 191 D = 30 MN=	11
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 23 M SEP Y 83 RAW TAPE D 23 M SEP

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA032	HD37974 23	Pec 11.0	α 5, 36, 49 δ -69, 24, 30 R 265 3, 21.7	H	LWP 2005 1+4	154 3 OF	-1.33 0.08 7.2	L	O	151355 155821	22:00 248:00 300:00	4	6	5	gde(-185, 552) FO 234cts C=200 B=7.7 MN=	CACCATELLA AC/RG
"	"	"	α , , δ , , R , ,	L	SWP 21142 1+1	153 1 FO	-1.33 -.08 8.2	L	O	154004	15:00	5	0	0	"SHORT" INTERLUDE MN=	"
"	Null Image 99		α , , δ , , R , ,		LWR 16856 1+2										MN=	"
"	Null 99		α , , δ , , R , ,		LWP 2004 1+3										Leading exercise (9 bad rams!) MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE 24 SEP 83 RAW TAPE 24 SEP

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA144	HD142926 26	B8Ve 5.75	α 15, 53, 49.5 δ 42, 42, 38 R 113, 6, 380	H	LWR 16864 1+2	14450 362 f/o	-.93 1.14 14.2	L	O	14:35:56	12:00	6	0	3	gde -579, 121 cts 167 MN=	HUBERT RG/AC
"	"	"	α , ", δ , ", R , ,	H	SWP 21151 1+1	14635 26 f/o	-1.62 .82 8.8	L	O	15:00:24	11:00	5	0	0	bkg interorder 40 MN=	
"	HD183656 26	B8Ve 6.05	α 19, 28, 2.8 δ 3, 20, 16 R 88, 54, 523	H	SWP 21152 1+3	10435 32 f/o	-1.53 .60 9.2	L	O	15:47:0	23:00	5 / 7	0 / 0	0 / 3	gde 719, -823 cts 76 MN=	
"	"		α , , δ , , R , ,	H	LWR 16865 1+4	10318 10 f/o	-1.62 .22 14.2	L	O	16:17:44	25:00				MN=	
"	HD184279 26	B0e 6.94	α 19, 31, 7.2 δ 3, 39, 8 R 88, 45, 57.4	H	SWP 21153 1+6	4491 6 f/o	-1.96 .08 9.5	L	O	16:55:20	26:00	4	0	0	gde 203, -589 cts 244 MN=	
"	"	"	α , , δ , , R , ,	H	LWR 16866 1+7	4542 7 FO	-1.96 0.08 14.5	L	O	17:25:40	20:00	5	0	3	MN=	
"	HD179343 26	B9Ve 6.92	α 19, 09, 32.4 δ 2, 32, 17 R 89, 30, 17.2	H	SWP 21154 1+8	5008 17 f/o	-1.71 0.08 9.5	L	O	18:14:40	60:00	4	0	1	gde 1234 -340 cts 440/510 MN=	
"	HD113120 26	B1e 6.0	α 12, 59, 39.4 δ -71, 12, 26 R 15, 3, 38.2	H	SWP 21155 1+9	12313 30 FO	-0.85 .08 9.8	L	O	195934	5:25	5	0	1	c=184 B=32 MN=	

OBSERVATORY LOG

DATE D 24 H SEP Y 82 (2) RAW TAPE D 24 M SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA144	HD 113120 26	B1e 8.0	α 12,59,39.4 δ −71, 12, 26 R 15, 3, 38.2	H	LWR 16867 1+ 11	12615 20 OF	80.85 0.08 14.2	L	O	200822	5:55	5	0	2	MN=	Hubert RG+AC
"	HD10144 26	B5e 9.6	α 1,35,512 δ −57, 29, 25 R 206, 56, 38.1	H	SWP 21156 1+10	13761 6363 UF	-1.48 0.08 9.8	S	O	205509	0:05	5	0	1	C = 180 B = 30 MN=	"
"	"		α , , δ , , R , ,		LWR 16868 1+12	14755 UF	-1.1 .08 14.5	S	O	21:36:36	0:05	6	0	2	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 25 H SEP Y 82 RAW TAPE D 24 M SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FHϕ38	HD101008 12	O9.5V 9.14	α 11, 34, 26.5 δ −63, 7, 15 R 351, 19, 53.6	H	SWP 21171 1+1	750 7 OF	-0.68 0.08 9.2	L	O	150724	100:00	5	0	1	C=240 B=60 MN=	SANDHALEKAR A.C.
"	"	"	α , , δ , , R , ,	H	LWP 2006 1+2	725 3 OF	-1.94 0.08 8.8	L	O	171406	75:00	6	0	3	flow mix sat. B=52 MN=	
"	HD308813 23	9.28	α 11, 35, 38.1 δ −63, 02, 22 R 351, 24, 25	H	SWP 21172 1+4	634 2 OF	-2.95 0.08 9.8	L	O	191413 213131	120:00 16:00 136:00	5	0	2	C=270 B=60 MN=	
"	NULL		α , , δ , , R , ,		LWR 16871 1+3										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE (D M Y): 26 SEP 83 — RAW TAPE (D M): 26 SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC251	HD 6860	MØIII 2.06	α 1, Ø6, 55.9 δ 35, 21, 20 R , ,	H	SWP 21176 1 + [illegible]	/	-2 0.08 8.8	L	O	135612 212417	447:00 440:00 tot: 930	5	8	4	Read at GSFC Started at GSFC MN=	–
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R		1 +											

OBSERVATORY LOG

DATE (D M Y): 27 SEP 83 — RAW TAPE (D M): 27 SEP

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC251	HD156014 45	G5III 5.4	α 17, 12, 22.3 δ 14, 26, 44 R 95, 11, 23	H	SWP 21180 1 +	b.o.	-2.24 0.56 6.8	L	O	144995	440:00				READ AT GSFC GDE(-574, -757) 274 CTS (5.0) MN=	ERIKSSON AC
"	BACKGR. 7	/	α , , δ ", ", " R , ,	H	LWR 16884 I+1	/	-2.53 0.08	L	O	155015	340:00				MEDG EXPOSE MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 28 M Sept Y 83 — RAW TAPE: D 28 M Sept

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC225	HD222107 45	G8III 3.82	α 23, 35, 06.5 δ 46, 11, 14 R 14, 21, 38.7	H	LWR 168'90 1+1	582 FU	-1.85 1.46 14.8	L	O	14:19:20	5:00	4	6	2	guide -755 499 cts 310 SO MN=	ENGVOLD CG
"	"	"	α , , δ ", ", " R , ,	H	LWR 16891 1+2	582 FU	-1.00 .86 14.8	L	O	14:55:59	35:00	6	7	2	guide -756 499 cts 327 So MN=	"
"	"	"	α , , δ ", ", " R , ,	H	SWP 21185 1+	660 149 FU	-1.11 .30 8.8	L	O	15:42:27	750:0 read in	1	7	8	guide -556 360 ct 305 SO Goddard USI MN=	"
PHCAL	SKY BKGD 07		α , , δ ", ", " R , ,	H	LWR 16892 1+3	/	-1.58 .08 15.2	L	O	16:22:51	315:00	1	1	8	flare test UVC1(2) RED. -4.467KV (-4.1 FLM) TO no flare detectable MN=	CG
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R		1+											

OBSERVATORY LOG

DATE: 29 Sept 83 — RAW TAPE: 29 Sept

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC225	HD214952 49	M6III 2.1	α 22, 39, 41.4 δ -47, 08, 48 R 148, 33, 51.7	H	LWR 16898 1+1	3951 FU	-2.7 1.6 13.2	L	O	13:41:47	225:0	6	7	9	Started in GSFC MN=	MOE CG
FC225	WAVECAL 98	—	α , , δ ", ", " R , ,	H	LWR 16899 1+2	—	-.97 .08 14.5	S S	C C	17:55:44 17:57:08	0:7 0:16	8 1	8	9	MN=	"
"	HD 22049 46	K2V 3.73	α 03, 30, 34.4 δ -09, 37, 35 R 258, 25, 51.9	H	SWP 21192 1+	683 160 FU	-1.17 .08 7.8	L	O	19:09:48 19:37:00	5:00 TOTAL =530 min	1	6	8	guide -1250 -762 ct 102 SO READ AT GSFC MN=	"
PHCAL	SKY BKGD 07	—	α , , δ ", ", " R , ,	H	LWR 16900 1+3	—	-1.61 .08 14.2			19:41:00	126:0	1	1	5	test flare UVC1-HV reduced -4.742 KV (-4.1 FLM) TO no flare MN=	gry CG
FC225	HD 22049 46.	K2V 3.73	α , , δ ", ", " R , ,		FES 1475 1+4	/									FES connected to SWP21192 (collecting ...) (erroneously entered as FES 1) MN= (please correct)	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D M Y: 30 Sept 83 — RAW TAPE D M: 30 Sept

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/fs	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FH140	SWDRA 53	RAlyr 10.4	α 12, 15, 26.1 δ 69, 47, 17 R 182, 06, 32.1	L	LWP 2007 1+1	141 3 FO	-2.86 -2.30 .32 7.5	L S	O O	15:27:49 15:48:46	16:00 8:00	4 3	0 0	1 1	LAP SMAP gui 635 789 1083 1034 cts = 152 FO MN=	PETTINI CG
"	"	"	α , , δ ", ", " R , ,	H	LWP 2008 1+	320 1 FO	-1.34 .08 8.8	L	O	16:44:35	440:00	3	0	9	gui 680 1082 cts 139 FO READ AT GSFC MN=	"
"	SKY BKGD	—	α , , δ ", ", " R , ,	H L	SWP 21202 1+	—	-1.25 .08 9.2	L	O	17:06:57 17:21:01	12:00 440:00	0	0	9	sky bkgd while LWP2008 exposing on SWDRA READ AT GSFC MN=	"
"	~~FE~~ SWDRA 53	"	α , , δ ", ", " R , ,		FES 1476 1+2										FES for collaboration image. MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: 1 Oct 83 — RAW TAPE: 1 Oct

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/fs	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE157	HDE245770 14	09.7IIIE 9.0	α 05, 35, 48.0 δ 26, 17, 18 R 273, 04, 42.2	L	SWP 21209 1+1	745 2 FO	-1.98 .44 11.5	L	O	14:34:21	15:00	5	1	1	guide 442 -122 cts 194 FO MN=	COE CG
FE157	"	"	α , , δ ", ", " R , ,	L	LWR 16908 1+3	731 2 FO	-1.98 .08 15.9	L	O	14:56:45	3:20	5	1	2	guide 243 -1073 cts 160 FO MN= 819	"
"	"	"	α , , δ ", ", - R , ,	L	SWP 21210 1+2	761 1 FO	-2.85 .08 11.5	L	O	15:27:30	34:40	3	1	1	trail .09615"/s 10 iter. MN=	"
"	MKN501 87	BLLac 14.0	α 16, 52, 11.7 δ 39, 50, 25 R 108, 12, 00.9	L	SWP 21211 1+4	BO	-.77 .08 11.5	L	O	18:25:22	202:00	3	1	2	guide: 1243 319 cts = 289 50 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 2 M OCT Y 83 — RAW TAPE: D 2 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM 140	BT DRA 53	RRLyr 11.6	α 14 , 50 , 28.9 δ 60 , 16 , 26 R 142 , 15 , 6.3	L	LWP 2016 1 + 1	255 2 50	-1.67 .08 8.2	L	0	14:26:45	30:00	3	0	1	MN=	PETTINI AT
	SW DRA 53	RRLyr 10.4	α 12 , 15 , 26.1 δ 69 , 47 , 17 R 184 , 1 , 18.5	H	LWP 2017 1 +	180 1 F0	-2.21 .08 8.8	L	0	15:48:21					GDE X: 666 Y: 1059 167/F0 READ AT GSFC MN=	
	"	—	α , , δ , , R , ,	E	FES 1478 1 + 2	"	-			15:40:00		-	-	-	FIELD FOR LWP 2017. MN=	
	"	"	α , , δ , , R , ,	L	SWP 21216 1 +	—	-2.21 .08 7.8	L	0	15:50:14					SERENDIPITY WITH LWP 2017 READ AT GSFC MN=	
			α , , δ , , R , ,		1 +										MN=	
	—		α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: 03 OCT 83 — RAW TAPE: 3 OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC241 +FC254	GL182 48	dM0.5e 9.6	α 04 , 56 , 59.0 δ +01 , 42 , 36.0 R 266 , 45 , 18.8	L	SWP 21220 1 + 1	302 3 F/0.	-2.38 0.14 8.8	L	0	14:09:20 16:46:25 15:21:45	30:00 30:00 30:00	1	0	0	2nd exp (-37, -208) FESCT 317, BK=0.08 3rd exp (5, -208) FESCT 336, BK=0.08 MN=	RODONO/ AT + BH.
..	GL 182 48	dM0.5e	α 04 , 56 , 59.0 δ 01 , 42 , 36.0 R 266 , 45 , 18.8	L	LWR 16914 1 + 2	335 F/0	-1.33 0.08 13.8	L	0	15:55:40 16:15:36 16:37:30	15:00 15:00 15:00	2	3	3	FES/10 (5, -208) 335 (-16, -208) 332 318 (-37, -208) 869 MN=	"
	GL 182 48	dM0.5e	α , , δ , , R , ,	L	SWP 21221 1 + 3	314 F/0	-2.55 0.08 9.2	L	0	16:58:46 18:04:00	60:00 45:00	1	0	1	(2, -212) 314 (-34, -204) 320 315 MN= refpt (-16, -208)	"
	HD210334 46	G0IV + K0IV 6.11	α 22 , 06 , 39 δ +45 , 29 , 48.0 R 49 , 05 , 08.8	L	LWR 16915 1 + 4	9343 34 F/0	-2.15 0.08 13.8	L	0	19:46:41	19:04	8	0	2	MN=	"
	HD210334 46	"	α , " , δ , , R , ,	L	SWP 21222 1 + 6	9099 34 F/0.	-1.76 0.08 9.2	L	0	20:13:31	80:00	3	4	1	MN=	"
	HD210334 46	"	α 22 , 06 , 39 δ 45 , 29 , 48.0 R 47 , 05 , 08.8	H	LWR 16916 1 +	9285 29 F/0	-0.07 0.08 13.8	L	0	21:38:50	50:00				H/O exposing. MN=	
	~~HD2~~ "		α , , δ , , R , ,		FES 1479 1 + 5					21:11:00					Field for LWR 16916 MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 04 M OCT Y 83 RAW TAPE D 04 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fys	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC256 +FC249	AR LAC HD210334 46	K0III 6.1	α 22,06,39.0 δ +45,29,48.0 R 49,55,48.9	L	SWP 21230 1+1	9001 33 170	-.355 0.40 7.8	L	0	13:27:55	20:00	3	4	1	Exposing at H/O MN=	RODONO/ AT, BH.
	GL182 48	9.6	α 04,57,00 δ +01,42,36 R 266,16,38.0	L	SWP 21231 1+2	314 4 F/O	-1.07 0.08 7.8	L	0	15:46:12 16:49:36	60:00 60:00	2	3	1	(-2,-208) 314,4 FES (-30,-208) 310,2 MN=	〃
	GL182 48	9.6	α ,, , δ , , R , ,	L	LWR 16923 1+3	301 10 P/O	-2.23 0.08 12.5	L	0	17:55:20 18:12:52 18:41:47	13:00 13:00 13:00	2	3	2	(-37,-208) 301,0 (-16,-208) 307 (+5,-208) 299 MN= 307	〃
	〃	〃	α ,, , δ , , R , ,	L	SWP 21232 1+5	313 7 F/O	-2.14 0.09 8.5	L	0	18:59:56 20:07:54	60:00 60:00	2	2	1	(-2,-208) 313 (-30,-208) 302 MN=	〃
	〃	✓	α ,, , δ ,, , R , ,		FES 1481 1+4					21:09:00					Field for LWR 16924 MN=	〃
	GL182 48	9.6	α ,, , δ , , R , ,	L	LWR 16924 1+6	313 3 F/O	-0.89 0.08 13.2	L	0	21:16:25 21:32:05 21:48:30	13:00 13:00 13:00				(-37,-208) 313,3 (-16,-208) 318,2 (+5,-208) 309,3 READ AT GSFC MN=	〃
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 05 OCT 83 RAW TAPE 05 OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fys	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC254	GL182 48	dM0.5e 9.6	α 04,57,00 δ +01,42,36 R 265,55,32.2	L	SWP 21238 1+1	315 3 F/O	-2.23 0.86 8.2	L	0	14:25:22 13:25:22	60:00 60:00	3	4	2	H/O / moved during sp. (-2,-208) (-30,-208) MN=	RODONO AT, BH.
	HD214679 48	dM1e 9.1	α 22,36,01 δ -20,52,48 R 125,54,56.3	L	SWP 21239 1+2	858 3 F/O	-2.52 0.08 8.8	L	0	15:30:43 16:04:45 16:53:14	30:00 30:00 30:00	1	0	1	(-37 -203) 858 (-16 -208) 838 (+5 -213) 828 MN=	〃
	〃	〃	α ,, , δ , , R , ,	L	LWR 16930 1+3	869 3 P/O	-1.98 0.08 13.2	L	0	17:27:00 17:40:04 17:55:07	8:00 8:00 8:00	2	3	2	(+5,-213) 869 (-16,-208) 893 (-37,-203) 860 MN= 874	〃
	〃	〃	α ,, , δ , , R , ,	L	SWP 21240 1+4	884 4 F/O	-.51 .08 8.8	L	0	18:22:22 18:55:23 19:28:25	30:00 30:00 30:00	1	2	1	(-37,-203) 884 (-16,-208) 889 (+5,-213) 846 MN=	〃
	〃	〃	α ,, , δ , , R , ,	L	LWR 16931 1+5	891 3 F/O	-1.19 0.08 13.5	L	0	20:01:44 20:12:27 20:28:49	8:00 8:00 8:00	2	4	2	(+5,-213) 891 (-16,-208) 895 (-37,-203) 852 MN=	〃
	〃	〃	α ,, , δ , , R , ,	L	SWP 21241 1+6	875 3 F0	-1.35 0.08 9.2	L	0	20:49:25 21:25:25	30:00 23:00	1	0	1	(-37,-203) 875 (-16,-208) 877 end. 813 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 6 M OCT Y 83 RAW TAPE D 6 M OCT

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fgs	FOCUS BKG THDA	APERTURE	XP. SEQ.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 223	MCG 8-11-11 84	Seyf. 60L 14	α 5, 51, 9.7 δ -46, 25, 49 R276, 30, 49.7	L	SWP 21247 1+1	BO	-1.85 .08 8.4	L	0	15:16:01	200:00	3	3	1	GDE X 178 Y 663 484/50 MN=	GIOVANNELLI-BASSANI / AT
	NGC 1275 84	Seyf. 60L 13	α 3, 16, 29.9 δ 41, 19, 50 R306, 53, 23.5	L	SWP 21248 1+2	BO	-1.23 .08 9.2	L	0	19:32:59	134:00	3	3	1	GDE X -321 Y 528 202/50 NV: 75 DN CONT = 40 DN MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 07 M OCT Y 83 RAW TAPE D 07 M OCT

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fgs	FOCUS BKG THDA	APERTURE	XP. SEQ.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC 249 +254	HD 214479 (GL 867-A) 48	dM1e + dM1e 9.1	α 22, 36, 01 δ -20, 52, 48 R125, 01, 45.4	L	SWP 21253 1+1	831 3 FO	-2.67 .08 9.8	L	0	14:44:48 15:24:32 16:04:46	30:00 30:00 30:00	2	3	1	(2, -212) STRONG (-16, -208) PARTICLE (-34, -204) EVENT MN=	RODONO AT
	UV CET (GL 65AB) 48	dM6e 12.0	α 1, 36, 25. δ -18, 12, 42 R207, 21, 24.2	L	LWR 16942 1+2	406 4 50	-1.66 .08 13.8	L	0	17:47:08 18:16:30 18:48:21	25:00 25:00 20:00	1	3	3	(2, -212) (-16, -208) (-34, -204) MN=	
	HD 5303 45	G0+K4 IV 7.5	α 0, 51, 26 δ -74, 55, 33 R180, 27, 22.6	L	SWP 21254 1+3	2426 9 FO	-.58 .08 9.2	L	0	19:44:22	123:00	5	3	1	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 8 M OCT Y 83 RAW TAPE D 8 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FEϕ52	NGC3516 84	Seyfert 13	α 11, 3, 22.9 δ +72, 50, 22 R 209, 33, 28.7	L	SWP 21257 1+1	111 10 05	-1.96 0.08 6.1	L	0	4 2517 14 33 06 15 01 00	5:00 25:00 230:00 260:00	3	4	2	GDE(-309,748) 362 Sc CIV 149; B = 40 {C = 120 (1800Å) CIII 143 B = 52 Lyα 188 MN=	ULRICH AC
"	"	"	α , , δ , , R , ,	L	LWP 2019 1+4	110 6 05	-1.64 0.08 6.8	L	0	18 57 03 21 13 25	133:00 20:00 153:00	5	6	4	3 pix sat MgII C = 197 B = 46 MN=	
/	/		α , , δ , , R , ,		1+					/	/				GDE (1950) m_v = 11.6 α 11, 02, 28.3 δ 72, 50, 56 MN=	
"	NULL 99		α , , δ , , R , ,		LWR 16951 1+2										FES MAG = 13.0 MN=	
"	NULL 99		α , , δ , , R , ,		LWP 2018 1+3										READG 1 MN=	
"			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 9 M OCT Y 83 RAW TAPE D 9 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FEϕ52	ESO 113 84	Seyf 14.2	α 1, 21, 51.2 δ -59, 3, 58 R 187, 2, 13.1	L	SWP 21260 1+1	34 0 05	-1.3 0.08 9.2	L	0	16:54:13 17 03 57	4.00 46:00 50:00	2	5	2	GDE(-812,-844) 148 50 Lyα 192 NV 75; CIV 111; B = 36 C = 42 MN=	ULRICH AC
"	"	"	α , , δ , , R , ,	L	LWP 2020 1+2	b.o /	-1.25 0.08 8.8	L	0	17 56 41	50:00	3	4	2	GDE(-1011,-705) 150 50 MgII ??? B = 57 C = 103 MN=	
"	"	"	α , , δ , , R , ,	L	SWP 21261 1+3	/	-0.50 0.08 9.8	L	0	18 50 42	115:00	3	6	2	GDE(-814,-845) Lyα 255 (4 pix sat) C IV 209, C = 75 B = 25 MN=	
			α , , δ , , R , ,	L	LWP 2021 1+4	/	-1.83 0.08 9.5	L	0	20 49 07	58:00	3	4	2	GDE(-1012,-707) 1483 0 MgII 191 B = 36 C = 122 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 10 M Oct Y 83 RAW TAPE D 10 M Oct

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot, undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXPOS. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 260	MKN 915 84	14.0	α 22,34,07.1 δ -12,48,-15.0 R 115,49,23.8 / 10.5	L	LWR 16964 1+1	6.0.	-1.98 .08 15.2	L	O	15:16:09 15:49:11	23:00 354:00	3	3	9	6.0 Gde 535,551 278 S/O MN=	WW + RG
			α δ R / /		1+						377:00				MN=	
			α δ R / /		1+										MN=	
			α δ R / /		1+										MN=	
			α δ R / /		1+										MN=	
			α δ R / /		1+										MN=	
			α δ R / /		1+										MN=	

OBSERVATORY LOG

DATE D 11 M Oct Y 83 RAW TAPE D 11 M Oct

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PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot, undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXPOS. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI 219	H2215-086 59	Array N13.5	α 22,15,17.2 δ -8,36,07 R 108,49,27.5	L	LWR 16967 1+1	6.0. 89 S/O	-.28 .08 14.5	L	O	10:41:24	63:00	3	4	3	Gde 1010, 865 191 F/O Earth scanned light MN=	Bohlin-Bidaud /RO+AC
"	"	"	α δ R / /	L	SWP 21272 1+2	b.o.	-0.19 0.08 9.8	L	O	16 00 13 16 17 15	11:00 52:00 63:00	3	4	2	HDE(1208,729) 233 F/O MN=	
"	"	14.0	α δ R / /	L	LWP 2027 1+3	43 0 SO	-1.28 0.08 8.8	L	O	17 12 34	42:00	4	4	3	E=175 B=44 C=161 MN=	
			α δ R / /	L	SWP 21273 1+4	46 1 SO	-.25 .08 10.2	L	O	18 01 59	63:00	3	5	1	MN=	
			α δ R / /	L	LWP 2028 1+5	51 0 30	-2.24 0.08 9.8	L	O	19 10 02	42:00	4	5	2	C=141 E=194 B=34 MN=	
			α δ R / /	L	SWP 21274 1+6	56 0 SO	-1.14 0.08 10.2	L	O	19 56 48	42:00	2	4	1	MN=	
			α δ R / /	L	LWP 2029 1+7	45 0 SO	-1.64 0.08 10.2	L	O	20 43 37	21:00	3	4	2	MN=	
			α δ R / /	L	SWP 21275 1+8	38 0 SO	-1.73 0.08 10.2	L	O	21 11 06 21 26 21	11:00 20100 31100	3	3	1	MN=	

OBSERVATORY LOG

DATE: D 11 M OCT Y 83 — RAW TAPE: D 11 M OCT

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PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI219	NULL 99	/	α 00 , 00 , 00 δ 00 , 00 , 00 R , ,		LWR dark 16968 1 + 8										BONNET B MN=	BONNET BIDAUD
			α , , δ , , R , ,		T +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 12 M OCT Y 83 — RAW TAPE: D 12 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI219	1E2003+22 59	Xray 15	α 20 , 03 , 37.0 δ +22 , 31 , 21 R 91 , 21 , 36.4	L	SWP 21281 1 + 1	6.0.	-2.00 0.08 7.5	L	O	150815	111:00	3	5	1	4 DE(-525,1259) NV 139 SiIV 123 CIV 215 HeII 133 B = 26 MN= C = 90	BONNET – BIDAUD AC
			α , , δ , , R , ,	L	LWP 2033 T + 2	6.0	-1.41 0.08 7.2	L	O	171246	111:00	4	4	3	C = 165 B = 40 MN=	
			α , , δ , , R , ,	L	SWP 21282 1 + 3	6.0.	-1.39 0.08 7.8	L	O	190818	160:00	3	5	2	C = 129 B = 28 MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 13 M OCT Y 83 RAW TAPE D 13 M OCT

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE052	E30113 84	~14.3	α 1 , 21 , 51.2 δ -59 , 3 , 58 R 182 , 57 , 54.3	L	SWP 21286 1 + 1	62 ~30 S/O	-285 .08 6.1	L	O	150459	120:0	3	6	1	Earth shines! Gde -759 -911 170 S/O MN=	WW + RG
"	"	"	α , , δ , , R , ,	L	LWP 2037 1 + 2	37 6 S/O	-.80 .08 6.1	L	O	171128	120:0	4	6	0	Gde -952 -764 151 S/O MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 21287 1 + 3	32 1 S/O	-1.48 .08 7.2	L	O	191549	90:0	3	5	1	Gde -756 -918 130 S/O MN=	"
"	"	"	α , , δ , , R , ,	L	LWP 2038 1 + 5	27 2 S/O	-1.04 .08 7.8	L	O	204936 212136	30:0 18:0 48:0	3	4	0	Gde -944 -774 147 S/O MN=	"
"	NULL 99		α , , δ , , R , ,		LWR ~~16984~~ 1 + 4	(16974) AWH.									Lyα 1 pix saturated } 21287 SWP C IV 170 DN Mg II 150 – LWP 2038 MN=	
	–		α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 14 M OCT Y 83 RAW TAPE D 14 M OCT

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EC097	A0538-66 59	Xray 14	α 5 , 35 , 42.8 δ -66 , 53 , 40 R 244 , 5 , 45.4	L	SWP 21295 1 + 1	b.o.	-0.49 0.08 7.5	L	O	174912	160:00	5	0	1	(946-175) GDE 156 CTS F/O C=212 B=30 MN=	HOWARTH A-C
			α , , δ , , R , ,	L	LWP 2044 1 + 3	b.o.	-1.48 0.08 7.2	L	O	203400	69:00	4	0	3	(746-37) GDE C=158 B=36 MN=	
	NULL 99		α , , δ , , R , ,		LWR 16977 1 + 2										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: 15 OCT 83 RAW TAPE: 15 OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	NULL 99		α , , δ , , R , ,		LWP 2056 1+10					195800					High gain read MN=	A.C.
"	NULL 99		α , , δ , , R , ,		LWP 2057 1+11					203400					Low gain read MN=	
"	HM SGE 57	Pec	α 19,39,41 δ 16,37,33 R 96,26,47	H	SWP 21299 1+6	138 2 OF	-2.00 0.08 7.5	L	O	145556	190:00	1	6	2	HeII 179 CIV 198 NIV 111 SiIV 129 CIII ~20,t B~30 MN= —	
"	NULL 99		α , , δ , , R , ,		LWR 16982 1+12										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R		1+											

OBSERVATORY LOG

DATE: 15 OCT 83 RAW TAPE: 15 OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	NULL 99		α 00,00,00 δ 00,00,00 R , ,		LWP 2048 1+1					150400					High gain read MN= FINAL UV TEMP=39	CASSATELLA
"	60% CALUV 99		α , , δ , , R , ,		LWP 2049 1+2		-1.57 0.08 7.5			153450	2:04				MN= FINAL UVF = 36	
"	20% CALUV 99		α , , δ , , R , ,		LWP 2050 1+3		-1.13 0.08 8.2			161439	0:41				MN= FINAL UVF = 41	
"	120% CALUV 99		α , , δ , , R , ,		LWP 2051 1+4		-1.04 0.08 8.5			165810	4:08				MN= FINAL UVF = 39	
"	60% LALUV 99		α , , δ , , R , ,		LWP 2052 1+5		-1.04 0.08 8.8			172600	2:04				MN=	
"	100% TFLOOD 99		α , , δ , , R , ,		LWP 2053 1+7		-2.08 0.08 9.2			184250	1:40				MN= READ ONLY FINAL UVF = 39	
"	160% CALUV		α , , δ , , R , ,		LWP 2054 1+8		-2. 0.08 9.2			191830	5:31				MN= Simple READ PREP	
"	NULL 99		α , , δ , , R , ,		LWP 2055 1+9					193400					MN=	

OBSERVATORY LOG

DATE D 16 M oct Y 83 RAW TAPE D 16 M oct

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/fys	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EC267	DR TAU	K5eIV	α 4,44,14.0	L	SWP	122	-2.88								B-36	JUDGE
	58	11.5	δ +16;53,00		21300	2	.16	L	O	13:40:54	300:00	S	3	2	CIII: 254	
			R 272,54,54.5		1+1	FO	8.5								CIII: 130	cg
"	SU AUR	G2IIIe	α 04,52,47.8	L	LWP	620	-.60								MN= guide: X=163	
	58	9.2	δ +30,29,19		2066	5	.08	L	O	13:02:54	10:00	3	3	2	Y=694	"
			R 282,33,36.2		I+2	FO	8.2								Cb=3568 FO	
"	SU AUR	G2IIIe	α , ,	L	SWP	613	-1.48								MN= read in GOD	
	58	9.2	δ " , " , "		21301	3	.08	L	O	19;30:23	300:00				guide X=361	"
			R , ,		1+	FO	9.5								Y=551	
															Cb=4662 FO	
															MN=	
"	"	"	α , ,	/	FES										FES image	
			δ " , " , "		485										archived for	"
			R , ,		1+3										collaborative	
															SWP 21301	
															MN=	
			α , ,													
			δ , ,													
			R , ,		1+										MN=	
			α , ,													
			δ , ,													
			R , ,		1+										MN=	
			α , ,													
			δ , ,													
			R , ,		1+										MN=	
			α , ,													
			δ , ,													
			R , ,		1+										MN=	

OBSERVATORY LOG

DATE 14 oct 83 RAW TAPE 14 oct

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/fys	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC150	SU AUR	G2IIIe	α 04,52,48.1	L	SWP	656	-1.58								B=38	JUDGE
	58	9.2	δ +30,29,26		21303	5	,64	L	O	11:56:30	330:00	3	3	2	C=90	
			R 282,42,31.5		1+1	FO	6.8								CIII=93 STARTED AT G&FC	cg
															MN=	
"	DR TAU	K5eIV	α 04,44,14.0	L	LWP	129	-.85								B=40	
	58	11.5	δ +16,53,00		2073	1	.08	L	O	18:18:54	10:00	3	4	2	C=106	"
			R 272,43,08.7		I+4	FO	7.2								CIII=159	
															MN=	
"	"	"	α , ,	L	SWP	127	-1.20								read in GSFC	
			δ " , " , "		21304	2	.08	L	O	18:41:10	360:00				guide X=957	"
			R , ,		1+	FO	8.2								Y=-381	
															Cb=206 FO	
															MN=	
"	"	"	α , ,		FES										FES archived	
			δ , ,		1488										for collaborative	"
			R , ,		1+3										image SWP21304	
															MN=	
			α , ,													
			δ , ,													
			R , ,		1+										MN=	
			α , ,													
			δ , ,													
			R , ,		1+										MN=	
			α , ,													
			δ , ,													
			R , ,		1+										MN=	
			α , ,													
			δ , ,													
			R , ,		1+										MN=	

(1+2 is the single FES image but archived with a bad number)

OBSERVATORY LOG

DATE D 18 M OCT Y 83 RAN TAPE D 18 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
Fc 150	HD 282624 58	G2 IIIe 9.5	α 4, 52, 48.1 δ 30, 29, 19.4 R 282, 55, 36.7	L	SWP 21306 1+1	660 — f.o.	0.08 7.2	L	O	1309:56	315:00	3	3	2	EXP. STARTED AT GSFC MN=	JUDGE / P.B.
〃	HD 283571 58	K1e IV-V 9.2	α 4, 18, 50.9 δ 28, 19, 35 R 287, 0, 38.2	L	LWP 2079 1+2	316 1 f.o.	−.57 0.08 6.8	L	O	19:02:48	10:00	3	4	2	MN=	〃 / 〃
〃	〃	〃	α , , δ , , R , ,	L	SWP 21307 1+	313 2 f.o.	−.57 0.08 8.2	L	O	19:28:58	180:00				Read at GSFC MN=	〃 / 〃
			α , , δ , , R , ,		FES 1490 1+3										FES FOR SWP21307 MN=	〃 / 〃
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 18 M OCT Y 83 RAN TAPE D 18 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
Fc150	HD 282624 58	G2 IIIe 9.2	α 4, 52, 48.1 δ 30, 29, 20.0 R 283, 08, 55.2	L	SWP 21309 1+4		2.44 0.08 6.1	L	O	12:52:30	300:00	3	3	2	STARTED AT GSFC MN=	JUDGE / P.B.
〃	HD 283571 58	K1e IV-V 9.2	α 4, 18, 50.9 δ 28, 19, 35 R 287, 15, 33.2	L	LWP 2086 1+2	316 2 f.o	−1.00 0.08 6.8	L	O	18:41:24	10:00	3	4	2	MN=	〃 / 〃
〃	〃	〃	α , , δ , , R , ,	L	SWP 21310 1+	308 3 f.o.	−1.10 0.08 7.8	L	O	19:07:50	300:00				GUIDE 563, 896. CTS 615 FO READ AT GSFC MN=	〃 / 〃
			α , , δ , , R , ,		FES 1492 1+3										FES FOR SWP 21310 MN=	〃 / 〃
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 20 M OCT Y 83 RAW TAPE D 20 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI090	AØ538-66 59	BØ 14.5	α 5, 35, 42.7 δ -66, 53, 40 R 238, 15, 38.2	L	SWP 11312 1+1	B.O.	-2.04 0.01 6.1	L	O	14:55:24	60:00	3	3	1	MN=	PRINJA / P.B.
	H2 HER 59	13.5	α 16, 56, 01.6 δ 35, 25, 05 R 124, 19, 7	H	SWP 21313 1+2	71 3 S.O.	-2.02 0.09 6.8	L	O	17:13:58	240:00	2	2	2	MN=	〃 / 〃
	〃	〃	α 〃 〃 〃 δ 〃 〃 〃 R 〃 〃	H	SWP 21314 1+	71 3 S.O.	-1.64 0.01 9.5	L	O	21:35:26	240:00				IMAGE READ AT GSFC MN=	〃 / 〃
			α 〃 〃 δ 〃 〃 R 〃 〃		FES 1493 1+3										FES FOR SWP 21314 MN=	〃 / 〃
			α 〃 〃 δ 〃 〃 R 〃 〃		1+										MN=	
			α 〃 〃 δ 〃 〃 R 〃 〃		1+										MN=	
			α 〃 〃 δ 〃 〃 R 〃 〃		1+										MN=	
			α 〃 〃 δ 〃 〃 R 〃 〃		1+										MN=	

OBSERVATORY LOG

DATE D 21 M OCT Y 83 RAW TAPE D 21 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EC 267	HD 282624 58	G2 9.2	α 04.52.47.8 δ 30, 29, 20 R 283.38.22.8	L	LWP 2101 1+1	616 7 F/O	-2.8 0.5 10.2	L	O	14:33:53	10:00	3	3	2	MN=	JUDGE / AWH.
〃	HD 283571 58	K1 9.2	α 04.18.50.9 δ 28, 19, 35 R 287, 45, 06.6	L	LWP 2102 1+2	292 3 F/O	-2.4 0.6 10.2	L	O	16:26:21	10:00	2	4	2	MN=	〃
〃	DR TAU 58	K5 11.5	α 04.44.14 δ 16.53.0 R 272.02.0.9	L	LWP 2103 1+3	352 0 F/O	-1.8 0.08 10.2	L	O	16:31:00	10:00	3	3	2	MN=	〃
FA042	GD 1404 28	SDB 12.3	α 01.46.25 δ -26 51.06 R 182.06.28.5	L	LWP 2104 1+4	173 4 S/O	-2.4 0.08 10.2	L	O	17:55:46	10:00	5	1	2	MN=	BUES / AWH.
〃	〃	〃	α 〃 〃 〃 δ 〃 〃 〃 R 〃 〃 〃	L	SWP 21322 1+5	172 0 S/O	-1.5 0.08 10.2	L	O	18:13:57	15:00	7	1	0	MN=	〃
〃	GD 1072 17	WDO 14.6	α 02.00.38.2 δ -12, 43, 25.4 R 191, 41, 17.6	L	LWP 2105 1+6	B/O	-0.6 0.08 9.8	L	O	19:39:38	127:00	4	1	4	GDE X=675 Y=607 90 ds s/o. MN=	
			α 〃 〃 δ 〃 〃 R 〃 〃		1+										MN=	
			α 〃 〃 δ 〃 〃 R 〃 〃		1+										MN=	

OBSERVATORY LOG

DATE (D M Y): 22 OCT 83 — RAW TAPE (D M): 22 OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI029	HZ HER 59	13.5	α 16 , 56 , 01.6 δ 35 , 25 , 05 R 126 , 15 , 53.4	H	SWP 21324 1 + 1	76 3 S/O	-2.3 0.48 9.5	L	O	14:14:51	300:00	3	3	2	MN=	PRINJA / AWH
"	A0538-66 59	BO 14.5	α 05 , 35 , 42.7 δ -66 , 53 , 40 R 236 , 00 , 28.6	L	SWP 21325 1 + 2	B/O	-2.1 0.08 11.2	L	O	20:19:52	87:00	4	1	1	GDE: X=952 Y=-56 CTS= 137 F/O MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG Sheet 2

DATE: 23 OCT 83 — RAW TAPE: 23 OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA009	HD 170563 20	A1V 8.2	α , , δ , 11 , R , ,	L	SWP 21336 1 + 9	1879 5 f/o	-1.25 .08 9.5	L	O	20:21:29	21:00	7	0	0	Gde 587, -10 MN=	Gerbald / AH + RG
								L	O	21:18:30	1:00	6	0	2	1773/75 (SAP)	
	HD 170054 22	B6V 8.2	α 18 , 24 , 48.5 δ 6 , 29 , 13 R 104 , 21 , 34.8	L	LWP 2120 1 + 10	1744 10 f/o	-1.60 0.08 9.2	S	O	21:21:54	1:00	5	0	2	MN=	
								L	O	21:25:20	2:00	5	0	0	1770/80 (SAP)	
	"	"	α , , δ , " , R , ,	L	SWP 21337 1 + 11	1782 17 f/o	-1.60 .08 10.2	S	O	21:30:12	3:00	5	0	0	MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG Sheet 1

DATE D 23 M OCT Y 83 RAW TAPE D 23 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. plot undov/f/8	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA009	HD 73666 22	B9 V 6.6	α 8,37,19 δ 20,8,.86 R 255,11,21.9	L	LWP 2115 1+	7036 17 f/0	-1.28 .08 8.2	L	O	14:17:51	0:45	7	0	3	~2x. nuclear C MN=	GERBALDI, +RG /AWH
"	"	"	α , , δ , , R , ,	L	SWP 21333 1+1	7036 33 f/0	-1.62 .08 8.5	L S	O O	14:48:20 14:52:00	1:00 1:00	5 4	0 0	0 0	320 cts in (SAP) MN=	
"	"	"	α , , δ , , R , ,	L	LWP 2116 1+3	7389 24 f/0	-1.96 .08 8.5	L	O	15:25:42	0:12	4	0	2	MN=	
	HD 6870 31	A5 7.5	α 1,6,.5.7 δ -62,8,.17 R 69,9,.26	L	LWP 2117 1+4	3160 32 f/0	-2.33 .08 8.8	L	O	16:32:08	2:00	7	0	2	MN=	
"	"	"	α , , δ , , R , ,	L	SWP 21334 1+5	3303 10 f/0	-1.89 .08 8.8	L S	O O	17:09:12 17:17:38	5:00 5:00	4 3	0 0	0 0	3148, 142 (SAP) MN=	
"	"	"	α , , δ , , R , ,	L	LWP 2118 1+6	3166 5 f/0	-1.9 .08 8.8	L	O	17:43:29	1:20	5	0	2	MN=	
	HD 170563 30	A1 V 8.2	α 18.27.23 δ 6.43.42 R 104,14,22.4	L	LWP 2119 1+7	1774 4 f/0	-1.05 .08 9.2	L	O	18:53:36	2:00	5	0	2	MN=	
	"	"	α , , δ , , R , ,	L	SWP 21335 1+8	1971/1904 6/61 f/0	-1.00 0.08 8.8	L S	O	19:17:53 19:20:55	7.00 7.00	5 4	0 0	0 0		

OBSERVATORY LOG

DATE D 24 M OCT Y 83 RAW TAPE D 24 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. plot undov/f/8	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC044	EV Lac 48	dM4e 10.2	α 22,44,29.9 δ 44,04,37 R 63,49,55.7	L	SWP 21346 1+1	351 24 f/0	-1.58 .08 8.5	L	O	15:14:30	40:00	2	3	0	flare! * with hi proper motn MN=	Andersen /RG + WH
"	"	"	α , , δ , , R , ,	L	LWP 2130 1+2	345 19 f/0	-1.14 .08 8.5	L	O	16:29:52	30:00	2	5	2	+419 -765 Gde MN=	
"	"	"	α , , δ , , R , ,	L	SWP 21347 1+3	348 33 f/0	-.36 .08 9.2	L	O	17:05:11	110:09	1	3	1	+622 -906 Gde MN=	
"	"	"	α , , δ , , R , ,	L	LWP 2131 1+4	351 3 f/0	-.86 .08 8.5	L	O	18:59:11	30:00	2	5	1	MN=	
"	"	"	α , , δ , , R , ,	L	SWP 21348 1+5	345 2 f/0	-1.74 .08 9.5	L	O	19:34:17	133:00	1	3	1	MN=	
"	"	"	α , , δ , , R , ,		1+										MN=	
"	"	"	α , , δ , , R , ,		1+										MN=	
"	"	"	α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE (D M Y): 25 OCT 83 RAW TAPE (D M): 25 OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f;s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC231	HD73502 53	F 7	α 8 , 35 , 17.6 δ -43 , 56 , 21 R 268 , 6 , 28.2	L	SWP 21359 1 + 1	2768 11 f/0	-2.0 .08 8.8	L	O	14:29:56	20:00 +20:00	1	0	0	MN=	REIPURTH /WW+LB
			α , , δ , , R , ,	L	LWP 2140 1 + 2	2795 10 f/0	-1.83 .08 8.8	L	O	15:16:35	18:00	4	0	1	28K4 MN=	
	HD73678 53	F 8.3	α 8 , 36 , 03.4 δ -47 , 11 , 10 R 269 , 3 , 28.5	L	SWP 21360 1 + 3	1762 5 f/0	-2.05 .08 9.5	L	O	16:03:53	60:00	1	0	0	Gdc -137 , 104 MN=	
	HD106111 53	F6 6.7	α 12 , 10 , 04.2 δ -69 , 52 , 25 R 329 , 43 , 46.2	H	LWP 2141 1 + 4	11546 23 f/0	-1.40 .08 9.5	L	O	17:46:00	170:00	7	0	4	& NO TICK! β=119°.40! m FES = 6.2 MN=	
	HD81222 53	F 7.6	α 9 , 20 , 45.4 δ -55 , 44 . 47 R 280 , 41 , 0.8	L	SWP 21361 1 + 5	2553 11 f/0	-1.57 .08 9.8	L	O	21:07:18	40:00	2	0	0	MN=	
	–		α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: 26 OCT 83 RAW TAPE: 26 [illegible]

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f;s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC044	EV LAC 48	dM4e 10.2	α 22 , 44 , 39.9 δ 44 , 06 , 33 R 68 , 10 , 15.9	L	LWP 2146 1 + 1	348 24 F/0	-2.3 0.08 9.8	L	O	14:5[illegible]:11	30:00	2	5	3	Gdc x, 386 ±406 y, -784 /90. MN=	ANDERSEN/ BH. WW.
	"	"	α , " , δ , , R , ,	L	SWP 21370 1 + 2	351 3 F/0	-1.12 0.08 10.5	L	O	15:31:33	100:00	1	3	1	Gdc: 585 -927 MN=	
	"	"	α , " , δ , , R , ,	L	LWP 2147 1 + 3	374 40 F/0	1.38 0.08 10.2	L	O	17:14:36	30:00	2	4	1	MN=	
	"	"	α , " , δ , , R , ,	L	SWP 21371 1 + 4	358 46 F/0	0.92 0.08 11.8	L	O	17:47:49	110:00	1	2	1	Gdc: 582 , -933. MN=	
	"		α , " , δ , , R , ,	L	LWP 2148 1 + 5	331 22 F/0	-0.86 0.08 12.5	L	O	19:40:48	41.00	2	5	1	381 , -794 MN=	
	" –	"	α , " , δ , , R , ,	L	SWP 21372 1 + 6	327 2. F/0	-1.73 0.08 13.2	L	O	20:28:14	80:00	1	2	1	580 , -937 MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 27 M OCT Y 83 — RAW TAPE: D 27 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f/s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC231	HD106111 53	F6 6.2	α 12, 10, 04.2 δ -69, 52, 25.0 R 327, 37, 01.1	H	LWP 2156 1 + 2	9923 20 F/0	-1.18 0.09 11.2	L	O	14:51:13	240:00	7	0	4	β = 119.98 (1) MN=	REIPURTH / CG, BH
	HD68808 53	6.1	α 08, 10, 25.6 δ -46, 29, 36.0 R 262, 18, 36.0	L	SWP 21379 1 + 3	11821 47 F/0	-0.78 0.09 11.8	L	O	19:35:05	120:00	5	0	1	MN=	
	NULL		α 12, 10, 04.2 δ -69, 52, 25.0 R 327, 37, 01.1		LWP 2155 1 + 1										NULL READ for LWP 2156 MN=	
	HD68808 53	6.1	α 08, 10, 25.6 δ -46, 29, 36.0 R 262, 18, 36.1	L	LWP 2157 1 + 4	11916 24 F/0	-0.75 0.08 12.2			21.39.28	4:00	7	0	2	MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE 28 OCT 83 — RAW TAPE

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f/s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FAØ10	SB 939 20	B2 10.2	α 23, 57, 48.0 δ -39, 40, 00 R 143, 08, 44.5	H	LWP 2163 1 + 4	278 4 F/0	-1.82 0.08 12.2	L	O	14:55:25	72:00	4	0	2	LWP anomaly during Prep image was played back MN=	WEHRSE BH, CG.
	HD 4158 30	AØ 9.5	α 0, 41, 24.9 δ -20, 40, 22.0 R 145, 52, 06.3	L	SWP 21388 1 + 1	475 1 F/0	-0.85 0.09 11.2	L	O	16:42:14	70:00	5	0	1	exposure time unsure - initially 60:00 - modified because of drift. MN=	a few minor frames missing image drop out y = 419
	〃	〃	α , , δ , 〃 , R , ,	L	LWP 2164 1 + 2	493 2 F0	-1.58 .08 11.8	L	O	18:12:54	12:00	7	0	1	MN=	
	NGC1535 70	12	α 04, 11, 57.0 δ -12, 51, 42 R 231, 05, 18.5	H	LWP 2165 1 + 3	154 51 F/0	-0.82 0.08 11.5	L	O	19:59:22	108:00	3	3	2	MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 29 M oct Y 87 — RAW TAPE: D 29 M oct — 1st of 2

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot undov/fys	FOCUS / BKG / THDA	APERTURE	AP. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA050	HD48099	A2	α 06,39,29.5		SWP	19954	-.69	L	O	14:26:12	0:40	7	0	0		WEHRSE
	30	5.1	δ 17,42,00	L	21395	86	.08								MN=	CG
			R , ,		1+1	FO	11.8									
11	HD 101108	A0	α 11,35,40.2		LWP	903	-.78	L		15:31:58	4:48	6	0	3		
	30	8.2	δ 39,01,53	L	2171	6	.08		O	15:39:46	3:12	4	0	3	MN=	11
			R 223,03,46.2		1+2	FO	11.5	S								
11	11	11	α , ,		SWP	902 Fo	-1.56	L		15:47:31	30:00	7	0	1		
			δ , 11 ,	L	21396	2705a	.08		O	16.26:40	2000	4	0	1	MN=	11
			R , ,		1+3	Fo	11.5	S								
11	HD209459	B9V	α 22,00.52.0		LWP	1333	-1.39	L		17.34:31	0:24	7	0			
	22	5.7	δ 11,09,00	L	2172	24	.08		O	17:37:57	0:24	7	0	3	MN=	11
			R 99,07,05.6		1+5	FO	11.5	S								
11	11	11	α , ,		SWP	13276	-1.33	L		17:41:47	0:50	7	0			
			δ , 11 ,	L	21397	57	.08		O	17:45:40	0:50	7	0	0	MN=	11
			R , ,		1+4	FO	11.8	S								
11	—	11	α , ,		SWP	13686	-1.47								gu=de X = 281	
	11		δ , 11 ,	H	21398		.08	L	O	18:11:08	25:00	5	0	1	Y = -1037	11
			R , ,		1+6	FO	12.2								cts -340 MN=	
11	11	11	α , ,		LWP	13270	-1.55								C = 237	
			δ , 11 ,	H	2173	34	.08	L	O	18:49:10	10:00	5	0	3	B = 45	11
			R , ,		1+7	FO	11.8								MN=	
11	11	11	α , ,		SWP	13343									C = 180	
			δ , 11 ,	L	21399	25	.08	L	O	19:15:08	0:15	5	0	0	B = 19	
			R , ,		1+8	FO	12.2								MN=	

OBSERVATORY LOG

DATE: D 29 M oct Y 87 — RAW TAPE: D 29 M oct — 2nd of 2

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot undov/fys	FOCUS / BKG / THDA	APERTURE	AP. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA050	HD79469	B9	α 09,11,45.7		SWP	670	-1.57	L		20:17:55	0:6	7	0	0	B = 19	WEHRSE
	22	3.88	δ 02,31,33	L	21400	104	.08		O						C = 210 MN=	CG
			R 255,38,07.3		1+9	FU	12.2	S		20:21:36	0:6	5	0			
11	11	11	α , ,		LWP	662	-1.57	L		20:25:15	0:2.4	7		0 3		
			δ , 11 ,	L	2174	139	.08		O						MN=	11
			R , ,		1+10	FU	11.8	S		20:28:39	0:3.8	7				
11	11	11	α , ,		SWP	673	-1.57								B = 25	
			δ , 11 ,	H	21401	102	.08	L	O	20:54:53	3:0	5	0	1	C = 217	11
			R , ,		1+11	FU	12.2								MN=	
11	11	11	α , ,		LWP	666	-2.38								B = 44	
			δ , 11 ,	H	2175	132	.08	L	O	21:24:53	1:20	5	0	3	C = 235	11
			R , ,		1+12	FU	11.8								MN=	
			α , ,													
			δ , ,		1+										MN=	
			R , ,													
			α , ,													
			δ , ,		1+										MN=	
			R , ,													
			α , ,													
			δ , ,		1+										MN=	
			R , ,													
			α , ,													
			δ , ,		1+										MN=	
			R , ,													

OBSERVATORY LOG

DATE (D M Y): 30 OCT 83 — RAW TAPE (D M): 30 OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 270	NGC 4151 84	Sf. I 13	α 12, 8, 0.4 δ 39, 41, 02 R 215, 52, 48.3	L	SWP 21408 1+1	217 24 50	-.96 .08 11.5	L	O	14:43:56	50:00	3	5	0	602 X 546 Y 183 333/30 243 DN at CIV 1550 207 DN at CIII] 50 DN cont. MN=	CLAVEL AT
			α , , δ , , R , ,	L	LWP 2181 1+2	204 13 50	-.73 .08 10.5	L	O	15:39:01	30:00	3	5	3	254 DN at Mg II 180 DN above BKG at 2700 Å MN=	
			α , , δ , , R , ,	L	SWP 21409 1+3	193 16 50	-1.44 .08 11.5	L	O	16:15:43	40:00	3	5	1	218 DN at CIV 182 DN at CIII] 50 DN above BKG at 1800 Å. MN=	
			α , , δ , , R , ,	L	LWP 2182 1+4	200 16 50	-2.68 .08 11.2	L	O	17:00:06	30:00	3	5	2	MN=	
PI 048	A0538-66 59	B	α 5, 35, 42.8 δ -66, 53, 40 R 228, 04, 19.7	L	SWP 21410 1+5	BO	-3.40 .08 11.5	L	O	19:13:52	120:00	4	0	1	MN=	VAN DER KLIS AT
			α , , δ , , R , ,	L	LWP 2183 1+6	BO	-1.74 .08 10.8	L	O	21:17:17	30:00	3	0	2	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: 31 OCT 83 — RAW TAPE: 31 OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 082	PKS 2155-304 87	BL Lac 13	α 21, 55, 58.3 δ -30, 27, 53.7 R 114, 46, 59.1	L	SWP 21418 1+1	64 (B.O.) 50	-1.48 .08 11.5	L	O	14:35:40	60:00	3	0	0	MN=	TREVES AT
FE 176	3C 120 84	Seyfert 14	α 4, 30, 31.6 δ 5, 14, 59.9 R 252, 34, 30.7	L	SWP 21419 1+2	(25) BO (50)	-1.64 .08 11.8	L	O	16:32:48	177:00	3	4	1	CIV : 120 DN Lyα : 100 DN MN=	
EE 082	PKS 2155-304 87	BL Lac 13	α 21, 55, 58.3 δ -30, 27, 53.7 R 114, 42, 26.2	L	LWP 2189 1+3	(58) BO (50)	-1.91 .08 10.2	L	O	20:34 16	34:00	4	0	2	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 01 M NOV Y 83 RAW TAPE D 01 M NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f/s	FOCUS BRG THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI 090	HZ Her 59	A 13.0	α 16, 56, 08.6 δ 35, 25, 05 R 136, 48, 03	H	SWP 21426 1+1	67 2 5.0	-1.5 -.1 9.8	L	0	12/46/51	300/0	3	0	3	MN=	Hewitt W.W
	HZ Her 59	A 13.0	α , , δ , , R , ,	H	SWP 21427 1+3	/	-2.31 0.08 12.2	L	0	17:08:59	240;00				Read down at Goddard. MN=	
	HZ HER 59.	A 13.0	α , , δ , , R , ,		FES 1494 1+2					19:15:53					5 kb FES for SWP 21427. MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 2 M NOV Y 83 RAW TAPE D 2 M NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f/s	FOCUS BRG THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 176	PKS 0521-36	BLLac 15	α 5, 21, 12.8 δ -36, 30, 18 R 227, 12, 24.2	L	SWP 21435 1+1	80	-2.68 .08 10.8	L	0	13:00:25	180:00	2	3	1	MN=	TREVES AT
	PG 1351+64 85	QSO 14	α 13, 51, 46.1 δ 64, 00, 28.6 R 188, 46, 44.9	L	SWP 21436 1+2	80	-.95 .08 11.2	L	0	17:07:33	160:00	3	5	1	Lyα : 220 DN MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 3 M NOV Y 83 RAW TAPE D 3 M NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI196	ATI HER 59	>14.5	α 18, 14, 58.7 δ 49, 50, 59 R 125, 44, 19.5	L	SWP 21437 1+1	B.O.	-2.91 0.08 8.5	L	O	12:57:58 13:13:40	12:00 20:00	2	2	1	REF. PT = -5, -211 REF. PT = -27, -205 MN=	HEISE / P.B.
	〃	〃	α , , δ , , R , ,	L	LWP 2206 1+2	B.O.	-2.56 0.08 8.8	L	O	13:29:53	30:00	2	2	2	MN=	〃 / 〃
			α , , δ , , R , ,	L	SWP 21438 1+3	B.O	-1.42 0.08 8.8	L	O	14:13:43 14:26:42	10:00 20:00	2	2	0	REF. PT = -5, -211 REF. PT = -27, -205 MN=	〃 / 〃
			α , , δ , , R , ,	L	LWP 2207 1+4	B.O	-1.18 .08 9.2	L	O	15:15:48	24:00	2	3	1	Cde -518, 151 MN=	〃 / 〃
			α , , δ , , R , ,	L	SWP 21439 1+5	B.O.	-.31 .08 9.2	L	O	15:39:20	30:00	2	2	0	Ref. pt - manual Cde -319, 12 MN=	〃 / 〃
			α , , δ , , R , ,	L	LWP 2208 1+6	B.O.	-1.09 .08 9.8	L	O	16:12:38	24:00	2	3	1	Cde as 151 -518,151 MN=	〃 / 〃
			α , , δ , , R , ,	L	SWP 21440 1+7	B.O	-.66 .08 9.8	L	O	16:40:21	100:00	3	3	1	-319, 12 MN=	〃 / 〃
			α , , δ , , R , ,	L	LWP 2209 1+8	B.O.	0.08 9.1	L	O	18:25:55	36:00	2	0	1	MN=	〃 / 〃

OBSERVATORY LOG

DATE D 3 M NOV Y 83 RAW TAPE D 3 M NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI196	ATI HER 59	>14.6	α 18, 14, 58.7 δ 49, 50, 59 R 125, 44, 19.5	L	SWP 21441 1+9	B.O.	-1.60 0.08 10.5	L	O	19:07:51	39:00	2	0	1	MN=	HEISE / P.B.
			α , , δ , , R , ,		2+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 4 M NOV Y 83 RAW TAPE D 4 M NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/f.s	FOCUS / BRG / THDA	APERTURE	NP. SHOT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE290	NGC4151 84	8I 13	α 12,08,00,4 δ +39,41,02 R 219,35,50.9	L	SWP 21449 1+1	193 18 S/OV	-2.9 0.08 9.2	L	0	12:33:02	50:00	3	5	1	guide: -745, -983 CIV: 229 DN CIII]: 138 DN Lyα: 2px saturated cont. 1800 Å: 210 DN above BKG. BKG	CLAVEL P.B
			α , , δ , , R , ,	L	LWP 2216 1+2	196 9 S/OV	-1.87 0.08 9.2	L	0	13:32:21	30:00	3	5	3	MgI: 229 DN cont. 2800 Å: 43 above BKG MN=	
			α , , δ , , R , ,	L	SWP 21450 1+3	200 23 S/OV	-4.73 0.08 9.5	L	0	14:03:04	50:00	3	5	1	CIV: 248 DN CIII]: 200 DN Lyα: 2 pix Saturated cont 2800: 22 DN above BKG MN=	
			α , , δ , , R , ,	L	LWP 2217 1+4	194 15 S/OV	-1.20 0.08 9.8	L	0	15:02:21	35:00	3	5	4	MgI: 248 DN Continuum: max DN: 152 at 2800 Å ; av DN: 81 MN=	
FA218	BD+40°4227 66	06 I5 8.5	α 20,21,27.3 δ 41,08,31 R 102,07,21.1	L	SWP 21451 1+5	852 91 f/0	-1.51 0.08 10.2	L	0	16:30:57	196:00	3	3	1	MN=	GIOVANNELLI P.B.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 5 M NOV Y 83 RAW TAPE D 5 M NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/f.s	FOCUS / BRG / THDA	APERTURE	NP. SHOT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI Ø43	HD 19356 22	B8.V 3.5-2.1	α 3,4,54.4 δ 40,45,52 R 345,19,40.7	H	SWP 21452 1+1	3564 569 f.u.	-2.27 0.08 8.8	L	0	12:35:56	01:30	7	0	2	MN=	MOLARO P.B.
			α , , δ , , R , ,	H	LWP 2226 1+2	3316 717 f.u.	-2.77 0.08 9.5	L	0	13:40:45	01:00	7	0	2	MN=	
			α , , δ , , R , ,	H	SWP 21453 1+1	3236 688 f.u.	-2.98 0.08 8.8	L	0	14:44:46	01:00	6	0	1	MN=	
			α , , δ , , R , ,	H	LWP 2227 1+4	3410 567 f.u.	-2.63 0.08 9.2	L	0	14:49:05	00:40	7	0	2	MN=	
			α , , δ , , R , ,	H	SWP 21454 1+5	3292 548 f.u.	-3.14 0.08 8.8	L	0	15:45:16	00:50	6	0	1	MN=	
			α , , δ , , R , ,	H	LWP 2228 1+6	3233 502 f.u.	-2.37 0.08 9.2	L	0	15:49:18	00:20	5	0	2	MN=	
			α , , δ , , R , ,	H	SWP 21455 1+7	3211 495 f.u.	-2.22 0.08 8.8	L	0	16:43:24	00:40	6	0	1	MN=	
			α , , δ , , R , ,	H	LWP 2229 1+8	3169 443 f.u.	-2.70 0.08 9.2	L	0	16:47:28	00:20	5	0	2	MN=	

OBSERVATORY LOG

DATE D 5 M Nov Y 81 RAW TAPE D 5 M Nov

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fvs	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXP. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI Ø43	HD 19356 22	B8 V 21-3.5	α 3, 4, 54.4 δ 40, 45, 52 R 345, 19, 40.7	H	SWP 21456 1+9	2785 375 f.u.	-0.65 0.08 9.8	L	O	18:11:57	00:30	5	0	1	MN=	Moe/ J.B.
"	"	"	α , , δ , , R , ,	H	LWP 2230 1+10	12530 461 f.u.	-.65 0.08 9.5	L	O	18:15:33	00:20	5	0	2	MN=	" / "
"	"	"	α , , δ , , R , ,	H	SWP 21457 1+12	2026 309 f.u.	-.82 0.08 9.2	L	O	19:09:00	01:00	5	0	1	MN=	" / "
"	"	"	α , , δ , , R , ,	H	LWP 2231 1+11	1983 309 f.u.	-.82 0.08 9.2	L	O	19:13:13	00:40	5	0	1	MN=	" / "
"	"	"	α , , δ , , R , ,	H	SWP 21458 1+13	1728 245 f.u.	-1.00 0.08 8.8	L	O	19:44:25	01:00	5	0	1	MN=	" / "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 6 M Nov Y 81 RAW TAPE D 6 M Nov

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fvs	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXP. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
			α 5, 51, 25.2 δ 20, 16, 07 R 267, 42, 40.6		FES 1496 1+1										MN=	Moe/RG
FC225	HD 34587 44	G0V 4.4	α , , δ , , R , ,	H	SWP 21462 1+	388 FU	-28 .12 TOS	L	O	12:31:38	845:00 total	8	8	9	Gde -550, 739 169 slo IMAGE TO BE READ MN=	AT GSFC
"	"	"	α , , δ , , R , ,	H	LWP 2235 1+2	393 FU	-1.62 1.07 9.5	L	O	11:11:24	60:0	7	0	2	SWP HANDED OVER EXPOSING. MN=	
"	"	"	α , , δ , , R , ,		1+										MN=	
"	"	"	α , , δ , , R , ,		1+										MN=	
"	"	"	α , , δ , , R , ,		1+										MN=	
"	"	"	α , , δ , , R , ,		1+										MN=	
			α , , δ , ,												MN=	

OBSERVATORY LOG

DATE D M Y: 7 NOV 83 RAW TAPE D M: 7 NOV

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f₃s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE270	N4151 84	~ 12.4	α 12, 8, 0.4 δ 39, 41, 02 R 221, 45, 53.7	L	SWP 21470 1+1	188 22 50	-1.78 .10 9.5	L	0	12:42:11	45:00	3	5	0	Gde 570 140 ck 337 2 pix saturated ~ Lyα MN=	SNIJDERS /RG
"	"	"	α , , δ , ", R , ,	L	LWP 2241 1+2	187 27 50	-2.03 .20 9.5	L	0	13:34:17	30:00	3	5	1	Gde 370 279 cts 326 MN=	"
"	"	"	α , , δ , ", R , ,	L	SWP 21471 1+3	187 27 50	-1.90 .12 10.2	L	0	14:11:20	65:00	3	6	0	MN=	"
"	"	"	α , , δ , ", R , ,	L	LWP 2242 1+4	183 21 50	-1.29 .08 10.2	L	0	15:22:14	35:00	3	5	1	2 pix saturation MN=	"
FI048	LMC X-4 59	07 14.0	α 5, 32, 47.5 δ -66, 24, 13.2 R 219, 29, 10.2	L	SWP 21472 1+5	42 50	-1.76 .08 10.5	L	0	16:55:38	45:00	5	0	0	Gde -66 -365 488 f/o lot of earth scattered light MN=	Van der Klis /RG
"	"	"	α , , δ , ", R , ,	L	LWP 2243 1+6	42 50	-2.17 .08 10.5	L	0	17:47:37	30:00	4	0	2	Gde -265 -225 466 f/o MN=	"
"	A0538-66 59	~B 15.0	α 5, 35, 42.8 δ -66, 53, 40.4 R 220, 4, 49	L	SWP 21473 1+7	8.0	-1.82 .08 10.8	L	0	18:42:32	65:00	4	0	0	Gde 906, 187 148 FO MN=	"
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: 8 NOV 83 RAW TAPE: 8 NOV

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f₃s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE174	MCG8-11-11 84	14.5	α 5, 51, 9.7 δ 46, 25, 49 R 293, 31, 8.1	L	LWP 2244 1+1	29 S/O	-.73 .08 8.2	L	0	13:31:48	90:00	3	3	2	Gde 194, 751 470 cts S/O MN=	Maraschi /RG
"	"	"	α , , δ , ", R , ,	L	SWP 21481 1+	8.0	-.73 .08 8.5	L	0	15:08:16	279:00	2	3	2	Gde 393, 612 531 cts S/O 72 max cnt. local bkg MN= 60	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 9 M NOV Y 83 RAM TAPE D 9 M NOV

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL	CAMERA IMAGE NO. RAM T. FILE	FES CTS ref. p. slot undov/f+s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
F1217	HD245770 59	09.7IIIe ~9.2	α 5, 35, 48 δ 26, 17, 18 R 276, 7, 12.6	~~X~~ H	SWP 21495 1+1	780 3 F0	-1.67 .18 8.5	L	O	13:36:30	52:00	3	0	2	Trail single direct rate d.04615 15 passes wrong DISPERSION MN=	Giovannelli RC
"	"	"	α , , δ , , R , ,	L	LWP 2246 1+2	749 3 F0	-.67 .08 7.8	L	O	16:55:10	3:30	5	0	2	MN=	"
"	"	"	α , , δ , , R , ,	~~X~~ H	SWP R1496 1+3	784 3 F0	-.67 .08 8.8	L	O	17:23:56	143:0	3	0	1	Gde 959, 836 cts 263 f/0 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 10 M NOV Y 83 RAM TAPE D 10 M NOV

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL	CAMERA IMAGE NO. RAM T. FILE	FES CTS ref. p. slot undov/f+s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI 217	HDE245770 59	09.7IIIe 9.2	α 5, 35m, 48 δ 26, 17, 18 R 276, 15, 18.9	L	SWP 21503 1+1	761 3 f/0	-1.0 .08 6.1	L	O	12:26:39	16:00	5	0	0	Gde 382, -1228 cts 206, f/0 MN=	Giovannelli RC
"	"	"	α , , δ , , R , ,	L	LWP 22553 1+2	772 2 f/0	-2.04 .08 6.1	L	O	12:55:21	4:00	5	0	2	Gde 180, -1090 cts 207 MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 21504 1+	757 4 f/0	-1.61 .08 6.5	L	O	13:22:22	385:00	4	0	3	Gde 381, -1226 cts 188 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 11 M NOV Y 83 RAW TAPE D 11 M NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fys	FOCUS BKG THDA	APERTURE	NP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE270	NGC 4151 84	Seyf. 12.4	α 12, 08, 04 δ +39, 41, 02 R 224, 32, 11	L	SWP 21515 1+1	190 15 05	-1.25 0.08 8.8	L	0	130014	45:00	3	5	1	E = 209 C = 59 (1800A) B = 21 (1 pix sat Lyα) MN=	SNIJDERS A.C.
"	"	"	α , , δ , , R , ,	L	LWP 2254 1+2	45 3 FO	-1.99 0.08 8.2	L	0	135002	50:00	4	6	2	C = 158 B = 35 E = 5 pix sat MN=	
"	"	"	α , , δ , , R , ,	L	SWP 21516 1+3	186 28 05	-1.12 0.08 9.2	L	0	144346	66:00	3	6	2	CIV 1 pix sat B = 20 C = 68 MN=	
FI217	HDE 245770 59	X-ray 9.4	α 5, 35, 48.0 δ +26, 17, 18 R 276, 05, 23	L	SWP 21517 1+4	701 / FO	-1.47 0.08 10.2	L	0	161919	55:28	5	0	1	next at (x,y) (127, -93) TRAIL one direction R = 0.09615 C = 234 B = 38	GIOVANNELLI AC
"	"	"	α , , δ , , R , ,	L	LWP 2255 1+5	668 2 FO	-1.28 0.08 8.8	L	0	193241	4:00	6	0	1	B = 33 C = 6 pix sat MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 12 M NOV Y 83 RAW TAPE D 12 M NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/fys	FOCUS BKG THDA	APERTURE	NP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI066	TV COL 56	Cat. Var 13.8	α 5, 27, 34.5 δ -32, 51, 22 R 219, 11, 15	L	LWP 2258 1+1	b.o.	-2.51 0.08 7.2	L	0	125747	30:00	3	0	1	FDE(-418,271) 706 FO C = 107 E = 125 B = 39 MN=	HILL AC.
"	"	"	α , , δ , , R , ,	L	SWP 21522 1+2	"	-2.03 0.08 7.5	L	0	133251	30:00	3	3	1	FDE(-219,82) C = 61 B = 20 E = 58 MN=	
"	VY SCL 54	Cat Var 18	α 23, 26, 21.4 δ -30 3, 16 R 124, 17, 15	L	SWP 21523 1+3	b.o.	-1.50 0.08 7.8	L	0	150133	120:00	3	4	2	FDE(643,-341) 40/50 SIV 89 CIV 164 B = 27 C = 20(190 MN=	
"	"	"	α , , δ , , R , ,		LWP 2259 1+4	b.o.	-1.06 .08 7.5	L	0	170750	159:00	5	5	3	FDE(445,-20) 400 FO C = 199 E = 219 B = 50 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 13 M NOV Y 83 — RAW TAPE: D 13 M NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI∅66	TV COL 54	Cat. Var 13.8	α 5 , 27 , 34.5 δ -32 , 51 , 22 R 218 , 7 , 11	L	LWP 2260 1 + 1	b.o.	-1.90 0.08 10.2	L	O	130524 132050	12:00 12:00 24:00	3	3	2	DOUBLE EXPOSURE AT (-94, 48)(-118, 53) C = 71 B = 34 E = 81 MN=	HILL AC
"	"	"	α , , δ , , R , ,	L	LWP 2261 1 + 2	b.o.	-1.64 0.08 11.2	L	O	140654	12:00	3	3	2	C = 72 B = 32 E = 74 MN=	
–	PG1012-29 54	Cat V. 14.8	α 10 , 12 , 37.2 δ -2 , 53 , 34 R 252 , 19 , 36.7	L	SWP 21533 1 + 3	b.o.	-1.64 0.08 12.2	L	O	15 1356	40:00	2	3	1	GDE(-129, 664) C = 46 E = 105 B = 17 MN=	
–	–	–	α , , δ , , R , ,	L	LWP 2262 1 + 4	b.o.	-1.56 0.08 11.2	L	O	160625	40:00	3	3	1	GDE(328, 801) C = 101 B = 36 E = 112 MN=	
–	–	–	α , , δ , , R , ,	L	SWP 21534 1 + 5	b.o.	-2.33 0.08 11.5	L	O	164539	40:00	2	4	1	E = 120 B = 17 MN=	
	–		α , , δ , , R , ,	L	SWP 21535 1 + 6	b.o.	-1.81 0.08 11.8	L	O	174932	40:00	2	4	1	E = 105 B = 19 C = 50 MN=	
			α , , δ , , R , ,	L	SWP 21536 1 + 7	b.	-1.59 0.08 12.2	L	O	18 5300	54:00	3	4	2	E = 166 B = 24 C = 62 MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 14 M NOV Y 83 — RAW TAPE: D 14 M NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI∅66	UY SCL 54	CV 16	α 23 , 26 , 21.4 δ -30 , 3 , 16 R 123 , 22 , 55	L	SWP 21542 1 + 1	b.o.	-2.98 0.08 9.8	L	O	145246	230:00	3	4	2	TARGET 13 cts (slow) BK 8 cts (slow) GDE (647, -344) MN=	HILL AC
			α , , δ , , R , ,	L	LWP 2267 1 + 2	b.o.	-1.81 0.08 8.8	L	O	184943	58:00	3	0	2	C = 74 B = 37 MN=	
			α , , δ , , R , ,		1 +										SWP 21542 C = 105 B = 40 E = 144 (CIV), 95 SiIV 88 (HeII) MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 15 NOV 83 — RAW TAPE D M: 15 NOV

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE270	NGC4151 84	Sey f 12.4	α 12, 8, 0.4 δ +39, 41, 02 R 277, 11, 31	L	SWP 21547 1+1	182 27 SO	-1.46 0.08 9.8	L	O	124459	50:00	3	5	1	CIV 224, HeII 104 B=21 C IV 172 MN=	ELVIUS AC
"	"	"	α , , δ , , R , ,	L	LWP 2269 1+2	180 15 SO	-1.73 0.08 8.5	L	O	133849	30:00	3	5	3	MgII 229 C = 96 B=40 MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 21548 1+3	182 21 SO	-1.21 0.08 9.8	L	O	141423	60:00	3	5	1	CIV 245 C IV 195 B=20 C=66 MN=	"
			α , , δ , , R , ,	L	LWP 2270 1+4	190 13 SO	-0.52 0.08 9.2	L	O	151839	35:00	3	5	3	C= 96 MgII = 226 B = 38 MN=	
FC201	HD32918 47	K1III p 8.6	α 4, 59, 50.4 δ -75, 20, 59 R 203, 51, 43	L	LWP 2271 1+5	1659 5 FO	-1.92 0.08 9.8	L	O	165938	20:00	5	7	1	406(-110,577) 444 50 C=215 B=34 MgII sat. MN=	CASSATELLA AC
"	—		α , , δ , , R , ,	L	SWP 21549 1+8	1633 2 FO	-2.30 0.08 9.2	L	O	172415 181452 190554	35:00 30:00 41:00 106:00	2	3	1	406(-12,395) NV 55, CII 65, OI 63 SiIV 53 CIV 94 HeII 82 SiII 78 B = 27 MN=	
"		—	α , , δ , , R , ,	L	LWP 2272 1+6	1660 4 FO	-2.30 0.08 9.8	L	O	180130	10:00	4	6	1	C= 147 B = 36 MgII 8 pix sat MN=	
"	—	—	α , , δ , , R , ,	H	LWP 2273 1+7	1649 1 FO	-2.52 0.08 9.8	L	O	185119	10:00	0	3	1	B=40 MgII 70 MN=	

OBSERVATORY LOG

DATE: 16 NOV 83 — RAW TAPE: 16 NOV

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	BD284211 12	Op 10.53	α 21, 48, 56 δ 28, 37, 35 R 103, 34, 48.7	L	LWR 17001 1+1	227 1 FO	-2.00 0.18 13.2	L	O	12:55:40	1:00	5	0	1	UVC at 5kV RDPREP BCK = 25DN CNT = 149 MN=	HASSALL
	BD284211 12	Op 10.53	α , " , δ , , R , ,	L	LWR 17002 1+2	248 1 FO	-1.22 0.08 13.8	L	O	13:20:18	1:22	5	0	1	UVC -4.5kV RDPREP -5 kV CFBCK = 190 BCK 30 MN=	
	BD284211 12	"	α , " , δ , , R , ,	L	LWR 17003 1+	249 1 FO	-0.44 0.08 14.8	L	O	13:51:08	1:22	5	0	2	UVC -4.5kV RDPREP -4.5kV BCK 31 CNT 190 MN= 493	
	ZETA CAS 20	" 3.68	α 00, 34, 10 δ 53, 37, 19 R 59, 26, 38.8	H	LWR 17004 1+4	914 130 FU	-1.29 0.10 15.2	L	O	14:30:23	0:21	4	0	2	BCK 35 CNT 170 Normal Voltages 5kV MN=	
	"	"	α , " , δ , " , R , ,	H	LWR 17005 1+5	932 FU	-1.31 0.14 15.2	L	O	14:55:27	0:28.5	4	0	2	UVC -4.5KV RDPR -5KV BCK 36 CNT 170 MN=	
	" —	"	α , " , δ , , R , ,	H	LWR 17006 1+6	916 FU	-1.40 0.08 15.5	L	O	15:19:54	0:28.5	4	0	2	UVC -4.5KV RDPR -4.5KV BCK 36 CNT 170 MN=	
	NULL 99		α , " , δ , , R , ,		LWP 2279 1+7					15:34:55					NULL READ AFTER TURN ON. MN=	
	NULL 99		α 0, 0, 0 δ 0, 0, 0 R , ,		SWP 21655 1+8					15:55:00					SWP BASELINE NULL HIGH GAIN RD. MN=	

OBSERVATORY LOG

DATE D 16 M NOV Y 83 RAW TAPE D 16 M NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ent. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	60% CALUV 99		α 00 , 00 , 06 δ 00 , 00 , 00 R , ,		SWP 21556 1 + 9		-1.94 0.08 10.5			16:21:59	1:49				FINAL UV TEMP = 35 MN=	HASSALL
	20% CALUV 99		α , , δ , , R , ,		SWP 21557 1 + 10		-2.05 0.08 10.8			16:48:07	0:36				FINAL UV TEMP=33 MN=	
	120% CALUV 99		α , , δ , , R , ,		SWP 21558 1 + 11		-2.60 0.08 11.2			17:13:31	3:38				FINAL UV TEMP=39 MN=	
	60% CALUV 99		α , , δ , , R , ,		SWP 21559 1 + 12		-2.61 0.08 10.8			17:41:21	1:49				FINAL UV TEMP=36 MN=	
	100% TFLOOD 99		α , , δ , , R , ,		SWP 21560 1 + 13		-1.87 0.08 11.2			18:06:12	0:16				MN=	
	160% CALUV 99		α , , δ , , R , ,		SWP 21561 1 + 14		-1.87 0.08 11.2			18:36:46	4:51				FINAL UVF = 44 MN=	
	NULL 99		α , , δ , , R , ,		SWP 21562 1 + 15					18:54:40					Simple RDPROC MN=	
	NULL 99		α , , δ , , R , ,		SWP 21563 1 + 16					19:26:00					High Gain Read MN=	

OBSERVATORY LOG

DATE 16 NOV 83 RAW TAPE 16 NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ent. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	NULL 99		α 0 , 0 , 0 δ , , R , ,		SWP 21564 1 + 17					19:46:00					LO gain Read. MN=	HASSALL
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y 17 NOV 83 RAW TAPE D M 17 NOV

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undev/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EIØ3Ø	AØ538-66 59	14.5	α 5, 35, 42.8 δ -66, 53, 40.4 R 210, 11, 44.7	L	SWP 21568 1 + 1	B.O	-0.98 0.08 10.5	L	O	14:44:06	90:00	3	0	1	B.O. of A x = 841 y = 313 BCK = 22 CNT = 90 MN=	BONNET-BIDAUD BH
	AØ538-66 59	14.5	α " δ " R "	L	LWP 2283 1 + 2	B.O	-0.52 0.08 10.5	L	O	16:20:06	90:00	3	0	2	B.O of A x = 642 y = 452 Tgt at ref pt. BK = 10 CNT = 98 MN= S.O.	
	LMCX-4 59	14.0	α 5, 32, 47.5 δ -66, 24, 13.2 R 209, 22, 0.0	L	SWP 21569 1 + 3	B.O	-1.29 0.08 10.8	L	O	18:23:37	65:00	5	0	0	B.O of x = -12 y = -395 BCK = 120 CNT = 170 Tgt. 42cts at RP. MN=	
	59. LMCX-4	14.0	α , " δ , , R , ,	L	LWP 2284 1 + 4	B.O	-1.30 0.08 11.5	L	O	19:13:51	33:00	4	0	3	B.O of 458 F.O x = -210 y = -257 BCK 43 MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y 18 NOV 83 RAW TAPE D M 18 NOV

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undev/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE164 +162	MKN 266 84	14.4	α 13, 36, 14.7 δ +48, 31, 48.8 R 223, 0, 0	L	LWP 2291 1 + 1	32 — 50	-1.61 0.08 11.5	L	O	13:20:45 14:07:34	25:0 327:0	3	0	4	Nothing in aperture Restart with B.0 proc. MN=	KOLLATSCHNY BH
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 19 NOV 83 — RAW TAPE (D M): 19 NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EE 270	NGC 4151 84	12.4	α 12 , 08 , 00.4 δ +39 , 41 , 02 R 229 , 47 , 43.0	L	LWP 2296 1 + 1	188 13 SO	-0.52 0.08 9.2	L	O	12:27:36	30:00	3	5	2	MN=	ELVIUS / BH
	NGC4151 "	"	α , " , δ , , R , ,	L	SWP 21578 1 + 2	184 15 SO	-1.34 0.08 10.2	L	O	13:02:05	120:00	3	6	1	12 px sat at CIII. MN=	
	NGC4151	"	α , " , δ , , R , ,	L	LWP 2297 1 + 3	190 19 SO	-2.08 0.08 9.9	L	O	15:09:35	40:00	3	6	2	MN=	
FA 152	HD138629 30	A3 4.9	α 15 , 29 , 59.5 δ 41 , 04 , 05.0 R 181 , 36 , 03.7	H	SWP 21579 1 + 4	23678 59 FO	-1.03 0.08 10.2	L	O	16:36:35	80:00	6	C	1	saturated λ > 1700 MN=	DOAZAN / BH
	HD200120 20	B1 4.7	α 20 , 58 , 07.4 δ 47 , 19 , 30 R 110 , 02 , 245	H	SWP 21580 1 + 5	26333 74 FO	-1.35 0.08 11.2	L	O	18:38:03	1:30	5	C	1	MN=	
	HD5394 20	BO.5IVe 2.4	α 00 , 53 , 40.3 δ 60 , 26 , 46.9 R 53 , 15 , 10.3	H	SWP 21581 1 + 6	8771 526 FU	-1.35 0.08 11.2	L	O	19:25:55	0:8	5	O	1	MN=	
	HD5394 20	"	α , " , δ , , R , ,	H	LWP 2298 1 + 7	3581 697 FU	-0.92 0.08 10.2	L	O	19:28:45	0:7	5	0	3	MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 20 NOV 83 — RAW TAPE (D M): 20 NOV

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC201	HD32918 4.7	K1 III 8.6	α 04 . 59 , 50.4 δ −75 20 59 R 199 , 01 , 32.1	L	LWP 2301 1 + 1	1606 7 FO	-3.5 0.58 8.2	L	O	12:33:15 12:55:39	18:0 8:0	5 3	7 4	2 2	FOCUS. −3.78 BG 0.24 THDA 8.5 74 cb~ MN=.	CASSATELLA / BH SAPE: 110 LAP C: 211 B: 39
	"	"	α , " , δ , , R , ,	L	SWP 21593 1 + 15	1595 8 FO	-3.16 0.22 8.5	L	O	13:42:25	220:00	2	4	2	NV 84 CII 114 SiIV 90 CIV 129 HeII 139 NIII 140 BG 30 MN=	
PHCAL	NULL 99		α 0 . 0 . 0 δ 0 . 0 . 0 R , ,		LWR 17007 1 + 2		/			13:57:00	—				LWR Baseline NULL HIGH GAIN RD. MN=	HASSALL
"	60% CALUV 99		α , " , δ , , R , ,		LWR 17008 1 + 3		-3.0 0.08 12.2			14:17:36	1:53				FINAL UV TEMP=38 MN= 482	
"	20% CALUV 99		α , " , δ , , R , ,		LWR 17009 1 + 4		-2.89 0.08 13.2			14:51:08	0:38				FINAL UV TEMP=36 MN=	
"	120% CALUV 99		α , " , δ , , R , ,		LWR 17010 1 + 5		-2.76 0.08 13.5			15:19:48	3:46				FINAL UV TEMP=41 MN=	
"	60% CALUV 99		α , " , δ , , R , ,		LWR 17011 1 + 6		-1.89 0.08 13.8			15:52:07	1:53				FINAL UV TEMP=38 MN= 490	
"	100% TFLOOD 99		α , " , δ , , R , ,		LWR 17012 1 + 7		-1.80 0.08 14.5			16:20:16	0:22				MN=	

OBSERVATORY LOG

DATE: D 20 M NOV Y 83 RAW TAPE D 20 M NOV

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	160% CAL UV 99		α 0 , 0 , 0 δ 0 , 0 , 0 R , ,		LWR 17013 1 + 8		-1.68 0.08 14.5			16:53:45	5:01				FINAL UV TEMP = 39 MN=	HASWELL
	NULL 99		α , " , δ , , R , ,		LWR 17014 1 + 9		/			17:09:00					Simple RDPREP MN=	
	NULL 99		α , " , δ , , R , ,		LWR 17015 1 + 10		/			17:29:00					High Gain Read. MN=	
	NULL 99		α , " , δ , , R , ,		LWR 17016 1 + 11		/			17:49:00					Low Gain Read MN=	
	NULL 99		α , " , δ , , R , ,		LWP 2302 1 + 12					/					After Cam Switch MN=	
FC201	HD36705 44	G0 6.9	α 5 , 28 , 358 δ -65 , 29 , 19 R , ,	L	LWP 2303 1 + 13	5054 .9 OF	-2.00 0.08 8.8	L S	O O	185353 185732	0:40 3:00	4 3	5 0	1 1	C = E = B C = 154 MN=	
FE105	NGC 2164 83	GC 11.7	α 5 , 58 , 56 δ -68 , 31 , 0 R 212 , 20 , 48.3	L	SWP 21594 1 + 14	348 / 50	-2.00 0.08 10.5	L	O	193622	11:00	3	0	1	C = 44 B = 19 MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: 21 NOV 83 RAW TAPE 21 NOV

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 162	MKN 1027 88	Em. Galaxy N15	α 2 , 11 , 28.4 δ 4 , 56 , 24 R 125 , 24 , 59.1	L	SWP 21604 1 +	BO	-2.12 .08 10.8	L	O	13:23:18	384:00	3	0	3	GDE X: 795 Y: -1092 136/50 MN=	KOLLATSCHNY P.B.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG
gSFC Support.

DATE D M Y 22 Nov 83 RAW TAPE D M 22 Nov

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI048	LMC X-4 13	OI 13.5	α 5 , 32 , 47.5 δ -66, 24 , 13.2 R 204, 42 ; 21	L	LWP 2312 1 + 1	44 10 5.0	-1.8 .54 8.5	L	0	12/04/25	45/00	5	0	3	2600 188 nel Bg 46 MN= .	WW WW.
"	"	"	α , , , δ , , , R , ,	L	SWP 21610 1 + 2	48 11 5.0	-2.8 .08 8.2	L	0	12/56/22	45/0	5	0	0	gOE 7, -399 1300 Aᵘ 194 DN Bg 17 DN MN=	uW due dispersal Y 493 - 489 W ✓
			α , , δ , , R , ,	L	LWP 2313 1 + 3	50 11 50	-2.17 .08 8.5	L	O	13/47/39	41/0	5	0	2	2600 174 Ael. Bg 38 MN=	
			α , , δ , , R , ,	L	SWP 21611 1 + 4	45 6 5.0	-1.60 .08 8.5	L	0	14/35/12	45/0	5	0	0	1300 194 nel Bg 16 MN=	
			α , , δ , , R , ,	L	LWP 2314 1 + 5	48 13 5.0	-1.9 .08 8.5	L	O	15/27/12	45/0	5	0	2	2600 154 nel Bg 38 MN=	
			α , , δ , , R , ,	L	SWP 21612 1 + 6	57 15 5.0	-1.8 .08 8.8	L	0	16/18/39	45/0	5	0	0	1300 nel 209 DN Bg 17 MN=	
			α , , δ , , R , ,	L	LWP 2315 1 + 7	56 30 50	-2.55 .08 8.8	L	0	17/09/51	45/0	5	0	2	2600 202. Bg 39 MN=	
			α , , δ , , R , ,	L	SWP 21613 1 +	45 11 5.0	-2.54 .08 8.8	L	O	18/01/44	45/0	5	0	0	185 nel 1300 Bg 16 MN=	

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OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI048	LMC X-4 13	OB 13.5	α 5 , 32 , 47.2 δ -66, 24 , 13.2 R 204, 42 , 21	L	LWP 2316 1 +	43 14 5.0.	-2.02 .08 9.2	L	O	18/48/57	41/00	5	0	3	194 nel 1300 Bg 44 MN=	W W
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 23 M Nov Y 83 — RAW TAPE: D 23 M Nov

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.o	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI030	A0538-66 / 59	— / 14.	α 5, 35, 42.8 / δ −66, 53, 40.0 / R 204, 8, 49	L	LWP / 2324 / 1 + 1	B/0	−3.1 / .08 / 11.5	L	0	14/33/28	180/0	5	6	2	Bg 38, Max 190, 40pix sat., Sum A X 586 Y 538, MN=	Wamsteker / W.W.
"	"	"	α , , / δ " , " , " / R , ,	L	SWP / 21624 / 1 + 2	B/0	−2.79 / .08 / 10.2	L	0	16/18/54	80/0	4	1	0	Sum A {795 X, 338 Y}, Max 1300142, Bg 19, MN=	
"	LMCX-4 / 13	OB / 13.5	α 5, 32.47 / δ −66, 24, 13 / R 203, 20, 42	L	LWP / 2325 / 1 + 3	39 / 20 / 5.0	−3.12 / .08 / 11.2	L	0	18/02/32	45/0	5	1	2	Bg 39, Max 204, 2600 2pix sat, MN=	
			α , , / δ , , / R , ,	L	SWP / 21625 / 1 + 4	38 / 9 / 5.0	−2.35 / .08 / 11.2	L	0	18/54/03	45/0	5	1	0	Bg 15, Max 195, MN=	
			α , , / δ , , / R , ,		1 +										MN=	
			α , , / δ , , / R , ,		1 +										MN=	
			α , , / δ , , / R , ,		1 +										MN=	
			α , , / δ , , / R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: [illegible] Nov 83

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.o	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	ITF level 11		α , , / δ , , / R , ,	H	LWR / 17031 / 1 +		−3.29 / .3 / 14.8		C	12/20/12	6/52				246 DN, MN=	WAMSTEKER / W.W
"	level 5		α , , / δ , , / R , ,	H	LWR / 17032 / 1 +		−4.16 / .4 / 15.2		C	13/06/39	2/12				140 DN, MN=	"
"	level 8		α , , / δ , , / R , ,	H	LWR / 17033 / 1 +		−4.17 / .2 / 15.2		C	13/43/00	4/23				205 DN, MN=	"
"	level 2		α , , / δ , , / R , ,	H	LWR / 17034 / 1 +		4.18 / .12 / 15.2		C	14/23/30	0/38				71 DN, MN=	"
"	level 4		α , , / δ , , / R , ,	H	LWR / 17035 / 1 +		−4.76 / .28 / 15.2		C	15/01/37	1/34				114 DN, MN=	"
"	level 5		α , , / δ , , / R , ,	H	LWR / 17036 / 1 +		−4.76 / .30 / 15.2		C	15/37/57	2/12				138 DN, MN=	"
"	level 3		α , , / δ , , / R , ,	H	LWR / 17037 / 1 +		−4.84 / .15 / 15.2		C	16/16/09	1/15				100 DN, MN=	"
"	level 7		α , , / δ , , / R , ,	H	LWR / 17038 / 1 +		−5.38 / .20 / 15.2		C	16/53/10	3/27				176 DN, MN=	"

OBSERVATORY LOG

DATE: D 24 M Nov Y 83 RAW TAPE D 24 M Nov

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	ITF level 12		α , , δ , , R , ,	H	LWR 17039 1+		-4.9 .08 15.2		C	17/28/59	8/28				252 DN MN=	WAMSTEKER WW.
"	level 9		α , , δ , , R , ,	H	LWR 17040 1+		-5.05 .08 15.2		C	18/17/43	5/01				224 DN MN=	" "
"	level 5		α , , δ , , R , ,	H	LWR 17041 1+		-5.07 .08 15.2		C	19/01/07	2/12				MN=	" "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	ITF level 4		α , , δ , , R , ,	H	LWR 17067 1+		-1.51 .08 13.3		C	12/26/54	1/34				110 DN MN=	WAMSTEKER WW
"	level 2		α , , δ , , R , ,	H	LWR 17068 1+		-1.49 .08 14.2		C	13/05/21	0/38				70 DN MN=	" "
"	level 5		α , , δ , , R , ,	H	LWR 17069 1+		-1.39 .08 13.8		C	13/53/09	2/12				135 DN MN=	" "
"	level 10		α , , δ , , R , ,	H	LWR 17070 1+		-1.34 .10 14.2		C	14/30/43	5/38				228 DN MN=	" "
"	level 12		α , , δ , , R , ,	H	LWR 17071 1+		-1.39 .08 14.2		C	15/04/36	8/28				252 DN MN=	" "
"	level 4		α , , δ , , R , ,	H	LWR 17072 1+		-.90 .08 14.2		C	15/54/14	1/34				110 DN MN=	" "
"	level 8		α , , δ , , R , ,	H	LWR 17073 1+		-1.69 .08 14.2		C	16/30/32	4/27				204 DN MN=	" "
"	level 5		α , , δ , , R , ,	H	LWR 17074 1+		-2.13 .08 14.5		C	17/11/28	2/12				138 DN MN=	" "

OBSERVATORY LOG

DATE D 15 M Nov Y 81 RAW TAPE D 25 M Nov

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot vndov/f.n	FOCUS DAC THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	ITF level 9		α ' " δ ' " R ' "	H	LWR 17075 1+		-2.49 .08 14.5		C	17/52/39	5/01				2170M MN=	WAMSTEKER LWW
"	level 10		α ' " δ ' " R ' "	H	1+		-3.00 .08 14.5		C	18/31/41	5/38				2210M MN=	"
"	level 11		α ' " δ ' " R ' "	H	1+		-3.51 .08 14.5		C	19/11/27	6/54				2470M MN=	"
"	level 7		α ' " δ ' " R ' "	H	1+		-3.51 .08 14.5		C	19/53/03	7/27				MN=	"
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot vndov/f.n	FOCUS DAC THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	ITF level 8		α ' " δ ' " R ' "	H	LWR 17104 1+		-.99 .08 13.8		C	12/13/33	4/23				2030M MN=	WAMSTEKER LWW
"	level 6		α ' " δ ' " R ' "	H	LWR 17105 1+		-.99 .08 14.2		C	12/55/54	2/49				1580M MN=	"
"	level 4		α ' " δ ' " R ' "	H	LWR 17106 1+		-.90 .08 14.2		C	12/35/11	1/34				1110M MN=	"
"	level 2		α ' " δ ' " R ' "	H	LWR 17107 1+		-.90 .08 14.2		C	14/13/22	0/38				690M MN=	"
"	level 5		α ' " δ ' " R ' "	H	LWR 17108 1+		-1.27 .08 14.2		C	14/50/07	2/12				1340M MN=	"
"	Null		α ' " δ ' " R ' "	H	LWR 17109 1+		-1.26 .08 14.5		C	15/20/0					40 MN=	"
"	Null		α ' " δ ' " R ' "	H	LWR 17110 1+		-1.26 .08 14.5		C	16/04					41 MN=	"
"	Null		α ' " δ ' " R ' "	H	LWR 17111 1+		-1.26 .08 14.2		C	16/26					41 MN=	"

OBSERVATORY LOG

DATE D 26 M Nov Y 82 RAW TAPE D 26 M Nov

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS enf. p. slot undov/f.n	FOCUS DAG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	ITF level 5		α ' " δ ' " R ' "	H	LWR 17112 1+		-.82 .08 14.5		C	17/07/25	2/12				137 DM MN=	WAMSTEKER WW
"	level 12		α ' " δ ' " R ' "	H	LWR 17113 1+		-.82 .08 14.5		C	17/42/04	8/28				252 DM MN=	"
"	level 9		α ' " δ ' " R ' "	H	LWR 17114 1+		-.38 .08 14.5		C	18/24/26	5/01				219 DM MN=	"
"	level 2		α ' " δ ' " R ' "	H	LWR 17115 1+		-.38 .08 14.5		C	19/05/41	0/38				68 DM MN=	"
"	level 11		α ' " δ ' " R ' "	H	LWR 17116 1+		-.38 .08 14.5		C	19/43/22	6/54				MN=	"
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	
			α ' " δ ' " R ' "		1+										MN=	

OBSERVATORY LOG

DATE D 27 M Nov Y 82 RAW TAPE D 27 M Nov

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS enf. p. slot undov/f.n	FOCUS DAG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	ITF level 7		α ' " δ ' " R ' "	H	LWR 17138 1+		-1.69 .08 13.8		C	12/07/07	3/27				170 MN=	WAMSTEKER WW
"	level 10		α ' " δ ' " R ' "	H	LWR 17139 1+		-1.69 .08 14.2		C	12/45/44	5/38				226 MN=	"
"	level 6		α ' " δ ' " R ' "	H	LWR 17140 1+		-1.25 .08 14.2		C	13/26/26	2/49				156 MN=	"
"	level 5		α ' " δ ' " R ' "	H	LWR 17141 1+		-1.61 .08 13.2		C	14/09/24	2/12				130 MN=	"
"	Mull		α ' " δ ' " R ' "	H	LWR 17142 1+		-1.61 .08 14.2		C	14/41/00					40 MN=	"
"	Mull		α ' " δ ' " R ' "	H	LWR 17143 1+		-1.61 .08 14.5		C	15/03					41 MN=	"
"	Mull		α ' " δ ' " R ' "	H	LWR 17144 1+		-1.61 .08 14.5		C	15/39					40 MN=	"
"	Mull		α ' " δ ' " R ' "	H	LWR 17145 1+		-1.61 .08 14.5		C	16/02					42 MN=	"

OBSERVATORY LOG

DATE: D 27 M Nov Y 83 RAW TAPE: D 27 M Nov

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	ITF level 5		α , , δ , , R , ,	H	LWR 17146 1 +		-1.17 .08 14.5		C	16/39/36	2/12				131. ON MN=	WAMSTEKER WW.
"	level 4		α , , δ , , R , ,	H	LWR 17147 1 +	|	-.73 .08 14.5		C	17/17/39	1/34				108 MN=	"
"	level x		α , , δ , , R , ,	H	LWR 17148 1 +		-.73 .08 14.5		C	17/56/10	0/13				MN=	"
"	level x		α , , δ , , R , ,	H	LWR 17149 1 +		-.73 .08 14.5		C	18/36/55	0/09				40 MN=	"
"	level x		α , , δ , , R , ,	H	LWR 17150 1 +		-.73 .08 14.5		C	19/16/56	6/16				MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: 28 Nov 83 RAW TAPE: 28 Nov

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FC055	HD 62509 47	Me 1.1	α 7, 42, 15 δ +28, 8, 55 R 266, 9, 11	H	SWP 21633 1 +	6752 1146 F/4	-1.78 .43 7.8 -1.43	L	O	9/58/55 10/29/50 18/09/17	30/0 445/0 445/0				MN=	WAMSTEKER WW.
			α , , δ , , R , ,		1 +		.08 8.8			total	90/6 1010				MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

H/O exposing to GSFC.

OBSERVATORY LOG

DATE D 29 M Nov Y 82 RAW TAPE D 29

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS DKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRO
FE176	PKS 2155-306 85	13.0	α 21,55,58 δ -30,27,54 R 106,12,27	L	LWP 2330 1+1	B/0	-3.26 .08 11.2	L	O	12/44/31	60/0	4	0	2	rel OM 155 lg 37 MN=	WAMSTER WW
"	"	13.3	α , , δ , , R , ,	L	SWP 21637 1+2	82 3 OV.5	-2.50 .10 8.2			13/48/05	120/0	4	0	0	rel ON 139 lg 18 MN=	WAMSTEK W.W.
FI007	A0311-227 59	14.2	α 3,12,00.0 δ -22,46,48 R 158,43,30	L	SWP 21638 1+3	36 6 5.0	-2.59 .08 8.8	L	O	16/50/57	80/0	3	5	0	Cont 1700 rel 33 CIV 180 rel. lg 17 MN=	WAMSTEK WW.
"	"	"	α , , δ , , R , ,	L	LWP 2331 1+4	36 3	-2.39 .08 9.2	L	O	18/14/40	40/0	2	3	0	cont 39 rel MgII 65 rel. lg 20 MN=	" "
"	"	"	α , , δ , , R , ,	L	SWP 21639 1+5	37 6 5.0	-2.10 .08 9.2	L	O	18/58/39	50/0	2	4	0	not completely centered due to color mask MN=	" "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 30 M Nov Y 82 RAW TAPE D 30 Nov

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS DKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE176	PKS0521 -436	15	α 5,21,12 δ -36,30,18 R 195,36,36	L	SWP 21647 1+	14 5.0	-2.12 .08 9.8	L	O	21/27/01	283/0	3	3	3	lg 48 rel 26 lg 57 MN=	WAMSTEKER Nancy Oliver
"	"	"	α , , δ , , R , ,	L	LWP 2340 1+	14 5.0	-1.28 1.14 9.8	L	O	02/10/41	60/0	3	0	3	lg 48 rel 25 MN=	" "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE (D M Y): 1 DEC 83 — RAW TAPE (D M): 1 DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f/s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM 185	1704+608 85	φSO 15.3	α17 ,04 ,03.4 δ+60 ,48 ,31.5 R171 ,01 ,57.9	L	SWP 21653 1 + 1	B.O.	-2.17 0.08 9.2	L	O	10:34:07	240:00	3	4	2	GDE: x= 494 y= 408 cts: 162 F/0. MN=	AWH for Blades.
"	SKY BACKGROUND 07	" "	α " , " , " δ " , " , " R " , " , "	L	LWP 2346 1 +		-2.36 0.08 9.5	L	O	11:33:57	total = 760:00	1	0	9	Bgd check for SWP 21653. READ AT GSFC MN=	"
"	1704+608 85	φSO 15.3	α17 ,04 ,03.4 δ+60 ,48 ,31.5 R171 ,01 ,57.9		SWP 21654 1 +	B.O.	-1.82 0.08 10.8	L	O	15:16:54	total = 330:00	3	3	5	GDE: as above. READ AT GSFC MN=	"
"	" "	" "	α " , " , " δ " , " , " R " , " , "		FES 1499 1 + 2					16:35:00					ref. image for SWP 21654 MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 2 DEC 83 — RAW TAPE (D M): 2 DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f/s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM185	0219+428 85	φSO 15.5	α02 ,19 ,30.0 δ42 ,48 ,29.9 R62 ,41 ,39	L	SWP 21662 1 + 1	B.O.	-2.56 0.6 11.2	L	O	10:27:02	240:00	3	1	2	GDE: X= 399 Y=1231 CTS= 1478 F/0 MN=	AWH for Blades
"	Sky Background 07		α " , " , " δ " , " , " R " , " , "	L	LWP 2347 1 +	"	-1.48 0.08 10.2	L	O	11:33:53	440:00	0	0	7	Sky bgd. for SWP 21662 READ AT GSFC MN=	"
"	0219+428 85	φSO 15.5	α " , " , " δ " , " , " R " , " , "	L	SWP 21663 1 +	B.O.	-1.83 0.08 13.2	L	O	14:50:23	300:00	3	1	5	GDE: as above READ AT GSFC MN=	"
"	" "	" "	α " , " , " δ " , " , " R " , " , "		FES 1500 1 + 2					15:10:00					Field for SWP 21663 MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 3 M DEC Y 83 RAW TAPE D 3 M DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS / IMG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM185	0219+428 85	φSO 15.5	α 02 19 30.0 δ 42 48 29.9 R 64 06 44.7	L	SWP 21674 1+1	B.0	-1.96 1.00 8.8	L	O	10:09:50	240:00	3	1	2	GDE : X=426 Y=1230 CTS : 1537 F/O MN=	AWH for Blades
"	Sky Background 07		α δ R	L	LWP 2349 1+2	B.0	-1.96 1.00 7.8	L	O	10:11:49	240:00	0	0	3	Sky bgd for SWP 21674 MN=	"
"	0119-013 85	φSO 15.2	α 01 19 26.5 δ -01 18 05.5 R 119 03 39.5	L	SWP 21675 1+	B.0.	-2.12 0.08 8.8	L	O	15:26:58	300:00	3	3	5	GDE : X=-591 Y=1188 CTS : 193 S/O READ AT GSFC MN=	"
"	Sky Background 07		α δ R	L	LWP 2350 1+	B.0.	-2.12 0.08 8.8	L	O	15:28:24	537:00	0	0	9	Sky bgd. for SWP 21675 READ AT GSFC MN=	"
"	0119-013 85	φSO 15.2	α δ R		FES 1501 1+3					16:25:00					FES ref. for SWP 21675 MN=	"
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE D 4 M DEC 83 RAW TAPE D 4 DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS / IMG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM φ14	VZ 1128 16	SdO 14.9	α 13 38 58.5 δ 28 41 06 R	L	LWP 2351 1+1	BO	-3.02 .46 7.8	L	O	10:12:22	30:00	3	0	3	MN=	DE BOER ΔT
			α δ R	H	LWP 21683 1+	BO	-1.99 .08 8.8	L	O	11:01:48	744:00	3	1	9	HANDOVER EXPOSING MN=	
			α δ R	E	FES 1503 1+2	-	-	2		11:15:00	160:00				MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE D M Y: 05 DEC 83 — RAW TAPE D M: 05 DEC

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.n	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE ∅56	PKS 2135-14 85	QSO 15.5	α 21 , 35 , 1.2 δ -14 , 46 , 28 R 108 , 34 , 09.9	L	SWP 21694 1 +	BO	-2.09 -08 10.2	L	O	11:16:44	390:00	3	3	3	GDE X: -718 Y: -859 106/50 MN=	BERGERON AT
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 6 DEC 83 — RAW TAPE D M: 6 DEC

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE ∅56	PKS 2128-12 85	QSO 16.0	α 21 , 28 , 52.6 δ -12 , 20 , 21.5 R 109 , 20 , 54.4	L	SWP 21704 1 + 1	BO	-2.42 .08 11.5	L	O	11:15:01	342:00	3	5	3	GDE X: -181 Y: -878 352/50 Lyα : 1 pixel below. MN= .	BERGERON AT
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 7 M dec Y 83 RAW TAPE D 7 M dec

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	ITES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	BD+28°4211 16	sd0 10.58	α 21,48,56 δ 28,37,35 R 117,08,28.5	L	LWP 2360 1+1	237 17 FO	-1.05 .08 10.2	L S	0	11:30:07 11:34:27	0:50 2:30	5 5	0 0	2	MN=	cassatella cag
			α , , δ , , R , ,	L	SWP 21712 1+2	243 15 FO	-1.05 .08 10.5	L S	0	11:40:35 11:43:28	0:26 1:18	5 6	0 0	0	MN=	AT
	ηUMa 21	B3V 1.84	α 13,45,34 δ 49,33,44 R 222,33,6.2	H	LWP 2361 1+3	4551 624 FU	-1.00 .08 10.5	L	0	13:18:57	0:05	5	0	3	MN=	AT
			α , , δ , , R , ,	H	SWP 21713 1+4	4605 773 FU	-1.00 .08 10.5	L	0	13:22:42	0:06	4	0	1	MN=	AT
	BD+75°325 16	sd0 9.54	α 8,4,43 δ 75,6,48 R 305,55,57.3	L	LWP 2362 1+6	608 2 FO	-.95 .08 10.5	L S	0	14:32:34 14:36:46	0:20 1:00	5 5	0 0	2	MN=	
			α , , δ , , R , ,	L	SWP 21714 1+5	625 8 FO	-.95 .08 10.5	L S	0	14:41:22 14:46:10	0:14 0:42	—	—	—	ERROR IN THE PREVIOUS "PREP." THE SPECTRUM IS NOT USEFULL MN=	
			α , , δ , , R , ,	L	SWP 21715 1+7	653 1 FO	-.17 .08 10.8	L S	0	15:21:24 15:26:06	0:14 0:42	5 6	0 0	0	MN=	
	λ Lep 20	B1 IV 4.29	α 5,17,16 δ -13,13,57 R 189,31,41.1	H	LWP 2363 1+8	594 80 FU	-1.48 .08 10.5	L	0	17:39:34	0:05	3	0	2	MN=	

DATE D 7 M DEC Y 83 RAW TAPE D 7 M DEC

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	ITES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	λ Lep 20	B1 III 4.29	α 5,17,16 δ -13,13,57 R 189,31,41.1	H	SWP 21716 1+9	586 70 FU	-1.09 .08 10.5	L	0	17:42:07	0:06	3	0	0	MN=	TALAVERA AT
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 8 M DEC Y 83 RAW TAPE D 8 M DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/f.s	FOCUS BKT THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM 117	CYG LOOP PANT PILAM. 75		α 20 , 53 , 44.5 δ 31 , 47 , 9 R 125 , 50 , 50	E	FES 1505 1 + 1	–	–	2'			160:00				MN=	TALAVERA AT
			α , , δ , , R , ,		BOTH LWP AND SWP RECEIVED EXPOSING AND 1 + GIVEN BACK EXPOSING.										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 9 M DEC Y 83 RAW TAPE D 9 M DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/f.s	FOCUS BKT THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE ϕ86	NGC 3783 8.4	SYN. I 13.5	α 11 , 36 , 30 δ −37 , 28 , 00 R 256 , 29 , 31.1	L	LWP 2374 1 + 1	82 20 50	−1.68 .08 10.8	L	0	10:39:45	80:00	5	6	2	MN=	WAMSTEKER TALAVERA AT
			α , , δ , , R , ,	L	SWP 21732 1 + 2	83 16 50	−1.78 .08 10.5	L	0	12:06:39	90:00	3	5	0	MN=	
			α , , δ , , R , ,	L	LWP 2375 1 + 3	76 10 50	−2.03 .08 10.8	L	0	13:41:10	70:00	5	6	2	MN=	
			α , , δ , , R , ,	L	SWP 21733 1 + 4	84 21 50	−2.22 .08 10.8	S	0	14:59:14	168:00	3	5	1	MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 10 M DEC Y 83 RAW TAPE D 10 M DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS DAC THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI145	TTARI 54	blue ~16	α 02,04,10.0 δ +15,03,27 R 107,29,36.9	L	SWP 21742 1+1	B0	-1.36 0.52 9.2	L	O	10:50:14	240:00	5	0	2	X = -841 y = -298 110 µs FOV MN=	KRAUTTER /BH.
	〃	〃	α 〃 δ 〃 R 〃	L	LWP 2383 1+3	B.0	-1.98 0.08 8.5	L	O	14:55:30	162:00	3	3 4	3	X = -1040 y = -157 113 µs FOV MN=	
	NULL 99		α 〃 δ 〃 R 〃	L	LWP 2382 1+2					17:40:00					Null read for LWP 2383 MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE D 11 M DEC Y 83 RAW TAPE D 11 M DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS DAC THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FI054	HBV475 57	13.3	α 20,49,2.6 δ 35,23,37 R 129,36,15.1	L	SWP 21749 1+1	100 6 50	-.34 0.08 12.2	L	O	10:54:33	70:00	2	5	1	MN=	NUSSBAUMER /BH.
	HBV475 57	〃	α 〃 δ 〃 R 〃	L	LWP 2391 1+	109 3 50	-2.04 0.08 11.5	L	O	12:10:41	60:00	3	5	1	MN=	
	〃	〃	α 〃 δ 〃 R 〃	H	SWP 21750 1+	103 5 50	-1.9 0.08 12.08	L	O	13:15:25	270:00	3	3	2	MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE D 12 M DEC Y 83 RAW TAPE D 12 M DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE182	0215+015 85	QSO 15.0	α 02, 15, 14.08 δ 01, 31, 00.0 R 120, 00, 27.1	L	LWP 2399 1 + 2	80	-1.54 0.08 9.2	L	O	11.09.48	387:00	3	0	5	ref. x = -517, y = 762 cts = 145 SD (25 cts of RF). MN=	HARRIS/ BH
	NULL		α , , δ , , R , ,		LWP 2398 1 + 1										NULL read for LWP 2399 MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE 13 DEC 83 RAW TAPE 12 DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE086	N3783 84	Sey 1 13.5	α 11, 36, 30.0 δ -37, 28, 00. R 253, 48, 27.1	L	SWP 21760 1 + 1	68 11 SO	-2.65 0.08 8.5	L	O	10:51:19	100:00	3	5	1	gch -1255, -222 497 (S.D) 1460N @ CIV MN=	HARRIS for WAMSTEKER + BARR BH
	N3783 84	Sey 1 13.5	α , , δ , , R , ,	L	LWP 2405 1 + 2	70 7 SO	-2.06 0.08 8.5	L	O	12:38:46	90:00	4	6	3	9 pix sat at Ly II MN=	
	N5548 84	Sey 1 13.5	α 14, 15, 43.2 δ +25, 22, 00 R 226, 19, 06.1	L	SWP 21761 1 + 3	64 10 SO	-2.40 0.08 8.8	L	O	14:57:20	80:00	3	5	0	900N cnt. 180DN @ CIV 2020N @ Ly α MN=	
	"	"	α , " , δ , " , R , ,	L	LWP 2406 1 + 4	65 2 SO	-2.60 0.08 9.2	L	O	16:21:40	70.00	4	6	3	6 pix sat at Ly II MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 14 M DEC Y 83 — RAW TAPE D 14 M DEC

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA152	HD200120 20	B1.5Ve 4.7	α 20, 58, 7.4 δ +47, 19, 30 R 131, 48, 54	H	SWP 21769 1+1	26619 118 FO	-1.65 0.08 12.2	L	O	10 57 42	1:30	5	0	1	C = 195 B = 40 MN=	DOAZAN A.C
"	HD 138749 22	B7IIe 4.8	α 15, 30, 54.7 δ +31, 31, 36 R 209, 32, 43	H	SWP 21770 1+2	576 115 VF	-2.08 0.08 12.5	L	O	11 47 56	1:45	5	0	1	C = 219 B = 40 MN=	
"	"	"	α , , δ , , R , ,	H	LWP 2412 1+3	564 114 VF	-1.65 0.08 12.2	L	O	11 59 45	1:20	7	0	1	MN=	
"	HD 53974 20	~~A1~~ B0.5? ~~5.2~~ 2.6	α 00, 53, 40 δ +60, 26, 47 R 82, 21, 13	H	SWP 21771 1+4	2480 515 VF	-1.6 0.08 11.5	L	O	14 30 36	0:08	5	0	1	MN=	
FE137	NGC1068 84	Sey 2 11.1	α 2, 40, 7.1 δ -00, 13, 31 R 123, 24, 48	L	SWP 21772 1+5	138 11 FO	-1.21 0.08 11.5	L	O	15 31 30	60:00	2	3	1	GDE(412, -107) CIV 66 B ~30 out of aperture? EXTENDED MN=	SNIJDERS A.C.
	"	"	α , , δ , , R , ,	L	LWP 2413 1+6	140 39 FO	-1.46 0.08 11.5	L	O	16 42 48	64:00	5	6	1	GDE(687, -1018) 100/50 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 15 DEC 83 — RAW TAPE 15 DEC

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE137	NGC 3227 84	Sey1 ~~B4~~ 13.2	α 10, 20, 44.8 δ 20, 07, 06 R 252, 21, 18	L	SWP 21778 1+1	88. 5 SO	-1.90 0.08 ~~0.00~~	L	O	11 16 01	210:00	2	3	2	XSPREP. GDE(1196, 924) M180) B=60 C=60 E=85 MN=	SNIJDERS A.C
"	"	"	α , , δ , , R , ,	L	LWP 2416 1+2	191 15 SO	-1.91 0.08 7.8	L	O	15 04 34	163:00	4	5	4	GDE(-1427, +850) 1306 C=185 B=49 E=205 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 16 M DEC Y 83 RAW TAPE D 16 M DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS col. p. slot undov/f.s	FOCUS DAC / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PXL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FEϕ73	NGC 1023 80	Sp/Gal 12	α 02, 37, 16.2 δ +38, 50, 54 R 80, 7, 1.1	L	LWR 17184 1 + 2	286 67 50	-1.97 0.08 17.5	L	O	112676	37400	3	0	9	XS PREP GDE(362-631)782 FO C = 120 B = 73 MN=	ELLIS AC.
	NULL 99		α , , δ , , R , ,		LWP 2421 1 + 1										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: 17 DEC 83 RAW TAPE

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS col. p. slot undov/f.s	FOCUS DAC / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PXL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FEϕ73	NGC 4350 80	Sp/Gal 12.4	α 12, 21, 26.4 δ 16, 58, 20 R 244, 22, 12	L	LWP 2423 1 + 2	162 41 50	-3.00 0.08 6.8	L	O	104649	410:00	3	0	6	GDE(-753,-579) 9(50) C = 152 B = 82 MN=	ELLIS AC
	NULL 99		α , , δ , , R , ,		LWP 2422 1 + 1										READ G1 MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 18 M DEC Y 83 RAW TAPE D 18 M DEC

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS ENC THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE φ86	NGC 3783 84	Sy1 13.3	α 11,36,30.0 δ -37,28,00 R 250,34,43	L	SWP 21797 1+1	85 27 50	-1.48 0.08 9.8	L	O	110018 123754	90:00 60:00	3 2	5 3	2	B≅40 E≅210 C≅95 CIV + partial event in C4P MN=	CASSATELLA
"	"	"	α , , δ , , R , ,	L	LWP 2427 1+2	18 10 F0	-1.82 0.08 9.2	L	O	134247	60:00	5	6	2	C≅150 B≅65 MgII 1 pixel MN=	
"	"	"	α , , δ , , R , ,	L	SWP 21798 1+3	75 17 50	-1.59 0.08 10.2	L	O	144802	110:00	3	5	2	C≅108 B≅40 E≅288 MN=	
			α , , δ , , R , ,	L	LWP 2428 1+4	77 19 50	-2.63 0.08 10.2	L	O	164334	63:00	5	6	2	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 19 Dec 83 RAW TAPE 19 Dec

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS ENC THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EA143	HD50896 11	WN 6.9	α 6,52,08.1 δ -23,51,52 R 200,21,45	H	LWP 2431 1+1	6564 10 F.0	-1.76 .08 11.2	L	O	10/24/10	5/00	4	7	1	MN=	de Loore WW.
"	"	"	α , , δ , , R , ,	H	SWP 21805 1+2	6667 13 F.0	-1.76 .08 11.8	L	O	10/45/46	5/00	3	7	1	INF missing ② x503, Y380 MN=	de Loore WW.
"	"	"	α , , δ , , R , ,	L L	SWP 21806 1+3	6552 25 F.0	-1.44 .08 11.5	L S	O O	11/38/08 11/41/18	0/04 0/04	5 3	7 6	0 0	HeII 1640 Sat unmarked in LAP. both 2x SAP MN=	de Loore WW.
EA143	HD 96548 11	7.8 WN	α 11,4,18 δ -65,14,21 R 250,52,30	H	SWP 21807 1+4	2834 MSX 25 F.0	-1.03 .08 11.8	L	O	12/24/01	40/0	4	5	0	MN=	" "
PHCAL	HD60753 21	6.7 B3IV	α 7,32,08 δ -50,28,29 R 205,0,17	L	SWP 21808 1+5	6651 14 F.0	-2.19 .08 11.5	L	O	13/55/28	00/10	5	0	0	MN=	WAMSTEKER WW
PHCAL	"	"	α , , δ , , R , ,	L	LWP 2432 1+6	6630 16 F.0	-2.13 .08 10.8	L	O	13/57/51	00/06	5	0	1	MN=	" "
EA143	HD 192163 11	7.7 WN	α 20,10,17.1 δ 38,12,15 R 144,49,22	H	SWP 21809 1+7	3814 38 F.0	-1.67 .08 11.5	L	O	14/51/10	40/0	4	7	0	HeII SATUR. 3x OTHER LINES O.K. MN=	" "
"	"	"	α , , δ , , R , ,	H	LWP 2433 1+8	3832 8 F0	-.37 .08 11.2	L	O	15:37:28	25/0	4	5	2	MN=	" "

OBSERVATORY LOG

DATE 19 DEC 83 RAW TAPE 19 DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EA 143	HD 192163 11	WN 7.7	α 20, 10, 17.1 δ 38, 12, 15 R 144, 49, 22	H	SWP 21810 1+9	4053 50 F0	-1.48 .08 11.8	L	0	16:08:40	40:00	3	7	1	MN=	de Looze
"	"	"	α , , δ " , " , " R , ,	H	LWP 2434 1+10	3802 45 F0	-1.83 .08 11.8	L	0	16:53:48	25:00	4	6	1	MN=	de Looze AT
"	"	"	α , , δ " , " , " R , ,	L L	SWP 21811 1+11	3863 15 F.0	-1.83 .08 12.2	L S	0 0	17/22/30 17/25/39	0/40 0/25	4 3	7 5	0 0	MN=	de Looze AT WW
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 20 Dec 83 RAW TAPE 20 Dec

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EA143	HD192163 11	WN 7.7	α 20, 10, 17.7 δ +38, 12, 15 R 145, 36, 56.3	H	SWP 21820 1+1	3922 44 F.0.	-1.26 .08 9.8	L	0	10/29/43	40/0	3	7	2	MN=	De Looze W.W.
"	"	"	α , , δ " , " , " R , ,	H	LWP 2443 1+2	3908 64 F.0	-1.51 .08 9.5	L	0	11/17/04	25/0	4	5	2	MN=	" "
"	"	"	α , , δ " , " , " R , ,	H	SWP 21821 1+3	3921 38 F.0	-1.77 .08 9.8	L	0	11/47/45	40/0	3	7	1	MN=	" "
"	"	"	α , , δ " , " , " R , ,	H	LWP 2444 1+4	3905 24 F0	-1.9 .08 9.8	L	0	12/33/20	25/0	4	5	2	MN=	" "
"	"	"	α , , δ " , " , " R , ,	H	SWP 21822 1+5	3933 42 F.0	-1.87 .08 10.2	L	0	13/03/42	40/0	3	7	1	MN=	" "
"	"	"	α , , δ " , " , " R , ,	H	LWP 2445 1+7	3985 40 F.0	-1.64 .08 9.8	L	0	13/47/34	25/0	4	5	2	MN=	" "
"	"	"	α , , δ " , " , " R , ,	L L	SWP 21823 1+6	3993 39 F.0	-1.41 .08 10.2	L S	0 0	14/19/29 14/23/08	0/40 0/25	4 3	7 5	1 1	MN=	" "
"	"	"	α , , δ " , " , " R , ,	H	SWP 21824 1+8	3890 40 F.0	-1.40 .08 10.2	L	0	14/54/52	40/0	3	7	1	MN=	" "

OBSERVATORY LOG

DATE D 20 M Dec Y 83 RAW TAPE D 20 M Dec

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undow/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EA143	HD 192163	WN 7.7	α 20, 10, 17.7 δ +38, 12, 15 R 145, 36, 56.3	H	LWP 2446 1+9	3996 37 F.0	-1.68 .08 10.2	L	0	15/28/06	25/0	4	5	2	MN=	deLoore WW.
"	"	"	α , , . δ " , " , " R , ,	H	SWP 21825 1+10	3957 41 F.0.	-2.07 .08 10.5	L	0	16/06/13	40/0	3	7	1	MN=	"
"	"	"	α , , . δ " , " , " R , ,	H	LWP 2447 1+11	3982 40 F.0	-1.55 .08 10.5	L	0	16/49/14	25/0	4	5	2	MN=	"
"	"	"	α , , . δ " , " , " R , ,	H	SWP 21826 1+12	4056 38 F.0	-1.07 .08 10.8	L	0	17/17/25	30/0	3	5	1	MN=	"
			α , , . δ , , . R , ,		1+										MN=	
			α , , . δ , , . R , ,		1+										MN=	
			α , , . δ , , . R , ,		1+										MN=	
			α , , . δ , , . R , ,		1+										MN=	

DATE D 21 M Dec Y 83 RAW TAPE 21 Dec

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undow/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA183	H24 37	DA 14.5	α 03, 52, 28.0 δ 9, 38, 24.0 R 119, 18, 14.4	L	SWP 21836 1+1	20 F.0. B/0	-2.24 .08 9.2	L	0	10/40/11	60/0	3	0	0	SOE: x=-1011, Y=-856 415(F.0) Han A Cent = 80 Eq = 28 MN=	WAM ITEKER WW
"	"	"	α , , . δ , , . R , ,	L	LWP 2458 1+2	B/0	-2.41 .08 9.2			11/44/58	120/0	5	0	4	SOE -1210, -717 MN=	"
"	LB227 37	DA 15.1	α 04, 6, 36.9 δ 17, 0, 4 R 108, 46, 13.6	L	SWP 21837 1+3	15 F.0 B/0	-1.17 .08 9.2			14/15/58	211/0	4	0	1	SOE -430, -15 627 cts F.O. c 150 By 50 MN=	"
			α , , . δ , , . R , ,		1+										MN=	
			α , , . δ , , . R , ,		1+										MN=	
			α , , . δ , , . R , ,		1+										MN=	
			α , , . δ , , . R , ,		1+										MN=	
			α , , . δ , , . R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 22 M DEC Y 83 RAW TAPE D 22 M DEC

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA183	HZ 21 37	DO 14.7	α 12, 11, 25.1 δ 33, 13, 11 R 248, 26, 10.2	L	SWP 21844 1+1	23 / BO	-2.08 .08 9.8	L	O	11:19:11	60:00	7	0	0	Gde 420, -376 329 Bgd 20 MN=	RG
〃	〃	〃	α , , δ , 〃 , R , ,	L	LWP 2465 1+2	〃	-2.09 .08 9.5	L	O	12:25:09	80:00	7	0	3	Gde 221, -257 Bgd 45 359 MN=	〃
〃	〃	〃	α , , δ , 〃 , R , ,	L	SWP 21845 1+3	〃	-1.34 .08 9.8			13:43:28	45:00	6	0	0	Gde 420, -398 Bgd 20 333 FO 8 pix sat. MN=	〃
〃	〃	〃	α , , δ , 〃 , R , ,	L	LWP 2466 1+4	〃	-1.0 .08 10.5	L	O	14:44:33	55:00	5	0	3	Gde 221, -259 Bgd 44 360 1 pix sat MN=	〃
〃	〃	〃	α , , δ , 〃 , R , ,	L	SWP 21846 1+5	〃	-1.43 .08 10.2	L	O	15:46:25	35:00	5	0	0	Gde 419, -400 336 MN=	〃
〃	〃	〃	α , , δ , 〃 , R , ,	L	LWP 2467 1+6	〃	-1.43 .08 10.8	L	O	16:24:25	50:00	5	0	3	Gde 222, -258 318 4 pix Sat MN=	〃
〃	〃	〃	α , , δ , 〃 , R , ,	L	SWP 21847 1+7	〃	-2.21 .08 10.5	L	O	17:19:24	29:00	5	0	0	Gde 419, -372 324 Bgd 18 MN=	〃
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 23 M DEC Y 83 RAW TAPE D 23 M DEC

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FA183	CB 227 37	DA 15.1	α 4, 6, 36.9 δ 17, 0, 4 R 108, 9, 17.4	L	SWP 21855 1+1	17 / B.O.	-.61 .08 10.5	L	O	11:12:24	255:00	4	0	3	Gde -427, -21 630 FO MAXDN, 16 B=50 MN=	GILMOZZI RG
4	HZ 4 37	DA 14.4	α 3, 52, 38. δ 9, 38, 34 R 117, 56, 14.3	L	LWP 2476 1+2	29 / BO	-.53 .08 11.5	L	O	15:57:02	108:00	4	0	3	Gde -1195 -745 373 FO MAXDN 193 Bgd 48 MN=	〃
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 29 M DEC Y 83 RAW TAPE D 24 M DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE086	NGC 3783		α 11, 36, 30 δ -37, 28, 00 R246, 50, 14.9	L	SWP 21863	78/80 13/35	-1.78 .08	L	0	11:02:18	100:00	3	5	1	Gde -127, -256 768 FO	GILMOZZI
	84	13.5			1+1	S/O	9.5	S	0	12:46:31	80:00	3	4	1	Gde 23, -255 MN= *	
	4	4	α , , δ , 4 , R , ,	L	LWP 2481 1+2(3)	77 8 S/O	-1.83 .08 8.8	L	0	14:13:49	60:00	4	5	2	256 MN=	
	NGC 5548		α 14, 15, 48.2 δ 25, 22, 00 R277, 53, 37.5	L	SWP 21864	63/67 8/30	-1.48 .08	L	0	15:58 30	90:00	3	5	1	Gde 1564, -475 254 FO	
	84	13.5			1+3(4)	S/O	9.5	S	0	17:33:28	17:00	1	2	1	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

* This image could be enhanced

DATE D 25 M DEC Y 83 RAW TAPE D 25 M DEC

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PA183	H2 4	DA	α 3, 52, 38 δ 9, 38, 34 R 116, 56, 36.6	L	LWP 2489	27	-1.87 .08	L	0	10:52:29	132:00	5	0	3	Gde -1179, -761 371 FO C=220 B=50	GILMOZZI
	37	14.5			1+1	B.0	11.2								MN=	
	LB 227	DA	α 4, 6, 36.9 δ 17, 0, 4 R 107, 32, 28	L	SWP 21872	17	-1.18 .08	L	0	13:52:22	235:00	4	0	1	Gde -433, -28 C=168 678 FO F=92	"
"	"	15.4			1+2	B.0	10.2								MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 26 M DEC Y 83 RAW TAPE D 26 M DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BIG THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
H CAL	BD+28 4211 16	SdO 10.57	α 21, 48, 56 δ 28, 37, 34 R 129, 25, 17.1	L	LWP 2496 1+1	236 1 FO	-1.29 .08 10.2	L	O	10:42:02	0:50	5	0	2	C=221, loc bgd=34 s/c hot (54.6) MN=	GILMOZZI
〃	〃	〃	α , , δ , , R , ,	L	SWP 21881 1+2	233 0 FO	-1.29 .08 9.8	L	O	10:46:20	0:26	5	0	0	C=233, loc bgd=16 MN=	〃
〃	〃	〃	α , , δ , , R , ,	L	LWP 2497 1+3	237 1 FO	-2.47 .08 10.2	L	O	11:38:21	0:50	5	0	1	C=219, loc bgd=36 MN=	〃
〃	〃	〃	α , , δ , , R , ,	L	SWP 21882 1+4	233 0 FO	-2.47 .08 10.2	L	O	11:42:41	0:26	5	0	0	C=213, loc bgd=13 MN=	〃
〃	〃	〃	α , , δ , , R , ,	L	LWP 2498 1+5	244 0 FO	-2.77 .08 10.5	L	O	12:36:26	3:20	5	0	2	Trailed Z=0.10 I=1 C=193 LB=41 MN=	〃
〃	〃	〃	α , , δ , , R , ,	L	SWP 21883 1+6	256 0 FO	-2.68 .08 10.2	L	O	13:02:29	1:17	5	0	0	Trailed R=0.26 C=192, B=19 I=1 (first attempt failed. Lost star) MN=	〃
〃	BD+75325 16	SdO 9.54	α 8, 4, 43 δ 75, 6, 48 R328, 40, 23.9	L	LWP 2499 1+7	627 1 FO	-1.87 .08 10.5	L	O	14:14:09	0:20	5	0	2	C=207 LB=36 MN=	〃
〃	〃	〃	α , , δ , , R , ,	L	SWP 21884 1+8	585 2 FO	-1.53 .08 10.5	L	O	14:18:12	0:14	5	0	0	C=193 LB=13 MN=	〃

OBSERVATORY LOG

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BIG THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	BD+75 325 16	SdO 9.54	α 8, 4, 43 δ 75, 6, 48 R328, 40, 23.9	L	LWP 2500 1+9	596 1 FO	-.75 .08 10.5	L	O	15:15:50	0:20	5	0	3	C=196, LB=36 MN=	GILMOZZI
H CAL															[illegible]	
〃	〃	〃	α , , δ , , R , ,	L	SWP 21885 1+11	589 3 FO	-.75 .08 10.5	L	O	15:19:44	0:14	5	0	0	C=192, LB=12 MN=	〃
	〃	〃	α , , δ , , R , ,	L	LWP 2501 1+10	649 1 FO	-.78 .08 10.5	L	O	15:51:10	1:07	5	0	2	Trailed R=0.30 I=1 [lost star present at streaking point] C=173 LB=40 MN=	〃
	〃	〃	α , , δ , , R , ,	L	LWP 2502 1+12	8634 22 FO	-2.49 .08 10.5	L	O	17:11:28	0:06	5	0	2	C=218 LB=36 MN=	〃
〃	HD 60753 21	B8Ve 6.7	α 7, 32, 08 δ -50, 28, 29 R197, 48, 59.5	L	LWP 2502 1+12	8634 22 FO	-2.49 .08 10.5	L	O	17:11:28	0:06	5	0	2	SIGMA CRASH DURING READ. DATA LOST FROM PLAYBACK ANALOG IS OK C=230 LB=17 MN=	
			α , , δ , , R , ,	L	SWP 21886 1+13	6640 28 FO	-2.49 .08 10.2	L	O	17:[illegible]:13	0:10	5	0	0		
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 27 M Dec Y 83 RAW TAPE D 27 M DEC

PROPOSAL	OBJECT TYPE	SP. TYPE mV	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.n	FOCUS DAC THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PM064	TT 16/112 12	05 9.29	α 10,43,19.9 δ -59,27,49.6 R237,53,34.3	H	SWP 21895 1+1	684 70 F0	-2.02 .08 12.8	L	O	10:41:01	426:00	6	0	4	Ref. pt -5,-211 MN=	GRY / RG
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 28 M DEC Y 83 RAW TAPE D 28 M DEC 1 of 2

PROPOSAL	OBJECT TYPE	SP. TYPE mV	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.n	FOCUS DAC THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE 105	N2018 83	Cluster 13	α 5,,31,25.2 δ -71,06,12 R 167,47,1.9	L	SWP 21896 1+1	79 22 05	-1.32 0.08 11.5	L	O	104637	30:00	3	0	1	GDE(-378,-422)6905 EXTENDED C= MN=	C ASSATELLA
			α , , δ , , R , ,	L	LWP 2515 1+2	184 19 05	-4.76 0.08 12.2	L	O	112200	45:00	4	0	1	GDE(-577,-282)15250 EXTENDED C=153 B=38 MN=	"
FA074	HD193237 C3.	B1.5Ia 4.9	α 20,15,56.5 δ +37,52,36 R152,12,23	H	LWP 2516 1+3	24573 63 0F	-2.41 0.08 12.2	L	O	130727	5:30	6	6	1	MN=	
"	"	"	α , , δ , , R , ,	H	SWP 21897 1+4	24978 27 0F	-2.00 0.08 11.8	L	O	131739	25:00	6	6	1	few pts not MN=	
"	"	"	α , , δ , , R , ,	L	SWP 21898 1+11	24207 20 0F	-1.40 0.08 11.8	L	O	141029	0:18	5	0	1	MN=	
PHCAL	BD+28°4211 16	SdO 10.53	α 21,48,56 δ +28,37,34 R131,14,19.3	L	LWP 2517 1+5	245 D 0F	-.88 -.08 11.8	L S	O	15:05:09 15:08:48	0:50 2:30	5 6	0 0	3 3	MN=	GRY CA
"	"	"	α , , δ , , R , ,	L	SWP 21899 1+6	246 2 0F	-1.73 .08 12.2	L S	O	15:14:35 15:17:43	0:26 1:18	5 6	0 0	1 1	MN=	ER "
"	BD+75°325	SdO 9.54	α 8,4,43 δ 75,6,48 R231,12,41.2	L	LWP 2518 1+7	649 3 0F	-1.82 .24 12.2	L S	O	16:27:21 16:30:31	0:20 1:00	5 6	0 0	2 2	MN=	"

OBSERVATORY LOG

DATE D 28 M doc Y 83 RAW TAPE D 28 M doc

2 of 2

PROPOSAL	OBJECT TYPE	SP. TYPE mv	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/f.s	FOCUS DAC THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PIX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	BD+75°325 16	Sc10 9.56	α 8,4,43 δ 75,6,48 R331,18,41.2	L	SWP 21900 1+8	583 2 OF	-1.82 .08 12.2	L S	O	16:34:15 16:37:42	0:14 0:42	5 5	0 0	1 1	MN=	GRY CG
"	"	"	α , , δ , , R , ,	L	LWP 2519 1+9	611 0 OF	-1.55 .08 12.2	L S	O	17:26:20 17:29:29	0:20 1:00	5 6	0 0	3 3	MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 21901 1+10	584 2 OF	-1.55 .08 12.2	L S	O	17:33:23 17:37:27	0:14 0:42	5 5	0 0	1 1	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 29 M doc Y 83 RAW TAPE D 29 M doc

PROPOSAL	OBJECT TYPE	SP. TYPE mv	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/f.s	FOCUS DAC THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PIX. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FE088	Tflood48 99	/	α 09,57,57.3 δ 56,08,18 R288,50,07.5	/	LWP 2523 1+1	/	-1.32 .08 12.2	/	O	10:54:19	1:22	1	1	6	read of residual image MN=	GONDHALEKAR CG
"	0957+56 85	0.50 ×2 17	α , , δ , , R , ,	L	LWP 2525 1+3	BO	-1.85 .08 12.2	L	O	11:31:39	366:0	3	4	5	Guide (Stn 1) X=206 Y=680 ch 100 50 MN=	"
"	NULL 99	/	α , , δ , , R , ,	/	LWP 2524 1+2	/	"	/	/	/	/	0	0	0	NULL READ FOR LWP2525 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 30 M DEC Y 83 RAW TAPE D 30 M DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS mf. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD 60753	B3 IV	α 7, 32, 8 δ -50, 28, 29 R 193, 58, 2.5	L	LWP 2528 1+1	7675 12 FO	-.92 .08 8.5	L S	O O	10:55:39 19:59:22	0:06 0:18	5 5	0 0	2	MN=	TALAVERA AT
			α , , δ , , R , ,	L	SWP 21918 1+2	7505 16 FO	-.92 .08 8.8	L S	O O	11:02:25 11:05:31	0:10 0:30	4 5	0 0	0	MN=	
	BD+75°325	sd0	α 8, 4, 43 δ 75, 6, 48 R 333, 37, 22.2	L	LWP 2529 1+3	648 4 FO	.56 .08 8.5	L S	O O	12:12:12 12:17:05	0:20 1:00	4 4	0 0	2	MN=	
			α , , δ , , R , ,	L	SWP 21919 1+4	626 3 FO	.56 .08 8.5	L S	O O	12:22:41 12:25:57	0:14 0:42	4 4	0 0	0	MN=	
	BD+28°4211	sd0	α 21, 48, 56 δ 28, 37, 35 R 132, 27, 26.7	L	LWP 2530 1+5	272 1 FO	-2.15 .08 8.8	L S	O O	13:36:19 13:41:17	0:50 2:30	5 5	0 0	2	MN=	
FA 218	BD+46°4217	Radio ν 06.6	α 20, 31, 27.3 δ 41, 08, 31 R 151, 20, 8.1	L	SWP 21920 1+6	890 163 FO	-1.62 .08 8.8	L	O	14:08:54	218:00	4	4	1	C IV emiss. 103 DN MN=	GIOVANNELLI ST
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 31 M DEC Y 83 RAW TAPE D 31 M DEC

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS mf. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
															D664 S. LWR HRES REIMAGE FROM PREVIOUS IMAGE. MN=	GRY AT
PETOO	NULL		α , , δ , , R , ,		LWR 17195 1+1											
	SN-M83 56	WI 14.2	α 13, 34, 1.7 δ -29, 38, 48 R 255, 26, 31.5	L	LWR 17196 1+3	36 — 50	-.57 .08 10.8	L	O	11:14:54	340:00	3	0	6	MN=	
	NULL		α , , δ , , R , ,		LWP 2534 1+2	—	—			—	—				NULL READ AFTER SWICH OF ON. MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	